

## **Lydney Rugby Club - Rec Ground**

100lux average with a 0.5 uniformity.

Site Location :-

Lydney Recreation Ground  
Swan Road  
Lydney  
Gloucestershire  
GL15 5RU

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 22.05.2023

Operator: Michael Butterill

## Lydney Rugby Club - Rec Ground

Lydney Rugby Club - Rec Ground 100lux

Direct Sports Lighting

Unit 3 Ure Bank Maltigns, Ripon, HG4 1AE.

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Telephone 0845 643 0722  
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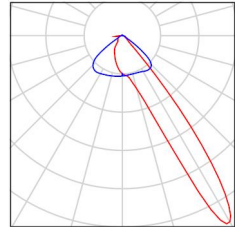
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## Lydney Rugby Club - Rec Ground / Luminaire parts list

8 Pieces NOVA FL10-1200W-NB-SX351C-70RA  
Article No.:  
Luminous flux (Luminaire): 155946 lm  
Luminous flux (Lamps): 155946 lm  
Luminaire Wattage: 1197.8 W  
Luminaire classification according to CIE: 99  
CIE flux code: 72 94 99 99 100  
Fitting: 1 x User defined (Correction Factor  
1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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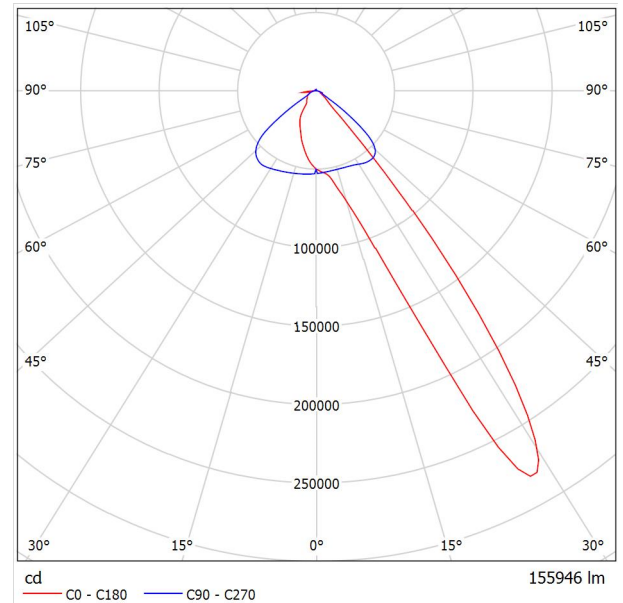
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## NOVA FL10-1200W-NB-SX351C-70RA / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 99  
CIE flux code: 72 94 99 99 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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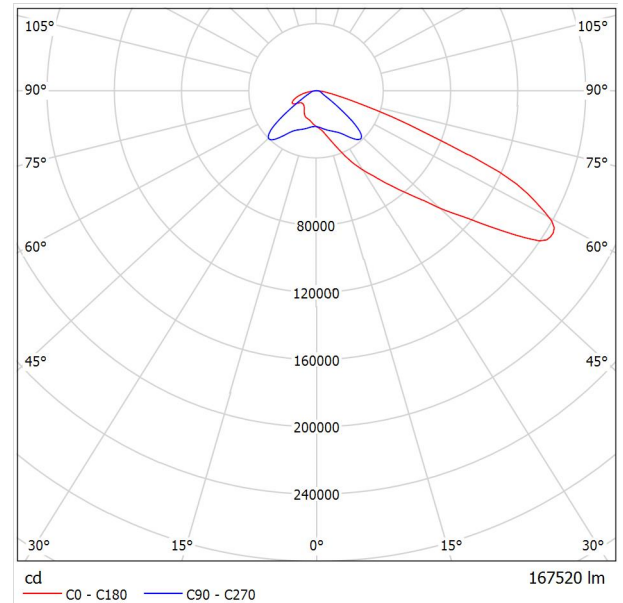
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## NOVA PRO FL10-1200W with 2 modules-NB-SX351C-70RA / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 28 71 96 100 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

# Lydney Rugby Club - Rec Ground

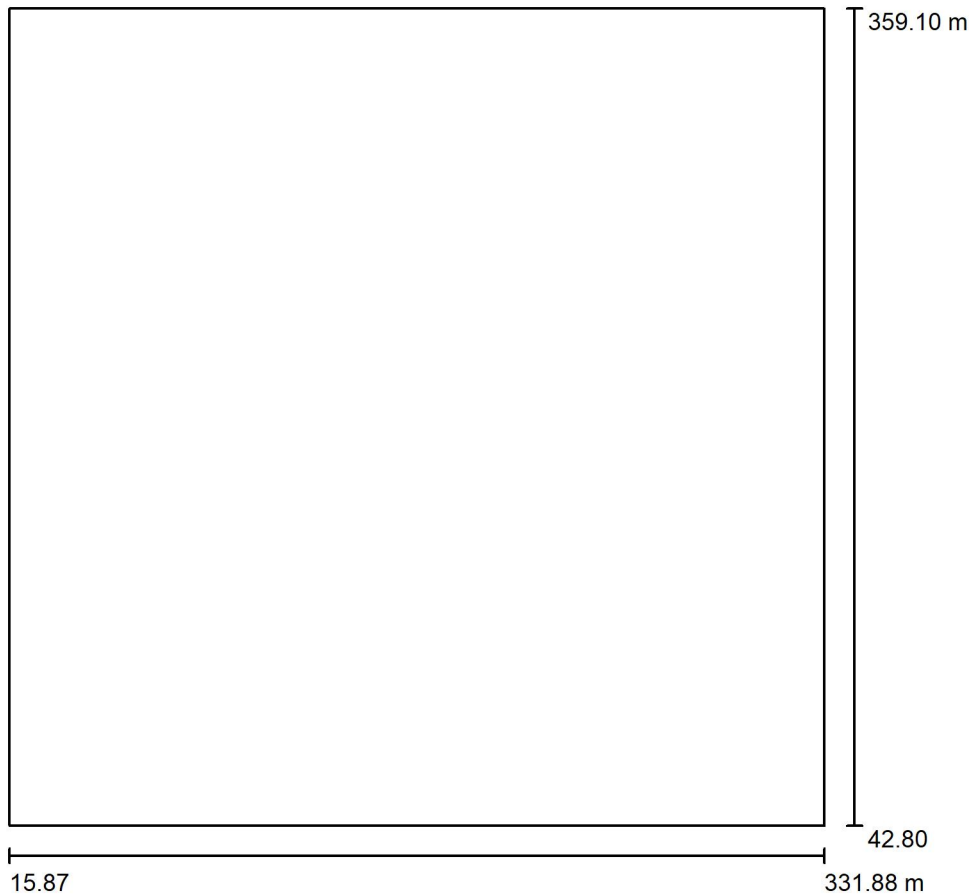
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## Exterior Scene 1 / Planning data



Maintenance factor: 0.90, ULR (Upward Light Ratio): 3.0%

Scale 1:2932

### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	8	NOVA FL10-1200W-NB-SX351C-70RA (1.000)	155946	155946	1197.8
Total:			1247569	Total: 1247569	9582.4

## Lydney Rugby Club - Rec Ground

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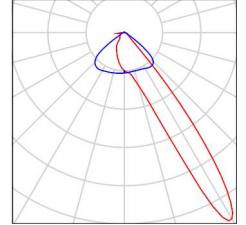
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## Exterior Scene 1 / Luminaire parts list

8 Pieces NOVA FL10-1200W-NB-SX351C-70RA  
Article No.:  
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Luminous flux (Lamps): 155946 lm  
Luminaire Wattage: 1197.8 W  
Luminaire classification according to CIE: 99  
CIE flux code: 72 94 99 99 100  
Fitting: 1 x User defined (Correction Factor  
1.000).

See our luminaire  
catalog for an image of  
the luminaire.



# Lydney Rugby Club - Rec Ground

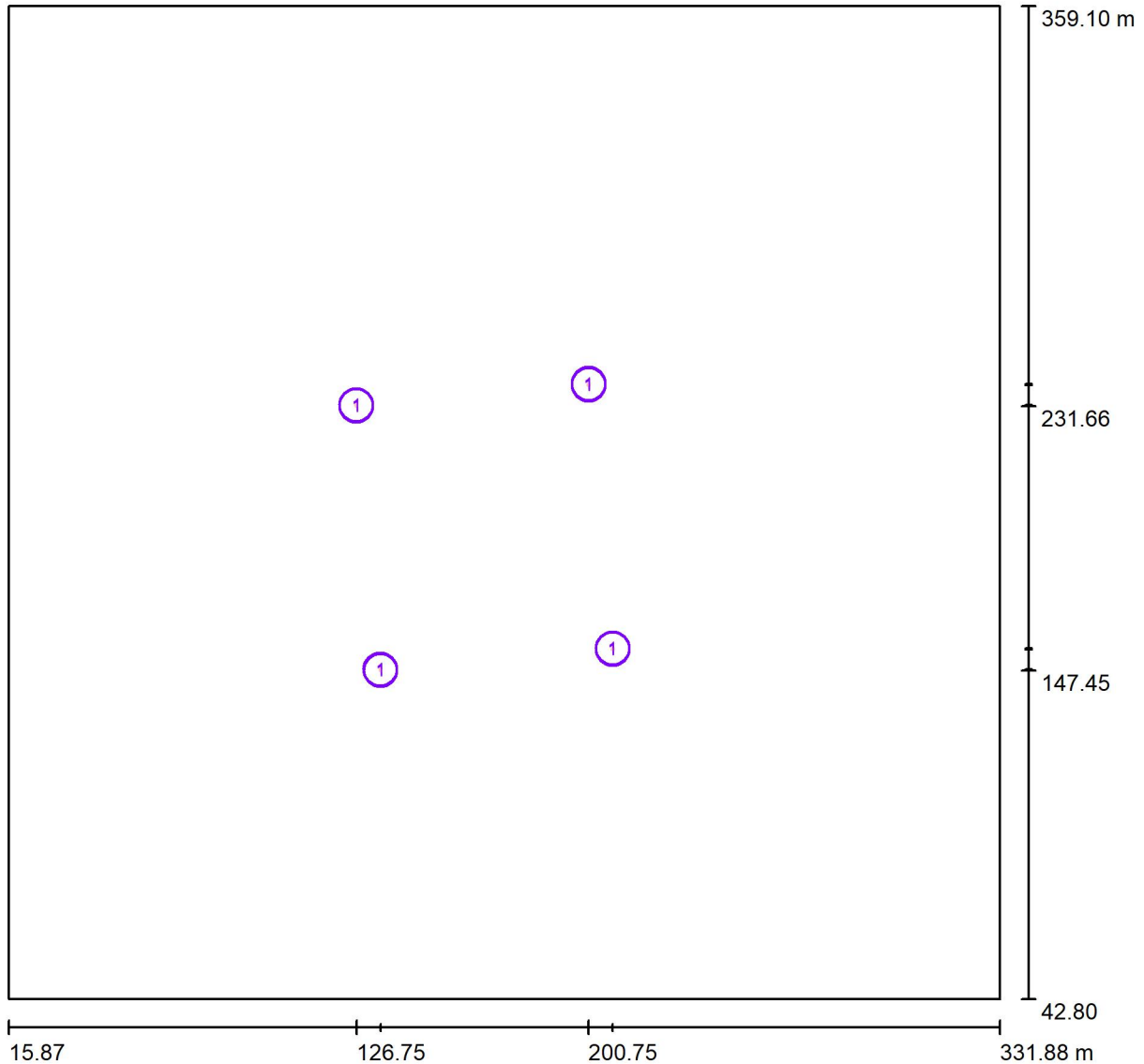
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## Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 2260

### Luminaire Parts List

No.	Pieces	Designation
1	8	NOVA FL10-1200W-NB-SX351C-70RA



## Lydney Rugby Club - Rec Ground

Lydney Rugby Club - Rec Ground 100lux

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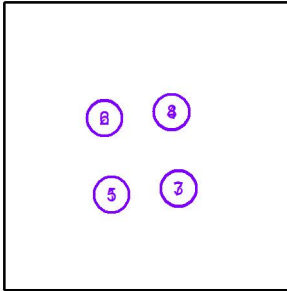
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## Exterior Scene 1 / Luminaires (coordinates list)

### NOVA FL10-1200W-NB-SX351C-70RA

155946 lm, 1197.8 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	134.400	147.800	15.000	0.0	-41.8	71.2
2	126.768	231.663	15.000	0.0	-41.8	-60.8
3	208.432	154.537	15.000	0.0	-41.8	119.2
4	200.800	238.400	15.000	0.0	-41.8	-108.8
5	134.449	147.447	15.000	0.0	-38.0	12.6
6	126.752	232.018	15.000	0.0	-38.0	-2.2
7	208.448	154.182	15.000	0.0	-38.0	177.8
8	200.751	238.753	15.000	0.0	-38.0	-167.4

# Lydney Rugby Club - Rec Ground

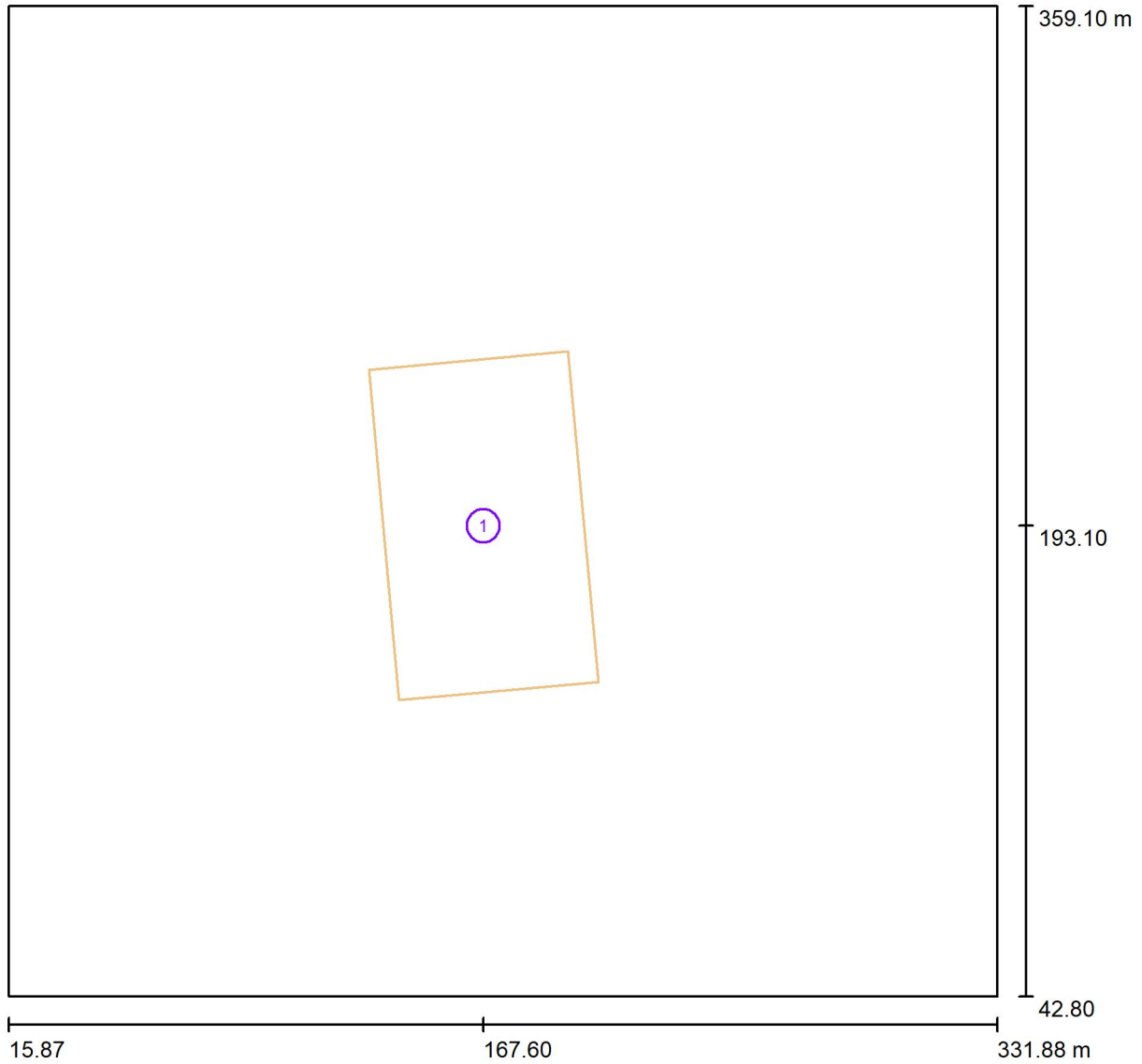
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## Exterior Scene 1 / Sport Sites (layout plan)

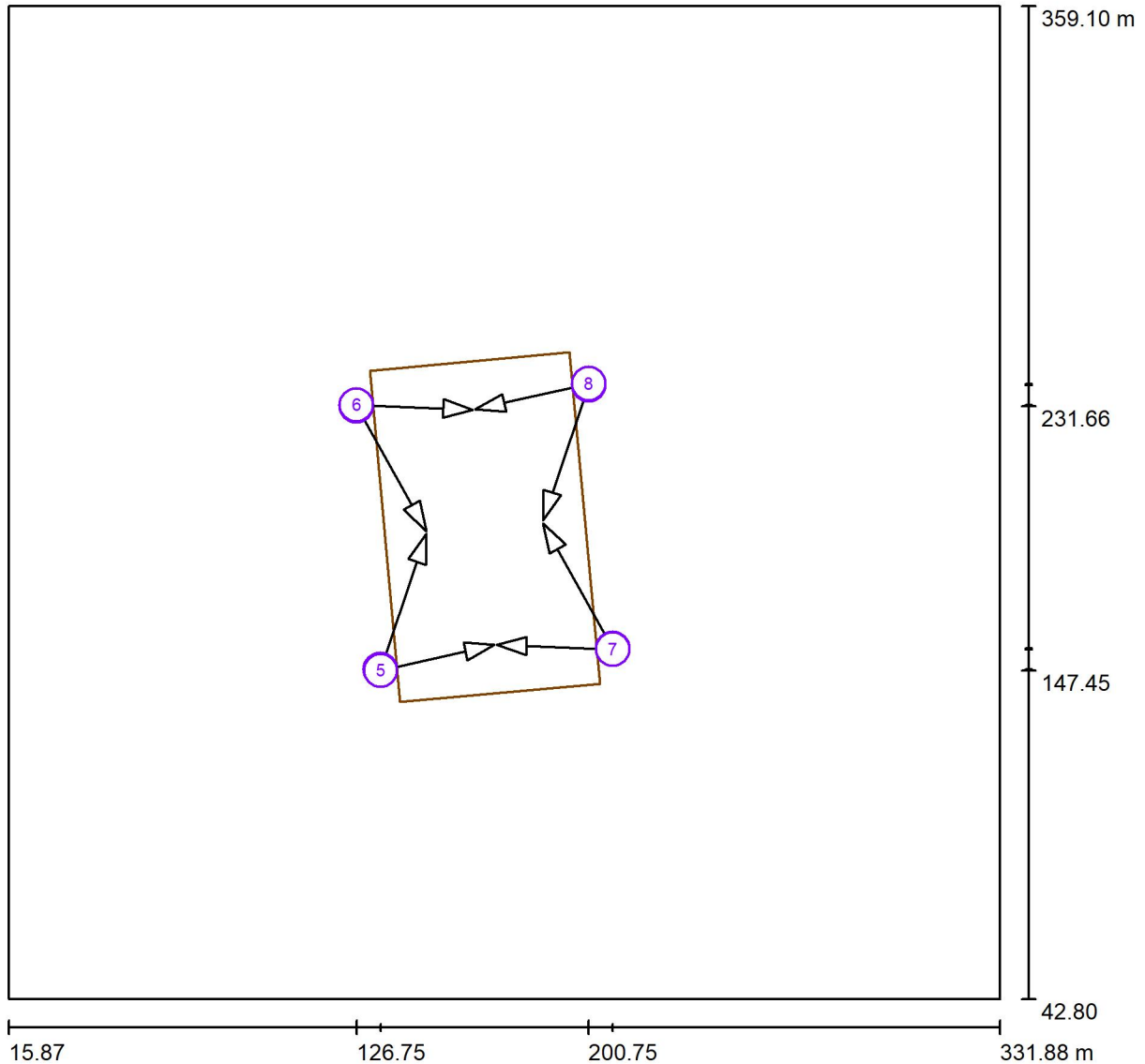


Scale 1 : 2260

### Sport Site Parts List

No.	Pieces	Designation
1	1	General Sport Area

**Exterior Scene 1 / Sport Luminaires (Coordinates List)**



Scale 1 : 2260

**List of the Sport Luminaires**

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
NOVA FL10-1200W-NB-SX351C-70RA	1	134.400	147.800	15.000	149.080	191.000	0.000	18.2	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	2	126.768	231.663	15.000	149.005	191.822	0.000	18.2	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	3	208.432	154.537	15.000	186.195	194.378	0.000	18.2	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	4	200.800	238.400	15.000	186.120	195.200	0.000	18.2	(C 0, G IMax)	/

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## Exterior Scene 1 / Sport Luminaires (Coordinates List)

### List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
NOVA FL10-1200W-NB-SX351C-70RA	5	134.449	147.447	15.000	170.679	155.579	0.000	22.0	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	6	126.752	232.018	15.000	163.855	230.561	0.000	22.0	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	7	208.448	154.182	15.000	171.345	155.639	0.000	22.0	(C 0, G IMax)	/
NOVA FL10-1200W-NB-SX351C-70RA	8	200.751	238.753	15.000	164.521	230.621	0.000	22.0	(C 0, G IMax)	/

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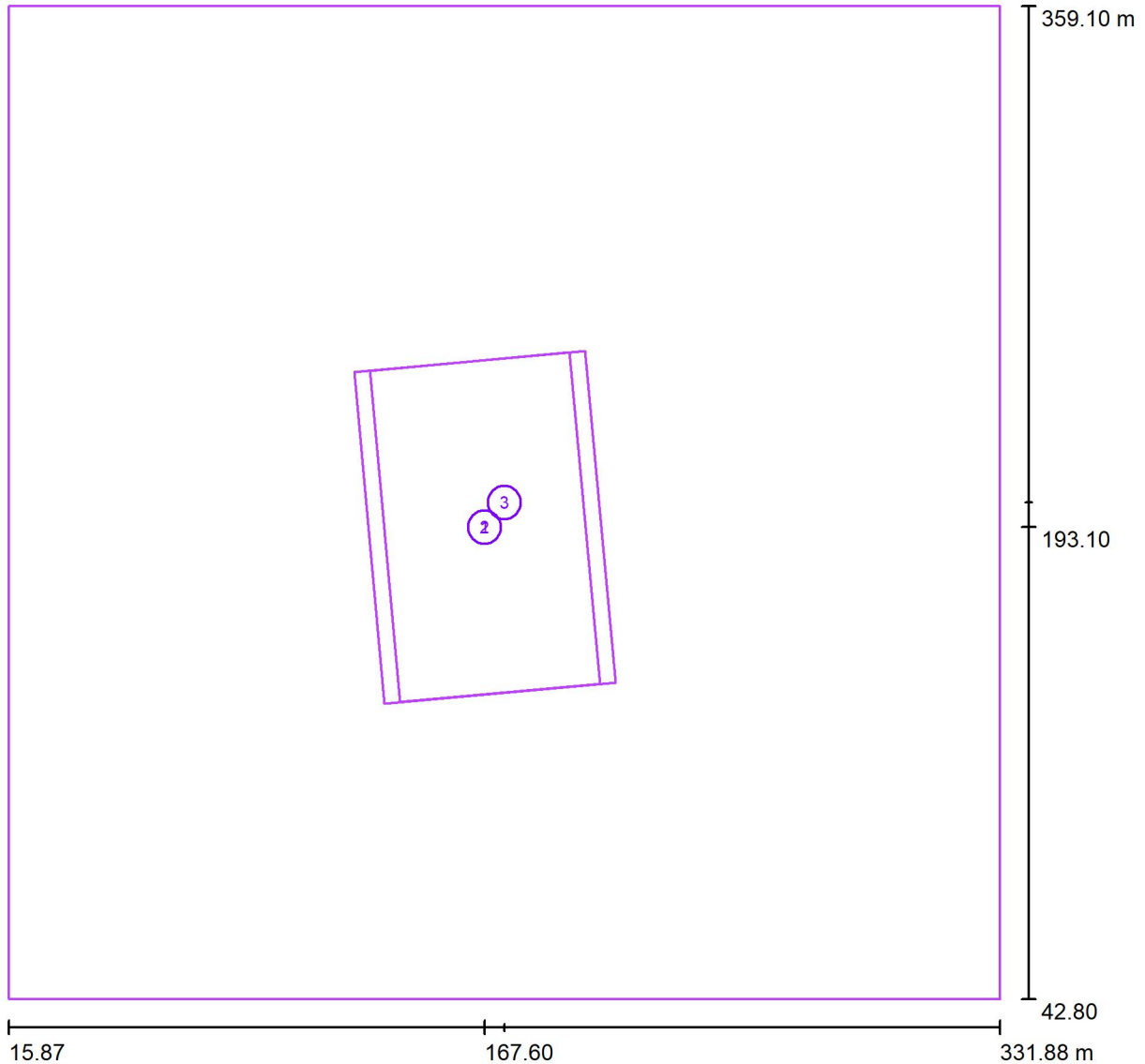
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## Exterior Scene 1 / Calculation Grid (Coordinates List)



Scale 1 : 2260

### List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
1	General Sport Area 1 Calculation Grid (PA)	167.600	193.100	0.000	106.000	64.000	0.0	0.0	-84.8
2	General Sport Area 1 Calculation Grid (TA)	167.600	193.100	0.000	106.000	74.000	0.0	0.0	-84.8
3	Calculation Grid 1	173.876	200.950	0.000	316.005	316.300	0.0	0.0	0.0

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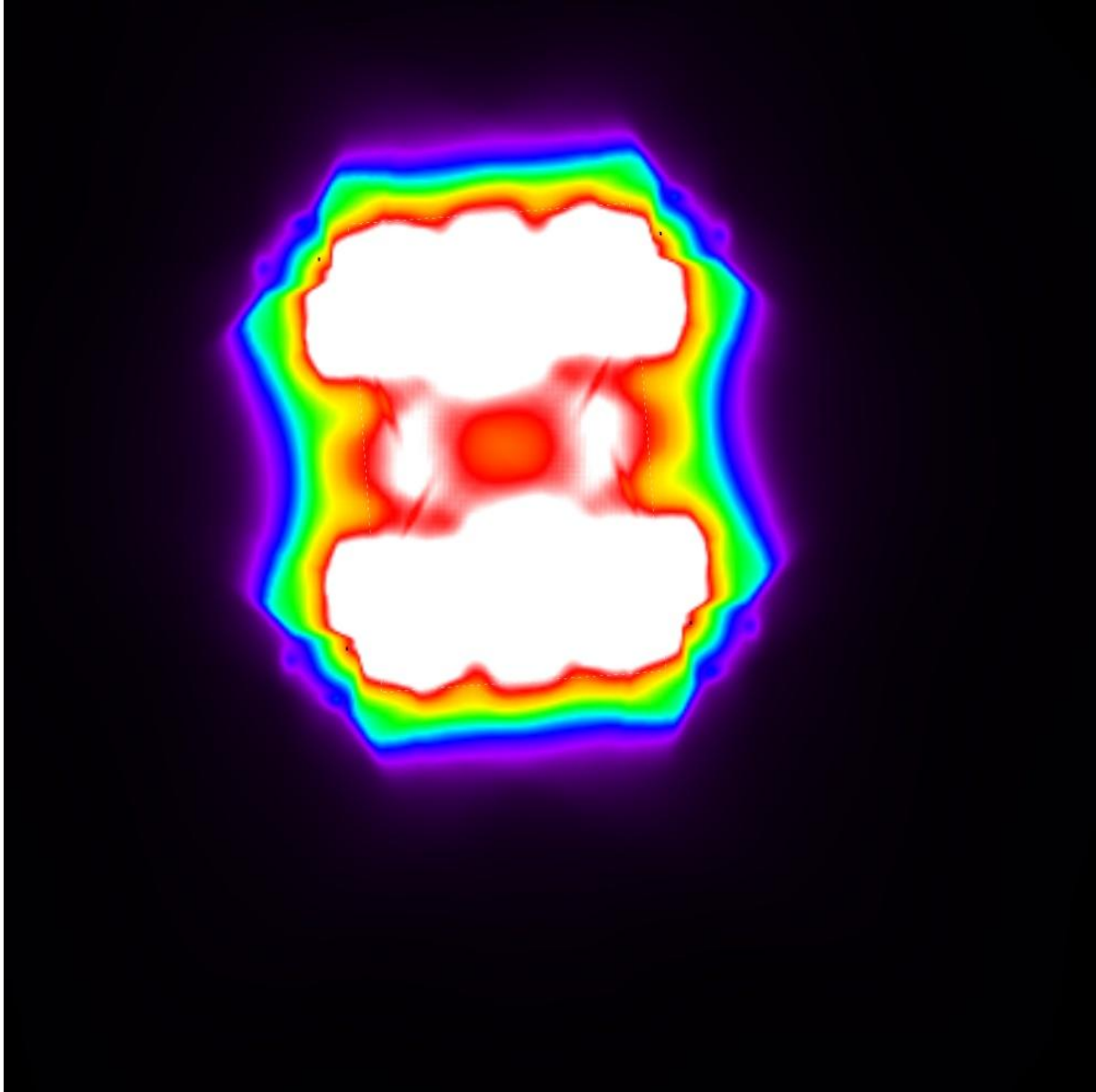
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## Exterior Scene 1 / False Colour Rendering



0 10 20 30 40 50 60 70 80 lx

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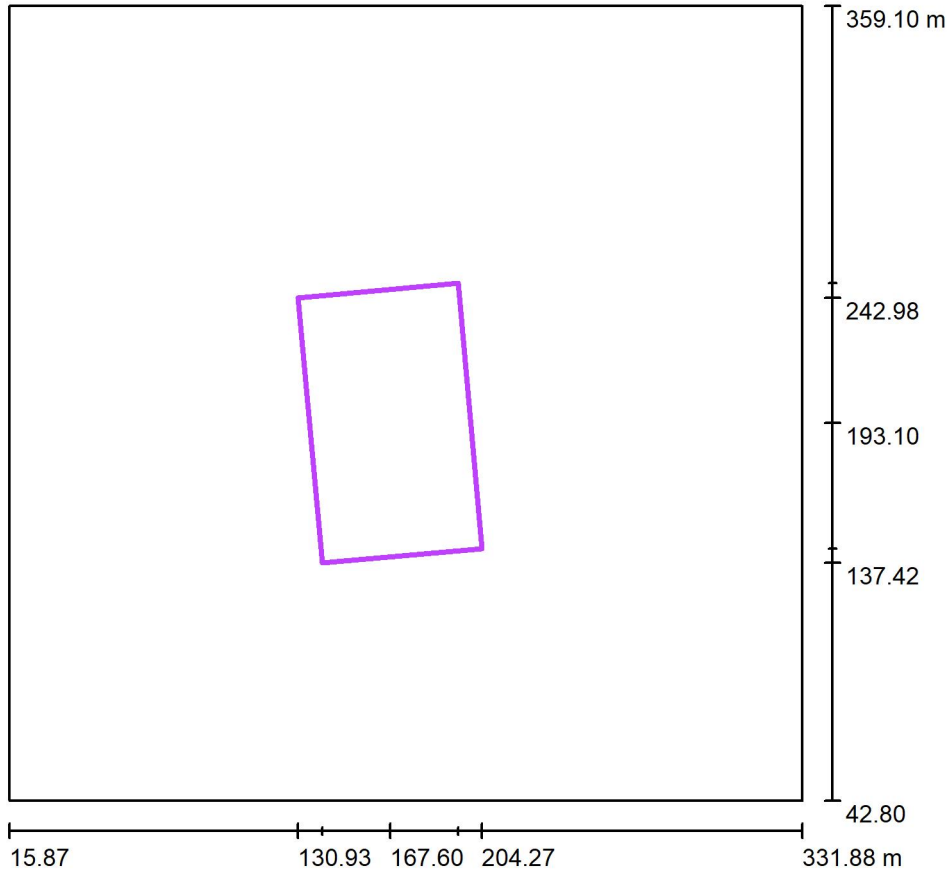
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## Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Summary



Scale 1 : 3016

Position: (167.600 m, 193.100 m, 0.000 m)  
 Size: (106.000 m, 64.000 m)  
 Rotation: (0.0°, 0.0°, -84.8°)  
 Type: Normal, Grid: 21 x 13 Points  
 Belongs to the following sport arena: General Sport Area 1

### Results overview

No.	Type	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	100	62	184	0.62	0.34	/	0.000	/

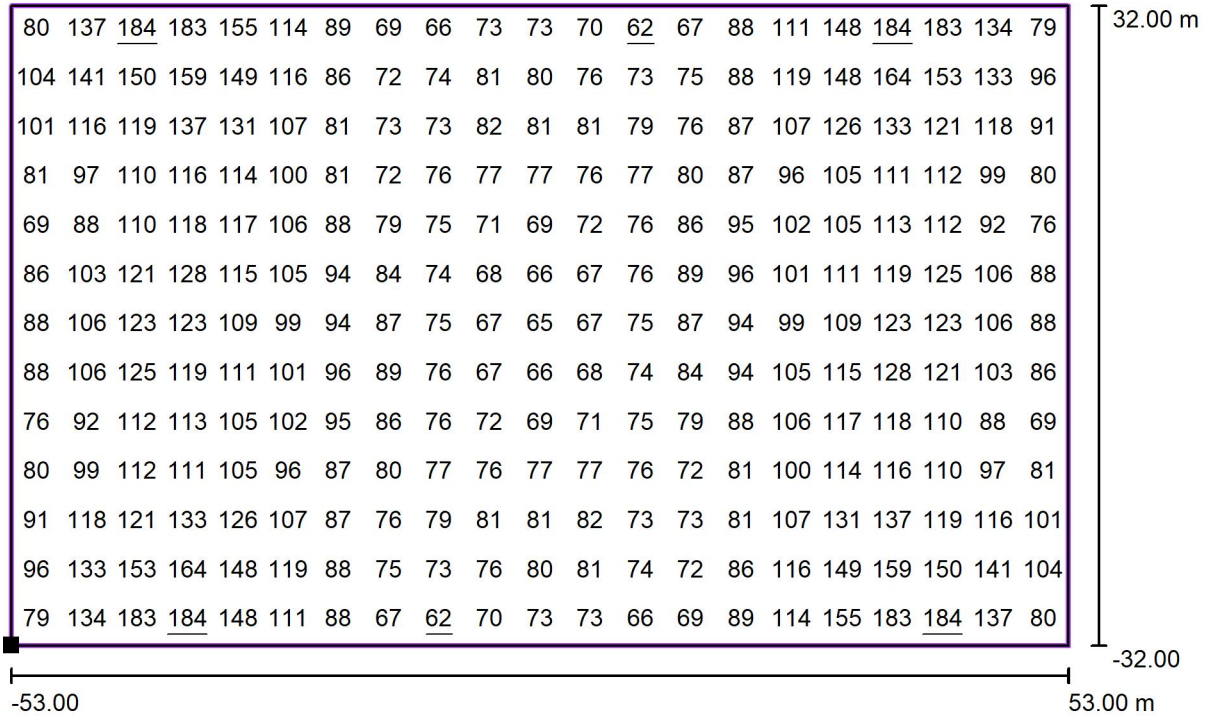
$E_{h\ m} / E_m$  = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

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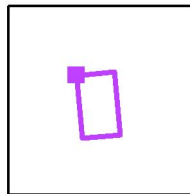
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## Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 758

Position of surface in external scene:  
Marked point: (130.928 m,  
242.982 m, 0.000 m)



Grid: 21 x 13 Points

$E_{av}$  [lx]  
100

$E_{min}$  [lx]  
62

$E_{max}$  [lx]  
184

$u_0$   
0.62

$E_{min} / E_{max}$   
0.34



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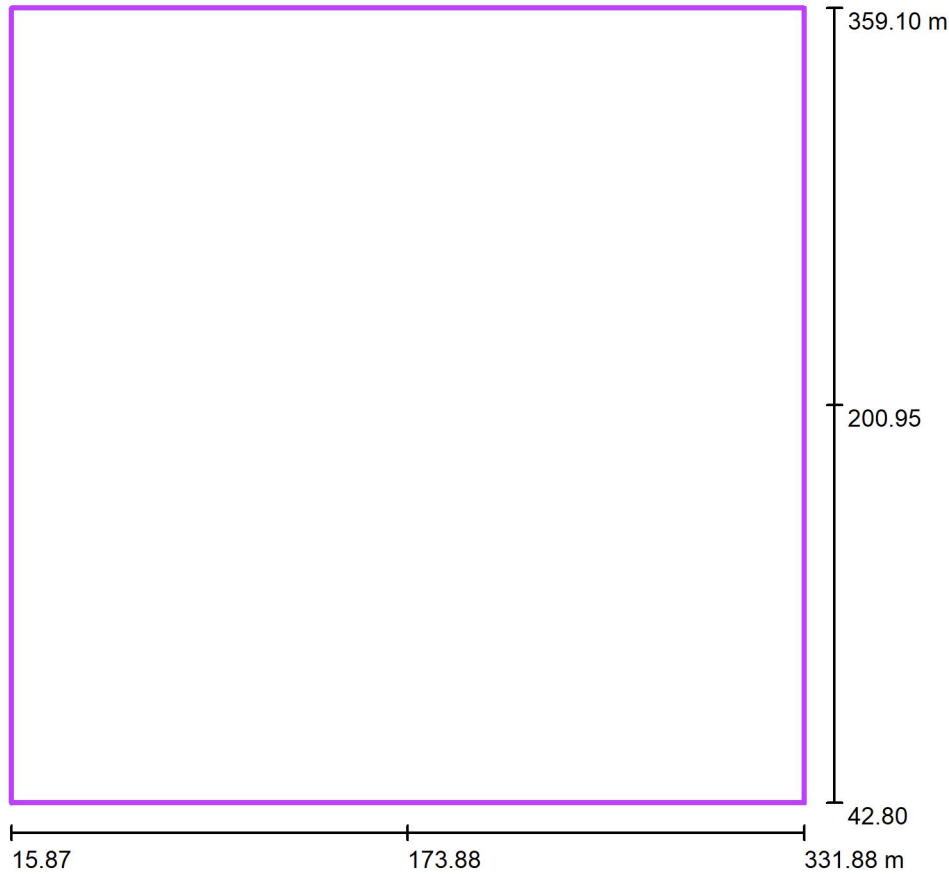
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## Exterior Scene 1 / Calculation Grid 1 / Summary



Scale 1 : 3016

Position: (173.876 m, 200.950 m, 0.000 m)

Size: (316.005 m, 316.300 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 29 x 29 Points

### Results overview

No.	Type	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$	$E_{hm} / E_m$	H [m]	Camera
1	perpendicular	11	0.03	186	0.00	0.00	/	0.000	/

$E_{hm} / E_m$  = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

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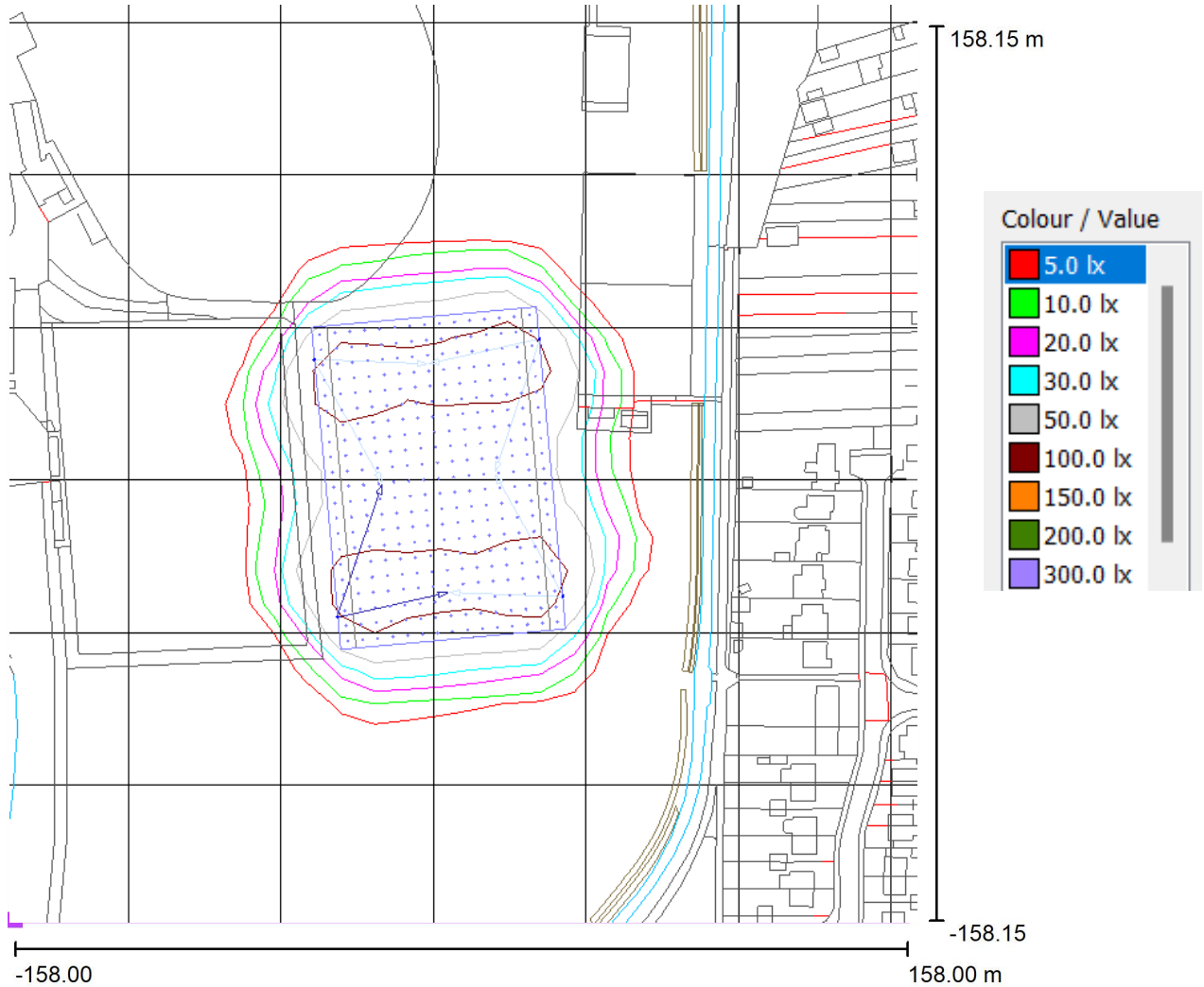
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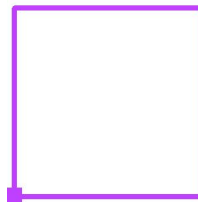
## Exterior Scene 1 / Calculation Grid 1 / Isolines (E, Perpendicular)



Values in Lux, Scale 1 : 2533

Position of surface in external scene:

Marked point: (15.874 m, 42.800 m,  
 0.000 m)



Grid: 29 x 29 Points

$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$
11	0.03	186	0.00	0.00