

Sevenoaks RFC

100lux average

0.5 uniformity

Site Location: - Ref Knole Paddock and Raleys Fields, Plymouth Drive, Sevenoaks, Kent, TN13 3RP, Principal user Sevenoaks Rugby Club.

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 06.07.2021

Operator: Michael Butterill

Direct Sports Lighting

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

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Sevenoaks RFC

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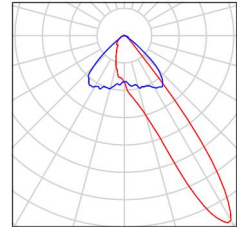
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Sevenoaks RFC / Luminaire parts list

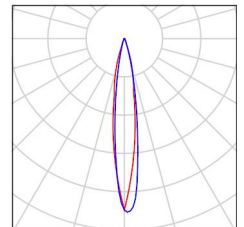
5 Pieces LED
Article No.:
Luminous flux (Luminaire): 198633 lm
Luminous flux (Lamps): 198615 lm
Luminaire Wattage: 1495.6 W
Luminaire classification according to CIE: 100
CIE flux code: 75 95 99 100 100
Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



3 Pieces LED
Article No.:
Luminous flux (Luminaire): 225532 lm
Luminous flux (Lamps): 227600 lm
Luminaire Wattage: 1527.0 W
Luminaire classification according to CIE: 100
CIE flux code: 94 98 100 100 99
Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



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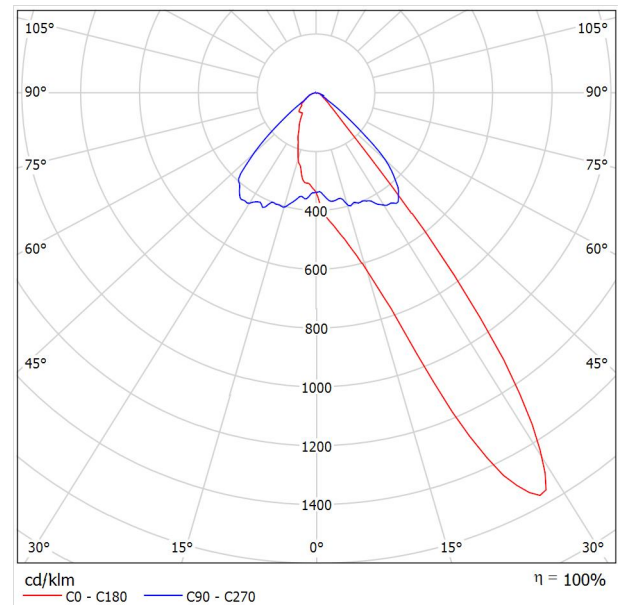
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LED / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 75 95 99 100 100

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

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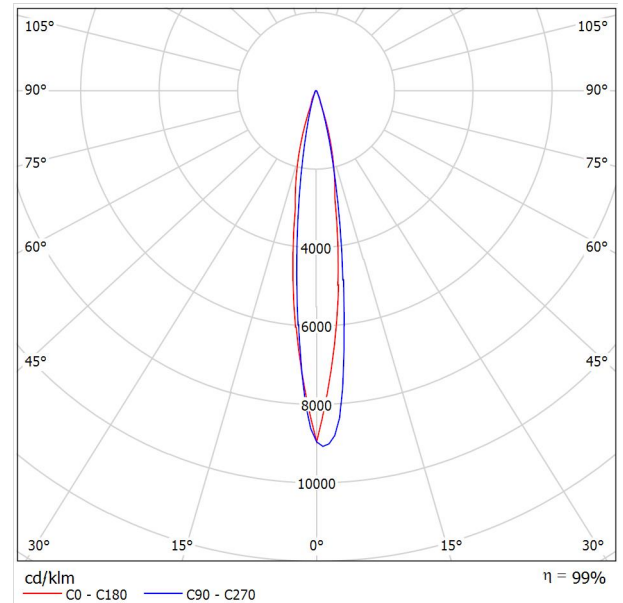
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LED / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 94 98 100 100 99

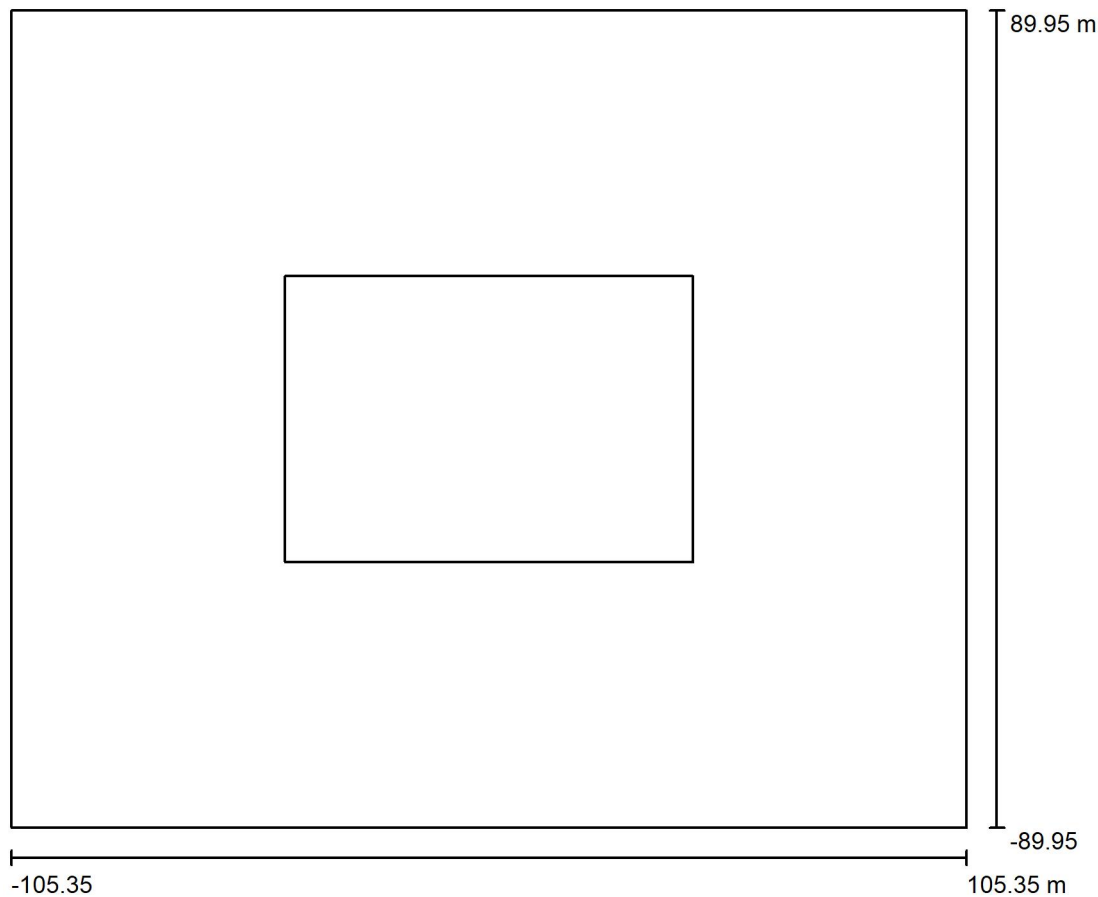
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Exterior Scene 1 / Planning data



Maintenance factor: 0.90, ULR (Upward Light Ratio): 7.0%

Scale 1:1668

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	5	LED (1.000)	198633	198615	1495.6
2	3	LED (1.000)	225532	227600	1527.0
Total:			1669760	Total: 1675875	12059.0

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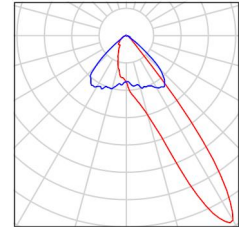
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Exterior Scene 1 / Luminaire parts list

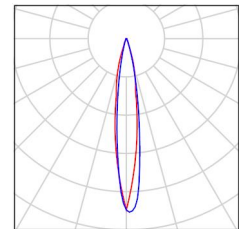
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Fitting: 1 x User defined (Correction Factor 1.000).

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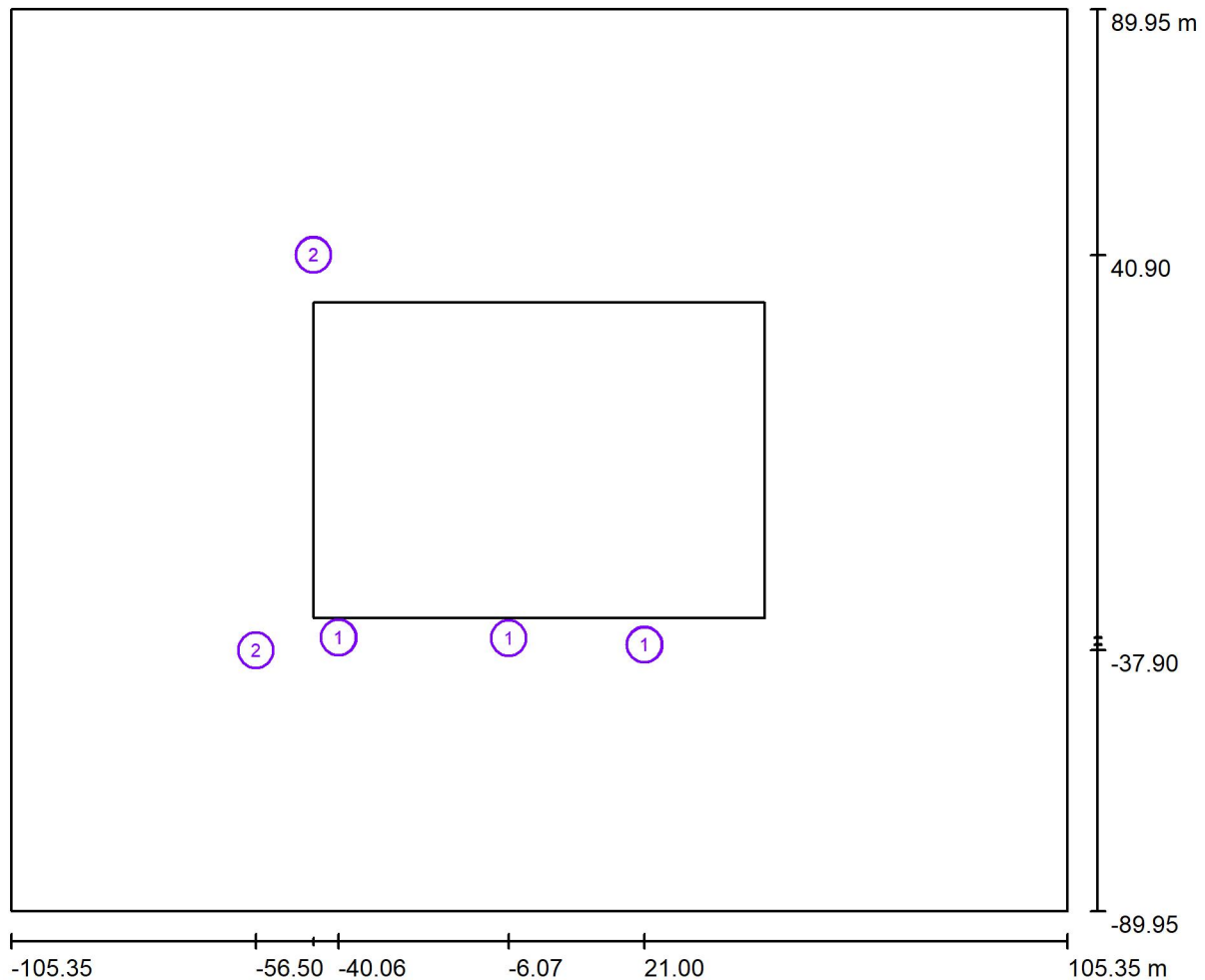
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Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 1507

Luminaire Parts List

No.	Pieces	Designation
1	5	LED
2	3	LED

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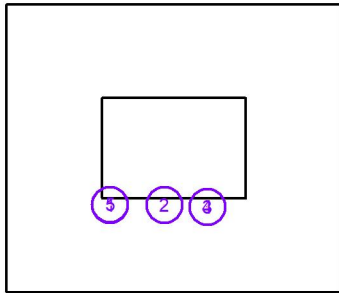
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Exterior Scene 1 / Luminaires (coordinates list)

LED

198633 lm, 1495.6 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-40.056	-35.406	15.000	0.0	-47.5	65.3
2	-6.067	-35.504	15.000	0.0	-47.4	68.8
3	21.000	-36.784	15.000	0.0	-48.5	71.4
4	21.036	-36.836	15.000	0.0	-41.6	60.8
5	-40.006	-35.371	15.000	0.0	-47.5	70.3

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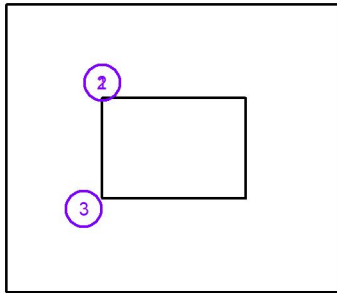
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Exterior Scene 1 / Luminaires (coordinates list)

LED

225532 lm, 1527.0 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-44.997	40.951	15.000	0.0	-79.1	-8.0
2	-45.000	40.900	15.000	0.0	-79.1	-10.8
3	-56.500	-37.900	15.000	0.0	-76.7	73.4

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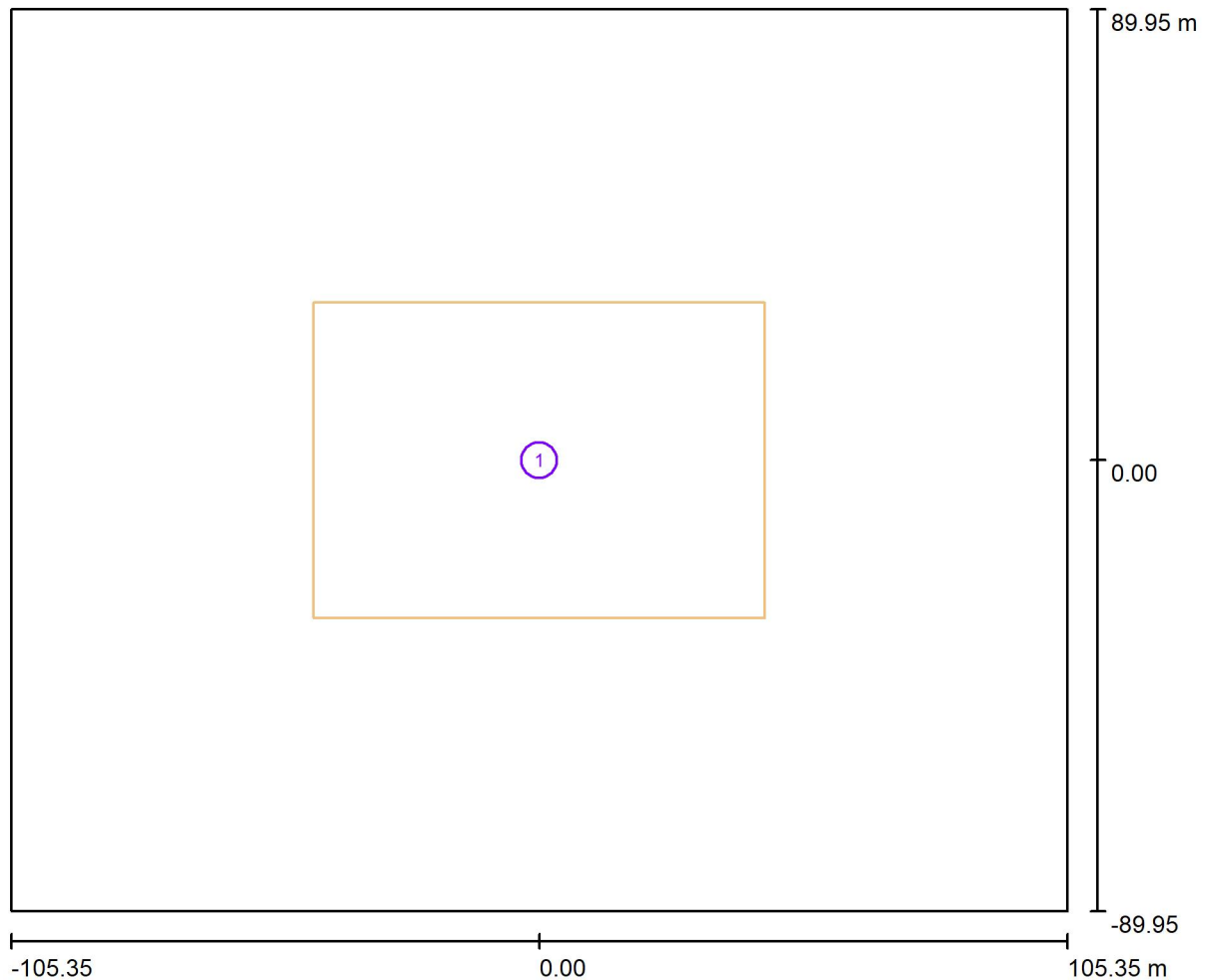
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Exterior Scene 1 / Sport Sites (layout plan)



Scale 1 : 1507

Sport Site Parts List

No.	Pieces	Designation
1	1	General Sport Area

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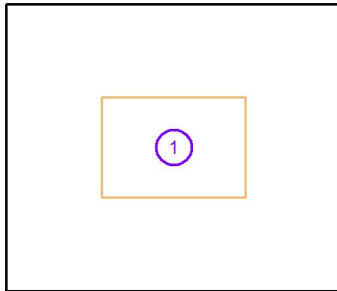
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Exterior Scene 1 / Sport Sites (Coordinates List)

General Sport Area



No.	Position [m]			Size Playing Area [m]		Size Total Area [m]		Rotation [°]		
	X	Y	Z	L	W	L	W	X	Y	Z
1	0.000	0.000	0.000	90.000	63.000	100.000	71.000	0.0	0.0	0.0

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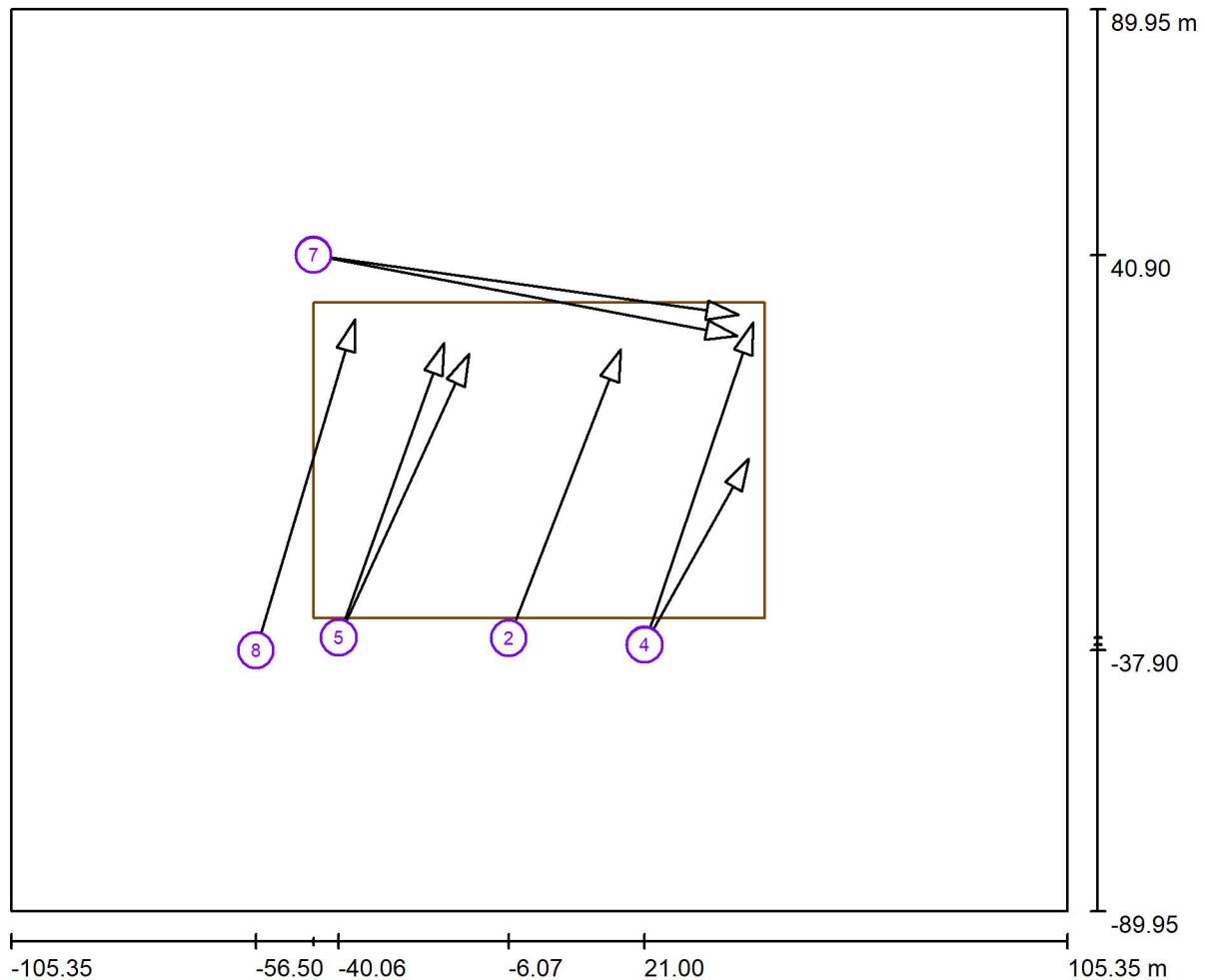
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Exterior Scene 1 / Sport Luminaires (Coordinates List)



Scale 1 : 1507

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
LED	1	-40.056	-35.406	15.000	-14.043	21.200	0.000	13.5	(C 0, G IMax)	/
LED	2	-6.067	-35.504	15.000	16.300	22.100	0.000	13.6	(C 0, G IMax)	/
LED	3	21.000	-36.784	15.000	42.654	27.493	0.000	12.5	(C 0, G IMax)	/
LED	4	21.036	-36.836	15.000	41.800	0.300	0.000	19.4	(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			
LED	5	-40.006	-35.371	15.000	-19.000	23.400	0.000	13.5	(C 0, G IMax)	/
LED	6	-44.997	40.951	15.000	39.700	29.100	0.000	9.9	(C 0, G IMax)	/
LED	7	-45.000	40.900	15.000	39.557	24.815	0.000	9.9	(C 0, G IMax)	/
LED	8	-56.500	-37.900	15.000	-36.777	28.100	0.000	12.3	(C 0, G IMax)	/

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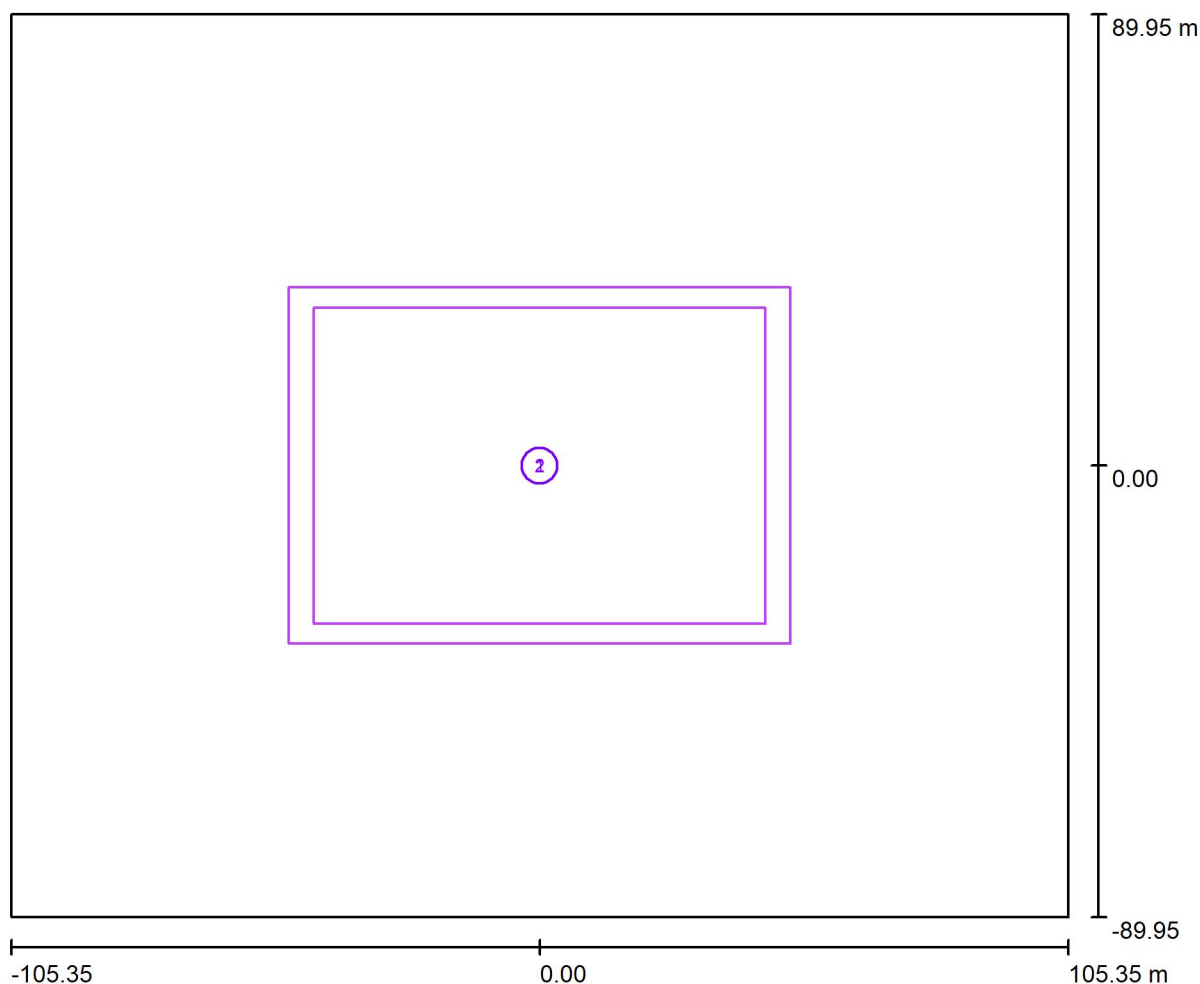
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Exterior Scene 1 / Calculation Grid (Coordinates List)



Scale 1 : 1507

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)	0.000	0.000	0.000	90.000	63.000	0.0	0.0	0.0
2	General Sport Area 1 Calculation Grid (TA)	0.000	0.000	0.000	100.000	71.000	0.0	0.0	0.0

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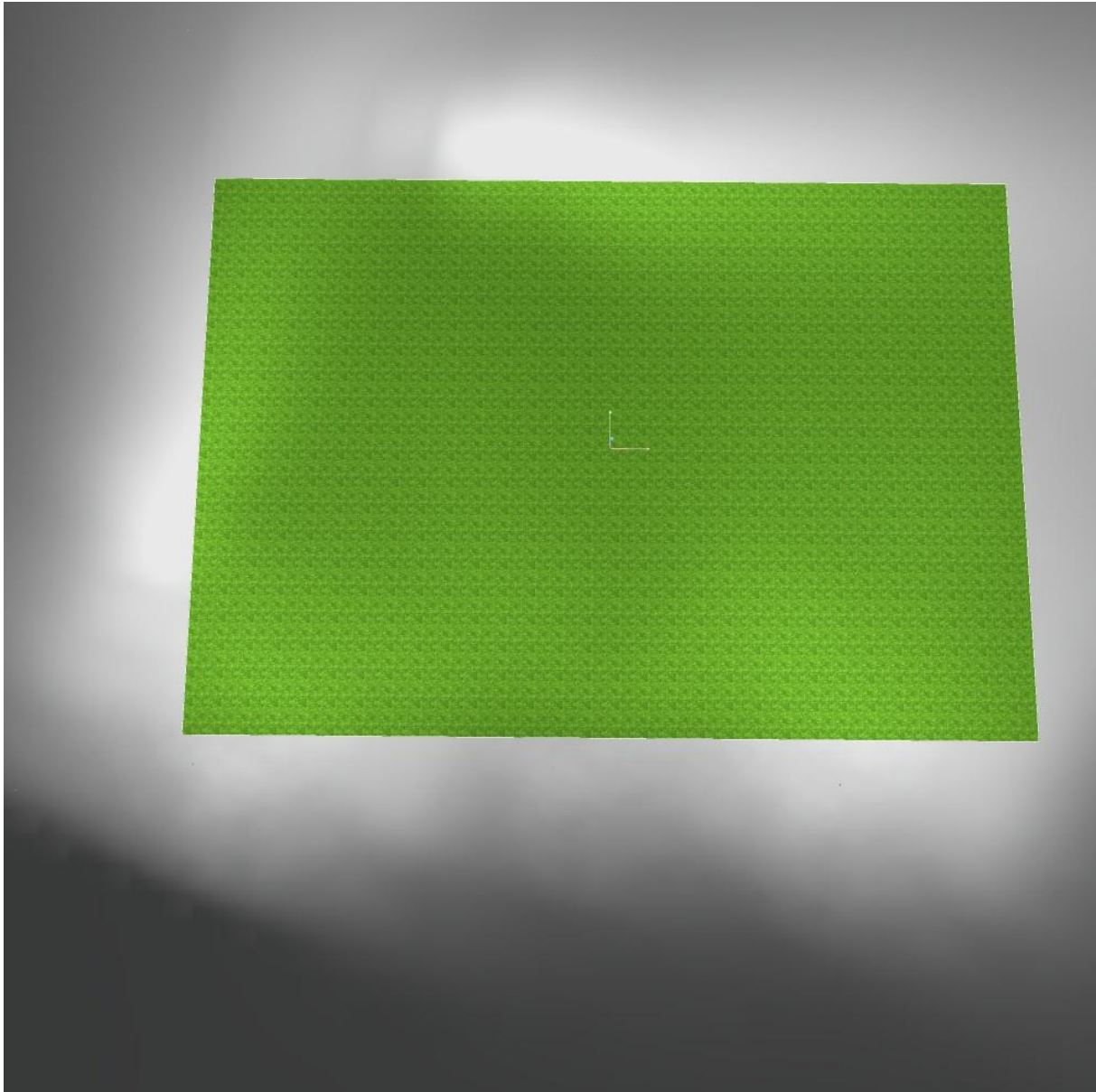
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Exterior Scene 1 / 3D Rendering



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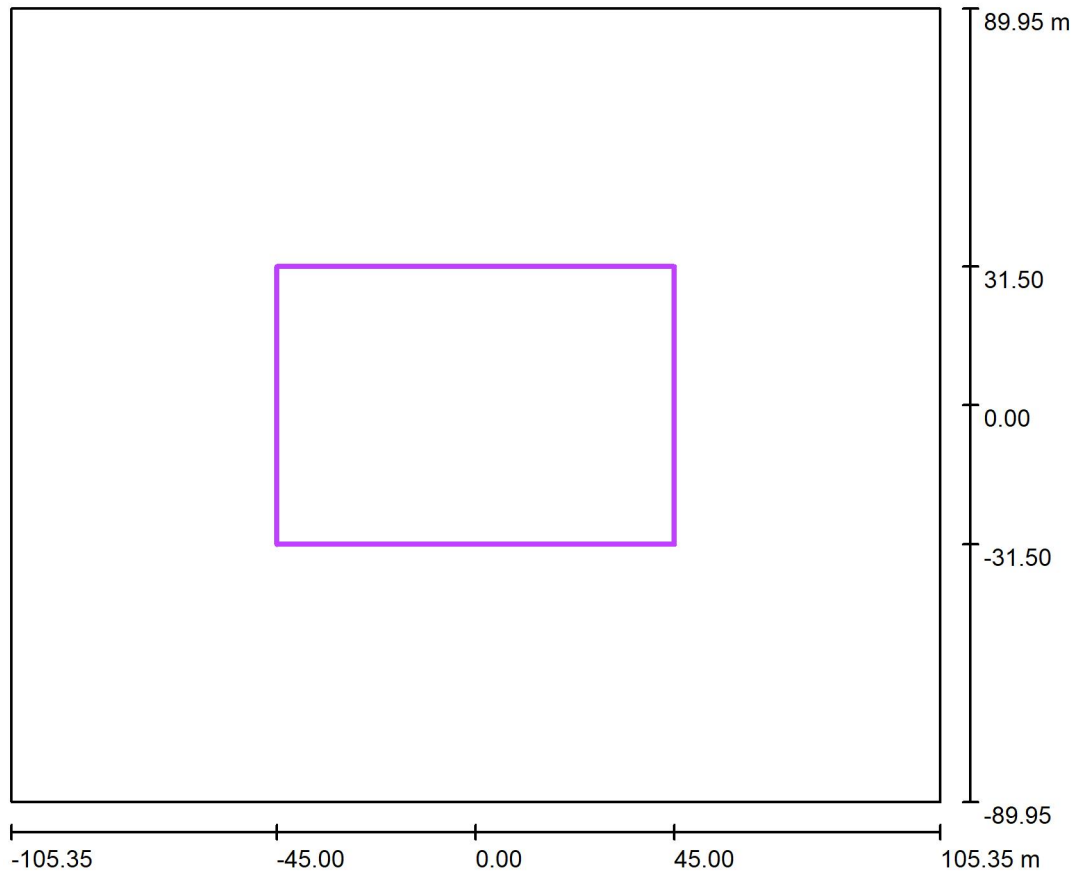
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Summary



Scale 1 : 1716

Position: (0.000 m, 0.000 m, 0.000 m)

Size: (90.000 m, 63.000 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 19 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	123	61	250	0.50	0.25	/	0.000	/

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

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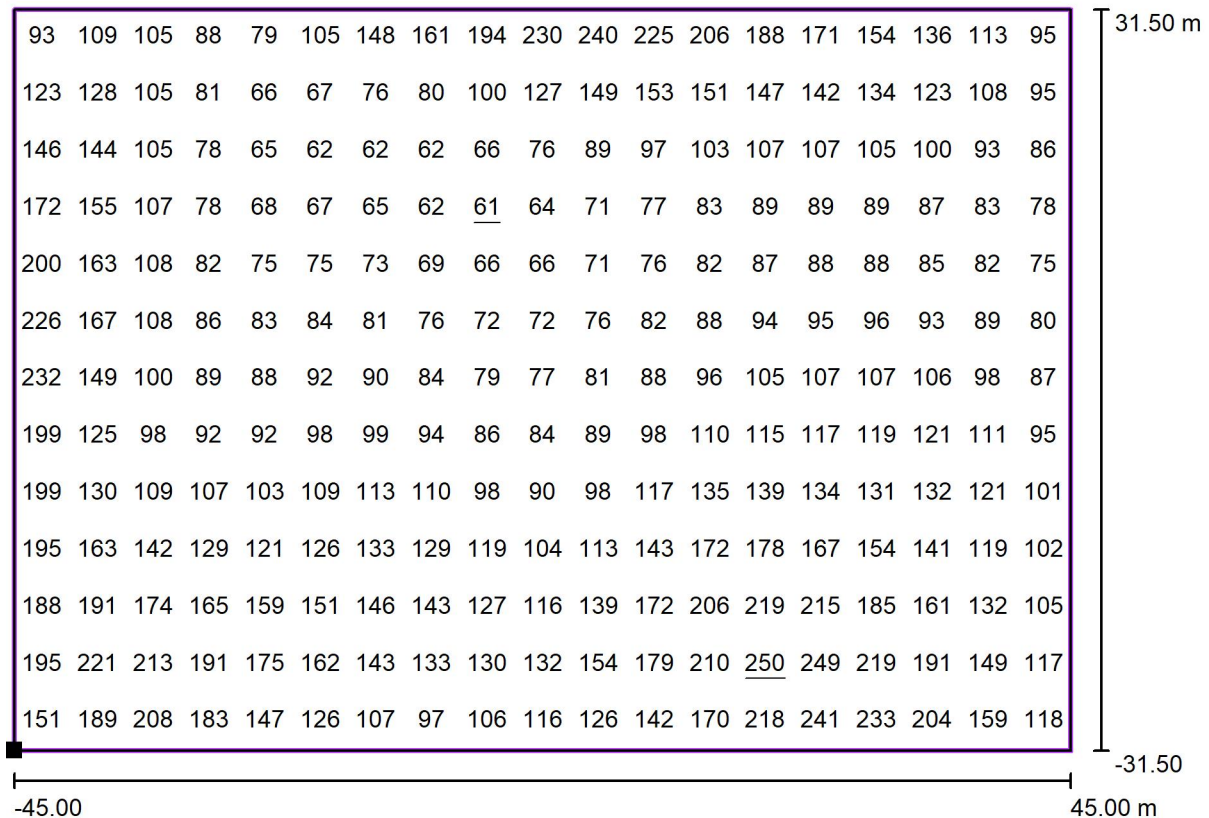
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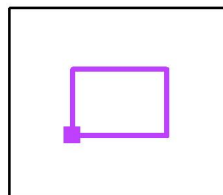
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 644

Position of surface in external scene:
Marked point: (-45.000 m, -31.500 m, 0.000 m)



Grid: 19 x 13 Points

 E_{av} [lx]
123

 E_{min} [lx]
61

 E_{max} [lx]
250

 u_0
0.50

 E_{min} / E_{max}
0.25