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Force Renewable Energy



Windpark de Pals

Slagschaduwonderzoek t.b.v. projectMER en aanvraag
omgevingsvergunning



Windpark de Pals

Slagschaduwonderzoek

Datum
6 november 2018

Versie

0.1	Slagschaduw MER-alternatieven
0.2	Interne check
0.3	Aanpassen n.a.v. kwaliteitscheck
0.4	Slagschaduw Voorkeursalternatief
0.5	Aanpassen n.a.v. kwaliteitscheck
0.6	Wijziging Voorkeursalternatief

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Hoofdstuk 1 Inleiding

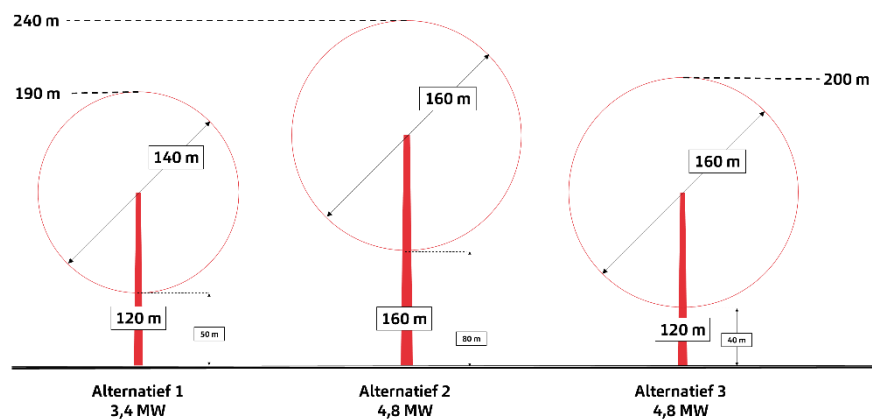


Tabel 1 MER-alternatieven.

	1	2	3
Aantal windturbines	4	4	4
Afmetingen			
Ashoogte (m)	120	160	120
Rotordiameter (m)	140	160	160
Tiphoogte (m)	190	240	200

Figuur 2 Schematische weergave van de afmetingen van de MER-alternatieven.

Afmetingen MER-alternatieven WP de Pals



1.2.1 Windturbinetypes

Per alternatief is een windturbintype geselecteerd dat representatief is voor de betreffende klasse van windturbines, waarbij qua type windturbine is aangesloten bij de windturbinetypes uit het akoestisch onderzoek.

Alternatief	Type	Ashoogte	Rotordiameter
1	Senvion 3.4M140	120	140
2	GE Wind 4.8-158	160	160
3	GE Wind 4.8-158	120	160

De locaties van de windturbines van de MER-alternatieven zijn gegeven in onderstaande tabel.

Tabel 2 Locaties van de windturbines in de onderzochte MER-alternatieven (de locaties zijn voor alle drie de alternatieven hetzelfde).

Windturbine	X	Y
1	142813	370226
2	143381	370515
3	144008	370872
4	144498	371343

1.3 Wettelijke norm

Windturbines vallen onder het Activiteitenbesluit milieubeheer en de Activiteitenregeling milieubeheer¹. In artikel 3.12 van de Activiteitenregeling is voorgeschreven dat een turbine moet zijn voorzien van een automatische stilstandvoorziening die de windturbine afschakelt indien slagschaduw optreedt ter plaatse van gevoelige objecten² voor zover de afstand tussen de turbine en de woning minder bedraagt dan twaalf maal de rotordiameter en gemiddeld meer dan 17 dagen per jaar gedurende meer dan 20 minuten slagschaduw kan optreden, 17 maal 20 minuten. In deze rapportage interpreteren we deze grenswaarden op de strengst mogelijke manier: maximale slagschaduwbelasting is 5 uur en 40 minuten.

1.4 Stilstandvoorziening

Om normoverschrijding te voorkomen kan een stilstandvoorziening op de windturbine worden aangebracht zoals vermeld in het Activiteitenbesluit. Deze zorgt ervoor dat bij overschrijding van de slagschaduwnorm, de windturbine wordt uitgeschakeld. De voorziening wordt per schaduwgevoelige woning vooraf ingeregeld, aangezien het gaat om specifieke momenten die van te voren bepaald kunnen worden afhankelijk van de zonnestand. Daarnaast wordt gemeten of er daadwerkelijk voldoende zon (en dus slagschaduw) is op die momenten.

1.5 Cumulatie

Volgens het Activiteitenbesluit wordt cumulatie met andere windturbines niet beschouwd bij toetsing aan de norm. Voor het projectMER is deze informatie echter wel van belang. In dit rapport is zowel inzicht gegeven in de slagschaduwduur van het project afzonderlijk als inzicht in de cumulatie slagschaduwduur van het voorgenomen project en het geplande windpark de Reusel en het bestaande windpark Laarakkerdijk.

1.6 Gevoelige objecten

In de omgeving van het geplande windpark liggen enkele woningen. De bron van de locatie van de woningen (rode stippen in onderstaande afbeelding) is de Basisadministratie Adressen en Gebouwen (BAG, juni 2018).

¹ Regeling van de Minister van Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer van 9 november 2007, nr. DJZ 2007104180 houdende algemene regels voor inrichtingen - Regeling algemene regels voor inrichtingen milieubeheer

² Onder gevoelige objecten worden verstaan: woningen, onderwijsgebouwen, ziekenhuizen, verpleeghuizen, verzorgingstehuizen, psychiatrische inrichtingen, kinderdagverblijven, woonwagendstandplaatsen en ligplaatsen voor woonschepen. Bron: Wet geluidhinder.

Figuur 3 Woningen in omgeving van de beoogde windlocatie



NB. In België bevinden zich geen woningen binnen 12x de rotordiameter.

NB2. In het rapport wordt ook inzichtelijk gemaakt hoeveel slagschaduw er optreedt op het recreatiepark Het Vennebos en de camping Achterste Hoef.

1.7 Beoordelingscriteria projectMER

In het milieueffectrapport waar dit onderzoek een bijlage van is wordt het milieueffect slagschaduw beoordeeld aan de hand van drie criteria:

- ❖ Aantal gevoelige objecten binnen 340-minuten slagschaduwcontour (absoluut en relatief)
- ❖ Aantal gevoelige objecten binnen 0-minuten slagschaduwcontour (absoluut en relatief)
- ❖ De elektriciteitsproductie die wordt gederfd met een bepaalde windturbine door toepassing van mitigerende³ maatregelen.

In het slagschaduwonderzoek worden de eerste twee beoordelingscriteria onderzocht. Er wordt een grove inschatting gemaakt van de opbrengstderiving. De relatieve milieueffecten vallen buiten de scope van een slagschaduwonderzoek. Deze komen in het MER aan de orde.

³ Met mitigerende maatregelen worden alle maatregelen bedoeld die zorgen voor een vermindering van nadelige milieueffecten. Voor slagschaduw is dit tijdelijke stilstand.

1.8 Leeswijzer

In hoofdstuk 2 wordt uitgelegd hoe de berekeningen uitgevoerd zijn. Hoofdstuk 3 presenteert de resultaten van deze berekeningen, inclusief mitigatiemaatregelen. Hoofdstuk 4 bevat de uitwerking van het voorkeursalternatief en hoofdstuk 5 presenteert de conclusies.



Hoofdstuk 2 Berekening



2.1 Inleiding

Slagschaduw van een windturbine is de bewegende schaduw van de draaiende wieken. Als slagschaduw op het raam van een woning valt kan dat als hinderlijk worden ervaren.

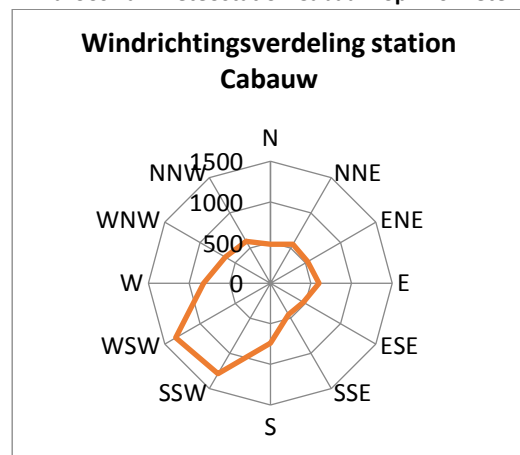
De stand van de zon is een vast gegeven voor elke datum en elk tijdstip en voor elke breedtegraad. Voor elk object (bijvoorbeeld een windturbine) is het daarom mogelijk een berekening te doen om het tijdvak te bepalen wanneer er slagschaduw valt op een bepaald punt (bijvoorbeeld het raam van een huis). Om dit te kunnen doen is de volgende informatie nodig:

- De grootte van het object dat slagschaduw veroorzaakt; voor een windturbine is de grootte van de wieken van belang;
- De positie van de windturbine en het beschaduwde object (met name ten opzichte van elkaar);
- De ashoogte van de windturbine;
- De grootte, richting en oriëntatie (hellingshoek) van het beschaduwde object; met de richting wordt bedoeld hoe het raam (lichtdoorlatende deel van de gevel) gericht is ten opzichte van de windturbine(s), oriëntatie is in het algemeen verticaal, maar ook kan gedacht worden aan een dakraam in een schuin dak onder een bepaalde hoek.

2.2 Windaanbod

Om de hoeveelheid slagschaduw op een specifieke locatie te berekenen, is het van belang om te weten uit welke richting de wind waait, en hoe hard het waait. Immers als de windsnelheid te laag is, staat de windturbine stil. Deze grens ligt op ongeveer 3 m/s. Een moderne windturbine met een ashoogte boven de 80 meter is gemiddeld maximaal 95% van de tijd in bedrijf. Wij gaan in dit onderzoek uit van 96%. Onderstaande grafiek geeft de langjarige windrichtingsverdeling weer van meteorostation Cabauw.

Figuur 4 Windroos van meteorostation Cabauw op 140 meter hoogte.



2.3 Zonaanbod

Het zonaanbod is in de berekening gebaseerd op het zonaanbod in Maastricht (de dichtstbijzijnde meetpost waarvan bij de auteur data bekend is). Zie de bijlage met de WindPRO-rekenresultaten voor de precieze waarden.

Zomer- & wintertijd hebben geen effect op de duur van de schaduw, maar wel op het moment van de dag waarop schaduw plaatsvindt. Tijdswijzigingen vinden plaats iedere laatste zondag van maart en laatste zondag van oktober. Het effect hiervan is meegenomen in de berekening.

2.4 Rekenmethode

Met het software pakket is voor de drie alternatieven twee contouren getekend. Eén contour van de norm van 5:40 uur slagschaduw per jaar en één contour van de 0 uur slagschaduw per jaar.

2.5 Aannames

De berekening gaat uit van de realistisch gemiddelde situatie. Hiertoe wordt een aantal aannames gedaan om de situatie te benaderen zoals die werkelijk zal optreden:

- ❖ Correctie voor de gemiddelde zonneshijnduur;
De zon schijnt (overdag) niet altijd vanwege de aanwezigheid van bewolking (en mist); op basis van klimatologische gegevens van het KNMI voor de gemiddelde zonneshijnduur wordt een maandelijks getal afgeleid voor de kans dat de zon daadwerkelijk schijnt. Op deze locatie is gebruik gemaakt van KNMI-gegevens van station Maastricht (afstand tot de parklocatie: ca. 60km).
- ❖ Correctie voor stilstand;
Als een windturbine niet draait is er ook geen sprake van slagschaduw. Dit is bijvoorbeeld het geval bij lage windsnelheden (minder dan ca. 3m/s), dan draait een windturbine (nog) niet en bij zeer hoge windsnelheden (boven 25m/s) wordt een windturbine uit veiligheidsoverwegingen stilgezet. Verder worden windturbines stilgezet tijdens onderhoudswerkzaamheden. In praktijk is een windturbine maximaal 95% van de tijd in bedrijf.
- ❖ Correctie voor de windrichting;
Op basis van windmetingen op de gondel wordt de windturbine zo gedraaid dat bladen altijd staan in de richting waar de wind vandaan komt. Afhankelijk van de gemiddelde windrichtingsverdeling wordt een correctiefactor afgeleid aangezien de grootte en positie van de schaduw verandert met de positie van de gondel.

Bovenstaande correcties zijn gebaseerd op gegevens over het klimaat. De correctie van de gemiddelde zonneshijnduur wordt op de maandgemiddelde metingen gebaseerd en de overige twee correcties op de jaargemiddelde metingen. Dit zijn langjarige gemiddelden. In een individueel jaar is de schaduwhinder soms meer, en soms minder dan dit gemiddelde. De berekening is uitgevoerd met het softwarepakket WindPRO, een programma dat slagschaduw nauwkeurig berekend en dat veel gebruikt wordt in de windenergiesector.



Hoofdstuk 3 Resultaten

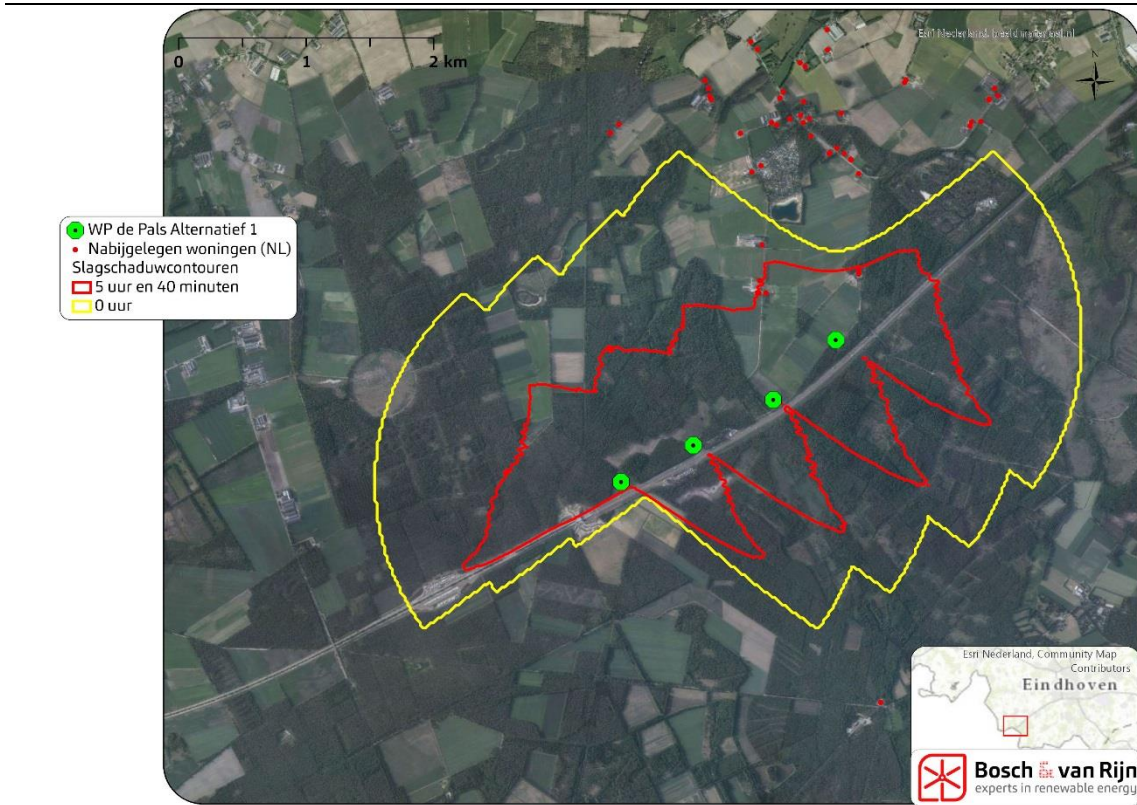


3.1 Slagschaduwcontour

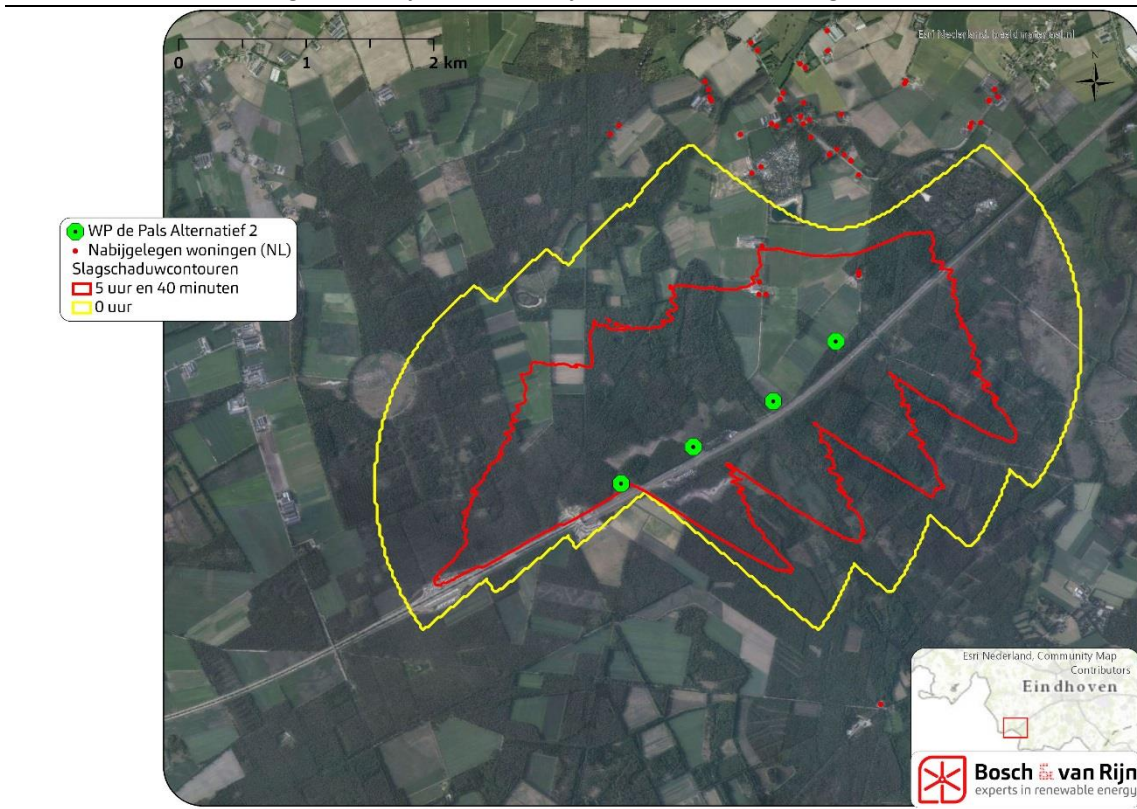
3.1.1 Resultaten zonder cumulatie

Onderstaande afbeeldingen tonen de slagschaduwcontouren van 5 uur en 40 minuten slagschaduw per jaar en 0 uur slagschaduw per jaar, uitgaande van een *realistische meteorologische situatie* (in tegenstelling tot een *worst case scenario*), voor de alternatieven. Binnen de 5 uur en 40 minuten slagschaduw contour treedt naar verwachting jaarlijks meer dan 5 uur en 40 minuten slagschaduw op, en erbuiten minder. De contouren van de opstellingen zijn vergroot weergegeven in Bijlage B.

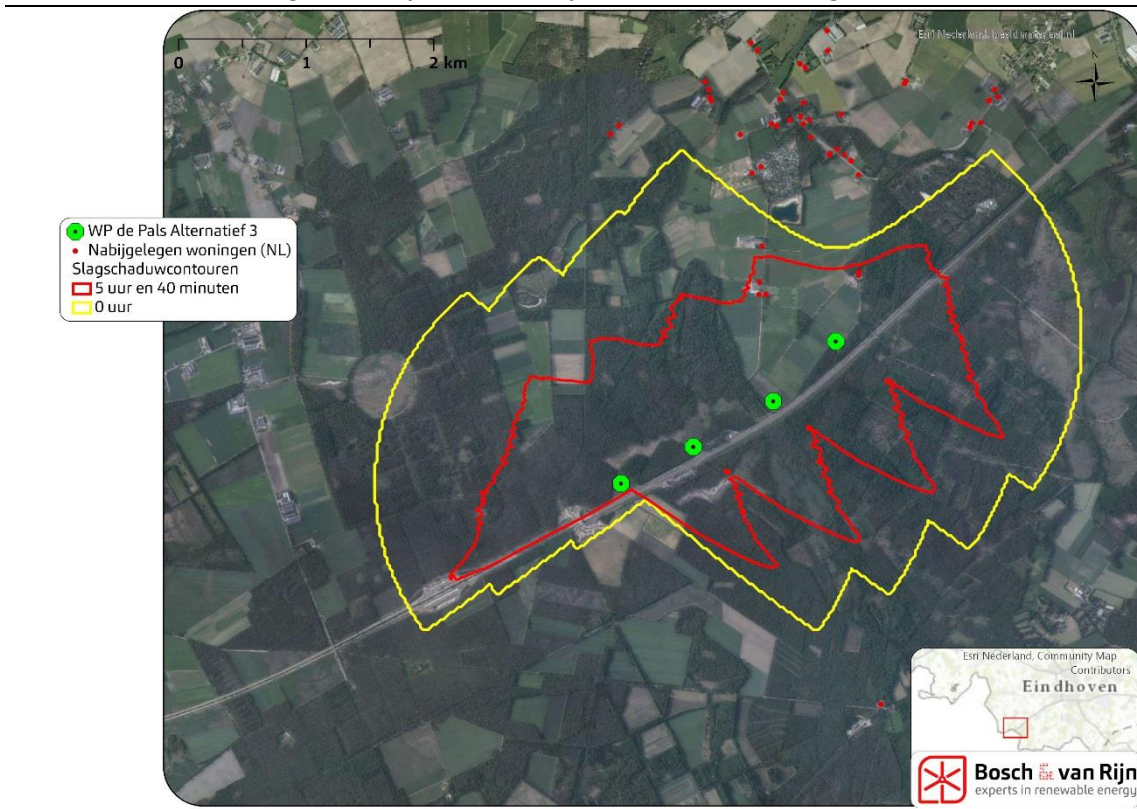
Figuur 5 5:40u en 0:00u slagschaduwcontouren van Alternatief 1. Hierbij zijn ook gevoelige objecten van derden weergegeven. Dit zijn immers de objecten waarvoor de norm geldt.



Figuur 6 5:40u en 0:00u slagschaduwcontouren van Alternatief 2. Hierbij zijn ook gevoelige objecten van derden weergegeven. Dit zijn immers de objecten waarvoor de norm geldt.



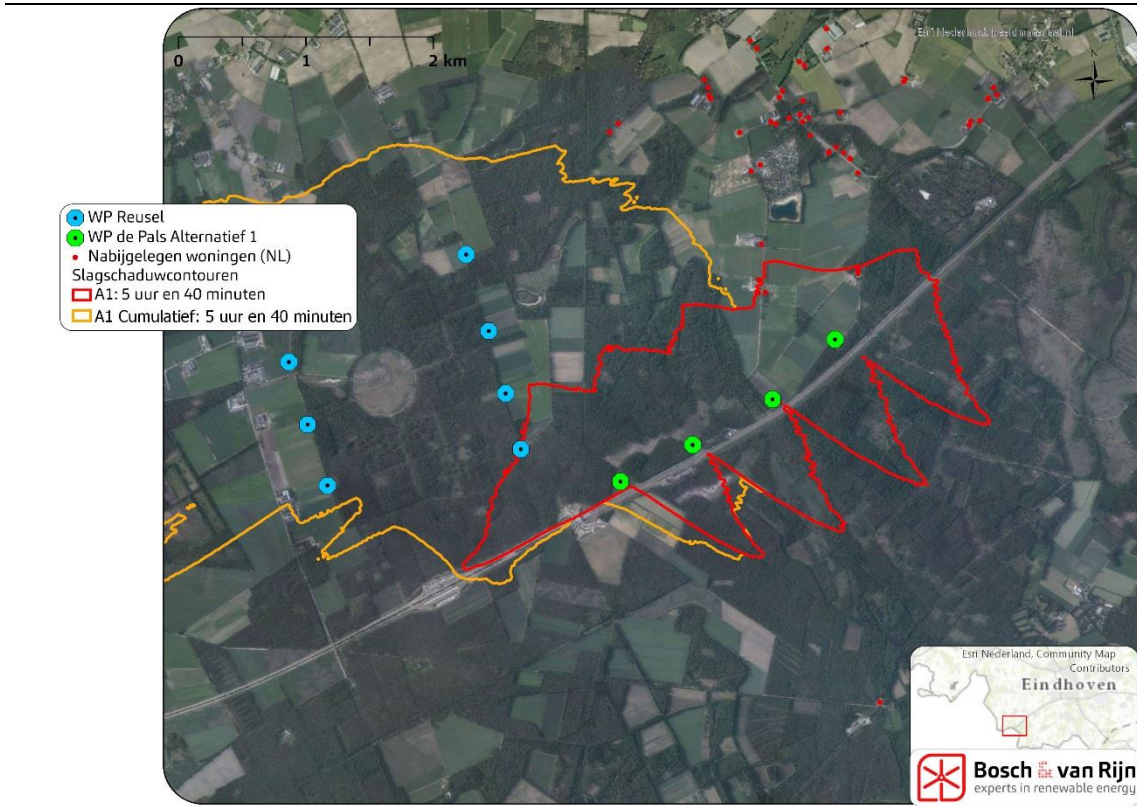
Figuur 7 5:40u en 0:00u slagschaduwcontouren van Alternatief 3. Hierbij zijn ook gevoelige objecten van derden weergegeven. Dit zijn immers de objecten waarvoor de norm geldt.



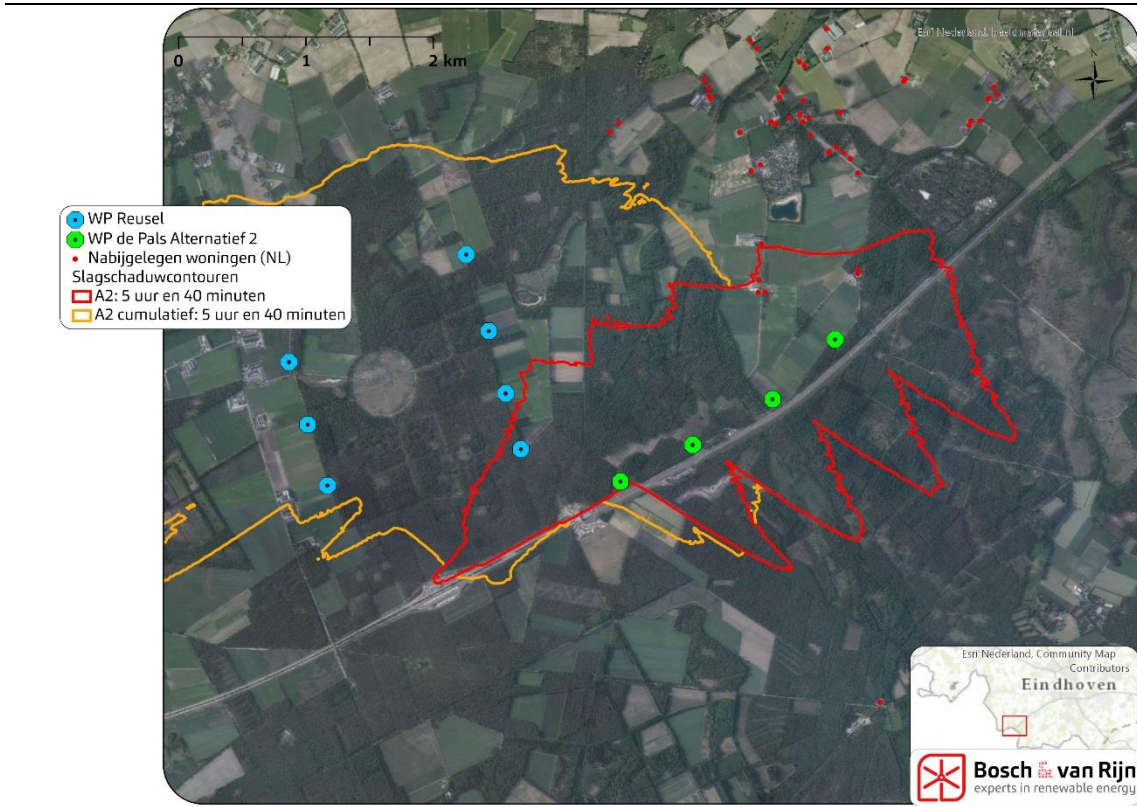
3.1.2 Resultaten met cumulatie

Onderstaande afbeeldingen (volgorde: A1, A2, A3) toont de 5 uur en 40 minuten slagschaduwcontour per jaar van de alternatieven met bestaande/geplande windparken. Hierbij worden dezelfde aannames gebruikt als bij bovenstaande afbeeldingen.

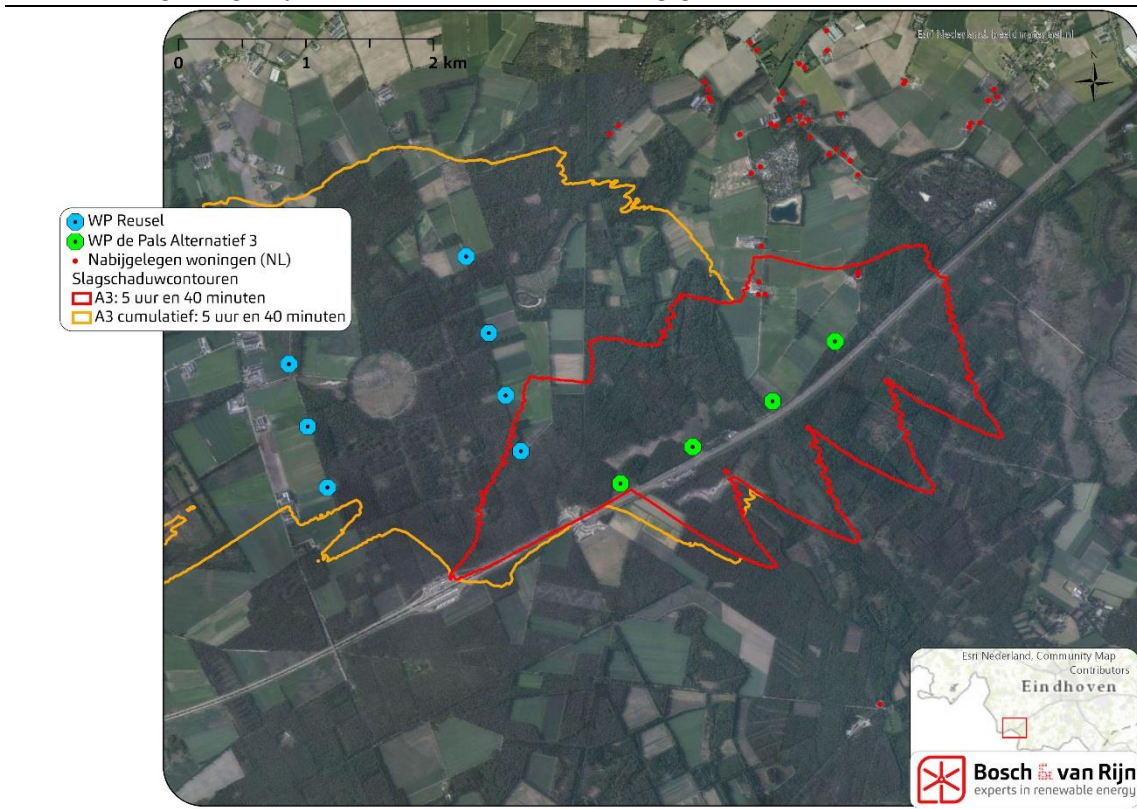
Figuur 8 De 5:40u slagschaduwcontouren van A1 en de cumulatieve slagschaduwcontour. Hierbij zijn ook gevoelige objecten van derden in Nederland weergegeven.



Figuur 9 De 5:40u slagschaduwcontouren van A2 en de cumulatieve slagschaduwcontour. Hierbij zijn ook gevoelige objecten van derden in Nederland weergegeven.



Figuur 10 De 5:40u slagschaduwcontouren van A3 en de cumulatieve slagschaduwcontour. Hierbij zijn ook gevoelige objecten van derden in Nederland weergegeven.



3.2 Woningen binnen de contour

3.2.1 Resultaten zonder cumulatie

Er bevinden zich een aantal woningen binnen ten minste één van de 5 uur en 40 minuten slagschaduwcontouren. Onderstaande tabellen geeft de aantallen en de hoeveelheid slagschaduw die te verwachten is per jaar zonder mitigerende maatregelen.

Tabel 3 Aantal woningen binnen de slagschaduwcontouren van de opstellingen.

Opstelling	Aantal woningen binnen...	
	5:40 uur-contour	0 uur-contour
A1	5	6
A2	5	6
A3	5	6

Tabel 4 De te verwachte slagschaduw in [uu:mm] per jaar op de vijf woningen waarbij normoverschrijding plaatsvindt

Adres	A1	A2	A3
De Pals 1 5527PA Hapert	08:29	17:17	10:51
De Pals 2 5527PA Hapert	10:44	19:57	13:25
Troprijt 14 5531NA Bladel	07:33	10:11	09:31
Troprijt 19 5531NA Bladel	06:02	07:06	07:35
Troprijt 21 5531NA Bladel	06:34	08:50	08:16

3.2.2 Resultaten met cumulatie

Naast inzicht in het aantal woningen binnen ten minste één van de 5 uur en 40 minuten van de slagschaduwcontouren van het beoogde windpark afzonderlijk wordt in onderstaande tabel ook het aantal woningen waarbij normoverschrijding plaats vindt door Windpark de Reusel en Laarakkerdijk, het aantal woningen die door realisatie van Windpark de Pals cumulatief meer dan 5 uur en 40 minuten slagschaduw ontvangen en het aantal woningen die alleen slagschaduw ontvangen van Windpark de Pals weergegeven.

NB. Voor onderstaande resultaten wordt alleen gekeken naar woningen binnen 12x de rotordiameter van Windpark de Pals.

Tabel 5 Aantal woningen binnen 12x de rotordiameter van windpark de Pals die meer dan 5 uur en 40 minuten slagschaduw ontvangen door de autonome situatie en cumulatieve situatie.

Opstelling	Aantal woningen binnen de 5:40 uur contour van de Reusel en Laarakkerdijk	Aantal woningen binnen de cumulatieve 5:40 uur contour	Aantal woningen met meer dan 5:40 uur slagschaduw alleen slagschaduw ontvangen van WP de Pals
A1	0	5	5
A2	0	5	5
A3	0	5	5

3.3 Slagschaduw per windturbine

WindPRO berekent naast hoeveel slagschaduw er jaarlijks naar verwachting optreedt bij elke woning ook hoeveel slagschaduw er door de vier windturbines wordt veroorzaakt. Dit is niet simpelweg een som van de schaduw per woning, omdat de schaduw bijna altijd meerdere woningen tegelijk zal beslaan.

Tabel 6 Verwachte jaarlijkse slagschaduw per opstelling

Opstelling	Stilstand per jaar (uu:mm)
Alternatief 1	25:41
Alternatief 2	40:44
Alternatief 3	31:19

3.4 Stilstand per windturbine

Om te berekenen hoeveel van de slagschaduw normoverschrijdend is wordt bij elke woning 5:40u van de totale berekende hoeveelheid slagschaduw afgetrokken (uiteraard met een minimum van 0 uur per jaar).

De overgebleven normoverschrijdende slagschaduw moet worden voorkomen door middel van stilstand. Deze stilstand wordt berekend door de normoverschrijdende slagschaduw te delen door het aantal draaiuren (8415 uur) per jaar

Tabel 7 Verwachte jaarlijkse stilstand per opstelling om normoverschrijding te voorkomen

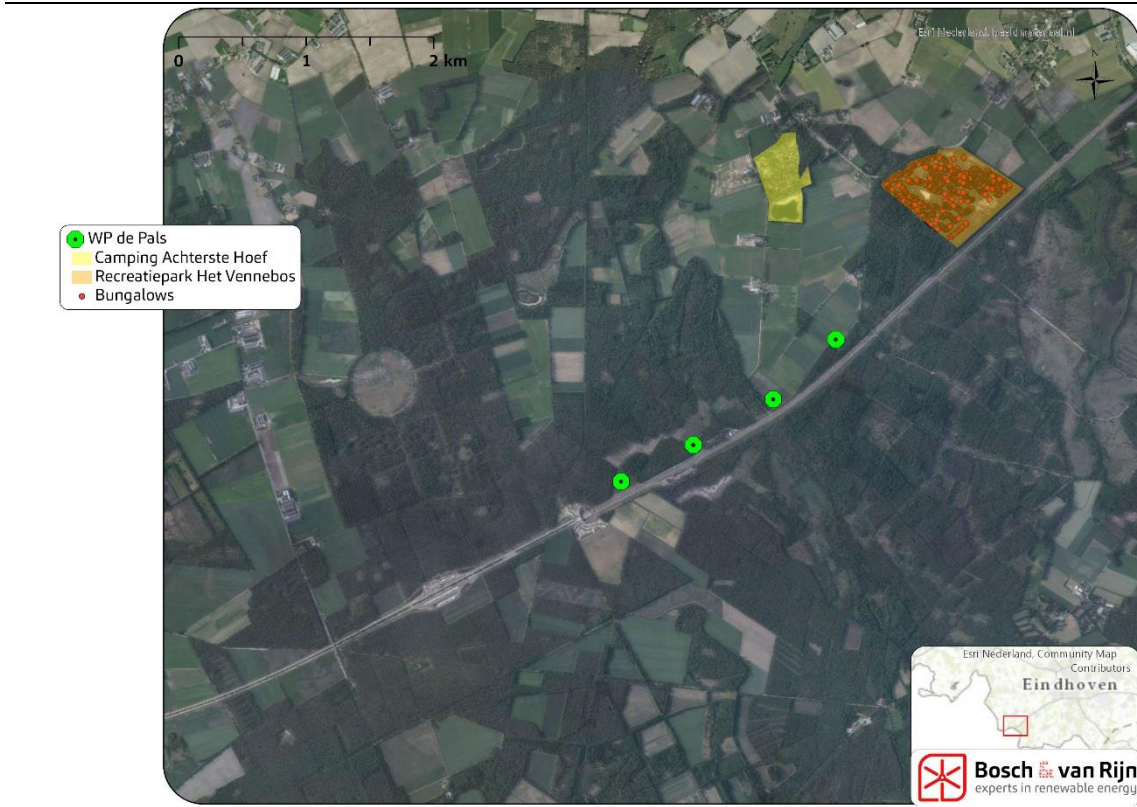
Opstelling	Stilstand per jaar (uu:mm)	Derving (% van draaiuren)
Alternatief 1	11:02	0,04%
Alternatief 2	35:01	0,14%
Alternatief 3	21:18	0,08%

3.5 Slagschaduw Bungalowpark

3.5.1 Inleiding

Nabij de beoogde windlocaties bevindt zich ook een recreatiepark en een camping (Figuur 11). Hoewel dit technisch gezien niet wordt beschouwd als een gevoelig object wordt voor het projectMER toch inzichtelijk gemaakt hoeveel slagschaduw er valt op het bungalowpark, waarbij dezelfde aannames worden gebruikt als bij de eerdere berekeningen.

Figuur 11 De beoogde windturbines van Windpark de Pals en bungalows en camping Achterste Hoef



Eerst wordt een 'worst case' berekening gemaakt van de hoeveelheid slagschaduw, waarbij geen rekening wordt gehouden met begroeiing. Omdat het een bosrijke omgeving betreft is een tweede berekening uitgevoerd waarin nabijgelegen bebouwing (11 meter hoog) in het rekenmodel is ingevoerd.

3.5.2 Slagschaduwcontour

Onderstaande afbeeldingen (volgorde: A1, A2, A3) tonen de 5 uur en 40 minuten en 0 uur slagschaduwcontouren per jaar van de alternatieven in relatie tot het bungalowpark.

Figuur 12 5:40u en 0u slagschaduwcontouren van de alternatieven (Hierbij is ook het bungalowpark weergegeven).



3.5.3 Slagschaduw per woning

WindPRO berekent hoeveel slagschaduw er jaarlijks naar verwachting optreedt bij elke bungalow. Voor het Vennebos wordt hieronder voor 2 referentiepunten (de twee hoekpunten) en de bungalow met de hoogste slagschaduwduur de hoeveelheid slagschaduw weergegeven. Tevens is ook voor de camping Achterste Hoef de slagschaduw berekend bij twee referentiepunten (Figuur 13).

Figuur 13 Maatgevende punten van de recreatieparken voor de berekening van slagschaduw



3.5.3.1 Slagschaduw zonder rekening houden met bos

Adres	A1	A2	A3
Vennenbos 161	00:00	00:00	00:00
Vennenbos 870	03:31	04:33	04:02
Vennenbos 869	03:50	05:35	04:26
Maatgevende punt west Achterste hoef	00:00	01:57	00:16
Maatgevende punt oost Achterste hoef	00:00	00:24	00:00

3.5.3.2 Slagschaduw met rekening houden met bos

Adres	A1	A2	A3
Vennenbos 161	00:00	00:00	00:00
Vennenbos 870	03:21	04:33	04:02
Vennenbos 869	03:43	05:03	04:23
Maatgevende punt west Achterste Hoef	00:00	01:57	00:16
Maatgevende punt oost Achterste Hoef	00:00	00:24	00:00

3.5.4 *Conclusie slagschaduw recreatiepark*

In de buurt van het windpark liggen twee recreatieparken. Voor deze recreatieparken is berekend op verschillende referentiepunten of / hoeveel slagschaduw de punten ontvangen.

Voor het recreatiepark het Vennenbos geldt dat bungalow Vennenbos 869 het meeste slagschaduw ontvangt (A1: 03:50, A2: 05:35, A3: 04:26). Vennenbos 870 ontvangt van 'alternatief 2' 5 uur en 3 minuten slagschaduw (meeste slagschaduw) en van 'alternatief 1' 3 uur en 43 minuten slagschaduw (het alternatief met de minste slagschaduw) terwijl Vennenbos 161 geen slagschaduw ontvangt van de alternatieven.

Doordat het een bosrijke omgeving is, is er berekend hoeveel slagschaduw er valt op de punten indien er rekening wordt gehouden met de begroeiing. Hiervoor geldt dat bij Vennenbos 870 zorgt dat de slagschaduwduur maximaal 10 minuten per jaar minder wordt terwijl bij Vennenbos 869 de slagschaduwduur maximaal 32 minuten per jaar minder wordt.

De periode wanneer slagschaduw *kan* optreden op vennenbos 869 is vanaf 9 november tot en met 2 februari. De slagschaduw treedt op in de late namiddag (tussen 3 en kwart over vier).

Voor de camping De Achterste Hoef geldt dat het westelijke referentiepunt maximaal 1 uur en 57 minuten slagschaduw (alternatief 2) en ontvangt en minimaal 0 uur slagschaduw (alternatief 1).

De periode wanneer bij de camping De Achterste Hoef slagschaduw *kan* optreden is vanaf 28 november tot en met 14 januari. De slagschaduw treedt op in de late ochtend (tussen 10 en 12 uur).

Hoofdstuk 4 Voorkeursalternatief



4.1 Beschrijving voorkeursalternatief

Mede op basis van de resultaten van het MER is een voorkeursalternatief (VKA) gedefinieerd. Van het VKA liggen de windturbinelocaties vast, maar is er een bandbreedte in ashoogte en rotordiameter. Voor wat betreft de afmetingen is deze bandbreedte als volgt opgespannen:

- Ashoogte: Minimaal 145 meter, maximaal 165 meter;
- Rotordiameter: Minimaal 145 meter, maximaal 165 meter;
- Tiphoogte: Minimaal 217,5 meter, maximaal 240 meter;

Voor slagschaduw geldt in basis dat het bereik waarbinnen slagschaduw optreedt toeneemt met toenemende ashoogte en rotordiameter. Om de effecten inzichtelijk te maken worden in dit rapport twee windturbintypes onderzocht, die de onder- en bovenkant van de bandbreedte aangeven.

De windturbines die verder in dit hoofdstuk worden onderzocht staan gegeven in onderstaande tabel. In het verdere rapport worden deze aangeduid als 'ondervariant' en 'bovenvariant'.

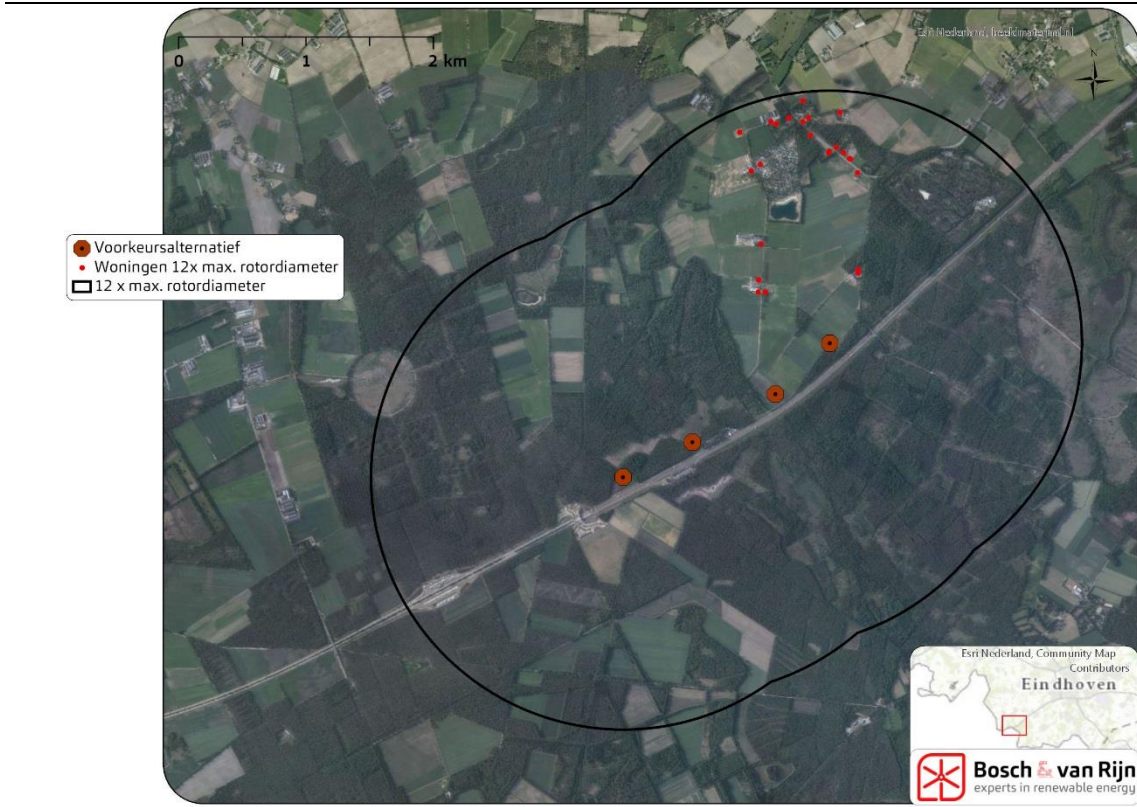
Tabel 8 Gegevens onder- en bovenvariant⁴ v.w.b slagschaduw (in meter).

Variant	Type	Ashoogte	Rotordiameter
Onder	Referentiewindturbine	145	145
Boven	Referentiewindturbine	157,5	165

NB. Er is een maximale ashoogte van 165 meter toegestaan. Omdat echter de tiphoogte begrensd is op 240 meter, en een grotere rotordiameter meer effect heeft op de slagschaduwproductie dan de ashoogte, hebben wij de bovengenoemde afmetingen aangehouden.

⁴ Van de onderzochte windturbines bestaan nog geen commercieel beschikbare types. Echter, de berekening zit niet vast aan commercieel beschikbare types: alle windturbines met een bepaalde ashoogte en rotordiameter en veroorzaken (vrijwel) dezelfde hoeveelheid slagschaduw. Door fictieve windturbines door te rekenen zijn de minimale en maximale effecten in kaart gebracht.

Figuur 14 Windturbinelocaties van het voorkeursalternatief voor windpark de Pals



De coördinaten van de windturbines staan in onderstaande tabel.

Windturbine	X	Y
1	142835	370259
2	143379	370536
3	144032	370911
4	144457	371313

4.2 Rekenmethode

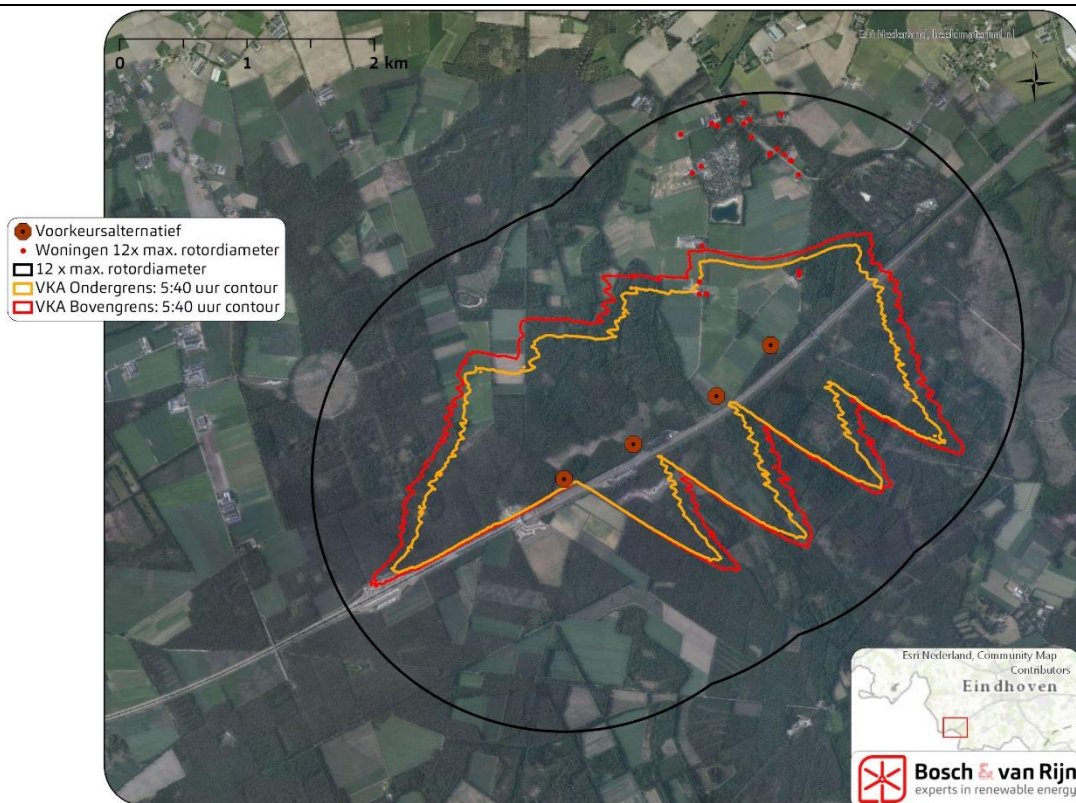
Voor het VKA wordt dezelfde rekenmethode gehanteerd als voor de MER-alternatieven.

4.3 Slagschaduwcontour

4.3.1 Resultaten zonder cumulatie

Onderstaande afbeelding toont de 5 uur en 40 minuten slagschaduwcontour van zowel de bovengrens als ondergrens. Hierbij wordt uitgegaan van een *realistische meteorologische* situatie. Dit wil dus zeggen dat er binnen de lijn jaarlijks meer dan 5 uur en 40 minuten slagschaduw optreedt en er buiten minder.

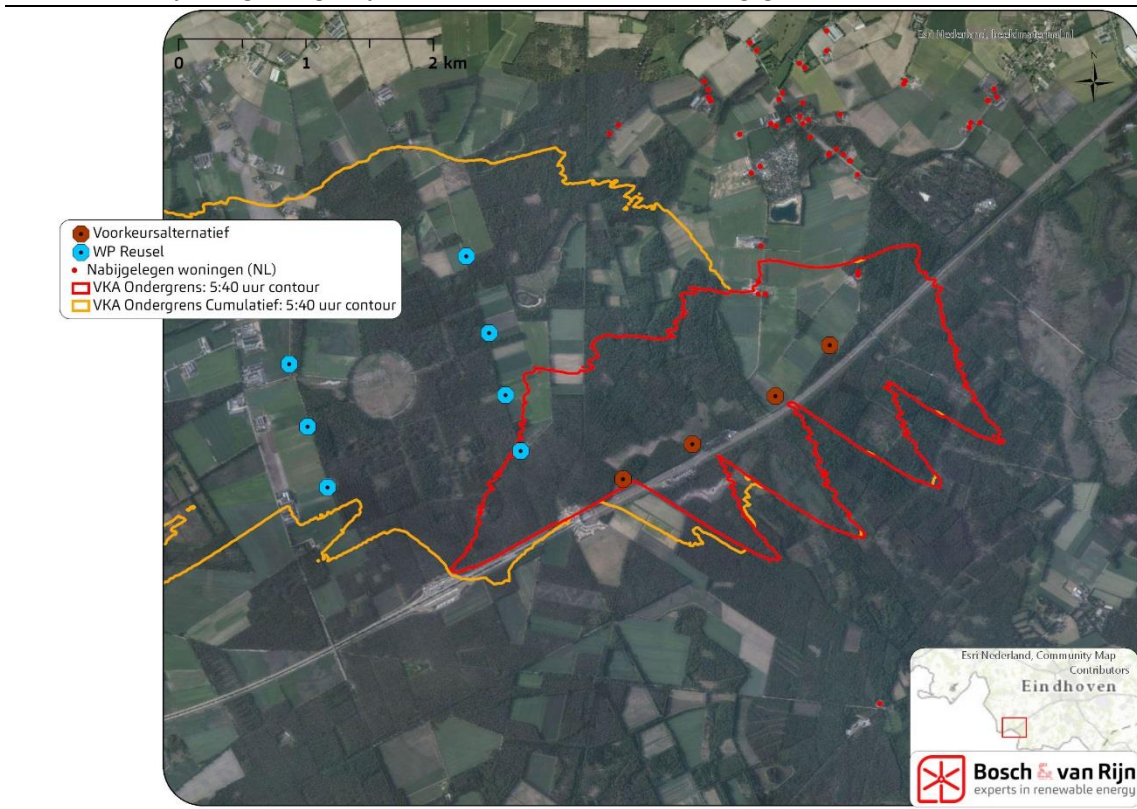
Figuur 15 De 5:40u slagschaduwcontouren van de onder- en bovengrens. Hierbij zijn ook woningen binnen 12x de rotordiameter weergegeven.



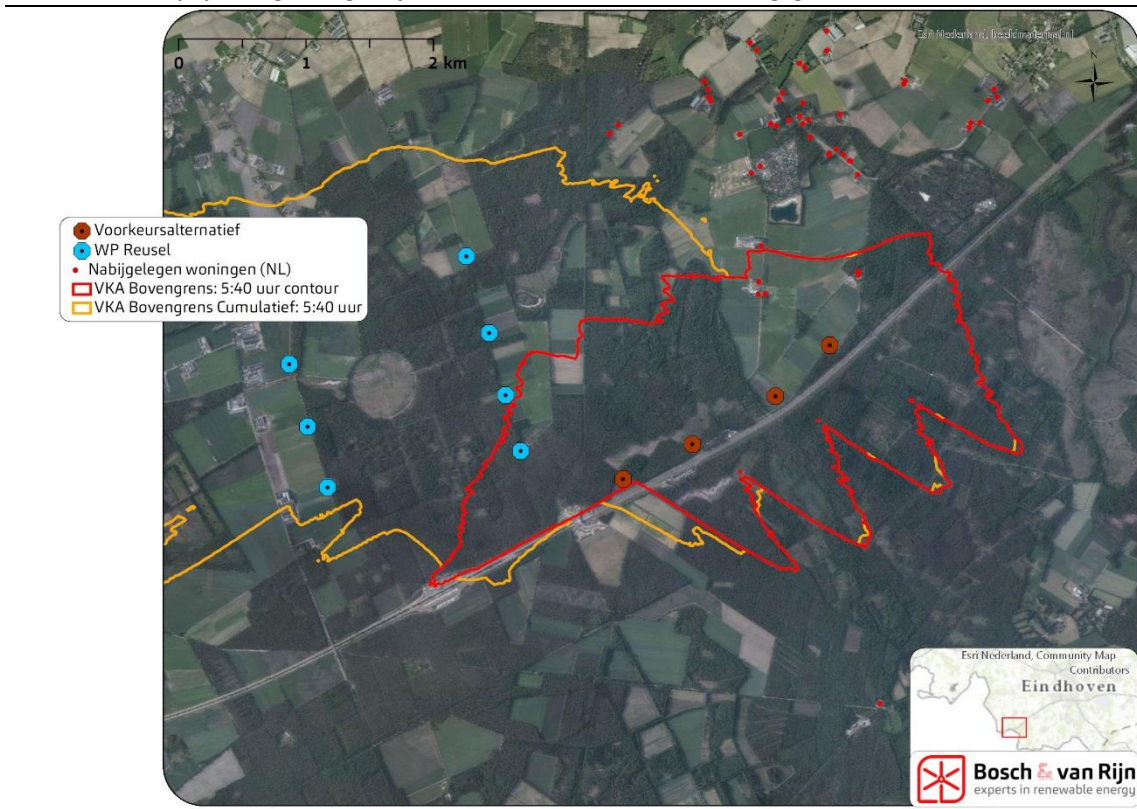
4.3.2 Resultaten met cumulatie

Onderstaande afbeeldingen (volgorde: ondergrens, bovengrens) toont de 5 uur en 40 minuten slagschaduwcontour per jaar van de onder- en bovengrens met bestaande/geplande windparken. Hierbij worden dezelfde aannames gebruikt als bij bovenstaande afbeeldingen.

Figuur 16 De 5:40u slagschaduwcontouren van de ondergrens en de cumulatieve slagschaduwcontour. Hierbij zijn ook gevoelige objecten van derden in Nederland weergegeven.



Figuur 17 De 5:40u slagschaduwcontouren van de bovengrens en de cumulatieve slagschaduwcontour. Hierbij zijn ook gevoelige objecten van derden in Nederland weergegeven.



4.4 Woningen binnen de contour

4.4.1 Resultaten zonder cumulatie

Er bevinden zich een aantal woningen binnen ten minste één van de 5 uur en 40 minuten slagschaduwcontouren. Onderstaande tabellen geeft de aantallen en de hoeveelheid slagschaduw die te verwachten is per jaar zonder mitigerende maatregelen.

Tabel 9 Aantal woningen binnen de slagschaduwcontouren van de opstellingen.

Opstelling	Aantal woningen binnen...	
	5:40 uur-contour	0 uur-contour
Ondergrens	5	6
Bovengrens	5	6

Tabel 10 De te verwachte slagschaduw in [uu:mm] per jaar op de zes woningen waarbij slagschaduw plaatsvindt

Adres	Ondergrens	Bovengrens
De Pals 1 5527PA Hapert	12:22	17:10
De Pals 2 5527PA Hapert	14:34	19:40
Troprijt 14 5531NA Bladel	08:25	12:54
Troprijt 15 5531NA Bladel	04:05	05:24
Troprijt 19 5531NA Bladel	06:31	08:12
Troprijt 21 5531NA Bladel	07:40	11:27

4.4.2 Resultaten met cumulatie

Naast inzicht in het aantal woningen binnen ten minste één van de 5 uur en 40 minuten van de slagschaduwcontouren van het beoogde windpark afzonderlijk wordt in onderstaande tabel ook het aantal woningen waarbij normoverschrijding plaats vindt door Windpark de Reusel en Laarakkerdijk, het aantal woningen die door realisatie van Windpark de Pals cumulatief meer dan 5 uur en 40 minuten slagschaduw ontvangen en het aantal woningen die alleen slagschaduw ontvangen van Windpark de Pals weergegeven.

NB. Voor onderstaande resultaten wordt alleen gekeken naar woningen binnen 12x de rotordiameter van Windpark de Pals.

Tabel 11 Aantal woningen binnen 12x de rotordiameter van windpark de Pals die meer dan 5 uur en 40 minuten slagschaduw ontvangen door de autonome situatie en cumulatieve situatie.

Opstelling	Aantal woningen binnen de 5:40 uur contour van de Reusel en Laarakkerdijk	Aantal woningen binnen de cumulatieve 5:40 uur contour	Aantal woningen met meer dan 5:40 uur slagschaduw alleen slagschaduw ontvangen van WP de Pals
Ondergrens	0	5	5
Bovengrens	0	5	5

4.5 Slagschaduw per windturbine

WindPRO berekent naast hoeveel slagschaduw er jaarlijks naar verwachting optreedt bij elke woning ook hoeveel slagschaduw er door de vier windturbines wordt veroorzaakt. Dit is niet simpelweg een som van de schaduw per woning, omdat de schaduw bijna altijd meerdere woningen tegelijk zal beslaan.

Tabel 12 Verwachte jaarlijkse slagschaduw per opstelling

Opstelling	Stilstand per jaar (uu:mm)
Ondergrens	31:31
Bovengrens	43:29

4.6 Stilstand per windturbine

Om te berekenen hoeveel van de slagschaduw normoverschrijdend is wordt bij elke woning 5:40u van de totale berekende hoeveelheid slagschaduw afgetrokken (uiteraard met een minimum van 0 uur per jaar).

De overgebleven normoverschrijdende slagschaduw moet worden voorkomen door middel van stilstand. Deze stilstand wordt berekend door de normoverschrijdende slagschaduw te delen door het aantal draaiuren (8415 uur) per jaar

Tabel 13 Verwachte jaarlijkse stilstand per opstelling om normoverschrijding te voorkomen

Opstelling	Stilstand per jaar (uu:mm)	Derving (% van draaiuren)
Ondergrens	21:12	0,08%
Bovengrens	41:03	0,12%

4.7 Slagschaduw Bungalowpark

4.7.1 Inleiding

Nabij de beoogde windlocaties bevindt zich ook een recreatiepark en een camping (Figuur 18). Hoewel dit technisch gezien niet wordt beschouwd als een gevoelig object wordt voor het projectMER toch inzichtelijk gemaakt hoeveel slagschaduw er valt op het recreatiepark en camping, waarbij dezelfde aannames worden gebruikt als bij de eerdere berekeningen.

Figuur 18 De beoogde windturbines van Windpark de Pals en bungalows en camping Achterste Hoef

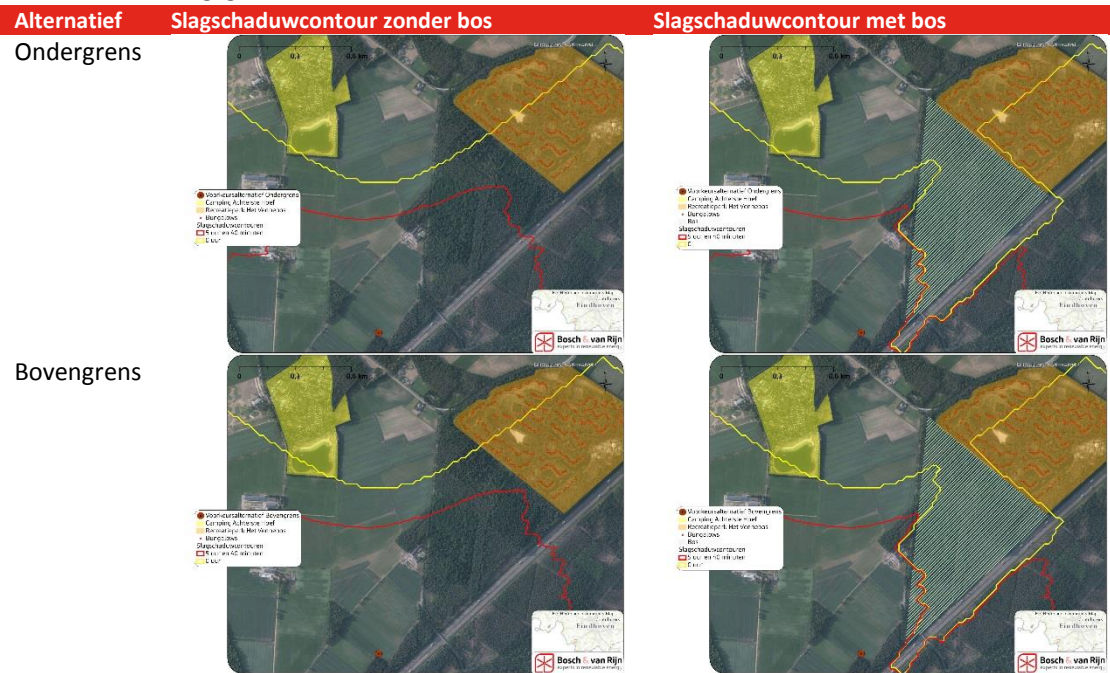


Eerst wordt een 'worst case' berekening gemaakt van de hoeveelheid slagschaduw, waarbij geen rekening wordt gehouden met begroeiing. Omdat het een bosrijke omgeving betreft is een tweede berekening uitgevoerd waarin nabijgelegen bebouwing (11 meter hoog) in het rekenmodel is ingevoerd.

4.7.2 Slagschaduwcontour

Onderstaande afbeeldingen (volgorde: ondergrens en bovengrens) tonen de 5 uur en 40 minuten en 0 uur slagschaduwcontouren per jaar van de alternatieven in relatie tot het bungalowpark.

Figuur 19 5:40u en 0u slagschaduwcontouren van de onder- en bovengrens (Hierbij is ook het bungalowpark weergegeven).



4.7.3 Slagschaduw per woning

WindPRO berekent hoeveel slagschaduw er jaarlijks naar verwachting optreedt bij elke bungalow. Voor het Vennebos wordt hieronder voor 2 referentiepunten (de twee hoekpunten) en de bungalow met de hoogste slagschaduwduur de hoeveelheid slagschaduw weergegeven. Tevens is ook voor de camping Achterste Hoef de slagschaduw berekend bij twee referentiepunten (Figuur 13).

Figuur 20 Maatgevende punten van de recreatieparken voor de berekening van slagschaduw



4.7.3.1 Slagschaduw zonder rekening houden met bos

Adres	Ondergrens	Bovengrens
Vennenbos 161	00:00	00:00
Vennenbos 870	03:29	04:23
Vennenbos 869	04:23	05:24
Maatgevende punt west Achterste hoef	00:13	01:15
Maatgevende punt oost Achterste hoef	00:00	00:00

4.7.3.2 Slagschaduw met rekening houden met bos

Adres	Ondergrens	Bovengrens
Vennenbos 161	00:00	00:00
Vennenbos 870	03:29	04:23
Vennenbos 869	04:03	05:01
Maatgevende punt west Achterste Hoef	00:13	01:15
Maatgevende punt oost Achterste Hoef	00:00	00:00

4.7.4 *Conclusie slagschaduw recreatiepark*

In de buurt van het windpark liggen twee recreatieparken. Voor deze recreatieparken is berekend op verschillende referentiepunten of / hoeveel slagschaduw de punten ontvangen.

Voor het recreatiepark het Vennenbos geldt dat bungalow Vennenbos 869 het meeste slagschaduw ontvangt (Ondergrens: 04:23, Bovengrens: 05:24). Vennenbos 870 ontvangt van de 'ondergrens' 3 uur en 29 minuten slagschaduw en van de 'bovengrens' 4 uur en 23 minuten slagschaduw terwijl Vennenbos 161 geen slagschaduw ontvangt van zowel de onder- als bovengrens.

Doordat het een bosrijke omgeving is, is er berekend hoeveel slagschaduw er valt op de punten indien er rekening wordt gehouden met de begroeiing. Hiervoor geldt dat bij Vennenbos 870 er geen verandering optreedt en bij Vennenbos 869 de slagschaduwduur maximaal 23 minuten per jaar minder wordt.

De periode wanneer slagschaduw *kan* optreden op vennenbos 869 is vanaf 10 november tot en met 1 februari. De slagschaduw treedt op in de late namiddag (tussen 3 en kwart over vier).

Voor de camping De Achterste Hoef geldt dat het westelijke referentiepunt maximaal 1 uur en 25 minuten slagschaduw (Bovengrens) en ontvangt en minimaal 13 minuten slagschaduw (Ondergrens).

De periode wanneer bij de camping De Achterste Hoef slagschaduw *kan* optreden is vanaf 3 december tot en met 9 januari. De slagschaduw treedt op in de late ochtend (tussen 10 en 12 uur).

Hoofdstuk 5 Conclusie



5.1 Conclusie slagschaduwonderzoek projectMER

Voor de drie alternatieven hebben vijf woningen in de omgeving van het windpark jaarlijks meer slagschaduw dan volgens de Activiteitenregeling is toegestaan. Om aan de wettelijke norm voor slagschaduw te voldoen zal een stilstandvoorziening in de turbines moeten worden aangebracht. Deze turbine schakelt de turbine uit wanneer deze norm overschrijdende slagschaduw veroorzaakt, afhankelijk van tijd, datum, windrichting en bewolking.

Met meteorologische gegevens is voor de drie onderzochte alternatieven berekend hoe lang de turbines moeten worden stilgezet om de slagschaduw op woningen te reduceren tot de 5:40 uur norm. Voor Alternatief 2 (alternatief met de meeste slagschaduw) levert dit een verlies op van ongeveer 0,14% van de energieopbrengst terwijl voor Alternatief 1 (alternatief met de minste slagschaduw) dit een opbrengstderving van 0,08% geeft.

Een dergelijke kleine opbrengstderving brengt rendabele exploitatie van de drie alternatieven niet in gevaar.

5.2 Conclusie voorkeursalternatief

Tevens is voor het voorkeursalternatief berekend hoeveel slagschaduw er valt op woningen in de omgeving van het windpark. Voor 5 woningen is dit meer dan volgens de Activiteitenregeling is toegestaan. Om aan de wettelijke norm voor slagschaduw te voldoen zal een stilstandvoorziening in de turbines moeten worden aangebracht. Voor de bovengrens leidt dit tot een verlies van 0,12% en voor de ondergrens van 0,08%. Ook voor de volledige bandbreedte van het voorkeursalternatief geldt: er treden geen belangrijke nadelige slagschaduw effecten op en de haalbaarheid en vergunbaarheid van het windpark worden niet belemmerd.

Hoofdstuk 6 Bijlagen



Bijlage A Resultaten per woning

Hieronder staan de woningen die zich binnen 12x de rotorafstand bevinden van de projectMER alternatieven. De adresgegevens komen uit de Basisadministratie Adressen en Gebouwen (BAG), download van januari 2018.

Uren schaduw per jaar, per opstelling.

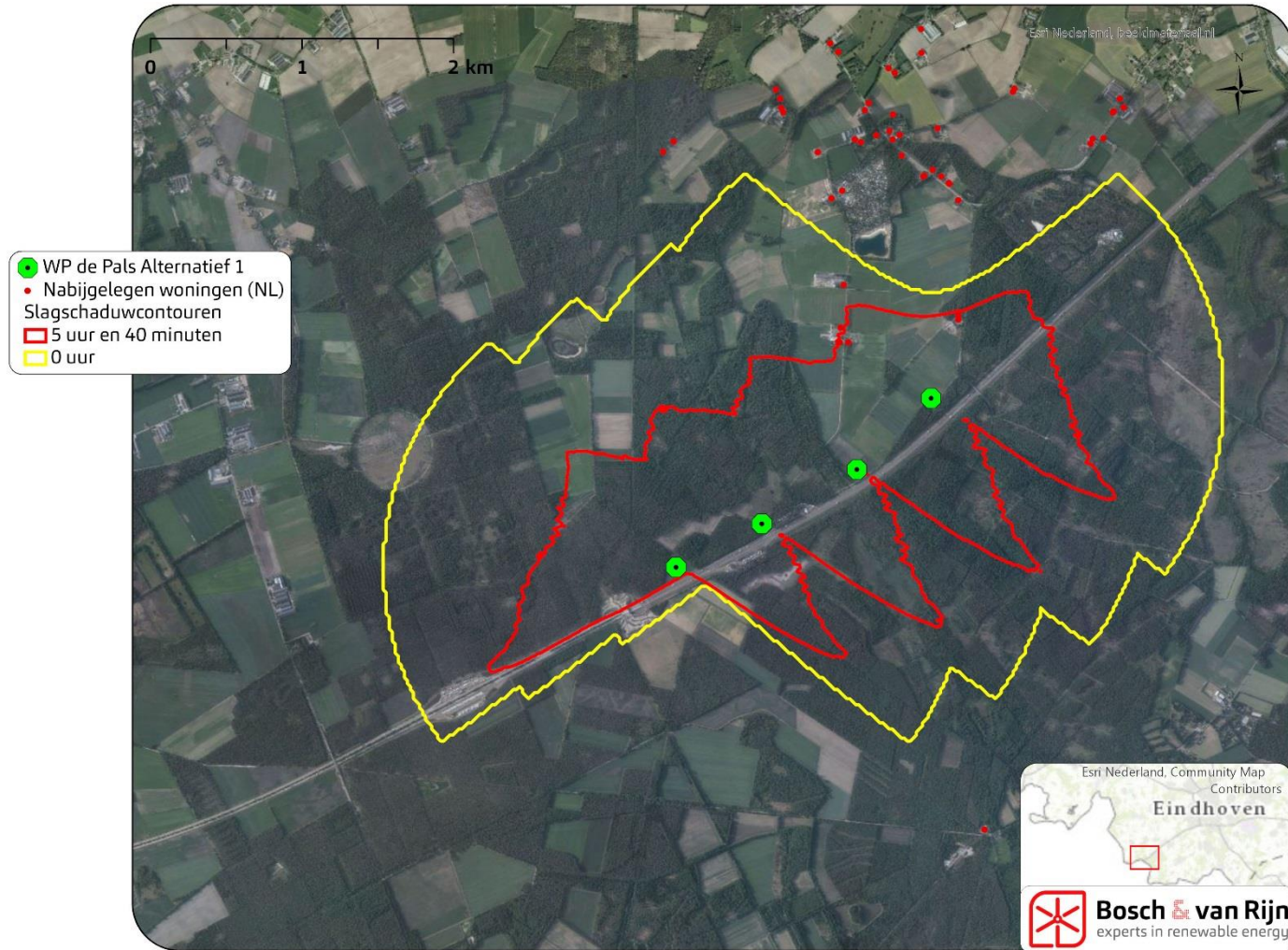
Adres	A1	A2	A3
Akkerweg 6 5531NT Bladel	00:00	00:00	00:00
Bredasebaan 34 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 35 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 37 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 37A 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 38 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 42 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 44 5531NC Bladel	00:00	00:00	00:00
De Pals 1 5527PA Hapert	08:29	17:17	10:51
De Pals 2 5527PA Hapert	10:44	19:57	13:25
Groot Terkooijen 3 5531NV Bladel	00:00	00:00	00:00
Groot Terkooijen 11 5531NV Bladel	00:00	00:00	00:00
Troprijt 4 5531NA Bladel	00:00	00:00	00:00
Troprijt 5 5531NA Bladel	00:00	00:00	00:00
Troprijt 6 5531NA Bladel	00:00	00:00	00:00
Troprijt 7 5531NA Bladel	00:00	00:00	00:00
Troprijt 10A 5531NA Bladel	00:00	00:00	00:00
Troprijt 11 5531NA Bladel	00:00	00:00	00:00
Troprijt 14 5531NA Bladel	07:33	10:11	09:31
Troprijt 15 5531NA Bladel	03:44	05:39	04:29
Troprijt 19 5531NA Bladel	06:02	07:06	07:35
Troprijt 21 5531NA Bladel	06:34	08:50	08:16
Bredasebaan 40 5531NC Bladel	00:00	00:00	00:00
Bredasebaan 39 5531NC Bladel	00:00	00:00	00:00

Adres	Ondergrens	Bovengrens
Akkerweg 6 5531NT Bladel	00:00	00:00
Bredasebaan 34 5531NC Bladel	00:00	00:00
Bredasebaan 35 5531NC Bladel	00:00	00:00
Bredasebaan 37 5531NC Bladel	00:00	00:00
Bredasebaan 37A 5531NC Bladel	00:00	00:00
Bredasebaan 38 5531NC Bladel	00:00	00:00
Bredasebaan 42 5531NC Bladel	00:00	00:00
Bredasebaan 44 5531NC Bladel	00:00	00:00
De Pals 1 5527PA Hapert	12:22	17:10
De Pals 2 5527PA Hapert	14:34	19:40
Groot Terkooijen 3 5531NV Bladel	00:00	00:00
Groot Terkooijen 11 5531NV Bladel	00:00	00:00
Troprijt 4 5531NA Bladel	00:00	00:00
Troprijt 5 5531NA Bladel	00:00	00:00
Troprijt 6 5531NA Bladel	00:00	00:00
Troprijt 7 5531NA Bladel	00:00	00:00
Troprijt 10A 5531NA Bladel	00:00	00:00
Troprijt 11 5531NA Bladel	00:00	00:00
Troprijt 14 5531NA Bladel	08:25	12:54
Troprijt 15 5531NA Bladel	04:05	05:24
Troprijt 19 5531NA Bladel	06:31	08:12
Troprijt 21 5531NA Bladel	07:40	11:27
Bredasebaan 40 5531NC Bladel	00:00	00:00
Bredasebaan 39 5531NC Bladel	00:00	00:00

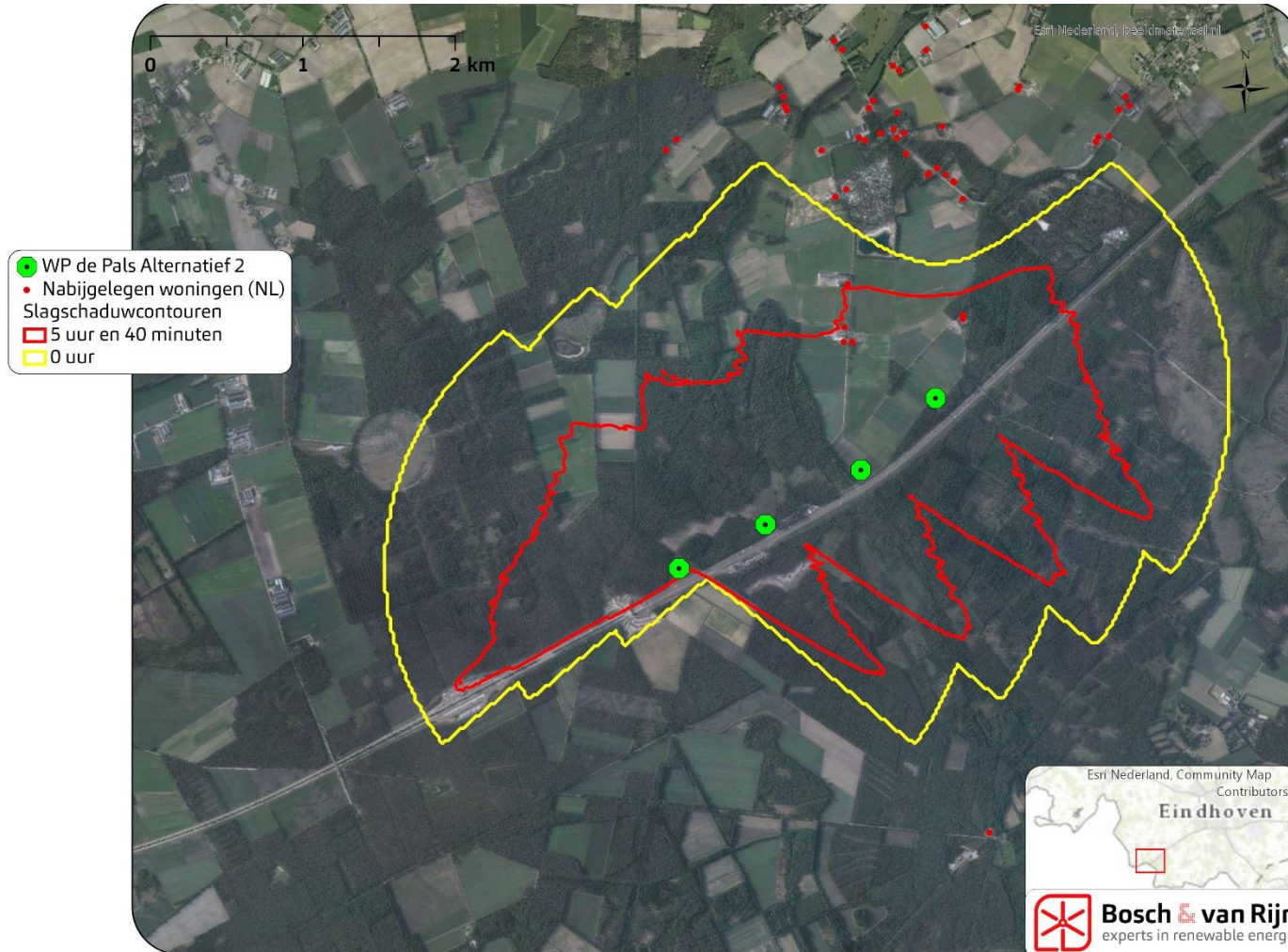
Bijlage B Slagschaduwcontouren



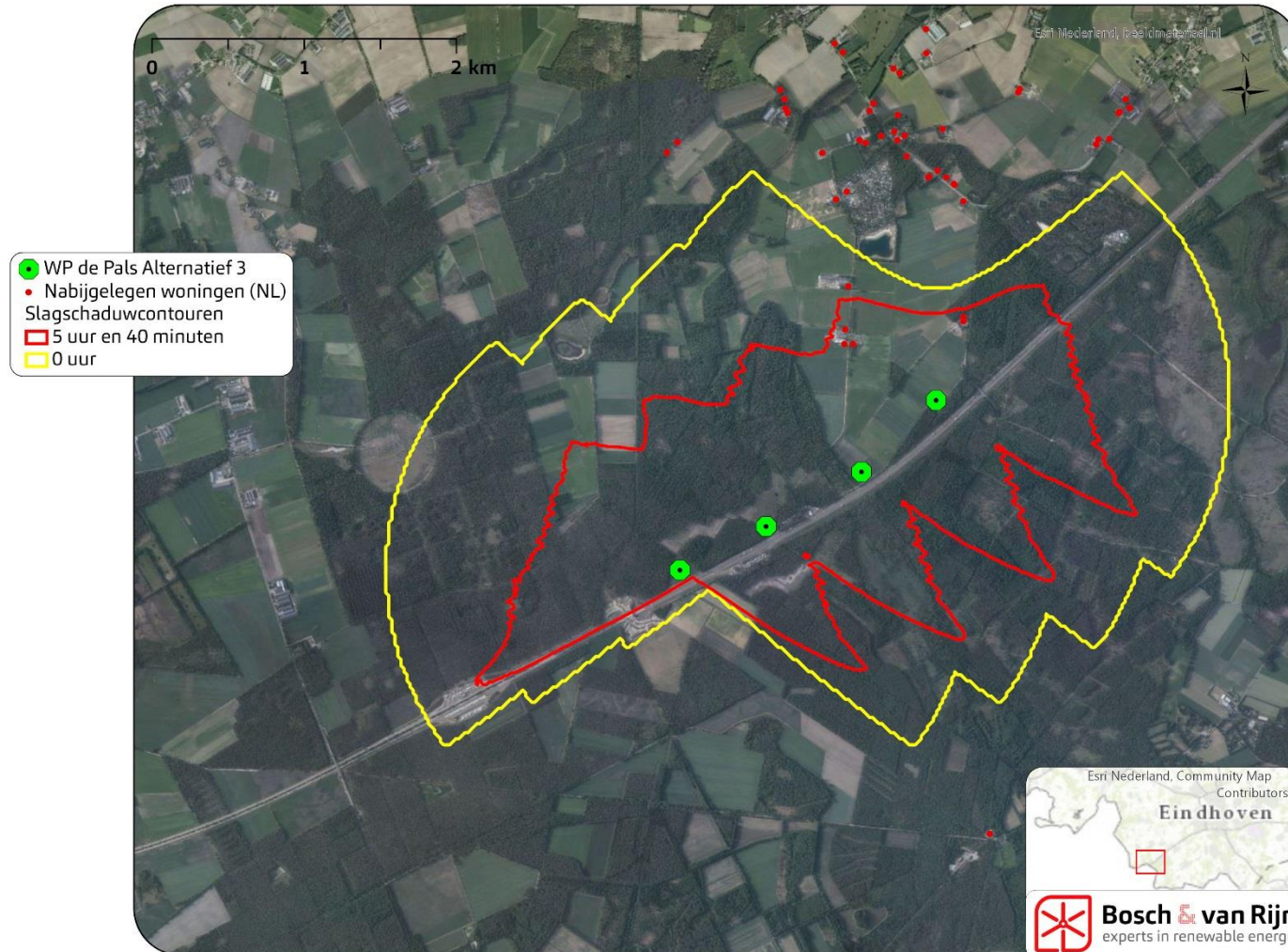
Figuur 21 Slagschaduwcontour alternatief 1



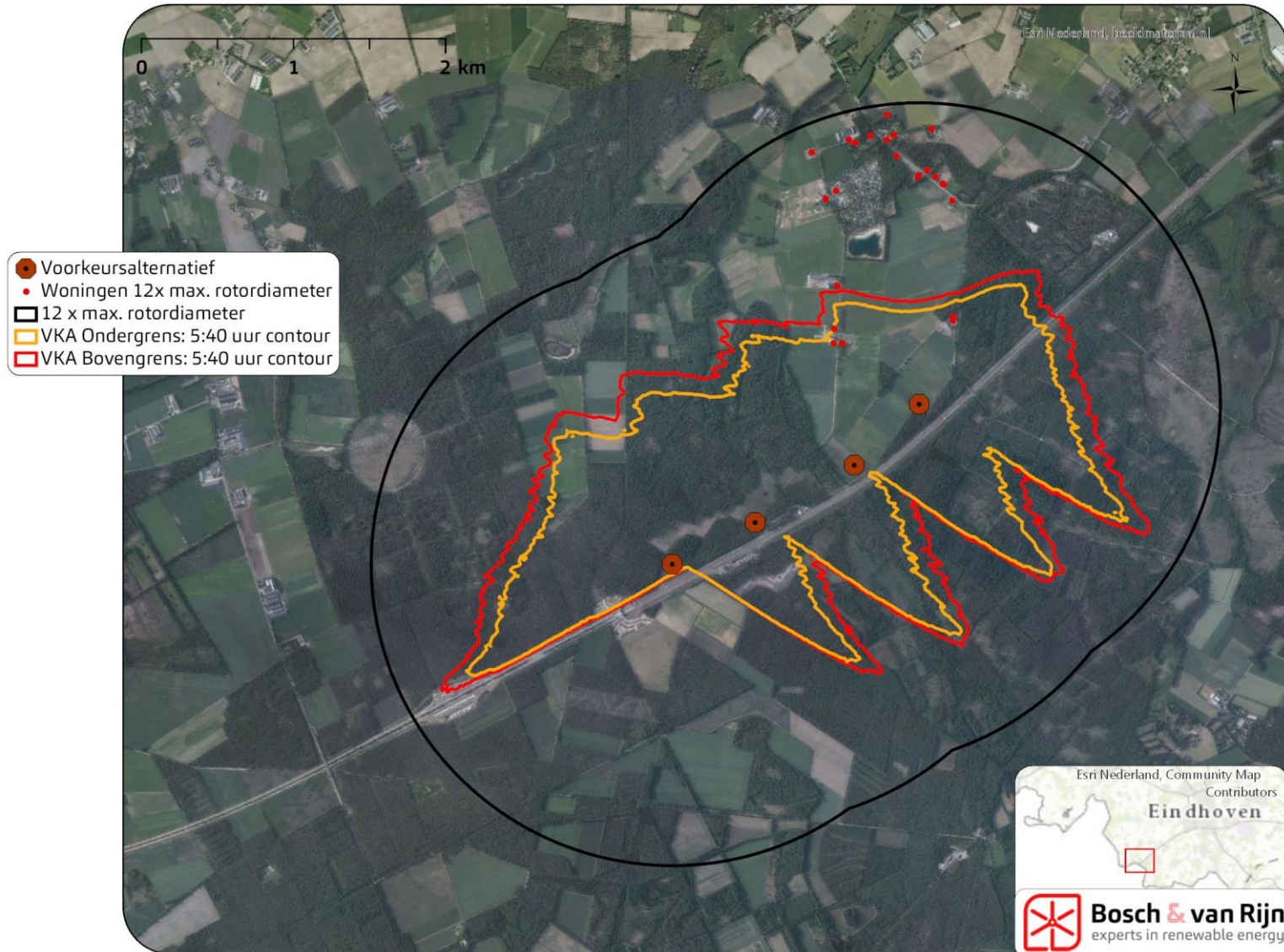
Figuur 22 Slagschaduwcontour Alternatief 2



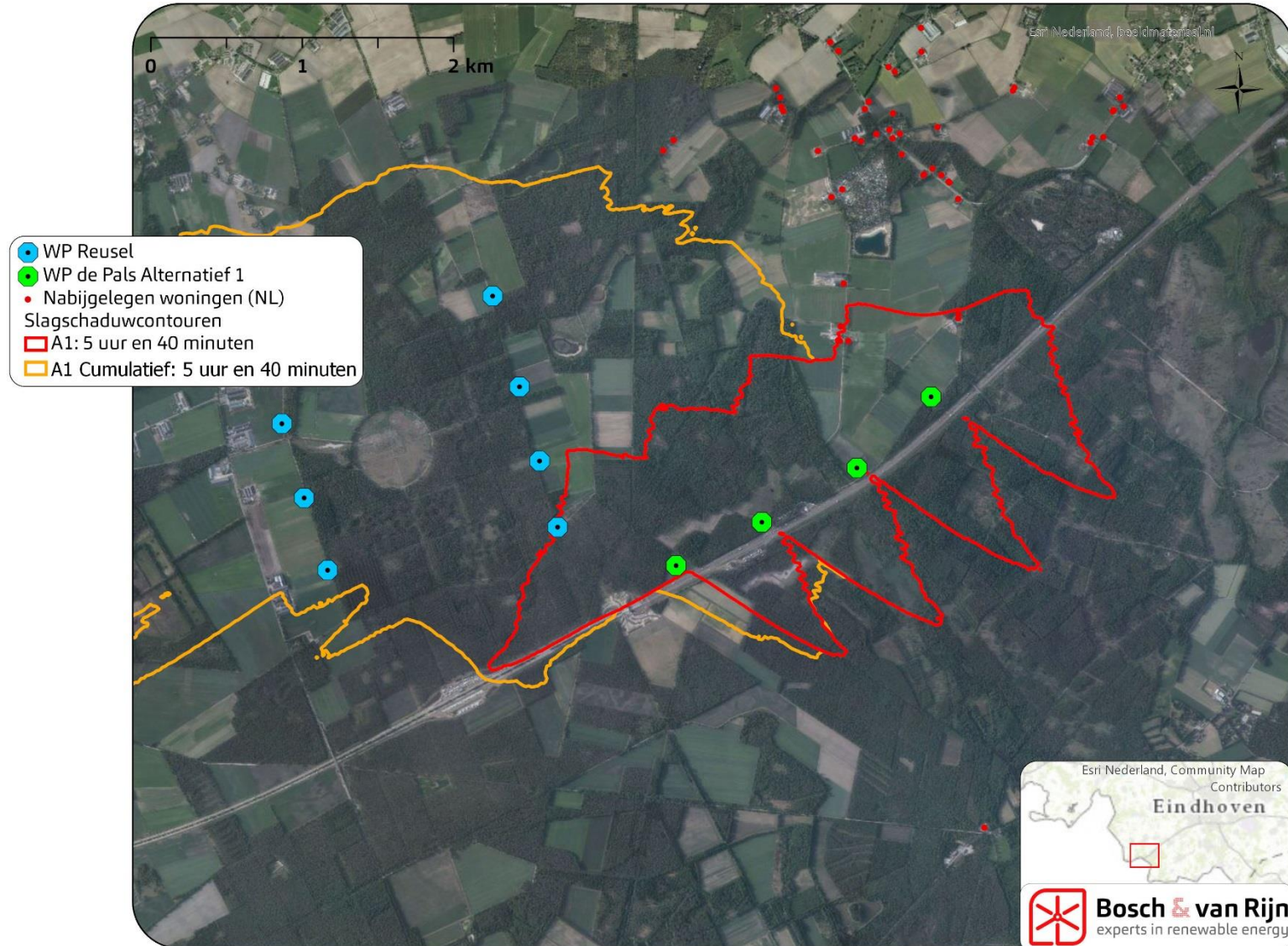
Figuur 23 Slagschaduwcontour Alternatief 3



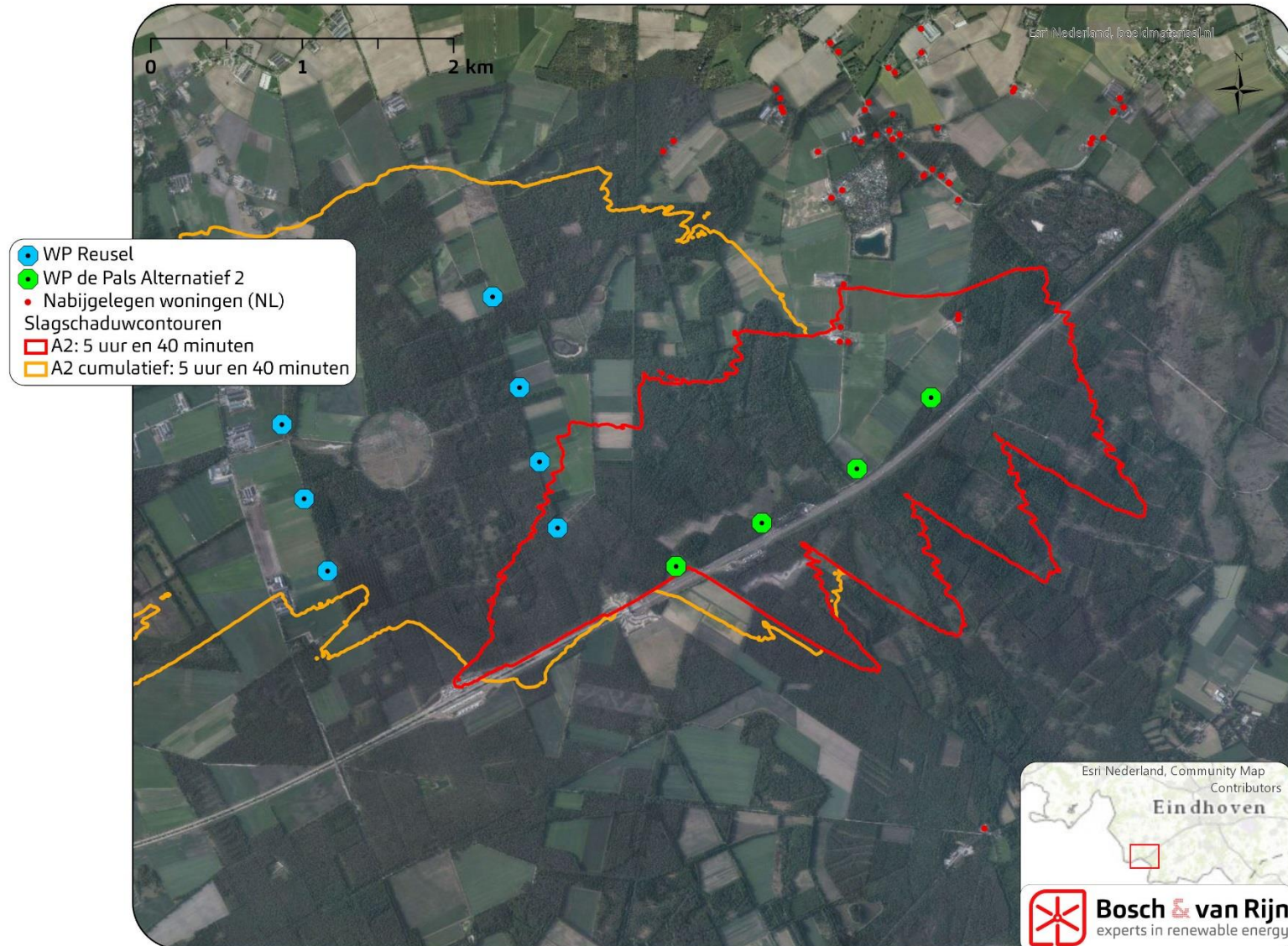
Figuur 24 Slagschaduwcontour van de onder- en bovengrens



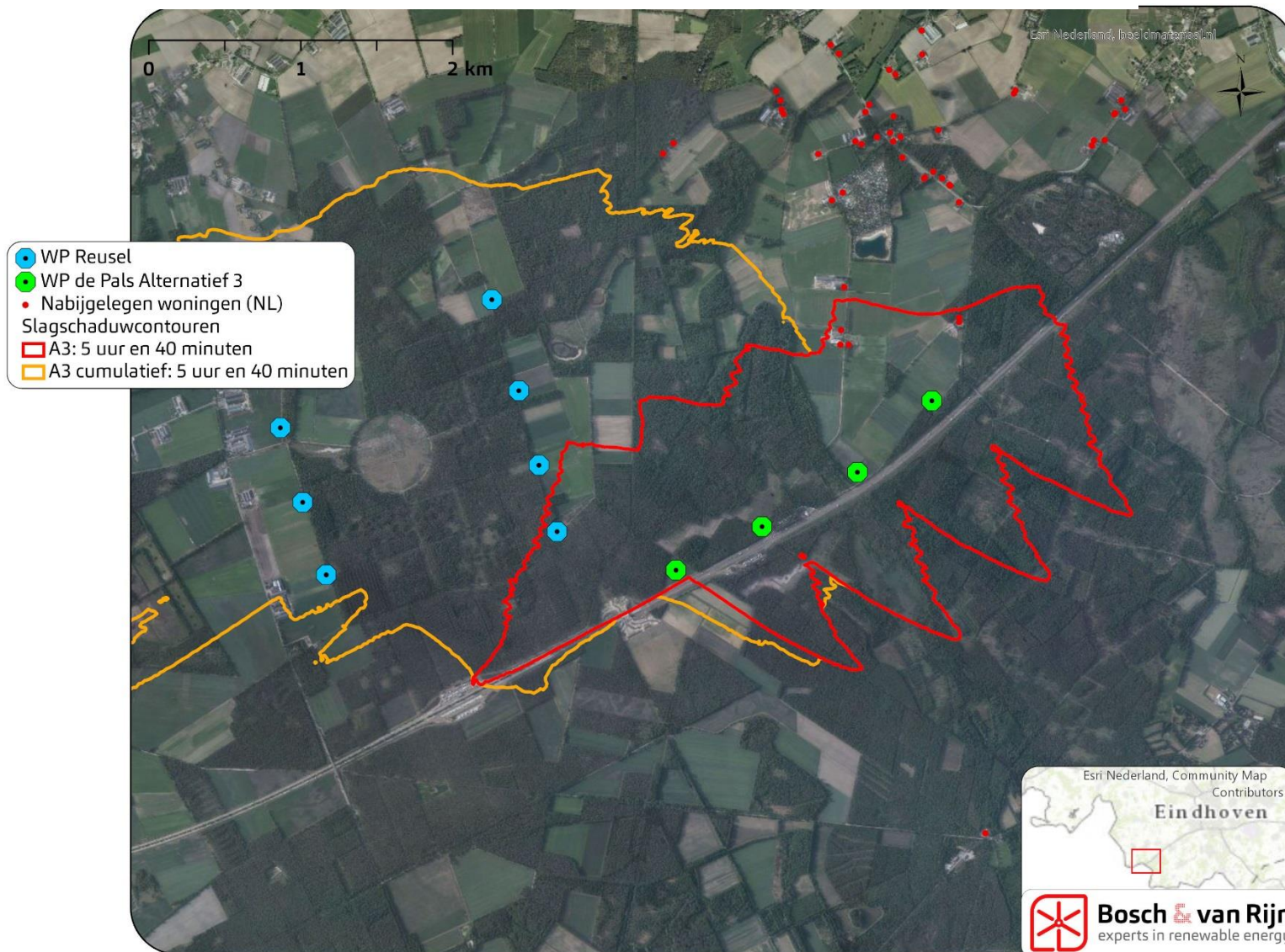
Figuur 25 Slagschaduwcontour Alternatief 1 met cumulatie



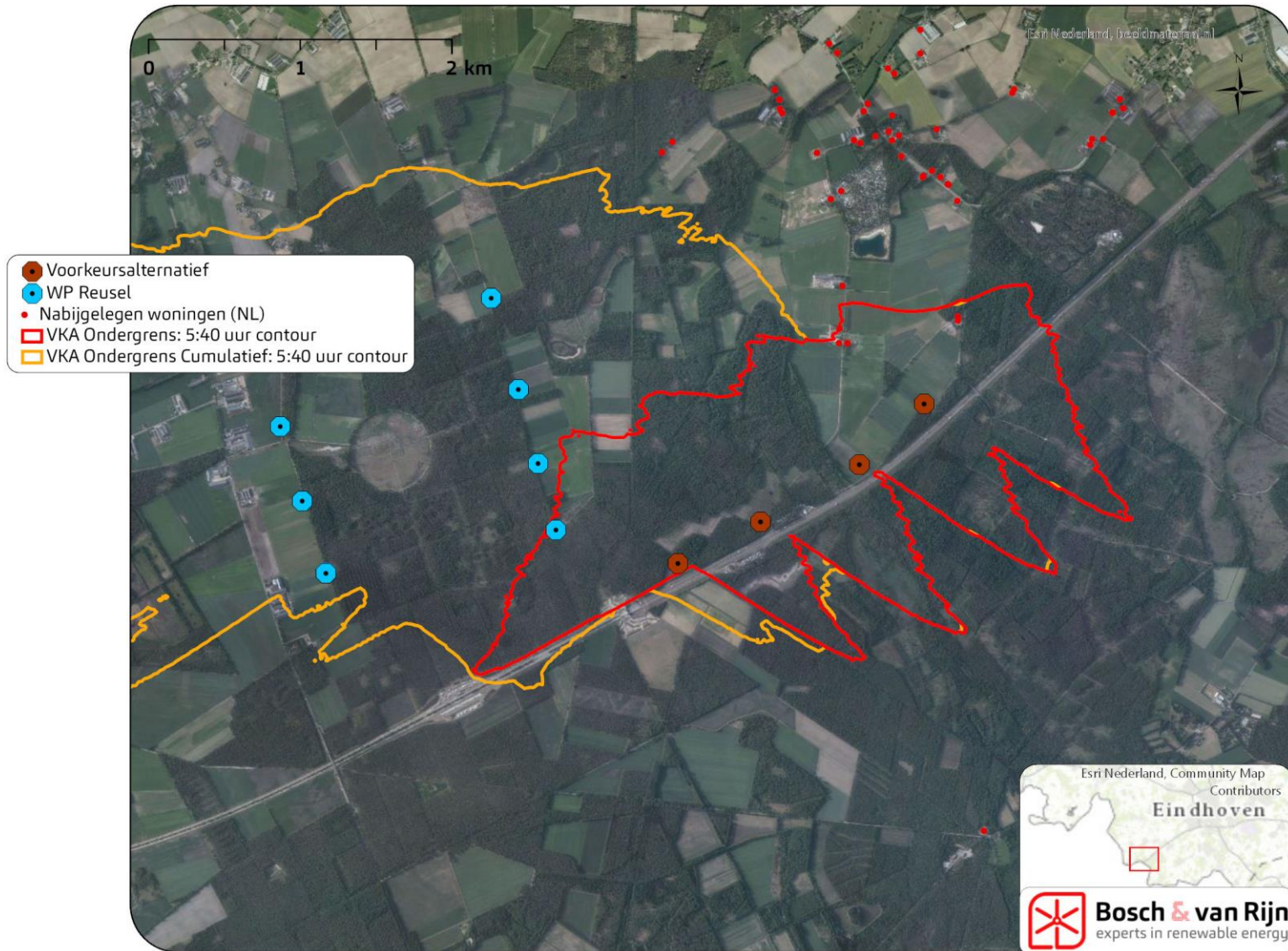
Figuur 26 Slagschaduwcontour Alternatief 2 met cumulatie



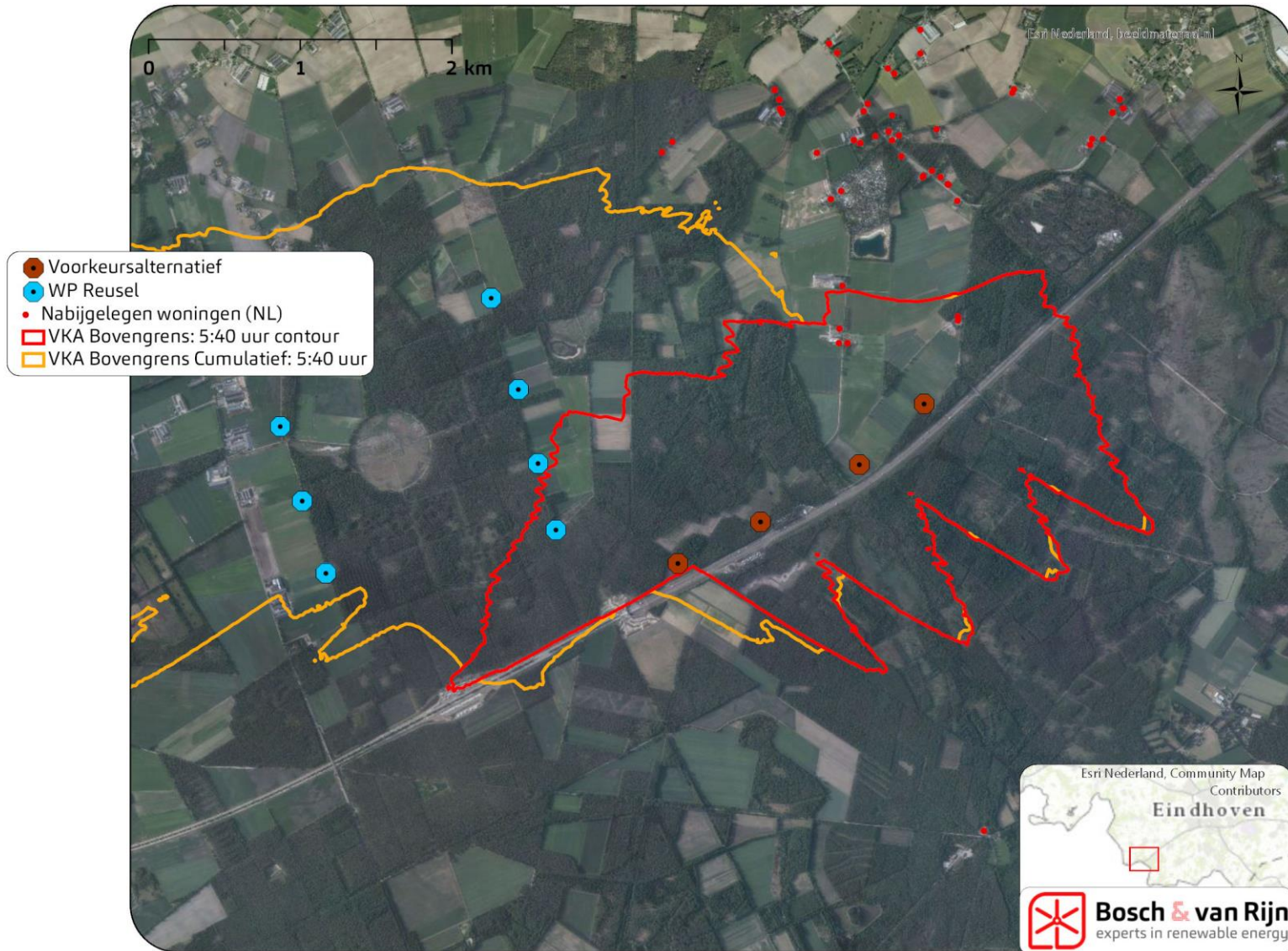
Figuur 27 Slagschaduwcontour Alternatief 3 met cumulatie



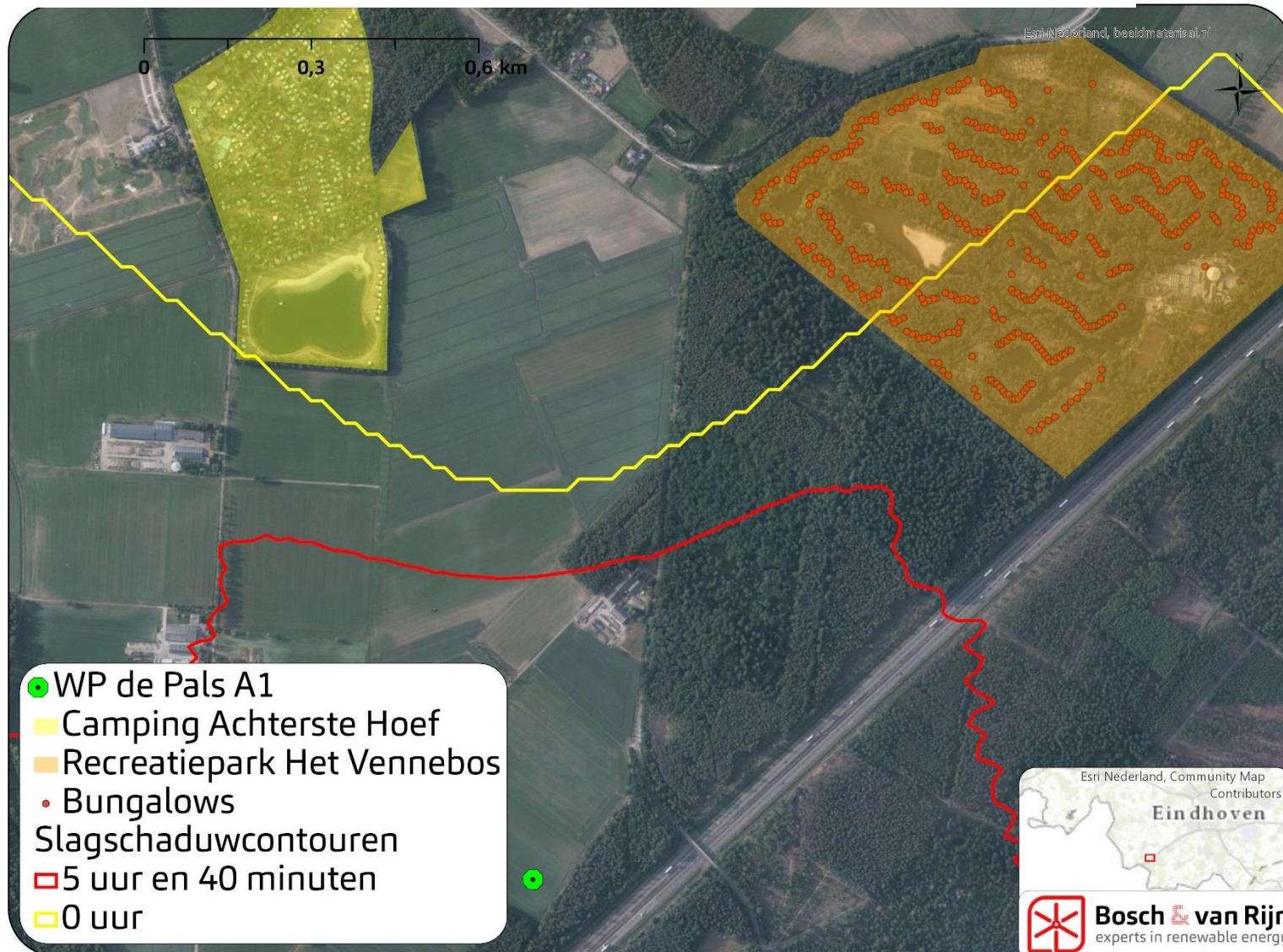
Figuur 28 Slagschaduwcontour Ondergrens met cumulatie



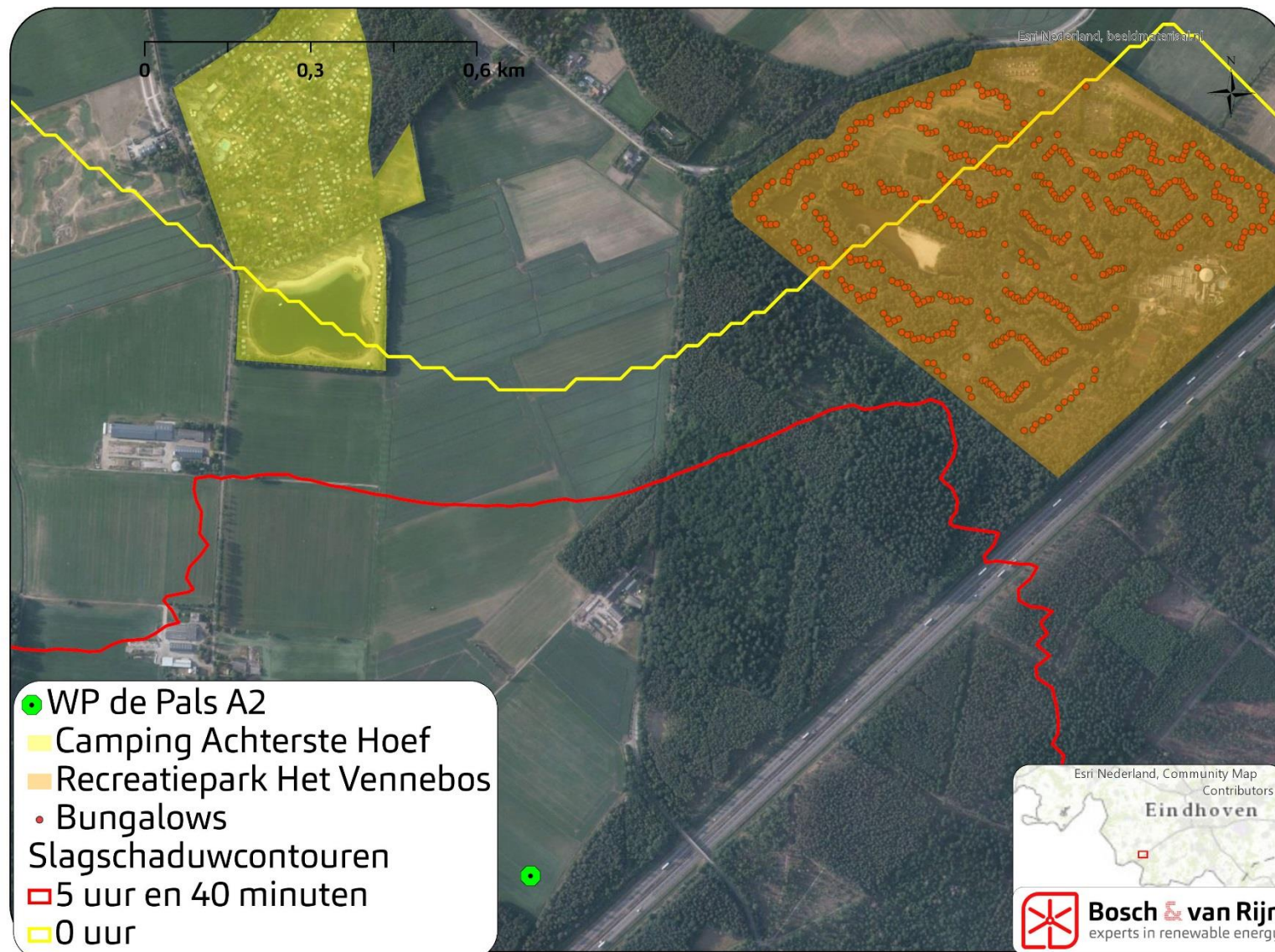
Figuur 29 Slagschaduwcontour Bovengrens met cumulatie



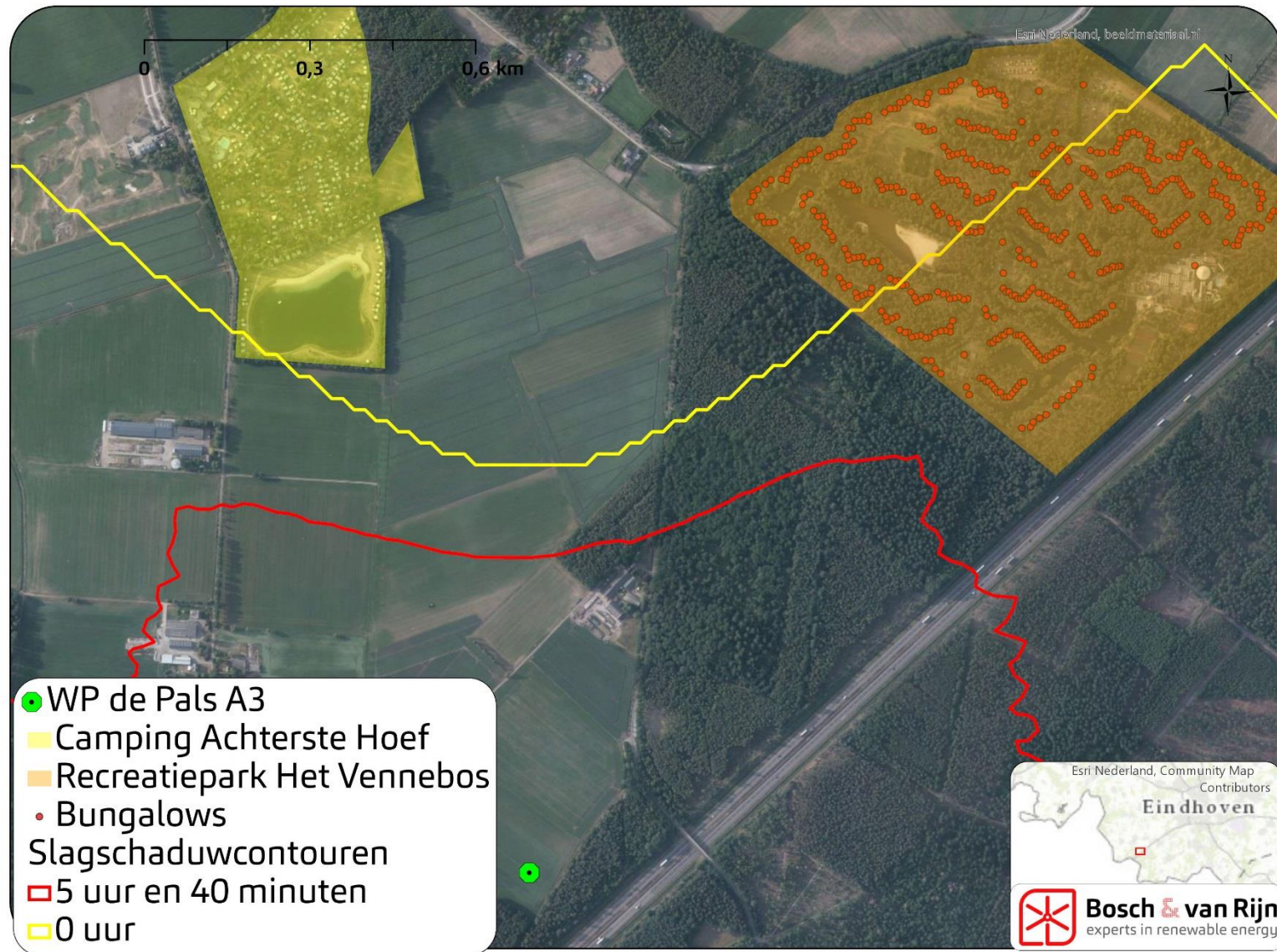
Figuur 30 Slagschaduwcontour alternatief 1 en de recreatieparken



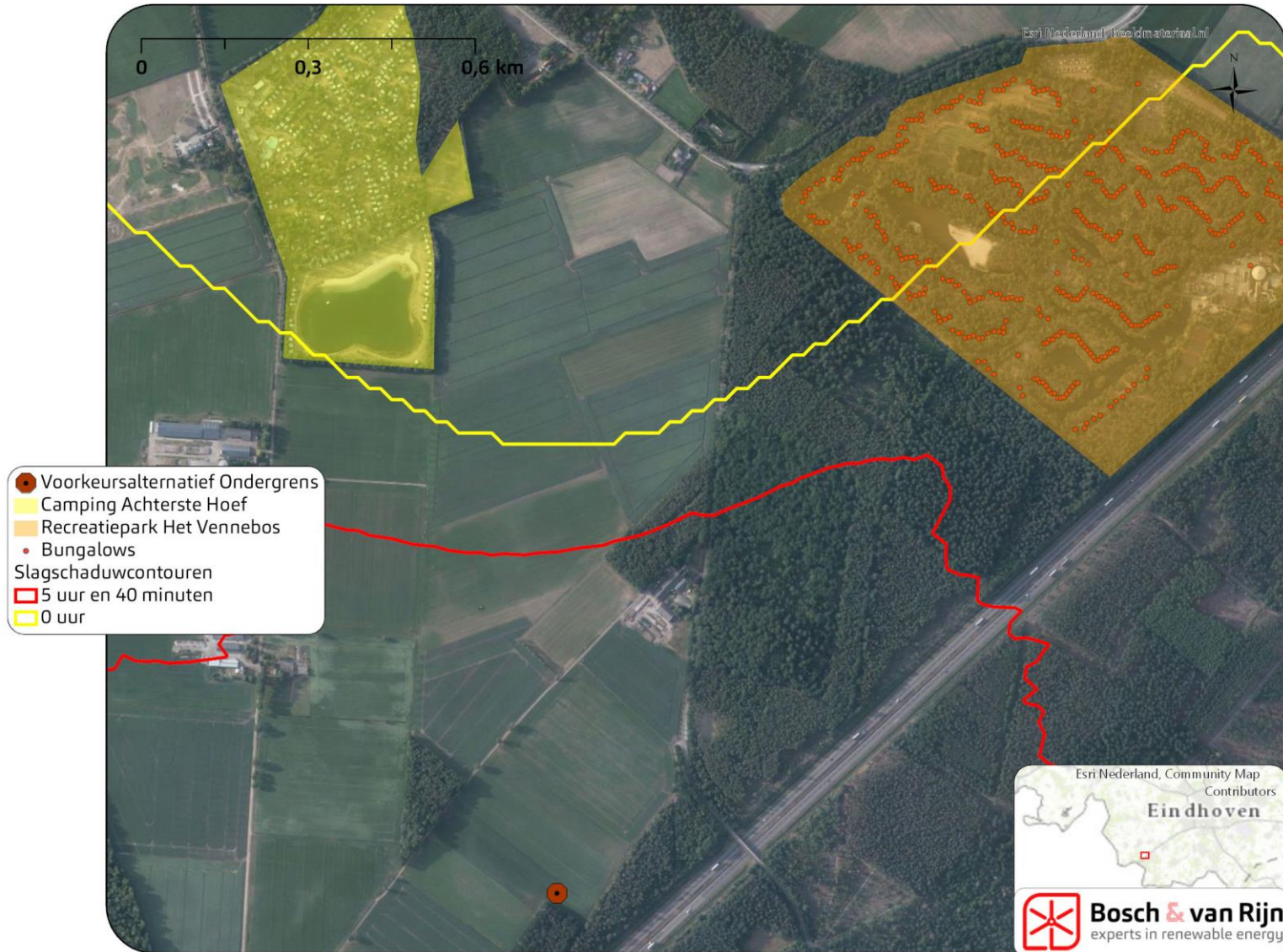
Figuur 31 Slagschaduwcontour alternatief 2 en de recreatieparken



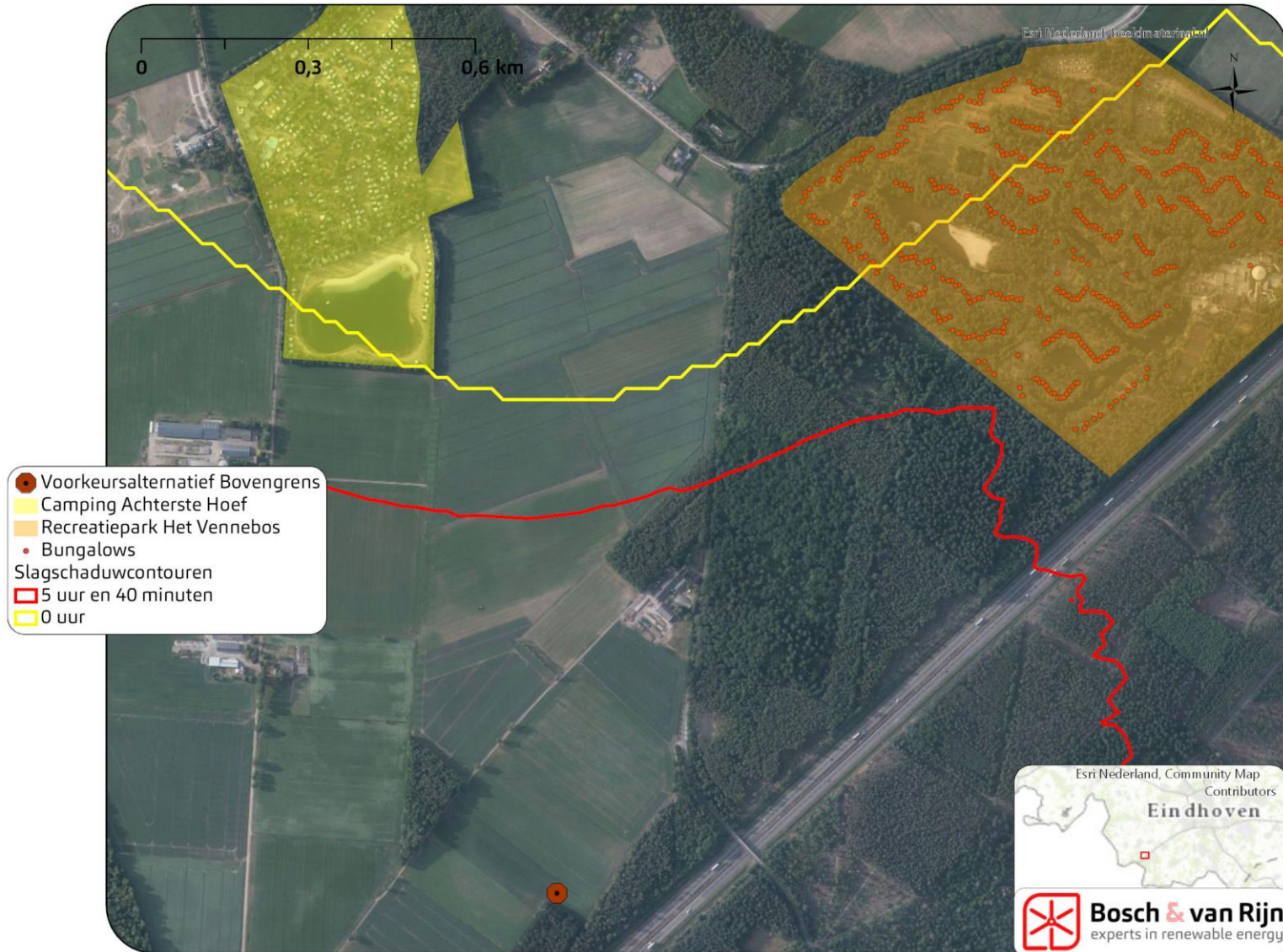
Figuur 32 Slagschaduwcontour Alternatief 3 en de recreatieparken



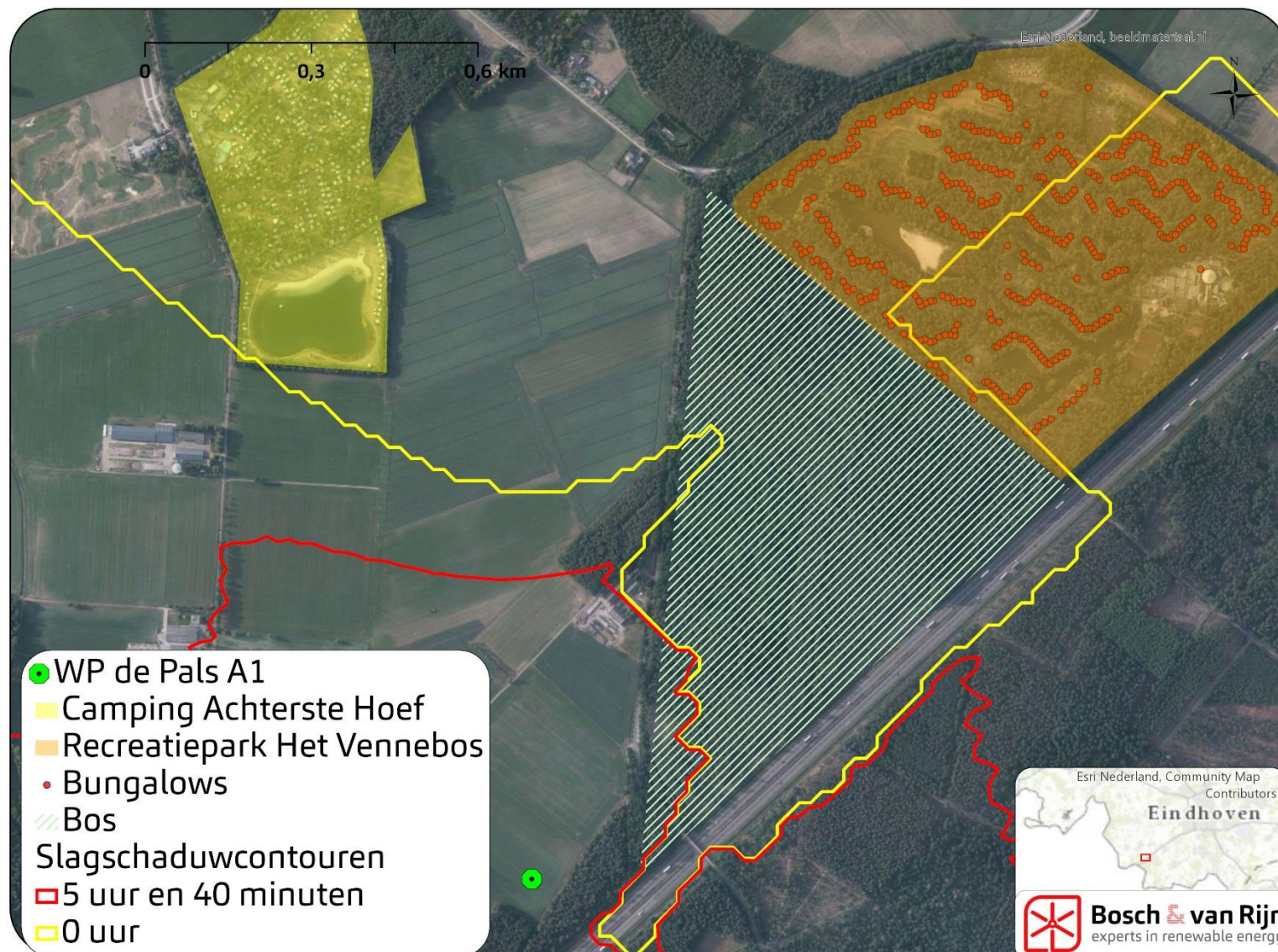
Figuur 33 Slagschaduwcontour Ondergrens en de recreatieparken



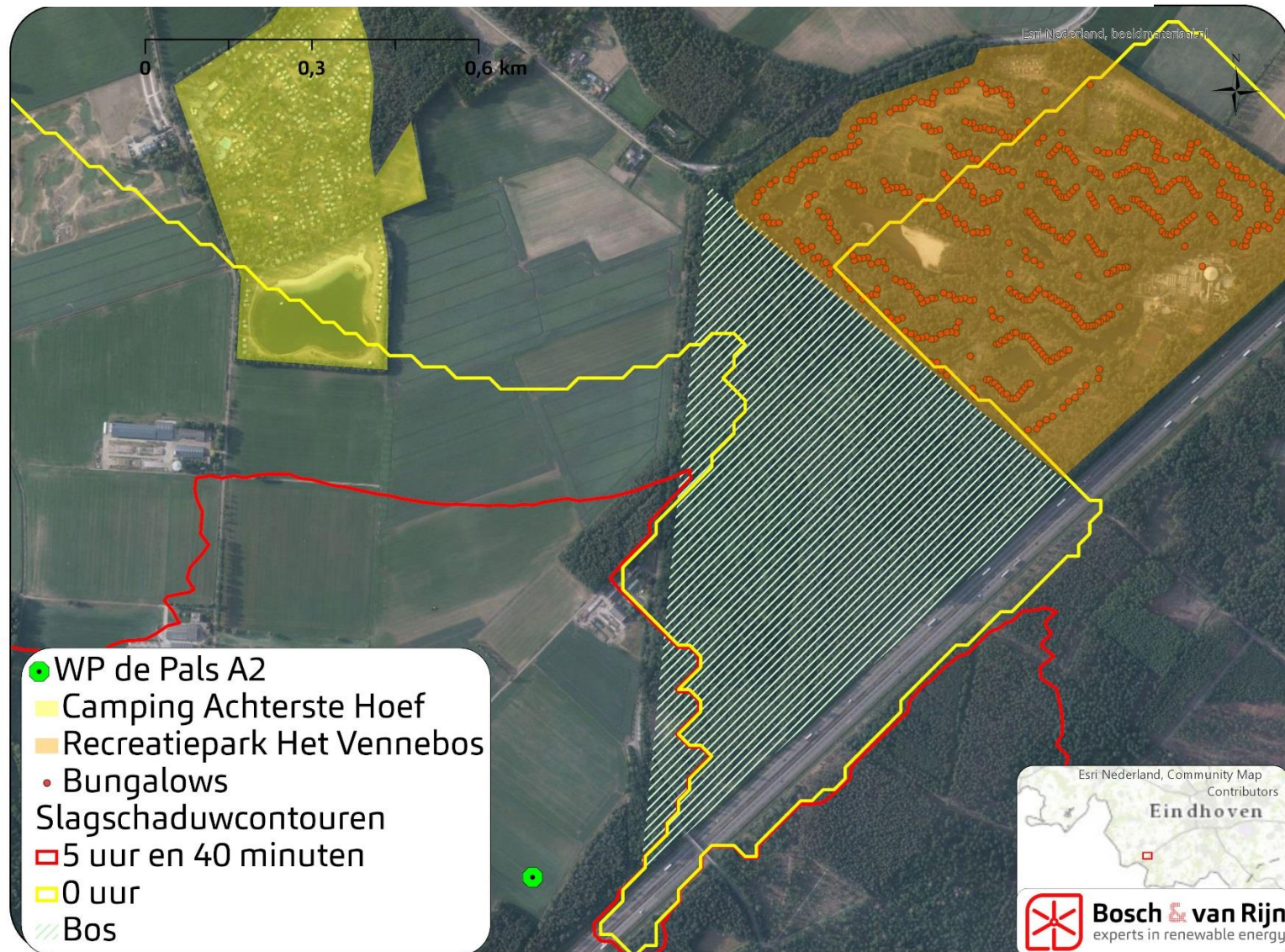
Figuur 34 Slagschaduwcontour Bovengrens en de recreatieparken



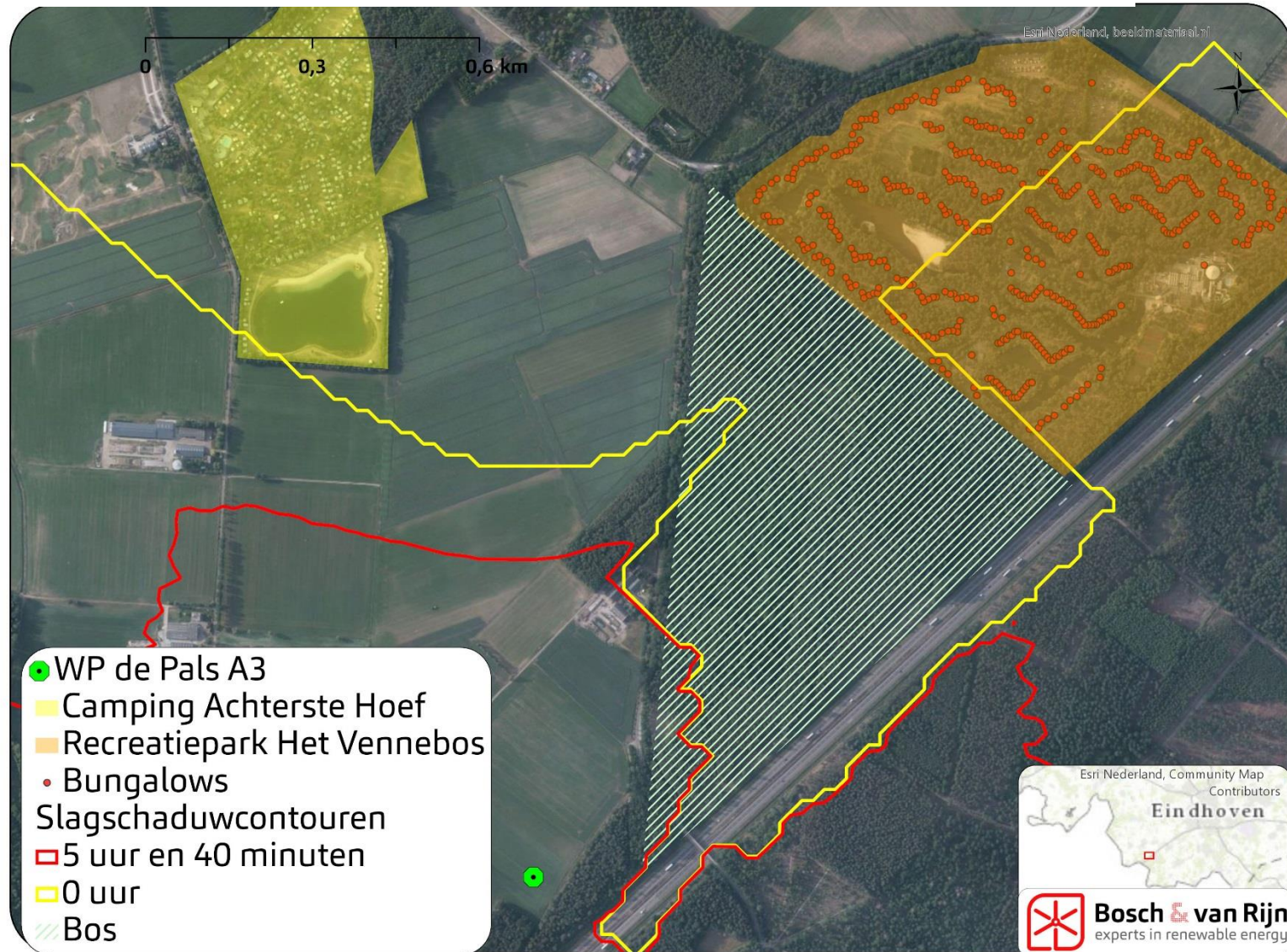
Figuur 35 Alternatief 1 in combinatie met de recreatieparken en het bos als object in de berekening



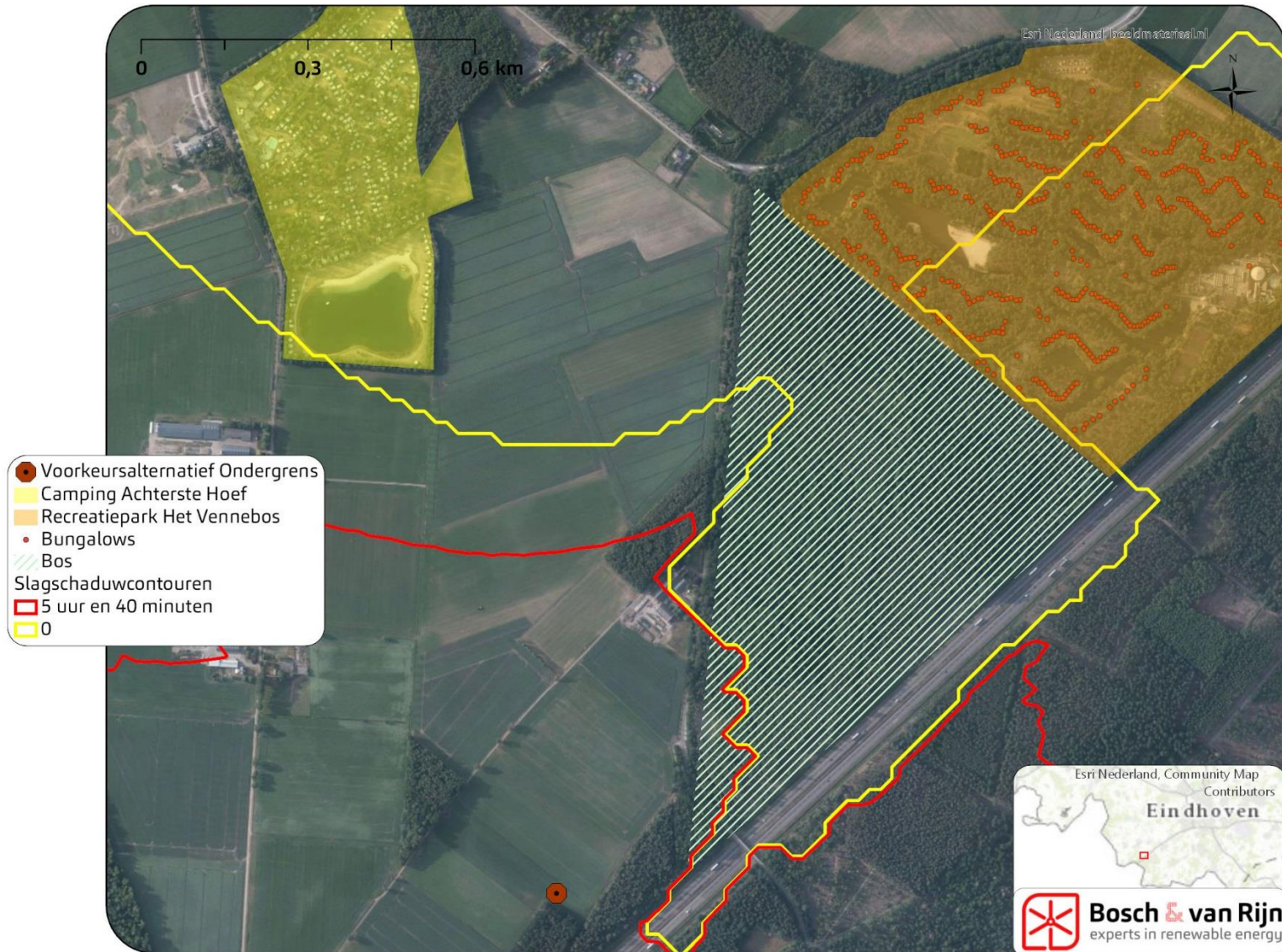
Figuur 36 Alternatief 2 in combinatie met de recreatieparken en het bos als object in de berekening



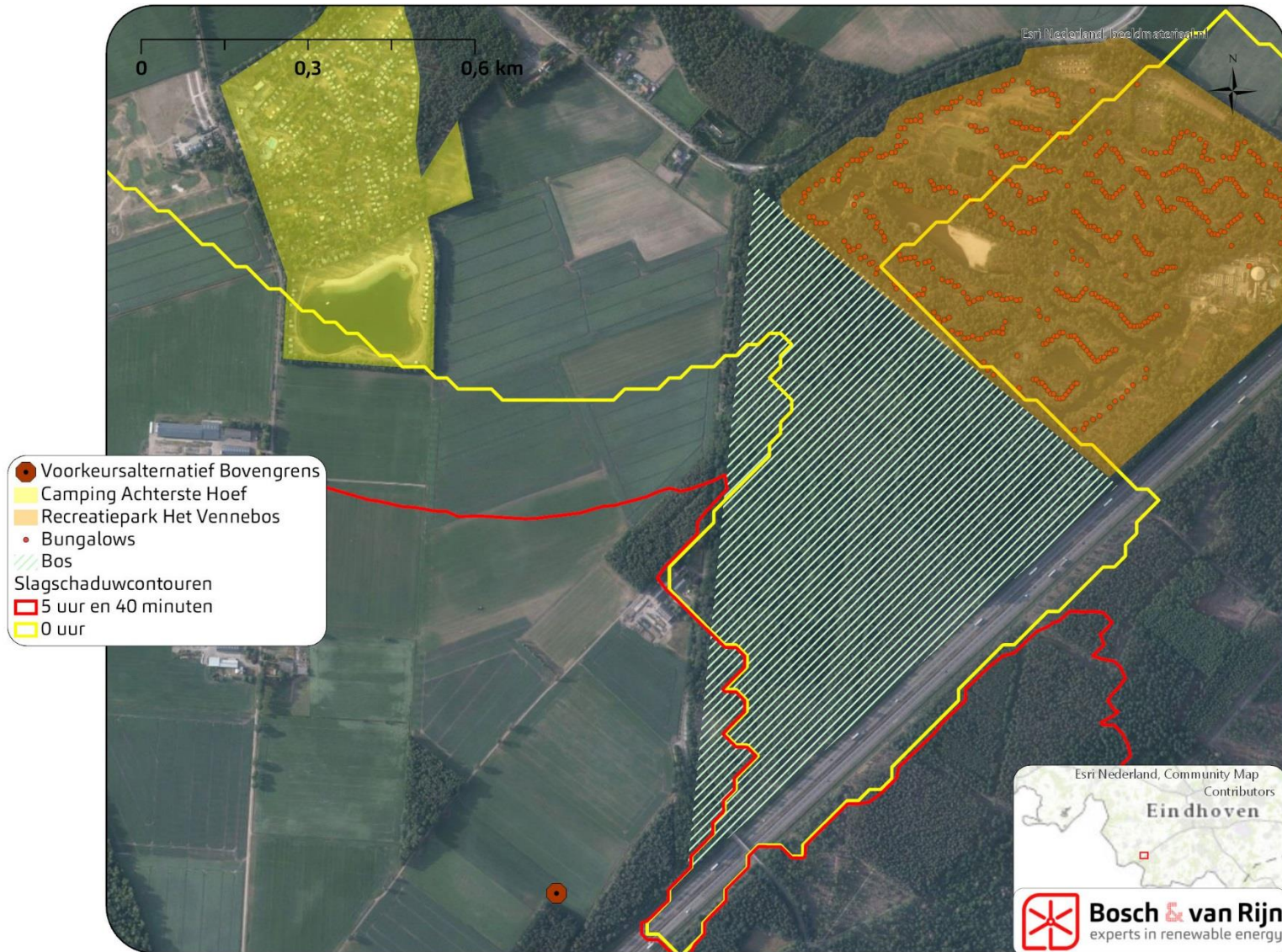
Figuur 37 Alternatief 3 in combinatie met de recreatieparken en het bos als object in de berekening



Figuur 38 Ondergrens in combinatie met de recreatieparken en het bos als object in de berekening



Figuur 39 Bovengrens in combinatie met de recreatieparken en het bos als object in de berekening



Bijlage C Uitdraai WindPRO

Bijgevoegde WindPRO uitdraaien geven per adres een waarde voor de slagschaduw per jaar voor de drie alternatieven. De adressen zijn aangegeven met een lettercode.

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



▲ New WTG

● Shadow receptor

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.814	370.226	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
2	143.381	370.515	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
3	144.008	370.872	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
4	144.498	371.343	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	cw [°]	[°]		[m]
A	Akkerweg 6 5531NT Bladel	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34 5531NC Bladel	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35 5531NC Bladel	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37 5531NC Bladel	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A 5531NC Bladel	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38 5531NC Bladel	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42 5531NC Bladel	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44 5531NC Bladel	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1 5527PA Hapert	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2 5527PA Hapert	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3 5531NV Bladel	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11 5531NV Bladel	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4 5531NA Bladel	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5 5531NA Bladel	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6 5531NA Bladel	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Troprijt 7 5531NA Bladel	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A 5531NA Bladel	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11 5531NA Bladel	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14 5531NA Bladel	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15 5531NA Bladel	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19 5531NA Bladel	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21 5531NA Bladel	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40 5531NC Bladel	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39 5531NC Bladel	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values	
		Shadow hours	per year [h/year]
A	Akkerweg 6 5531NT Bladel	0:00	0:00
B	Bredasebaan 34 5531NC Bladel	0:00	0:00
C	Bredasebaan 35 5531NC Bladel	0:00	0:00
D	Bredasebaan 37 5531NC Bladel	0:00	0:00
E	Bredasebaan 37A 5531NC Bladel	0:00	0:00
F	Bredasebaan 38 5531NC Bladel	0:00	0:00
G	Bredasebaan 42 5531NC Bladel	0:00	0:00
H	Bredasebaan 44 5531NC Bladel	0:00	0:00
I	De Pals 1 5527PA Hapert	8:29	8:29
J	De Pals 2 5527PA Hapert	10:44	10:44
K	Groot Terkooijen 3 5531NV Bladel	0:00	0:00
L	Groot Terkooijen 11 5531NV Bladel	0:00	0:00
M	Troprijt 4 5531NA Bladel	0:00	0:00
N	Troprijt 5 5531NA Bladel	0:00	0:00
O	Troprijt 6 5531NA Bladel	0:00	0:00
P	Troprijt 7 5531NA Bladel	0:00	0:00
Q	Troprijt 10A 5531NA Bladel	0:00	0:00
R	Troprijt 11 5531NA Bladel	0:00	0:00
S	Troprijt 14 5531NA Bladel	7:33	7:33
T	Troprijt 15 5531NA Bladel	3:44	3:44
U	Troprijt 19 5531NA Bladel	6:02	6:02
V	Troprijt 21 5531NA Bladel	6:34	6:34
W	Bredasebaan 40 5531NC Bladel	0:00	0:00
X	Bredasebaan 39 5531NC Bladel	0:00	0:00

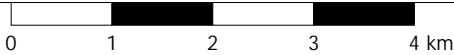
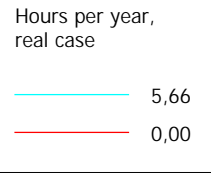
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name					Worst case	Expected
						[h/year]	[h/year]
1	SENVION 3.4M140 3400 140.0 !O!	hub: 120,0 m (TOT: 190,0 m) (458)				0:00	0:00
2	SENVION 3.4M140 3400 140.0 !O!	hub: 120,0 m (TOT: 190,0 m) (459)				13:10	1:19
3	SENVION 3.4M140 3400 140.0 !O!	hub: 120,0 m (TOT: 190,0 m) (460)				8:09	0:47
4	SENVION 3.4M140 3400 140.0 !O!	hub: 120,0 m (TOT: 190,0 m) (461)				192:36	23:35



Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 1



Map: OnlineMap_10_10,00_0 , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

 New WTG  Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Cumulatie
Assumptions for shadow calculations

Maximum distance for influence 1.920 m

All coordinates are in
Dutch Stereo-RD/NAP 2008



▲ New WTG

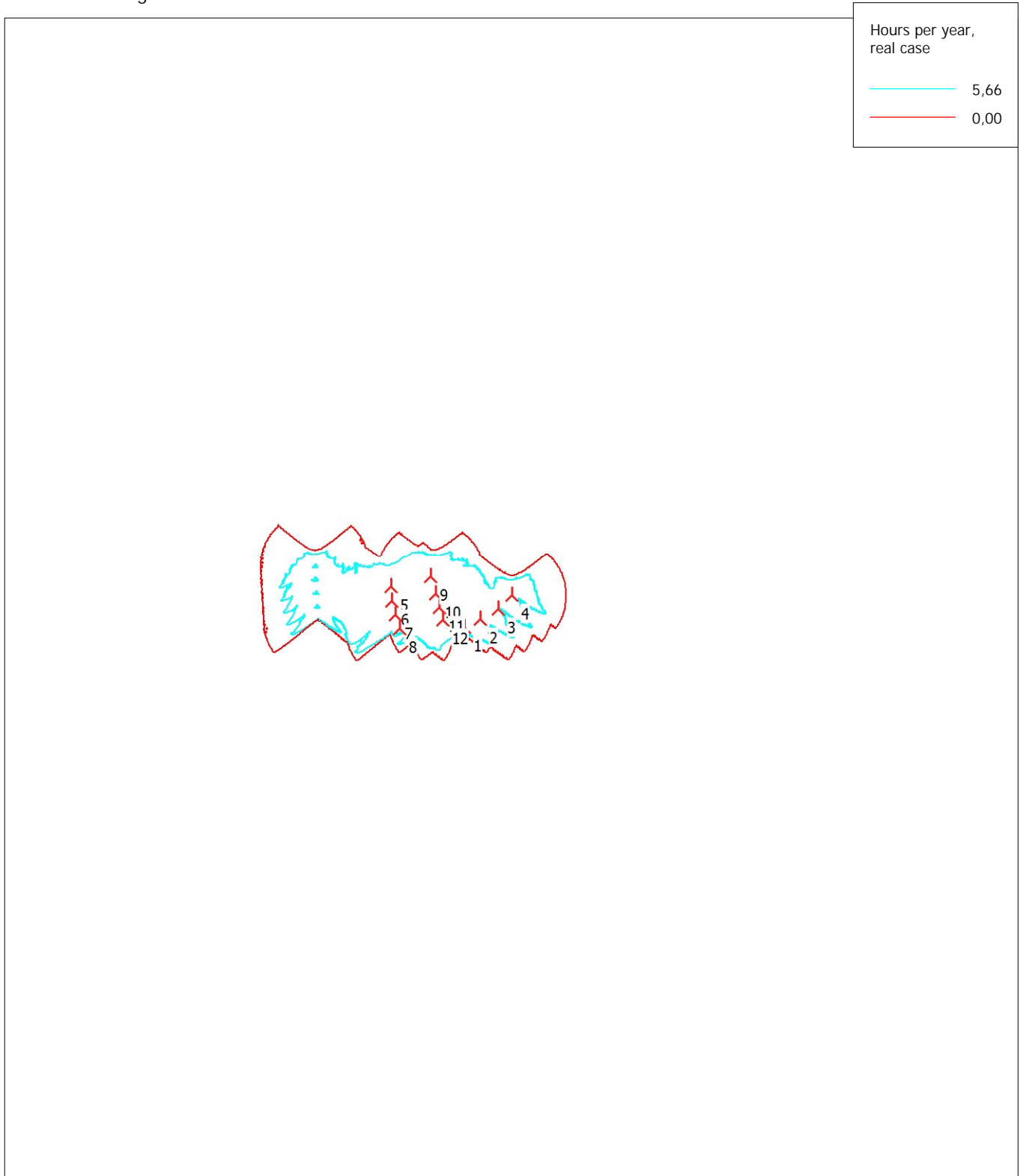
★ Existing WTG

WTGs

WTG	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.814	370.226	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 ...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
2	143.381	370.515	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 ...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
3	144.008	370.872	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 ...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
4	144.498	371.343	0,0	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 ...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
5	140.201	371.659	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
6	140.211	371.164	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
7	140.357	370.673	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
8	140.513	370.197	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
9	141.601	372.007	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
10	141.781	371.409	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
11	141.913	370.919	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
12	142.030	370.480	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
13	137.491	372.394	0,0	Laarakkerdijk 1	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
14	137.515	371.916	0,0	Laarakkerdijk 2	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
15	137.538	371.438	0,0	Laarakkerdijk 3	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
16	137.561	370.961	0,0	Laarakkerdijk 4	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
17	137.585	370.483	0,0	Laarakkerdijk 5	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9

SHADOW - Map

Calculation: Slagschaduw Alternatief 1 - Cumulatie



0 2,5 5 7,5 10km

Map: Blank map , Print scale 1:200.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG

Flicker map level: 0 m above sea level

SHADOW - Main Result

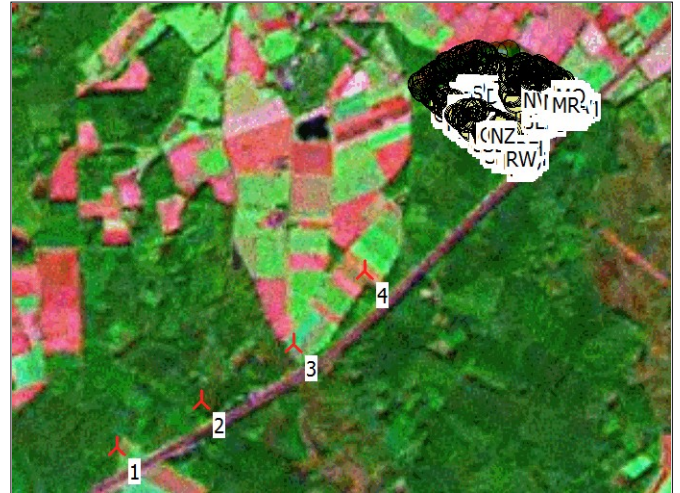
Calculation: Slagschaduw Alternatief 1 - Bungaluwpark
Assumptions for shadow calculations

Maximum distance for influence 1.920 m
Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,51 2,65 3,12 4,87 6,15 5,31 5,98 5,61 4,34 3,29 2,18 1,10

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
473 547 527 593 464 444 729 1.274 1.330 812 634 588 8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:50.000
New WTG Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.814	370.226	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
2	143.381	370.515	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
3	144.008	370.872	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
4	144.498	371.343	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
FC	Vennenbos 259	5527JK Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
KA	Vennenbos 525	5527JK Hapert	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	5527JK Hapert	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	5527JK Hapert	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	5527JK Hapert	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	5527JK Hapert	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	5527JK Hapert	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	5527JK Hapert	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	5527JK Hapert	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	5527JK Hapert	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	5527JK Hapert	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	5527JK Hapert	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	5527JK Hapert	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	5527JK Hapert	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	5527JK Hapert	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	5527JK Hapert	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	5527JK Hapert	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	5527JK Hapert	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	5527JK Hapert	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	5527JK Hapert	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	5527JK Hapert	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	5527JK Hapert	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	5527JK Hapert	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	Hapert	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	5527JK Hapert	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	5527JK Hapert	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	5527JK Hapert	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	5527JK Hapert	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	5527JK Hapert	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	5527JK Hapert	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	5527JK Hapert	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	5527JK Hapert	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	5527JK Hapert	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	5527JK Hapert	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	5527JK Hapert	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	5527JK Hapert	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	5527JK Hapert	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	5527JK Hapert	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	5527JK Hapert	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	5527JK Hapert	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	5527JK Hapert	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	5527JK Hapert	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	5527JK Hapert	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	5527JK Hapert	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	5527JK Hapert	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	5527JK Hapert	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	5527JK Hapert	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	5527JK Hapert	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	5527JK Hapert	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	5527JK Hapert	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	5527JK Hapert	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	5527JK Hapert	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	5527JK Hapert	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	5527JK Hapert	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	5527JK Hapert	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	5527JK Hapert	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	5527JK Hapert	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	5527JK Hapert	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	5527JK Hapert	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	5527JK Hapert	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	5527JK Hapert	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	5527JK Hapert	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	5527JK Hapert	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	5527JK Hapert	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	5527JK Hapert	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
OY	Vennenbos 727	5527JK Hapert	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	5527JK Hapert	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	5527JK Hapert	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	5527JK Hapert	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	5527JK Hapert	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	5527JK Hapert	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	5527JK Hapert	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	5527JK Hapert	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	5527JK Hapert	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	5527JK Hapert	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	5527JK Hapert	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	5527JK Hapert	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	5527JK Hapert	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	5527JK Hapert	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	5527JK Hapert	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	5527JK Hapert	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	5527JK Hapert	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	5527JK Hapert	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	5527JK Hapert	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	5527JK Hapert	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	5527JK Hapert	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	5527JK Hapert	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	5527JK Hapert	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	5527JK Hapert	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	5527JK Hapert	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	5527JK Hapert	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	5527JK Hapert	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	5527JK Hapert	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	5527JK Hapert	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	5527JK Hapert	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	5527JK Hapert	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	5527JK Hapert	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	5527JK Hapert	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	5527JK Hapert	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	5527JK Hapert	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	5527JK Hapert	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	5527JK Hapert	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	5527JK Hapert	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	5527JK Hapert	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	5527JK Hapert	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	5527JK Hapert	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	5527JK Hapert	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	5527JK Hapert	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	5527JK Hapert	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	5527JK Hapert	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	5527JK Hapert	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	5527JK Hapert	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	5527JK Hapert	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	5527JK Hapert	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	5527JK Hapert	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	5527JK Hapert	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	5527JK Hapert	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	5527JK Hapert	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	5527JK Hapert	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	5527JK Hapert	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	5527JK Hapert	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	5527JK Hapert	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	5527JK Hapert	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	5527JK Hapert	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	5527JK Hapert	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	5527JK Hapert	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	5527JK Hapert	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	5527JK Hapert	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	5527JK Hapert	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungalowpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	1:40
D	Vennenbos 1B 5527JK Hapert	2:24
E	Vennenbos 1C 5527JK Hapert	1:10
F	Vennenbos 1D 5527JK Hapert	2:54
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:28
I	Vennenbos 2 5527JK Hapert	0:01
J	Vennenbos 3 5527JK Hapert	0:08
K	Vennenbos 4 5527JK Hapert	0:12
L	Vennenbos 5 5527JK Hapert	0:18
M	Vennenbos 6 5527JK Hapert	0:22
N	Vennenbos 7 5527JK Hapert	0:18
O	Vennenbos 8 5527JK Hapert	0:16
P	Vennenbos 9 5527JK Hapert	0:11
Q	Vennenbos 10 5527JK Hapert	0:15
R	Vennenbos 11 5527JK Hapert	0:12
S	Vennenbos 12 5527JK Hapert	0:15
T	Vennenbos 13 5527JK Hapert	0:21
U	Vennenbos 14 5527JK Hapert	0:31
V	Vennenbos 15 5527JK Hapert	0:39
W	Vennenbos 16 5527JK Hapert	0:40
X	Vennenbos 17 5527JK Hapert	0:45
Y	Vennenbos 18 5527JK Hapert	0:49
Z	Vennenbos 19 5527JK Hapert	0:54
AA	Vennenbos 20 5527JK Hapert	0:58
AB	Vennenbos 21 5527JK Hapert	1:01
AC	Vennenbos 22 5527JK Hapert	1:06
AD	Vennenbos 23 5527JK Hapert	1:09
AE	Vennenbos 24 5527JK Hapert	1:05
AF	Vennenbos 25 5527JK Hapert	1:03
AG	Vennenbos 26 5527JK Hapert	0:59
AH	Vennenbos 27 5527JK Hapert	1:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:00
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:00
EI	Vennenbos 239 5527JK Hapert	0:00
EJ	Vennenbos 240 5527JK Hapert	0:00
EK	Vennenbos 241 5527JK Hapert	0:00
EL	Vennenbos 242 5527JK Hapert	0:00
EM	Vennenbos 243 5527JK Hapert	0:00
EN	Vennenbos 244 5527JK Hapert	0:00
EO	Vennenbos 245 5527JK Hapert	0:00
EP	Vennenbos 246 5527JK Hapert	0:00
EQ	Vennenbos 247 5527JK Hapert	0:00
ER	Vennenbos 248 5527JK Hapert	0:00
ES	Vennenbos 249 5527JK Hapert	0:00
ET	Vennenbos 250 5527JK Hapert	0:00
EU	Vennenbos 251 5527JK Hapert	0:00
EV	Vennenbos 252 5527JK Hapert	0:00
EW	Vennenbos 253 5527JK Hapert	0:09
EX	Vennenbos 254 5527JK Hapert	0:14
EY	Vennenbos 255 5527JK Hapert	0:20
EZ	Vennenbos 256 5527JK Hapert	0:22
FA	Vennenbos 257 5527JK Hapert	0:25
FB	Vennenbos 258 5527JK Hapert	0:24
FC	Vennenbos 259 5527JK Hapert	0:22
FD	Vennenbos 260 5527JK Hapert	0:22
FE	Vennenbos 261 5527JK Hapert	0:09
FF	Vennenbos 262 5527JK Hapert	0:11
FG	Vennenbos 263 5527JK Hapert	0:19
FH	Vennenbos 264 5527JK Hapert	0:25
FI	Vennenbos 265 5527JK Hapert	0:31
FJ	Vennenbos 266 5527JK Hapert	0:38
FK	Vennenbos 267 5527JK Hapert	0:41
FL	Vennenbos 268 5527JK Hapert	0:43
FM	Vennenbos 269 5527JK Hapert	0:49
FN	Vennenbos 270 5527JK Hapert	0:52
FO	Vennenbos 271 5527JK Hapert	1:03
FP	Vennenbos 272 5527JK Hapert	1:05
FQ	Vennenbos 273 5527JK Hapert	1:11
FR	Vennenbos 274 5527JK Hapert	1:14
FS	Vennenbos 275 5527JK Hapert	1:12
FT	Vennenbos 276 5527JK Hapert	1:10
FU	Vennenbos 277 5527JK Hapert	0:00
FV	Vennenbos 278 5527JK Hapert	0:00
FW	Vennenbos 279 5527JK Hapert	0:00
FX	Vennenbos 280 5527JK Hapert	0:00
FY	Vennenbos 281 5527JK Hapert	0:00
FZ	Vennenbos 282 5527JK Hapert	0:00
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:00
GL	Vennenbos 302 5527JK Hapert	0:00
GM	Vennenbos 303 5527JK Hapert	0:00
GN	Vennenbos 304 5527JK Hapert	0:00
GO	Vennenbos 305 5527JK Hapert	0:00
GP	Vennenbos 306 5527JK Hapert	0:00
GQ	Vennenbos 307 5527JK Hapert	0:00
GR	Vennenbos 308 5527JK Hapert	0:00
GS	Vennenbos 309 5527JK Hapert	0:00
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	0:55
HO	Vennenbos 401T Hapert	0:29
HP	Vennenbos 402 5527JK Hapert	1:05
HQ	Vennenbos 403 5527JK Hapert	1:13
HR	Vennenbos 404 5527JK Hapert	1:23
HS	Vennenbos 405 5527JK Hapert	1:30
HT	Vennenbos 406 5527JK Hapert	1:38
HU	Vennenbos 407 5527JK Hapert	1:40
HV	Vennenbos 408 5527JK Hapert	1:48
HW	Vennenbos 409 5527JK Hapert	1:50
HX	Vennenbos 410 5527JK Hapert	1:57
HY	Vennenbos 411 5527JK Hapert	2:00
HZ	Vennenbos 412 5527JK Hapert	2:02
IA	Vennenbos 413 5527JK Hapert	1:59
IB	Vennenbos 414 5527JK Hapert	1:55
IC	Vennenbos 415 5527JK Hapert	1:53
ID	Vennenbos 416 5527JK Hapert	2:04
IE	Vennenbos 417 5527JK Hapert	2:30
IF	Vennenbos 418 5527JK Hapert	2:30
IG	Vennenbos 419 5527JK Hapert	2:32
IH	Vennenbos 420 5527JK Hapert	2:33
II	Vennenbos 421 5527JK Hapert	2:36
IJ	Vennenbos 422 5527JK Hapert	2:36
IK	Vennenbos 423 5527JK Hapert	2:38
IL	Vennenbos 424 5527JK Hapert	2:41
IM	Vennenbos 425 5527JK Hapert	2:41
IN	Vennenbos 426 5527JK Hapert	2:42
IO	Vennenbos 427 5527JK Hapert	2:43
IP	Vennenbos 428 5527JK Hapert	2:42
IQ	Vennenbos 429 5527JK Hapert	2:42

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	2:40
IS	Vennenbos 431 5527JK Hapert	2:34
IT	Vennenbos 432 5527JK Hapert	2:34
IU	Vennenbos 433 5527JK Hapert	2:30
IV	Vennenbos 434 5527JK Hapert	2:28
IW	Vennenbos 435 5527JK Hapert	2:23
IX	Vennenbos 436 5527JK Hapert	2:21
IY	Vennenbos 437 5527JK Hapert	2:14
IZ	Vennenbos 438 5527JK Hapert	2:13
JA	Vennenbos 439 5527JK Hapert	2:07
JB	Vennenbos 440 5527JK Hapert	2:04
JC	Vennenbos 501 5527JK Hapert	2:11
JD	Vennenbos 502 5527JK Hapert	2:11
JE	Vennenbos 503 5527JK Hapert	2:12
JF	Vennenbos 504 5527JK Hapert	2:11
JG	Vennenbos 505 5527JK Hapert	2:13
JH	Vennenbos 506 5527JK Hapert	2:12
JI	Vennenbos 507 5527JK Hapert	2:14
JJ	Vennenbos 508 5527JK Hapert	2:13
JK	Vennenbos 509 5527JK Hapert	1:54
JL	Vennenbos 510 5527JK Hapert	1:53
JM	Vennenbos 511 5527JK Hapert	1:51
JN	Vennenbos 512 5527JK Hapert	1:44
JO	Vennenbos 513 5527JK Hapert	1:38
JP	Vennenbos 514 5527JK Hapert	1:32
JQ	Vennenbos 515 5527JK Hapert	1:25
JR	Vennenbos 516 5527JK Hapert	0:58
JS	Vennenbos 517 5527JK Hapert	0:51
JT	Vennenbos 518 5527JK Hapert	0:46
JU	Vennenbos 519 5527JK Hapert	0:40
JV	Vennenbos 520 5527JK Hapert	1:00
JW	Vennenbos 521 5527JK Hapert	1:06
JX	Vennenbos 522 5527JK Hapert	1:11
JY	Vennenbos 523 5527JK Hapert	1:16
JZ	Vennenbos 524 5527JK Hapert	1:19
KA	Vennenbos 525 5527JK Hapert	1:18
KB	Vennenbos 526 5527JK Hapert	1:20
KC	Vennenbos 527 5527JK Hapert	1:14
KD	Vennenbos 528 5527JK Hapert	1:17
KE	Vennenbos 529 5527JK Hapert	1:19
KF	Vennenbos 530 5527JK Hapert	1:25
KG	Vennenbos 531 5527JK Hapert	1:26
KH	Vennenbos 532 5527JK Hapert	1:31
KI	Vennenbos 533 5527JK Hapert	1:34
KJ	Vennenbos 534 5527JK Hapert	1:39
KK	Vennenbos 535 5527JK Hapert	1:41
KL	Vennenbos 536 5527JK Hapert	1:44
KM	Vennenbos 537 5527JK Hapert	1:45
KN	Vennenbos 538 5527JK Hapert	1:48
KO	Vennenbos 539 5527JK Hapert	1:53
KP	Vennenbos 540 5527JK Hapert	1:55
KQ	Vennenbos 541 5527JK Hapert	1:53
KR	Vennenbos 542 5527JK Hapert	1:54
KS	Vennenbos 543 5527JK Hapert	1:53
KT	Vennenbos 544 5527JK Hapert	1:52
KU	Vennenbos 545 5527JK Hapert	1:50
KV	Vennenbos 546 5527JK Hapert	1:49
KW	Vennenbos 547T Hapert	1:54
KX	Vennenbos 901 5527JK Hapert	1:42
KY	Vennenbos 902 5527JK Hapert	1:42
KZ	Vennenbos 903 5527JK Hapert	1:41
LA	Vennenbos 601 5527JK Hapert	1:27
LB	Vennenbos 602 5527JK Hapert	1:24

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:22
LD	Vennenbos 604 5527JK Hapert	1:21
LE	Vennenbos 605 5527JK Hapert	1:22
LF	Vennenbos 606 5527JK Hapert	1:22
LG	Vennenbos 607 5527JK Hapert	1:19
LH	Vennenbos 608 5527JK Hapert	1:19
LI	Vennenbos 609 5527JK Hapert	1:17
LJ	Vennenbos 610 5527JK Hapert	1:15
LK	Vennenbos 611 5527JK Hapert	1:12
LL	Vennenbos 612 5527JK Hapert	1:13
LM	Vennenbos 613 5527JK Hapert	1:11
LN	Vennenbos 614 5527JK Hapert	1:10
LO	Vennenbos 615 5527JK Hapert	1:09
LP	Vennenbos 616 5527JK Hapert	1:10
LQ	Vennenbos 617 5527JK Hapert	1:23
LR	Vennenbos 618 5527JK Hapert	1:22
LS	Vennenbos 619 5527JK Hapert	1:20
LT	Vennenbos 620 5527JK Hapert	1:18
LU	Vennenbos 621 5527JK Hapert	1:19
LV	Vennenbos 622 5527JK Hapert	1:17
LW	Vennenbos 623 5527JK Hapert	1:33
LX	Vennenbos 624 5527JK Hapert	1:30
LY	Vennenbos 625 5527JK Hapert	1:32
LZ	Vennenbos 626 5527JK Hapert	1:34
MA	Vennenbos 627 5527JK Hapert	1:34
MB	Vennenbos 628 5527JK Hapert	1:35
MC	Vennenbos 629 5527JK Hapert	1:36
MD	Vennenbos 630 5527JK Hapert	1:37
ME	Vennenbos 631 5527JK Hapert	1:35
MF	Vennenbos 632 5527JK Hapert	1:33
MG	Vennenbos 633 5527JK Hapert	1:26
MH	Vennenbos 634 5527JK Hapert	1:28
MI	Vennenbos 635 5527JK Hapert	1:28
MJ	Vennenbos 636 5527JK Hapert	1:30
MK	Vennenbos 637 5527JK Hapert	1:30
ML	Vennenbos 638 5527JK Hapert	1:29
MM	Vennenbos 639 5527JK Hapert	1:11
MN	Vennenbos 640 5527JK Hapert	1:15
MO	Vennenbos 641 5527JK Hapert	1:20
MP	Vennenbos 642 5527JK Hapert	1:23
MQ	Vennenbos 643 5527JK Hapert	1:24
MR	Vennenbos 644 5527JK Hapert	1:38
MS	Vennenbos 645 5527JK Hapert	1:37
MT	Vennenbos 646 5527JK Hapert	1:36
MU	Vennenbos 647 5527JK Hapert	1:33
MV	Vennenbos 648 5527JK Hapert	1:29
MW	Vennenbos 649 5527JK Hapert	1:27
MX	Vennenbos 650 5527JK Hapert	1:25
MY	Vennenbos 651 5527JK Hapert	1:23
MZ	Vennenbos 652 5527JK Hapert	1:22
NA	Vennenbos 653 5527JK Hapert	1:23
NB	Vennenbos 654 5527JK Hapert	1:24
NC	Vennenbos 655 5527JK Hapert	1:26
ND	Vennenbos 656 5527JK Hapert	1:24
NE	Vennenbos 657 5527JK Hapert	1:21
NF	Vennenbos 658 5527JK Hapert	1:13
NG	Vennenbos 659 5527JK Hapert	1:08
NH	Vennenbos 660 5527JK Hapert	1:03
NI	Vennenbos 661 5527JK Hapert	0:58
NJ	Vennenbos 662 5527JK Hapert	0:55
NK	Vennenbos 663 5527JK Hapert	0:53
NL	Vennenbos 664 5527JK Hapert	0:46
NM	Vennenbos 665 5527JK Hapert	0:44

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	0:45
NO	Vennenbos 667 5527JK Hapert	0:43
NP	Vennenbos 668 5527JK Hapert	0:44
NQ	Vennenbos 669 5527JK Hapert	0:41
NR	Vennenbos 670 5527JK Hapert	0:42
NS	Vennenbos 671 5527JK Hapert	0:39
NT	Vennenbos 672 5527JK Hapert	0:31
NU	Vennenbos 673 5527JK Hapert	0:25
NV	Vennenbos 674 5527JK Hapert	0:22
NW	Vennenbos 675 5527JK Hapert	0:16
NX	Vennenbos 676 5527JK Hapert	0:14
NY	Vennenbos 701 5527JK Hapert	1:14
NZ	Vennenbos 702 5527JK Hapert	1:11
OA	Vennenbos 703 5527JK Hapert	1:03
OB	Vennenbos 704 5527JK Hapert	1:01
OC	Vennenbos 705 5527JK Hapert	0:57
OD	Vennenbos 706 5527JK Hapert	0:47
OE	Vennenbos 707 5527JK Hapert	0:44
OF	Vennenbos 708 5527JK Hapert	0:35
OG	Vennenbos 709 5527JK Hapert	0:35
OH	Vennenbos 710 5527JK Hapert	0:30
OI	Vennenbos 711 5527JK Hapert	0:29
OJ	Vennenbos 712 5527JK Hapert	0:27
OK	Vennenbos 713 5527JK Hapert	0:20
OL	Vennenbos 714 5527JK Hapert	0:08
OM	Vennenbos 715 5527JK Hapert	0:00
ON	Vennenbos 716 5527JK Hapert	0:00
OO	Vennenbos 717 5527JK Hapert	0:00
OP	Vennenbos 718 5527JK Hapert	0:00
OQ	Vennenbos 719 5527JK Hapert	0:00
OR	Vennenbos 720 5527JK Hapert	0:00
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:00
QC	Vennenbos 757 5527JK Hapert	0:00
QD	Vennenbos 758 5527JK Hapert	0:00
QE	Vennenbos 759 5527JK Hapert	0:00
QF	Vennenbos 760 5527JK Hapert	0:00
QG	Vennenbos 761 5527JK Hapert	0:00
QH	Vennenbos 801 5527JK Hapert	1:44
QI	Vennenbos 802 5527JK Hapert	1:57
QJ	Vennenbos 803 5527JK Hapert	2:06
QK	Vennenbos 804 5527JK Hapert	2:39
QL	Vennenbos 805 5527JK Hapert	2:42
QM	Vennenbos 806 5527JK Hapert	2:38
QN	Vennenbos 807 5527JK Hapert	2:39
QO	Vennenbos 808 5527JK Hapert	2:37
QP	Vennenbos 809 5527JK Hapert	2:37
QQ	Vennenbos 810 5527JK Hapert	2:35
QR	Vennenbos 811 5527JK Hapert	2:36
QS	Vennenbos 812 5527JK Hapert	2:45
QT	Vennenbos 813 5527JK Hapert	2:47
QU	Vennenbos 814 5527JK Hapert	2:49
QV	Vennenbos 815 5527JK Hapert	2:55
QW	Vennenbos 816 5527JK Hapert	2:59
QX	Vennenbos 817 5527JK Hapert	3:02
QY	Vennenbos 818 5527JK Hapert	3:05
QZ	Vennenbos 819 5527JK Hapert	3:07
RA	Vennenbos 820 5527JK Hapert	3:06
RB	Vennenbos 821 5527JK Hapert	3:08
RC	Vennenbos 822 5527JK Hapert	3:07
RD	Vennenbos 823 5527JK Hapert	3:04
RE	Vennenbos 824 5527JK Hapert	3:03
RF	Vennenbos 825 5527JK Hapert	3:02
RG	Vennenbos 826 5527JK Hapert	3:00
RH	Vennenbos 827 5527JK Hapert	2:57
RI	Vennenbos 828 5527JK Hapert	2:55
RJ	Vennenbos 829 5527JK Hapert	3:33
RK	Vennenbos 830 5527JK Hapert	3:34
RL	Vennenbos 831 5527JK Hapert	3:37
RM	Vennenbos 832 5527JK Hapert	3:35
RN	Vennenbos 833 5527JK Hapert	3:38
RO	Vennenbos 834 5527JK Hapert	3:39
RP	Vennenbos 835 5527JK Hapert	3:41
RQ	Vennenbos 836 5527JK Hapert	3:40
RR	Vennenbos 837 5527JK Hapert	3:40
RS	Vennenbos 838 5527JK Hapert	3:38
RT	Vennenbos 839 5527JK Hapert	3:36
RU	Vennenbos 840 5527JK Hapert	3:33
RV	Vennenbos 841 5527JK Hapert	3:31
RW	Vennenbos 842 5527JK Hapert	3:27
RX	Vennenbos 843 5527JK Hapert	3:25
RY	Vennenbos 844 5527JK Hapert	3:24
RZ	Vennenbos 845 5527JK Hapert	1:32
SA	Vennenbos 846 5527JK Hapert	1:39
SB	Vennenbos 847 5527JK Hapert	2:01
SC	Vennenbos 848 5527JK Hapert	1:55
SD	Vennenbos 849 5527JK Hapert	1:49
SE	Vennenbos 850 5527JK Hapert	1:46
SF	Vennenbos 851 5527JK Hapert	1:47
SG	Vennenbos 852 5527JK Hapert	1:43
SH	Vennenbos 853 5527JK Hapert	1:28
SI	Vennenbos 854 5527JK Hapert	1:25

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
SJ	Vennenbos 855 5527JK Hapert	1:19
SK	Vennenbos 856 5527JK Hapert	1:07
SL	Vennenbos 857 5527JK Hapert	1:05
SM	Vennenbos 858 5527JK Hapert	0:54
SN	Vennenbos 859 5527JK Hapert	0:28
SO	Vennenbos 860 5527JK Hapert	0:27
SP	Vennenbos 861 5527JK Hapert	0:26
SQ	Vennenbos 862 5527JK Hapert	0:17
SR	Vennenbos 863 5527JK Hapert	0:04
SS	Vennenbos 864 5527JK Hapert	2:31
ST	Vennenbos 865 5527JK Hapert	2:38
SU	Vennenbos 866 5527JK Hapert	2:56
SV	Vennenbos 867 5527JK Hapert	3:09
SW	Vennenbos 868 5527JK Hapert	3:42
SX	Vennenbos 869 5527JK Hapert	3:50
SY	Vennenbos 870 5527JK Hapert	3:21
SZ	Vennenbos 871 5527JK Hapert	3:11
TA	Vennenbos 872 5527JK Hapert	3:09
TB	Vennenbos 873 5527JK Hapert	3:02
TC	Vennenbos 874 5527JK Hapert	2:56
TD	Vennenbos 875 5527JK Hapert	2:48
TE	Vennenbos 876 5527JK Hapert	2:45
TF	Vennenbos 877 5527JK Hapert	2:39
TG	Vennenbos 878 5527JK Hapert	2:36
TH	Vennenbos 879 5527JK Hapert	2:33
TI	Vennenbos 880 5527JK Hapert	2:24
TJ	Vennenbos 881 5527JK Hapert	2:27
TK	Vennenbos 1T Hapert	0:00
TL	Vennenbos 208 5527JK Hapert	0:00
TM	Vennenbos 547 5527JK Hapert	1:48
TN	Vennenbos 548 5527JK Hapert	1:47
TO	Vennenbos 549 5527JK Hapert	1:46

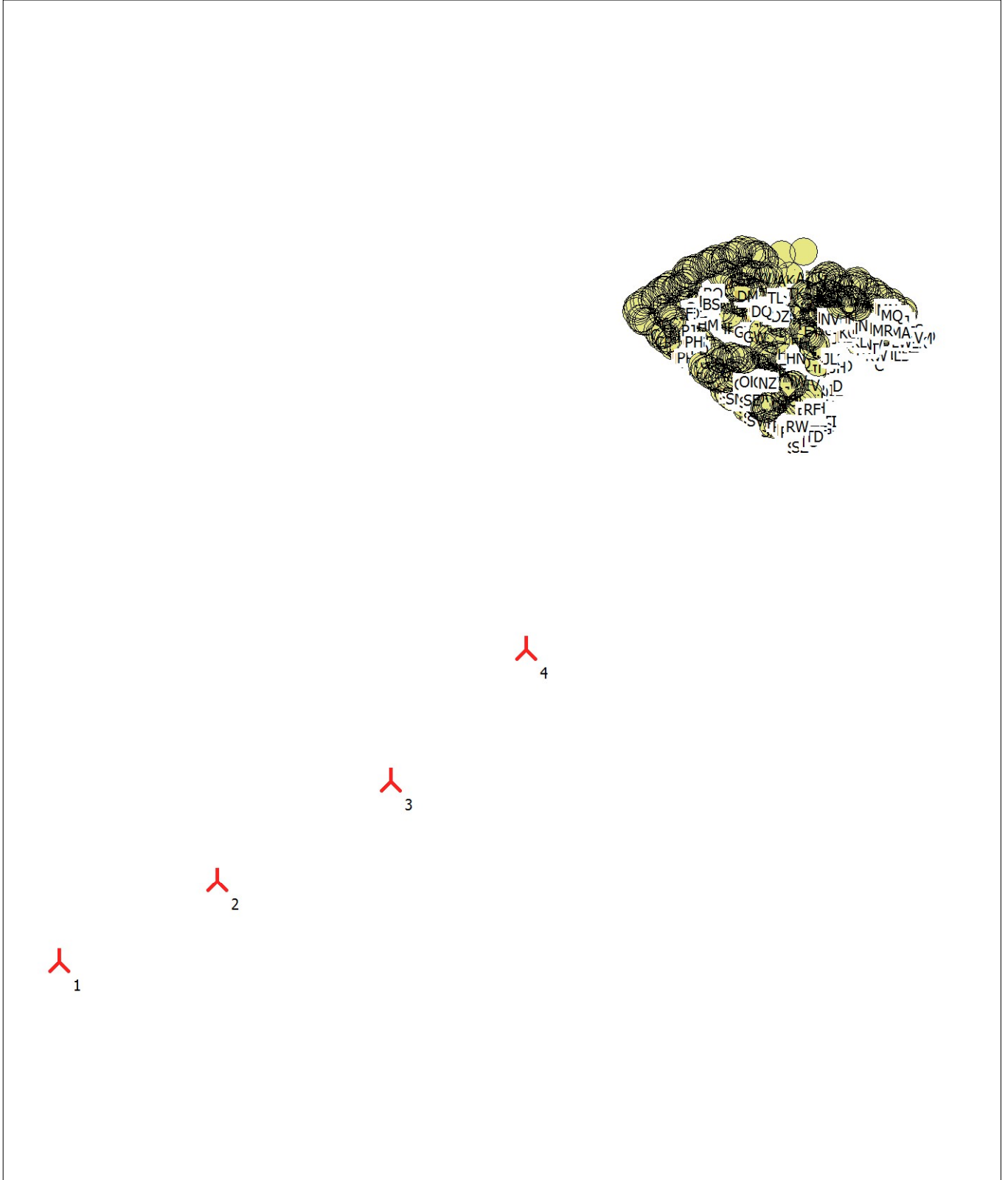
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (458)	0:00	0:00
2	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (459)	0:00	0:00
3	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (460)	23:59	2:38
4	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (461)	73:01	8:36

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map


Calculation: Slagschaduw Alternatief 1 - Bungalowpark



0 250 500 750 1000m

Map: Blank map , Print scale 1:20.000, Map center Dutch Stereo-RD/NAP 2008 East: 144.338 North: 371.502

 New WTG

 Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

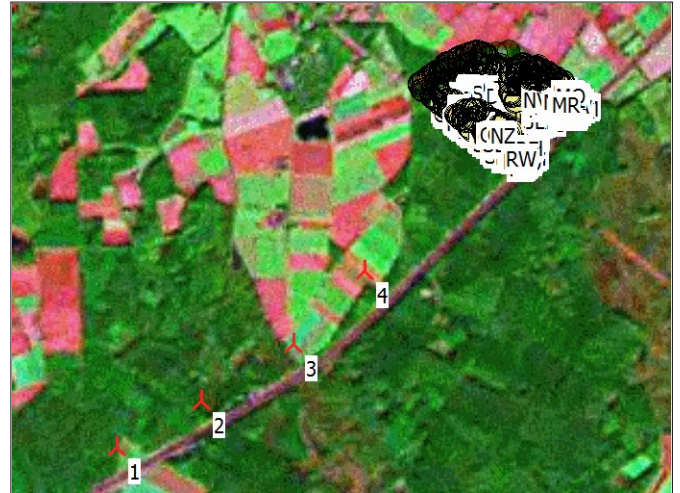
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000
 New WTG Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.814	370.226	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
2	143.381	370.515	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
3	144.008	370.872	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0
4	144.498	371.343	0,0 SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (T...	Yes	SENVION	3.4M140-3.400	3.400	140,0	120,0	0,0

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height	
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]	
							[m]	[°]	[°]		a.g.l.	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
FC	Vennenbos 259	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
				[m]	[m]	[m]	a.g.l. [m]	south cw [°]	window [°]		(ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		a.g.l.
OY	Vennenbos 727	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	1:40
D	Vennenbos 1B 5527JK Hapert	2:24
E	Vennenbos 1C 5527JK Hapert	1:10
F	Vennenbos 1D 5527JK Hapert	2:54
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:28
I	Vennenbos 2 5527JK Hapert	0:01
J	Vennenbos 3 5527JK Hapert	0:08
K	Vennenbos 4 5527JK Hapert	0:12
L	Vennenbos 5 5527JK Hapert	0:18
M	Vennenbos 6 5527JK Hapert	0:22
N	Vennenbos 7 5527JK Hapert	0:18
O	Vennenbos 8 5527JK Hapert	0:16
P	Vennenbos 9 5527JK Hapert	0:11
Q	Vennenbos 10 5527JK Hapert	0:15
R	Vennenbos 11 5527JK Hapert	0:12
S	Vennenbos 12 5527JK Hapert	0:15
T	Vennenbos 13 5527JK Hapert	0:21
U	Vennenbos 14 5527JK Hapert	0:31
V	Vennenbos 15 5527JK Hapert	0:39
W	Vennenbos 16 5527JK Hapert	0:40
X	Vennenbos 17 5527JK Hapert	0:45
Y	Vennenbos 18 5527JK Hapert	0:49
Z	Vennenbos 19 5527JK Hapert	0:54
AA	Vennenbos 20 5527JK Hapert	0:58
AB	Vennenbos 21 5527JK Hapert	1:01
AC	Vennenbos 22 5527JK Hapert	1:06
AD	Vennenbos 23 5527JK Hapert	1:09
AE	Vennenbos 24 5527JK Hapert	1:05
AF	Vennenbos 25 5527JK Hapert	1:03
AG	Vennenbos 26 5527JK Hapert	0:59
AH	Vennenbos 27 5527JK Hapert	1:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:00
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:00
EI	Vennenbos 239 5527JK Hapert	0:00
EJ	Vennenbos 240 5527JK Hapert	0:00
EK	Vennenbos 241 5527JK Hapert	0:00
EL	Vennenbos 242 5527JK Hapert	0:00
EM	Vennenbos 243 5527JK Hapert	0:00
EN	Vennenbos 244 5527JK Hapert	0:00
EO	Vennenbos 245 5527JK Hapert	0:00
EP	Vennenbos 246 5527JK Hapert	0:00
EQ	Vennenbos 247 5527JK Hapert	0:00
ER	Vennenbos 248 5527JK Hapert	0:00
ES	Vennenbos 249 5527JK Hapert	0:00
ET	Vennenbos 250 5527JK Hapert	0:00
EU	Vennenbos 251 5527JK Hapert	0:00
EV	Vennenbos 252 5527JK Hapert	0:00
EW	Vennenbos 253 5527JK Hapert	0:09
EX	Vennenbos 254 5527JK Hapert	0:14
EY	Vennenbos 255 5527JK Hapert	0:20
EZ	Vennenbos 256 5527JK Hapert	0:22
FA	Vennenbos 257 5527JK Hapert	0:25
FB	Vennenbos 258 5527JK Hapert	0:24
FC	Vennenbos 259 5527JK Hapert	0:22
FD	Vennenbos 260 5527JK Hapert	0:22
FE	Vennenbos 261 5527JK Hapert	0:09
FF	Vennenbos 262 5527JK Hapert	0:11
FG	Vennenbos 263 5527JK Hapert	0:19
FH	Vennenbos 264 5527JK Hapert	0:25
FI	Vennenbos 265 5527JK Hapert	0:31
FJ	Vennenbos 266 5527JK Hapert	0:38
FK	Vennenbos 267 5527JK Hapert	0:41
FL	Vennenbos 268 5527JK Hapert	0:43
FM	Vennenbos 269 5527JK Hapert	0:49
FN	Vennenbos 270 5527JK Hapert	0:52
FO	Vennenbos 271 5527JK Hapert	1:03
FP	Vennenbos 272 5527JK Hapert	1:05
FQ	Vennenbos 273 5527JK Hapert	1:11
FR	Vennenbos 274 5527JK Hapert	1:14
FS	Vennenbos 275 5527JK Hapert	1:12
FT	Vennenbos 276 5527JK Hapert	1:10
FU	Vennenbos 277 5527JK Hapert	0:00
FV	Vennenbos 278 5527JK Hapert	0:00
FW	Vennenbos 279 5527JK Hapert	0:00
FX	Vennenbos 280 5527JK Hapert	0:00
FY	Vennenbos 281 5527JK Hapert	0:00
FZ	Vennenbos 282 5527JK Hapert	0:00
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:00
GL	Vennenbos 302 5527JK Hapert	0:00
GM	Vennenbos 303 5527JK Hapert	0:00
GN	Vennenbos 304 5527JK Hapert	0:00
GO	Vennenbos 305 5527JK Hapert	0:00
GP	Vennenbos 306 5527JK Hapert	0:00
GQ	Vennenbos 307 5527JK Hapert	0:00
GR	Vennenbos 308 5527JK Hapert	0:00
GS	Vennenbos 309 5527JK Hapert	0:00
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	0:55
HO	Vennenbos 401T Hapert	0:29
HP	Vennenbos 402 5527JK Hapert	1:05
HQ	Vennenbos 403 5527JK Hapert	1:13
HR	Vennenbos 404 5527JK Hapert	1:23
HS	Vennenbos 405 5527JK Hapert	1:30
HT	Vennenbos 406 5527JK Hapert	1:38
HU	Vennenbos 407 5527JK Hapert	1:40
HV	Vennenbos 408 5527JK Hapert	1:48
HW	Vennenbos 409 5527JK Hapert	1:50
HX	Vennenbos 410 5527JK Hapert	1:57
HY	Vennenbos 411 5527JK Hapert	2:00
HZ	Vennenbos 412 5527JK Hapert	2:02
IA	Vennenbos 413 5527JK Hapert	1:59
IB	Vennenbos 414 5527JK Hapert	1:55
IC	Vennenbos 415 5527JK Hapert	1:53
ID	Vennenbos 416 5527JK Hapert	2:04
IE	Vennenbos 417 5527JK Hapert	2:30
IF	Vennenbos 418 5527JK Hapert	2:30
IG	Vennenbos 419 5527JK Hapert	2:32
IH	Vennenbos 420 5527JK Hapert	2:33
II	Vennenbos 421 5527JK Hapert	2:36
IJ	Vennenbos 422 5527JK Hapert	2:36
IK	Vennenbos 423 5527JK Hapert	2:38
IL	Vennenbos 424 5527JK Hapert	2:41
IM	Vennenbos 425 5527JK Hapert	2:41
IN	Vennenbos 426 5527JK Hapert	2:42
IO	Vennenbos 427 5527JK Hapert	2:43
IP	Vennenbos 428 5527JK Hapert	2:42
IQ	Vennenbos 429 5527JK Hapert	2:42

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	2:40
IS	Vennenbos 431 5527JK Hapert	2:34
IT	Vennenbos 432 5527JK Hapert	2:34
IU	Vennenbos 433 5527JK Hapert	2:30
IV	Vennenbos 434 5527JK Hapert	2:28
IW	Vennenbos 435 5527JK Hapert	2:23
IX	Vennenbos 436 5527JK Hapert	2:21
IY	Vennenbos 437 5527JK Hapert	2:14
IZ	Vennenbos 438 5527JK Hapert	2:13
JA	Vennenbos 439 5527JK Hapert	2:07
JB	Vennenbos 440 5527JK Hapert	2:04
JC	Vennenbos 501 5527JK Hapert	2:11
JD	Vennenbos 502 5527JK Hapert	2:11
JE	Vennenbos 503 5527JK Hapert	2:12
JF	Vennenbos 504 5527JK Hapert	2:11
JG	Vennenbos 505 5527JK Hapert	2:13
JH	Vennenbos 506 5527JK Hapert	2:12
JI	Vennenbos 507 5527JK Hapert	2:14
JJ	Vennenbos 508 5527JK Hapert	2:13
JK	Vennenbos 509 5527JK Hapert	1:54
JL	Vennenbos 510 5527JK Hapert	1:53
JM	Vennenbos 511 5527JK Hapert	1:51
JN	Vennenbos 512 5527JK Hapert	1:44
JO	Vennenbos 513 5527JK Hapert	1:38
JP	Vennenbos 514 5527JK Hapert	1:32
JQ	Vennenbos 515 5527JK Hapert	1:25
JR	Vennenbos 516 5527JK Hapert	0:58
JS	Vennenbos 517 5527JK Hapert	0:51
JT	Vennenbos 518 5527JK Hapert	0:46
JU	Vennenbos 519 5527JK Hapert	0:40
JV	Vennenbos 520 5527JK Hapert	1:00
JW	Vennenbos 521 5527JK Hapert	1:06
JX	Vennenbos 522 5527JK Hapert	1:11
JY	Vennenbos 523 5527JK Hapert	1:16
JZ	Vennenbos 524 5527JK Hapert	1:19
KA	Vennenbos 525 5527JK Hapert	1:18
KB	Vennenbos 526 5527JK Hapert	1:20
KC	Vennenbos 527 5527JK Hapert	1:14
KD	Vennenbos 528 5527JK Hapert	1:17
KE	Vennenbos 529 5527JK Hapert	1:19
KF	Vennenbos 530 5527JK Hapert	1:25
KG	Vennenbos 531 5527JK Hapert	1:26
KH	Vennenbos 532 5527JK Hapert	1:31
KI	Vennenbos 533 5527JK Hapert	1:34
KJ	Vennenbos 534 5527JK Hapert	1:39
KK	Vennenbos 535 5527JK Hapert	1:41
KL	Vennenbos 536 5527JK Hapert	1:44
KM	Vennenbos 537 5527JK Hapert	1:45
KN	Vennenbos 538 5527JK Hapert	1:48
KO	Vennenbos 539 5527JK Hapert	1:53
KP	Vennenbos 540 5527JK Hapert	1:55
KQ	Vennenbos 541 5527JK Hapert	1:53
KR	Vennenbos 542 5527JK Hapert	1:54
KS	Vennenbos 543 5527JK Hapert	1:53
KT	Vennenbos 544 5527JK Hapert	1:52
KU	Vennenbos 545 5527JK Hapert	1:50
KV	Vennenbos 546 5527JK Hapert	1:49
KW	Vennenbos 547T Hapert	1:54
KX	Vennenbos 901 5527JK Hapert	1:42
KY	Vennenbos 902 5527JK Hapert	1:42
KZ	Vennenbos 903 5527JK Hapert	1:41
LA	Vennenbos 601 5527JK Hapert	1:27
LB	Vennenbos 602 5527JK Hapert	1:24

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:22
LD	Vennenbos 604 5527JK Hapert	1:21
LE	Vennenbos 605 5527JK Hapert	1:22
LF	Vennenbos 606 5527JK Hapert	1:22
LG	Vennenbos 607 5527JK Hapert	1:19
LH	Vennenbos 608 5527JK Hapert	1:19
LI	Vennenbos 609 5527JK Hapert	1:17
LJ	Vennenbos 610 5527JK Hapert	1:15
LK	Vennenbos 611 5527JK Hapert	1:12
LL	Vennenbos 612 5527JK Hapert	1:13
LM	Vennenbos 613 5527JK Hapert	1:11
LN	Vennenbos 614 5527JK Hapert	1:10
LO	Vennenbos 615 5527JK Hapert	1:09
LP	Vennenbos 616 5527JK Hapert	1:10
LQ	Vennenbos 617 5527JK Hapert	1:23
LR	Vennenbos 618 5527JK Hapert	1:22
LS	Vennenbos 619 5527JK Hapert	1:20
LT	Vennenbos 620 5527JK Hapert	1:18
LU	Vennenbos 621 5527JK Hapert	1:19
LV	Vennenbos 622 5527JK Hapert	1:17
LW	Vennenbos 623 5527JK Hapert	1:33
LX	Vennenbos 624 5527JK Hapert	1:30
LY	Vennenbos 625 5527JK Hapert	1:32
LZ	Vennenbos 626 5527JK Hapert	1:34
MA	Vennenbos 627 5527JK Hapert	1:34
MB	Vennenbos 628 5527JK Hapert	1:35
MC	Vennenbos 629 5527JK Hapert	1:36
MD	Vennenbos 630 5527JK Hapert	1:37
ME	Vennenbos 631 5527JK Hapert	1:35
MF	Vennenbos 632 5527JK Hapert	1:33
MG	Vennenbos 633 5527JK Hapert	1:26
MH	Vennenbos 634 5527JK Hapert	1:28
MI	Vennenbos 635 5527JK Hapert	1:28
MJ	Vennenbos 636 5527JK Hapert	1:30
MK	Vennenbos 637 5527JK Hapert	1:30
ML	Vennenbos 638 5527JK Hapert	1:29
MM	Vennenbos 639 5527JK Hapert	1:11
MN	Vennenbos 640 5527JK Hapert	1:15
MO	Vennenbos 641 5527JK Hapert	1:20
MP	Vennenbos 642 5527JK Hapert	1:23
MQ	Vennenbos 643 5527JK Hapert	1:24
MR	Vennenbos 644 5527JK Hapert	1:38
MS	Vennenbos 645 5527JK Hapert	1:37
MT	Vennenbos 646 5527JK Hapert	1:36
MU	Vennenbos 647 5527JK Hapert	1:33
MV	Vennenbos 648 5527JK Hapert	1:29
MW	Vennenbos 649 5527JK Hapert	1:27
MX	Vennenbos 650 5527JK Hapert	1:25
MY	Vennenbos 651 5527JK Hapert	1:23
MZ	Vennenbos 652 5527JK Hapert	1:22
NA	Vennenbos 653 5527JK Hapert	1:23
NB	Vennenbos 654 5527JK Hapert	1:24
NC	Vennenbos 655 5527JK Hapert	1:26
ND	Vennenbos 656 5527JK Hapert	1:24
NE	Vennenbos 657 5527JK Hapert	1:21
NF	Vennenbos 658 5527JK Hapert	1:13
NG	Vennenbos 659 5527JK Hapert	1:08
NH	Vennenbos 660 5527JK Hapert	1:03
NI	Vennenbos 661 5527JK Hapert	0:58
NJ	Vennenbos 662 5527JK Hapert	0:55
NK	Vennenbos 663 5527JK Hapert	0:53
NL	Vennenbos 664 5527JK Hapert	0:46
NM	Vennenbos 665 5527JK Hapert	0:44

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	0:45
NO	Vennenbos 667 5527JK Hapert	0:43
NP	Vennenbos 668 5527JK Hapert	0:44
NQ	Vennenbos 669 5527JK Hapert	0:41
NR	Vennenbos 670 5527JK Hapert	0:42
NS	Vennenbos 671 5527JK Hapert	0:39
NT	Vennenbos 672 5527JK Hapert	0:31
NU	Vennenbos 673 5527JK Hapert	0:25
NV	Vennenbos 674 5527JK Hapert	0:22
NW	Vennenbos 675 5527JK Hapert	0:16
NX	Vennenbos 676 5527JK Hapert	0:14
NY	Vennenbos 701 5527JK Hapert	1:14
NZ	Vennenbos 702 5527JK Hapert	1:11
OA	Vennenbos 703 5527JK Hapert	1:03
OB	Vennenbos 704 5527JK Hapert	1:01
OC	Vennenbos 705 5527JK Hapert	0:57
OD	Vennenbos 706 5527JK Hapert	0:47
OE	Vennenbos 707 5527JK Hapert	0:44
OF	Vennenbos 708 5527JK Hapert	0:35
OG	Vennenbos 709 5527JK Hapert	0:35
OH	Vennenbos 710 5527JK Hapert	0:30
OI	Vennenbos 711 5527JK Hapert	0:29
OJ	Vennenbos 712 5527JK Hapert	0:27
OK	Vennenbos 713 5527JK Hapert	0:20
OL	Vennenbos 714 5527JK Hapert	0:08
OM	Vennenbos 715 5527JK Hapert	0:00
ON	Vennenbos 716 5527JK Hapert	0:00
OO	Vennenbos 717 5527JK Hapert	0:00
OP	Vennenbos 718 5527JK Hapert	0:00
OQ	Vennenbos 719 5527JK Hapert	0:00
OR	Vennenbos 720 5527JK Hapert	0:00
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:00
QC	Vennenbos 757 5527JK Hapert	0:00
QD	Vennenbos 758 5527JK Hapert	0:00
QE	Vennenbos 759 5527JK Hapert	0:00
QF	Vennenbos 760 5527JK Hapert	0:00
QG	Vennenbos 761 5527JK Hapert	0:00
QH	Vennenbos 801 5527JK Hapert	1:44
QI	Vennenbos 802 5527JK Hapert	1:57
QJ	Vennenbos 803 5527JK Hapert	2:06
QK	Vennenbos 804 5527JK Hapert	2:39
QL	Vennenbos 805 5527JK Hapert	2:42
QM	Vennenbos 806 5527JK Hapert	2:38
QN	Vennenbos 807 5527JK Hapert	2:39
QO	Vennenbos 808 5527JK Hapert	2:37
QP	Vennenbos 809 5527JK Hapert	2:37
QQ	Vennenbos 810 5527JK Hapert	2:35
QR	Vennenbos 811 5527JK Hapert	2:36
QS	Vennenbos 812 5527JK Hapert	2:45
QT	Vennenbos 813 5527JK Hapert	2:47
QU	Vennenbos 814 5527JK Hapert	2:49
QV	Vennenbos 815 5527JK Hapert	2:55
QW	Vennenbos 816 5527JK Hapert	2:59
QX	Vennenbos 817 5527JK Hapert	3:02
QY	Vennenbos 818 5527JK Hapert	3:05
QZ	Vennenbos 819 5527JK Hapert	3:07
RA	Vennenbos 820 5527JK Hapert	3:06
RB	Vennenbos 821 5527JK Hapert	3:08
RC	Vennenbos 822 5527JK Hapert	3:07
RD	Vennenbos 823 5527JK Hapert	3:04
RE	Vennenbos 824 5527JK Hapert	3:03
RF	Vennenbos 825 5527JK Hapert	3:02
RG	Vennenbos 826 5527JK Hapert	3:00
RH	Vennenbos 827 5527JK Hapert	2:57
RI	Vennenbos 828 5527JK Hapert	2:55
RJ	Vennenbos 829 5527JK Hapert	3:33
RK	Vennenbos 830 5527JK Hapert	3:34
RL	Vennenbos 831 5527JK Hapert	3:37
RM	Vennenbos 832 5527JK Hapert	3:35
RN	Vennenbos 833 5527JK Hapert	3:38
RO	Vennenbos 834 5527JK Hapert	3:39
RP	Vennenbos 835 5527JK Hapert	3:41
RQ	Vennenbos 836 5527JK Hapert	3:40
RR	Vennenbos 837 5527JK Hapert	3:40
RS	Vennenbos 838 5527JK Hapert	3:38
RT	Vennenbos 839 5527JK Hapert	3:36
RU	Vennenbos 840 5527JK Hapert	3:33
RV	Vennenbos 841 5527JK Hapert	3:31
RW	Vennenbos 842 5527JK Hapert	3:27
RX	Vennenbos 843 5527JK Hapert	3:25
RY	Vennenbos 844 5527JK Hapert	3:24
RZ	Vennenbos 845 5527JK Hapert	1:32
SA	Vennenbos 846 5527JK Hapert	1:39
SB	Vennenbos 847 5527JK Hapert	2:01
SC	Vennenbos 848 5527JK Hapert	1:55
SD	Vennenbos 849 5527JK Hapert	1:49
SE	Vennenbos 850 5527JK Hapert	1:46
SF	Vennenbos 851 5527JK Hapert	1:47
SG	Vennenbos 852 5527JK Hapert	1:43
SH	Vennenbos 853 5527JK Hapert	1:28
SI	Vennenbos 854 5527JK Hapert	1:22

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	1:19
	SK Vennenbos 856 5527JK Hapert	1:07
	SL Vennenbos 857 5527JK Hapert	1:05
	SM Vennenbos 858 5527JK Hapert	0:54
	SN Vennenbos 859 5527JK Hapert	0:28
	SO Vennenbos 860 5527JK Hapert	0:27
	SP Vennenbos 861 5527JK Hapert	0:26
	SQ Vennenbos 862 5527JK Hapert	0:17
	SR Vennenbos 863 5527JK Hapert	0:04
	SS Vennenbos 864 5527JK Hapert	2:13
	ST Vennenbos 865 5527JK Hapert	2:20
	SU Vennenbos 866 5527JK Hapert	0:00
	SV Vennenbos 867 5527JK Hapert	0:00
	SW Vennenbos 868 5527JK Hapert	3:31
	SX Vennenbos 869 5527JK Hapert	3:43
	SY Vennenbos 870 5527JK Hapert	3:21
	SZ Vennenbos 871 5527JK Hapert	3:11
	TA Vennenbos 872 5527JK Hapert	3:09
	TB Vennenbos 873 5527JK Hapert	3:02
	TC Vennenbos 874 5527JK Hapert	2:56
	TD Vennenbos 875 5527JK Hapert	2:48
	TE Vennenbos 876 5527JK Hapert	2:45
	TF Vennenbos 877 5527JK Hapert	2:39
	TG Vennenbos 878 5527JK Hapert	2:36
	TH Vennenbos 879 5527JK Hapert	2:33
	TI Vennenbos 880 5527JK Hapert	2:24
	TJ Vennenbos 881 5527JK Hapert	2:27
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	1:48
	TN Vennenbos 548 5527JK Hapert	1:47
	TO Vennenbos 549 5527JK Hapert	1:46

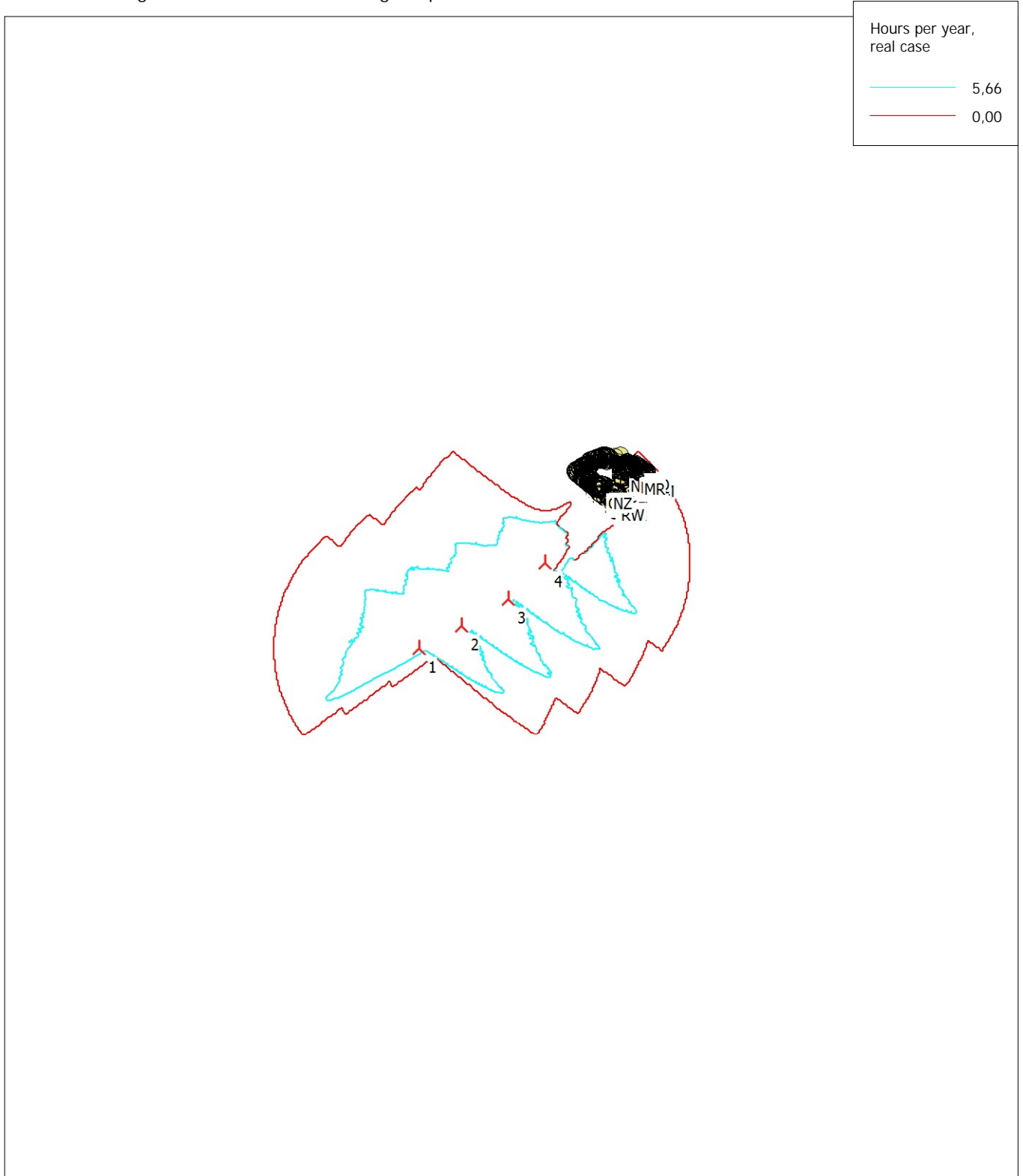
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (458)	0:00	0:00
2	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (459)	0:00	0:00
3	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (460)	23:02	2:32
4	SENVION 3.4M140 3400 140.0 !O! hub: 120,0 m (TOT: 190,0 m) (461)	72:39	8:33

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 1 - Bungaluwpark - inclusief obstakels



0 1 2 3 4 km

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



▲ New WTG

● Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	cw [°]	[°]		[m]
A	Akkerweg 6	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Troprijt 7	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values	
		Shadow hours	per year [h/year]
A	Akkerweg 6 5531NT Bladel	0:00	0:00
B	Bredasebaan 34 5531NC Bladel	0:00	0:00
C	Bredasebaan 35 5531NC Bladel	0:00	0:00
D	Bredasebaan 37 5531NC Bladel	0:00	0:00
E	Bredasebaan 37A 5531NC Bladel	0:00	0:00
F	Bredasebaan 38 5531NC Bladel	0:00	0:00
G	Bredasebaan 42 5531NC Bladel	0:00	0:00
H	Bredasebaan 44 5531NC Bladel	0:00	0:00
I	De Pals 1 5527PA Hapert	17:17	17:17
J	De Pals 2 5527PA Hapert	19:57	19:57
K	Groot Terkooijen 3 5531NV Bladel	0:00	0:00
L	Groot Terkooijen 11 5531NV Bladel	0:00	0:00
M	Troprijt 4 5531NA Bladel	0:00	0:00
N	Troprijt 5 5531NA Bladel	0:00	0:00
O	Troprijt 6 5531NA Bladel	0:00	0:00
P	Troprijt 7 5531NA Bladel	0:00	0:00
Q	Troprijt 10A 5531NA Bladel	0:00	0:00
R	Troprijt 11 5531NA Bladel	0:00	0:00
S	Troprijt 14 5531NA Bladel	10:11	10:11
T	Troprijt 15 5531NA Bladel	5:39	5:39
U	Troprijt 19 5531NA Bladel	7:06	7:06
V	Troprijt 21 5531NA Bladel	8:50	8:50
W	Bredasebaan 40 5531NC Bladel	0:00	0:00
X	Bredasebaan 39 5531NC Bladel	0:00	0:00

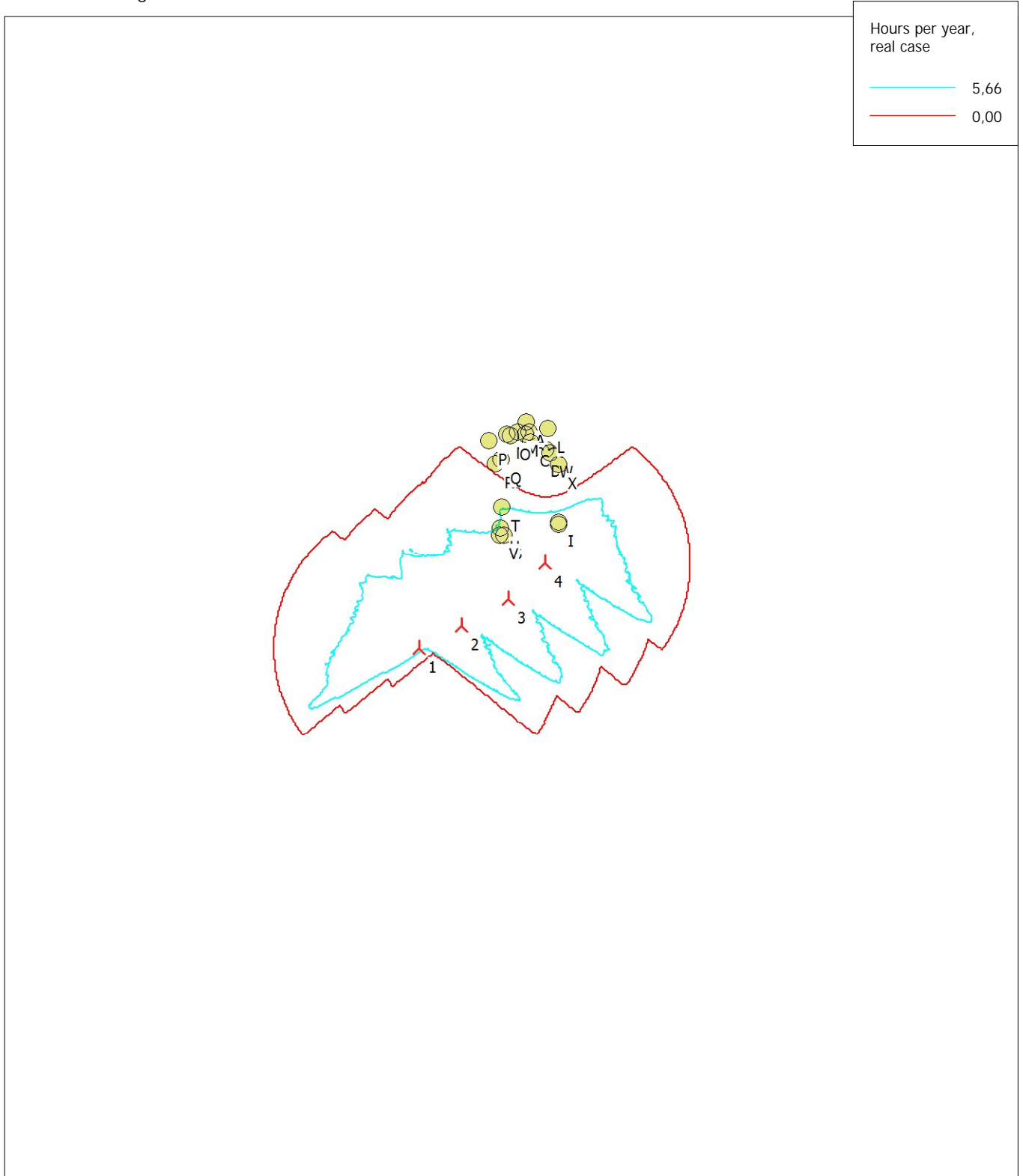
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name		Worst case	Expected
			[h/year]	[h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 160,0 m (TOT: 239,0 m) (462)	4:05	0:23
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 160,0 m (TOT: 239,0 m) (463)	21:05	2:18
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 160,0 m (TOT: 239,0 m) (464)	45:44	4:33
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 160,0 m (TOT: 239,0 m) (465)	258:17	33:30

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 2



New WTG

Shadow receptor

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Cumulatie
Assumptions for shadow calculations

Maximum distance for influence 1.920 m

All coordinates are in
Dutch Stereo-RD/NAP 2008



▲ New WTG

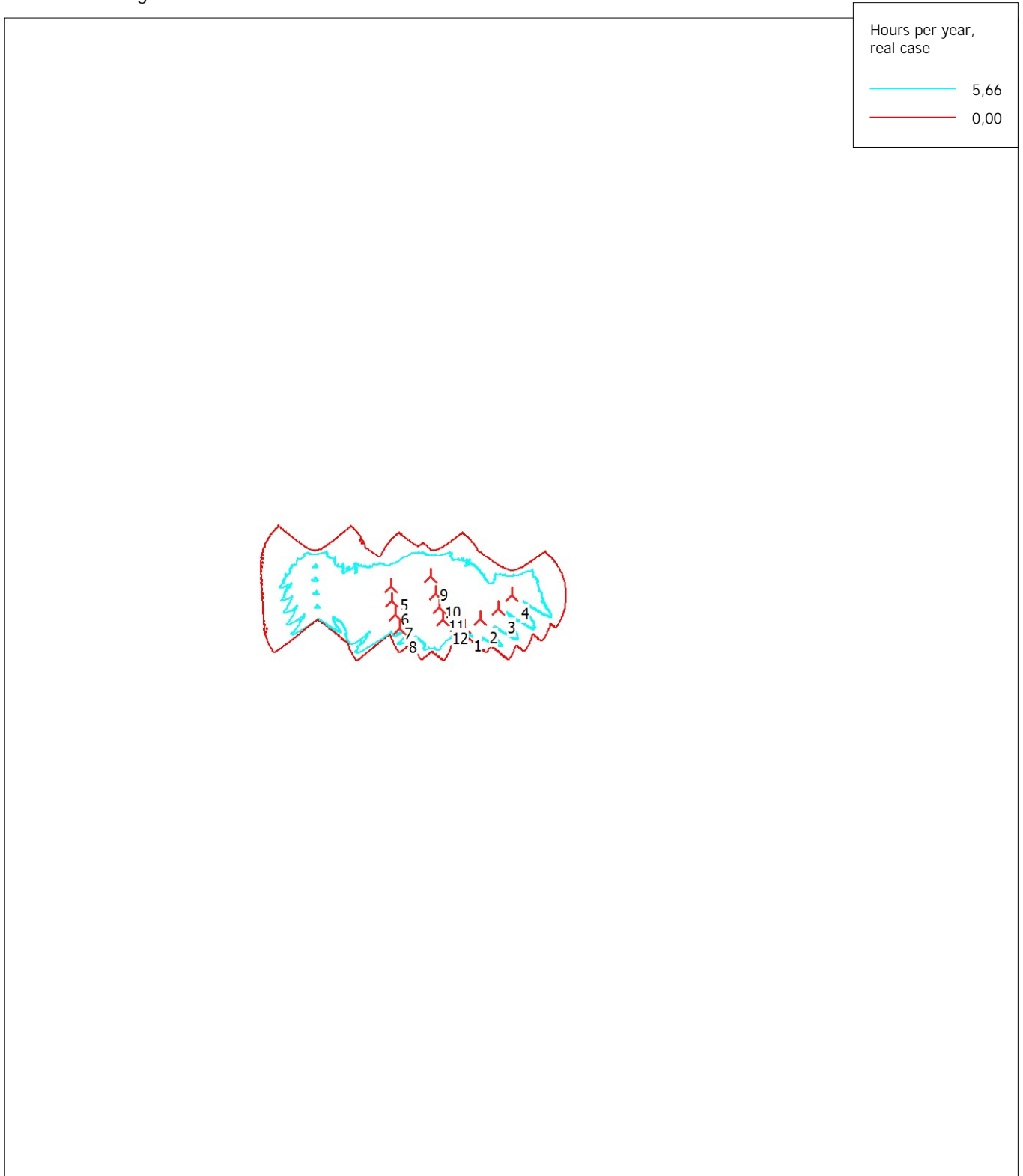
★ Existing WTG

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
					Valid	Manufact.					
1	142.814	370.226	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
2	143.381	370.515	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
3	144.008	370.872	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
4	144.498	371.343	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
5	140.201	371.659	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
6	140.211	371.164	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
7	140.357	370.673	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
8	140.513	370.197	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
9	141.601	372.007	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
10	141.781	371.409	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
11	141.913	370.919	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
12	142.030	370.480	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
13	137.491	372.394	0,0	Laarakkerdijk 1	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
14	137.515	371.916	0,0	Laarakkerdijk 2	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
15	137.538	371.438	0,0	Laarakkerdijk 3	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
16	137.561	370.961	0,0	Laarakkerdijk 4	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
17	137.585	370.483	0,0	Laarakkerdijk 5	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9

SHADOW - Map

Calculation: Slagschaduw Alternatief 2 - Cumulatie



0 2,5 5 7,5 10km

Map: Blank map , Print scale 1:200.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG

Flicker map level: 0 m above sea level

SHADOW - Main Result

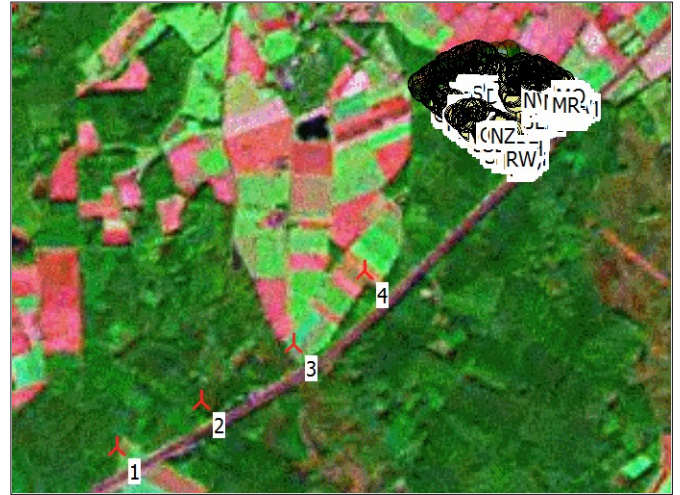
Calculation: Slagschaduw Alternatief 2 - Bungaluwpark
Assumptions for shadow calculations

Maximum distance for influence 1.920 m
Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,51 2,65 3,12 4,87 6,15 5,31 5,98 5,61 4,34 3,29 2,18 1,10

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
473 547 527 593 464 444 729 1.274 1.330 812 634 588 8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:50.000

▲ New WTG

👤 Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
FC	Vennenbos 259	5527JK Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
OY	Vennenbos 727	5527JK Hapert	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	5527JK Hapert	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	5527JK Hapert	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	5527JK Hapert	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	5527JK Hapert	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	5527JK Hapert	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	5527JK Hapert	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	5527JK Hapert	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	5527JK Hapert	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	5527JK Hapert	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	5527JK Hapert	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	5527JK Hapert	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	5527JK Hapert	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	5527JK Hapert	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	5527JK Hapert	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	5527JK Hapert	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	5527JK Hapert	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	5527JK Hapert	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	5527JK Hapert	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	5527JK Hapert	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	5527JK Hapert	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	5527JK Hapert	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	5527JK Hapert	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	5527JK Hapert	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	5527JK Hapert	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	5527JK Hapert	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	5527JK Hapert	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	5527JK Hapert	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	5527JK Hapert	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	5527JK Hapert	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	5527JK Hapert	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	5527JK Hapert	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	5527JK Hapert	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	5527JK Hapert	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	5527JK Hapert	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	5527JK Hapert	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	5527JK Hapert	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	5527JK Hapert	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	5527JK Hapert	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	5527JK Hapert	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	5527JK Hapert	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	5527JK Hapert	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	5527JK Hapert	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	5527JK Hapert	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	5527JK Hapert	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	5527JK Hapert	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	5527JK Hapert	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	5527JK Hapert	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	5527JK Hapert	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	5527JK Hapert	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	5527JK Hapert	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	5527JK Hapert	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	5527JK Hapert	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	5527JK Hapert	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	5527JK Hapert	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	5527JK Hapert	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	5527JK Hapert	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	5527JK Hapert	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	5527JK Hapert	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	5527JK Hapert	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	5527JK Hapert	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	5527JK Hapert	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	5527JK Hapert	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	5527JK Hapert	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.		
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]		
RK	Vennenbos 830	5527JK	Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK	Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK	Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK	Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK	Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK	Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK	Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK	Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK	Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK	Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK	Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK	Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK	Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK	Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK	Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK	Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK	Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK	Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK	Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK	Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK	Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK	Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK	Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK	Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK	Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK	Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK	Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK	Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK	Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK	Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK	Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK	Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK	Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK	Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK	Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK	Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK	Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK	Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK	Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK	Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK	Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK	Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK	Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK	Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK	Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK	Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK	Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK	Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK	Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK	Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK	Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK	Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert		145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK	Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK	Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK	Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK	Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:30
C	Vennenbos 1A 5527JK Hapert	2:25
D	Vennenbos 1B 5527JK Hapert	3:23
E	Vennenbos 1C 5527JK Hapert	2:44
F	Vennenbos 1D 5527JK Hapert	4:52
G	Vennenbos 1E 5527JK Hapert	0:03
H	Vennenbos 1G 5527JK Hapert	2:16
I	Vennenbos 2 5527JK Hapert	1:13
J	Vennenbos 3 5527JK Hapert	1:20
K	Vennenbos 4 5527JK Hapert	1:23
L	Vennenbos 5 5527JK Hapert	1:28
M	Vennenbos 6 5527JK Hapert	1:32
N	Vennenbos 7 5527JK Hapert	1:26
O	Vennenbos 8 5527JK Hapert	1:24
P	Vennenbos 9 5527JK Hapert	1:19
Q	Vennenbos 10 5527JK Hapert	1:22
R	Vennenbos 11 5527JK Hapert	1:19
S	Vennenbos 12 5527JK Hapert	1:22
T	Vennenbos 13 5527JK Hapert	1:27
U	Vennenbos 14 5527JK Hapert	1:36
V	Vennenbos 15 5527JK Hapert	1:44
W	Vennenbos 16 5527JK Hapert	1:45
X	Vennenbos 17 5527JK Hapert	1:49
Y	Vennenbos 18 5527JK Hapert	1:54
Z	Vennenbos 19 5527JK Hapert	1:59
AA	Vennenbos 20 5527JK Hapert	2:02
AB	Vennenbos 21 5527JK Hapert	2:04
AC	Vennenbos 22 5527JK Hapert	2:07
AD	Vennenbos 23 5527JK Hapert	2:09
AE	Vennenbos 24 5527JK Hapert	2:05
AF	Vennenbos 25 5527JK Hapert	2:03
AG	Vennenbos 26 5527JK Hapert	1:59
AH	Vennenbos 27 5527JK Hapert	2:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:03
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:02
DX	Vennenbos 229 5527JK Hapert	0:07
DY	Vennenbos 230 5527JK Hapert	0:13
DZ	Vennenbos 231 5527JK Hapert	0:16
EA	Vennenbos 232 5527JK Hapert	0:24
EB	Vennenbos 233 5527JK Hapert	0:27
EC	Vennenbos 234 5527JK Hapert	0:29
ED	Vennenbos 235 5527JK Hapert	0:36
EE	Vennenbos 235T Hapert	0:58
EF	Vennenbos 236 5527JK Hapert	0:21
EG	Vennenbos 237 5527JK Hapert	0:23
EH	Vennenbos 238 5527JK Hapert	0:46
EI	Vennenbos 239 5527JK Hapert	0:44
EJ	Vennenbos 240 5527JK Hapert	0:43
EK	Vennenbos 241 5527JK Hapert	0:42
EL	Vennenbos 242 5527JK Hapert	0:50
EM	Vennenbos 243 5527JK Hapert	0:53
EN	Vennenbos 244 5527JK Hapert	0:58
EO	Vennenbos 245 5527JK Hapert	1:04
EP	Vennenbos 246 5527JK Hapert	1:10
EQ	Vennenbos 247 5527JK Hapert	0:59
ER	Vennenbos 248 5527JK Hapert	1:01
ES	Vennenbos 249 5527JK Hapert	1:04
ET	Vennenbos 250 5527JK Hapert	1:13
EU	Vennenbos 251 5527JK Hapert	1:15
EV	Vennenbos 252 5527JK Hapert	1:17
EW	Vennenbos 253 5527JK Hapert	1:27
EX	Vennenbos 254 5527JK Hapert	1:33
EY	Vennenbos 255 5527JK Hapert	1:39
EZ	Vennenbos 256 5527JK Hapert	1:41
FA	Vennenbos 257 5527JK Hapert	1:45
FB	Vennenbos 258 5527JK Hapert	1:43
FC	Vennenbos 259 5527JK Hapert	1:40
FD	Vennenbos 260 5527JK Hapert	1:39
FE	Vennenbos 261 5527JK Hapert	1:34
FF	Vennenbos 262 5527JK Hapert	1:36
FG	Vennenbos 263 5527JK Hapert	1:43
FH	Vennenbos 264 5527JK Hapert	1:51
FI	Vennenbos 265 5527JK Hapert	1:57
FJ	Vennenbos 266 5527JK Hapert	2:04
FK	Vennenbos 267 5527JK Hapert	2:05
FL	Vennenbos 268 5527JK Hapert	2:07
FM	Vennenbos 269 5527JK Hapert	2:14
FN	Vennenbos 270 5527JK Hapert	2:15
FO	Vennenbos 271 5527JK Hapert	2:26
FP	Vennenbos 272 5527JK Hapert	2:28
FQ	Vennenbos 273 5527JK Hapert	2:34
FR	Vennenbos 274 5527JK Hapert	2:35
FS	Vennenbos 275 5527JK Hapert	2:33
FT	Vennenbos 276 5527JK Hapert	2:31
FU	Vennenbos 277 5527JK Hapert	0:50
FV	Vennenbos 278 5527JK Hapert	0:55
FW	Vennenbos 279 5527JK Hapert	0:52
FX	Vennenbos 280 5527JK Hapert	0:51
FY	Vennenbos 281 5527JK Hapert	0:49
FZ	Vennenbos 282 5527JK Hapert	0:43
GA	Vennenbos 283 5527JK Hapert	0:31
GB	Vennenbos 284 5527JK Hapert	0:28
GC	Vennenbos 285 5527JK Hapert	0:18
GD	Vennenbos 286 5527JK Hapert	0:13
GE	Vennenbos 287 5527JK Hapert	0:06
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	1:24
GL	Vennenbos 302 5527JK Hapert	1:29
GM	Vennenbos 303 5527JK Hapert	1:27
GN	Vennenbos 304 5527JK Hapert	1:22
GO	Vennenbos 305 5527JK Hapert	1:20
GP	Vennenbos 306 5527JK Hapert	1:09
GQ	Vennenbos 307 5527JK Hapert	1:00
GR	Vennenbos 308 5527JK Hapert	0:55
GS	Vennenbos 309 5527JK Hapert	0:46
GT	Vennenbos 310 5527JK Hapert	0:32
GU	Vennenbos 311 5527JK Hapert	0:33
GV	Vennenbos 312 5527JK Hapert	0:25
GW	Vennenbos 313 5527JK Hapert	0:17
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	2:24
HO	Vennenbos 401T Hapert	2:01
HP	Vennenbos 402 5527JK Hapert	2:35
HQ	Vennenbos 403 5527JK Hapert	2:42
HR	Vennenbos 404 5527JK Hapert	2:52
HS	Vennenbos 405 5527JK Hapert	3:05
HT	Vennenbos 406 5527JK Hapert	3:13
HU	Vennenbos 407 5527JK Hapert	3:13
HV	Vennenbos 408 5527JK Hapert	3:19
HW	Vennenbos 409 5527JK Hapert	3:22
HX	Vennenbos 410 5527JK Hapert	3:26
HY	Vennenbos 411 5527JK Hapert	3:27
HZ	Vennenbos 412 5527JK Hapert	3:29
IA	Vennenbos 413 5527JK Hapert	3:27
IB	Vennenbos 414 5527JK Hapert	3:23
IC	Vennenbos 415 5527JK Hapert	3:19
ID	Vennenbos 416 5527JK Hapert	3:18
IE	Vennenbos 417 5527JK Hapert	3:27
IF	Vennenbos 418 5527JK Hapert	3:30
IG	Vennenbos 419 5527JK Hapert	3:32
IH	Vennenbos 420 5527JK Hapert	3:34
II	Vennenbos 421 5527JK Hapert	3:36
IJ	Vennenbos 422 5527JK Hapert	3:38
IK	Vennenbos 423 5527JK Hapert	3:37
IL	Vennenbos 424 5527JK Hapert	3:42
IM	Vennenbos 425 5527JK Hapert	3:43
IN	Vennenbos 426 5527JK Hapert	3:45
IO	Vennenbos 427 5527JK Hapert	3:47
IP	Vennenbos 428 5527JK Hapert	3:47
IQ	Vennenbos 429 5527JK Hapert	3:47

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:47
IS	Vennenbos 431 5527JK Hapert	3:43
IT	Vennenbos 432 5527JK Hapert	3:42
IU	Vennenbos 433 5527JK Hapert	3:41
IV	Vennenbos 434 5527JK Hapert	3:40
IW	Vennenbos 435 5527JK Hapert	3:35
IX	Vennenbos 436 5527JK Hapert	3:37
IY	Vennenbos 437 5527JK Hapert	3:33
IZ	Vennenbos 438 5527JK Hapert	3:30
JA	Vennenbos 439 5527JK Hapert	3:29
JB	Vennenbos 440 5527JK Hapert	3:26
JC	Vennenbos 501 5527JK Hapert	3:15
JD	Vennenbos 502 5527JK Hapert	3:15
JE	Vennenbos 503 5527JK Hapert	3:16
JF	Vennenbos 504 5527JK Hapert	3:15
JG	Vennenbos 505 5527JK Hapert	3:17
JH	Vennenbos 506 5527JK Hapert	3:18
JI	Vennenbos 507 5527JK Hapert	3:19
JJ	Vennenbos 508 5527JK Hapert	3:20
JK	Vennenbos 509 5527JK Hapert	3:05
JL	Vennenbos 510 5527JK Hapert	3:03
JM	Vennenbos 511 5527JK Hapert	3:01
JN	Vennenbos 512 5527JK Hapert	2:58
JO	Vennenbos 513 5527JK Hapert	2:53
JP	Vennenbos 514 5527JK Hapert	2:47
JQ	Vennenbos 515 5527JK Hapert	2:42
JR	Vennenbos 516 5527JK Hapert	2:13
JS	Vennenbos 517 5527JK Hapert	2:07
JT	Vennenbos 518 5527JK Hapert	2:01
JU	Vennenbos 519 5527JK Hapert	1:55
JV	Vennenbos 520 5527JK Hapert	2:13
JW	Vennenbos 521 5527JK Hapert	2:18
JX	Vennenbos 522 5527JK Hapert	2:23
JY	Vennenbos 523 5527JK Hapert	2:28
JZ	Vennenbos 524 5527JK Hapert	2:30
KA	Vennenbos 525 5527JK Hapert	2:28
KB	Vennenbos 526 5527JK Hapert	2:29
KC	Vennenbos 527 5527JK Hapert	2:23
KD	Vennenbos 528 5527JK Hapert	2:25
KE	Vennenbos 529 5527JK Hapert	2:26
KF	Vennenbos 530 5527JK Hapert	2:31
KG	Vennenbos 531 5527JK Hapert	2:33
KH	Vennenbos 532 5527JK Hapert	2:37
KI	Vennenbos 533 5527JK Hapert	2:37
KJ	Vennenbos 534 5527JK Hapert	2:42
KK	Vennenbos 535 5527JK Hapert	2:42
KL	Vennenbos 536 5527JK Hapert	2:47
KM	Vennenbos 537 5527JK Hapert	2:45
KN	Vennenbos 538 5527JK Hapert	2:50
KO	Vennenbos 539 5527JK Hapert	2:55
KP	Vennenbos 540 5527JK Hapert	2:55
KQ	Vennenbos 541 5527JK Hapert	2:54
KR	Vennenbos 542 5527JK Hapert	2:54
KS	Vennenbos 543 5527JK Hapert	2:52
KT	Vennenbos 544 5527JK Hapert	2:51
KU	Vennenbos 545 5527JK Hapert	2:49
KV	Vennenbos 546 5527JK Hapert	2:47
KW	Vennenbos 547T Hapert	2:48
KX	Vennenbos 901 5527JK Hapert	2:36
KY	Vennenbos 902 5527JK Hapert	2:34
KZ	Vennenbos 903 5527JK Hapert	2:32
LA	Vennenbos 601 5527JK Hapert	2:12
LB	Vennenbos 602 5527JK Hapert	2:07

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	2:05
LD	Vennenbos 604 5527JK Hapert	2:06
LE	Vennenbos 605 5527JK Hapert	2:04
LF	Vennenbos 606 5527JK Hapert	2:05
LG	Vennenbos 607 5527JK Hapert	2:01
LH	Vennenbos 608 5527JK Hapert	2:03
LI	Vennenbos 609 5527JK Hapert	1:59
LJ	Vennenbos 610 5527JK Hapert	1:57
LK	Vennenbos 611 5527JK Hapert	1:54
LL	Vennenbos 612 5527JK Hapert	1:53
LM	Vennenbos 613 5527JK Hapert	1:53
LN	Vennenbos 614 5527JK Hapert	1:51
LO	Vennenbos 615 5527JK Hapert	1:50
LP	Vennenbos 616 5527JK Hapert	1:51
LQ	Vennenbos 617 5527JK Hapert	2:11
LR	Vennenbos 618 5527JK Hapert	2:07
LS	Vennenbos 619 5527JK Hapert	2:02
LT	Vennenbos 620 5527JK Hapert	2:01
LU	Vennenbos 621 5527JK Hapert	2:00
LV	Vennenbos 622 5527JK Hapert	2:00
LW	Vennenbos 623 5527JK Hapert	2:18
LX	Vennenbos 624 5527JK Hapert	2:18
LY	Vennenbos 625 5527JK Hapert	2:20
LZ	Vennenbos 626 5527JK Hapert	2:24
MA	Vennenbos 627 5527JK Hapert	2:25
MB	Vennenbos 628 5527JK Hapert	2:28
MC	Vennenbos 629 5527JK Hapert	2:29
MD	Vennenbos 630 5527JK Hapert	2:31
ME	Vennenbos 631 5527JK Hapert	2:30
MF	Vennenbos 632 5527JK Hapert	2:28
MG	Vennenbos 633 5527JK Hapert	2:22
MH	Vennenbos 634 5527JK Hapert	2:23
MI	Vennenbos 635 5527JK Hapert	2:23
MJ	Vennenbos 636 5527JK Hapert	2:23
MK	Vennenbos 637 5527JK Hapert	2:21
ML	Vennenbos 638 5527JK Hapert	2:20
MM	Vennenbos 639 5527JK Hapert	2:11
MN	Vennenbos 640 5527JK Hapert	2:13
MO	Vennenbos 641 5527JK Hapert	2:17
MP	Vennenbos 642 5527JK Hapert	2:20
MQ	Vennenbos 643 5527JK Hapert	2:22
MR	Vennenbos 644 5527JK Hapert	2:36
MS	Vennenbos 645 5527JK Hapert	2:36
MT	Vennenbos 646 5527JK Hapert	2:35
MU	Vennenbos 647 5527JK Hapert	2:33
MV	Vennenbos 648 5527JK Hapert	2:29
MW	Vennenbos 649 5527JK Hapert	2:25
MX	Vennenbos 650 5527JK Hapert	2:25
MY	Vennenbos 651 5527JK Hapert	2:22
MZ	Vennenbos 652 5527JK Hapert	2:23
NA	Vennenbos 653 5527JK Hapert	2:24
NB	Vennenbos 654 5527JK Hapert	2:27
NC	Vennenbos 655 5527JK Hapert	2:28
ND	Vennenbos 656 5527JK Hapert	2:26
NE	Vennenbos 657 5527JK Hapert	2:25
NF	Vennenbos 658 5527JK Hapert	2:18
NG	Vennenbos 659 5527JK Hapert	2:14
NH	Vennenbos 660 5527JK Hapert	2:10
NI	Vennenbos 661 5527JK Hapert	2:04
NJ	Vennenbos 662 5527JK Hapert	2:02
NK	Vennenbos 663 5527JK Hapert	2:00
NL	Vennenbos 664 5527JK Hapert	1:54
NM	Vennenbos 665 5527JK Hapert	1:51

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:53
NO	Vennenbos 667 5527JK Hapert	1:51
NP	Vennenbos 668 5527JK Hapert	1:53
NQ	Vennenbos 669 5527JK Hapert	1:51
NR	Vennenbos 670 5527JK Hapert	1:52
NS	Vennenbos 671 5527JK Hapert	1:50
NT	Vennenbos 672 5527JK Hapert	1:44
NU	Vennenbos 673 5527JK Hapert	1:36
NV	Vennenbos 674 5527JK Hapert	1:36
NW	Vennenbos 675 5527JK Hapert	1:29
NX	Vennenbos 676 5527JK Hapert	1:28
NY	Vennenbos 701 5527JK Hapert	3:00
NZ	Vennenbos 702 5527JK Hapert	2:57
OA	Vennenbos 703 5527JK Hapert	2:49
OB	Vennenbos 704 5527JK Hapert	2:48
OC	Vennenbos 705 5527JK Hapert	2:44
OD	Vennenbos 706 5527JK Hapert	2:34
OE	Vennenbos 707 5527JK Hapert	2:33
OF	Vennenbos 708 5527JK Hapert	2:24
OG	Vennenbos 709 5527JK Hapert	2:25
OH	Vennenbos 710 5527JK Hapert	2:23
OI	Vennenbos 711 5527JK Hapert	2:23
OJ	Vennenbos 712 5527JK Hapert	2:53
OK	Vennenbos 713 5527JK Hapert	2:13
OL	Vennenbos 714 5527JK Hapert	2:01
OM	Vennenbos 715 5527JK Hapert	1:44
ON	Vennenbos 716 5527JK Hapert	1:42
OO	Vennenbos 717 5527JK Hapert	1:31
OP	Vennenbos 718 5527JK Hapert	1:29
OQ	Vennenbos 719 5527JK Hapert	1:20
OR	Vennenbos 720 5527JK Hapert	0:55
OS	Vennenbos 721 5527JK Hapert	0:41
OT	Vennenbos 722 5527JK Hapert	0:38
OU	Vennenbos 723 5527JK Hapert	0:34
OV	Vennenbos 724 5527JK Hapert	0:21
OW	Vennenbos 725 5527JK Hapert	0:17
OX	Vennenbos 726 5527JK Hapert	0:14
OY	Vennenbos 727 5527JK Hapert	0:12
OZ	Vennenbos 728 5527JK Hapert	0:04
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:01
PW	Vennenbos 751 5527JK Hapert	0:08
PX	Vennenbos 752 5527JK Hapert	0:29

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:43
PZ	Vennenbos 754 5527JK Hapert	0:51
QA	Vennenbos 755 5527JK Hapert	0:52
QB	Vennenbos 756 5527JK Hapert	1:11
QC	Vennenbos 757 5527JK Hapert	1:21
QD	Vennenbos 758 5527JK Hapert	1:21
QE	Vennenbos 759 5527JK Hapert	1:22
QF	Vennenbos 760 5527JK Hapert	1:26
QG	Vennenbos 761 5527JK Hapert	1:19
QH	Vennenbos 801 5527JK Hapert	3:25
QI	Vennenbos 802 5527JK Hapert	3:35
QJ	Vennenbos 803 5527JK Hapert	3:41
QK	Vennenbos 804 5527JK Hapert	4:10
QL	Vennenbos 805 5527JK Hapert	4:11
QM	Vennenbos 806 5527JK Hapert	4:08
QN	Vennenbos 807 5527JK Hapert	4:07
QO	Vennenbos 808 5527JK Hapert	4:03
QP	Vennenbos 809 5527JK Hapert	4:04
QQ	Vennenbos 810 5527JK Hapert	4:02
QR	Vennenbos 811 5527JK Hapert	4:00
QS	Vennenbos 812 5527JK Hapert	4:05
QT	Vennenbos 813 5527JK Hapert	4:06
QU	Vennenbos 814 5527JK Hapert	4:06
QV	Vennenbos 815 5527JK Hapert	4:07
QW	Vennenbos 816 5527JK Hapert	4:10
QX	Vennenbos 817 5527JK Hapert	4:11
QY	Vennenbos 818 5527JK Hapert	4:14
QZ	Vennenbos 819 5527JK Hapert	4:14
RA	Vennenbos 820 5527JK Hapert	4:12
RB	Vennenbos 821 5527JK Hapert	4:11
RC	Vennenbos 822 5527JK Hapert	4:09
RD	Vennenbos 823 5527JK Hapert	4:06
RE	Vennenbos 824 5527JK Hapert	4:04
RF	Vennenbos 825 5527JK Hapert	4:03
RG	Vennenbos 826 5527JK Hapert	4:01
RH	Vennenbos 827 5527JK Hapert	3:58
RI	Vennenbos 828 5527JK Hapert	3:57
RJ	Vennenbos 829 5527JK Hapert	5:16
RK	Vennenbos 830 5527JK Hapert	5:16
RL	Vennenbos 831 5527JK Hapert	5:15
RM	Vennenbos 832 5527JK Hapert	5:12
RN	Vennenbos 833 5527JK Hapert	5:12
RO	Vennenbos 834 5527JK Hapert	5:12
RP	Vennenbos 835 5527JK Hapert	5:09
RQ	Vennenbos 836 5527JK Hapert	5:06
RR	Vennenbos 837 5527JK Hapert	5:02
RS	Vennenbos 838 5527JK Hapert	4:58
RT	Vennenbos 839 5527JK Hapert	4:55
RU	Vennenbos 840 5527JK Hapert	4:52
RV	Vennenbos 841 5527JK Hapert	4:50
RW	Vennenbos 842 5527JK Hapert	4:30
RX	Vennenbos 843 5527JK Hapert	4:27
RY	Vennenbos 844 5527JK Hapert	4:23
RZ	Vennenbos 845 5527JK Hapert	3:24
SA	Vennenbos 846 5527JK Hapert	3:31
SB	Vennenbos 847 5527JK Hapert	4:15
SC	Vennenbos 848 5527JK Hapert	4:12
SD	Vennenbos 849 5527JK Hapert	4:09
SE	Vennenbos 850 5527JK Hapert	4:10
SF	Vennenbos 851 5527JK Hapert	4:15
SG	Vennenbos 852 5527JK Hapert	4:14
SH	Vennenbos 853 5527JK Hapert	4:05
SI	Vennenbos 854 5527JK Hapert	4:06

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	4:04
	SK Vennenbos 856 5527JK Hapert	3:51
	SL Vennenbos 857 5527JK Hapert	3:49
	SM Vennenbos 858 5527JK Hapert	3:38
	SN Vennenbos 859 5527JK Hapert	3:03
	SO Vennenbos 860 5527JK Hapert	3:01
	SP Vennenbos 861 5527JK Hapert	3:01
	SQ Vennenbos 862 5527JK Hapert	2:47
	SR Vennenbos 863 5527JK Hapert	2:25
	SS Vennenbos 864 5527JK Hapert	4:54
	ST Vennenbos 865 5527JK Hapert	4:57
	SU Vennenbos 866 5527JK Hapert	5:10
	SV Vennenbos 867 5527JK Hapert	5:19
	SW Vennenbos 868 5527JK Hapert	5:30
	SX Vennenbos 869 5527JK Hapert	5:35
	SY Vennenbos 870 5527JK Hapert	4:33
	SZ Vennenbos 871 5527JK Hapert	4:24
	TA Vennenbos 872 5527JK Hapert	4:21
	TB Vennenbos 873 5527JK Hapert	4:14
	TC Vennenbos 874 5527JK Hapert	3:45
	TD Vennenbos 875 5527JK Hapert	3:38
	TE Vennenbos 876 5527JK Hapert	3:34
	TF Vennenbos 877 5527JK Hapert	3:29
	TG Vennenbos 878 5527JK Hapert	3:25
	TH Vennenbos 879 5527JK Hapert	3:23
	TI Vennenbos 880 5527JK Hapert	3:15
	TJ Vennenbos 881 5527JK Hapert	3:15
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:45
	TN Vennenbos 548 5527JK Hapert	2:44
	TO Vennenbos 549 5527JK Hapert	2:42

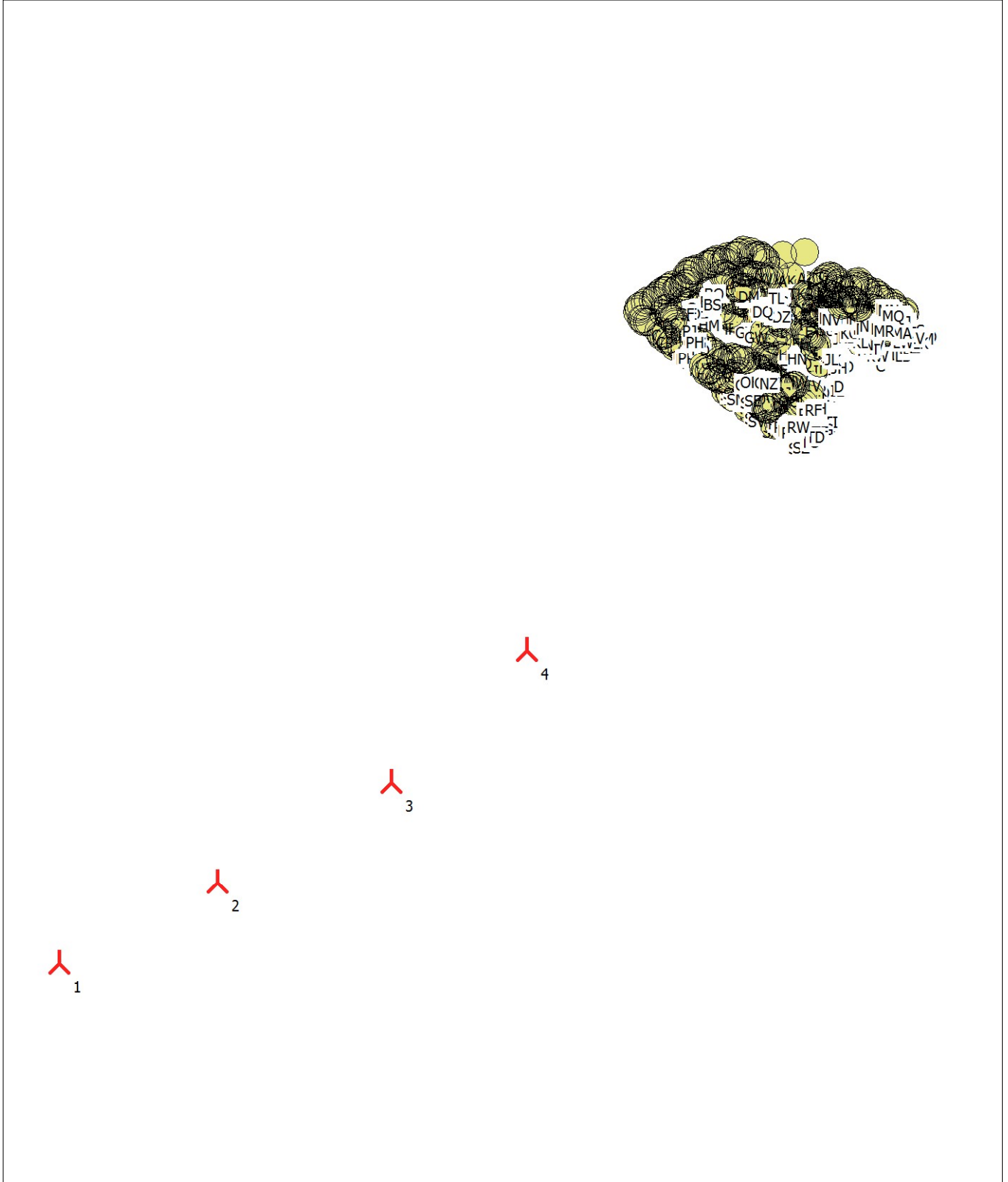
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (462)	0:00	0:00
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (463)	0:00	0:00
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (464)	42:13	4:47
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (465)	114:11	13:54

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 2 - Bungalowpark



0 250 500 750 1000m

Map: Blank map , Print scale 1:20.000, Map center Dutch Stereo-RD/NAP 2008 East: 144.338 North: 371.502

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

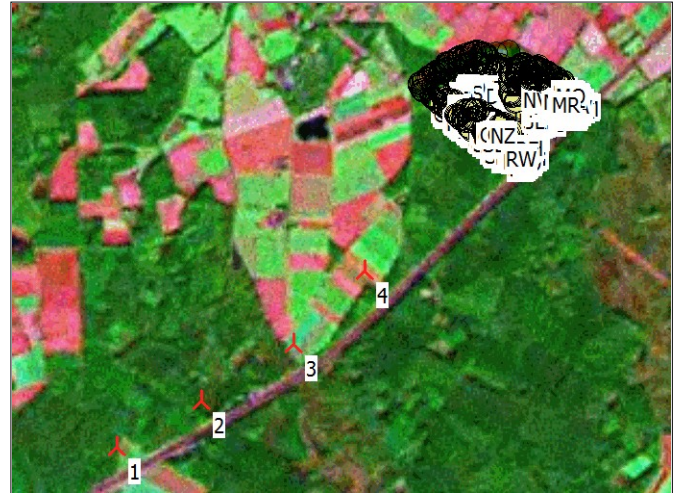
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:50.000

▲ New WTG

👤 Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	160,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height	
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]	
							[m]	[°]	[°]		a.g.l.	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height		
				[m]	[m]	[m]	a.g.l.	south cw	window		(ZVI) a.g.l.		
							[m]	[°]	[°]		[m]		
FC	Vennenbos 259	5527JK	Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK	Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK	Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK	Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK	Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK	Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK	Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK	Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK	Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK	Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK	Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK	Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK	Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK	Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK	Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK	Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK	Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK	Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK	Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK	Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK	Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK	Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK	Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK	Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK	Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK	Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK	Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK	Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK	Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK	Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK	Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK	Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK	Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK	Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK	Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK	Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK	Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK	Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK	Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK	Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK	Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK	Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK	Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK	Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK	Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK	Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK	Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK	Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK	Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK	Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK	Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK	Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK	Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK	Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK	Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK	Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK	Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK	Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK	Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK	Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK	Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK	Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK	Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK	Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
								[°]	[°]		
OY	Vennenbos 727	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
RK	Vennenbos 830	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:30
C	Vennenbos 1A 5527JK Hapert	2:25
D	Vennenbos 1B 5527JK Hapert	3:23
E	Vennenbos 1C 5527JK Hapert	2:44
F	Vennenbos 1D 5527JK Hapert	4:52
G	Vennenbos 1E 5527JK Hapert	0:03
H	Vennenbos 1G 5527JK Hapert	2:16
I	Vennenbos 2 5527JK Hapert	1:13
J	Vennenbos 3 5527JK Hapert	1:20
K	Vennenbos 4 5527JK Hapert	1:23
L	Vennenbos 5 5527JK Hapert	1:28
M	Vennenbos 6 5527JK Hapert	1:32
N	Vennenbos 7 5527JK Hapert	1:26
O	Vennenbos 8 5527JK Hapert	1:24
P	Vennenbos 9 5527JK Hapert	1:19
Q	Vennenbos 10 5527JK Hapert	1:22
R	Vennenbos 11 5527JK Hapert	1:19
S	Vennenbos 12 5527JK Hapert	1:22
T	Vennenbos 13 5527JK Hapert	1:27
U	Vennenbos 14 5527JK Hapert	1:36
V	Vennenbos 15 5527JK Hapert	1:44
W	Vennenbos 16 5527JK Hapert	1:45
X	Vennenbos 17 5527JK Hapert	1:49
Y	Vennenbos 18 5527JK Hapert	1:54
Z	Vennenbos 19 5527JK Hapert	1:59
AA	Vennenbos 20 5527JK Hapert	2:02
AB	Vennenbos 21 5527JK Hapert	2:04
AC	Vennenbos 22 5527JK Hapert	2:07
AD	Vennenbos 23 5527JK Hapert	2:09
AE	Vennenbos 24 5527JK Hapert	2:05
AF	Vennenbos 25 5527JK Hapert	2:03
AG	Vennenbos 26 5527JK Hapert	1:59
AH	Vennenbos 27 5527JK Hapert	2:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:03
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:02
DX	Vennenbos 229 5527JK Hapert	0:07
DY	Vennenbos 230 5527JK Hapert	0:13
DZ	Vennenbos 231 5527JK Hapert	0:16
EA	Vennenbos 232 5527JK Hapert	0:24
EB	Vennenbos 233 5527JK Hapert	0:27
EC	Vennenbos 234 5527JK Hapert	0:29
ED	Vennenbos 235 5527JK Hapert	0:36
EE	Vennenbos 235T Hapert	0:58
EF	Vennenbos 236 5527JK Hapert	0:21
EG	Vennenbos 237 5527JK Hapert	0:23
EH	Vennenbos 238 5527JK Hapert	0:46
EI	Vennenbos 239 5527JK Hapert	0:44
EJ	Vennenbos 240 5527JK Hapert	0:43
EK	Vennenbos 241 5527JK Hapert	0:42
EL	Vennenbos 242 5527JK Hapert	0:50
EM	Vennenbos 243 5527JK Hapert	0:53
EN	Vennenbos 244 5527JK Hapert	0:58
EO	Vennenbos 245 5527JK Hapert	1:04
EP	Vennenbos 246 5527JK Hapert	1:10
EQ	Vennenbos 247 5527JK Hapert	0:59
ER	Vennenbos 248 5527JK Hapert	1:01
ES	Vennenbos 249 5527JK Hapert	1:04
ET	Vennenbos 250 5527JK Hapert	1:13
EU	Vennenbos 251 5527JK Hapert	1:15
EV	Vennenbos 252 5527JK Hapert	1:17
EW	Vennenbos 253 5527JK Hapert	1:27
EX	Vennenbos 254 5527JK Hapert	1:33
EY	Vennenbos 255 5527JK Hapert	1:39
EZ	Vennenbos 256 5527JK Hapert	1:41
FA	Vennenbos 257 5527JK Hapert	1:45
FB	Vennenbos 258 5527JK Hapert	1:43
FC	Vennenbos 259 5527JK Hapert	1:40
FD	Vennenbos 260 5527JK Hapert	1:39
FE	Vennenbos 261 5527JK Hapert	1:34
FF	Vennenbos 262 5527JK Hapert	1:36
FG	Vennenbos 263 5527JK Hapert	1:43
FH	Vennenbos 264 5527JK Hapert	1:51
FI	Vennenbos 265 5527JK Hapert	1:57
FJ	Vennenbos 266 5527JK Hapert	2:04
FK	Vennenbos 267 5527JK Hapert	2:05
FL	Vennenbos 268 5527JK Hapert	2:07
FM	Vennenbos 269 5527JK Hapert	2:14
FN	Vennenbos 270 5527JK Hapert	2:15
FO	Vennenbos 271 5527JK Hapert	2:26
FP	Vennenbos 272 5527JK Hapert	2:28
FQ	Vennenbos 273 5527JK Hapert	2:34
FR	Vennenbos 274 5527JK Hapert	2:35
FS	Vennenbos 275 5527JK Hapert	2:33
FT	Vennenbos 276 5527JK Hapert	2:31
FU	Vennenbos 277 5527JK Hapert	0:50
FV	Vennenbos 278 5527JK Hapert	0:55
FW	Vennenbos 279 5527JK Hapert	0:52
FX	Vennenbos 280 5527JK Hapert	0:51
FY	Vennenbos 281 5527JK Hapert	0:49
FZ	Vennenbos 282 5527JK Hapert	0:43
GA	Vennenbos 283 5527JK Hapert	0:31
GB	Vennenbos 284 5527JK Hapert	0:28
GC	Vennenbos 285 5527JK Hapert	0:18
GD	Vennenbos 286 5527JK Hapert	0:13
GE	Vennenbos 287 5527JK Hapert	0:06
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	1:24
GL	Vennenbos 302 5527JK Hapert	1:29
GM	Vennenbos 303 5527JK Hapert	1:27
GN	Vennenbos 304 5527JK Hapert	1:22
GO	Vennenbos 305 5527JK Hapert	1:20
GP	Vennenbos 306 5527JK Hapert	1:09
GQ	Vennenbos 307 5527JK Hapert	1:00
GR	Vennenbos 308 5527JK Hapert	0:55
GS	Vennenbos 309 5527JK Hapert	0:46
GT	Vennenbos 310 5527JK Hapert	0:32
GU	Vennenbos 311 5527JK Hapert	0:33
GV	Vennenbos 312 5527JK Hapert	0:25
GW	Vennenbos 313 5527JK Hapert	0:17
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	2:24
HO	Vennenbos 401T Hapert	2:01
HP	Vennenbos 402 5527JK Hapert	2:35
HQ	Vennenbos 403 5527JK Hapert	2:42
HR	Vennenbos 404 5527JK Hapert	2:52
HS	Vennenbos 405 5527JK Hapert	3:05
HT	Vennenbos 406 5527JK Hapert	3:13
HU	Vennenbos 407 5527JK Hapert	3:13
HV	Vennenbos 408 5527JK Hapert	3:19
HW	Vennenbos 409 5527JK Hapert	3:22
HX	Vennenbos 410 5527JK Hapert	3:26
HY	Vennenbos 411 5527JK Hapert	3:27
HZ	Vennenbos 412 5527JK Hapert	3:29
IA	Vennenbos 413 5527JK Hapert	3:27
IB	Vennenbos 414 5527JK Hapert	3:23
IC	Vennenbos 415 5527JK Hapert	3:19
ID	Vennenbos 416 5527JK Hapert	3:18
IE	Vennenbos 417 5527JK Hapert	3:27
IF	Vennenbos 418 5527JK Hapert	3:30
IG	Vennenbos 419 5527JK Hapert	3:32
IH	Vennenbos 420 5527JK Hapert	3:34
II	Vennenbos 421 5527JK Hapert	3:36
IJ	Vennenbos 422 5527JK Hapert	3:38
IK	Vennenbos 423 5527JK Hapert	3:37
IL	Vennenbos 424 5527JK Hapert	3:42
IM	Vennenbos 425 5527JK Hapert	3:43
IN	Vennenbos 426 5527JK Hapert	3:45
IO	Vennenbos 427 5527JK Hapert	3:47
IP	Vennenbos 428 5527JK Hapert	3:47
IQ	Vennenbos 429 5527JK Hapert	3:47

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:47
IS	Vennenbos 431 5527JK Hapert	3:43
IT	Vennenbos 432 5527JK Hapert	3:42
IU	Vennenbos 433 5527JK Hapert	3:41
IV	Vennenbos 434 5527JK Hapert	3:40
IW	Vennenbos 435 5527JK Hapert	3:35
IX	Vennenbos 436 5527JK Hapert	3:37
IY	Vennenbos 437 5527JK Hapert	3:33
IZ	Vennenbos 438 5527JK Hapert	3:30
JA	Vennenbos 439 5527JK Hapert	3:29
JB	Vennenbos 440 5527JK Hapert	3:26
JC	Vennenbos 501 5527JK Hapert	3:15
JD	Vennenbos 502 5527JK Hapert	3:15
JE	Vennenbos 503 5527JK Hapert	3:16
JF	Vennenbos 504 5527JK Hapert	3:15
JG	Vennenbos 505 5527JK Hapert	3:17
JH	Vennenbos 506 5527JK Hapert	3:18
JI	Vennenbos 507 5527JK Hapert	3:19
JJ	Vennenbos 508 5527JK Hapert	3:20
JK	Vennenbos 509 5527JK Hapert	3:05
JL	Vennenbos 510 5527JK Hapert	3:03
JM	Vennenbos 511 5527JK Hapert	3:01
JN	Vennenbos 512 5527JK Hapert	2:58
JO	Vennenbos 513 5527JK Hapert	2:53
JP	Vennenbos 514 5527JK Hapert	2:47
JQ	Vennenbos 515 5527JK Hapert	2:42
JR	Vennenbos 516 5527JK Hapert	2:13
JS	Vennenbos 517 5527JK Hapert	2:07
JT	Vennenbos 518 5527JK Hapert	2:01
JU	Vennenbos 519 5527JK Hapert	1:55
JV	Vennenbos 520 5527JK Hapert	2:13
JW	Vennenbos 521 5527JK Hapert	2:18
JX	Vennenbos 522 5527JK Hapert	2:23
JY	Vennenbos 523 5527JK Hapert	2:28
JZ	Vennenbos 524 5527JK Hapert	2:30
KA	Vennenbos 525 5527JK Hapert	2:28
KB	Vennenbos 526 5527JK Hapert	2:29
KC	Vennenbos 527 5527JK Hapert	2:23
KD	Vennenbos 528 5527JK Hapert	2:25
KE	Vennenbos 529 5527JK Hapert	2:26
KF	Vennenbos 530 5527JK Hapert	2:31
KG	Vennenbos 531 5527JK Hapert	2:33
KH	Vennenbos 532 5527JK Hapert	2:37
KI	Vennenbos 533 5527JK Hapert	2:37
KJ	Vennenbos 534 5527JK Hapert	2:42
KK	Vennenbos 535 5527JK Hapert	2:42
KL	Vennenbos 536 5527JK Hapert	2:47
KM	Vennenbos 537 5527JK Hapert	2:45
KN	Vennenbos 538 5527JK Hapert	2:50
KO	Vennenbos 539 5527JK Hapert	2:55
KP	Vennenbos 540 5527JK Hapert	2:55
KQ	Vennenbos 541 5527JK Hapert	2:54
KR	Vennenbos 542 5527JK Hapert	2:54
KS	Vennenbos 543 5527JK Hapert	2:52
KT	Vennenbos 544 5527JK Hapert	2:51
KU	Vennenbos 545 5527JK Hapert	2:49
KV	Vennenbos 546 5527JK Hapert	2:47
KW	Vennenbos 547T Hapert	2:48
KX	Vennenbos 901 5527JK Hapert	2:36
KY	Vennenbos 902 5527JK Hapert	2:34
KZ	Vennenbos 903 5527JK Hapert	2:32
LA	Vennenbos 601 5527JK Hapert	2:12
LB	Vennenbos 602 5527JK Hapert	2:07

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	2:05
LD	Vennenbos 604 5527JK Hapert	2:06
LE	Vennenbos 605 5527JK Hapert	2:04
LF	Vennenbos 606 5527JK Hapert	2:05
LG	Vennenbos 607 5527JK Hapert	2:01
LH	Vennenbos 608 5527JK Hapert	2:03
LI	Vennenbos 609 5527JK Hapert	1:59
LJ	Vennenbos 610 5527JK Hapert	1:57
LK	Vennenbos 611 5527JK Hapert	1:54
LL	Vennenbos 612 5527JK Hapert	1:53
LM	Vennenbos 613 5527JK Hapert	1:53
LN	Vennenbos 614 5527JK Hapert	1:51
LO	Vennenbos 615 5527JK Hapert	1:50
LP	Vennenbos 616 5527JK Hapert	1:51
LQ	Vennenbos 617 5527JK Hapert	2:11
LR	Vennenbos 618 5527JK Hapert	2:07
LS	Vennenbos 619 5527JK Hapert	2:02
LT	Vennenbos 620 5527JK Hapert	2:01
LU	Vennenbos 621 5527JK Hapert	2:00
LV	Vennenbos 622 5527JK Hapert	2:00
LW	Vennenbos 623 5527JK Hapert	2:18
LX	Vennenbos 624 5527JK Hapert	2:18
LY	Vennenbos 625 5527JK Hapert	2:20
LZ	Vennenbos 626 5527JK Hapert	2:24
MA	Vennenbos 627 5527JK Hapert	2:25
MB	Vennenbos 628 5527JK Hapert	2:28
MC	Vennenbos 629 5527JK Hapert	2:29
MD	Vennenbos 630 5527JK Hapert	2:31
ME	Vennenbos 631 5527JK Hapert	2:30
MF	Vennenbos 632 5527JK Hapert	2:28
MG	Vennenbos 633 5527JK Hapert	2:22
MH	Vennenbos 634 5527JK Hapert	2:23
MI	Vennenbos 635 5527JK Hapert	2:23
MJ	Vennenbos 636 5527JK Hapert	2:23
MK	Vennenbos 637 5527JK Hapert	2:21
ML	Vennenbos 638 5527JK Hapert	2:20
MM	Vennenbos 639 5527JK Hapert	2:11
MN	Vennenbos 640 5527JK Hapert	2:13
MO	Vennenbos 641 5527JK Hapert	2:17
MP	Vennenbos 642 5527JK Hapert	2:20
MQ	Vennenbos 643 5527JK Hapert	2:22
MR	Vennenbos 644 5527JK Hapert	2:36
MS	Vennenbos 645 5527JK Hapert	2:36
MT	Vennenbos 646 5527JK Hapert	2:35
MU	Vennenbos 647 5527JK Hapert	2:33
MV	Vennenbos 648 5527JK Hapert	2:29
MW	Vennenbos 649 5527JK Hapert	2:25
MX	Vennenbos 650 5527JK Hapert	2:25
MY	Vennenbos 651 5527JK Hapert	2:22
MZ	Vennenbos 652 5527JK Hapert	2:23
NA	Vennenbos 653 5527JK Hapert	2:24
NB	Vennenbos 654 5527JK Hapert	2:27
NC	Vennenbos 655 5527JK Hapert	2:28
ND	Vennenbos 656 5527JK Hapert	2:26
NE	Vennenbos 657 5527JK Hapert	2:25
NF	Vennenbos 658 5527JK Hapert	2:18
NG	Vennenbos 659 5527JK Hapert	2:14
NH	Vennenbos 660 5527JK Hapert	2:10
NI	Vennenbos 661 5527JK Hapert	2:04
NJ	Vennenbos 662 5527JK Hapert	2:02
NK	Vennenbos 663 5527JK Hapert	2:00
NL	Vennenbos 664 5527JK Hapert	1:54
NM	Vennenbos 665 5527JK Hapert	1:51

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:53
NO	Vennenbos 667 5527JK Hapert	1:51
NP	Vennenbos 668 5527JK Hapert	1:53
NQ	Vennenbos 669 5527JK Hapert	1:51
NR	Vennenbos 670 5527JK Hapert	1:52
NS	Vennenbos 671 5527JK Hapert	1:50
NT	Vennenbos 672 5527JK Hapert	1:44
NU	Vennenbos 673 5527JK Hapert	1:36
NV	Vennenbos 674 5527JK Hapert	1:36
NW	Vennenbos 675 5527JK Hapert	1:29
NX	Vennenbos 676 5527JK Hapert	1:28
NY	Vennenbos 701 5527JK Hapert	3:00
NZ	Vennenbos 702 5527JK Hapert	2:57
OA	Vennenbos 703 5527JK Hapert	2:49
OB	Vennenbos 704 5527JK Hapert	2:48
OC	Vennenbos 705 5527JK Hapert	2:44
OD	Vennenbos 706 5527JK Hapert	2:34
OE	Vennenbos 707 5527JK Hapert	2:33
OF	Vennenbos 708 5527JK Hapert	2:24
OG	Vennenbos 709 5527JK Hapert	2:25
OH	Vennenbos 710 5527JK Hapert	2:23
OI	Vennenbos 711 5527JK Hapert	2:23
OJ	Vennenbos 712 5527JK Hapert	2:53
OK	Vennenbos 713 5527JK Hapert	2:13
OL	Vennenbos 714 5527JK Hapert	2:01
OM	Vennenbos 715 5527JK Hapert	1:44
ON	Vennenbos 716 5527JK Hapert	1:42
OO	Vennenbos 717 5527JK Hapert	1:31
OP	Vennenbos 718 5527JK Hapert	1:29
OQ	Vennenbos 719 5527JK Hapert	1:20
OR	Vennenbos 720 5527JK Hapert	0:55
OS	Vennenbos 721 5527JK Hapert	0:41
OT	Vennenbos 722 5527JK Hapert	0:38
OU	Vennenbos 723 5527JK Hapert	0:34
OV	Vennenbos 724 5527JK Hapert	0:21
OW	Vennenbos 725 5527JK Hapert	0:17
OX	Vennenbos 726 5527JK Hapert	0:14
OY	Vennenbos 727 5527JK Hapert	0:12
OZ	Vennenbos 728 5527JK Hapert	0:04
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:01
PW	Vennenbos 751 5527JK Hapert	0:08
PX	Vennenbos 752 5527JK Hapert	0:29

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:43
PZ	Vennenbos 754 5527JK Hapert	0:51
QA	Vennenbos 755 5527JK Hapert	0:52
QB	Vennenbos 756 5527JK Hapert	1:11
QC	Vennenbos 757 5527JK Hapert	1:21
QD	Vennenbos 758 5527JK Hapert	1:21
QE	Vennenbos 759 5527JK Hapert	1:22
QF	Vennenbos 760 5527JK Hapert	1:26
QG	Vennenbos 761 5527JK Hapert	1:19
QH	Vennenbos 801 5527JK Hapert	3:25
QI	Vennenbos 802 5527JK Hapert	3:35
QJ	Vennenbos 803 5527JK Hapert	3:41
QK	Vennenbos 804 5527JK Hapert	4:10
QL	Vennenbos 805 5527JK Hapert	4:11
QM	Vennenbos 806 5527JK Hapert	4:08
QN	Vennenbos 807 5527JK Hapert	4:07
QO	Vennenbos 808 5527JK Hapert	4:03
QP	Vennenbos 809 5527JK Hapert	4:04
QQ	Vennenbos 810 5527JK Hapert	4:02
QR	Vennenbos 811 5527JK Hapert	4:00
QS	Vennenbos 812 5527JK Hapert	4:05
QT	Vennenbos 813 5527JK Hapert	4:06
QU	Vennenbos 814 5527JK Hapert	4:06
QV	Vennenbos 815 5527JK Hapert	4:07
QW	Vennenbos 816 5527JK Hapert	4:10
QX	Vennenbos 817 5527JK Hapert	4:11
QY	Vennenbos 818 5527JK Hapert	4:14
QZ	Vennenbos 819 5527JK Hapert	4:14
RA	Vennenbos 820 5527JK Hapert	4:12
RB	Vennenbos 821 5527JK Hapert	4:11
RC	Vennenbos 822 5527JK Hapert	4:09
RD	Vennenbos 823 5527JK Hapert	4:06
RE	Vennenbos 824 5527JK Hapert	4:04
RF	Vennenbos 825 5527JK Hapert	4:03
RG	Vennenbos 826 5527JK Hapert	4:01
RH	Vennenbos 827 5527JK Hapert	3:58
RI	Vennenbos 828 5527JK Hapert	3:57
RJ	Vennenbos 829 5527JK Hapert	5:16
RK	Vennenbos 830 5527JK Hapert	5:16
RL	Vennenbos 831 5527JK Hapert	5:15
RM	Vennenbos 832 5527JK Hapert	5:12
RN	Vennenbos 833 5527JK Hapert	5:12
RO	Vennenbos 834 5527JK Hapert	5:12
RP	Vennenbos 835 5527JK Hapert	5:09
RQ	Vennenbos 836 5527JK Hapert	5:06
RR	Vennenbos 837 5527JK Hapert	5:02
RS	Vennenbos 838 5527JK Hapert	4:58
RT	Vennenbos 839 5527JK Hapert	4:55
RU	Vennenbos 840 5527JK Hapert	4:52
RV	Vennenbos 841 5527JK Hapert	4:50
RW	Vennenbos 842 5527JK Hapert	4:30
RX	Vennenbos 843 5527JK Hapert	4:27
RY	Vennenbos 844 5527JK Hapert	4:23
RZ	Vennenbos 845 5527JK Hapert	3:24
SA	Vennenbos 846 5527JK Hapert	3:31
SB	Vennenbos 847 5527JK Hapert	4:15
SC	Vennenbos 848 5527JK Hapert	4:12
SD	Vennenbos 849 5527JK Hapert	4:09
SE	Vennenbos 850 5527JK Hapert	4:10
SF	Vennenbos 851 5527JK Hapert	4:15
SG	Vennenbos 852 5527JK Hapert	4:14
SH	Vennenbos 853 5527JK Hapert	4:05
SI	Vennenbos 854 5527JK Hapert	4:06

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	4:04
	SK Vennenbos 856 5527JK Hapert	3:51
	SL Vennenbos 857 5527JK Hapert	3:49
	SM Vennenbos 858 5527JK Hapert	3:38
	SN Vennenbos 859 5527JK Hapert	3:03
	SO Vennenbos 860 5527JK Hapert	3:01
	SP Vennenbos 861 5527JK Hapert	3:01
	SQ Vennenbos 862 5527JK Hapert	2:47
	SR Vennenbos 863 5527JK Hapert	2:25
	SS Vennenbos 864 5527JK Hapert	4:11
	ST Vennenbos 865 5527JK Hapert	4:15
	SU Vennenbos 866 5527JK Hapert	4:29
	SV Vennenbos 867 5527JK Hapert	4:39
	SW Vennenbos 868 5527JK Hapert	4:58
	SX Vennenbos 869 5527JK Hapert	5:03
	SY Vennenbos 870 5527JK Hapert	4:33
	SZ Vennenbos 871 5527JK Hapert	4:24
	TA Vennenbos 872 5527JK Hapert	4:21
	TB Vennenbos 873 5527JK Hapert	4:14
	TC Vennenbos 874 5527JK Hapert	3:45
	TD Vennenbos 875 5527JK Hapert	3:38
	TE Vennenbos 876 5527JK Hapert	3:34
	TF Vennenbos 877 5527JK Hapert	3:29
	TG Vennenbos 878 5527JK Hapert	3:25
	TH Vennenbos 879 5527JK Hapert	3:23
	TI Vennenbos 880 5527JK Hapert	3:15
	TJ Vennenbos 881 5527JK Hapert	3:15
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:45
	TN Vennenbos 548 5527JK Hapert	2:44
	TO Vennenbos 549 5527JK Hapert	2:42

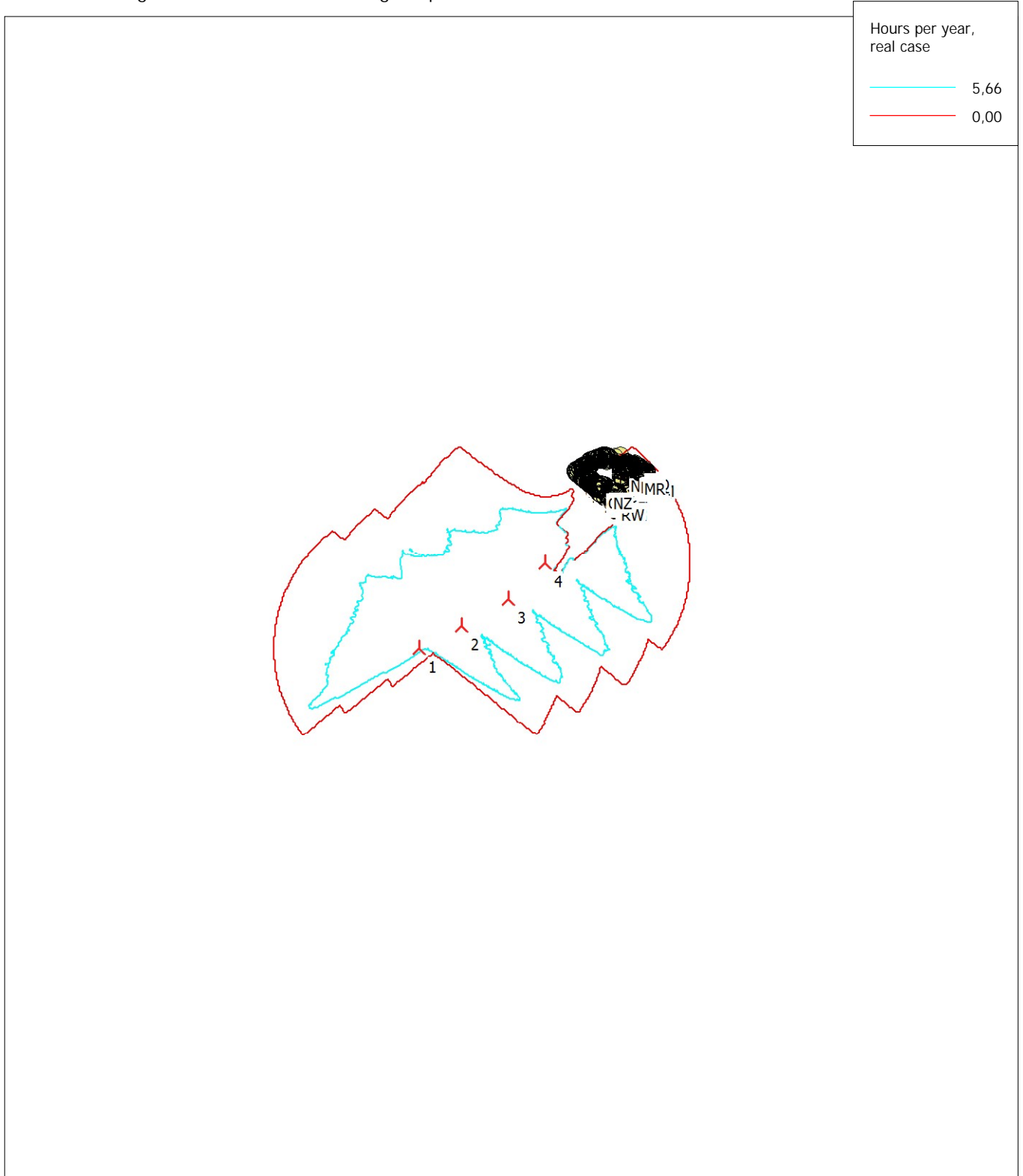
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (462)	0:00	0:00
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (463)	0:00	0:00
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (464)	41:38	4:43
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 160,0 m (TOT: 239,0 m) (465)	114:11	13:54

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 2 - Bungaluwpark - inclusief obstakels



Hours per year, real case	
—	5,66
—	0,00

0 1 2 3 4 km

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



▲ New WTG

● Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	cw	[°]		[m]
A	Akkerweg 6	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Troprijt 7	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values	
		Shadow hours	per year
		[h/year]	
A	Akkerweg 6 5531NT Bladel	0:00	
B	Bredasebaan 34 5531NC Bladel	0:00	
C	Bredasebaan 35 5531NC Bladel	0:00	
D	Bredasebaan 37 5531NC Bladel	0:00	
E	Bredasebaan 37A 5531NC Bladel	0:00	
F	Bredasebaan 38 5531NC Bladel	0:00	
G	Bredasebaan 42 5531NC Bladel	0:00	
H	Bredasebaan 44 5531NC Bladel	0:00	
I	De Pals 1 5527PA Hapert	10:51	
J	De Pals 2 5527PA Hapert	13:25	
K	Groot Terkooijen 3 5531NV Bladel	0:00	
L	Groot Terkooijen 11 5531NV Bladel	0:00	
M	Troprijt 4 5531NA Bladel	0:00	
N	Troprijt 5 5531NA Bladel	0:00	
O	Troprijt 6 5531NA Bladel	0:00	
P	Troprijt 7 5531NA Bladel	0:00	
Q	Troprijt 10A 5531NA Bladel	0:00	
R	Troprijt 11 5531NA Bladel	0:00	
S	Troprijt 14 5531NA Bladel	9:31	
T	Troprijt 15 5531NA Bladel	4:29	
U	Troprijt 19 5531NA Bladel	7:35	
V	Troprijt 21 5531NA Bladel	8:16	
W	Bredasebaan 40 5531NC Bladel	0:00	
X	Bredasebaan 39 5531NC Bladel	0:00	

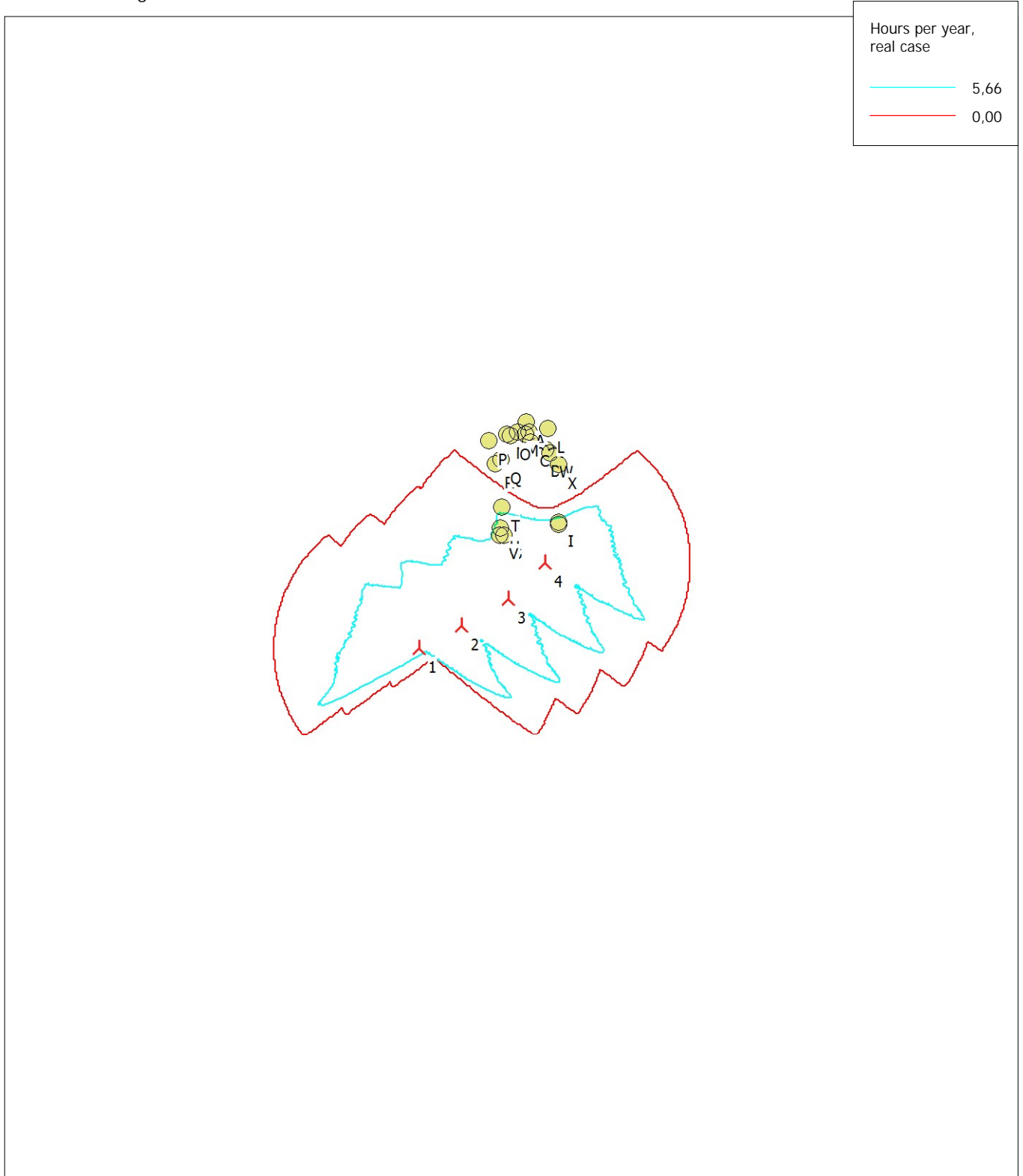
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name		Worst case	Expected
			[h/year]	[h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 120,0 m (TOT: 199,0 m) (466)	0:00	0:00
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 120,0 m (TOT: 199,0 m) (467)	15:13	1:33
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 120,0 m (TOT: 199,0 m) (468)	12:40	1:14
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O!	hub: 120,0 m (TOT: 199,0 m) (469)	231:29	28:32

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 3



0 1 2 3 4 km

New WTG

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Cumulatie
Assumptions for shadow calculations

Maximum distance for influence 1.920 m

All coordinates are in
Dutch Stereo-RD/NAP 2008



▲ New WTG

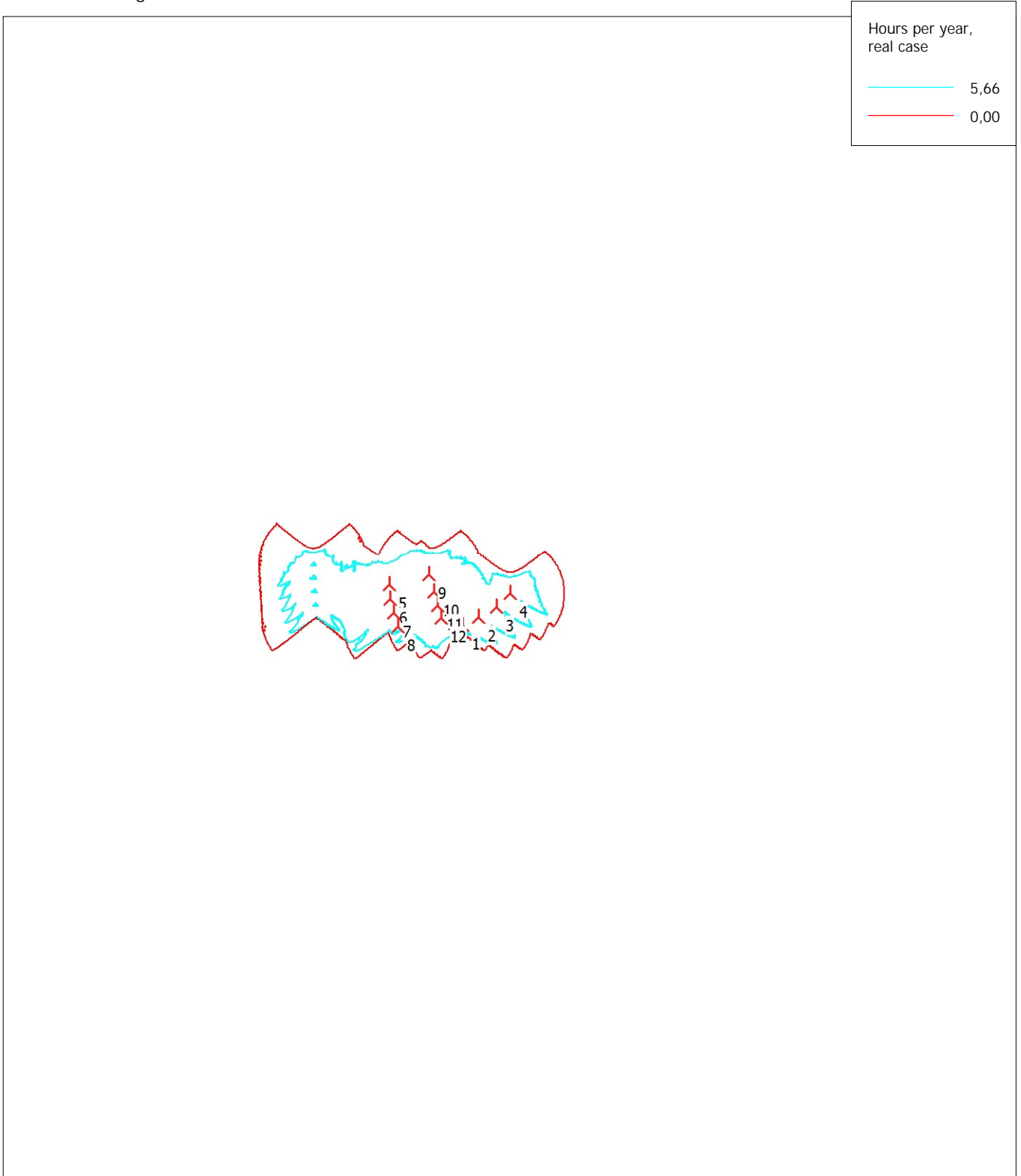
★ Existing WTG

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
					Valid	Manufact.					
1	142.814	370.226	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
2	143.381	370.515	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
3	144.008	370.872	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
4	144.498	371.343	0,0	GE WIND ENERGY Ref. Turbine 4800 1...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
5	140.201	371.659	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
6	140.211	371.164	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
7	140.357	370.673	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
8	140.513	370.197	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
9	141.601	372.007	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
10	141.781	371.409	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
11	141.913	370.919	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
12	142.030	370.480	0,0	refturbine Ref. Turbine 4800 170.0 !O! ...	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
13	137.491	372.394	0,0	Laarakkerdijk 1	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
14	137.515	371.916	0,0	Laarakkerdijk 2	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
15	137.538	371.438	0,0	Laarakkerdijk 3	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
16	137.561	370.961	0,0	Laarakkerdijk 4	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
17	137.585	370.483	0,0	Laarakkerdijk 5	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9

SHADOW - Map

Calculation: Slagschaduw Alternatief 3 - Cumulatie



0 2,5 5 7,5 10km

Map: Blank map , Print scale 1:200.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

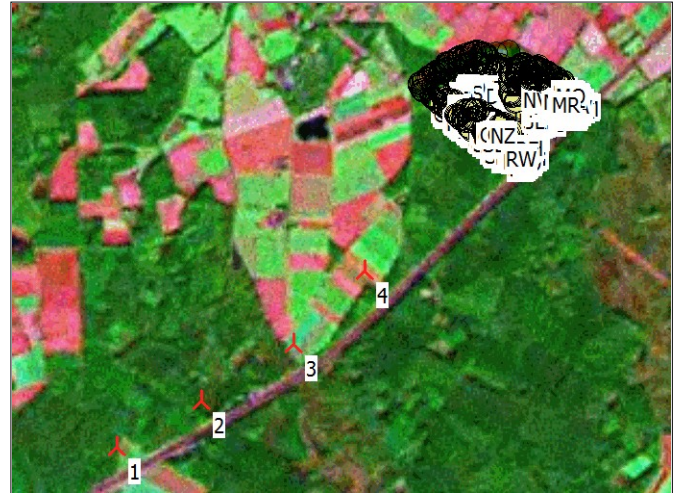
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000

▲ New WTG

👤 Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungalowpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
FC	Vennenbos 259	5527JK Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
KA	Vennenbos 525	5527JK Hapert	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	5527JK Hapert	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	5527JK Hapert	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	5527JK Hapert	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	5527JK Hapert	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	5527JK Hapert	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	5527JK Hapert	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	5527JK Hapert	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	5527JK Hapert	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	5527JK Hapert	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	5527JK Hapert	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	5527JK Hapert	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	5527JK Hapert	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	5527JK Hapert	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	5527JK Hapert	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	5527JK Hapert	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	5527JK Hapert	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	5527JK Hapert	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	5527JK Hapert	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	5527JK Hapert	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	5527JK Hapert	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	5527JK Hapert	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	Hapert	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	5527JK Hapert	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	5527JK Hapert	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	5527JK Hapert	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	5527JK Hapert	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	5527JK Hapert	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	5527JK Hapert	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	5527JK Hapert	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	5527JK Hapert	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	5527JK Hapert	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	5527JK Hapert	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	5527JK Hapert	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	5527JK Hapert	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	5527JK Hapert	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	5527JK Hapert	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	5527JK Hapert	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	5527JK Hapert	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	5527JK Hapert	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	5527JK Hapert	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	5527JK Hapert	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	5527JK Hapert	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	5527JK Hapert	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	5527JK Hapert	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	5527JK Hapert	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	5527JK Hapert	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	5527JK Hapert	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	5527JK Hapert	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	5527JK Hapert	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	5527JK Hapert	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	5527JK Hapert	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	5527JK Hapert	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	5527JK Hapert	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	5527JK Hapert	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	5527JK Hapert	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	5527JK Hapert	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	5527JK Hapert	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	5527JK Hapert	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	5527JK Hapert	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	5527JK Hapert	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	5527JK Hapert	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	5527JK Hapert	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	5527JK Hapert	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
OY	Vennenbos 727	5527JK Hapert	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	5527JK Hapert	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	5527JK Hapert	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	5527JK Hapert	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	5527JK Hapert	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	5527JK Hapert	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	5527JK Hapert	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	5527JK Hapert	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	5527JK Hapert	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	5527JK Hapert	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	5527JK Hapert	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	5527JK Hapert	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	5527JK Hapert	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	5527JK Hapert	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	5527JK Hapert	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	5527JK Hapert	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	5527JK Hapert	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	5527JK Hapert	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	5527JK Hapert	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	5527JK Hapert	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	5527JK Hapert	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	5527JK Hapert	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	5527JK Hapert	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	5527JK Hapert	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	5527JK Hapert	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	5527JK Hapert	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	5527JK Hapert	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	5527JK Hapert	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	5527JK Hapert	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	5527JK Hapert	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	5527JK Hapert	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	5527JK Hapert	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	5527JK Hapert	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	5527JK Hapert	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	5527JK Hapert	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	5527JK Hapert	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	5527JK Hapert	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	5527JK Hapert	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	5527JK Hapert	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	5527JK Hapert	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	5527JK Hapert	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	5527JK Hapert	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	5527JK Hapert	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	5527JK Hapert	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	5527JK Hapert	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	5527JK Hapert	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	5527JK Hapert	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	5527JK Hapert	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	5527JK Hapert	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	5527JK Hapert	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	5527JK Hapert	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	5527JK Hapert	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	5527JK Hapert	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	5527JK Hapert	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	5527JK Hapert	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	5527JK Hapert	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	5527JK Hapert	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	5527JK Hapert	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	5527JK Hapert	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	5527JK Hapert	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	5527JK Hapert	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	5527JK Hapert	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	5527JK Hapert	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	5527JK Hapert	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungalowpark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	2:00
D	Vennenbos 1B 5527JK Hapert	2:50
E	Vennenbos 1C 5527JK Hapert	1:33
F	Vennenbos 1D 5527JK Hapert	3:29
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:45
I	Vennenbos 2 5527JK Hapert	0:16
J	Vennenbos 3 5527JK Hapert	0:23
K	Vennenbos 4 5527JK Hapert	0:28
L	Vennenbos 5 5527JK Hapert	0:34
M	Vennenbos 6 5527JK Hapert	0:38
N	Vennenbos 7 5527JK Hapert	0:33
O	Vennenbos 8 5527JK Hapert	0:31
P	Vennenbos 9 5527JK Hapert	0:27
Q	Vennenbos 10 5527JK Hapert	0:30
R	Vennenbos 11 5527JK Hapert	0:27
S	Vennenbos 12 5527JK Hapert	0:30
T	Vennenbos 13 5527JK Hapert	0:37
U	Vennenbos 14 5527JK Hapert	0:47
V	Vennenbos 15 5527JK Hapert	0:54
W	Vennenbos 16 5527JK Hapert	0:57
X	Vennenbos 17 5527JK Hapert	1:02
Y	Vennenbos 18 5527JK Hapert	1:05
Z	Vennenbos 19 5527JK Hapert	1:11
AA	Vennenbos 20 5527JK Hapert	1:16
AB	Vennenbos 21 5527JK Hapert	1:18
AC	Vennenbos 22 5527JK Hapert	1:23
AD	Vennenbos 23 5527JK Hapert	1:26
AE	Vennenbos 24 5527JK Hapert	1:22
AF	Vennenbos 25 5527JK Hapert	1:19
AG	Vennenbos 26 5527JK Hapert	1:15
AH	Vennenbos 27 5527JK Hapert	1:17
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:00
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:00
EI	Vennenbos 239 5527JK Hapert	0:00
EJ	Vennenbos 240 5527JK Hapert	0:00
EK	Vennenbos 241 5527JK Hapert	0:00
EL	Vennenbos 242 5527JK Hapert	0:00
EM	Vennenbos 243 5527JK Hapert	0:00
EN	Vennenbos 244 5527JK Hapert	0:00
EO	Vennenbos 245 5527JK Hapert	0:04
EP	Vennenbos 246 5527JK Hapert	0:10
EQ	Vennenbos 247 5527JK Hapert	0:00
ER	Vennenbos 248 5527JK Hapert	0:00
ES	Vennenbos 249 5527JK Hapert	0:00
ET	Vennenbos 250 5527JK Hapert	0:09
EU	Vennenbos 251 5527JK Hapert	0:11
EV	Vennenbos 252 5527JK Hapert	0:15
EW	Vennenbos 253 5527JK Hapert	0:25
EX	Vennenbos 254 5527JK Hapert	0:32
EY	Vennenbos 255 5527JK Hapert	0:38
EZ	Vennenbos 256 5527JK Hapert	0:41
FA	Vennenbos 257 5527JK Hapert	0:43
FB	Vennenbos 258 5527JK Hapert	0:42
FC	Vennenbos 259 5527JK Hapert	0:40
FD	Vennenbos 260 5527JK Hapert	0:39
FE	Vennenbos 261 5527JK Hapert	0:26
FF	Vennenbos 262 5527JK Hapert	0:30
FG	Vennenbos 263 5527JK Hapert	0:37
FH	Vennenbos 264 5527JK Hapert	0:44
FI	Vennenbos 265 5527JK Hapert	0:51
FJ	Vennenbos 266 5527JK Hapert	0:58
FK	Vennenbos 267 5527JK Hapert	1:01
FL	Vennenbos 268 5527JK Hapert	1:04
FM	Vennenbos 269 5527JK Hapert	1:10
FN	Vennenbos 270 5527JK Hapert	1:12
FO	Vennenbos 271 5527JK Hapert	1:24
FP	Vennenbos 272 5527JK Hapert	1:26
FQ	Vennenbos 273 5527JK Hapert	1:33
FR	Vennenbos 274 5527JK Hapert	1:35
FS	Vennenbos 275 5527JK Hapert	1:33
FT	Vennenbos 276 5527JK Hapert	1:31
FU	Vennenbos 277 5527JK Hapert	0:00
FV	Vennenbos 278 5527JK Hapert	0:00
FW	Vennenbos 279 5527JK Hapert	0:00
FX	Vennenbos 280 5527JK Hapert	0:00
FY	Vennenbos 281 5527JK Hapert	0:00
FZ	Vennenbos 282 5527JK Hapert	0:00
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:11
GL	Vennenbos 302 5527JK Hapert	0:15
GM	Vennenbos 303 5527JK Hapert	0:11
GN	Vennenbos 304 5527JK Hapert	0:06
GO	Vennenbos 305 5527JK Hapert	0:03
GP	Vennenbos 306 5527JK Hapert	0:00
GQ	Vennenbos 307 5527JK Hapert	0:00
GR	Vennenbos 308 5527JK Hapert	0:00
GS	Vennenbos 309 5527JK Hapert	0:00
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	1:17
HO	Vennenbos 401T Hapert	0:50
HP	Vennenbos 402 5527JK Hapert	1:27
HQ	Vennenbos 403 5527JK Hapert	1:36
HR	Vennenbos 404 5527JK Hapert	1:48
HS	Vennenbos 405 5527JK Hapert	1:57
HT	Vennenbos 406 5527JK Hapert	2:05
HU	Vennenbos 407 5527JK Hapert	2:06
HV	Vennenbos 408 5527JK Hapert	2:15
HW	Vennenbos 409 5527JK Hapert	2:18
HX	Vennenbos 410 5527JK Hapert	2:25
HY	Vennenbos 411 5527JK Hapert	2:27
HZ	Vennenbos 412 5527JK Hapert	2:30
IA	Vennenbos 413 5527JK Hapert	2:26
IB	Vennenbos 414 5527JK Hapert	2:23
IC	Vennenbos 415 5527JK Hapert	2:21
ID	Vennenbos 416 5527JK Hapert	2:31
IE	Vennenbos 417 5527JK Hapert	2:54
IF	Vennenbos 418 5527JK Hapert	2:56
IG	Vennenbos 419 5527JK Hapert	2:58
IH	Vennenbos 420 5527JK Hapert	2:59
II	Vennenbos 421 5527JK Hapert	3:03
IJ	Vennenbos 422 5527JK Hapert	3:04
IK	Vennenbos 423 5527JK Hapert	3:05
IL	Vennenbos 424 5527JK Hapert	3:07
IM	Vennenbos 425 5527JK Hapert	3:08
IN	Vennenbos 426 5527JK Hapert	3:09
IO	Vennenbos 427 5527JK Hapert	3:10
IP	Vennenbos 428 5527JK Hapert	3:09
IQ	Vennenbos 429 5527JK Hapert	3:09

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:06
IS	Vennenbos 431 5527JK Hapert	3:01
IT	Vennenbos 432 5527JK Hapert	3:01
IU	Vennenbos 433 5527JK Hapert	2:57
IV	Vennenbos 434 5527JK Hapert	2:57
IW	Vennenbos 435 5527JK Hapert	2:51
IX	Vennenbos 436 5527JK Hapert	2:50
IY	Vennenbos 437 5527JK Hapert	2:43
IZ	Vennenbos 438 5527JK Hapert	2:41
JA	Vennenbos 439 5527JK Hapert	2:34
JB	Vennenbos 440 5527JK Hapert	2:32
JC	Vennenbos 501 5527JK Hapert	2:33
JD	Vennenbos 502 5527JK Hapert	2:33
JE	Vennenbos 503 5527JK Hapert	2:34
JF	Vennenbos 504 5527JK Hapert	2:34
JG	Vennenbos 505 5527JK Hapert	2:36
JH	Vennenbos 506 5527JK Hapert	2:36
JI	Vennenbos 507 5527JK Hapert	2:38
JJ	Vennenbos 508 5527JK Hapert	2:38
JK	Vennenbos 509 5527JK Hapert	2:20
JL	Vennenbos 510 5527JK Hapert	2:17
JM	Vennenbos 511 5527JK Hapert	2:14
JN	Vennenbos 512 5527JK Hapert	2:08
JO	Vennenbos 513 5527JK Hapert	2:02
JP	Vennenbos 514 5527JK Hapert	1:55
JQ	Vennenbos 515 5527JK Hapert	1:48
JR	Vennenbos 516 5527JK Hapert	1:16
JS	Vennenbos 517 5527JK Hapert	1:10
JT	Vennenbos 518 5527JK Hapert	1:04
JU	Vennenbos 519 5527JK Hapert	0:58
JV	Vennenbos 520 5527JK Hapert	1:19
JW	Vennenbos 521 5527JK Hapert	1:25
JX	Vennenbos 522 5527JK Hapert	1:31
JY	Vennenbos 523 5527JK Hapert	1:37
JZ	Vennenbos 524 5527JK Hapert	1:40
KA	Vennenbos 525 5527JK Hapert	1:38
KB	Vennenbos 526 5527JK Hapert	1:41
KC	Vennenbos 527 5527JK Hapert	1:35
KD	Vennenbos 528 5527JK Hapert	1:35
KE	Vennenbos 529 5527JK Hapert	1:40
KF	Vennenbos 530 5527JK Hapert	1:44
KG	Vennenbos 531 5527JK Hapert	1:47
KH	Vennenbos 532 5527JK Hapert	1:52
KI	Vennenbos 533 5527JK Hapert	1:55
KJ	Vennenbos 534 5527JK Hapert	1:59
KK	Vennenbos 535 5527JK Hapert	2:01
KL	Vennenbos 536 5527JK Hapert	2:04
KM	Vennenbos 537 5527JK Hapert	2:05
KN	Vennenbos 538 5527JK Hapert	2:08
KO	Vennenbos 539 5527JK Hapert	2:13
KP	Vennenbos 540 5527JK Hapert	2:14
KQ	Vennenbos 541 5527JK Hapert	2:14
KR	Vennenbos 542 5527JK Hapert	2:14
KS	Vennenbos 543 5527JK Hapert	2:13
KT	Vennenbos 544 5527JK Hapert	2:12
KU	Vennenbos 545 5527JK Hapert	2:10
KV	Vennenbos 546 5527JK Hapert	2:08
KW	Vennenbos 547T Hapert	2:13
KX	Vennenbos 901 5527JK Hapert	2:00
KY	Vennenbos 902 5527JK Hapert	2:00
KZ	Vennenbos 903 5527JK Hapert	1:59
LA	Vennenbos 601 5527JK Hapert	1:47
LB	Vennenbos 602 5527JK Hapert	1:41

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:39
LD	Vennenbos 604 5527JK Hapert	1:39
LE	Vennenbos 605 5527JK Hapert	1:39
LF	Vennenbos 606 5527JK Hapert	1:39
LG	Vennenbos 607 5527JK Hapert	1:35
LH	Vennenbos 608 5527JK Hapert	1:35
LI	Vennenbos 609 5527JK Hapert	1:33
LJ	Vennenbos 610 5527JK Hapert	1:30
LK	Vennenbos 611 5527JK Hapert	1:28
LL	Vennenbos 612 5527JK Hapert	1:27
LM	Vennenbos 613 5527JK Hapert	1:26
LN	Vennenbos 614 5527JK Hapert	1:24
LO	Vennenbos 615 5527JK Hapert	1:24
LP	Vennenbos 616 5527JK Hapert	1:25
LQ	Vennenbos 617 5527JK Hapert	1:40
LR	Vennenbos 618 5527JK Hapert	1:39
LS	Vennenbos 619 5527JK Hapert	1:37
LT	Vennenbos 620 5527JK Hapert	1:34
LU	Vennenbos 621 5527JK Hapert	1:35
LV	Vennenbos 622 5527JK Hapert	1:34
LW	Vennenbos 623 5527JK Hapert	1:50
LX	Vennenbos 624 5527JK Hapert	1:49
LY	Vennenbos 625 5527JK Hapert	1:48
LZ	Vennenbos 626 5527JK Hapert	1:52
MA	Vennenbos 627 5527JK Hapert	1:51
MB	Vennenbos 628 5527JK Hapert	1:52
MC	Vennenbos 629 5527JK Hapert	1:54
MD	Vennenbos 630 5527JK Hapert	1:53
ME	Vennenbos 631 5527JK Hapert	1:52
MF	Vennenbos 632 5527JK Hapert	1:49
MG	Vennenbos 633 5527JK Hapert	1:43
MH	Vennenbos 634 5527JK Hapert	1:45
MI	Vennenbos 635 5527JK Hapert	1:45
MJ	Vennenbos 636 5527JK Hapert	1:47
MK	Vennenbos 637 5527JK Hapert	1:46
ML	Vennenbos 638 5527JK Hapert	1:45
MM	Vennenbos 639 5527JK Hapert	1:30
MN	Vennenbos 640 5527JK Hapert	1:33
MO	Vennenbos 641 5527JK Hapert	1:37
MP	Vennenbos 642 5527JK Hapert	1:39
MQ	Vennenbos 643 5527JK Hapert	1:42
MR	Vennenbos 644 5527JK Hapert	1:56
MS	Vennenbos 645 5527JK Hapert	1:56
MT	Vennenbos 646 5527JK Hapert	1:53
MU	Vennenbos 647 5527JK Hapert	1:51
MV	Vennenbos 648 5527JK Hapert	1:48
MW	Vennenbos 649 5527JK Hapert	1:45
MX	Vennenbos 650 5527JK Hapert	1:44
MY	Vennenbos 651 5527JK Hapert	1:42
MZ	Vennenbos 652 5527JK Hapert	1:41
NA	Vennenbos 653 5527JK Hapert	1:42
NB	Vennenbos 654 5527JK Hapert	1:44
NC	Vennenbos 655 5527JK Hapert	1:46
ND	Vennenbos 656 5527JK Hapert	1:44
NE	Vennenbos 657 5527JK Hapert	1:41
NF	Vennenbos 658 5527JK Hapert	1:32
NG	Vennenbos 659 5527JK Hapert	1:26
NH	Vennenbos 660 5527JK Hapert	1:20
NI	Vennenbos 661 5527JK Hapert	1:15
NJ	Vennenbos 662 5527JK Hapert	1:13
NK	Vennenbos 663 5527JK Hapert	1:10
NL	Vennenbos 664 5527JK Hapert	1:03
NM	Vennenbos 665 5527JK Hapert	1:01

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:01
NO	Vennenbos 667 5527JK Hapert	0:59
NP	Vennenbos 668 5527JK Hapert	1:00
NQ	Vennenbos 669 5527JK Hapert	0:59
NR	Vennenbos 670 5527JK Hapert	0:59
NS	Vennenbos 671 5527JK Hapert	0:57
NT	Vennenbos 672 5527JK Hapert	0:48
NU	Vennenbos 673 5527JK Hapert	0:41
NV	Vennenbos 674 5527JK Hapert	0:39
NW	Vennenbos 675 5527JK Hapert	0:32
NX	Vennenbos 676 5527JK Hapert	0:30
NY	Vennenbos 701 5527JK Hapert	1:40
NZ	Vennenbos 702 5527JK Hapert	1:37
OA	Vennenbos 703 5527JK Hapert	1:27
OB	Vennenbos 704 5527JK Hapert	1:25
OC	Vennenbos 705 5527JK Hapert	1:22
OD	Vennenbos 706 5527JK Hapert	1:11
OE	Vennenbos 707 5527JK Hapert	1:09
OF	Vennenbos 708 5527JK Hapert	1:00
OG	Vennenbos 709 5527JK Hapert	0:58
OH	Vennenbos 710 5527JK Hapert	0:55
OI	Vennenbos 711 5527JK Hapert	0:54
OJ	Vennenbos 712 5527JK Hapert	0:53
OK	Vennenbos 713 5527JK Hapert	0:43
OL	Vennenbos 714 5527JK Hapert	0:32
OM	Vennenbos 715 5527JK Hapert	0:14
ON	Vennenbos 716 5527JK Hapert	0:11
OO	Vennenbos 717 5527JK Hapert	0:00
OP	Vennenbos 718 5527JK Hapert	0:00
OQ	Vennenbos 719 5527JK Hapert	0:00
OR	Vennenbos 720 5527JK Hapert	0:00
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:00
QC	Vennenbos 757 5527JK Hapert	0:00
QD	Vennenbos 758 5527JK Hapert	0:00
QE	Vennenbos 759 5527JK Hapert	0:00
QF	Vennenbos 760 5527JK Hapert	0:00
QG	Vennenbos 761 5527JK Hapert	0:00
QH	Vennenbos 801 5527JK Hapert	2:13
QI	Vennenbos 802 5527JK Hapert	2:25
QJ	Vennenbos 803 5527JK Hapert	2:36
QK	Vennenbos 804 5527JK Hapert	3:13
QL	Vennenbos 805 5527JK Hapert	3:14
QM	Vennenbos 806 5527JK Hapert	3:11
QN	Vennenbos 807 5527JK Hapert	3:13
QO	Vennenbos 808 5527JK Hapert	3:10
QP	Vennenbos 809 5527JK Hapert	3:12
QQ	Vennenbos 810 5527JK Hapert	3:07
QR	Vennenbos 811 5527JK Hapert	3:09
QS	Vennenbos 812 5527JK Hapert	3:18
QT	Vennenbos 813 5527JK Hapert	3:19
QU	Vennenbos 814 5527JK Hapert	3:21
QV	Vennenbos 815 5527JK Hapert	3:26
QW	Vennenbos 816 5527JK Hapert	3:30
QX	Vennenbos 817 5527JK Hapert	3:34
QY	Vennenbos 818 5527JK Hapert	3:36
QZ	Vennenbos 819 5527JK Hapert	3:37
RA	Vennenbos 820 5527JK Hapert	3:38
RB	Vennenbos 821 5527JK Hapert	3:39
RC	Vennenbos 822 5527JK Hapert	3:39
RD	Vennenbos 823 5527JK Hapert	3:34
RE	Vennenbos 824 5527JK Hapert	3:34
RF	Vennenbos 825 5527JK Hapert	3:31
RG	Vennenbos 826 5527JK Hapert	3:29
RH	Vennenbos 827 5527JK Hapert	3:26
RI	Vennenbos 828 5527JK Hapert	3:26
RJ	Vennenbos 829 5527JK Hapert	4:08
RK	Vennenbos 830 5527JK Hapert	4:08
RL	Vennenbos 831 5527JK Hapert	4:10
RM	Vennenbos 832 5527JK Hapert	4:09
RN	Vennenbos 833 5527JK Hapert	4:13
RO	Vennenbos 834 5527JK Hapert	4:15
RP	Vennenbos 835 5527JK Hapert	4:16
RQ	Vennenbos 836 5527JK Hapert	4:16
RR	Vennenbos 837 5527JK Hapert	4:17
RS	Vennenbos 838 5527JK Hapert	4:15
RT	Vennenbos 839 5527JK Hapert	4:12
RU	Vennenbos 840 5527JK Hapert	4:09
RV	Vennenbos 841 5527JK Hapert	4:06
RW	Vennenbos 842 5527JK Hapert	4:02
RX	Vennenbos 843 5527JK Hapert	3:59
RY	Vennenbos 844 5527JK Hapert	3:58
RZ	Vennenbos 845 5527JK Hapert	2:02
SA	Vennenbos 846 5527JK Hapert	2:10
SB	Vennenbos 847 5527JK Hapert	2:36
SC	Vennenbos 848 5527JK Hapert	2:29
SD	Vennenbos 849 5527JK Hapert	2:24
SE	Vennenbos 850 5527JK Hapert	2:21
SF	Vennenbos 851 5527JK Hapert	2:24
SG	Vennenbos 852 5527JK Hapert	2:20
SH	Vennenbos 853 5527JK Hapert	2:07
SI	Vennenbos 854 5527JK Hapert	2:04

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	1:59
	SK Vennenbos 856 5527JK Hapert	1:41
	SL Vennenbos 857 5527JK Hapert	1:36
	SM Vennenbos 858 5527JK Hapert	1:22
	SN Vennenbos 859 5527JK Hapert	0:56
	SO Vennenbos 860 5527JK Hapert	0:54
	SP Vennenbos 861 5527JK Hapert	0:52
	SQ Vennenbos 862 5527JK Hapert	0:43
	SR Vennenbos 863 5527JK Hapert	0:28
	SS Vennenbos 864 5527JK Hapert	3:09
	ST Vennenbos 865 5527JK Hapert	3:14
	SU Vennenbos 866 5527JK Hapert	3:33
	SV Vennenbos 867 5527JK Hapert	3:46
	SW Vennenbos 868 5527JK Hapert	4:19
	SX Vennenbos 869 5527JK Hapert	4:26
	SY Vennenbos 870 5527JK Hapert	4:02
	SZ Vennenbos 871 5527JK Hapert	3:50
	TA Vennenbos 872 5527JK Hapert	3:47
	TB Vennenbos 873 5527JK Hapert	3:40
	TC Vennenbos 874 5527JK Hapert	3:33
	TD Vennenbos 875 5527JK Hapert	3:23
	TE Vennenbos 876 5527JK Hapert	3:19
	TF Vennenbos 877 5527JK Hapert	3:12
	TG Vennenbos 878 5527JK Hapert	3:08
	TH Vennenbos 879 5527JK Hapert	3:04
	TI Vennenbos 880 5527JK Hapert	2:55
	TJ Vennenbos 881 5527JK Hapert	2:57
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:06
	TN Vennenbos 548 5527JK Hapert	2:05
	TO Vennenbos 549 5527JK Hapert	2:04

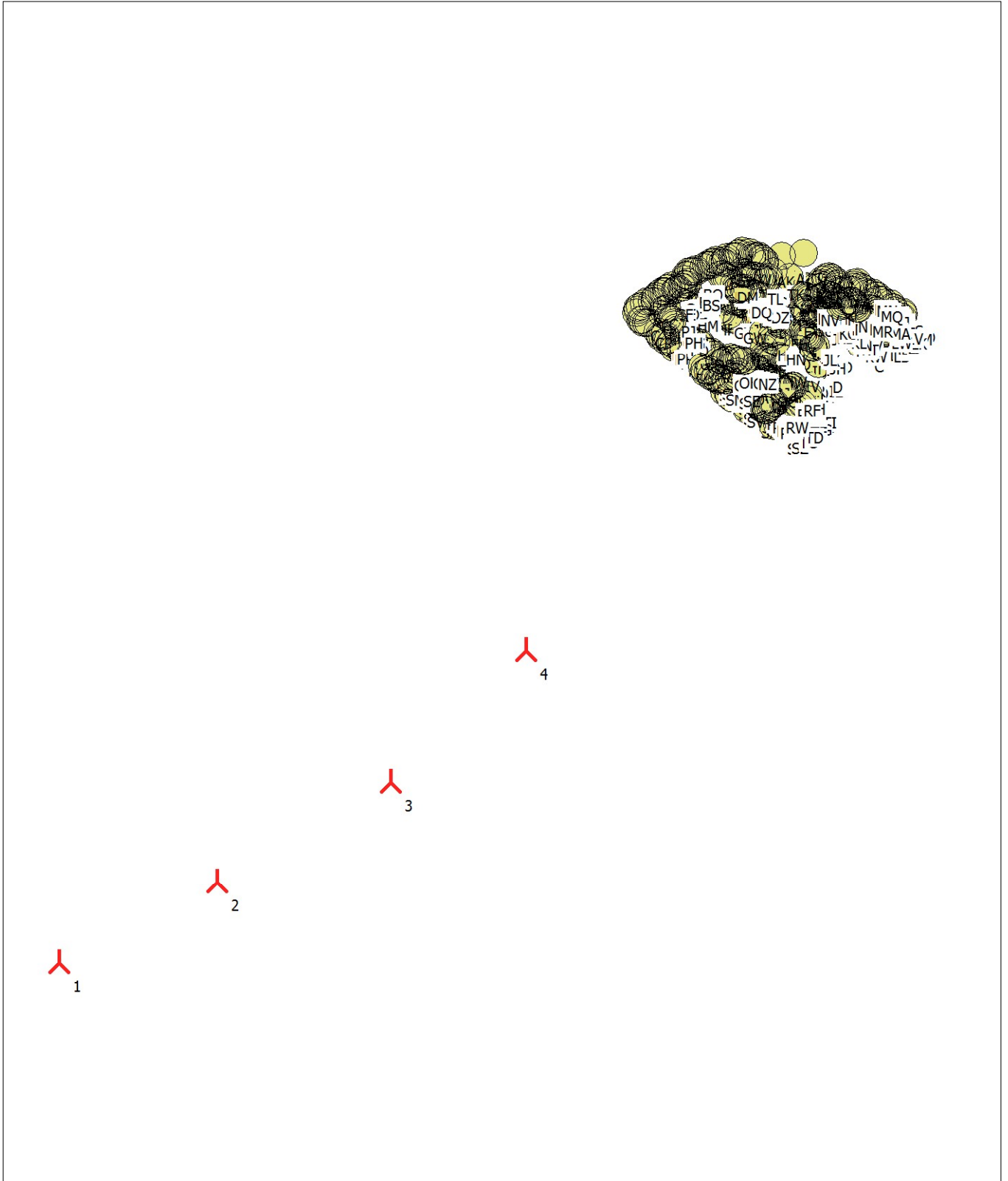
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (466)	0:00	0:00
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (467)	0:00	0:00
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (468)	27:24	3:02
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (469)	80:55	9:38

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 3 - Bungalowpark



0 250 500 750 1000m

Map: Blank map , Print scale 1:20.000, Map center Dutch Stereo-RD/NAP 2008 East: 144.338 North: 371.502

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

Assumptions for shadow calculations

Maximum distance for influence	1.920 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

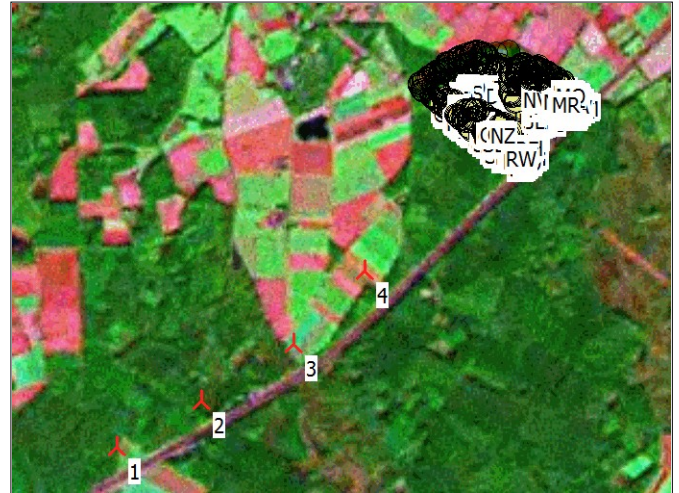
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000

▲ New WTG

● Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
				Valid	Manufact.					
1	142.814	370.226	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
2	143.381	370.515	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
3	144.008	370.872	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8
4	144.498	371.343	0,0 GE WIND ENERGY Ref. Turbine 4800 15...	Yes	GE WIND ENERGY	Ref. Turbine-4.800	4.800	158,0	120,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height	
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]	
								[°]	[°]			
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
FC	Vennenbos 259	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
							[m]	[°]	[°]		
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]
								[°]	[°]		
OY	Vennenbos 727	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height	
				[m]	[m]	[m]	a.g.l. [m]	south cw [°]	window [°]		(ZVI) a.g.l. [m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	2:00
D	Vennenbos 1B 5527JK Hapert	2:50
E	Vennenbos 1C 5527JK Hapert	1:33
F	Vennenbos 1D 5527JK Hapert	3:29
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:45
I	Vennenbos 2 5527JK Hapert	0:16
J	Vennenbos 3 5527JK Hapert	0:23
K	Vennenbos 4 5527JK Hapert	0:28
L	Vennenbos 5 5527JK Hapert	0:34
M	Vennenbos 6 5527JK Hapert	0:38
N	Vennenbos 7 5527JK Hapert	0:33
O	Vennenbos 8 5527JK Hapert	0:31
P	Vennenbos 9 5527JK Hapert	0:27
Q	Vennenbos 10 5527JK Hapert	0:30
R	Vennenbos 11 5527JK Hapert	0:27
S	Vennenbos 12 5527JK Hapert	0:30
T	Vennenbos 13 5527JK Hapert	0:37
U	Vennenbos 14 5527JK Hapert	0:47
V	Vennenbos 15 5527JK Hapert	0:54
W	Vennenbos 16 5527JK Hapert	0:57
X	Vennenbos 17 5527JK Hapert	1:02
Y	Vennenbos 18 5527JK Hapert	1:05
Z	Vennenbos 19 5527JK Hapert	1:11
AA	Vennenbos 20 5527JK Hapert	1:16
AB	Vennenbos 21 5527JK Hapert	1:18
AC	Vennenbos 22 5527JK Hapert	1:23
AD	Vennenbos 23 5527JK Hapert	1:26
AE	Vennenbos 24 5527JK Hapert	1:22
AF	Vennenbos 25 5527JK Hapert	1:19
AG	Vennenbos 26 5527JK Hapert	1:15
AH	Vennenbos 27 5527JK Hapert	1:17
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:00
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:00
EI	Vennenbos 239 5527JK Hapert	0:00
EJ	Vennenbos 240 5527JK Hapert	0:00
EK	Vennenbos 241 5527JK Hapert	0:00
EL	Vennenbos 242 5527JK Hapert	0:00
EM	Vennenbos 243 5527JK Hapert	0:00
EN	Vennenbos 244 5527JK Hapert	0:00
EO	Vennenbos 245 5527JK Hapert	0:04
EP	Vennenbos 246 5527JK Hapert	0:10
EQ	Vennenbos 247 5527JK Hapert	0:00
ER	Vennenbos 248 5527JK Hapert	0:00
ES	Vennenbos 249 5527JK Hapert	0:00
ET	Vennenbos 250 5527JK Hapert	0:09
EU	Vennenbos 251 5527JK Hapert	0:11
EV	Vennenbos 252 5527JK Hapert	0:15
EW	Vennenbos 253 5527JK Hapert	0:25
EX	Vennenbos 254 5527JK Hapert	0:32
EY	Vennenbos 255 5527JK Hapert	0:38
EZ	Vennenbos 256 5527JK Hapert	0:41
FA	Vennenbos 257 5527JK Hapert	0:43
FB	Vennenbos 258 5527JK Hapert	0:42
FC	Vennenbos 259 5527JK Hapert	0:40
FD	Vennenbos 260 5527JK Hapert	0:39
FE	Vennenbos 261 5527JK Hapert	0:26
FF	Vennenbos 262 5527JK Hapert	0:30
FG	Vennenbos 263 5527JK Hapert	0:37
FH	Vennenbos 264 5527JK Hapert	0:44
FI	Vennenbos 265 5527JK Hapert	0:51
FJ	Vennenbos 266 5527JK Hapert	0:58
FK	Vennenbos 267 5527JK Hapert	1:01
FL	Vennenbos 268 5527JK Hapert	1:04
FM	Vennenbos 269 5527JK Hapert	1:10
FN	Vennenbos 270 5527JK Hapert	1:12
FO	Vennenbos 271 5527JK Hapert	1:24
FP	Vennenbos 272 5527JK Hapert	1:26
FQ	Vennenbos 273 5527JK Hapert	1:33
FR	Vennenbos 274 5527JK Hapert	1:35
FS	Vennenbos 275 5527JK Hapert	1:33
FT	Vennenbos 276 5527JK Hapert	1:31
FU	Vennenbos 277 5527JK Hapert	0:00
FV	Vennenbos 278 5527JK Hapert	0:00
FW	Vennenbos 279 5527JK Hapert	0:00
FX	Vennenbos 280 5527JK Hapert	0:00
FY	Vennenbos 281 5527JK Hapert	0:00
FZ	Vennenbos 282 5527JK Hapert	0:00
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:11
GL	Vennenbos 302 5527JK Hapert	0:15
GM	Vennenbos 303 5527JK Hapert	0:11
GN	Vennenbos 304 5527JK Hapert	0:06
GO	Vennenbos 305 5527JK Hapert	0:03
GP	Vennenbos 306 5527JK Hapert	0:00
GQ	Vennenbos 307 5527JK Hapert	0:00
GR	Vennenbos 308 5527JK Hapert	0:00
GS	Vennenbos 309 5527JK Hapert	0:00
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	1:17
HO	Vennenbos 401T Hapert	0:50
HP	Vennenbos 402 5527JK Hapert	1:27
HQ	Vennenbos 403 5527JK Hapert	1:36
HR	Vennenbos 404 5527JK Hapert	1:48
HS	Vennenbos 405 5527JK Hapert	1:57
HT	Vennenbos 406 5527JK Hapert	2:05
HU	Vennenbos 407 5527JK Hapert	2:06
HV	Vennenbos 408 5527JK Hapert	2:15
HW	Vennenbos 409 5527JK Hapert	2:18
HX	Vennenbos 410 5527JK Hapert	2:25
HY	Vennenbos 411 5527JK Hapert	2:27
HZ	Vennenbos 412 5527JK Hapert	2:30
IA	Vennenbos 413 5527JK Hapert	2:26
IB	Vennenbos 414 5527JK Hapert	2:23
IC	Vennenbos 415 5527JK Hapert	2:21
ID	Vennenbos 416 5527JK Hapert	2:31
IE	Vennenbos 417 5527JK Hapert	2:54
IF	Vennenbos 418 5527JK Hapert	2:56
IG	Vennenbos 419 5527JK Hapert	2:58
IH	Vennenbos 420 5527JK Hapert	2:59
II	Vennenbos 421 5527JK Hapert	3:03
IJ	Vennenbos 422 5527JK Hapert	3:04
IK	Vennenbos 423 5527JK Hapert	3:05
IL	Vennenbos 424 5527JK Hapert	3:07
IM	Vennenbos 425 5527JK Hapert	3:08
IN	Vennenbos 426 5527JK Hapert	3:09
IO	Vennenbos 427 5527JK Hapert	3:10
IP	Vennenbos 428 5527JK Hapert	3:09
IQ	Vennenbos 429 5527JK Hapert	3:09

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungalowpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:06
IS	Vennenbos 431 5527JK Hapert	3:01
IT	Vennenbos 432 5527JK Hapert	3:01
IU	Vennenbos 433 5527JK Hapert	2:57
IV	Vennenbos 434 5527JK Hapert	2:57
IW	Vennenbos 435 5527JK Hapert	2:51
IX	Vennenbos 436 5527JK Hapert	2:50
IY	Vennenbos 437 5527JK Hapert	2:43
IZ	Vennenbos 438 5527JK Hapert	2:41
JA	Vennenbos 439 5527JK Hapert	2:34
JB	Vennenbos 440 5527JK Hapert	2:32
JC	Vennenbos 501 5527JK Hapert	2:33
JD	Vennenbos 502 5527JK Hapert	2:33
JE	Vennenbos 503 5527JK Hapert	2:34
JF	Vennenbos 504 5527JK Hapert	2:34
JG	Vennenbos 505 5527JK Hapert	2:36
JH	Vennenbos 506 5527JK Hapert	2:36
JI	Vennenbos 507 5527JK Hapert	2:38
JJ	Vennenbos 508 5527JK Hapert	2:38
JK	Vennenbos 509 5527JK Hapert	2:20
JL	Vennenbos 510 5527JK Hapert	2:17
JM	Vennenbos 511 5527JK Hapert	2:14
JN	Vennenbos 512 5527JK Hapert	2:08
JO	Vennenbos 513 5527JK Hapert	2:02
JP	Vennenbos 514 5527JK Hapert	1:55
JQ	Vennenbos 515 5527JK Hapert	1:48
JR	Vennenbos 516 5527JK Hapert	1:16
JS	Vennenbos 517 5527JK Hapert	1:10
JT	Vennenbos 518 5527JK Hapert	1:04
JU	Vennenbos 519 5527JK Hapert	0:58
JV	Vennenbos 520 5527JK Hapert	1:19
JW	Vennenbos 521 5527JK Hapert	1:25
JX	Vennenbos 522 5527JK Hapert	1:31
JY	Vennenbos 523 5527JK Hapert	1:37
JZ	Vennenbos 524 5527JK Hapert	1:40
KA	Vennenbos 525 5527JK Hapert	1:38
KB	Vennenbos 526 5527JK Hapert	1:41
KC	Vennenbos 527 5527JK Hapert	1:35
KD	Vennenbos 528 5527JK Hapert	1:35
KE	Vennenbos 529 5527JK Hapert	1:40
KF	Vennenbos 530 5527JK Hapert	1:44
KG	Vennenbos 531 5527JK Hapert	1:47
KH	Vennenbos 532 5527JK Hapert	1:52
KI	Vennenbos 533 5527JK Hapert	1:55
KJ	Vennenbos 534 5527JK Hapert	1:59
KK	Vennenbos 535 5527JK Hapert	2:01
KL	Vennenbos 536 5527JK Hapert	2:04
KM	Vennenbos 537 5527JK Hapert	2:05
KN	Vennenbos 538 5527JK Hapert	2:08
KO	Vennenbos 539 5527JK Hapert	2:13
KP	Vennenbos 540 5527JK Hapert	2:14
KQ	Vennenbos 541 5527JK Hapert	2:14
KR	Vennenbos 542 5527JK Hapert	2:14
KS	Vennenbos 543 5527JK Hapert	2:13
KT	Vennenbos 544 5527JK Hapert	2:12
KU	Vennenbos 545 5527JK Hapert	2:10
KV	Vennenbos 546 5527JK Hapert	2:08
KW	Vennenbos 547T Hapert	2:13
KX	Vennenbos 901 5527JK Hapert	2:00
KY	Vennenbos 902 5527JK Hapert	2:00
KZ	Vennenbos 903 5527JK Hapert	1:59
LA	Vennenbos 601 5527JK Hapert	1:47
LB	Vennenbos 602 5527JK Hapert	1:41

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:39
LD	Vennenbos 604 5527JK Hapert	1:39
LE	Vennenbos 605 5527JK Hapert	1:39
LF	Vennenbos 606 5527JK Hapert	1:39
LG	Vennenbos 607 5527JK Hapert	1:35
LH	Vennenbos 608 5527JK Hapert	1:35
LI	Vennenbos 609 5527JK Hapert	1:33
LJ	Vennenbos 610 5527JK Hapert	1:30
LK	Vennenbos 611 5527JK Hapert	1:28
LL	Vennenbos 612 5527JK Hapert	1:27
LM	Vennenbos 613 5527JK Hapert	1:26
LN	Vennenbos 614 5527JK Hapert	1:24
LO	Vennenbos 615 5527JK Hapert	1:24
LP	Vennenbos 616 5527JK Hapert	1:25
LQ	Vennenbos 617 5527JK Hapert	1:40
LR	Vennenbos 618 5527JK Hapert	1:39
LS	Vennenbos 619 5527JK Hapert	1:37
LT	Vennenbos 620 5527JK Hapert	1:34
LU	Vennenbos 621 5527JK Hapert	1:35
LV	Vennenbos 622 5527JK Hapert	1:34
LW	Vennenbos 623 5527JK Hapert	1:50
LX	Vennenbos 624 5527JK Hapert	1:49
LY	Vennenbos 625 5527JK Hapert	1:48
LZ	Vennenbos 626 5527JK Hapert	1:52
MA	Vennenbos 627 5527JK Hapert	1:51
MB	Vennenbos 628 5527JK Hapert	1:52
MC	Vennenbos 629 5527JK Hapert	1:54
MD	Vennenbos 630 5527JK Hapert	1:53
ME	Vennenbos 631 5527JK Hapert	1:52
MF	Vennenbos 632 5527JK Hapert	1:49
MG	Vennenbos 633 5527JK Hapert	1:43
MH	Vennenbos 634 5527JK Hapert	1:45
MI	Vennenbos 635 5527JK Hapert	1:45
MJ	Vennenbos 636 5527JK Hapert	1:47
MK	Vennenbos 637 5527JK Hapert	1:46
ML	Vennenbos 638 5527JK Hapert	1:45
MM	Vennenbos 639 5527JK Hapert	1:30
MN	Vennenbos 640 5527JK Hapert	1:33
MO	Vennenbos 641 5527JK Hapert	1:37
MP	Vennenbos 642 5527JK Hapert	1:39
MQ	Vennenbos 643 5527JK Hapert	1:42
MR	Vennenbos 644 5527JK Hapert	1:56
MS	Vennenbos 645 5527JK Hapert	1:56
MT	Vennenbos 646 5527JK Hapert	1:53
MU	Vennenbos 647 5527JK Hapert	1:51
MV	Vennenbos 648 5527JK Hapert	1:48
MW	Vennenbos 649 5527JK Hapert	1:45
MX	Vennenbos 650 5527JK Hapert	1:44
MY	Vennenbos 651 5527JK Hapert	1:42
MZ	Vennenbos 652 5527JK Hapert	1:41
NA	Vennenbos 653 5527JK Hapert	1:42
NB	Vennenbos 654 5527JK Hapert	1:44
NC	Vennenbos 655 5527JK Hapert	1:46
ND	Vennenbos 656 5527JK Hapert	1:44
NE	Vennenbos 657 5527JK Hapert	1:41
NF	Vennenbos 658 5527JK Hapert	1:32
NG	Vennenbos 659 5527JK Hapert	1:26
NH	Vennenbos 660 5527JK Hapert	1:20
NI	Vennenbos 661 5527JK Hapert	1:15
NJ	Vennenbos 662 5527JK Hapert	1:13
NK	Vennenbos 663 5527JK Hapert	1:10
NL	Vennenbos 664 5527JK Hapert	1:03
NM	Vennenbos 665 5527JK Hapert	1:01

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:01
NO	Vennenbos 667 5527JK Hapert	0:59
NP	Vennenbos 668 5527JK Hapert	1:00
NQ	Vennenbos 669 5527JK Hapert	0:59
NR	Vennenbos 670 5527JK Hapert	0:59
NS	Vennenbos 671 5527JK Hapert	0:57
NT	Vennenbos 672 5527JK Hapert	0:48
NU	Vennenbos 673 5527JK Hapert	0:41
NV	Vennenbos 674 5527JK Hapert	0:39
NW	Vennenbos 675 5527JK Hapert	0:32
NX	Vennenbos 676 5527JK Hapert	0:30
NY	Vennenbos 701 5527JK Hapert	1:40
NZ	Vennenbos 702 5527JK Hapert	1:37
OA	Vennenbos 703 5527JK Hapert	1:27
OB	Vennenbos 704 5527JK Hapert	1:25
OC	Vennenbos 705 5527JK Hapert	1:22
OD	Vennenbos 706 5527JK Hapert	1:11
OE	Vennenbos 707 5527JK Hapert	1:09
OF	Vennenbos 708 5527JK Hapert	1:00
OG	Vennenbos 709 5527JK Hapert	0:58
OH	Vennenbos 710 5527JK Hapert	0:55
OI	Vennenbos 711 5527JK Hapert	0:54
OJ	Vennenbos 712 5527JK Hapert	0:53
OK	Vennenbos 713 5527JK Hapert	0:43
OL	Vennenbos 714 5527JK Hapert	0:32
OM	Vennenbos 715 5527JK Hapert	0:14
ON	Vennenbos 716 5527JK Hapert	0:11
OO	Vennenbos 717 5527JK Hapert	0:00
OP	Vennenbos 718 5527JK Hapert	0:00
OQ	Vennenbos 719 5527JK Hapert	0:00
OR	Vennenbos 720 5527JK Hapert	0:00
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:00
QC	Vennenbos 757 5527JK Hapert	0:00
QD	Vennenbos 758 5527JK Hapert	0:00
QE	Vennenbos 759 5527JK Hapert	0:00
QF	Vennenbos 760 5527JK Hapert	0:00
QG	Vennenbos 761 5527JK Hapert	0:00
QH	Vennenbos 801 5527JK Hapert	2:13
QI	Vennenbos 802 5527JK Hapert	2:25
QJ	Vennenbos 803 5527JK Hapert	2:36
QK	Vennenbos 804 5527JK Hapert	3:13
QL	Vennenbos 805 5527JK Hapert	3:14
QM	Vennenbos 806 5527JK Hapert	3:11
QN	Vennenbos 807 5527JK Hapert	3:13
QO	Vennenbos 808 5527JK Hapert	3:10
QP	Vennenbos 809 5527JK Hapert	3:12
QQ	Vennenbos 810 5527JK Hapert	3:07
QR	Vennenbos 811 5527JK Hapert	3:09
QS	Vennenbos 812 5527JK Hapert	3:18
QT	Vennenbos 813 5527JK Hapert	3:19
QU	Vennenbos 814 5527JK Hapert	3:21
QV	Vennenbos 815 5527JK Hapert	3:26
QW	Vennenbos 816 5527JK Hapert	3:30
QX	Vennenbos 817 5527JK Hapert	3:34
QY	Vennenbos 818 5527JK Hapert	3:36
QZ	Vennenbos 819 5527JK Hapert	3:37
RA	Vennenbos 820 5527JK Hapert	3:38
RB	Vennenbos 821 5527JK Hapert	3:39
RC	Vennenbos 822 5527JK Hapert	3:39
RD	Vennenbos 823 5527JK Hapert	3:34
RE	Vennenbos 824 5527JK Hapert	3:34
RF	Vennenbos 825 5527JK Hapert	3:31
RG	Vennenbos 826 5527JK Hapert	3:29
RH	Vennenbos 827 5527JK Hapert	3:26
RI	Vennenbos 828 5527JK Hapert	3:26
RJ	Vennenbos 829 5527JK Hapert	4:08
RK	Vennenbos 830 5527JK Hapert	4:08
RL	Vennenbos 831 5527JK Hapert	4:10
RM	Vennenbos 832 5527JK Hapert	4:09
RN	Vennenbos 833 5527JK Hapert	4:13
RO	Vennenbos 834 5527JK Hapert	4:15
RP	Vennenbos 835 5527JK Hapert	4:16
RQ	Vennenbos 836 5527JK Hapert	4:16
RR	Vennenbos 837 5527JK Hapert	4:17
RS	Vennenbos 838 5527JK Hapert	4:15
RT	Vennenbos 839 5527JK Hapert	4:12
RU	Vennenbos 840 5527JK Hapert	4:09
RV	Vennenbos 841 5527JK Hapert	4:06
RW	Vennenbos 842 5527JK Hapert	4:02
RX	Vennenbos 843 5527JK Hapert	3:59
RY	Vennenbos 844 5527JK Hapert	3:58
RZ	Vennenbos 845 5527JK Hapert	2:02
SA	Vennenbos 846 5527JK Hapert	2:10
SB	Vennenbos 847 5527JK Hapert	2:36
SC	Vennenbos 848 5527JK Hapert	2:29
SD	Vennenbos 849 5527JK Hapert	2:24
SE	Vennenbos 850 5527JK Hapert	2:21
SF	Vennenbos 851 5527JK Hapert	2:24
SG	Vennenbos 852 5527JK Hapert	2:20
SH	Vennenbos 853 5527JK Hapert	2:07
SI	Vennenbos 854 5527JK Hapert	1:51

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	1:47
	SK Vennenbos 856 5527JK Hapert	1:35
	SL Vennenbos 857 5527JK Hapert	1:32
	SM Vennenbos 858 5527JK Hapert	1:22
	SN Vennenbos 859 5527JK Hapert	0:56
	SO Vennenbos 860 5527JK Hapert	0:54
	SP Vennenbos 861 5527JK Hapert	0:52
	SQ Vennenbos 862 5527JK Hapert	0:43
	SR Vennenbos 863 5527JK Hapert	0:28
	SS Vennenbos 864 5527JK Hapert	2:49
	ST Vennenbos 865 5527JK Hapert	2:55
	SU Vennenbos 866 5527JK Hapert	0:00
	SV Vennenbos 867 5527JK Hapert	0:00
	SW Vennenbos 868 5527JK Hapert	4:12
	SX Vennenbos 869 5527JK Hapert	4:23
	SY Vennenbos 870 5527JK Hapert	4:02
	SZ Vennenbos 871 5527JK Hapert	3:50
	TA Vennenbos 872 5527JK Hapert	3:47
	TB Vennenbos 873 5527JK Hapert	3:40
	TC Vennenbos 874 5527JK Hapert	3:33
	TD Vennenbos 875 5527JK Hapert	3:23
	TE Vennenbos 876 5527JK Hapert	3:19
	TF Vennenbos 877 5527JK Hapert	3:12
	TG Vennenbos 878 5527JK Hapert	3:08
	TH Vennenbos 879 5527JK Hapert	3:04
	TI Vennenbos 880 5527JK Hapert	2:55
	TJ Vennenbos 881 5527JK Hapert	2:57
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:06
	TN Vennenbos 548 5527JK Hapert	2:05
	TO Vennenbos 549 5527JK Hapert	2:04

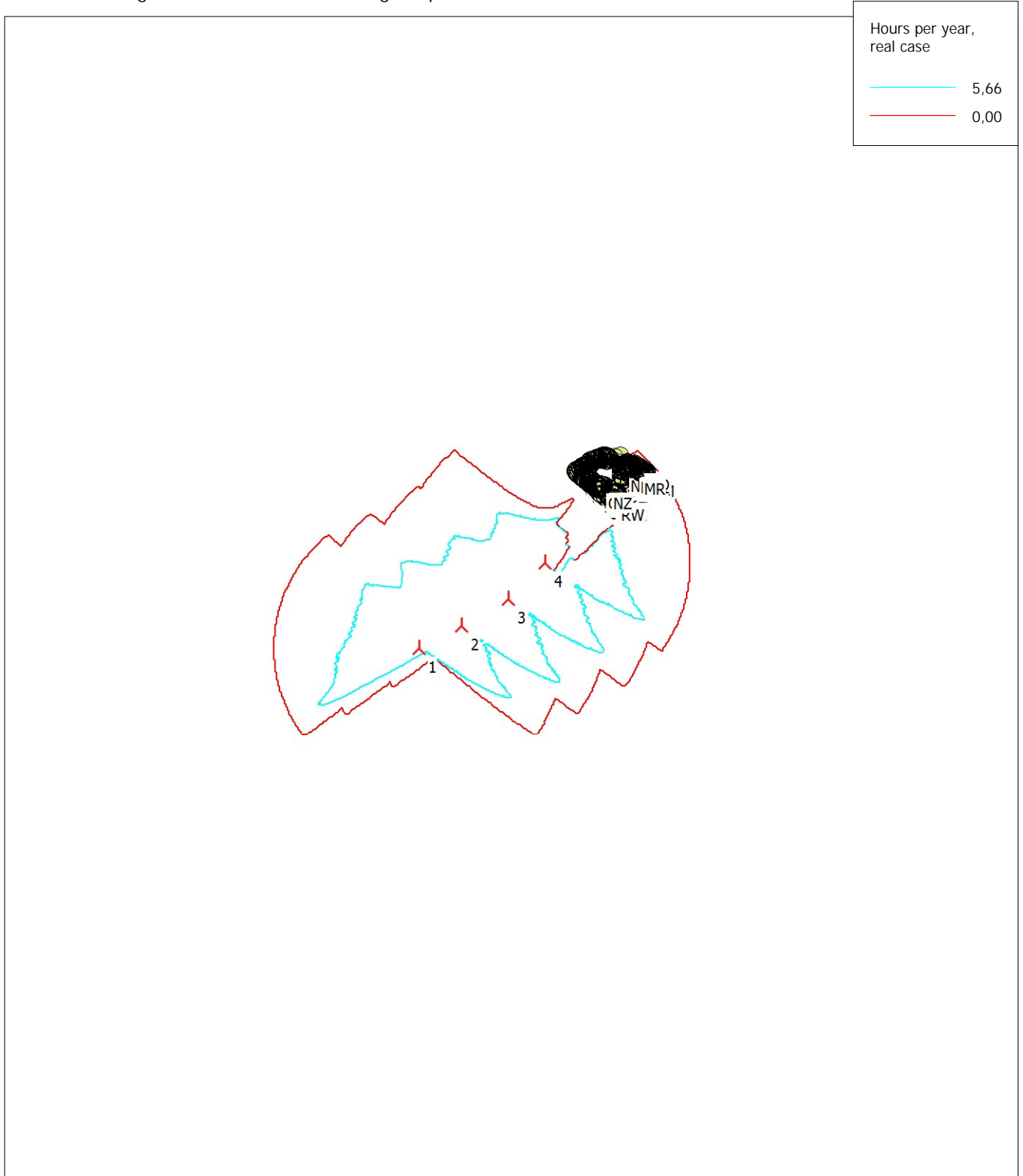
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (466)	0:00	0:00
2	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (467)	0:00	0:00
3	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (468)	26:33	2:57
4	GE WIND ENERGY Ref. Turbine 4800 158.0 !O! hub: 120,0 m (TOT: 199,0 m) (469)	80:34	9:35

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Alternatief 3 - Bungaluwpark - inclusief obstakels



New WTG

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: 181106 Slagschaduw VKA Ondergrens

Assumptions for shadow calculations

Maximum distance for influence 1.980 m
 Minimum sun height over horizon for influence 3 °
 Day step for calculation 1 days
 Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in Dutch Stereo-RD/NAP 2008



Scale 1:75.000
 ▲ New WTG ● Shadow receptor

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0	refturbine Ref. Turbine 4800 145,0 !O! hub: 145,... Yes	refturbine	Ref. Turbine-4.800	4.800	4.800	145,0	145,0	8,8
2	143.379	370.536	0,0	refturbine Ref. Turbine 4800 145,0 !O! hub: 145,... Yes	refturbine	Ref. Turbine-4.800	4.800	4.800	145,0	145,0	8,8
3	144.032	370.911	0,0	refturbine Ref. Turbine 4800 145,0 !O! hub: 145,... Yes	refturbine	Ref. Turbine-4.800	4.800	4.800	145,0	145,0	8,8
4	144.457	371.313	0,0	refturbine Ref. Turbine 4800 145,0 !O! hub: 145,... Yes	refturbine	Ref. Turbine-4.800	4.800	4.800	145,0	145,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	cw [°]	[°]		[m]
A	Akkerweg 6	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Troprijt 7	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: 181106 Slagschaduw VKA Ondergrens

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values	
		Shadow hours	per year
		[h/year]	
A	Akkerweg 6 5531NT Bladel	0:00	
B	Bredasebaan 34 5531NC Bladel	0:00	
C	Bredasebaan 35 5531NC Bladel	0:00	
D	Bredasebaan 37 5531NC Bladel	0:00	
E	Bredasebaan 37A 5531NC Bladel	0:00	
F	Bredasebaan 38 5531NC Bladel	0:00	
G	Bredasebaan 42 5531NC Bladel	0:00	
H	Bredasebaan 44 5531NC Bladel	0:00	
I	De Pals 1 5527PA Hapert	12:22	
J	De Pals 2 5527PA Hapert	14:34	
K	Groot Terkooijen 3 5531NV Bladel	0:00	
L	Groot Terkooijen 11 5531NV Bladel	0:00	
M	Troprijt 4 5531NA Bladel	0:00	
N	Troprijt 5 5531NA Bladel	0:00	
O	Troprijt 6 5531NA Bladel	0:00	
P	Troprijt 7 5531NA Bladel	0:00	
Q	Troprijt 10A 5531NA Bladel	0:00	
R	Troprijt 11 5531NA Bladel	0:00	
S	Troprijt 14 5531NA Bladel	8:25	
T	Troprijt 15 5531NA Bladel	4:05	
U	Troprijt 19 5531NA Bladel	6:31	
V	Troprijt 21 5531NA Bladel	7:40	
W	Bredasebaan 40 5531NC Bladel	0:00	
X	Bredasebaan 39 5531NC Bladel	0:00	

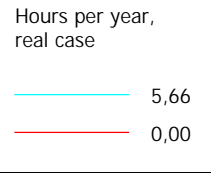
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name		Worst case	Expected
			[h/year]	[h/year]
1	refturbine Ref. Turbine	4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (486)	0:30	0:02
2	refturbine Ref. Turbine	4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (487)	18:03	1:56
3	refturbine Ref. Turbine	4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (488)	29:01	2:54
4	refturbine Ref. Turbine	4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (489)	213:24	26:39

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw VKA Ondergrens



Map: OnlineMap_10_10,00_0 , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

New WTG Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

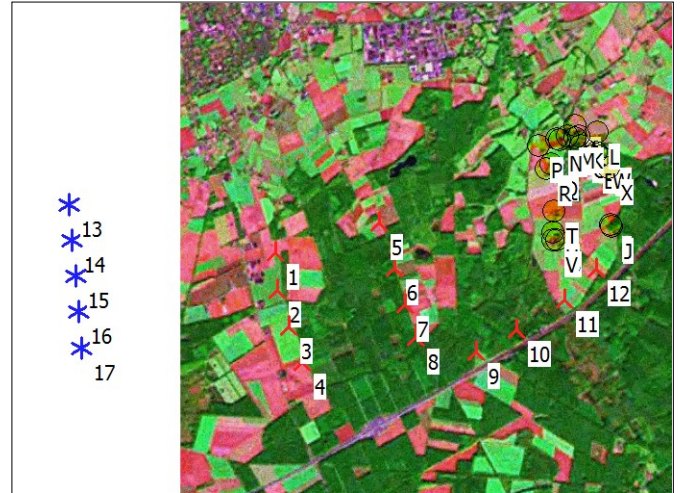
Calculation: 181106 Slagschaduw Ondergrens - Cumulatie
Assumptions for shadow calculations

Maximum distance for influence 1.920 m
Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,51 2,65 3,12 4,87 6,15 5,31 5,98 5,61 4,34 3,29 2,18 1,10

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
473 547 527 593 464 444 729 1.274 1.330 812 634 588 8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:100.000
New WTG Existing WTG Shadow receptor

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	140.201	371.659	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
2	140.211	371.164	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
3	140.357	370.673	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
4	140.513	370.197	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
5	141.601	372.007	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
6	141.781	371.409	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
7	141.913	370.919	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
8	142.030	370.480	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
9	142.835	370.259	0,0	refturbine Ref. Turbine 4800 145.0 !O! hub: 145...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
10	143.379	370.536	0,0	refturbine Ref. Turbine 4800 145.0 !O! hub: 145...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
11	144.032	370.911	0,0	refturbine Ref. Turbine 4800 145.0 !O! hub: 145...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
12	144.457	371.313	0,0	refturbine Ref. Turbine 4800 145.0 !O! hub: 145...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
13	137.491	372.394	0,0	Laarakkerdijk 1	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
14	137.515	371.916	0,0	Laarakkerdijk 2	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
15	137.538	371.438	0,0	Laarakkerdijk 3	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
16	137.561	370.961	0,0	Laarakkerdijk 4	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
17	137.585	370.483	0,0	Laarakkerdijk 5	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Akkerweg 6 5531NT Bladel	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34 5531NC Bladel	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35 5531NC Bladel	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37 5531NC Bladel	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A 5531NC Bladel	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38 5531NC Bladel	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42 5531NC Bladel	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44 5531NC Bladel	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1 5527PA Hapert	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2 5527PA Hapert	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3 5531NV Bladel	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11 5531NV Bladel	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4 5531NA Bladel	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5 5531NA Bladel	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6 5531NA Bladel	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens - Cumulatie

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw [°]	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]
P	Troprijt 7 5531NA Bladel	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A 5531NA Bladel	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11 5531NA Bladel	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14 5531NA Bladel	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15 5531NA Bladel	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19 5531NA Bladel	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21 5531NA Bladel	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40 5531NC Bladel	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39 5531NC Bladel	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Akkerweg 6 5531NT Bladel	0:00
B	Bredasebaan 34 5531NC Bladel	0:00
C	Bredasebaan 35 5531NC Bladel	0:00
D	Bredasebaan 37 5531NC Bladel	0:00
E	Bredasebaan 37A 5531NC Bladel	0:00
F	Bredasebaan 38 5531NC Bladel	0:00
G	Bredasebaan 42 5531NC Bladel	0:00
H	Bredasebaan 44 5531NC Bladel	0:00
I	De Pals 1 5527PA Hapert	12:22
J	De Pals 2 5527PA Hapert	14:34
K	Groot Terkooijen 3 5531NV Bladel	0:00
L	Groot Terkooijen 11 5531NV Bladel	0:00
M	Troprijt 4 5531NA Bladel	0:00
N	Troprijt 5 5531NA Bladel	0:00
O	Troprijt 6 5531NA Bladel	0:00
P	Troprijt 7 5531NA Bladel	0:00
Q	Troprijt 10A 5531NA Bladel	0:00
R	Troprijt 11 5531NA Bladel	0:00
S	Troprijt 14 5531NA Bladel	8:25
T	Troprijt 15 5531NA Bladel	4:05
U	Troprijt 19 5531NA Bladel	6:31
V	Troprijt 21 5531NA Bladel	7:40
W	Bredasebaan 40 5531NC Bladel	0:00
X	Bredasebaan 39 5531NC Bladel	0:00

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (470)	0:00	0:00
2	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (471)	0:00	0:00
3	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (472)	0:00	0:00
4	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (473)	0:00	0:00
5	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (474)	0:00	0:00
6	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (475)	0:00	0:00
7	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (476)	0:00	0:00
8	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (477)	0:00	0:00
9	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (486)	0:30	0:02
10	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (487)	18:03	1:56
11	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (488)	29:01	2:54
12	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (489)	213:24	26:39
13	Laarakkerdijk 1	0:00	0:00
14	Laarakkerdijk 2	0:00	0:00
15	Laarakkerdijk 3	0:00	0:00
16	Laarakkerdijk 4	0:00	0:00
17	Laarakkerdijk 5	0:00	0:00

Project:

17056 Bladel

Licensed user:

Bosch & Van Rijn

Groenmarktstraat 56

NL-3521 AV Utrecht

+31 6 51 71 04 93

Hans / Hans@boschenvanrijn.nl

Calculated:

6-11-2018 9:27/3.2.712

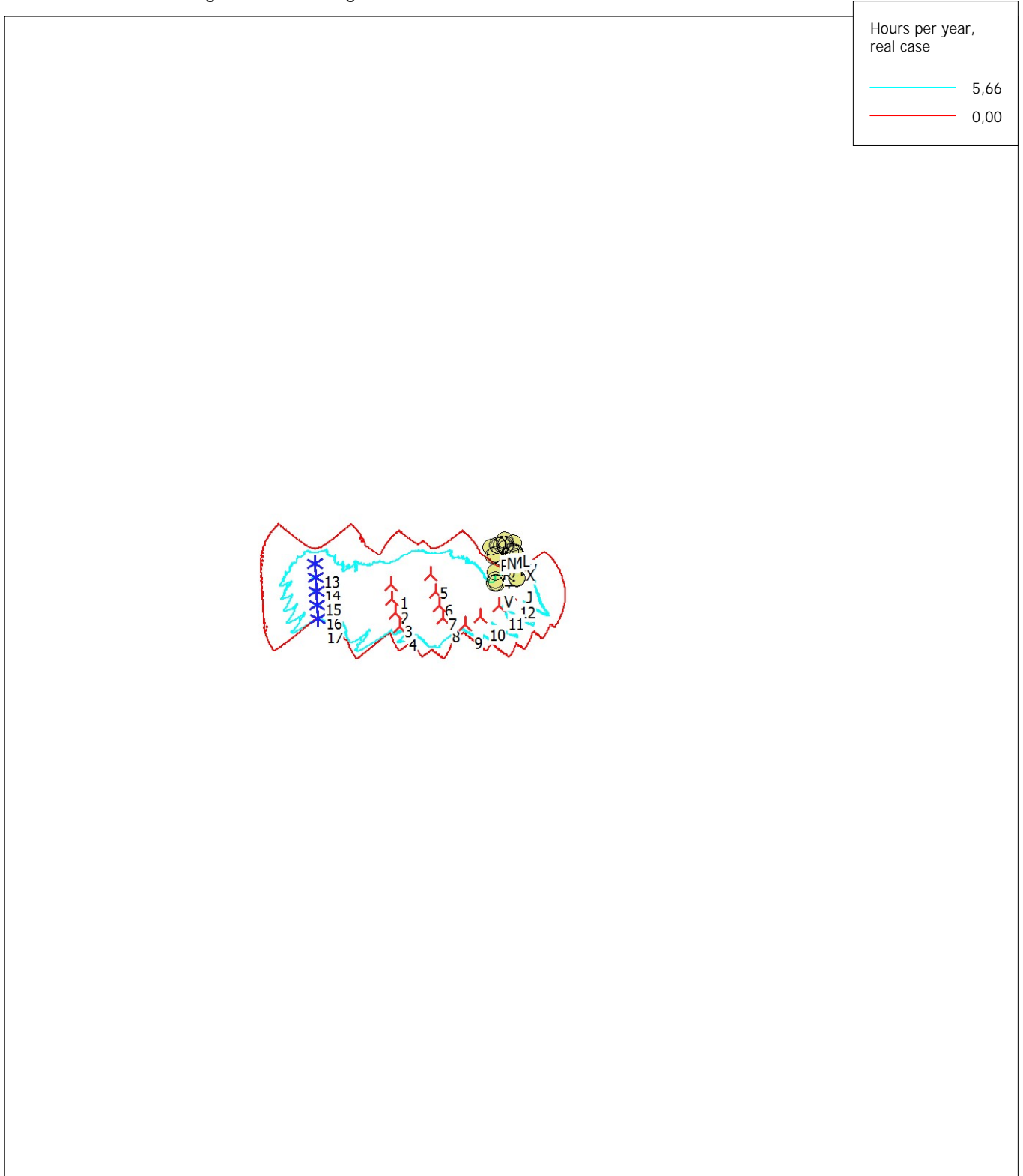
SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens - Cumulatie

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw Ondergrens - Cumulatie



Hours per year, real case	
—	5,66
—	0,00

0 2,5 5 7,5 10km

Map: Blank map , Print scale 1:200.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

- ▲ New WTG
- ✱ Existing WTG
- Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

Assumptions for shadow calculations

Maximum distance for influence	1.980 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

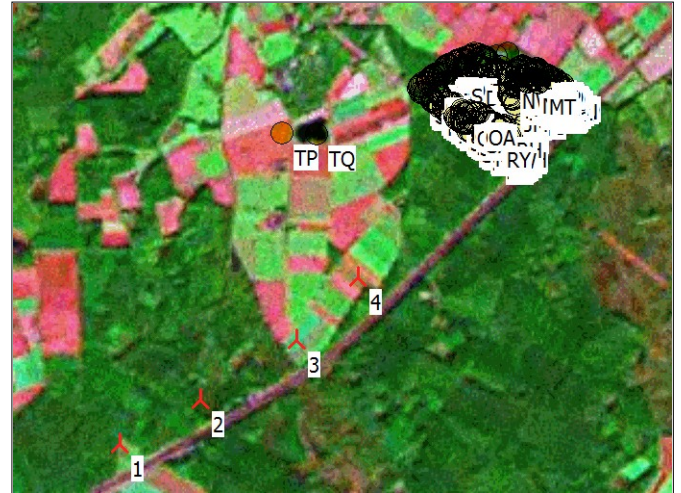
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000
 New WTG Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
2	143.379	370.536	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
3	144.032	370.911	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
4	144.457	371.313	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.		
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]		
FC	Vennenbos 259	5527JK	Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK	Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK	Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK	Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK	Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK	Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK	Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK	Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK	Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK	Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK	Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK	Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK	Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK	Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK	Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK	Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK	Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK	Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK	Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK	Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK	Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK	Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK	Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK	Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK	Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK	Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK	Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK	Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK	Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK	Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK	Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK	Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK	Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK	Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK	Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK	Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK	Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK	Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK	Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK	Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK	Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK	Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK	Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK	Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK	Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK	Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK	Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK	Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK	Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK	Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK	Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK	Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK	Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK	Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK	Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK	Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK	Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK	Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK	Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK	Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK	Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK	Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK	Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK	Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
KA	Vennenbos 525	5527JK Hapert	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	5527JK Hapert	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	5527JK Hapert	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	5527JK Hapert	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	5527JK Hapert	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	5527JK Hapert	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	5527JK Hapert	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	5527JK Hapert	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	5527JK Hapert	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	5527JK Hapert	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	5527JK Hapert	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	5527JK Hapert	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	5527JK Hapert	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	5527JK Hapert	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	5527JK Hapert	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	5527JK Hapert	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	5527JK Hapert	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	5527JK Hapert	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	5527JK Hapert	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	5527JK Hapert	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	5527JK Hapert	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	5527JK Hapert	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	Hapert	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	5527JK Hapert	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	5527JK Hapert	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	5527JK Hapert	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	5527JK Hapert	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	5527JK Hapert	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	5527JK Hapert	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	5527JK Hapert	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	5527JK Hapert	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	5527JK Hapert	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	5527JK Hapert	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	5527JK Hapert	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	5527JK Hapert	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	5527JK Hapert	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	5527JK Hapert	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	5527JK Hapert	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	5527JK Hapert	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	5527JK Hapert	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	5527JK Hapert	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	5527JK Hapert	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	5527JK Hapert	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	5527JK Hapert	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	5527JK Hapert	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	5527JK Hapert	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	5527JK Hapert	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	5527JK Hapert	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	5527JK Hapert	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	5527JK Hapert	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	5527JK Hapert	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	5527JK Hapert	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	5527JK Hapert	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	5527JK Hapert	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	5527JK Hapert	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	5527JK Hapert	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	5527JK Hapert	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	5527JK Hapert	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	5527JK Hapert	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	5527JK Hapert	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	5527JK Hapert	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	5527JK Hapert	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	5527JK Hapert	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	5527JK Hapert	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
OY	Vennenbos 727	5527JK Hapert	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	5527JK Hapert	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	5527JK Hapert	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	5527JK Hapert	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	5527JK Hapert	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	5527JK Hapert	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	5527JK Hapert	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	5527JK Hapert	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	5527JK Hapert	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	5527JK Hapert	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	5527JK Hapert	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	5527JK Hapert	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	5527JK Hapert	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	5527JK Hapert	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	5527JK Hapert	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	5527JK Hapert	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	5527JK Hapert	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	5527JK Hapert	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	5527JK Hapert	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	5527JK Hapert	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	5527JK Hapert	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	5527JK Hapert	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	5527JK Hapert	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	5527JK Hapert	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	5527JK Hapert	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	5527JK Hapert	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	5527JK Hapert	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	5527JK Hapert	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	5527JK Hapert	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	5527JK Hapert	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	5527JK Hapert	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	5527JK Hapert	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	5527JK Hapert	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	5527JK Hapert	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	5527JK Hapert	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	5527JK Hapert	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	5527JK Hapert	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	5527JK Hapert	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	5527JK Hapert	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	5527JK Hapert	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	5527JK Hapert	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	5527JK Hapert	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	5527JK Hapert	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	5527JK Hapert	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	5527JK Hapert	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	5527JK Hapert	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	5527JK Hapert	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	5527JK Hapert	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	5527JK Hapert	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	5527JK Hapert	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	5527JK Hapert	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	5527JK Hapert	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	5527JK Hapert	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	5527JK Hapert	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	5527JK Hapert	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	5527JK Hapert	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	5527JK Hapert	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	5527JK Hapert	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	5527JK Hapert	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	5527JK Hapert	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	5527JK Hapert	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	5527JK Hapert	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	5527JK Hapert	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	5527JK Hapert	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TP			143.985	372.288	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TQ			144.214	372.271	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	1:54
D	Vennenbos 1B 5527JK Hapert	2:41
E	Vennenbos 1C 5527JK Hapert	1:54
F	Vennenbos 1D 5527JK Hapert	3:44
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:44
I	Vennenbos 2 5527JK Hapert	0:39
J	Vennenbos 3 5527JK Hapert	0:46
K	Vennenbos 4 5527JK Hapert	0:50
L	Vennenbos 5 5527JK Hapert	0:56
M	Vennenbos 6 5527JK Hapert	0:58
N	Vennenbos 7 5527JK Hapert	0:54
O	Vennenbos 8 5527JK Hapert	0:51
P	Vennenbos 9 5527JK Hapert	0:48
Q	Vennenbos 10 5527JK Hapert	0:51
R	Vennenbos 11 5527JK Hapert	0:48
S	Vennenbos 12 5527JK Hapert	0:50
T	Vennenbos 13 5527JK Hapert	0:56
U	Vennenbos 14 5527JK Hapert	1:04
V	Vennenbos 15 5527JK Hapert	1:10
W	Vennenbos 16 5527JK Hapert	1:12
X	Vennenbos 17 5527JK Hapert	1:16
Y	Vennenbos 18 5527JK Hapert	1:19
Z	Vennenbos 19 5527JK Hapert	1:24
AA	Vennenbos 20 5527JK Hapert	1:28
AB	Vennenbos 21 5527JK Hapert	1:30
AC	Vennenbos 22 5527JK Hapert	1:34
AD	Vennenbos 23 5527JK Hapert	1:37
AE	Vennenbos 24 5527JK Hapert	1:33
AF	Vennenbos 25 5527JK Hapert	1:29
AG	Vennenbos 26 5527JK Hapert	1:27
AH	Vennenbos 27 5527JK Hapert	1:29
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:20
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:11
EI	Vennenbos 239 5527JK Hapert	0:10
EJ	Vennenbos 240 5527JK Hapert	0:09
EK	Vennenbos 241 5527JK Hapert	0:08
EL	Vennenbos 242 5527JK Hapert	0:16
EM	Vennenbos 243 5527JK Hapert	0:18
EN	Vennenbos 244 5527JK Hapert	0:24
EO	Vennenbos 245 5527JK Hapert	0:30
EP	Vennenbos 246 5527JK Hapert	0:35
EQ	Vennenbos 247 5527JK Hapert	0:21
ER	Vennenbos 248 5527JK Hapert	0:24
ES	Vennenbos 249 5527JK Hapert	0:26
ET	Vennenbos 250 5527JK Hapert	0:35
EU	Vennenbos 251 5527JK Hapert	0:38
EV	Vennenbos 252 5527JK Hapert	0:41
EW	Vennenbos 253 5527JK Hapert	0:50
EX	Vennenbos 254 5527JK Hapert	0:56
EY	Vennenbos 255 5527JK Hapert	1:00
EZ	Vennenbos 256 5527JK Hapert	1:04
FA	Vennenbos 257 5527JK Hapert	1:05
FB	Vennenbos 258 5527JK Hapert	1:04
FC	Vennenbos 259 5527JK Hapert	1:03
FD	Vennenbos 260 5527JK Hapert	1:02
FE	Vennenbos 261 5527JK Hapert	0:54
FF	Vennenbos 262 5527JK Hapert	0:55
FG	Vennenbos 263 5527JK Hapert	1:02
FH	Vennenbos 264 5527JK Hapert	1:08
FI	Vennenbos 265 5527JK Hapert	1:13
FJ	Vennenbos 266 5527JK Hapert	1:19
FK	Vennenbos 267 5527JK Hapert	1:21
FL	Vennenbos 268 5527JK Hapert	1:24
FM	Vennenbos 269 5527JK Hapert	1:29
FN	Vennenbos 270 5527JK Hapert	1:31
FO	Vennenbos 271 5527JK Hapert	1:42
FP	Vennenbos 272 5527JK Hapert	1:43
FQ	Vennenbos 273 5527JK Hapert	1:50
FR	Vennenbos 274 5527JK Hapert	1:51
FS	Vennenbos 275 5527JK Hapert	1:49
FT	Vennenbos 276 5527JK Hapert	1:47
FU	Vennenbos 277 5527JK Hapert	0:10
FV	Vennenbos 278 5527JK Hapert	0:15
FW	Vennenbos 279 5527JK Hapert	0:12
FX	Vennenbos 280 5527JK Hapert	0:11
FY	Vennenbos 281 5527JK Hapert	0:09
FZ	Vennenbos 282 5527JK Hapert	0:03
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:42
GL	Vennenbos 302 5527JK Hapert	0:45
GM	Vennenbos 303 5527JK Hapert	0:42
GN	Vennenbos 304 5527JK Hapert	0:37
GO	Vennenbos 305 5527JK Hapert	0:35
GP	Vennenbos 306 5527JK Hapert	0:24
GQ	Vennenbos 307 5527JK Hapert	0:16
GR	Vennenbos 308 5527JK Hapert	0:11
GS	Vennenbos 309 5527JK Hapert	0:03
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	1:36
HO	Vennenbos 401T Hapert	1:15
HP	Vennenbos 402 5527JK Hapert	1:46
HQ	Vennenbos 403 5527JK Hapert	1:54
HR	Vennenbos 404 5527JK Hapert	2:04
HS	Vennenbos 405 5527JK Hapert	2:14
HT	Vennenbos 406 5527JK Hapert	2:21
HU	Vennenbos 407 5527JK Hapert	2:22
HV	Vennenbos 408 5527JK Hapert	2:29
HW	Vennenbos 409 5527JK Hapert	2:29
HX	Vennenbos 410 5527JK Hapert	2:36
HY	Vennenbos 411 5527JK Hapert	2:36
HZ	Vennenbos 412 5527JK Hapert	2:38
IA	Vennenbos 413 5527JK Hapert	2:36
IB	Vennenbos 414 5527JK Hapert	2:33
IC	Vennenbos 415 5527JK Hapert	2:30
ID	Vennenbos 416 5527JK Hapert	2:34
IE	Vennenbos 417 5527JK Hapert	2:45
IF	Vennenbos 418 5527JK Hapert	2:47
IG	Vennenbos 419 5527JK Hapert	2:49
IH	Vennenbos 420 5527JK Hapert	2:50
II	Vennenbos 421 5527JK Hapert	2:52
IJ	Vennenbos 422 5527JK Hapert	2:54
IK	Vennenbos 423 5527JK Hapert	2:56
IL	Vennenbos 424 5527JK Hapert	2:57
IM	Vennenbos 425 5527JK Hapert	2:59
IN	Vennenbos 426 5527JK Hapert	3:00
IO	Vennenbos 427 5527JK Hapert	3:02
IP	Vennenbos 428 5527JK Hapert	3:04
IQ	Vennenbos 429 5527JK Hapert	3:02

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:02
IS	Vennenbos 431 5527JK Hapert	2:58
IT	Vennenbos 432 5527JK Hapert	2:58
IU	Vennenbos 433 5527JK Hapert	2:55
IV	Vennenbos 434 5527JK Hapert	2:53
IW	Vennenbos 435 5527JK Hapert	2:51
IX	Vennenbos 436 5527JK Hapert	2:49
IY	Vennenbos 437 5527JK Hapert	2:46
IZ	Vennenbos 438 5527JK Hapert	2:45
JA	Vennenbos 439 5527JK Hapert	2:40
JB	Vennenbos 440 5527JK Hapert	2:39
JC	Vennenbos 501 5527JK Hapert	2:32
JD	Vennenbos 502 5527JK Hapert	2:34
JE	Vennenbos 503 5527JK Hapert	2:35
JF	Vennenbos 504 5527JK Hapert	2:35
JG	Vennenbos 505 5527JK Hapert	2:36
JH	Vennenbos 506 5527JK Hapert	2:36
JI	Vennenbos 507 5527JK Hapert	2:38
JJ	Vennenbos 508 5527JK Hapert	2:39
JK	Vennenbos 509 5527JK Hapert	2:23
JL	Vennenbos 510 5527JK Hapert	2:22
JM	Vennenbos 511 5527JK Hapert	2:20
JN	Vennenbos 512 5527JK Hapert	2:16
JO	Vennenbos 513 5527JK Hapert	2:11
JP	Vennenbos 514 5527JK Hapert	2:05
JQ	Vennenbos 515 5527JK Hapert	2:00
JR	Vennenbos 516 5527JK Hapert	1:32
JS	Vennenbos 517 5527JK Hapert	1:28
JT	Vennenbos 518 5527JK Hapert	1:23
JU	Vennenbos 519 5527JK Hapert	1:16
JV	Vennenbos 520 5527JK Hapert	1:34
JW	Vennenbos 521 5527JK Hapert	1:39
JX	Vennenbos 522 5527JK Hapert	1:44
JY	Vennenbos 523 5527JK Hapert	1:49
JZ	Vennenbos 524 5527JK Hapert	1:51
KA	Vennenbos 525 5527JK Hapert	1:49
KB	Vennenbos 526 5527JK Hapert	1:51
KC	Vennenbos 527 5527JK Hapert	1:46
KD	Vennenbos 528 5527JK Hapert	1:48
KE	Vennenbos 529 5527JK Hapert	1:49
KF	Vennenbos 530 5527JK Hapert	1:55
KG	Vennenbos 531 5527JK Hapert	1:55
KH	Vennenbos 532 5527JK Hapert	2:00
KI	Vennenbos 533 5527JK Hapert	2:01
KJ	Vennenbos 534 5527JK Hapert	2:06
KK	Vennenbos 535 5527JK Hapert	2:08
KL	Vennenbos 536 5527JK Hapert	2:10
KM	Vennenbos 537 5527JK Hapert	2:10
KN	Vennenbos 538 5527JK Hapert	2:12
KO	Vennenbos 539 5527JK Hapert	2:15
KP	Vennenbos 540 5527JK Hapert	2:16
KQ	Vennenbos 541 5527JK Hapert	2:16
KR	Vennenbos 542 5527JK Hapert	2:16
KS	Vennenbos 543 5527JK Hapert	2:14
KT	Vennenbos 544 5527JK Hapert	2:13
KU	Vennenbos 545 5527JK Hapert	2:10
KV	Vennenbos 546 5527JK Hapert	2:09
KW	Vennenbos 547T Hapert	2:11
KX	Vennenbos 901 5527JK Hapert	2:01
KY	Vennenbos 902 5527JK Hapert	2:00
KZ	Vennenbos 903 5527JK Hapert	1:57
LA	Vennenbos 601 5527JK Hapert	1:40
LB	Vennenbos 602 5527JK Hapert	1:37

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:35
LD	Vennenbos 604 5527JK Hapert	1:36
LE	Vennenbos 605 5527JK Hapert	1:36
LF	Vennenbos 606 5527JK Hapert	1:35
LG	Vennenbos 607 5527JK Hapert	1:32
LH	Vennenbos 608 5527JK Hapert	1:33
LI	Vennenbos 609 5527JK Hapert	1:31
LJ	Vennenbos 610 5527JK Hapert	1:29
LK	Vennenbos 611 5527JK Hapert	1:26
LL	Vennenbos 612 5527JK Hapert	1:26
LM	Vennenbos 613 5527JK Hapert	1:26
LN	Vennenbos 614 5527JK Hapert	1:22
LO	Vennenbos 615 5527JK Hapert	1:24
LP	Vennenbos 616 5527JK Hapert	1:23
LQ	Vennenbos 617 5527JK Hapert	1:38
LR	Vennenbos 618 5527JK Hapert	1:35
LS	Vennenbos 619 5527JK Hapert	1:33
LT	Vennenbos 620 5527JK Hapert	1:31
LU	Vennenbos 621 5527JK Hapert	1:31
LV	Vennenbos 622 5527JK Hapert	1:32
LW	Vennenbos 623 5527JK Hapert	1:46
LX	Vennenbos 624 5527JK Hapert	1:45
LY	Vennenbos 625 5527JK Hapert	1:47
LZ	Vennenbos 626 5527JK Hapert	1:49
MA	Vennenbos 627 5527JK Hapert	1:52
MB	Vennenbos 628 5527JK Hapert	1:54
MC	Vennenbos 629 5527JK Hapert	1:55
MD	Vennenbos 630 5527JK Hapert	1:57
ME	Vennenbos 631 5527JK Hapert	1:56
MF	Vennenbos 632 5527JK Hapert	1:54
MG	Vennenbos 633 5527JK Hapert	1:49
MH	Vennenbos 634 5527JK Hapert	1:49
MI	Vennenbos 635 5527JK Hapert	1:48
MJ	Vennenbos 636 5527JK Hapert	1:49
MK	Vennenbos 637 5527JK Hapert	1:48
ML	Vennenbos 638 5527JK Hapert	1:47
MM	Vennenbos 639 5527JK Hapert	1:39
MN	Vennenbos 640 5527JK Hapert	1:42
MO	Vennenbos 641 5527JK Hapert	1:45
MP	Vennenbos 642 5527JK Hapert	1:47
MQ	Vennenbos 643 5527JK Hapert	1:48
MR	Vennenbos 644 5527JK Hapert	1:59
MS	Vennenbos 645 5527JK Hapert	2:01
MT	Vennenbos 646 5527JK Hapert	1:59
MU	Vennenbos 647 5527JK Hapert	1:58
MV	Vennenbos 648 5527JK Hapert	1:55
MW	Vennenbos 649 5527JK Hapert	1:53
MX	Vennenbos 650 5527JK Hapert	1:51
MY	Vennenbos 651 5527JK Hapert	1:50
MZ	Vennenbos 652 5527JK Hapert	1:50
NA	Vennenbos 653 5527JK Hapert	1:50
NB	Vennenbos 654 5527JK Hapert	1:52
NC	Vennenbos 655 5527JK Hapert	1:53
ND	Vennenbos 656 5527JK Hapert	1:52
NE	Vennenbos 657 5527JK Hapert	1:51
NF	Vennenbos 658 5527JK Hapert	1:43
NG	Vennenbos 659 5527JK Hapert	1:39
NH	Vennenbos 660 5527JK Hapert	1:33
NI	Vennenbos 661 5527JK Hapert	1:29
NJ	Vennenbos 662 5527JK Hapert	1:27
NK	Vennenbos 663 5527JK Hapert	1:25
NL	Vennenbos 664 5527JK Hapert	1:18
NM	Vennenbos 665 5527JK Hapert	1:17

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:18
NO	Vennenbos 667 5527JK Hapert	1:15
NP	Vennenbos 668 5527JK Hapert	1:17
NQ	Vennenbos 669 5527JK Hapert	1:15
NR	Vennenbos 670 5527JK Hapert	1:15
NS	Vennenbos 671 5527JK Hapert	1:14
NT	Vennenbos 672 5527JK Hapert	1:07
NU	Vennenbos 673 5527JK Hapert	1:02
NV	Vennenbos 674 5527JK Hapert	1:00
NW	Vennenbos 675 5527JK Hapert	0:54
NX	Vennenbos 676 5527JK Hapert	0:53
NY	Vennenbos 701 5527JK Hapert	2:25
NZ	Vennenbos 702 5527JK Hapert	2:24
OA	Vennenbos 703 5527JK Hapert	2:15
OB	Vennenbos 704 5527JK Hapert	2:13
OC	Vennenbos 705 5527JK Hapert	2:10
OD	Vennenbos 706 5527JK Hapert	1:58
OE	Vennenbos 707 5527JK Hapert	1:56
OF	Vennenbos 708 5527JK Hapert	1:46
OG	Vennenbos 709 5527JK Hapert	1:46
OH	Vennenbos 710 5527JK Hapert	1:43
OI	Vennenbos 711 5527JK Hapert	1:42
OJ	Vennenbos 712 5527JK Hapert	1:40
OK	Vennenbos 713 5527JK Hapert	1:26
OL	Vennenbos 714 5527JK Hapert	1:10
OM	Vennenbos 715 5527JK Hapert	0:51
ON	Vennenbos 716 5527JK Hapert	0:48
OO	Vennenbos 717 5527JK Hapert	0:37
OP	Vennenbos 718 5527JK Hapert	0:35
OQ	Vennenbos 719 5527JK Hapert	0:26
OR	Vennenbos 720 5527JK Hapert	0:03
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:14
QC	Vennenbos 757 5527JK Hapert	0:22
QD	Vennenbos 758 5527JK Hapert	0:24
QE	Vennenbos 759 5527JK Hapert	0:26
QF	Vennenbos 760 5527JK Hapert	0:28
QG	Vennenbos 761 5527JK Hapert	0:22
QH	Vennenbos 801 5527JK Hapert	2:52
QI	Vennenbos 802 5527JK Hapert	3:02
QJ	Vennenbos 803 5527JK Hapert	3:08
QK	Vennenbos 804 5527JK Hapert	3:36
QL	Vennenbos 805 5527JK Hapert	3:37
QM	Vennenbos 806 5527JK Hapert	3:32
QN	Vennenbos 807 5527JK Hapert	3:34
QO	Vennenbos 808 5527JK Hapert	3:30
QP	Vennenbos 809 5527JK Hapert	3:30
QQ	Vennenbos 810 5527JK Hapert	3:27
QR	Vennenbos 811 5527JK Hapert	3:28
QS	Vennenbos 812 5527JK Hapert	3:30
QT	Vennenbos 813 5527JK Hapert	3:31
QU	Vennenbos 814 5527JK Hapert	3:30
QV	Vennenbos 815 5527JK Hapert	3:31
QW	Vennenbos 816 5527JK Hapert	3:32
QX	Vennenbos 817 5527JK Hapert	3:33
QY	Vennenbos 818 5527JK Hapert	3:32
QZ	Vennenbos 819 5527JK Hapert	3:31
RA	Vennenbos 820 5527JK Hapert	3:30
RB	Vennenbos 821 5527JK Hapert	3:27
RC	Vennenbos 822 5527JK Hapert	3:25
RD	Vennenbos 823 5527JK Hapert	3:24
RE	Vennenbos 824 5527JK Hapert	3:21
RF	Vennenbos 825 5527JK Hapert	3:19
RG	Vennenbos 826 5527JK Hapert	3:17
RH	Vennenbos 827 5527JK Hapert	3:14
RI	Vennenbos 828 5527JK Hapert	3:10
RJ	Vennenbos 829 5527JK Hapert	4:09
RK	Vennenbos 830 5527JK Hapert	4:07
RL	Vennenbos 831 5527JK Hapert	4:07
RM	Vennenbos 832 5527JK Hapert	4:07
RN	Vennenbos 833 5527JK Hapert	4:07
RO	Vennenbos 834 5527JK Hapert	4:07
RP	Vennenbos 835 5527JK Hapert	4:05
RQ	Vennenbos 836 5527JK Hapert	4:02
RR	Vennenbos 837 5527JK Hapert	3:59
RS	Vennenbos 838 5527JK Hapert	3:55
RT	Vennenbos 839 5527JK Hapert	3:53
RU	Vennenbos 840 5527JK Hapert	3:51
RV	Vennenbos 841 5527JK Hapert	3:47
RW	Vennenbos 842 5527JK Hapert	3:46
RX	Vennenbos 843 5527JK Hapert	3:46
RY	Vennenbos 844 5527JK Hapert	3:41
RZ	Vennenbos 845 5527JK Hapert	2:50
SA	Vennenbos 846 5527JK Hapert	2:58
SB	Vennenbos 847 5527JK Hapert	3:05
SC	Vennenbos 848 5527JK Hapert	3:01
SD	Vennenbos 849 5527JK Hapert	2:58
SE	Vennenbos 850 5527JK Hapert	2:56
SF	Vennenbos 851 5527JK Hapert	3:00
SG	Vennenbos 852 5527JK Hapert	2:58
SH	Vennenbos 853 5527JK Hapert	2:49
SI	Vennenbos 854 5527JK Hapert	2:48

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	2:46
	SK Vennenbos 856 5527JK Hapert	2:31
	SL Vennenbos 857 5527JK Hapert	2:29
	SM Vennenbos 858 5527JK Hapert	2:17
	SN Vennenbos 859 5527JK Hapert	1:44
	SO Vennenbos 860 5527JK Hapert	1:42
	SP Vennenbos 861 5527JK Hapert	1:40
	SQ Vennenbos 862 5527JK Hapert	1:26
	SR Vennenbos 863 5527JK Hapert	1:07
	SS Vennenbos 864 5527JK Hapert	3:37
	ST Vennenbos 865 5527JK Hapert	3:40
	SU Vennenbos 866 5527JK Hapert	3:54
	SV Vennenbos 867 5527JK Hapert	4:03
	SW Vennenbos 868 5527JK Hapert	4:20
	SX Vennenbos 869 5527JK Hapert	4:23
	SY Vennenbos 870 5527JK Hapert	3:29
	SZ Vennenbos 871 5527JK Hapert	3:23
	TA Vennenbos 872 5527JK Hapert	3:21
	TB Vennenbos 873 5527JK Hapert	3:15
	TC Vennenbos 874 5527JK Hapert	3:10
	TD Vennenbos 875 5527JK Hapert	3:05
	TE Vennenbos 876 5527JK Hapert	2:59
	TF Vennenbos 877 5527JK Hapert	2:54
	TG Vennenbos 878 5527JK Hapert	2:51
	TH Vennenbos 879 5527JK Hapert	2:48
	TI Vennenbos 880 5527JK Hapert	2:35
	TJ Vennenbos 881 5527JK Hapert	2:36
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:09
	TN Vennenbos 548 5527JK Hapert	2:07
	TO Vennenbos 549 5527JK Hapert	2:06
	TP	0:13
	TQ	0:00

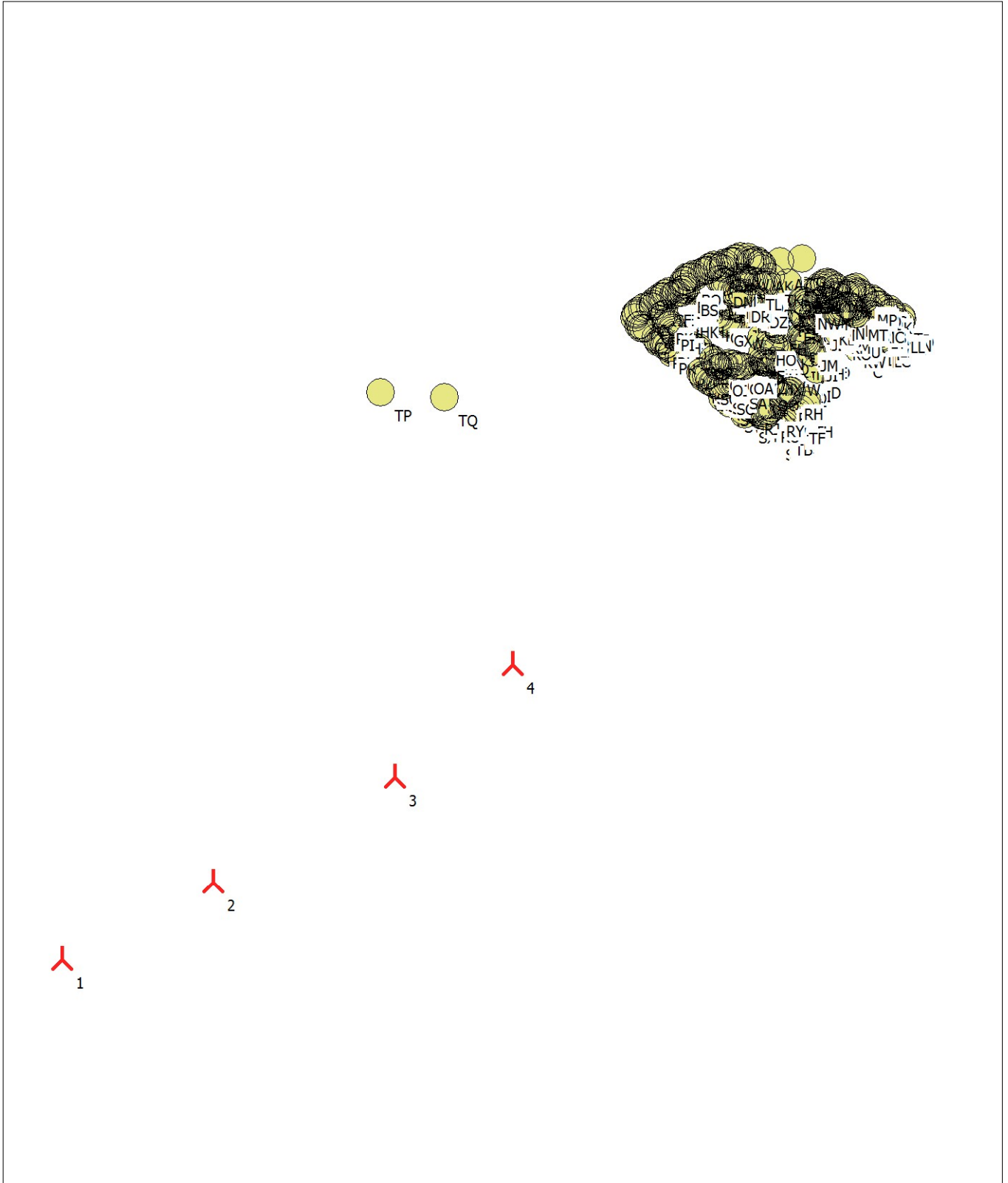
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (486)	0:00	0:00
2	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (487)	0:00	0:00
3	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (488)	36:48	4:10
4	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (489)	90:46	10:44

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map


Calculation: 181106 Slagschaduw Ondergrens recreatiepark



0 250 500 750 1000m

Map: Blank map , Print scale 1:20.000, Map center Dutch Stereo-RD/NAP 2008 East: 144.349 North: 371.519

 New WTG

 Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

Assumptions for shadow calculations

Maximum distance for influence	1.980 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

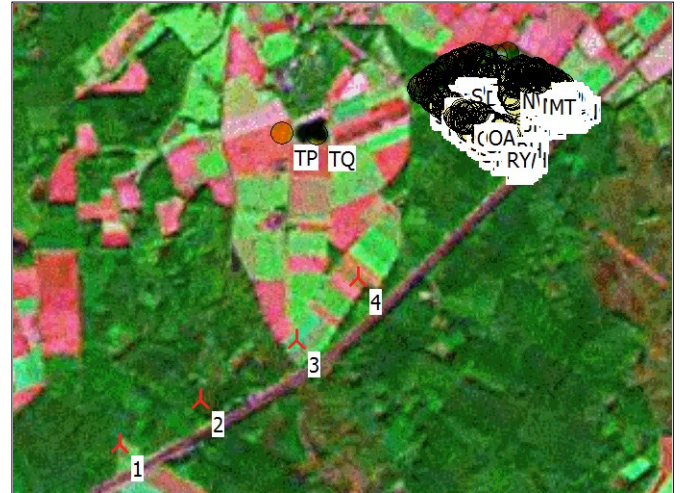
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:50.000
▲ New WTG ● Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
2	143.379	370.536	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
3	144.032	370.911	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8
4	144.457	371.313	0,0 refturbine Ref. Turbine 4800 145.0 IO! hub: 145,...	Yes	refturbine	Ref. Turbine-4.800	4.800	145,0	145,0	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height		
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height		
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]		
							[m]	[°]	[°]		a.g.l.		
CQ	Vennenbos 161	5527JK	Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK	Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK	Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK	Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK	Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK	Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK	Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK	Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK	Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK	Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK	Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK	Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK	Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK	Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK	Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK	Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK	Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK	Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK	Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK	Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK	Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK	Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK	Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK	Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK	Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK	Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK	Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK	Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK	Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK	Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK	Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK	Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK	Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK	Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK	Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK	Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK	Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK	Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK	Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK	Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert		145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK	Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK	Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK	Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK	Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK	Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK	Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK	Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK	Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK	Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK	Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK	Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK	Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK	Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK	Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK	Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK	Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK	Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK	Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK	Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK	Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK	Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK	Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK	Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
FC	Vennenbos 259	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
									Window		a.g.l.
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
									Window		
MM	Vennenbos 639	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
									Window		a.g.l.
OY	Vennenbos 727	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TP			143.985	372.288	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TQ			144.214	372.271	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:00
C	Vennenbos 1A 5527JK Hapert	1:54
D	Vennenbos 1B 5527JK Hapert	2:41
E	Vennenbos 1C 5527JK Hapert	1:54
F	Vennenbos 1D 5527JK Hapert	3:44
G	Vennenbos 1E 5527JK Hapert	0:00
H	Vennenbos 1G 5527JK Hapert	1:44
I	Vennenbos 2 5527JK Hapert	0:39
J	Vennenbos 3 5527JK Hapert	0:46
K	Vennenbos 4 5527JK Hapert	0:50
L	Vennenbos 5 5527JK Hapert	0:56
M	Vennenbos 6 5527JK Hapert	0:58
N	Vennenbos 7 5527JK Hapert	0:54
O	Vennenbos 8 5527JK Hapert	0:51
P	Vennenbos 9 5527JK Hapert	0:48
Q	Vennenbos 10 5527JK Hapert	0:51
R	Vennenbos 11 5527JK Hapert	0:48
S	Vennenbos 12 5527JK Hapert	0:50
T	Vennenbos 13 5527JK Hapert	0:56
U	Vennenbos 14 5527JK Hapert	1:04
V	Vennenbos 15 5527JK Hapert	1:10
W	Vennenbos 16 5527JK Hapert	1:12
X	Vennenbos 17 5527JK Hapert	1:16
Y	Vennenbos 18 5527JK Hapert	1:19
Z	Vennenbos 19 5527JK Hapert	1:24
AA	Vennenbos 20 5527JK Hapert	1:28
AB	Vennenbos 21 5527JK Hapert	1:30
AC	Vennenbos 22 5527JK Hapert	1:34
AD	Vennenbos 23 5527JK Hapert	1:37
AE	Vennenbos 24 5527JK Hapert	1:33
AF	Vennenbos 25 5527JK Hapert	1:29
AG	Vennenbos 26 5527JK Hapert	1:27
AH	Vennenbos 27 5527JK Hapert	1:29
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:00
CX	Vennenbos 202 5527JK Hapert	0:00
CY	Vennenbos 203 5527JK Hapert	0:00
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:00
DX	Vennenbos 229 5527JK Hapert	0:00
DY	Vennenbos 230 5527JK Hapert	0:00
DZ	Vennenbos 231 5527JK Hapert	0:00
EA	Vennenbos 232 5527JK Hapert	0:00
EB	Vennenbos 233 5527JK Hapert	0:00
EC	Vennenbos 234 5527JK Hapert	0:00
ED	Vennenbos 235 5527JK Hapert	0:00
EE	Vennenbos 235T Hapert	0:20
EF	Vennenbos 236 5527JK Hapert	0:00
EG	Vennenbos 237 5527JK Hapert	0:00
EH	Vennenbos 238 5527JK Hapert	0:11
EI	Vennenbos 239 5527JK Hapert	0:10
EJ	Vennenbos 240 5527JK Hapert	0:09
EK	Vennenbos 241 5527JK Hapert	0:08
EL	Vennenbos 242 5527JK Hapert	0:16
EM	Vennenbos 243 5527JK Hapert	0:18
EN	Vennenbos 244 5527JK Hapert	0:24
EO	Vennenbos 245 5527JK Hapert	0:30
EP	Vennenbos 246 5527JK Hapert	0:35
EQ	Vennenbos 247 5527JK Hapert	0:21
ER	Vennenbos 248 5527JK Hapert	0:24
ES	Vennenbos 249 5527JK Hapert	0:26
ET	Vennenbos 250 5527JK Hapert	0:35
EU	Vennenbos 251 5527JK Hapert	0:38
EV	Vennenbos 252 5527JK Hapert	0:41
EW	Vennenbos 253 5527JK Hapert	0:50
EX	Vennenbos 254 5527JK Hapert	0:56
EY	Vennenbos 255 5527JK Hapert	1:00
EZ	Vennenbos 256 5527JK Hapert	1:04
FA	Vennenbos 257 5527JK Hapert	1:05
FB	Vennenbos 258 5527JK Hapert	1:04
FC	Vennenbos 259 5527JK Hapert	1:03
FD	Vennenbos 260 5527JK Hapert	1:02
FE	Vennenbos 261 5527JK Hapert	0:54
FF	Vennenbos 262 5527JK Hapert	0:55
FG	Vennenbos 263 5527JK Hapert	1:02
FH	Vennenbos 264 5527JK Hapert	1:08
FI	Vennenbos 265 5527JK Hapert	1:13
FJ	Vennenbos 266 5527JK Hapert	1:19
FK	Vennenbos 267 5527JK Hapert	1:21
FL	Vennenbos 268 5527JK Hapert	1:24
FM	Vennenbos 269 5527JK Hapert	1:29
FN	Vennenbos 270 5527JK Hapert	1:31
FO	Vennenbos 271 5527JK Hapert	1:42
FP	Vennenbos 272 5527JK Hapert	1:43
FQ	Vennenbos 273 5527JK Hapert	1:50
FR	Vennenbos 274 5527JK Hapert	1:51
FS	Vennenbos 275 5527JK Hapert	1:49
FT	Vennenbos 276 5527JK Hapert	1:47
FU	Vennenbos 277 5527JK Hapert	0:10
FV	Vennenbos 278 5527JK Hapert	0:15
FW	Vennenbos 279 5527JK Hapert	0:12
FX	Vennenbos 280 5527JK Hapert	0:11
FY	Vennenbos 281 5527JK Hapert	0:09
FZ	Vennenbos 282 5527JK Hapert	0:03
GA	Vennenbos 283 5527JK Hapert	0:00
GB	Vennenbos 284 5527JK Hapert	0:00
GC	Vennenbos 285 5527JK Hapert	0:00
GD	Vennenbos 286 5527JK Hapert	0:00
GE	Vennenbos 287 5527JK Hapert	0:00
GF	Vennenbos 288 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	0:42
GL	Vennenbos 302 5527JK Hapert	0:45
GM	Vennenbos 303 5527JK Hapert	0:42
GN	Vennenbos 304 5527JK Hapert	0:37
GO	Vennenbos 305 5527JK Hapert	0:35
GP	Vennenbos 306 5527JK Hapert	0:24
GQ	Vennenbos 307 5527JK Hapert	0:16
GR	Vennenbos 308 5527JK Hapert	0:11
GS	Vennenbos 309 5527JK Hapert	0:03
GT	Vennenbos 310 5527JK Hapert	0:00
GU	Vennenbos 311 5527JK Hapert	0:00
GV	Vennenbos 312 5527JK Hapert	0:00
GW	Vennenbos 313 5527JK Hapert	0:00
GX	Vennenbos 314 5527JK Hapert	0:00
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	1:36
HO	Vennenbos 401T Hapert	1:15
HP	Vennenbos 402 5527JK Hapert	1:46
HQ	Vennenbos 403 5527JK Hapert	1:54
HR	Vennenbos 404 5527JK Hapert	2:04
HS	Vennenbos 405 5527JK Hapert	2:14
HT	Vennenbos 406 5527JK Hapert	2:21
HU	Vennenbos 407 5527JK Hapert	2:22
HV	Vennenbos 408 5527JK Hapert	2:29
HW	Vennenbos 409 5527JK Hapert	2:29
HX	Vennenbos 410 5527JK Hapert	2:36
HY	Vennenbos 411 5527JK Hapert	2:36
HZ	Vennenbos 412 5527JK Hapert	2:38
IA	Vennenbos 413 5527JK Hapert	2:36
IB	Vennenbos 414 5527JK Hapert	2:33
IC	Vennenbos 415 5527JK Hapert	2:30
ID	Vennenbos 416 5527JK Hapert	2:34
IE	Vennenbos 417 5527JK Hapert	2:45
IF	Vennenbos 418 5527JK Hapert	2:47
IG	Vennenbos 419 5527JK Hapert	2:49
IH	Vennenbos 420 5527JK Hapert	2:50
II	Vennenbos 421 5527JK Hapert	2:52
IJ	Vennenbos 422 5527JK Hapert	2:54
IK	Vennenbos 423 5527JK Hapert	2:56
IL	Vennenbos 424 5527JK Hapert	2:57
IM	Vennenbos 425 5527JK Hapert	2:59
IN	Vennenbos 426 5527JK Hapert	3:00
IO	Vennenbos 427 5527JK Hapert	3:02
IP	Vennenbos 428 5527JK Hapert	3:04
IQ	Vennenbos 429 5527JK Hapert	3:02

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:02
IS	Vennenbos 431 5527JK Hapert	2:58
IT	Vennenbos 432 5527JK Hapert	2:58
IU	Vennenbos 433 5527JK Hapert	2:55
IV	Vennenbos 434 5527JK Hapert	2:53
IW	Vennenbos 435 5527JK Hapert	2:51
IX	Vennenbos 436 5527JK Hapert	2:49
IY	Vennenbos 437 5527JK Hapert	2:46
IZ	Vennenbos 438 5527JK Hapert	2:45
JA	Vennenbos 439 5527JK Hapert	2:40
JB	Vennenbos 440 5527JK Hapert	2:39
JC	Vennenbos 501 5527JK Hapert	2:32
JD	Vennenbos 502 5527JK Hapert	2:34
JE	Vennenbos 503 5527JK Hapert	2:35
JF	Vennenbos 504 5527JK Hapert	2:35
JG	Vennenbos 505 5527JK Hapert	2:36
JH	Vennenbos 506 5527JK Hapert	2:36
JI	Vennenbos 507 5527JK Hapert	2:38
JJ	Vennenbos 508 5527JK Hapert	2:39
JK	Vennenbos 509 5527JK Hapert	2:23
JL	Vennenbos 510 5527JK Hapert	2:22
JM	Vennenbos 511 5527JK Hapert	2:20
JN	Vennenbos 512 5527JK Hapert	2:16
JO	Vennenbos 513 5527JK Hapert	2:11
JP	Vennenbos 514 5527JK Hapert	2:05
JQ	Vennenbos 515 5527JK Hapert	2:00
JR	Vennenbos 516 5527JK Hapert	1:32
JS	Vennenbos 517 5527JK Hapert	1:28
JT	Vennenbos 518 5527JK Hapert	1:23
JU	Vennenbos 519 5527JK Hapert	1:16
JV	Vennenbos 520 5527JK Hapert	1:34
JW	Vennenbos 521 5527JK Hapert	1:39
JX	Vennenbos 522 5527JK Hapert	1:44
JY	Vennenbos 523 5527JK Hapert	1:49
JZ	Vennenbos 524 5527JK Hapert	1:51
KA	Vennenbos 525 5527JK Hapert	1:49
KB	Vennenbos 526 5527JK Hapert	1:51
KC	Vennenbos 527 5527JK Hapert	1:46
KD	Vennenbos 528 5527JK Hapert	1:48
KE	Vennenbos 529 5527JK Hapert	1:49
KF	Vennenbos 530 5527JK Hapert	1:55
KG	Vennenbos 531 5527JK Hapert	1:55
KH	Vennenbos 532 5527JK Hapert	2:00
KI	Vennenbos 533 5527JK Hapert	2:01
KJ	Vennenbos 534 5527JK Hapert	2:06
KK	Vennenbos 535 5527JK Hapert	2:08
KL	Vennenbos 536 5527JK Hapert	2:10
KM	Vennenbos 537 5527JK Hapert	2:10
KN	Vennenbos 538 5527JK Hapert	2:12
KO	Vennenbos 539 5527JK Hapert	2:15
KP	Vennenbos 540 5527JK Hapert	2:16
KQ	Vennenbos 541 5527JK Hapert	2:16
KR	Vennenbos 542 5527JK Hapert	2:16
KS	Vennenbos 543 5527JK Hapert	2:14
KT	Vennenbos 544 5527JK Hapert	2:13
KU	Vennenbos 545 5527JK Hapert	2:10
KV	Vennenbos 546 5527JK Hapert	2:09
KW	Vennenbos 547T Hapert	2:11
KX	Vennenbos 901 5527JK Hapert	2:01
KY	Vennenbos 902 5527JK Hapert	2:00
KZ	Vennenbos 903 5527JK Hapert	1:57
LA	Vennenbos 601 5527JK Hapert	1:40
LB	Vennenbos 602 5527JK Hapert	1:37

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	1:35
LD	Vennenbos 604 5527JK Hapert	1:36
LE	Vennenbos 605 5527JK Hapert	1:36
LF	Vennenbos 606 5527JK Hapert	1:35
LG	Vennenbos 607 5527JK Hapert	1:32
LH	Vennenbos 608 5527JK Hapert	1:33
LI	Vennenbos 609 5527JK Hapert	1:31
LJ	Vennenbos 610 5527JK Hapert	1:29
LK	Vennenbos 611 5527JK Hapert	1:26
LL	Vennenbos 612 5527JK Hapert	1:26
LM	Vennenbos 613 5527JK Hapert	1:26
LN	Vennenbos 614 5527JK Hapert	1:22
LO	Vennenbos 615 5527JK Hapert	1:24
LP	Vennenbos 616 5527JK Hapert	1:23
LQ	Vennenbos 617 5527JK Hapert	1:38
LR	Vennenbos 618 5527JK Hapert	1:35
LS	Vennenbos 619 5527JK Hapert	1:33
LT	Vennenbos 620 5527JK Hapert	1:31
LU	Vennenbos 621 5527JK Hapert	1:31
LV	Vennenbos 622 5527JK Hapert	1:32
LW	Vennenbos 623 5527JK Hapert	1:46
LX	Vennenbos 624 5527JK Hapert	1:45
LY	Vennenbos 625 5527JK Hapert	1:47
LZ	Vennenbos 626 5527JK Hapert	1:49
MA	Vennenbos 627 5527JK Hapert	1:52
MB	Vennenbos 628 5527JK Hapert	1:54
MC	Vennenbos 629 5527JK Hapert	1:55
MD	Vennenbos 630 5527JK Hapert	1:57
ME	Vennenbos 631 5527JK Hapert	1:56
MF	Vennenbos 632 5527JK Hapert	1:54
MG	Vennenbos 633 5527JK Hapert	1:49
MH	Vennenbos 634 5527JK Hapert	1:49
MI	Vennenbos 635 5527JK Hapert	1:48
MJ	Vennenbos 636 5527JK Hapert	1:49
MK	Vennenbos 637 5527JK Hapert	1:48
ML	Vennenbos 638 5527JK Hapert	1:47
MM	Vennenbos 639 5527JK Hapert	1:39
MN	Vennenbos 640 5527JK Hapert	1:42
MO	Vennenbos 641 5527JK Hapert	1:45
MP	Vennenbos 642 5527JK Hapert	1:47
MQ	Vennenbos 643 5527JK Hapert	1:48
MR	Vennenbos 644 5527JK Hapert	1:59
MS	Vennenbos 645 5527JK Hapert	2:01
MT	Vennenbos 646 5527JK Hapert	1:59
MU	Vennenbos 647 5527JK Hapert	1:58
MV	Vennenbos 648 5527JK Hapert	1:55
MW	Vennenbos 649 5527JK Hapert	1:53
MX	Vennenbos 650 5527JK Hapert	1:51
MY	Vennenbos 651 5527JK Hapert	1:50
MZ	Vennenbos 652 5527JK Hapert	1:50
NA	Vennenbos 653 5527JK Hapert	1:50
NB	Vennenbos 654 5527JK Hapert	1:52
NC	Vennenbos 655 5527JK Hapert	1:53
ND	Vennenbos 656 5527JK Hapert	1:52
NE	Vennenbos 657 5527JK Hapert	1:51
NF	Vennenbos 658 5527JK Hapert	1:43
NG	Vennenbos 659 5527JK Hapert	1:39
NH	Vennenbos 660 5527JK Hapert	1:33
NI	Vennenbos 661 5527JK Hapert	1:29
NJ	Vennenbos 662 5527JK Hapert	1:27
NK	Vennenbos 663 5527JK Hapert	1:25
NL	Vennenbos 664 5527JK Hapert	1:18
NM	Vennenbos 665 5527JK Hapert	1:17

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:18
NO	Vennenbos 667 5527JK Hapert	1:15
NP	Vennenbos 668 5527JK Hapert	1:17
NQ	Vennenbos 669 5527JK Hapert	1:15
NR	Vennenbos 670 5527JK Hapert	1:15
NS	Vennenbos 671 5527JK Hapert	1:14
NT	Vennenbos 672 5527JK Hapert	1:07
NU	Vennenbos 673 5527JK Hapert	1:02
NV	Vennenbos 674 5527JK Hapert	1:00
NW	Vennenbos 675 5527JK Hapert	0:54
NX	Vennenbos 676 5527JK Hapert	0:53
NY	Vennenbos 701 5527JK Hapert	2:25
NZ	Vennenbos 702 5527JK Hapert	2:24
OA	Vennenbos 703 5527JK Hapert	2:15
OB	Vennenbos 704 5527JK Hapert	2:13
OC	Vennenbos 705 5527JK Hapert	2:10
OD	Vennenbos 706 5527JK Hapert	1:58
OE	Vennenbos 707 5527JK Hapert	1:56
OF	Vennenbos 708 5527JK Hapert	1:46
OG	Vennenbos 709 5527JK Hapert	1:46
OH	Vennenbos 710 5527JK Hapert	1:43
OI	Vennenbos 711 5527JK Hapert	1:42
OJ	Vennenbos 712 5527JK Hapert	1:40
OK	Vennenbos 713 5527JK Hapert	1:26
OL	Vennenbos 714 5527JK Hapert	1:10
OM	Vennenbos 715 5527JK Hapert	0:51
ON	Vennenbos 716 5527JK Hapert	0:48
OO	Vennenbos 717 5527JK Hapert	0:37
OP	Vennenbos 718 5527JK Hapert	0:35
OQ	Vennenbos 719 5527JK Hapert	0:26
OR	Vennenbos 720 5527JK Hapert	0:03
OS	Vennenbos 721 5527JK Hapert	0:00
OT	Vennenbos 722 5527JK Hapert	0:00
OU	Vennenbos 723 5527JK Hapert	0:00
OV	Vennenbos 724 5527JK Hapert	0:00
OW	Vennenbos 725 5527JK Hapert	0:00
OX	Vennenbos 726 5527JK Hapert	0:00
OY	Vennenbos 727 5527JK Hapert	0:00
OZ	Vennenbos 728 5527JK Hapert	0:00
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:00
PW	Vennenbos 751 5527JK Hapert	0:00
PX	Vennenbos 752 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:00
PZ	Vennenbos 754 5527JK Hapert	0:00
QA	Vennenbos 755 5527JK Hapert	0:00
QB	Vennenbos 756 5527JK Hapert	0:14
QC	Vennenbos 757 5527JK Hapert	0:22
QD	Vennenbos 758 5527JK Hapert	0:24
QE	Vennenbos 759 5527JK Hapert	0:26
QF	Vennenbos 760 5527JK Hapert	0:28
QG	Vennenbos 761 5527JK Hapert	0:22
QH	Vennenbos 801 5527JK Hapert	2:52
QI	Vennenbos 802 5527JK Hapert	3:02
QJ	Vennenbos 803 5527JK Hapert	3:08
QK	Vennenbos 804 5527JK Hapert	3:36
QL	Vennenbos 805 5527JK Hapert	3:37
QM	Vennenbos 806 5527JK Hapert	3:32
QN	Vennenbos 807 5527JK Hapert	3:34
QO	Vennenbos 808 5527JK Hapert	3:30
QP	Vennenbos 809 5527JK Hapert	3:30
QQ	Vennenbos 810 5527JK Hapert	3:27
QR	Vennenbos 811 5527JK Hapert	3:28
QS	Vennenbos 812 5527JK Hapert	3:30
QT	Vennenbos 813 5527JK Hapert	3:31
QU	Vennenbos 814 5527JK Hapert	3:30
QV	Vennenbos 815 5527JK Hapert	3:31
QW	Vennenbos 816 5527JK Hapert	3:32
QX	Vennenbos 817 5527JK Hapert	3:33
QY	Vennenbos 818 5527JK Hapert	3:32
QZ	Vennenbos 819 5527JK Hapert	3:31
RA	Vennenbos 820 5527JK Hapert	3:30
RB	Vennenbos 821 5527JK Hapert	3:27
RC	Vennenbos 822 5527JK Hapert	3:25
RD	Vennenbos 823 5527JK Hapert	3:24
RE	Vennenbos 824 5527JK Hapert	3:21
RF	Vennenbos 825 5527JK Hapert	3:19
RG	Vennenbos 826 5527JK Hapert	3:17
RH	Vennenbos 827 5527JK Hapert	3:14
RI	Vennenbos 828 5527JK Hapert	3:10
RJ	Vennenbos 829 5527JK Hapert	4:09
RK	Vennenbos 830 5527JK Hapert	4:07
RL	Vennenbos 831 5527JK Hapert	4:07
RM	Vennenbos 832 5527JK Hapert	4:07
RN	Vennenbos 833 5527JK Hapert	4:07
RO	Vennenbos 834 5527JK Hapert	4:07
RP	Vennenbos 835 5527JK Hapert	4:05
RQ	Vennenbos 836 5527JK Hapert	4:02
RR	Vennenbos 837 5527JK Hapert	3:59
RS	Vennenbos 838 5527JK Hapert	3:55
RT	Vennenbos 839 5527JK Hapert	3:53
RU	Vennenbos 840 5527JK Hapert	3:51
RV	Vennenbos 841 5527JK Hapert	3:47
RW	Vennenbos 842 5527JK Hapert	3:46
RX	Vennenbos 843 5527JK Hapert	3:46
RY	Vennenbos 844 5527JK Hapert	3:41
RZ	Vennenbos 845 5527JK Hapert	2:50
SA	Vennenbos 846 5527JK Hapert	2:58
SB	Vennenbos 847 5527JK Hapert	3:05
SC	Vennenbos 848 5527JK Hapert	3:01
SD	Vennenbos 849 5527JK Hapert	2:58
SE	Vennenbos 850 5527JK Hapert	2:56
SF	Vennenbos 851 5527JK Hapert	3:00
SG	Vennenbos 852 5527JK Hapert	2:58
SH	Vennenbos 853 5527JK Hapert	2:49
SI	Vennenbos 854 5527JK Hapert	2:48

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	2:46
	SK Vennenbos 856 5527JK Hapert	2:31
	SL Vennenbos 857 5527JK Hapert	2:29
	SM Vennenbos 858 5527JK Hapert	2:17
	SN Vennenbos 859 5527JK Hapert	1:44
	SO Vennenbos 860 5527JK Hapert	1:42
	SP Vennenbos 861 5527JK Hapert	1:40
	SQ Vennenbos 862 5527JK Hapert	1:26
	SR Vennenbos 863 5527JK Hapert	1:07
	SS Vennenbos 864 5527JK Hapert	3:05
	ST Vennenbos 865 5527JK Hapert	3:09
	SU Vennenbos 866 5527JK Hapert	0:00
	SV Vennenbos 867 5527JK Hapert	0:00
	SW Vennenbos 868 5527JK Hapert	3:58
	SX Vennenbos 869 5527JK Hapert	4:03
	SY Vennenbos 870 5527JK Hapert	3:29
	SZ Vennenbos 871 5527JK Hapert	3:23
	TA Vennenbos 872 5527JK Hapert	3:21
	TB Vennenbos 873 5527JK Hapert	3:15
	TC Vennenbos 874 5527JK Hapert	3:10
	TD Vennenbos 875 5527JK Hapert	3:05
	TE Vennenbos 876 5527JK Hapert	2:59
	TF Vennenbos 877 5527JK Hapert	2:54
	TG Vennenbos 878 5527JK Hapert	2:51
	TH Vennenbos 879 5527JK Hapert	2:48
	TI Vennenbos 880 5527JK Hapert	2:35
	TJ Vennenbos 881 5527JK Hapert	2:36
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:09
	TN Vennenbos 548 5527JK Hapert	2:07
	TO Vennenbos 549 5527JK Hapert	2:06
	TP	0:13
	TQ	0:00

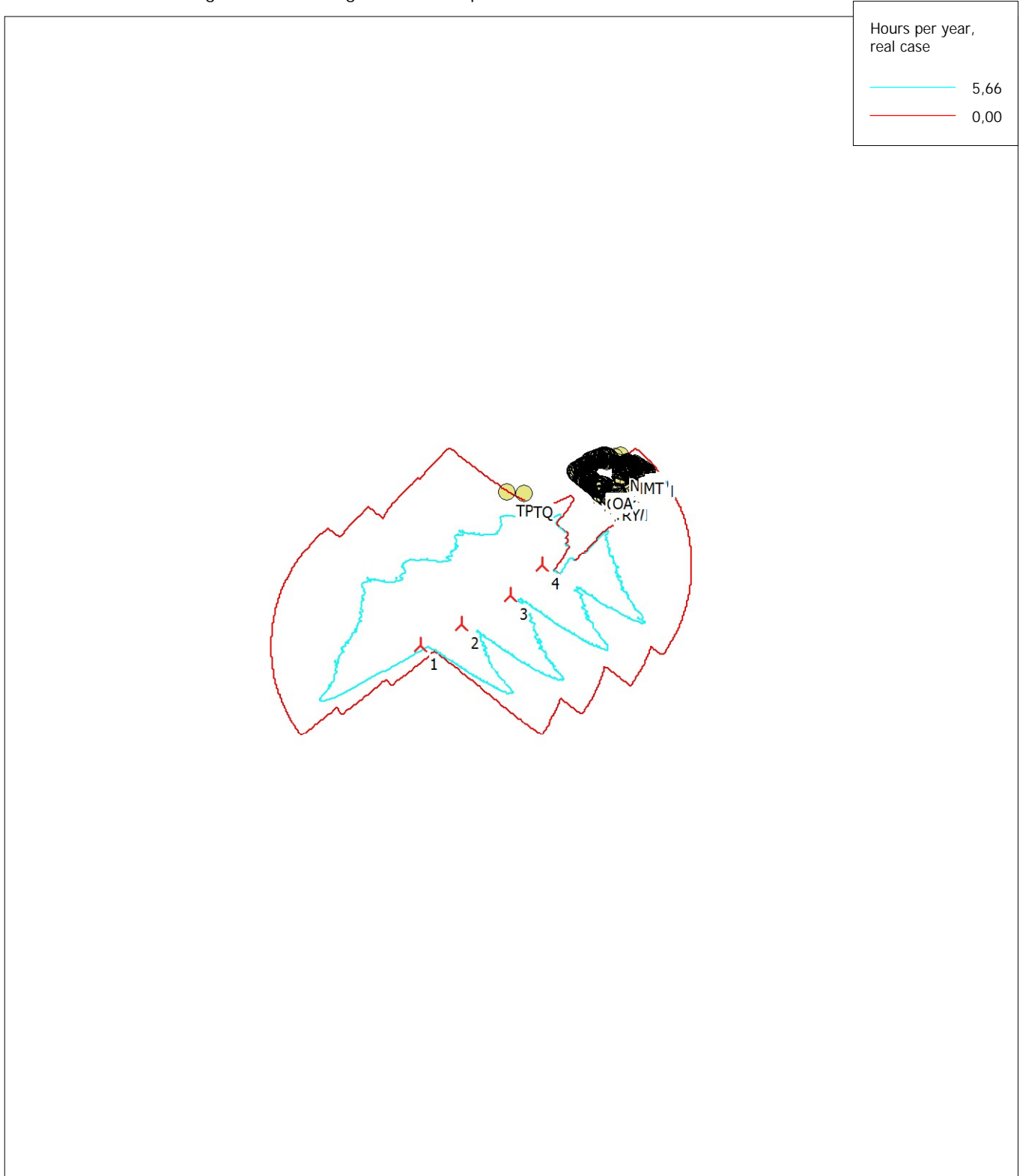
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (486)	0:00	0:00
2	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (487)	0:00	0:00
3	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (488)	36:08	4:05
4	refturbine Ref. Turbine 4800 145.0 !O! hub: 145,0 m (TOT: 217,5 m) (489)	90:26	10:41

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw Ondergrens recreatiepark met obstakels



0 1 2 3 4 km

▲ New WTG

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

● Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: 181106 Slagschaduw VKA Bovengrens

Assumptions for shadow calculations

Maximum distance for influence	1.980 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:75.000

New WTG

Shadow receptor

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0	refturbine Ref. Turbine 4800 165,0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
2	143.379	370.536	0,0	refturbine Ref. Turbine 4800 165,0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
3	144.032	370.911	0,0	refturbine Ref. Turbine 4800 165,0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
4	144.457	371.313	0,0	refturbine Ref. Turbine 4800 165,0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	cw [°]	[°]		[m]
A	Akkerweg 6 5531NT Bladel	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34 5531NC Bladel	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35 5531NC Bladel	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37 5531NC Bladel	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A 5531NC Bladel	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38 5531NC Bladel	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42 5531NC Bladel	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44 5531NC Bladel	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1 5527PA Hapert	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2 5527PA Hapert	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3 5531NV Bladel	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11 5531NV Bladel	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4 5531NA Bladel	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5 5531NA Bladel	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6 5531NA Bladel	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Troprijt 7 5531NA Bladel	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A 5531NA Bladel	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11 5531NA Bladel	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14 5531NA Bladel	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15 5531NA Bladel	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19 5531NA Bladel	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21 5531NA Bladel	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40 5531NC Bladel	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39 5531NC Bladel	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: 181106 Slagschaduw VKA Bovengrens

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values	
		Shadow hours	per year
		[h/year]	
A	Akkerweg 6 5531NT Bladel	0:00	
B	Bredasebaan 34 5531NC Bladel	0:00	
C	Bredasebaan 35 5531NC Bladel	0:00	
D	Bredasebaan 37 5531NC Bladel	0:00	
E	Bredasebaan 37A 5531NC Bladel	0:00	
F	Bredasebaan 38 5531NC Bladel	0:00	
G	Bredasebaan 42 5531NC Bladel	0:00	
H	Bredasebaan 44 5531NC Bladel	0:00	
I	De Pals 1 5527PA Hapert	17:10	
J	De Pals 2 5527PA Hapert	19:40	
K	Groot Terkooijen 3 5531NV Bladel	0:00	
L	Groot Terkooijen 11 5531NV Bladel	0:00	
M	Troprijt 4 5531NA Bladel	0:00	
N	Troprijt 5 5531NA Bladel	0:00	
O	Troprijt 6 5531NA Bladel	0:00	
P	Troprijt 7 5531NA Bladel	0:00	
Q	Troprijt 10A 5531NA Bladel	0:00	
R	Troprijt 11 5531NA Bladel	0:00	
S	Troprijt 14 5531NA Bladel	12:54	
T	Troprijt 15 5531NA Bladel	5:24	
U	Troprijt 19 5531NA Bladel	8:12	
V	Troprijt 21 5531NA Bladel	11:27	
W	Bredasebaan 40 5531NC Bladel	0:00	
X	Bredasebaan 39 5531NC Bladel	0:00	

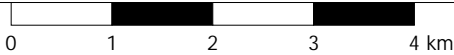
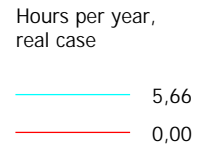
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name		Worst case	Expected
			[h/year]	[h/year]
1	refturbine Ref. Turbine	4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (490)	6:17	0:36
2	refturbine Ref. Turbine	4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (491)	22:19	2:28
3	refturbine Ref. Turbine	4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (492)	67:24	6:43
4	refturbine Ref. Turbine	4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (493)	263:55	33:42



Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw VKA Bovengrens



Map: OnlineMap_10_10,00_0 , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

 New WTG  Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

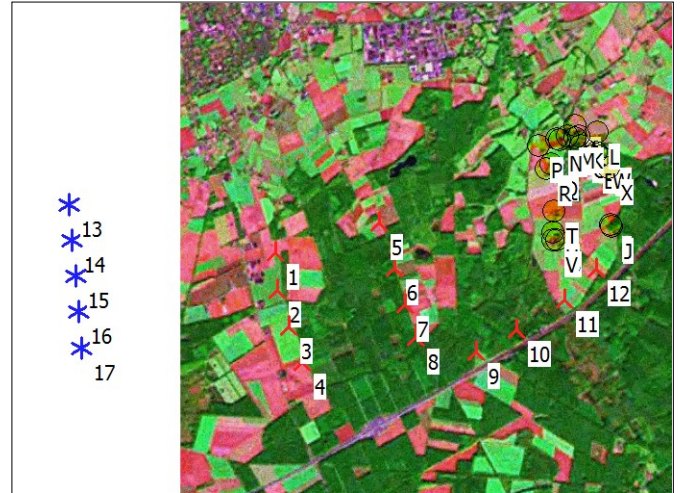
Calculation: 181106 Slagschaduw Bovengrens - Cumulatie
Assumptions for shadow calculations

Maximum distance for influence 1.920 m
Minimum sun height over horizon for influence 3 °
Day step for calculation 1 days
Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1,51 2,65 3,12 4,87 6,15 5,31 5,98 5,61 4,34 3,29 2,18 1,10

Operational time
N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
473 547 527 593 464 444 729 1.274 1.330 812 634 588 8.415

All coordinates are in
Dutch Stereo-RD/NAP 2008



Scale 1:100.000
New WTG Existing WTG Shadow receptor

WTGs

	X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	140.201	371.659	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
2	140.211	371.164	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
3	140.357	370.673	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
4	140.513	370.197	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
5	141.601	372.007	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
6	141.781	371.409	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
7	141.913	370.919	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
8	142.030	370.480	0,0	refturbine Ref. Turbine 4800 170.0 !O! hub: 165...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	170,0	165,0	8,8
9	142.835	370.259	0,0	refturbine Ref. Turbine 4800 165.0 !O! hub: 157...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
10	143.379	370.536	0,0	refturbine Ref. Turbine 4800 165.0 !O! hub: 157...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
11	144.032	370.911	0,0	refturbine Ref. Turbine 4800 165.0 !O! hub: 157...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
12	144.457	371.313	0,0	refturbine Ref. Turbine 4800 165.0 !O! hub: 157...Yes	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
13	137.491	372.394	0,0	Laarakkerdijk 1	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
14	137.515	371.916	0,0	Laarakkerdijk 2	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
15	137.538	371.438	0,0	Laarakkerdijk 3	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
16	137.561	370.961	0,0	Laarakkerdijk 4	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9
17	137.585	370.483	0,0	Laarakkerdijk 5	No	REpower	MM 100-2.000	2.000	100,0	100,0	13,9

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Akkerweg 6 5531NT Bladel	144.246	373.215	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Bredasebaan 34 5531NC Bladel	144.243	373.049	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Bredasebaan 35 5531NC Bladel	144.304	372.943	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Bredasebaan 37 5531NC Bladel	144.450	372.812	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Bredasebaan 37A 5531NC Bladel	144.446	372.807	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Bredasebaan 38 5531NC Bladel	144.507	372.849	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Bredasebaan 42 5531NC Bladel	144.612	372.762	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Bredasebaan 44 5531NC Bladel	144.618	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	De Pals 1 5527PA Hapert	144.678	371.890	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	De Pals 2 5527PA Hapert	144.678	371.860	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Groot Terkooijen 3 5531NV Bladel	144.291	373.081	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Groot Terkooijen 11 5531NV Bladel	144.539	373.122	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Troprijt 4 5531NA Bladel	144.135	373.077	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Troprijt 5 5531NA Bladel	143.993	373.050	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Troprijt 6 5531NA Bladel	144.034	373.031	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens - Cumulatie

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
P	Troprijt 7 5531NA Bladel	143.749	372.966	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Troprijt 10A 5531NA Bladel	143.911	372.713	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Troprijt 11 5531NA Bladel	143.839	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Troprijt 14 5531NA Bladel	143.951	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Troprijt 15 5531NA Bladel	143.919	372.089	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Troprijt 19 5531NA Bladel	143.900	371.808	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Troprijt 21 5531NA Bladel	143.894	371.712	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Bredasebaan 40 5531NC Bladel	144.565	372.806	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Bredasebaan 39 5531NC Bladel	144.677	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Akkerweg 6 5531NT Bladel	0:00
B	Bredasebaan 34 5531NC Bladel	0:00
C	Bredasebaan 35 5531NC Bladel	0:00
D	Bredasebaan 37 5531NC Bladel	0:00
E	Bredasebaan 37A 5531NC Bladel	0:00
F	Bredasebaan 38 5531NC Bladel	0:00
G	Bredasebaan 42 5531NC Bladel	0:00
H	Bredasebaan 44 5531NC Bladel	0:00
I	De Pals 1 5527PA Hapert	17:10
J	De Pals 2 5527PA Hapert	19:40
K	Groot Terkooijen 3 5531NV Bladel	0:00
L	Groot Terkooijen 11 5531NV Bladel	0:00
M	Troprijt 4 5531NA Bladel	0:00
N	Troprijt 5 5531NA Bladel	0:00
O	Troprijt 6 5531NA Bladel	0:00
P	Troprijt 7 5531NA Bladel	0:00
Q	Troprijt 10A 5531NA Bladel	0:00
R	Troprijt 11 5531NA Bladel	0:00
S	Troprijt 14 5531NA Bladel	12:54
T	Troprijt 15 5531NA Bladel	5:24
U	Troprijt 19 5531NA Bladel	8:12
V	Troprijt 21 5531NA Bladel	11:27
W	Bredasebaan 40 5531NC Bladel	0:00
X	Bredasebaan 39 5531NC Bladel	0:00

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (470)	0:00	0:00
2	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (471)	0:00	0:00
3	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (472)	0:00	0:00
4	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (473)	0:00	0:00
5	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (474)	0:00	0:00
6	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (475)	0:00	0:00
7	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (476)	0:00	0:00
8	refturbine Ref. Turbine 4800 170.0 !O! hub: 165,0 m (TOT: 250,0 m) (477)	0:00	0:00
9	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (490)	6:17	0:36
10	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (491)	22:19	2:28
11	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (492)	67:24	6:43
12	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (493)	263:55	33:42
13	Laarakkerdijk 1	0:00	0:00
14	Laarakkerdijk 2	0:00	0:00
15	Laarakkerdijk 3	0:00	0:00
16	Laarakkerdijk 4	0:00	0:00
17	Laarakkerdijk 5	0:00	0:00

Project:

17056 Bladel

Licensed user:

Bosch & Van Rijn

Groenmarktstraat 56

NL-3521 AV Utrecht

+31 6 51 71 04 93

Hans / Hans@boschenvanrijn.nl

Calculated:

6-11-2018 9:43/3.2.712

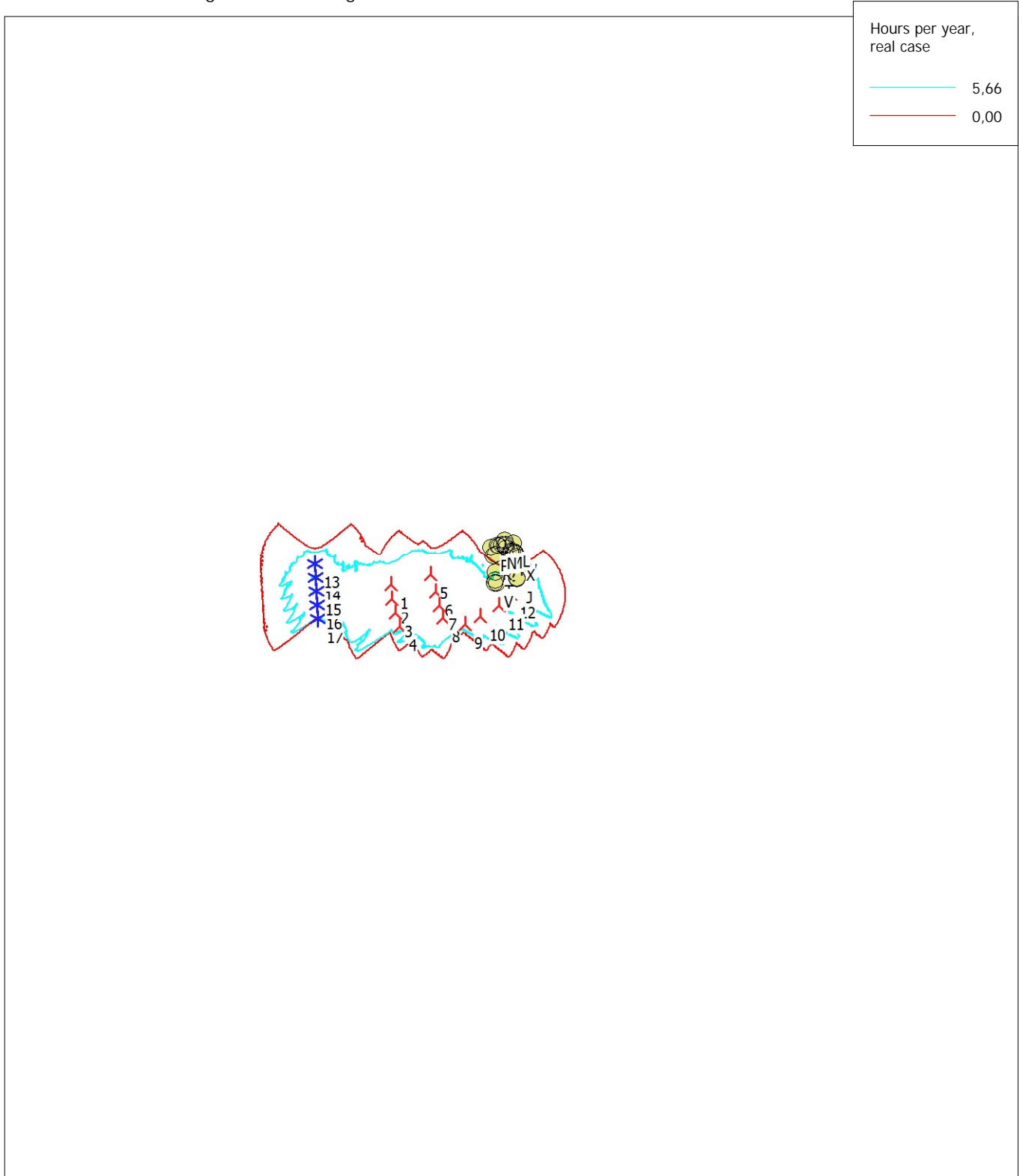
SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens - Cumulatie

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw Bovengrens - Cumulatie



Hours per year, real case	
—	5,66
—	0,00

0 2,5 5 7,5 10km

Map: Blank map , Print scale 1:200.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

- ▲ New WTG
- ✱ Existing WTG
- Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

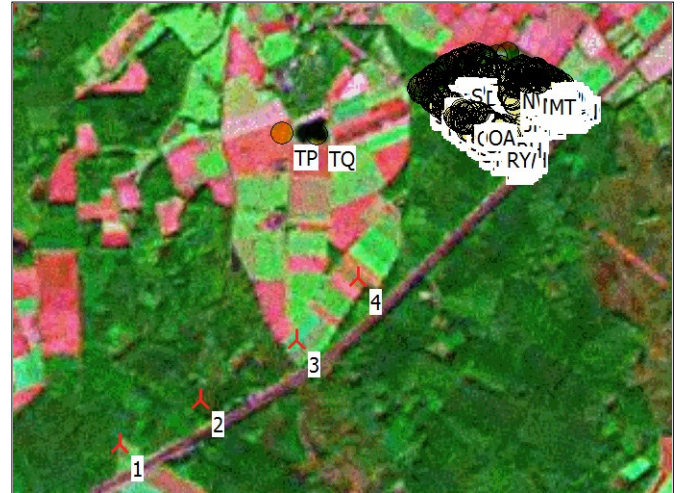
Calculation: Slagschaduw Bovengrens recreatiepark
 Assumptions for shadow calculations

Maximum distance for influence 1.980 m
 Minimum sun height over horizon for influence 3 °
 Day step for calculation 1 days
 Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]
 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 1,51 2,65 3,12 4,87 6,15 5,31 5,98 5,61 4,34 3,29 2,18 1,10

Operational time
 N NNE ENE E ESE SSE S SSW WSW W WNW NNW Sum
 473 547 527 593 464 444 729 1.274 1.330 812 634 588 8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000
 ▲ New WTG ▲ Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
2	143.379	370.536	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
3	144.032	370.911	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
4	144.457	371.313	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.		
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
FC	Vennenbos 259	5527JK Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
KA	Vennenbos 525	5527JK Hapert	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	5527JK Hapert	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	5527JK Hapert	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	5527JK Hapert	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	5527JK Hapert	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	5527JK Hapert	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	5527JK Hapert	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	5527JK Hapert	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	5527JK Hapert	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	5527JK Hapert	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	5527JK Hapert	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	5527JK Hapert	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	5527JK Hapert	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	5527JK Hapert	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	5527JK Hapert	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	5527JK Hapert	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	5527JK Hapert	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	5527JK Hapert	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	5527JK Hapert	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	5527JK Hapert	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	5527JK Hapert	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	5527JK Hapert	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	Hapert	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	5527JK Hapert	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	5527JK Hapert	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	5527JK Hapert	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	5527JK Hapert	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	5527JK Hapert	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	5527JK Hapert	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	5527JK Hapert	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	5527JK Hapert	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	5527JK Hapert	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	5527JK Hapert	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	5527JK Hapert	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	5527JK Hapert	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	5527JK Hapert	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	5527JK Hapert	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	5527JK Hapert	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	5527JK Hapert	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	5527JK Hapert	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	5527JK Hapert	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	5527JK Hapert	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	5527JK Hapert	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	5527JK Hapert	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	5527JK Hapert	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	5527JK Hapert	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	5527JK Hapert	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	5527JK Hapert	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	5527JK Hapert	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	5527JK Hapert	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	5527JK Hapert	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	5527JK Hapert	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	5527JK Hapert	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	5527JK Hapert	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	5527JK Hapert	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	5527JK Hapert	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	5527JK Hapert	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	5527JK Hapert	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	5527JK Hapert	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	5527JK Hapert	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	5527JK Hapert	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	5527JK Hapert	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	5527JK Hapert	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	5527JK Hapert	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
OY	Vennenbos 727	5527JK Hapert	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	5527JK Hapert	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	5527JK Hapert	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	5527JK Hapert	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	5527JK Hapert	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	5527JK Hapert	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	5527JK Hapert	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	5527JK Hapert	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	5527JK Hapert	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	5527JK Hapert	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	5527JK Hapert	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	5527JK Hapert	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	5527JK Hapert	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	5527JK Hapert	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	5527JK Hapert	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	5527JK Hapert	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	5527JK Hapert	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	5527JK Hapert	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	5527JK Hapert	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	5527JK Hapert	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	5527JK Hapert	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	5527JK Hapert	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	5527JK Hapert	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	5527JK Hapert	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	5527JK Hapert	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	5527JK Hapert	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	5527JK Hapert	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	5527JK Hapert	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	5527JK Hapert	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	5527JK Hapert	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	5527JK Hapert	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	5527JK Hapert	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	5527JK Hapert	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	5527JK Hapert	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	5527JK Hapert	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	5527JK Hapert	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	5527JK Hapert	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	5527JK Hapert	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	5527JK Hapert	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	5527JK Hapert	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	5527JK Hapert	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	5527JK Hapert	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	5527JK Hapert	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	5527JK Hapert	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	5527JK Hapert	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	5527JK Hapert	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	5527JK Hapert	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	5527JK Hapert	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	5527JK Hapert	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	5527JK Hapert	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	5527JK Hapert	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	5527JK Hapert	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	5527JK Hapert	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	5527JK Hapert	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	5527JK Hapert	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	5527JK Hapert	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	5527JK Hapert	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	5527JK Hapert	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	5527JK Hapert	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	5527JK Hapert	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	5527JK Hapert	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	5527JK Hapert	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	5527JK Hapert	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	5527JK Hapert	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TP			143.985	372.288	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TQ			144.214	372.271	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:33
C	Vennenbos 1A 5527JK Hapert	2:24
D	Vennenbos 1B 5527JK Hapert	3:19
E	Vennenbos 1C 5527JK Hapert	2:44
F	Vennenbos 1D 5527JK Hapert	4:47
G	Vennenbos 1E 5527JK Hapert	0:05
H	Vennenbos 1G 5527JK Hapert	2:14
I	Vennenbos 2 5527JK Hapert	1:14
J	Vennenbos 3 5527JK Hapert	1:20
K	Vennenbos 4 5527JK Hapert	1:24
L	Vennenbos 5 5527JK Hapert	1:29
M	Vennenbos 6 5527JK Hapert	1:33
N	Vennenbos 7 5527JK Hapert	1:27
O	Vennenbos 8 5527JK Hapert	1:25
P	Vennenbos 9 5527JK Hapert	1:20
Q	Vennenbos 10 5527JK Hapert	1:24
R	Vennenbos 11 5527JK Hapert	1:20
S	Vennenbos 12 5527JK Hapert	1:23
T	Vennenbos 13 5527JK Hapert	1:29
U	Vennenbos 14 5527JK Hapert	1:37
V	Vennenbos 15 5527JK Hapert	1:44
W	Vennenbos 16 5527JK Hapert	1:46
X	Vennenbos 17 5527JK Hapert	1:51
Y	Vennenbos 18 5527JK Hapert	1:55
Z	Vennenbos 19 5527JK Hapert	2:00
AA	Vennenbos 20 5527JK Hapert	2:04
AB	Vennenbos 21 5527JK Hapert	2:04
AC	Vennenbos 22 5527JK Hapert	2:08
AD	Vennenbos 23 5527JK Hapert	2:10
AE	Vennenbos 24 5527JK Hapert	2:07
AF	Vennenbos 25 5527JK Hapert	2:04
AG	Vennenbos 26 5527JK Hapert	2:00
AH	Vennenbos 27 5527JK Hapert	2:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:01
CX	Vennenbos 202 5527JK Hapert	0:05
CY	Vennenbos 203 5527JK Hapert	0:01
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:04
DX	Vennenbos 229 5527JK Hapert	0:09
DY	Vennenbos 230 5527JK Hapert	0:15
DZ	Vennenbos 231 5527JK Hapert	0:18
EA	Vennenbos 232 5527JK Hapert	0:26
EB	Vennenbos 233 5527JK Hapert	0:29
EC	Vennenbos 234 5527JK Hapert	0:30
ED	Vennenbos 235 5527JK Hapert	0:39
EE	Vennenbos 235T Hapert	0:59
EF	Vennenbos 236 5527JK Hapert	0:23
EG	Vennenbos 237 5527JK Hapert	0:26
EH	Vennenbos 238 5527JK Hapert	0:48
EI	Vennenbos 239 5527JK Hapert	0:47
EJ	Vennenbos 240 5527JK Hapert	0:45
EK	Vennenbos 241 5527JK Hapert	0:44
EL	Vennenbos 242 5527JK Hapert	0:52
EM	Vennenbos 243 5527JK Hapert	0:54
EN	Vennenbos 244 5527JK Hapert	1:01
EO	Vennenbos 245 5527JK Hapert	1:06
EP	Vennenbos 246 5527JK Hapert	1:11
EQ	Vennenbos 247 5527JK Hapert	1:00
ER	Vennenbos 248 5527JK Hapert	1:03
ES	Vennenbos 249 5527JK Hapert	1:05
ET	Vennenbos 250 5527JK Hapert	1:15
EU	Vennenbos 251 5527JK Hapert	1:16
EV	Vennenbos 252 5527JK Hapert	1:19
EW	Vennenbos 253 5527JK Hapert	1:29
EX	Vennenbos 254 5527JK Hapert	1:34
EY	Vennenbos 255 5527JK Hapert	1:40
EZ	Vennenbos 256 5527JK Hapert	1:43
FA	Vennenbos 257 5527JK Hapert	1:45
FB	Vennenbos 258 5527JK Hapert	1:43
FC	Vennenbos 259 5527JK Hapert	1:41
FD	Vennenbos 260 5527JK Hapert	1:40
FE	Vennenbos 261 5527JK Hapert	1:34
FF	Vennenbos 262 5527JK Hapert	1:37
FG	Vennenbos 263 5527JK Hapert	1:43
FH	Vennenbos 264 5527JK Hapert	1:50
FI	Vennenbos 265 5527JK Hapert	1:56
FJ	Vennenbos 266 5527JK Hapert	2:03
FK	Vennenbos 267 5527JK Hapert	2:05
FL	Vennenbos 268 5527JK Hapert	2:07
FM	Vennenbos 269 5527JK Hapert	2:14
FN	Vennenbos 270 5527JK Hapert	2:16
FO	Vennenbos 271 5527JK Hapert	2:26
FP	Vennenbos 272 5527JK Hapert	2:27
FQ	Vennenbos 273 5527JK Hapert	2:34
FR	Vennenbos 274 5527JK Hapert	2:35
FS	Vennenbos 275 5527JK Hapert	2:33
FT	Vennenbos 276 5527JK Hapert	2:32
FU	Vennenbos 277 5527JK Hapert	0:52
FV	Vennenbos 278 5527JK Hapert	0:56
FW	Vennenbos 279 5527JK Hapert	0:54
FX	Vennenbos 280 5527JK Hapert	0:53
FY	Vennenbos 281 5527JK Hapert	0:51
FZ	Vennenbos 282 5527JK Hapert	0:45
GA	Vennenbos 283 5527JK Hapert	0:32
GB	Vennenbos 284 5527JK Hapert	0:29
GC	Vennenbos 285 5527JK Hapert	0:20
GD	Vennenbos 286 5527JK Hapert	0:15
GE	Vennenbos 287 5527JK Hapert	0:08
GF	Vennenbos 288 5527JK Hapert	0:03

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	1:25
GL	Vennenbos 302 5527JK Hapert	1:30
GM	Vennenbos 303 5527JK Hapert	1:27
GN	Vennenbos 304 5527JK Hapert	1:22
GO	Vennenbos 305 5527JK Hapert	1:21
GP	Vennenbos 306 5527JK Hapert	1:10
GQ	Vennenbos 307 5527JK Hapert	1:01
GR	Vennenbos 308 5527JK Hapert	0:55
GS	Vennenbos 309 5527JK Hapert	0:47
GT	Vennenbos 310 5527JK Hapert	0:34
GU	Vennenbos 311 5527JK Hapert	0:33
GV	Vennenbos 312 5527JK Hapert	0:26
GW	Vennenbos 313 5527JK Hapert	0:19
GX	Vennenbos 314 5527JK Hapert	0:01
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	2:23
HO	Vennenbos 401T Hapert	2:01
HP	Vennenbos 402 5527JK Hapert	2:34
HQ	Vennenbos 403 5527JK Hapert	2:41
HR	Vennenbos 404 5527JK Hapert	2:50
HS	Vennenbos 405 5527JK Hapert	3:05
HT	Vennenbos 406 5527JK Hapert	3:12
HU	Vennenbos 407 5527JK Hapert	3:13
HV	Vennenbos 408 5527JK Hapert	3:19
HW	Vennenbos 409 5527JK Hapert	3:20
HX	Vennenbos 410 5527JK Hapert	3:25
HY	Vennenbos 411 5527JK Hapert	3:27
HZ	Vennenbos 412 5527JK Hapert	3:27
IA	Vennenbos 413 5527JK Hapert	3:25
IB	Vennenbos 414 5527JK Hapert	3:20
IC	Vennenbos 415 5527JK Hapert	3:18
ID	Vennenbos 416 5527JK Hapert	3:18
IE	Vennenbos 417 5527JK Hapert	3:25
IF	Vennenbos 418 5527JK Hapert	3:28
IG	Vennenbos 419 5527JK Hapert	3:29
IH	Vennenbos 420 5527JK Hapert	3:31
II	Vennenbos 421 5527JK Hapert	3:33
IJ	Vennenbos 422 5527JK Hapert	3:35
IK	Vennenbos 423 5527JK Hapert	3:37
IL	Vennenbos 424 5527JK Hapert	3:40
IM	Vennenbos 425 5527JK Hapert	3:41
IN	Vennenbos 426 5527JK Hapert	3:43
IO	Vennenbos 427 5527JK Hapert	3:45
IP	Vennenbos 428 5527JK Hapert	3:46
IQ	Vennenbos 429 5527JK Hapert	3:46

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:46
IS	Vennenbos 431 5527JK Hapert	3:43
IT	Vennenbos 432 5527JK Hapert	3:42
IU	Vennenbos 433 5527JK Hapert	3:41
IV	Vennenbos 434 5527JK Hapert	3:40
IW	Vennenbos 435 5527JK Hapert	3:36
IX	Vennenbos 436 5527JK Hapert	3:36
IY	Vennenbos 437 5527JK Hapert	3:31
IZ	Vennenbos 438 5527JK Hapert	3:31
JA	Vennenbos 439 5527JK Hapert	3:27
JB	Vennenbos 440 5527JK Hapert	3:24
JC	Vennenbos 501 5527JK Hapert	3:12
JD	Vennenbos 502 5527JK Hapert	3:12
JE	Vennenbos 503 5527JK Hapert	3:15
JF	Vennenbos 504 5527JK Hapert	3:15
JG	Vennenbos 505 5527JK Hapert	3:16
JH	Vennenbos 506 5527JK Hapert	3:17
JI	Vennenbos 507 5527JK Hapert	3:19
JJ	Vennenbos 508 5527JK Hapert	3:18
JK	Vennenbos 509 5527JK Hapert	3:05
JL	Vennenbos 510 5527JK Hapert	3:03
JM	Vennenbos 511 5527JK Hapert	3:03
JN	Vennenbos 512 5527JK Hapert	2:57
JO	Vennenbos 513 5527JK Hapert	2:53
JP	Vennenbos 514 5527JK Hapert	2:48
JQ	Vennenbos 515 5527JK Hapert	2:42
JR	Vennenbos 516 5527JK Hapert	2:13
JS	Vennenbos 517 5527JK Hapert	2:08
JT	Vennenbos 518 5527JK Hapert	2:02
JU	Vennenbos 519 5527JK Hapert	1:57
JV	Vennenbos 520 5527JK Hapert	2:14
JW	Vennenbos 521 5527JK Hapert	2:19
JX	Vennenbos 522 5527JK Hapert	2:24
JY	Vennenbos 523 5527JK Hapert	2:29
JZ	Vennenbos 524 5527JK Hapert	2:31
KA	Vennenbos 525 5527JK Hapert	2:29
KB	Vennenbos 526 5527JK Hapert	2:31
KC	Vennenbos 527 5527JK Hapert	2:24
KD	Vennenbos 528 5527JK Hapert	2:25
KE	Vennenbos 529 5527JK Hapert	2:28
KF	Vennenbos 530 5527JK Hapert	2:32
KG	Vennenbos 531 5527JK Hapert	2:33
KH	Vennenbos 532 5527JK Hapert	2:37
KI	Vennenbos 533 5527JK Hapert	2:38
KJ	Vennenbos 534 5527JK Hapert	2:43
KK	Vennenbos 535 5527JK Hapert	2:43
KL	Vennenbos 536 5527JK Hapert	2:46
KM	Vennenbos 537 5527JK Hapert	2:46
KN	Vennenbos 538 5527JK Hapert	2:48
KO	Vennenbos 539 5527JK Hapert	2:53
KP	Vennenbos 540 5527JK Hapert	2:52
KQ	Vennenbos 541 5527JK Hapert	2:51
KR	Vennenbos 542 5527JK Hapert	2:50
KS	Vennenbos 543 5527JK Hapert	2:48
KT	Vennenbos 544 5527JK Hapert	2:49
KU	Vennenbos 545 5527JK Hapert	2:45
KV	Vennenbos 546 5527JK Hapert	2:44
KW	Vennenbos 547T Hapert	2:45
KX	Vennenbos 901 5527JK Hapert	2:32
KY	Vennenbos 902 5527JK Hapert	2:30
KZ	Vennenbos 903 5527JK Hapert	2:30
LA	Vennenbos 601 5527JK Hapert	2:10
LB	Vennenbos 602 5527JK Hapert	2:05

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	2:04
LD	Vennenbos 604 5527JK Hapert	2:04
LE	Vennenbos 605 5527JK Hapert	2:04
LF	Vennenbos 606 5527JK Hapert	2:03
LG	Vennenbos 607 5527JK Hapert	2:00
LH	Vennenbos 608 5527JK Hapert	1:59
LI	Vennenbos 609 5527JK Hapert	1:57
LJ	Vennenbos 610 5527JK Hapert	1:54
LK	Vennenbos 611 5527JK Hapert	1:52
LL	Vennenbos 612 5527JK Hapert	1:53
LM	Vennenbos 613 5527JK Hapert	1:50
LN	Vennenbos 614 5527JK Hapert	1:49
LO	Vennenbos 615 5527JK Hapert	1:49
LP	Vennenbos 616 5527JK Hapert	1:50
LQ	Vennenbos 617 5527JK Hapert	2:08
LR	Vennenbos 618 5527JK Hapert	2:05
LS	Vennenbos 619 5527JK Hapert	2:01
LT	Vennenbos 620 5527JK Hapert	1:58
LU	Vennenbos 621 5527JK Hapert	1:58
LV	Vennenbos 622 5527JK Hapert	1:57
LW	Vennenbos 623 5527JK Hapert	2:16
LX	Vennenbos 624 5527JK Hapert	2:15
LY	Vennenbos 625 5527JK Hapert	2:17
LZ	Vennenbos 626 5527JK Hapert	2:21
MA	Vennenbos 627 5527JK Hapert	2:22
MB	Vennenbos 628 5527JK Hapert	2:25
MC	Vennenbos 629 5527JK Hapert	2:27
MD	Vennenbos 630 5527JK Hapert	2:28
ME	Vennenbos 631 5527JK Hapert	2:28
MF	Vennenbos 632 5527JK Hapert	2:25
MG	Vennenbos 633 5527JK Hapert	2:20
MH	Vennenbos 634 5527JK Hapert	2:19
MI	Vennenbos 635 5527JK Hapert	2:20
MJ	Vennenbos 636 5527JK Hapert	2:20
MK	Vennenbos 637 5527JK Hapert	2:19
ML	Vennenbos 638 5527JK Hapert	2:16
MM	Vennenbos 639 5527JK Hapert	2:11
MN	Vennenbos 640 5527JK Hapert	2:14
MO	Vennenbos 641 5527JK Hapert	2:17
MP	Vennenbos 642 5527JK Hapert	2:19
MQ	Vennenbos 643 5527JK Hapert	2:21
MR	Vennenbos 644 5527JK Hapert	2:33
MS	Vennenbos 645 5527JK Hapert	2:34
MT	Vennenbos 646 5527JK Hapert	2:31
MU	Vennenbos 647 5527JK Hapert	2:31
MV	Vennenbos 648 5527JK Hapert	2:29
MW	Vennenbos 649 5527JK Hapert	2:27
MX	Vennenbos 650 5527JK Hapert	2:25
MY	Vennenbos 651 5527JK Hapert	2:25
MZ	Vennenbos 652 5527JK Hapert	2:25
NA	Vennenbos 653 5527JK Hapert	2:25
NB	Vennenbos 654 5527JK Hapert	2:27
NC	Vennenbos 655 5527JK Hapert	2:30
ND	Vennenbos 656 5527JK Hapert	2:28
NE	Vennenbos 657 5527JK Hapert	2:26
NF	Vennenbos 658 5527JK Hapert	2:19
NG	Vennenbos 659 5527JK Hapert	2:14
NH	Vennenbos 660 5527JK Hapert	2:10
NI	Vennenbos 661 5527JK Hapert	2:05
NJ	Vennenbos 662 5527JK Hapert	2:03
NK	Vennenbos 663 5527JK Hapert	2:01
NL	Vennenbos 664 5527JK Hapert	1:54
NM	Vennenbos 665 5527JK Hapert	1:53

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:54
NO	Vennenbos 667 5527JK Hapert	1:52
NP	Vennenbos 668 5527JK Hapert	1:54
NQ	Vennenbos 669 5527JK Hapert	1:53
NR	Vennenbos 670 5527JK Hapert	1:53
NS	Vennenbos 671 5527JK Hapert	1:51
NT	Vennenbos 672 5527JK Hapert	1:44
NU	Vennenbos 673 5527JK Hapert	1:38
NV	Vennenbos 674 5527JK Hapert	1:37
NW	Vennenbos 675 5527JK Hapert	1:30
NX	Vennenbos 676 5527JK Hapert	1:28
NY	Vennenbos 701 5527JK Hapert	3:28
NZ	Vennenbos 702 5527JK Hapert	3:25
OA	Vennenbos 703 5527JK Hapert	3:19
OB	Vennenbos 704 5527JK Hapert	3:17
OC	Vennenbos 705 5527JK Hapert	3:16
OD	Vennenbos 706 5527JK Hapert	3:05
OE	Vennenbos 707 5527JK Hapert	3:04
OF	Vennenbos 708 5527JK Hapert	2:54
OG	Vennenbos 709 5527JK Hapert	2:57
OH	Vennenbos 710 5527JK Hapert	2:54
OI	Vennenbos 711 5527JK Hapert	2:55
OJ	Vennenbos 712 5527JK Hapert	2:54
OK	Vennenbos 713 5527JK Hapert	2:43
OL	Vennenbos 714 5527JK Hapert	2:28
OM	Vennenbos 715 5527JK Hapert	2:07
ON	Vennenbos 716 5527JK Hapert	2:04
OO	Vennenbos 717 5527JK Hapert	1:46
OP	Vennenbos 718 5527JK Hapert	1:43
OQ	Vennenbos 719 5527JK Hapert	1:28
OR	Vennenbos 720 5527JK Hapert	0:55
OS	Vennenbos 721 5527JK Hapert	0:41
OT	Vennenbos 722 5527JK Hapert	0:38
OU	Vennenbos 723 5527JK Hapert	0:33
OV	Vennenbos 724 5527JK Hapert	0:21
OW	Vennenbos 725 5527JK Hapert	0:18
OX	Vennenbos 726 5527JK Hapert	0:14
OY	Vennenbos 727 5527JK Hapert	0:12
OZ	Vennenbos 728 5527JK Hapert	0:05
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:02
PW	Vennenbos 751 5527JK Hapert	0:09
PX	Vennenbos 752 5527JK Hapert	0:30

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:42
PZ	Vennenbos 754 5527JK Hapert	0:51
QA	Vennenbos 755 5527JK Hapert	0:52
QB	Vennenbos 756 5527JK Hapert	1:11
QC	Vennenbos 757 5527JK Hapert	1:23
QD	Vennenbos 758 5527JK Hapert	1:26
QE	Vennenbos 759 5527JK Hapert	1:28
QF	Vennenbos 760 5527JK Hapert	1:34
QG	Vennenbos 761 5527JK Hapert	1:23
QH	Vennenbos 801 5527JK Hapert	3:50
QI	Vennenbos 802 5527JK Hapert	4:00
QJ	Vennenbos 803 5527JK Hapert	4:05
QK	Vennenbos 804 5527JK Hapert	4:34
QL	Vennenbos 805 5527JK Hapert	4:33
QM	Vennenbos 806 5527JK Hapert	4:30
QN	Vennenbos 807 5527JK Hapert	4:29
QO	Vennenbos 808 5527JK Hapert	4:26
QP	Vennenbos 809 5527JK Hapert	4:25
QQ	Vennenbos 810 5527JK Hapert	4:22
QR	Vennenbos 811 5527JK Hapert	4:22
QS	Vennenbos 812 5527JK Hapert	4:23
QT	Vennenbos 813 5527JK Hapert	4:23
QU	Vennenbos 814 5527JK Hapert	4:22
QV	Vennenbos 815 5527JK Hapert	4:23
QW	Vennenbos 816 5527JK Hapert	4:22
QX	Vennenbos 817 5527JK Hapert	4:23
QY	Vennenbos 818 5527JK Hapert	4:22
QZ	Vennenbos 819 5527JK Hapert	4:20
RA	Vennenbos 820 5527JK Hapert	4:19
RB	Vennenbos 821 5527JK Hapert	4:16
RC	Vennenbos 822 5527JK Hapert	4:14
RD	Vennenbos 823 5527JK Hapert	4:12
RE	Vennenbos 824 5527JK Hapert	4:08
RF	Vennenbos 825 5527JK Hapert	4:06
RG	Vennenbos 826 5527JK Hapert	4:04
RH	Vennenbos 827 5527JK Hapert	3:58
RI	Vennenbos 828 5527JK Hapert	3:55
RJ	Vennenbos 829 5527JK Hapert	5:07
RK	Vennenbos 830 5527JK Hapert	5:06
RL	Vennenbos 831 5527JK Hapert	5:06
RM	Vennenbos 832 5527JK Hapert	5:04
RN	Vennenbos 833 5527JK Hapert	5:03
RO	Vennenbos 834 5527JK Hapert	5:03
RP	Vennenbos 835 5527JK Hapert	5:01
RQ	Vennenbos 836 5527JK Hapert	4:59
RR	Vennenbos 837 5527JK Hapert	4:55
RS	Vennenbos 838 5527JK Hapert	4:53
RT	Vennenbos 839 5527JK Hapert	4:49
RU	Vennenbos 840 5527JK Hapert	4:46
RV	Vennenbos 841 5527JK Hapert	4:42
RW	Vennenbos 842 5527JK Hapert	4:40
RX	Vennenbos 843 5527JK Hapert	4:38
RY	Vennenbos 844 5527JK Hapert	4:34
RZ	Vennenbos 845 5527JK Hapert	3:54
SA	Vennenbos 846 5527JK Hapert	4:02
SB	Vennenbos 847 5527JK Hapert	4:11
SC	Vennenbos 848 5527JK Hapert	4:06
SD	Vennenbos 849 5527JK Hapert	4:05
SE	Vennenbos 850 5527JK Hapert	4:05
SF	Vennenbos 851 5527JK Hapert	4:08
SG	Vennenbos 852 5527JK Hapert	4:08
SH	Vennenbos 853 5527JK Hapert	4:01
SI	Vennenbos 854 5527JK Hapert	4:00

To be continued on next page...

SHADOW - Main Result

Calculation: Slagschaduw Bovengrens recreatiepark

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	3:58
	SK Vennenbos 856 5527JK Hapert	3:46
	SL Vennenbos 857 5527JK Hapert	3:44
	SM Vennenbos 858 5527JK Hapert	3:34
	SN Vennenbos 859 5527JK Hapert	3:04
	SO Vennenbos 860 5527JK Hapert	3:04
	SP Vennenbos 861 5527JK Hapert	3:05
	SQ Vennenbos 862 5527JK Hapert	2:53
	SR Vennenbos 863 5527JK Hapert	2:35
	SS Vennenbos 864 5527JK Hapert	4:46
	ST Vennenbos 865 5527JK Hapert	4:49
	SU Vennenbos 866 5527JK Hapert	5:02
	SV Vennenbos 867 5527JK Hapert	5:09
	SW Vennenbos 868 5527JK Hapert	5:20
	SX Vennenbos 869 5527JK Hapert	5:24
	SY Vennenbos 870 5527JK Hapert	4:23
	SZ Vennenbos 871 5527JK Hapert	4:15
	TA Vennenbos 872 5527JK Hapert	4:12
	TB Vennenbos 873 5527JK Hapert	4:07
	TC Vennenbos 874 5527JK Hapert	4:01
	TD Vennenbos 875 5527JK Hapert	3:53
	TE Vennenbos 876 5527JK Hapert	3:47
	TF Vennenbos 877 5527JK Hapert	3:42
	TG Vennenbos 878 5527JK Hapert	3:38
	TH Vennenbos 879 5527JK Hapert	3:33
	TI Vennenbos 880 5527JK Hapert	3:17
	TJ Vennenbos 881 5527JK Hapert	3:17
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:42
	TN Vennenbos 548 5527JK Hapert	2:40
	TO Vennenbos 549 5527JK Hapert	2:38
	TP	1:15
	TQ	0:00

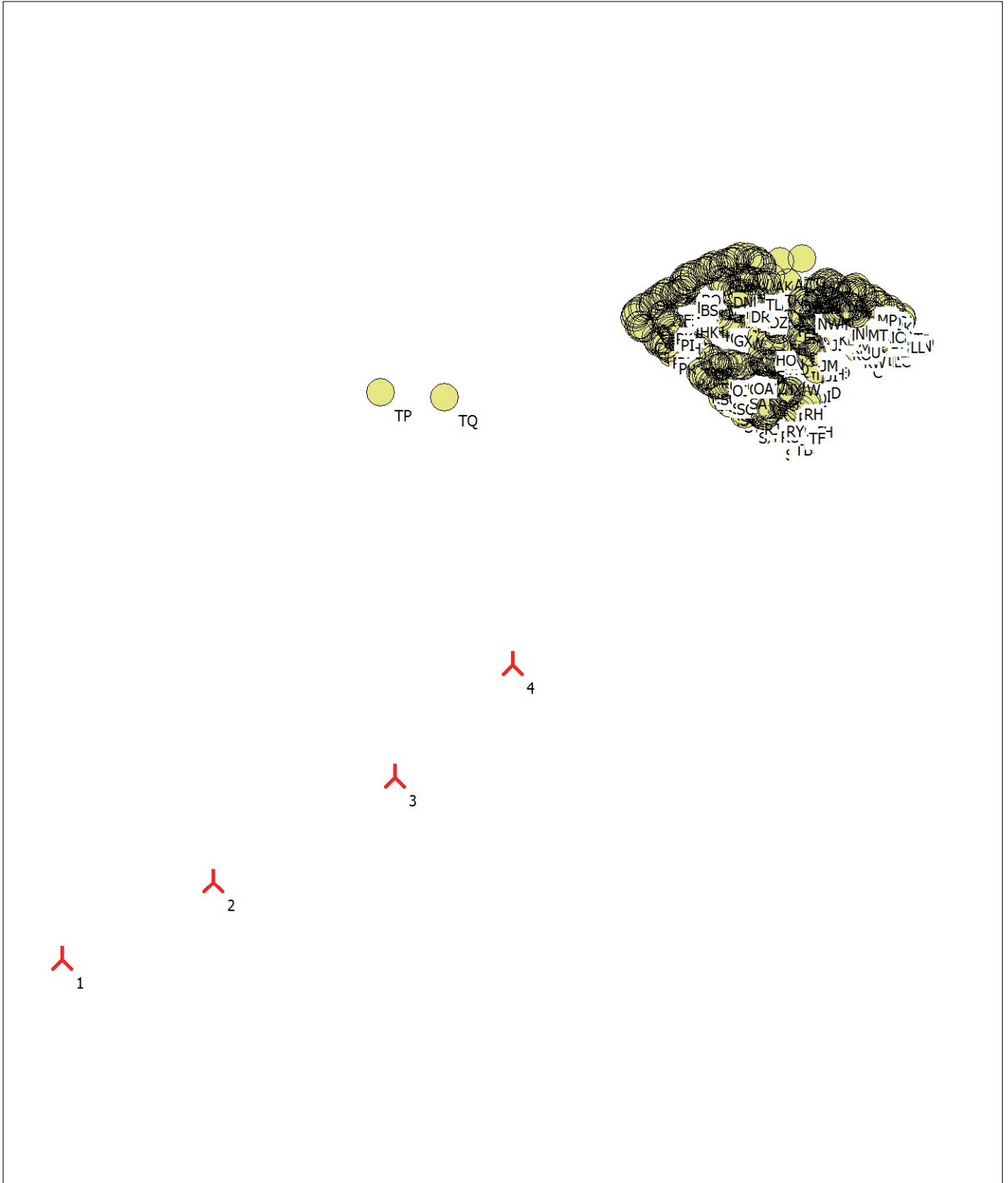
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (490)	0:00	0:00
2	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (491)	0:00	0:00
3	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (492)	46:20	5:19
4	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (493)	122:24	14:19

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: Slagschaduw Bovengrens recreatiepark



0 250 500 750 1000m

Map: Blank map , Print scale 1:20.000, Map center Dutch Stereo-RD/NAP 2008 East: 144.349 North: 371.519

New WTG

Shadow receptor

Flicker map level: 0 m above sea level

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

Assumptions for shadow calculations

Maximum distance for influence	1.980 m
Minimum sun height over horizon for influence	3 °
Day step for calculation	1 days
Time step for calculation	1 minutes

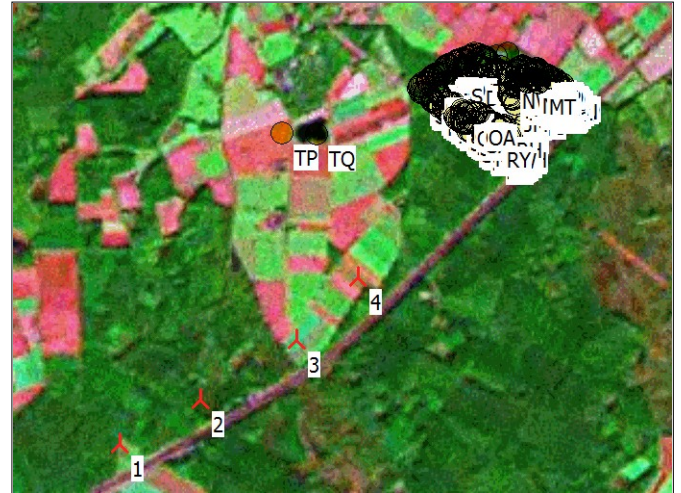
Sunshine probability S (Average daily sunshine hours) [MAASTRICHT]

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1,51	2,65	3,12	4,87	6,15	5,31	5,98	5,61	4,34	3,29	2,18	1,10

Operational time

N	NNE	ENE	E	ESE	SSE	S	SSW	WSW	W	WNW	NNW	Sum
473	547	527	593	464	444	729	1.274	1.330	812	634	588	8.415

All coordinates are in
 Dutch Stereo-RD/NAP 2008



Scale 1:50.000
 New WTG Shadow receptor

WTGs

X (east)	Y (north)	Z [m]	Row data/Description	WTG type						
				Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	RPM [RPM]
1	142.835	370.259	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
2	143.379	370.536	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
3	144.032	370.911	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8
4	144.457	371.313	0,0 refturbine Ref. Turbine 4800 165.0 !O! hub: 157,...	Yes	refturbine	Ref. Turbine-4.800	4.800	165,0	157,5	8,8

Shadow receptor-Input

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
				[m]	[m]	[m]	[m]	[°]	[°]		[m]
A	Schouberg 7	145.420	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
B	Vennenbos 1	145.449	372.681	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
C	Vennenbos 1A	145.703	372.440	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
D	Vennenbos 1B	145.554	372.368	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
E	Vennenbos 1C	145.356	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
F	Vennenbos 1D	145.285	372.279	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
G	Vennenbos 1E	145.501	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
H	Vennenbos 1G	145.793	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
I	Vennenbos 2	145.513	372.649	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
J	Vennenbos 3	145.525	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
K	Vennenbos 4	145.535	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
L	Vennenbos 5	145.552	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
M	Vennenbos 6	145.561	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
N	Vennenbos 7	145.562	372.654	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
O	Vennenbos 8	145.566	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
P	Vennenbos 9	145.567	372.670	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Q	Vennenbos 10	145.578	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
R	Vennenbos 11	145.581	372.680	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
S	Vennenbos 12	145.591	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
T	Vennenbos 13	145.602	372.677	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
U	Vennenbos 14	145.614	372.669	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
V	Vennenbos 15	145.625	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
W	Vennenbos 16	145.622	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
X	Vennenbos 17	145.622	372.647	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Y	Vennenbos 18	145.618	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
Z	Vennenbos 19	145.627	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AA	Vennenbos 20	145.636	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AB	Vennenbos 21	145.656	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AC	Vennenbos 22	145.667	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AD	Vennenbos 23	145.675	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height		
				[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]		
AE	Vennenbos 24	5527JK	Hapert	145.678	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AF	Vennenbos 25	5527JK	Hapert	145.681	372.652	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AG	Vennenbos 26	5527JK	Hapert	145.681	372.660	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AH	Vennenbos 27	5527JK	Hapert	145.694	372.664	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AI	Vennenbos 101	5527JK	Hapert	145.358	372.731	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AJ	Vennenbos 102	5527JK	Hapert	145.358	372.740	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AK	Vennenbos 103	5527JK	Hapert	145.353	372.749	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AL	Vennenbos 104	5527JK	Hapert	145.347	372.750	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AM	Vennenbos 105	5527JK	Hapert	145.338	372.759	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AN	Vennenbos 106	5527JK	Hapert	145.331	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AO	Vennenbos 107	5527JK	Hapert	145.323	372.755	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AP	Vennenbos 108	5527JK	Hapert	145.314	372.751	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AQ	Vennenbos 109	5527JK	Hapert	145.313	372.761	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AR	Vennenbos 110	5527JK	Hapert	145.305	372.771	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AS	Vennenbos 111	5527JK	Hapert	145.277	372.775	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AT	Vennenbos 112	5527JK	Hapert	145.268	372.768	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AU	Vennenbos 113	5527JK	Hapert	145.261	372.767	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AV	Vennenbos 114	5527JK	Hapert	145.258	372.757	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AW	Vennenbos 115	5527JK	Hapert	145.251	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AX	Vennenbos 116	5527JK	Hapert	145.244	372.756	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AY	Vennenbos 117	5527JK	Hapert	145.221	372.753	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
AZ	Vennenbos 118	5527JK	Hapert	145.218	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BA	Vennenbos 119	5527JK	Hapert	145.216	372.732	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BB	Vennenbos 120	5527JK	Hapert	145.208	372.734	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BC	Vennenbos 121	5527JK	Hapert	145.198	372.737	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BD	Vennenbos 122	5527JK	Hapert	145.184	372.743	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BE	Vennenbos 123	5527JK	Hapert	145.175	372.736	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BF	Vennenbos 124	5527JK	Hapert	145.168	372.735	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BG	Vennenbos 125	5527JK	Hapert	145.165	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BH	Vennenbos 126	5527JK	Hapert	145.158	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BI	Vennenbos 127	5527JK	Hapert	145.150	372.725	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BJ	Vennenbos 128	5527JK	Hapert	145.141	372.718	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BK	Vennenbos 129	5527JK	Hapert	145.112	372.711	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BL	Vennenbos 130	5527JK	Hapert	145.111	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BM	Vennenbos 131	5527JK	Hapert	145.103	372.703	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BN	Vennenbos 132	5527JK	Hapert	145.094	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BO	Vennenbos 133	5527JK	Hapert	145.087	372.702	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BP	Vennenbos 134	5527JK	Hapert	145.082	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BQ	Vennenbos 135	5527JK	Hapert	145.076	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BR	Vennenbos 136	5527JK	Hapert	145.071	372.675	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BS	Vennenbos 137	5527JK	Hapert	145.085	372.665	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BT	Vennenbos 138	5527JK	Hapert	145.076	372.657	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BU	Vennenbos 139	5527JK	Hapert	145.070	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BV	Vennenbos 140	5527JK	Hapert	145.066	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BW	Vennenbos 141	5527JK	Hapert	145.060	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BX	Vennenbos 142	5527JK	Hapert	145.049	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BY	Vennenbos 143	5527JK	Hapert	145.043	372.638	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
BZ	Vennenbos 144	5527JK	Hapert	145.037	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CA	Vennenbos 145	5527JK	Hapert	145.022	372.650	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CB	Vennenbos 146	5527JK	Hapert	145.013	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CC	Vennenbos 147	5527JK	Hapert	145.006	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CD	Vennenbos 148	5527JK	Hapert	145.004	372.632	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CE	Vennenbos 149	5527JK	Hapert	144.997	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CF	Vennenbos 150	5527JK	Hapert	144.989	372.631	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CG	Vennenbos 151	5527JK	Hapert	144.980	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CH	Vennenbos 152	5527JK	Hapert	144.968	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CI	Vennenbos 153	5527JK	Hapert	144.964	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CJ	Vennenbos 154	5527JK	Hapert	144.963	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CK	Vennenbos 155	5527JK	Hapert	144.954	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CL	Vennenbos 156	5527JK	Hapert	144.935	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CM	Vennenbos 157	5527JK	Hapert	144.925	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CN	Vennenbos 158	5527JK	Hapert	144.911	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CO	Vennenbos 159	5527JK	Hapert	144.903	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CP	Vennenbos 160	5527JK	Hapert	144.903	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height	
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	window		[m]	
							[m]	[°]	[°]			
CQ	Vennenbos 161	5527JK Hapert	144.898	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CR	Vennenbos 162	5527JK Hapert	144.912	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CS	Vennenbos 163	5527JK Hapert	144.919	372.530	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CT	Vennenbos 164	5527JK Hapert	144.924	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CU	Vennenbos 165	5527JK Hapert	144.932	372.518	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CV	Vennenbos 166	5527JK Hapert	144.941	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CW	Vennenbos 201	5527JK Hapert	145.375	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CX	Vennenbos 202	5527JK Hapert	145.373	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CY	Vennenbos 203	5527JK Hapert	145.362	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
CZ	Vennenbos 204	5527JK Hapert	145.354	372.674	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DA	Vennenbos 205	5527JK Hapert	145.346	372.673	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DB	Vennenbos 206	5527JK Hapert	145.341	372.682	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DC	Vennenbos 207	5527JK Hapert	145.326	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DD	Vennenbos 209	5527JK Hapert	145.312	372.690	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DE	Vennenbos 210	5527JK Hapert	145.301	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DF	Vennenbos 211	5527JK Hapert	145.295	372.689	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DG	Vennenbos 212	5527JK Hapert	145.290	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DH	Vennenbos 213	5527JK Hapert	145.283	372.698	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DI	Vennenbos 214	5527JK Hapert	145.276	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DJ	Vennenbos 215	5527JK Hapert	145.230	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DK	Vennenbos 216	5527JK Hapert	145.221	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DL	Vennenbos 217	5527JK Hapert	145.214	372.684	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DM	Vennenbos 218	5527JK Hapert	145.209	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DN	Vennenbos 219	5527JK Hapert	145.202	372.693	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DO	Vennenbos 220	5527JK Hapert	145.248	372.656	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DP	Vennenbos 221	5527JK Hapert	145.256	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DQ	Vennenbos 222	5527JK Hapert	145.259	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DR	Vennenbos 223	5527JK Hapert	145.266	372.641	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DS	Vennenbos 224	5527JK Hapert	145.274	372.643	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DT	Vennenbos 225	5527JK Hapert	145.283	372.645	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DU	Vennenbos 226	5527JK Hapert	145.289	372.634	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DV	Vennenbos 227	5527JK Hapert	145.298	372.633	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DW	Vennenbos 228	5527JK Hapert	145.304	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DX	Vennenbos 229	5527JK Hapert	145.316	372.624	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DY	Vennenbos 230	5527JK Hapert	145.325	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
DZ	Vennenbos 231	5527JK Hapert	145.332	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EA	Vennenbos 232	5527JK Hapert	145.337	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EB	Vennenbos 233	5527JK Hapert	145.344	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EC	Vennenbos 234	5527JK Hapert	145.352	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ED	Vennenbos 235	5527JK Hapert	145.362	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EE	Vennenbos 235T	Hapert	145.376	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EF	Vennenbos 236	5527JK Hapert	145.416	372.672	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EG	Vennenbos 237	5527JK Hapert	145.407	372.662	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EH	Vennenbos 238	5527JK Hapert	145.428	372.639	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EI	Vennenbos 239	5527JK Hapert	145.434	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EJ	Vennenbos 240	5527JK Hapert	145.439	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EK	Vennenbos 241	5527JK Hapert	145.445	372.658	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EL	Vennenbos 242	5527JK Hapert	145.456	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EM	Vennenbos 243	5527JK Hapert	145.461	372.651	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EN	Vennenbos 244	5527JK Hapert	145.465	372.644	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EO	Vennenbos 245	5527JK Hapert	145.470	372.636	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EP	Vennenbos 246	5527JK Hapert	145.474	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EQ	Vennenbos 247	5527JK Hapert	145.409	372.607	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ER	Vennenbos 248	5527JK Hapert	145.415	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ES	Vennenbos 249	5527JK Hapert	145.420	372.606	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ET	Vennenbos 250	5527JK Hapert	145.424	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EU	Vennenbos 251	5527JK Hapert	145.429	372.593	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EV	Vennenbos 252	5527JK Hapert	145.435	372.592	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EW	Vennenbos 253	5527JK Hapert	145.439	372.579	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EX	Vennenbos 254	5527JK Hapert	145.444	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EY	Vennenbos 255	5527JK Hapert	145.448	372.566	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
EZ	Vennenbos 256	5527JK Hapert	145.453	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FA	Vennenbos 257	5527JK Hapert	145.458	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FB	Vennenbos 258	5527JK Hapert	145.464	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window [°]	Direction mode	Eye height (ZVI) a.g.l. [m]	
FC	Vennenbos 259	5527JK Hapert	145.469	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FD	Vennenbos 260	5527JK Hapert	145.476	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FE	Vennenbos 261	5527JK Hapert	145.387	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FF	Vennenbos 262	5527JK Hapert	145.393	372.539	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FG	Vennenbos 263	5527JK Hapert	145.398	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FH	Vennenbos 264	5527JK Hapert	145.402	372.525	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FI	Vennenbos 265	5527JK Hapert	145.408	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FJ	Vennenbos 266	5527JK Hapert	145.413	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FK	Vennenbos 267	5527JK Hapert	145.418	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FL	Vennenbos 268	5527JK Hapert	145.423	372.512	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FM	Vennenbos 269	5527JK Hapert	145.429	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FN	Vennenbos 270	5527JK Hapert	145.433	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FO	Vennenbos 271	5527JK Hapert	145.442	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FP	Vennenbos 272	5527JK Hapert	145.447	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FQ	Vennenbos 273	5527JK Hapert	145.452	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FR	Vennenbos 274	5527JK Hapert	145.457	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FS	Vennenbos 275	5527JK Hapert	145.463	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FT	Vennenbos 276	5527JK Hapert	145.468	372.500	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FU	Vennenbos 277	5527JK Hapert	145.337	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FV	Vennenbos 278	5527JK Hapert	145.333	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FW	Vennenbos 279	5527JK Hapert	145.325	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FX	Vennenbos 280	5527JK Hapert	145.317	372.558	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FY	Vennenbos 281	5527JK Hapert	145.309	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
FZ	Vennenbos 282	5527JK Hapert	145.308	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GA	Vennenbos 283	5527JK Hapert	145.289	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GB	Vennenbos 284	5527JK Hapert	145.291	372.575	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GC	Vennenbos 285	5527JK Hapert	145.286	372.585	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GD	Vennenbos 286	5527JK Hapert	145.277	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GE	Vennenbos 287	5527JK Hapert	145.272	372.595	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GF	Vennenbos 288	5527JK Hapert	145.262	372.596	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GG	Vennenbos 289	5527JK Hapert	145.253	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GH	Vennenbos 290	5527JK Hapert	145.247	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GI	Vennenbos 291	5527JK Hapert	145.244	372.599	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GJ	Vennenbos 292	5527JK Hapert	145.237	372.608	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GK	Vennenbos 301	5527JK Hapert	145.315	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GL	Vennenbos 302	5527JK Hapert	145.315	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GM	Vennenbos 303	5527JK Hapert	145.305	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GN	Vennenbos 304	5527JK Hapert	145.297	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GO	Vennenbos 305	5527JK Hapert	145.290	372.501	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GP	Vennenbos 306	5527JK Hapert	145.277	372.507	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GQ	Vennenbos 307	5527JK Hapert	145.274	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GR	Vennenbos 308	5527JK Hapert	145.262	372.517	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GS	Vennenbos 309	5527JK Hapert	145.258	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GT	Vennenbos 310	5527JK Hapert	145.244	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GU	Vennenbos 311	5527JK Hapert	145.238	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GV	Vennenbos 312	5527JK Hapert	145.235	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GW	Vennenbos 313	5527JK Hapert	145.230	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GX	Vennenbos 314	5527JK Hapert	145.204	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GY	Vennenbos 315	5527JK Hapert	145.199	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
GZ	Vennenbos 316	5527JK Hapert	145.192	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HA	Vennenbos 317	5527JK Hapert	145.175	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HB	Vennenbos 318	5527JK Hapert	145.167	372.573	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HC	Vennenbos 319	5527JK Hapert	145.162	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HD	Vennenbos 320	5527JK Hapert	145.151	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HE	Vennenbos 321	5527JK Hapert	145.143	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HF	Vennenbos 322	5527JK Hapert	145.136	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HG	Vennenbos 323	5527JK Hapert	145.134	372.587	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HH	Vennenbos 324	5527JK Hapert	145.130	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HI	Vennenbos 325	5527JK Hapert	145.093	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HJ	Vennenbos 326	5527JK Hapert	145.087	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HK	Vennenbos 327	5527JK Hapert	145.082	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HL	Vennenbos 328	5527JK Hapert	145.075	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HM	Vennenbos 329	5527JK Hapert	145.066	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HN	Vennenbos 401	5527JK Hapert	145.384	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]
HO	Vennenbos 401T Hapert	145.354	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HP	Vennenbos 402 5527JK Hapert	145.386	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HQ	Vennenbos 403 5527JK Hapert	145.400	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HR	Vennenbos 404 5527JK Hapert	145.411	372.443	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HS	Vennenbos 405 5527JK Hapert	145.356	372.399	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HT	Vennenbos 406 5527JK Hapert	145.361	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HU	Vennenbos 407 5527JK Hapert	145.366	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HV	Vennenbos 408 5527JK Hapert	145.372	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HW	Vennenbos 409 5527JK Hapert	145.377	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HX	Vennenbos 410 5527JK Hapert	145.382	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HY	Vennenbos 411 5527JK Hapert	145.387	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
HZ	Vennenbos 412 5527JK Hapert	145.393	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IA	Vennenbos 413 5527JK Hapert	145.398	372.387	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IB	Vennenbos 414 5527JK Hapert	145.403	372.394	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IC	Vennenbos 415 5527JK Hapert	145.408	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ID	Vennenbos 416 5527JK Hapert	145.480	372.424	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IE	Vennenbos 417 5527JK Hapert	145.540	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IF	Vennenbos 418 5527JK Hapert	145.535	372.354	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IG	Vennenbos 419 5527JK Hapert	145.530	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IH	Vennenbos 420 5527JK Hapert	145.525	372.347	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
II	Vennenbos 421 5527JK Hapert	145.519	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IJ	Vennenbos 422 5527JK Hapert	145.515	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IK	Vennenbos 423 5527JK Hapert	145.509	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IL	Vennenbos 424 5527JK Hapert	145.504	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IM	Vennenbos 425 5527JK Hapert	145.500	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IN	Vennenbos 426 5527JK Hapert	145.495	372.333	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IO	Vennenbos 427 5527JK Hapert	145.488	372.334	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IP	Vennenbos 428 5527JK Hapert	145.483	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IQ	Vennenbos 429 5527JK Hapert	145.478	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IR	Vennenbos 430 5527JK Hapert	145.473	372.353	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IS	Vennenbos 431 5527JK Hapert	145.467	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IT	Vennenbos 432 5527JK Hapert	145.462	372.366	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IU	Vennenbos 433 5527JK Hapert	145.457	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IV	Vennenbos 434 5527JK Hapert	145.452	372.372	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IW	Vennenbos 435 5527JK Hapert	145.446	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IX	Vennenbos 436 5527JK Hapert	145.441	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IY	Vennenbos 437 5527JK Hapert	145.436	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
IZ	Vennenbos 438 5527JK Hapert	145.430	372.385	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JA	Vennenbos 439 5527JK Hapert	145.425	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JB	Vennenbos 440 5527JK Hapert	145.420	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JC	Vennenbos 501 5527JK Hapert	145.568	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JD	Vennenbos 502 5527JK Hapert	145.564	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JE	Vennenbos 503 5527JK Hapert	145.559	372.438	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JF	Vennenbos 504 5527JK Hapert	145.553	372.439	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JG	Vennenbos 505 5527JK Hapert	145.547	372.433	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JH	Vennenbos 506 5527JK Hapert	145.542	372.434	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JI	Vennenbos 507 5527JK Hapert	145.536	372.428	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JJ	Vennenbos 508 5527JK Hapert	145.531	372.429	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JK	Vennenbos 509 5527JK Hapert	145.526	372.463	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JL	Vennenbos 510 5527JK Hapert	145.520	372.464	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JM	Vennenbos 511 5527JK Hapert	145.515	372.465	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JN	Vennenbos 512 5527JK Hapert	145.511	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JO	Vennenbos 513 5527JK Hapert	145.506	372.479	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JP	Vennenbos 514 5527JK Hapert	145.502	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JQ	Vennenbos 515 5527JK Hapert	145.497	372.493	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JR	Vennenbos 516 5527JK Hapert	145.512	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JS	Vennenbos 517 5527JK Hapert	145.508	372.556	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JT	Vennenbos 518 5527JK Hapert	145.504	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JU	Vennenbos 519 5527JK Hapert	145.499	372.571	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JV	Vennenbos 520 5527JK Hapert	145.539	372.563	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JW	Vennenbos 521 5527JK Hapert	145.543	372.555	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JX	Vennenbos 522 5527JK Hapert	145.547	372.548	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JY	Vennenbos 523 5527JK Hapert	145.551	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
JZ	Vennenbos 524 5527JK Hapert	145.556	372.541	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
									Window		a.g.l.
KA	Vennenbos 525	145.562	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KB	Vennenbos 526	145.568	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KC	Vennenbos 527	145.576	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KD	Vennenbos 528	145.581	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KE	Vennenbos 529	145.587	372.560	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KF	Vennenbos 530	145.591	372.553	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KG	Vennenbos 531	145.596	372.552	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KH	Vennenbos 532	145.600	372.545	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KI	Vennenbos 533	145.605	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KJ	Vennenbos 534	145.610	372.537	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KK	Vennenbos 535	145.615	372.536	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KL	Vennenbos 536	145.619	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KM	Vennenbos 537	145.624	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KN	Vennenbos 538	145.629	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KO	Vennenbos 539	145.631	372.504	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KP	Vennenbos 540	145.636	372.499	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KQ	Vennenbos 541	145.641	372.498	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KR	Vennenbos 542	145.646	372.497	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KS	Vennenbos 543	145.652	372.503	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KT	Vennenbos 544	145.657	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KU	Vennenbos 545	145.664	372.513	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KV	Vennenbos 546	145.670	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KW	Vennenbos 547T	145.670	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KX	Vennenbos 901	145.716	372.533	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KY	Vennenbos 902	145.721	372.527	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
KZ	Vennenbos 903	145.725	372.521	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LA	Vennenbos 601	145.759	372.483	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LB	Vennenbos 602	145.773	372.477	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LC	Vennenbos 603	145.781	372.478	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LD	Vennenbos 604	145.782	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LE	Vennenbos 605	145.785	372.495	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LF	Vennenbos 606	145.788	372.505	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LG	Vennenbos 607	145.800	372.506	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LH	Vennenbos 608	145.802	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LI	Vennenbos 609	145.814	372.515	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LJ	Vennenbos 610	145.822	372.509	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LK	Vennenbos 611	145.836	372.524	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LL	Vennenbos 612	145.840	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LM	Vennenbos 613	145.845	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LN	Vennenbos 614	145.854	372.538	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LO	Vennenbos 615	145.859	372.549	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LP	Vennenbos 616	145.857	372.557	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LQ	Vennenbos 617	145.813	372.586	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LR	Vennenbos 618	145.817	372.574	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LS	Vennenbos 619	145.823	372.572	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LT	Vennenbos 620	145.825	372.562	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LU	Vennenbos 621	145.820	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LV	Vennenbos 622	145.820	372.544	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LW	Vennenbos 623	145.764	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LX	Vennenbos 624	145.770	372.535	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LY	Vennenbos 625	145.769	372.546	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
LZ	Vennenbos 626	145.760	372.550	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MA	Vennenbos 627	145.759	372.561	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MB	Vennenbos 628	145.749	372.565	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MC	Vennenbos 629	145.742	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MD	Vennenbos 630	145.733	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ME	Vennenbos 631	145.733	372.578	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MF	Vennenbos 632	145.739	372.591	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MG	Vennenbos 633	145.750	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MH	Vennenbos 634	145.758	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MI	Vennenbos 635	145.764	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MJ	Vennenbos 636	145.766	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MK	Vennenbos 637	145.773	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ML	Vennenbos 638	145.782	372.600	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
MM	Vennenbos 639	5527JK Hapert	145.704	372.646	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MN	Vennenbos 640	5527JK Hapert	145.711	372.642	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MO	Vennenbos 641	5527JK Hapert	145.718	372.637	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MP	Vennenbos 642	5527JK Hapert	145.720	372.629	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MQ	Vennenbos 643	5527JK Hapert	145.727	372.623	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MR	Vennenbos 644	5527JK Hapert	145.697	372.568	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MS	Vennenbos 645	5527JK Hapert	145.691	372.569	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MT	Vennenbos 646	5527JK Hapert	145.686	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MU	Vennenbos 647	5527JK Hapert	145.682	372.583	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MV	Vennenbos 648	5527JK Hapert	145.677	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MW	Vennenbos 649	5527JK Hapert	145.673	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MX	Vennenbos 650	5527JK Hapert	145.667	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MY	Vennenbos 651	5527JK Hapert	145.661	372.598	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
MZ	Vennenbos 652	5527JK Hapert	145.651	372.594	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NA	Vennenbos 653	5527JK Hapert	145.645	372.588	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NB	Vennenbos 654	5527JK Hapert	145.639	372.582	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NC	Vennenbos 655	5527JK Hapert	145.633	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ND	Vennenbos 656	5527JK Hapert	145.628	372.576	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NE	Vennenbos 657	5527JK Hapert	145.623	372.577	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NF	Vennenbos 658	5527JK Hapert	145.619	372.590	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NG	Vennenbos 659	5527JK Hapert	145.615	372.597	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NH	Vennenbos 660	5527JK Hapert	145.611	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NI	Vennenbos 661	5527JK Hapert	145.607	372.612	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NJ	Vennenbos 662	5527JK Hapert	145.601	372.613	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NK	Vennenbos 663	5527JK Hapert	145.596	372.614	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NL	Vennenbos 664	5527JK Hapert	145.586	372.620	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NM	Vennenbos 665	5527JK Hapert	145.581	372.621	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NN	Vennenbos 666	5527JK Hapert	145.574	372.615	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NO	Vennenbos 667	5527JK Hapert	145.570	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NP	Vennenbos 668	5527JK Hapert	145.563	372.610	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NQ	Vennenbos 669	5527JK Hapert	145.558	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NR	Vennenbos 670	5527JK Hapert	145.552	372.604	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NS	Vennenbos 671	5527JK Hapert	145.547	372.605	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NT	Vennenbos 672	5527JK Hapert	145.521	372.602	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NU	Vennenbos 673	5527JK Hapert	145.516	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NV	Vennenbos 674	5527JK Hapert	145.511	372.609	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NW	Vennenbos 675	5527JK Hapert	145.506	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NX	Vennenbos 676	5527JK Hapert	145.501	372.616	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NY	Vennenbos 701	5527JK Hapert	145.291	372.380	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
NZ	Vennenbos 702	5527JK Hapert	145.284	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OA	Vennenbos 703	5527JK Hapert	145.274	372.384	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OB	Vennenbos 704	5527JK Hapert	145.267	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OC	Vennenbos 705	5527JK Hapert	145.259	372.381	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OD	Vennenbos 706	5527JK Hapert	145.253	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OE	Vennenbos 707	5527JK Hapert	145.247	372.389	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OF	Vennenbos 708	5527JK Hapert	145.237	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OG	Vennenbos 709	5527JK Hapert	145.221	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OH	Vennenbos 710	5527JK Hapert	145.215	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OI	Vennenbos 711	5527JK Hapert	145.207	372.379	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OJ	Vennenbos 712	5527JK Hapert	145.199	372.375	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OK	Vennenbos 713	5527JK Hapert	145.196	372.383	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OL	Vennenbos 714	5527JK Hapert	145.189	372.393	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OM	Vennenbos 715	5527JK Hapert	145.180	372.406	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ON	Vennenbos 716	5527JK Hapert	145.173	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OO	Vennenbos 717	5527JK Hapert	145.167	372.414	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OP	Vennenbos 718	5527JK Hapert	145.160	372.413	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OQ	Vennenbos 719	5527JK Hapert	145.150	372.417	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OR	Vennenbos 720	5527JK Hapert	145.133	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OS	Vennenbos 721	5527JK Hapert	145.127	372.449	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OT	Vennenbos 722	5527JK Hapert	145.120	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OU	Vennenbos 723	5527JK Hapert	145.107	372.445	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OV	Vennenbos 724	5527JK Hapert	145.101	372.457	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OW	Vennenbos 725	5527JK Hapert	145.093	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OX	Vennenbos 726	5527JK Hapert	145.085	372.455	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation	Degrees from	Slope of	Direction mode	Eye height
		[m]	[m]	[m]	[m]	[m]	a.g.l.	south cw	[°]		[m]
									Window		a.g.l.
OY	Vennenbos 727	145.076	372.451	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
OZ	Vennenbos 728	145.074	372.460	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PA	Vennenbos 729	145.068	372.471	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PB	Vennenbos 730	145.047	372.487	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PC	Vennenbos 731	145.046	372.494	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PD	Vennenbos 732	145.040	372.502	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PE	Vennenbos 733	145.032	372.510	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PF	Vennenbos 734	145.034	372.519	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PG	Vennenbos 735	145.028	372.531	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PH	Vennenbos 736	145.020	372.529	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PI	Vennenbos 737	145.013	372.540	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PJ	Vennenbos 738	145.006	372.570	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PK	Vennenbos 739	144.995	372.564	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PL	Vennenbos 740	144.992	372.551	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PM	Vennenbos 741	144.975	372.486	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PN	Vennenbos 742	144.982	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PO	Vennenbos 743	144.984	372.468	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PP	Vennenbos 744	144.991	372.472	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PQ	Vennenbos 745	145.000	372.476	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PR	Vennenbos 746	145.004	372.454	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PS	Vennenbos 747	145.012	372.458	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PT	Vennenbos 748	145.020	372.446	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PU	Vennenbos 749	145.025	372.448	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PV	Vennenbos 750	145.033	372.437	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PW	Vennenbos 751	145.032	372.427	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PX	Vennenbos 752	145.059	372.419	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PY	Vennenbos 753	145.065	372.409	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
PZ	Vennenbos 754	145.068	372.401	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QA	Vennenbos 755	145.077	372.405	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QB	Vennenbos 756	145.089	372.391	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QC	Vennenbos 757	145.091	372.382	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QD	Vennenbos 758	145.101	372.386	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QE	Vennenbos 759	145.109	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QF	Vennenbos 760	145.116	372.390	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QG	Vennenbos 761	145.118	372.400	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QH	Vennenbos 801	145.323	372.362	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QI	Vennenbos 802	145.326	372.350	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QJ	Vennenbos 803	145.339	372.346	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QK	Vennenbos 804	145.332	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QL	Vennenbos 805	145.337	372.301	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QM	Vennenbos 806	145.342	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QN	Vennenbos 807	145.347	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QO	Vennenbos 808	145.352	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QP	Vennenbos 809	145.357	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QQ	Vennenbos 810	145.363	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QR	Vennenbos 811	145.368	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QS	Vennenbos 812	145.378	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QT	Vennenbos 813	145.384	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QU	Vennenbos 814	145.388	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QV	Vennenbos 815	145.394	372.308	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QW	Vennenbos 816	145.399	372.302	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QX	Vennenbos 817	145.405	372.296	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QY	Vennenbos 818	145.410	372.289	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
QZ	Vennenbos 819	145.415	372.283	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RA	Vennenbos 820	145.421	372.276	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RB	Vennenbos 821	145.426	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RC	Vennenbos 822	145.431	372.270	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RD	Vennenbos 823	145.436	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RE	Vennenbos 824	145.441	372.277	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RF	Vennenbos 825	145.447	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RG	Vennenbos 826	145.452	372.284	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RH	Vennenbos 827	145.457	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RI	Vennenbos 828	145.462	372.290	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RJ	Vennenbos 829	145.314	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

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No.	Name	X (east)	Y (north)	Z	Width	Height	Elevation a.g.l.	Degrees from south cw	Slope of window	Direction mode	Eye height (ZVI) a.g.l.	
		[m]	[m]	[m]	[m]	[m]	[m]	[°]	[°]		[m]	
RK	Vennenbos 830	5527JK Hapert	145.320	372.237	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RL	Vennenbos 831	5527JK Hapert	145.325	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RM	Vennenbos 832	5527JK Hapert	145.330	372.231	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RN	Vennenbos 833	5527JK Hapert	145.335	372.224	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RO	Vennenbos 834	5527JK Hapert	145.340	372.218	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RP	Vennenbos 835	5527JK Hapert	145.346	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RQ	Vennenbos 836	5527JK Hapert	145.351	372.211	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RR	Vennenbos 837	5527JK Hapert	145.357	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RS	Vennenbos 838	5527JK Hapert	145.362	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RT	Vennenbos 839	5527JK Hapert	145.367	372.203	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RU	Vennenbos 840	5527JK Hapert	145.372	372.210	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RV	Vennenbos 841	5527JK Hapert	145.378	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RW	Vennenbos 842	5527JK Hapert	145.383	372.223	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RX	Vennenbos 843	5527JK Hapert	145.388	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RY	Vennenbos 844	5527JK Hapert	145.393	372.230	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
RZ	Vennenbos 845	5527JK Hapert	145.264	372.341	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SA	Vennenbos 846	5527JK Hapert	145.259	372.330	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SB	Vennenbos 847	5527JK Hapert	145.259	372.321	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SC	Vennenbos 848	5527JK Hapert	145.251	372.323	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SD	Vennenbos 849	5527JK Hapert	145.242	372.322	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SE	Vennenbos 850	5527JK Hapert	145.232	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SF	Vennenbos 851	5527JK Hapert	145.221	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SG	Vennenbos 852	5527JK Hapert	145.215	372.310	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SH	Vennenbos 853	5527JK Hapert	145.206	372.315	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SI	Vennenbos 854	5527JK Hapert	145.197	372.312	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SJ	Vennenbos 855	5527JK Hapert	145.190	372.311	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SK	Vennenbos 856	5527JK Hapert	145.184	372.320	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SL	Vennenbos 857	5527JK Hapert	145.178	372.319	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SM	Vennenbos 858	5527JK Hapert	145.168	372.324	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SN	Vennenbos 859	5527JK Hapert	145.162	372.348	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SO	Vennenbos 860	5527JK Hapert	145.154	372.344	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SP	Vennenbos 861	5527JK Hapert	145.145	372.340	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SQ	Vennenbos 862	5527JK Hapert	145.143	372.349	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SR	Vennenbos 863	5527JK Hapert	145.135	372.358	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SS	Vennenbos 864	5527JK Hapert	145.214	372.269	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
ST	Vennenbos 865	5527JK Hapert	145.225	372.268	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SU	Vennenbos 866	5527JK Hapert	145.232	372.254	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SV	Vennenbos 867	5527JK Hapert	145.242	372.245	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SW	Vennenbos 868	5527JK Hapert	145.289	372.221	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SX	Vennenbos 869	5527JK Hapert	145.294	372.207	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SY	Vennenbos 870	5527JK Hapert	145.389	372.147	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
SZ	Vennenbos 871	5527JK Hapert	145.405	372.149	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TA	Vennenbos 872	5527JK Hapert	145.410	372.157	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TB	Vennenbos 873	5527JK Hapert	145.422	372.165	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TC	Vennenbos 874	5527JK Hapert	145.433	372.171	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TD	Vennenbos 875	5527JK Hapert	145.452	372.187	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TE	Vennenbos 876	5527JK Hapert	145.462	372.198	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TF	Vennenbos 877	5527JK Hapert	145.474	372.205	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TG	Vennenbos 878	5527JK Hapert	145.483	372.216	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TH	Vennenbos 879	5527JK Hapert	145.493	372.227	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TI	Vennenbos 880	5527JK Hapert	145.516	372.240	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TJ	Vennenbos 881	5527JK Hapert	145.517	372.255	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TK	Vennenbos 1T	Hapert	145.389	372.701	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TL	Vennenbos 208	5527JK Hapert	145.318	372.686	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TM	Vennenbos 547	5527JK Hapert	145.676	372.523	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TN	Vennenbos 548	5527JK Hapert	145.681	372.528	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TO	Vennenbos 549	5527JK Hapert	145.687	372.532	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TP			143.985	372.288	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5
TQ			144.214	372.271	0,0	8,0	5,0	0,5	0,0	90,0	"Green house mode"	5,5

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

Calculation Results

Shadow receptor

No.	Name	Shadow, expected values Shadow hours per year [h/year]
A	Schouwberg 7 5527JH Hapert	0:00
B	Vennenbos 1 5527JK Hapert	0:33
C	Vennenbos 1A 5527JK Hapert	2:24
D	Vennenbos 1B 5527JK Hapert	3:19
E	Vennenbos 1C 5527JK Hapert	2:44
F	Vennenbos 1D 5527JK Hapert	4:47
G	Vennenbos 1E 5527JK Hapert	0:05
H	Vennenbos 1G 5527JK Hapert	2:14
I	Vennenbos 2 5527JK Hapert	1:14
J	Vennenbos 3 5527JK Hapert	1:20
K	Vennenbos 4 5527JK Hapert	1:24
L	Vennenbos 5 5527JK Hapert	1:29
M	Vennenbos 6 5527JK Hapert	1:33
N	Vennenbos 7 5527JK Hapert	1:27
O	Vennenbos 8 5527JK Hapert	1:25
P	Vennenbos 9 5527JK Hapert	1:20
Q	Vennenbos 10 5527JK Hapert	1:24
R	Vennenbos 11 5527JK Hapert	1:20
S	Vennenbos 12 5527JK Hapert	1:23
T	Vennenbos 13 5527JK Hapert	1:29
U	Vennenbos 14 5527JK Hapert	1:37
V	Vennenbos 15 5527JK Hapert	1:44
W	Vennenbos 16 5527JK Hapert	1:46
X	Vennenbos 17 5527JK Hapert	1:51
Y	Vennenbos 18 5527JK Hapert	1:55
Z	Vennenbos 19 5527JK Hapert	2:00
AA	Vennenbos 20 5527JK Hapert	2:04
AB	Vennenbos 21 5527JK Hapert	2:04
AC	Vennenbos 22 5527JK Hapert	2:08
AD	Vennenbos 23 5527JK Hapert	2:10
AE	Vennenbos 24 5527JK Hapert	2:07
AF	Vennenbos 25 5527JK Hapert	2:04
AG	Vennenbos 26 5527JK Hapert	2:00
AH	Vennenbos 27 5527JK Hapert	2:01
AI	Vennenbos 101 5527JK Hapert	0:00
AJ	Vennenbos 102 5527JK Hapert	0:00
AK	Vennenbos 103 5527JK Hapert	0:00
AL	Vennenbos 104 5527JK Hapert	0:00
AM	Vennenbos 105 5527JK Hapert	0:00
AN	Vennenbos 106 5527JK Hapert	0:00
AO	Vennenbos 107 5527JK Hapert	0:00
AP	Vennenbos 108 5527JK Hapert	0:00
AQ	Vennenbos 109 5527JK Hapert	0:00
AR	Vennenbos 110 5527JK Hapert	0:00
AS	Vennenbos 111 5527JK Hapert	0:00
AT	Vennenbos 112 5527JK Hapert	0:00
AU	Vennenbos 113 5527JK Hapert	0:00
AV	Vennenbos 114 5527JK Hapert	0:00
AW	Vennenbos 115 5527JK Hapert	0:00
AX	Vennenbos 116 5527JK Hapert	0:00
AY	Vennenbos 117 5527JK Hapert	0:00
AZ	Vennenbos 118 5527JK Hapert	0:00
BA	Vennenbos 119 5527JK Hapert	0:00
BB	Vennenbos 120 5527JK Hapert	0:00
BC	Vennenbos 121 5527JK Hapert	0:00
BD	Vennenbos 122 5527JK Hapert	0:00
BE	Vennenbos 123 5527JK Hapert	0:00
BF	Vennenbos 124 5527JK Hapert	0:00
BG	Vennenbos 125 5527JK Hapert	0:00
BH	Vennenbos 126 5527JK Hapert	0:00
BI	Vennenbos 127 5527JK Hapert	0:00
BJ	Vennenbos 128 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

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No.	Name	Shadow, expected values Shadow hours per year [h/year]
BK	Vennenbos 129 5527JK Hapert	0:00
BL	Vennenbos 130 5527JK Hapert	0:00
BM	Vennenbos 131 5527JK Hapert	0:00
BN	Vennenbos 132 5527JK Hapert	0:00
BO	Vennenbos 133 5527JK Hapert	0:00
BP	Vennenbos 134 5527JK Hapert	0:00
BQ	Vennenbos 135 5527JK Hapert	0:00
BR	Vennenbos 136 5527JK Hapert	0:00
BS	Vennenbos 137 5527JK Hapert	0:00
BT	Vennenbos 138 5527JK Hapert	0:00
BU	Vennenbos 139 5527JK Hapert	0:00
BV	Vennenbos 140 5527JK Hapert	0:00
BW	Vennenbos 141 5527JK Hapert	0:00
BX	Vennenbos 142 5527JK Hapert	0:00
BY	Vennenbos 143 5527JK Hapert	0:00
BZ	Vennenbos 144 5527JK Hapert	0:00
CA	Vennenbos 145 5527JK Hapert	0:00
CB	Vennenbos 146 5527JK Hapert	0:00
CC	Vennenbos 147 5527JK Hapert	0:00
CD	Vennenbos 148 5527JK Hapert	0:00
CE	Vennenbos 149 5527JK Hapert	0:00
CF	Vennenbos 150 5527JK Hapert	0:00
CG	Vennenbos 151 5527JK Hapert	0:00
CH	Vennenbos 152 5527JK Hapert	0:00
CI	Vennenbos 153 5527JK Hapert	0:00
CJ	Vennenbos 154 5527JK Hapert	0:00
CK	Vennenbos 155 5527JK Hapert	0:00
CL	Vennenbos 156 5527JK Hapert	0:00
CM	Vennenbos 157 5527JK Hapert	0:00
CN	Vennenbos 158 5527JK Hapert	0:00
CO	Vennenbos 159 5527JK Hapert	0:00
CP	Vennenbos 160 5527JK Hapert	0:00
CQ	Vennenbos 161 5527JK Hapert	0:00
CR	Vennenbos 162 5527JK Hapert	0:00
CS	Vennenbos 163 5527JK Hapert	0:00
CT	Vennenbos 164 5527JK Hapert	0:00
CU	Vennenbos 165 5527JK Hapert	0:00
CV	Vennenbos 166 5527JK Hapert	0:00
CW	Vennenbos 201 5527JK Hapert	0:01
CX	Vennenbos 202 5527JK Hapert	0:05
CY	Vennenbos 203 5527JK Hapert	0:01
CZ	Vennenbos 204 5527JK Hapert	0:00
DA	Vennenbos 205 5527JK Hapert	0:00
DB	Vennenbos 206 5527JK Hapert	0:00
DC	Vennenbos 207 5527JK Hapert	0:00
DD	Vennenbos 209 5527JK Hapert	0:00
DE	Vennenbos 210 5527JK Hapert	0:00
DF	Vennenbos 211 5527JK Hapert	0:00
DG	Vennenbos 212 5527JK Hapert	0:00
DH	Vennenbos 213 5527JK Hapert	0:00
DI	Vennenbos 214 5527JK Hapert	0:00
DJ	Vennenbos 215 5527JK Hapert	0:00
DK	Vennenbos 216 5527JK Hapert	0:00
DL	Vennenbos 217 5527JK Hapert	0:00
DM	Vennenbos 218 5527JK Hapert	0:00
DN	Vennenbos 219 5527JK Hapert	0:00
DO	Vennenbos 220 5527JK Hapert	0:00
DP	Vennenbos 221 5527JK Hapert	0:00
DQ	Vennenbos 222 5527JK Hapert	0:00
DR	Vennenbos 223 5527JK Hapert	0:00
DS	Vennenbos 224 5527JK Hapert	0:00
DT	Vennenbos 225 5527JK Hapert	0:00
DU	Vennenbos 226 5527JK Hapert	0:00

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SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
DV	Vennenbos 227 5527JK Hapert	0:00
DW	Vennenbos 228 5527JK Hapert	0:04
DX	Vennenbos 229 5527JK Hapert	0:09
DY	Vennenbos 230 5527JK Hapert	0:15
DZ	Vennenbos 231 5527JK Hapert	0:18
EA	Vennenbos 232 5527JK Hapert	0:26
EB	Vennenbos 233 5527JK Hapert	0:29
EC	Vennenbos 234 5527JK Hapert	0:30
ED	Vennenbos 235 5527JK Hapert	0:39
EE	Vennenbos 235T Hapert	0:59
EF	Vennenbos 236 5527JK Hapert	0:23
EG	Vennenbos 237 5527JK Hapert	0:26
EH	Vennenbos 238 5527JK Hapert	0:48
EI	Vennenbos 239 5527JK Hapert	0:47
EJ	Vennenbos 240 5527JK Hapert	0:45
EK	Vennenbos 241 5527JK Hapert	0:44
EL	Vennenbos 242 5527JK Hapert	0:52
EM	Vennenbos 243 5527JK Hapert	0:54
EN	Vennenbos 244 5527JK Hapert	1:01
EO	Vennenbos 245 5527JK Hapert	1:06
EP	Vennenbos 246 5527JK Hapert	1:11
EQ	Vennenbos 247 5527JK Hapert	1:00
ER	Vennenbos 248 5527JK Hapert	1:03
ES	Vennenbos 249 5527JK Hapert	1:05
ET	Vennenbos 250 5527JK Hapert	1:15
EU	Vennenbos 251 5527JK Hapert	1:16
EV	Vennenbos 252 5527JK Hapert	1:19
EW	Vennenbos 253 5527JK Hapert	1:29
EX	Vennenbos 254 5527JK Hapert	1:34
EY	Vennenbos 255 5527JK Hapert	1:40
EZ	Vennenbos 256 5527JK Hapert	1:43
FA	Vennenbos 257 5527JK Hapert	1:45
FB	Vennenbos 258 5527JK Hapert	1:43
FC	Vennenbos 259 5527JK Hapert	1:41
FD	Vennenbos 260 5527JK Hapert	1:40
FE	Vennenbos 261 5527JK Hapert	1:34
FF	Vennenbos 262 5527JK Hapert	1:37
FG	Vennenbos 263 5527JK Hapert	1:43
FH	Vennenbos 264 5527JK Hapert	1:50
FI	Vennenbos 265 5527JK Hapert	1:56
FJ	Vennenbos 266 5527JK Hapert	2:03
FK	Vennenbos 267 5527JK Hapert	2:05
FL	Vennenbos 268 5527JK Hapert	2:07
FM	Vennenbos 269 5527JK Hapert	2:14
FN	Vennenbos 270 5527JK Hapert	2:16
FO	Vennenbos 271 5527JK Hapert	2:26
FP	Vennenbos 272 5527JK Hapert	2:27
FQ	Vennenbos 273 5527JK Hapert	2:34
FR	Vennenbos 274 5527JK Hapert	2:35
FS	Vennenbos 275 5527JK Hapert	2:33
FT	Vennenbos 276 5527JK Hapert	2:32
FU	Vennenbos 277 5527JK Hapert	0:52
FV	Vennenbos 278 5527JK Hapert	0:56
FW	Vennenbos 279 5527JK Hapert	0:54
FX	Vennenbos 280 5527JK Hapert	0:53
FY	Vennenbos 281 5527JK Hapert	0:51
FZ	Vennenbos 282 5527JK Hapert	0:45
GA	Vennenbos 283 5527JK Hapert	0:32
GB	Vennenbos 284 5527JK Hapert	0:29
GC	Vennenbos 285 5527JK Hapert	0:20
GD	Vennenbos 286 5527JK Hapert	0:15
GE	Vennenbos 287 5527JK Hapert	0:08
GF	Vennenbos 288 5527JK Hapert	0:03

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
GG	Vennenbos 289 5527JK Hapert	0:00
GH	Vennenbos 290 5527JK Hapert	0:00
GI	Vennenbos 291 5527JK Hapert	0:00
GJ	Vennenbos 292 5527JK Hapert	0:00
GK	Vennenbos 301 5527JK Hapert	1:25
GL	Vennenbos 302 5527JK Hapert	1:30
GM	Vennenbos 303 5527JK Hapert	1:27
GN	Vennenbos 304 5527JK Hapert	1:22
GO	Vennenbos 305 5527JK Hapert	1:21
GP	Vennenbos 306 5527JK Hapert	1:10
GQ	Vennenbos 307 5527JK Hapert	1:01
GR	Vennenbos 308 5527JK Hapert	0:55
GS	Vennenbos 309 5527JK Hapert	0:47
GT	Vennenbos 310 5527JK Hapert	0:34
GU	Vennenbos 311 5527JK Hapert	0:33
GV	Vennenbos 312 5527JK Hapert	0:26
GW	Vennenbos 313 5527JK Hapert	0:19
GX	Vennenbos 314 5527JK Hapert	0:01
GY	Vennenbos 315 5527JK Hapert	0:00
GZ	Vennenbos 316 5527JK Hapert	0:00
HA	Vennenbos 317 5527JK Hapert	0:00
HB	Vennenbos 318 5527JK Hapert	0:00
HC	Vennenbos 319 5527JK Hapert	0:00
HD	Vennenbos 320 5527JK Hapert	0:00
HE	Vennenbos 321 5527JK Hapert	0:00
HF	Vennenbos 322 5527JK Hapert	0:00
HG	Vennenbos 323 5527JK Hapert	0:00
HH	Vennenbos 324 5527JK Hapert	0:00
HI	Vennenbos 325 5527JK Hapert	0:00
HJ	Vennenbos 326 5527JK Hapert	0:00
HK	Vennenbos 327 5527JK Hapert	0:00
HL	Vennenbos 328 5527JK Hapert	0:00
HM	Vennenbos 329 5527JK Hapert	0:00
HN	Vennenbos 401 5527JK Hapert	2:23
HO	Vennenbos 401T Hapert	2:01
HP	Vennenbos 402 5527JK Hapert	2:34
HQ	Vennenbos 403 5527JK Hapert	2:41
HR	Vennenbos 404 5527JK Hapert	2:50
HS	Vennenbos 405 5527JK Hapert	3:05
HT	Vennenbos 406 5527JK Hapert	3:12
HU	Vennenbos 407 5527JK Hapert	3:13
HV	Vennenbos 408 5527JK Hapert	3:19
HW	Vennenbos 409 5527JK Hapert	3:20
HX	Vennenbos 410 5527JK Hapert	3:25
HY	Vennenbos 411 5527JK Hapert	3:27
HZ	Vennenbos 412 5527JK Hapert	3:27
IA	Vennenbos 413 5527JK Hapert	3:25
IB	Vennenbos 414 5527JK Hapert	3:20
IC	Vennenbos 415 5527JK Hapert	3:18
ID	Vennenbos 416 5527JK Hapert	3:18
IE	Vennenbos 417 5527JK Hapert	3:25
IF	Vennenbos 418 5527JK Hapert	3:28
IG	Vennenbos 419 5527JK Hapert	3:29
IH	Vennenbos 420 5527JK Hapert	3:31
II	Vennenbos 421 5527JK Hapert	3:33
IJ	Vennenbos 422 5527JK Hapert	3:35
IK	Vennenbos 423 5527JK Hapert	3:37
IL	Vennenbos 424 5527JK Hapert	3:40
IM	Vennenbos 425 5527JK Hapert	3:41
IN	Vennenbos 426 5527JK Hapert	3:43
IO	Vennenbos 427 5527JK Hapert	3:45
IP	Vennenbos 428 5527JK Hapert	3:46
IQ	Vennenbos 429 5527JK Hapert	3:46

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
IR	Vennenbos 430 5527JK Hapert	3:46
IS	Vennenbos 431 5527JK Hapert	3:43
IT	Vennenbos 432 5527JK Hapert	3:42
IU	Vennenbos 433 5527JK Hapert	3:41
IV	Vennenbos 434 5527JK Hapert	3:40
IW	Vennenbos 435 5527JK Hapert	3:36
IX	Vennenbos 436 5527JK Hapert	3:36
IY	Vennenbos 437 5527JK Hapert	3:31
IZ	Vennenbos 438 5527JK Hapert	3:31
JA	Vennenbos 439 5527JK Hapert	3:27
JB	Vennenbos 440 5527JK Hapert	3:24
JC	Vennenbos 501 5527JK Hapert	3:12
JD	Vennenbos 502 5527JK Hapert	3:12
JE	Vennenbos 503 5527JK Hapert	3:15
JF	Vennenbos 504 5527JK Hapert	3:15
JG	Vennenbos 505 5527JK Hapert	3:16
JH	Vennenbos 506 5527JK Hapert	3:17
JI	Vennenbos 507 5527JK Hapert	3:19
JJ	Vennenbos 508 5527JK Hapert	3:18
JK	Vennenbos 509 5527JK Hapert	3:05
JL	Vennenbos 510 5527JK Hapert	3:03
JM	Vennenbos 511 5527JK Hapert	3:03
JN	Vennenbos 512 5527JK Hapert	2:57
JO	Vennenbos 513 5527JK Hapert	2:53
JP	Vennenbos 514 5527JK Hapert	2:48
JQ	Vennenbos 515 5527JK Hapert	2:42
JR	Vennenbos 516 5527JK Hapert	2:13
JS	Vennenbos 517 5527JK Hapert	2:08
JT	Vennenbos 518 5527JK Hapert	2:02
JU	Vennenbos 519 5527JK Hapert	1:57
JV	Vennenbos 520 5527JK Hapert	2:14
JW	Vennenbos 521 5527JK Hapert	2:19
JX	Vennenbos 522 5527JK Hapert	2:24
JY	Vennenbos 523 5527JK Hapert	2:29
JZ	Vennenbos 524 5527JK Hapert	2:31
KA	Vennenbos 525 5527JK Hapert	2:29
KB	Vennenbos 526 5527JK Hapert	2:31
KC	Vennenbos 527 5527JK Hapert	2:24
KD	Vennenbos 528 5527JK Hapert	2:25
KE	Vennenbos 529 5527JK Hapert	2:28
KF	Vennenbos 530 5527JK Hapert	2:32
KG	Vennenbos 531 5527JK Hapert	2:33
KH	Vennenbos 532 5527JK Hapert	2:37
KI	Vennenbos 533 5527JK Hapert	2:38
KJ	Vennenbos 534 5527JK Hapert	2:43
KK	Vennenbos 535 5527JK Hapert	2:43
KL	Vennenbos 536 5527JK Hapert	2:46
KM	Vennenbos 537 5527JK Hapert	2:46
KN	Vennenbos 538 5527JK Hapert	2:48
KO	Vennenbos 539 5527JK Hapert	2:53
KP	Vennenbos 540 5527JK Hapert	2:52
KQ	Vennenbos 541 5527JK Hapert	2:51
KR	Vennenbos 542 5527JK Hapert	2:50
KS	Vennenbos 543 5527JK Hapert	2:48
KT	Vennenbos 544 5527JK Hapert	2:49
KU	Vennenbos 545 5527JK Hapert	2:45
KV	Vennenbos 546 5527JK Hapert	2:44
KW	Vennenbos 547T Hapert	2:45
KX	Vennenbos 901 5527JK Hapert	2:32
KY	Vennenbos 902 5527JK Hapert	2:30
KZ	Vennenbos 903 5527JK Hapert	2:30
LA	Vennenbos 601 5527JK Hapert	2:10
LB	Vennenbos 602 5527JK Hapert	2:05

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
LC	Vennenbos 603 5527JK Hapert	2:04
LD	Vennenbos 604 5527JK Hapert	2:04
LE	Vennenbos 605 5527JK Hapert	2:04
LF	Vennenbos 606 5527JK Hapert	2:03
LG	Vennenbos 607 5527JK Hapert	2:00
LH	Vennenbos 608 5527JK Hapert	1:59
LI	Vennenbos 609 5527JK Hapert	1:57
LJ	Vennenbos 610 5527JK Hapert	1:54
LK	Vennenbos 611 5527JK Hapert	1:52
LL	Vennenbos 612 5527JK Hapert	1:53
LM	Vennenbos 613 5527JK Hapert	1:50
LN	Vennenbos 614 5527JK Hapert	1:49
LO	Vennenbos 615 5527JK Hapert	1:49
LP	Vennenbos 616 5527JK Hapert	1:50
LQ	Vennenbos 617 5527JK Hapert	2:08
LR	Vennenbos 618 5527JK Hapert	2:05
LS	Vennenbos 619 5527JK Hapert	2:01
LT	Vennenbos 620 5527JK Hapert	1:58
LU	Vennenbos 621 5527JK Hapert	1:58
LV	Vennenbos 622 5527JK Hapert	1:57
LW	Vennenbos 623 5527JK Hapert	2:16
LX	Vennenbos 624 5527JK Hapert	2:15
LY	Vennenbos 625 5527JK Hapert	2:17
LZ	Vennenbos 626 5527JK Hapert	2:21
MA	Vennenbos 627 5527JK Hapert	2:22
MB	Vennenbos 628 5527JK Hapert	2:25
MC	Vennenbos 629 5527JK Hapert	2:27
MD	Vennenbos 630 5527JK Hapert	2:28
ME	Vennenbos 631 5527JK Hapert	2:28
MF	Vennenbos 632 5527JK Hapert	2:25
MG	Vennenbos 633 5527JK Hapert	2:20
MH	Vennenbos 634 5527JK Hapert	2:19
MI	Vennenbos 635 5527JK Hapert	2:20
MJ	Vennenbos 636 5527JK Hapert	2:20
MK	Vennenbos 637 5527JK Hapert	2:19
ML	Vennenbos 638 5527JK Hapert	2:16
MM	Vennenbos 639 5527JK Hapert	2:11
MN	Vennenbos 640 5527JK Hapert	2:14
MO	Vennenbos 641 5527JK Hapert	2:17
MP	Vennenbos 642 5527JK Hapert	2:19
MQ	Vennenbos 643 5527JK Hapert	2:21
MR	Vennenbos 644 5527JK Hapert	2:33
MS	Vennenbos 645 5527JK Hapert	2:34
MT	Vennenbos 646 5527JK Hapert	2:31
MU	Vennenbos 647 5527JK Hapert	2:31
MV	Vennenbos 648 5527JK Hapert	2:29
MW	Vennenbos 649 5527JK Hapert	2:27
MX	Vennenbos 650 5527JK Hapert	2:25
MY	Vennenbos 651 5527JK Hapert	2:25
MZ	Vennenbos 652 5527JK Hapert	2:25
NA	Vennenbos 653 5527JK Hapert	2:25
NB	Vennenbos 654 5527JK Hapert	2:27
NC	Vennenbos 655 5527JK Hapert	2:30
ND	Vennenbos 656 5527JK Hapert	2:28
NE	Vennenbos 657 5527JK Hapert	2:26
NF	Vennenbos 658 5527JK Hapert	2:19
NG	Vennenbos 659 5527JK Hapert	2:14
NH	Vennenbos 660 5527JK Hapert	2:10
NI	Vennenbos 661 5527JK Hapert	2:05
NJ	Vennenbos 662 5527JK Hapert	2:03
NK	Vennenbos 663 5527JK Hapert	2:01
NL	Vennenbos 664 5527JK Hapert	1:54
NM	Vennenbos 665 5527JK Hapert	1:53

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
NN	Vennenbos 666 5527JK Hapert	1:54
NO	Vennenbos 667 5527JK Hapert	1:52
NP	Vennenbos 668 5527JK Hapert	1:54
NQ	Vennenbos 669 5527JK Hapert	1:53
NR	Vennenbos 670 5527JK Hapert	1:53
NS	Vennenbos 671 5527JK Hapert	1:51
NT	Vennenbos 672 5527JK Hapert	1:44
NU	Vennenbos 673 5527JK Hapert	1:38
NV	Vennenbos 674 5527JK Hapert	1:37
NW	Vennenbos 675 5527JK Hapert	1:30
NX	Vennenbos 676 5527JK Hapert	1:28
NY	Vennenbos 701 5527JK Hapert	3:28
NZ	Vennenbos 702 5527JK Hapert	3:25
OA	Vennenbos 703 5527JK Hapert	3:19
OB	Vennenbos 704 5527JK Hapert	3:17
OC	Vennenbos 705 5527JK Hapert	3:16
OD	Vennenbos 706 5527JK Hapert	3:05
OE	Vennenbos 707 5527JK Hapert	3:04
OF	Vennenbos 708 5527JK Hapert	2:54
OG	Vennenbos 709 5527JK Hapert	2:57
OH	Vennenbos 710 5527JK Hapert	2:54
OI	Vennenbos 711 5527JK Hapert	2:55
OJ	Vennenbos 712 5527JK Hapert	2:54
OK	Vennenbos 713 5527JK Hapert	2:43
OL	Vennenbos 714 5527JK Hapert	2:28
OM	Vennenbos 715 5527JK Hapert	2:07
ON	Vennenbos 716 5527JK Hapert	2:04
OO	Vennenbos 717 5527JK Hapert	1:46
OP	Vennenbos 718 5527JK Hapert	1:43
OQ	Vennenbos 719 5527JK Hapert	1:28
OR	Vennenbos 720 5527JK Hapert	0:55
OS	Vennenbos 721 5527JK Hapert	0:41
OT	Vennenbos 722 5527JK Hapert	0:38
OU	Vennenbos 723 5527JK Hapert	0:33
OV	Vennenbos 724 5527JK Hapert	0:21
OW	Vennenbos 725 5527JK Hapert	0:18
OX	Vennenbos 726 5527JK Hapert	0:14
OY	Vennenbos 727 5527JK Hapert	0:12
OZ	Vennenbos 728 5527JK Hapert	0:05
PA	Vennenbos 729 5527JK Hapert	0:00
PB	Vennenbos 730 5527JK Hapert	0:00
PC	Vennenbos 731 5527JK Hapert	0:00
PD	Vennenbos 732 5527JK Hapert	0:00
PE	Vennenbos 733 5527JK Hapert	0:00
PF	Vennenbos 734 5527JK Hapert	0:00
PG	Vennenbos 735 5527JK Hapert	0:00
PH	Vennenbos 736 5527JK Hapert	0:00
PI	Vennenbos 737 5527JK Hapert	0:00
PJ	Vennenbos 738 5527JK Hapert	0:00
PK	Vennenbos 739 5527JK Hapert	0:00
PL	Vennenbos 740 5527JK Hapert	0:00
PM	Vennenbos 741 5527JK Hapert	0:00
PN	Vennenbos 742 5527JK Hapert	0:00
PO	Vennenbos 743 5527JK Hapert	0:00
PP	Vennenbos 744 5527JK Hapert	0:00
PQ	Vennenbos 745 5527JK Hapert	0:00
PR	Vennenbos 746 5527JK Hapert	0:00
PS	Vennenbos 747 5527JK Hapert	0:00
PT	Vennenbos 748 5527JK Hapert	0:00
PU	Vennenbos 749 5527JK Hapert	0:00
PV	Vennenbos 750 5527JK Hapert	0:02
PW	Vennenbos 751 5527JK Hapert	0:09
PX	Vennenbos 752 5527JK Hapert	0:30

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
PY	Vennenbos 753 5527JK Hapert	0:42
PZ	Vennenbos 754 5527JK Hapert	0:51
QA	Vennenbos 755 5527JK Hapert	0:52
QB	Vennenbos 756 5527JK Hapert	1:11
QC	Vennenbos 757 5527JK Hapert	1:20
QD	Vennenbos 758 5527JK Hapert	1:26
QE	Vennenbos 759 5527JK Hapert	1:28
QF	Vennenbos 760 5527JK Hapert	1:34
QG	Vennenbos 761 5527JK Hapert	1:23
QH	Vennenbos 801 5527JK Hapert	3:50
QI	Vennenbos 802 5527JK Hapert	4:00
QJ	Vennenbos 803 5527JK Hapert	4:05
QK	Vennenbos 804 5527JK Hapert	4:34
QL	Vennenbos 805 5527JK Hapert	4:33
QM	Vennenbos 806 5527JK Hapert	4:30
QN	Vennenbos 807 5527JK Hapert	4:29
QO	Vennenbos 808 5527JK Hapert	4:26
QP	Vennenbos 809 5527JK Hapert	4:25
QQ	Vennenbos 810 5527JK Hapert	4:22
QR	Vennenbos 811 5527JK Hapert	4:22
QS	Vennenbos 812 5527JK Hapert	4:23
QT	Vennenbos 813 5527JK Hapert	4:23
QU	Vennenbos 814 5527JK Hapert	4:22
QV	Vennenbos 815 5527JK Hapert	4:23
QW	Vennenbos 816 5527JK Hapert	4:22
QX	Vennenbos 817 5527JK Hapert	4:23
QY	Vennenbos 818 5527JK Hapert	4:22
QZ	Vennenbos 819 5527JK Hapert	4:20
RA	Vennenbos 820 5527JK Hapert	4:19
RB	Vennenbos 821 5527JK Hapert	4:16
RC	Vennenbos 822 5527JK Hapert	4:14
RD	Vennenbos 823 5527JK Hapert	4:12
RE	Vennenbos 824 5527JK Hapert	4:08
RF	Vennenbos 825 5527JK Hapert	4:06
RG	Vennenbos 826 5527JK Hapert	4:04
RH	Vennenbos 827 5527JK Hapert	3:58
RI	Vennenbos 828 5527JK Hapert	3:55
RJ	Vennenbos 829 5527JK Hapert	5:07
RK	Vennenbos 830 5527JK Hapert	5:06
RL	Vennenbos 831 5527JK Hapert	5:06
RM	Vennenbos 832 5527JK Hapert	5:04
RN	Vennenbos 833 5527JK Hapert	5:03
RO	Vennenbos 834 5527JK Hapert	5:03
RP	Vennenbos 835 5527JK Hapert	5:01
RQ	Vennenbos 836 5527JK Hapert	4:59
RR	Vennenbos 837 5527JK Hapert	4:55
RS	Vennenbos 838 5527JK Hapert	4:53
RT	Vennenbos 839 5527JK Hapert	4:49
RU	Vennenbos 840 5527JK Hapert	4:46
RV	Vennenbos 841 5527JK Hapert	4:42
RW	Vennenbos 842 5527JK Hapert	4:40
RX	Vennenbos 843 5527JK Hapert	4:38
RY	Vennenbos 844 5527JK Hapert	4:34
RZ	Vennenbos 845 5527JK Hapert	3:54
SA	Vennenbos 846 5527JK Hapert	4:02
SB	Vennenbos 847 5527JK Hapert	4:11
SC	Vennenbos 848 5527JK Hapert	4:06
SD	Vennenbos 849 5527JK Hapert	4:05
SE	Vennenbos 850 5527JK Hapert	4:05
SF	Vennenbos 851 5527JK Hapert	4:08
SG	Vennenbos 852 5527JK Hapert	4:08
SH	Vennenbos 853 5527JK Hapert	4:01
SI	Vennenbos 854 5527JK Hapert	4:00

To be continued on next page...

SHADOW - Main Result

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels

...continued from previous page

No.	Name	Shadow, expected values Shadow hours per year [h/year]
	SJ Vennenbos 855 5527JK Hapert	3:58
	SK Vennenbos 856 5527JK Hapert	3:46
	SL Vennenbos 857 5527JK Hapert	3:44
	SM Vennenbos 858 5527JK Hapert	3:34
	SN Vennenbos 859 5527JK Hapert	3:04
	SO Vennenbos 860 5527JK Hapert	3:04
	SP Vennenbos 861 5527JK Hapert	3:05
	SQ Vennenbos 862 5527JK Hapert	2:53
	SR Vennenbos 863 5527JK Hapert	2:35
	SS Vennenbos 864 5527JK Hapert	4:46
	ST Vennenbos 865 5527JK Hapert	4:49
	SU Vennenbos 866 5527JK Hapert	0:00
	SV Vennenbos 867 5527JK Hapert	0:00
	SW Vennenbos 868 5527JK Hapert	4:54
	SX Vennenbos 869 5527JK Hapert	5:01
	SY Vennenbos 870 5527JK Hapert	4:23
	SZ Vennenbos 871 5527JK Hapert	4:15
	TA Vennenbos 872 5527JK Hapert	4:12
	TB Vennenbos 873 5527JK Hapert	4:07
	TC Vennenbos 874 5527JK Hapert	4:01
	TD Vennenbos 875 5527JK Hapert	3:53
	TE Vennenbos 876 5527JK Hapert	3:47
	TF Vennenbos 877 5527JK Hapert	3:42
	TG Vennenbos 878 5527JK Hapert	3:38
	TH Vennenbos 879 5527JK Hapert	3:33
	TI Vennenbos 880 5527JK Hapert	3:17
	TJ Vennenbos 881 5527JK Hapert	3:17
	TK Vennenbos 1T Hapert	0:00
	TL Vennenbos 208 5527JK Hapert	0:00
	TM Vennenbos 547 5527JK Hapert	2:42
	TN Vennenbos 548 5527JK Hapert	2:40
	TO Vennenbos 549 5527JK Hapert	2:38
	TP	1:15
	TQ	0:00

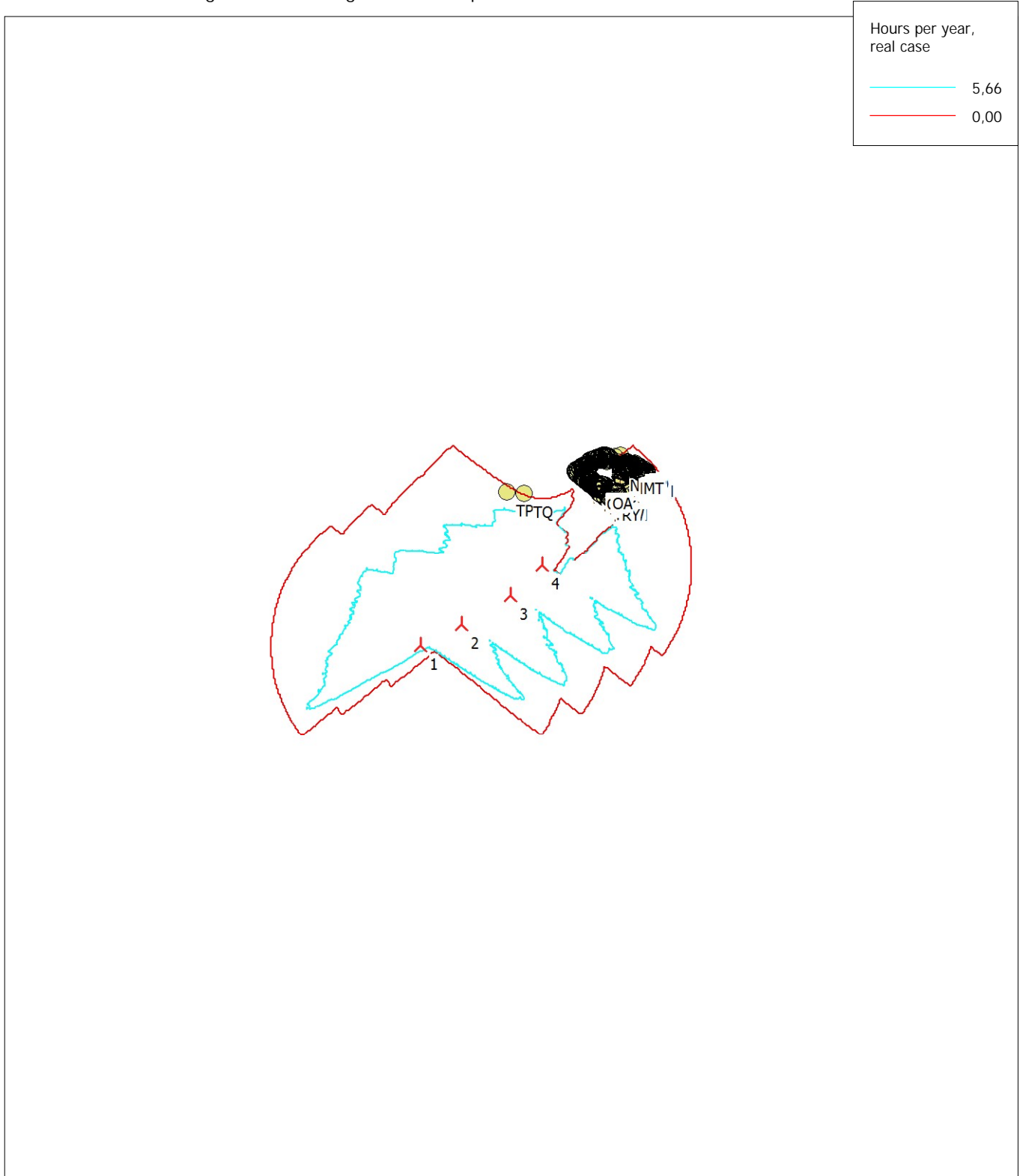
Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (490)	0:00	0:00
2	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (491)	0:00	0:00
3	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (492)	45:59	5:16
4	refturbine Ref. Turbine 4800 165.0 !O! hub: 157,5 m (TOT: 240,0 m) (493)	122:09	14:17

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

SHADOW - Map

Calculation: 181106 Slagschaduw Bovengrens recreatiepark met obstakels



New WTG

Shadow receptor

Map: Blank map , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2008 East: 143.780 North: 370.700

Flicker map level: 0 m above sea level



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