

Netball Courts 400lux River Academy

400lux PPA Netball Courts c/w 0.75 uniformity.

Site location :-

River Academy
7 Richfield Avenue
Reading
Berkshire
RG1 8EQ

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 05.02.2026

Operator: Michael Butterill



Direct Sports Lighting

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

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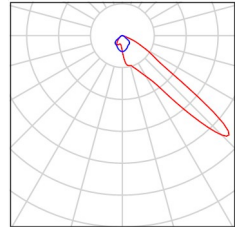
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Netball Courts 400lux River Academy / Luminaire parts list

16 Pieces SP04-800-5770-F04001X-L39
Article No.:
Luminous flux (Luminaire): 97561 lm
Luminous flux (Lamps): 97561 lm
Luminaire Wattage: 803.7 W
Luminaire classification according to CIE: 100
CIE flux code: 45 94 100 100 100
Fitting: 1 x / (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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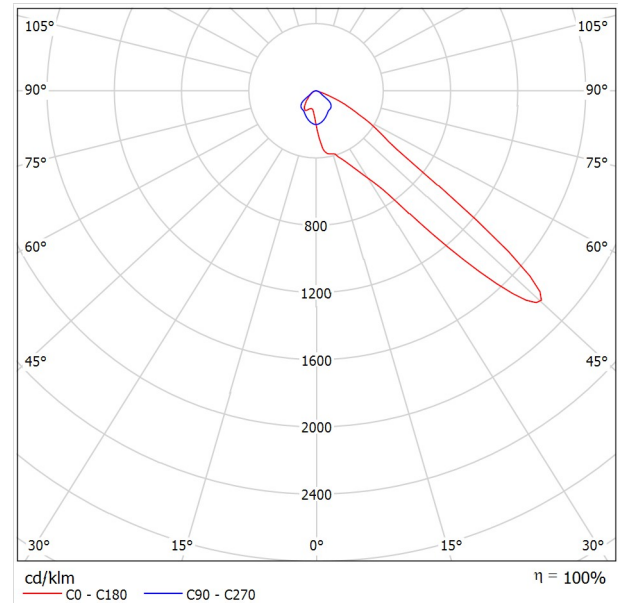
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SP04-800-5770-F04001X-L39 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 45 94 100 100 100

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



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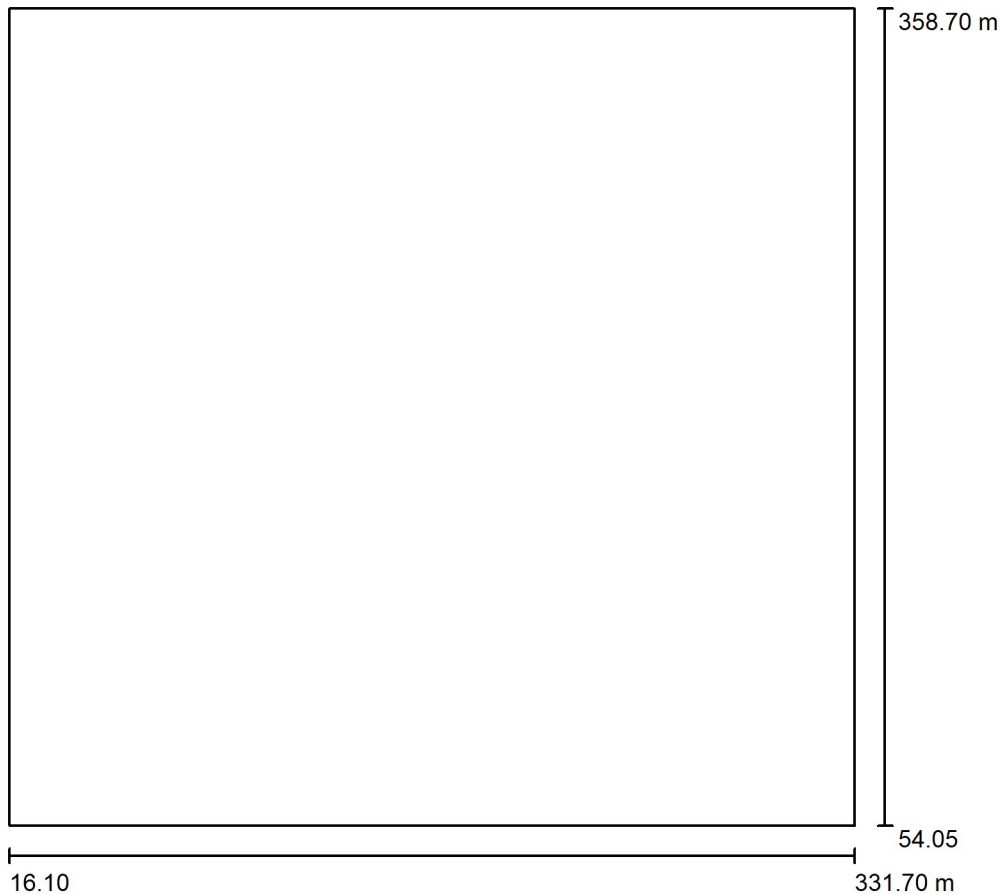
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Exterior Scene 1 / Planning data



Light loss factor: 0.95, ULR (Upward Light Ratio): 0.0%

Scale 1:2824

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	16	SP04-800-5770-F04001X-L39 (1.000)	97561	97561	803.7
Total:			1560975	Total: 1560976	12858.7



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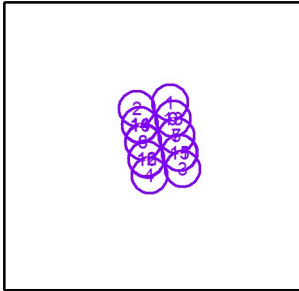
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Exterior Scene 1 / Luminaires (coordinates list)**SP04-800-5770-F04001X-L39**

97561 lm, 803.7 W, 1 x 1 x / (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	192.488	252.722	8.000	0.0	-17.7	-151.3
2	157.356	246.021	8.000	0.0	-17.7	-7.1
3	205.929	182.267	8.000	0.0	-17.7	172.9
4	170.797	175.565	8.000	0.0	-17.7	28.7
5	199.318	217.547	8.000	0.0	-19.2	167.1
6	163.955	210.802	8.000	0.0	-19.2	34.5
7	199.330	217.486	8.000	0.0	-19.2	-145.5
8	163.967	210.740	8.000	0.0	-19.2	-12.9
9	195.788	235.435	8.000	0.0	-18.5	-144.4
10	160.652	228.733	8.000	0.0	-18.5	-14.0
11	202.633	199.554	8.000	0.0	-18.5	166.0
12	167.497	192.852	8.000	0.0	-18.5	35.6
13	195.746	235.696	8.000	0.0	-16.6	172.1
14	160.595	228.991	8.000	0.0	-16.6	29.5
15	202.690	199.296	8.000	0.0	-16.6	-150.5
16	167.539	192.591	8.000	0.0	-16.6	-7.9



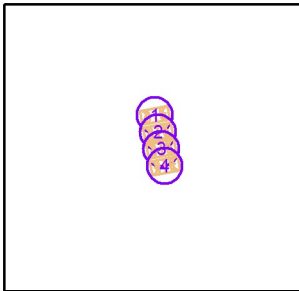
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Exterior Scene 1 / Sport Sites (Coordinates List)

Handball



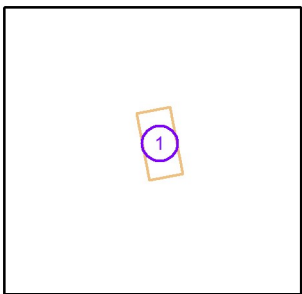
No.	Position [m]			Size Playing Area [m]		Size Total Area [m]		Rotation [°]		
	X	Y	Z	L	W	L	W	X	Y	Z
1	176.400	241.000	0.000	30.000	15.000	36.000	17.000	0.0	0.0	-169.2
2	179.700	222.968	0.000	30.000	15.000	36.000	17.000	0.0	0.0	-169.2
3	183.100	205.100	0.000	30.000	15.000	36.000	17.000	0.0	0.0	-169.2
4	186.900	187.300	0.000	30.000	15.000	36.000	17.000	0.0	0.0	-169.2

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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	181.642	214.144	0.000	72.000	36.000	72.000	36.476	0.0	0.0	-79.1



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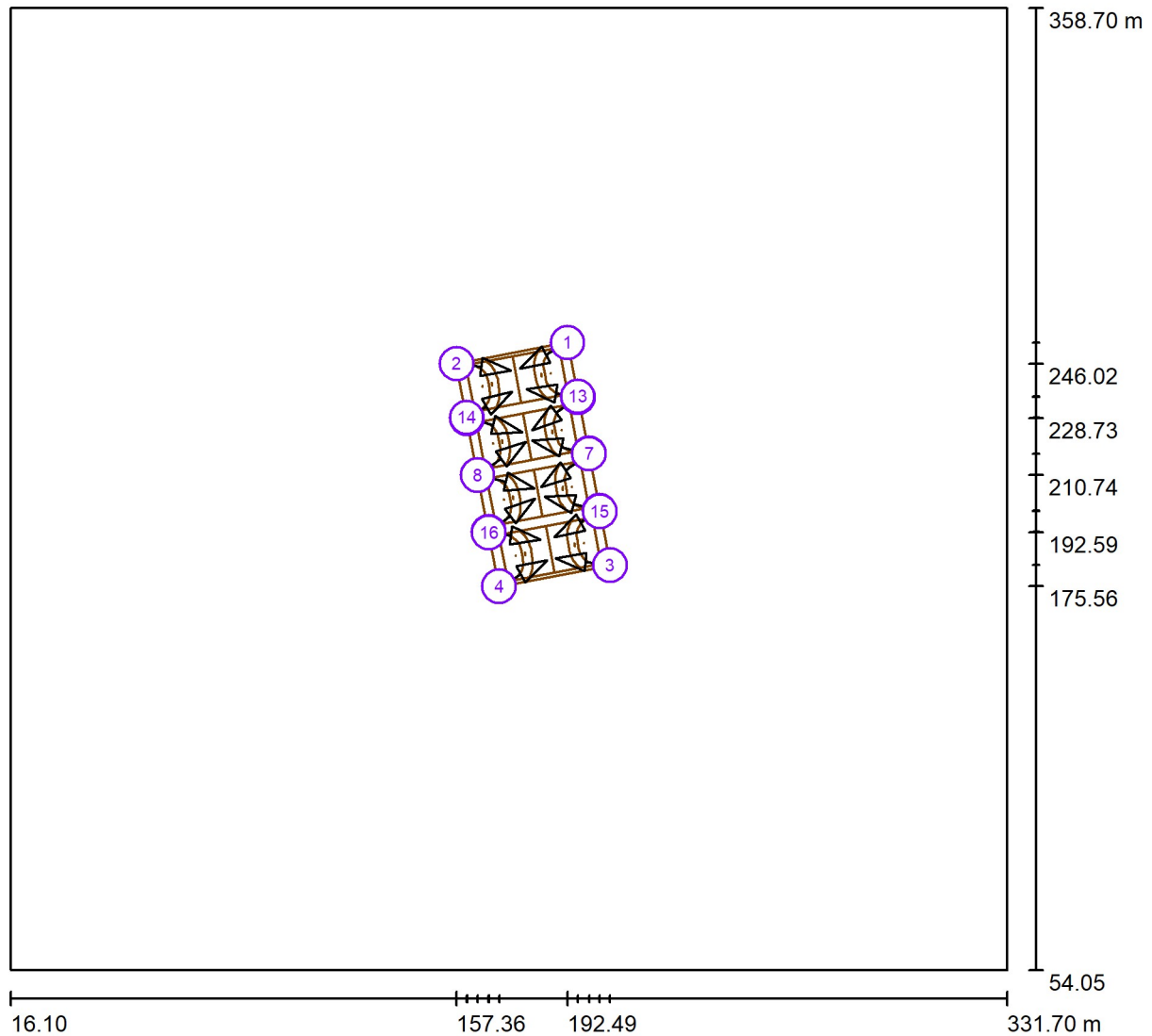
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Exterior Scene 1 / Sport Luminaires (Coordinates List)



Scale 1 : 2257

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
SP04-800-5770-F04001X-L39	1	192.488	252.722	8.000	177.300	244.400	0.000	24.8	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	2	157.356	246.021	8.000	174.542	243.874	0.000	24.8	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	3	205.929	182.267	8.000	188.743	184.413	0.000	24.8	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	4	170.797	175.565	8.000	185.985	183.887	0.000	24.8	(C 0, G IMax)	/



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Exterior Scene 1 / Sport Luminares (Coordinates List)

List of the Sport Luminares

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
SP04-800-5770-F04001X-L39	5	199.318	217.547	8.000	181.223	221.700	0.000	23.3	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	6	163.955	210.802	8.000	179.250	221.324	0.000	23.3	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	7	199.330	217.486	8.000	184.035	206.963	0.000	23.3	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	8	163.967	210.740	8.000	182.062	206.587	0.000	23.3	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	9	195.788	235.435	8.000	181.200	225.000	0.000	24.0	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	10	160.652	228.733	8.000	178.057	224.401	0.000	24.0	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	11	202.633	199.554	8.000	185.228	203.887	0.000	24.0	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	12	167.497	192.852	8.000	182.085	203.287	0.000	24.0	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	13	195.746	235.696	8.000	179.407	237.953	0.000	25.9	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	14	160.595	228.991	8.000	174.956	237.104	0.000	25.9	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	15	202.690	199.296	8.000	188.329	191.183	0.000	25.9	(C 0, G IMax)	/
SP04-800-5770-F04001X-L39	16	167.539	192.591	8.000	183.877	190.334	0.000	25.9	(C 0, G IMax)	/

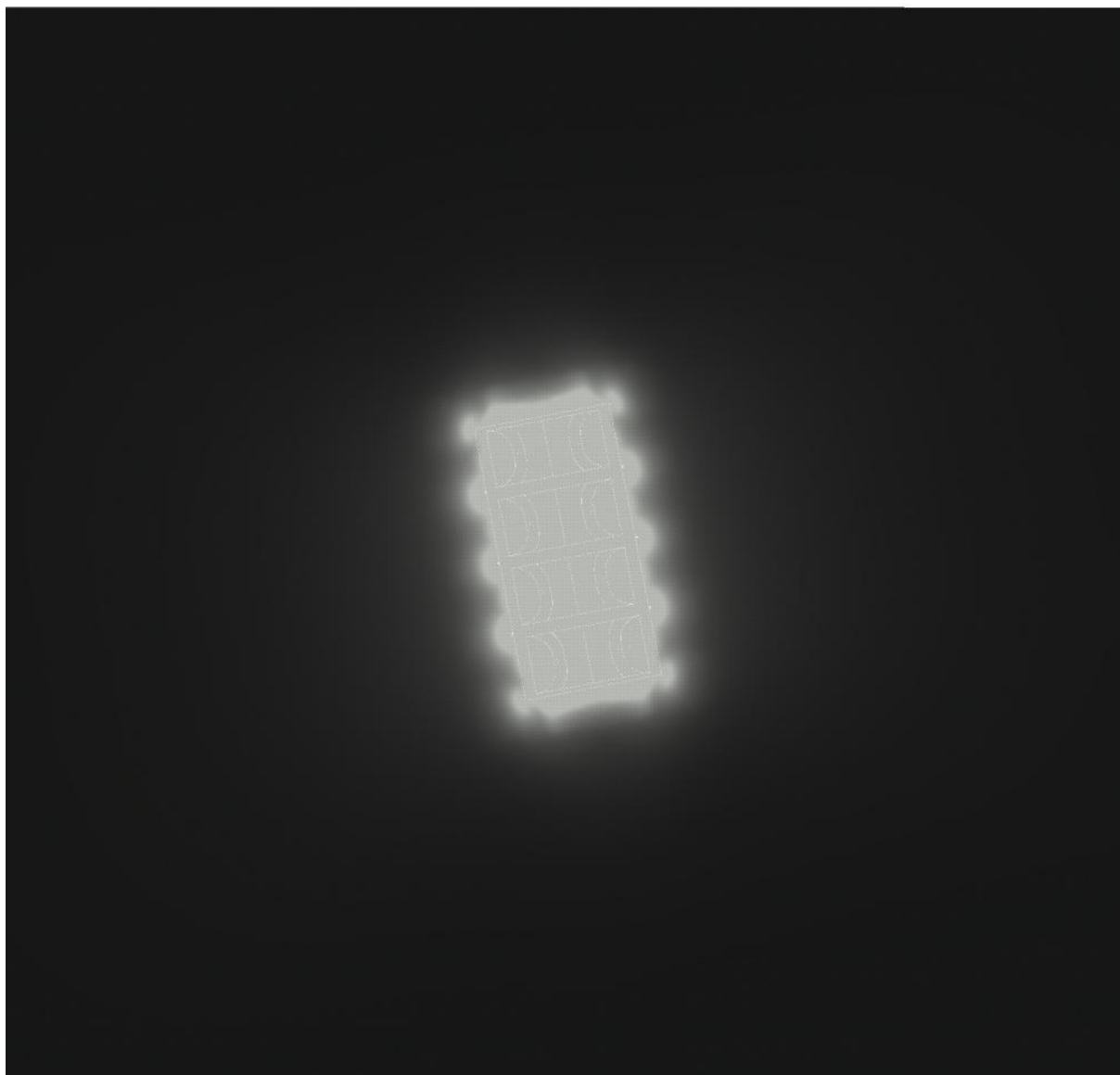


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Exterior Scene 1 / 3D Rendering



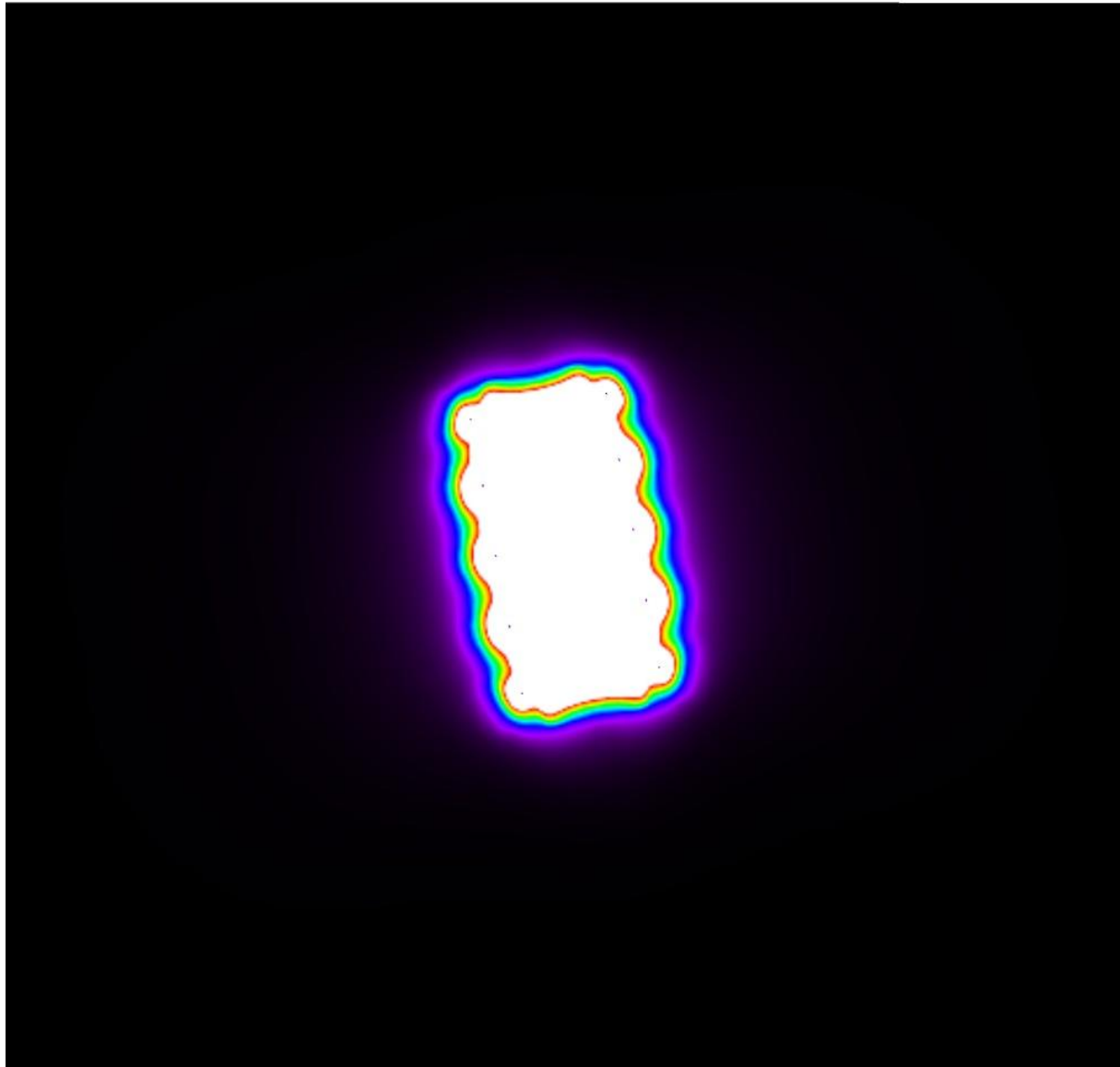


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Exterior Scene 1 / False Color Rendering



0 10 20 30 40 50 60 70 80 lx



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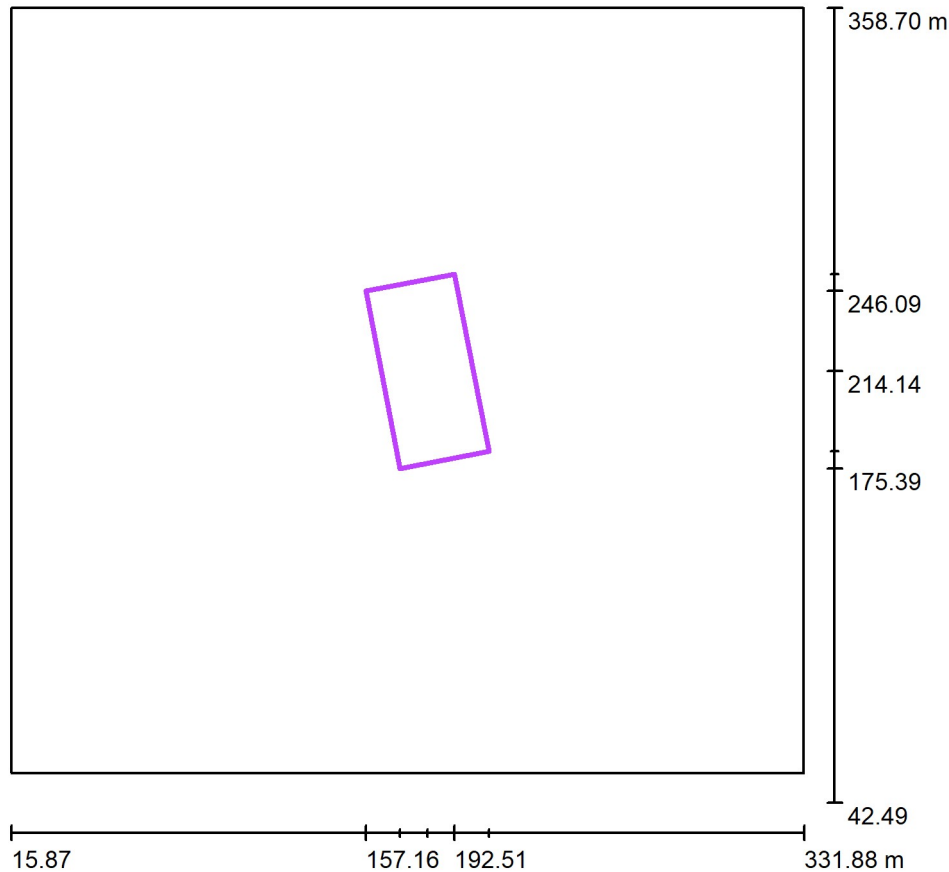
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Summary



Scale 1 : 3015

Position: (181.642 m, 214.144 m, 0.000 m)

Size: (72.000 m, 36.000 m)

Rotation: (0.0°, 0.0°, -79.1°)

Type: Normal, Grid: 19 x 9 Points

Belongs to the following sport arena: Netball Courts

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	462	228	719	0.49	0.32	/	0.000	/

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



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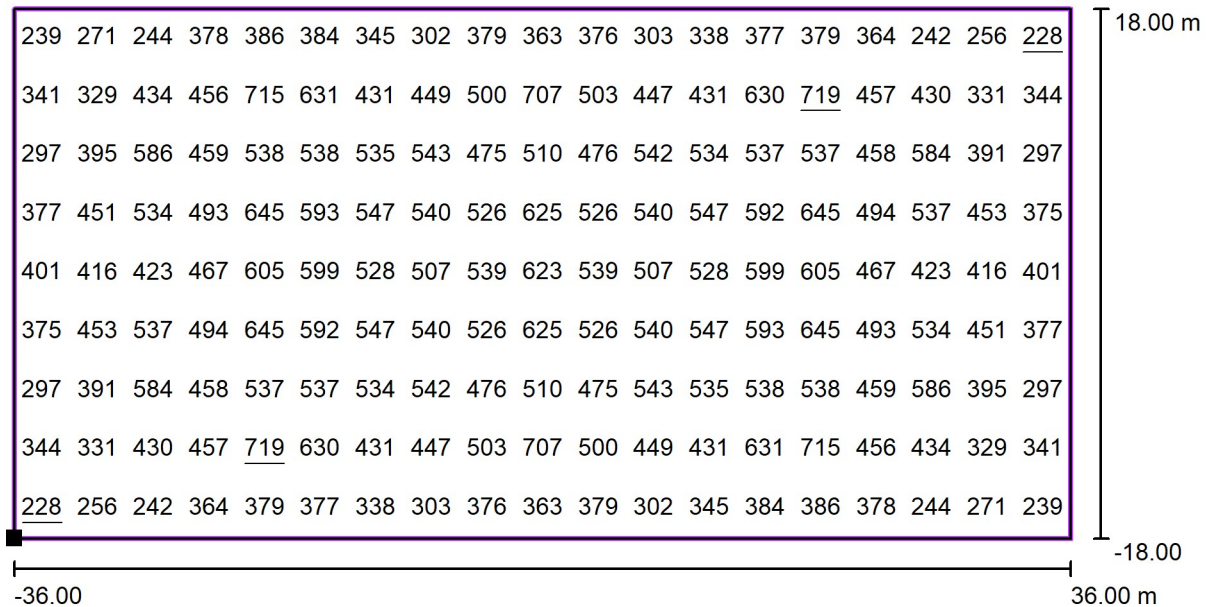
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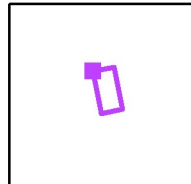
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Exterior Scene 1 / General Sport Area 1 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 515

Position of surface in external scene:

Marked point: (157.160 m,
246.090 m, 0.000 m)

Grid: 19 x 9 Points

 E_{av} [lx]
462

 E_{min} [lx]
228

 E_{max} [lx]
719

 u_0
0.49

 E_{min} / E_{max}
0.32