

Project 1

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 12.10.2024
Operator:



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Project 1

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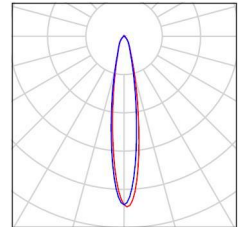


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Project 1 / Luminaire parts list

48 Pieces MIC Optoelectronic Co.,Ltd LED Flood Light
Article No.:
Luminous flux (Luminaire): 145750 lm
Luminous flux (Lamps): 145869 lm Luminaire
Wattage: 985 W
Luminaire classification according to CIE: 99
CIE flux code: 85 95 99 99 100
Fitting: 1 x MFL-E1000-15degree (Correction
Factor 1.000).

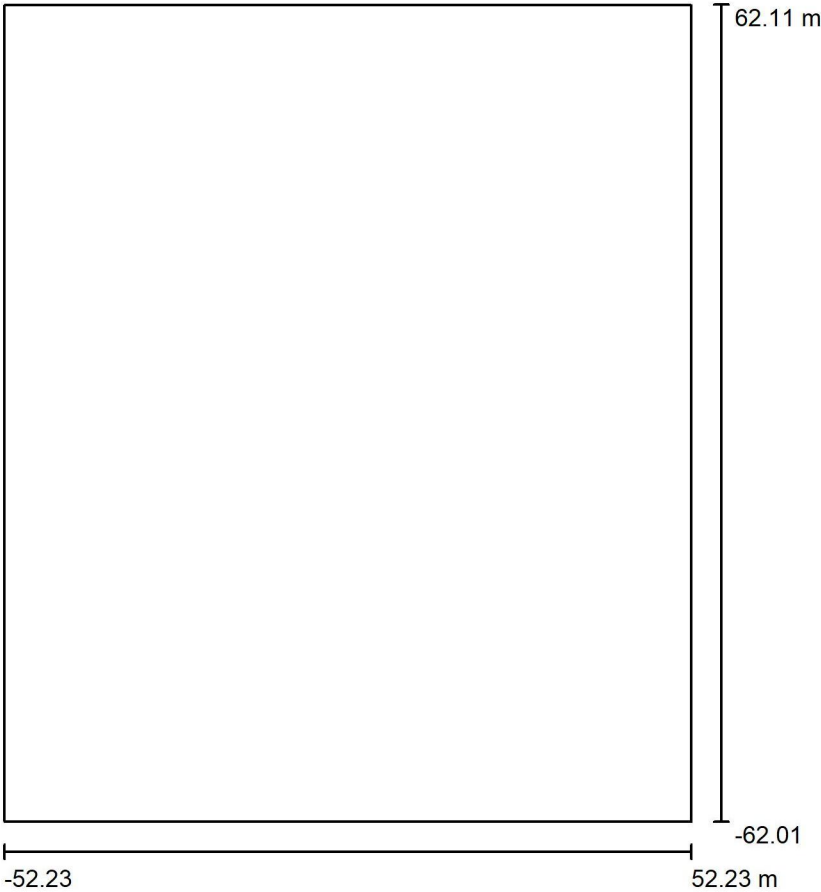
See our luminaire
catalog for an image of
the luminaire.





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Exterior Scene 1 / Planning data



Light loss factor: 0.80, ULR (Upward Light Ratio): 12.0%

Scale 1:1151

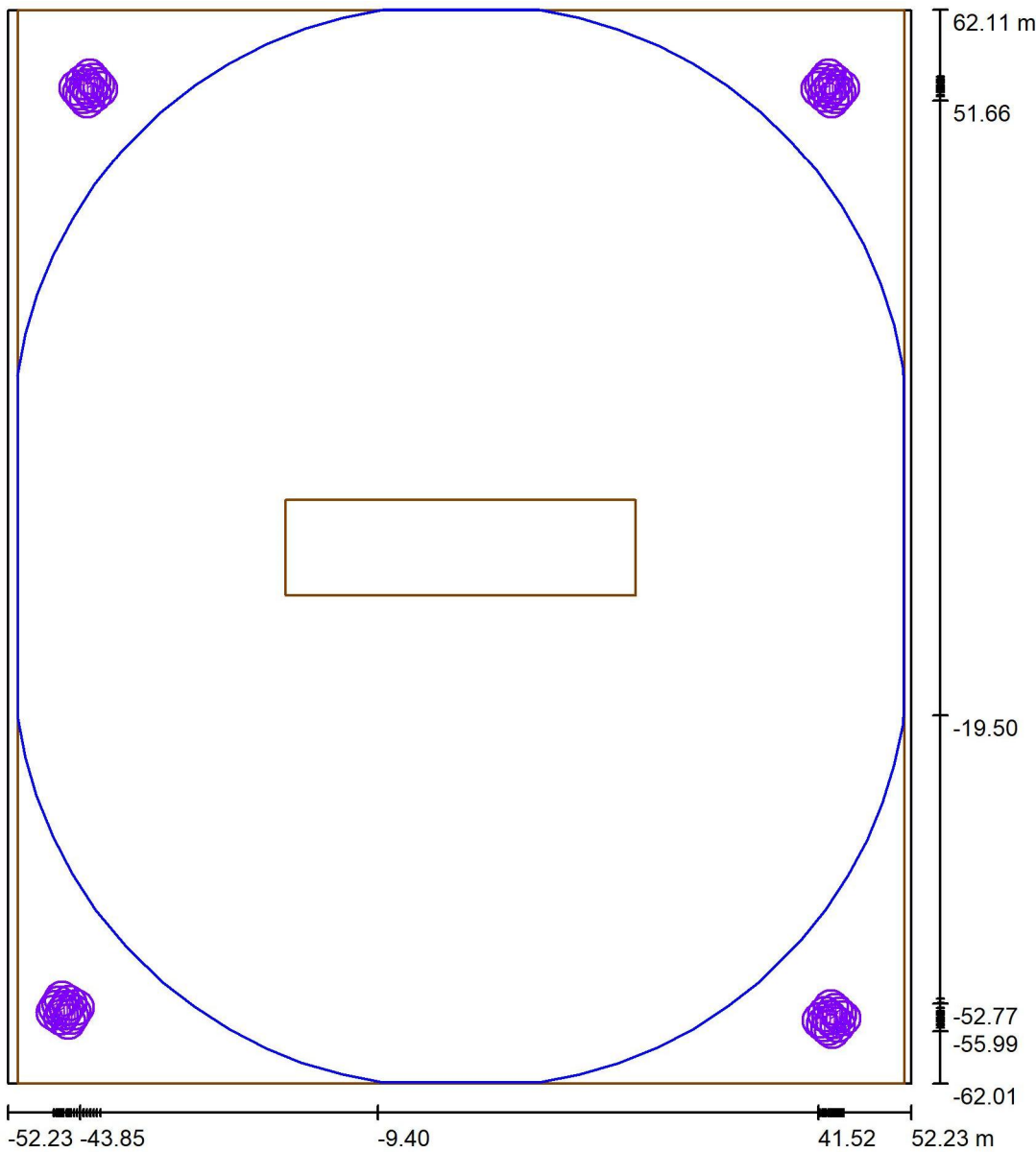
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	48	MIC Optoelectronic Co.,Ltd LED Flood Light (1.000)	145750	145869	985
Total:			6995995	Total: 7001731	47280



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Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 840

Luminaire Parts List

No.	Pieces	Designation
1	48	MIC Optoelectronic Co.,Ltd LED Flood Light

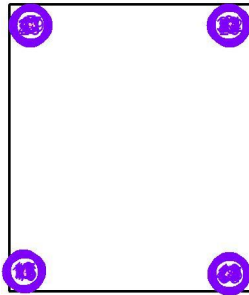


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Exterior Scene 1 / Luminaires (coordinates list)

MIC Optoelectronic Co.,Ltd LED Flood Light

145750 lm, 985 W, 1 x 1 x MFL-E1000-15degree (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-44.256	-53.267	28.000	65.7	0.0	-41.1
2	-43.450	52.140	27.000	62.5	0.0	-154.8
3	43.450	52.140	27.000	62.5	0.0	154.8
4	-46.293	-52.773	27.000	63.3	0.0	-19.4
5	-41.918	53.425	27.000	66.9	0.0	-107.3
6	41.918	53.425	27.000	66.9	0.0	107.3
7	-42.721	54.383	25.000	67.5	0.0	-86.1
8	42.721	54.383	25.000	67.5	0.0	86.1
9	-42.283	52.303	28.000	65.5	0.0	-139.8
10	42.283	52.303	28.000	65.5	0.0	139.8
11	-44.254	53.098	25.000	61.7	0.0	175.1
12	44.254	53.098	25.000	61.7	0.0	-175.1
13	-45.971	-52.237	28.000	62.5	0.0	-27.4
14	-46.079	-54.360	25.000	66.3	0.0	-29.1
15	-46.936	-53.845	25.000	64.4	0.0	1.9
16	-44.578	-53.803	27.000	72.8	0.0	-75.2
17	-45.114	-52.752	28.000	65.0	0.0	-38.3
18	-45.757	-53.824	26.000	65.8	0.0	-32.6
19	-46.615	-53.309	26.000	63.9	0.0	-8.4
20	-45.435	-53.288	27.000	65.3	0.0	-35.5
21	-42.684	52.782	27.000	65.8	0.0	-143.0
22	42.684	52.782	27.000	65.8	0.0	143.0
23	-43.852	52.619	26.000	62.3	0.0	-162.0
24	43.852	52.619	26.000	62.3	0.0	162.0
25	-43.049	51.661	28.000	62.0	0.0	-152.8
26	43.049	51.661	28.000	62.0	0.0	152.8
27	-42.320	53.904	26.000	68.6	0.0	-89.8
28	42.320	53.904	26.000	68.6	0.0	89.8



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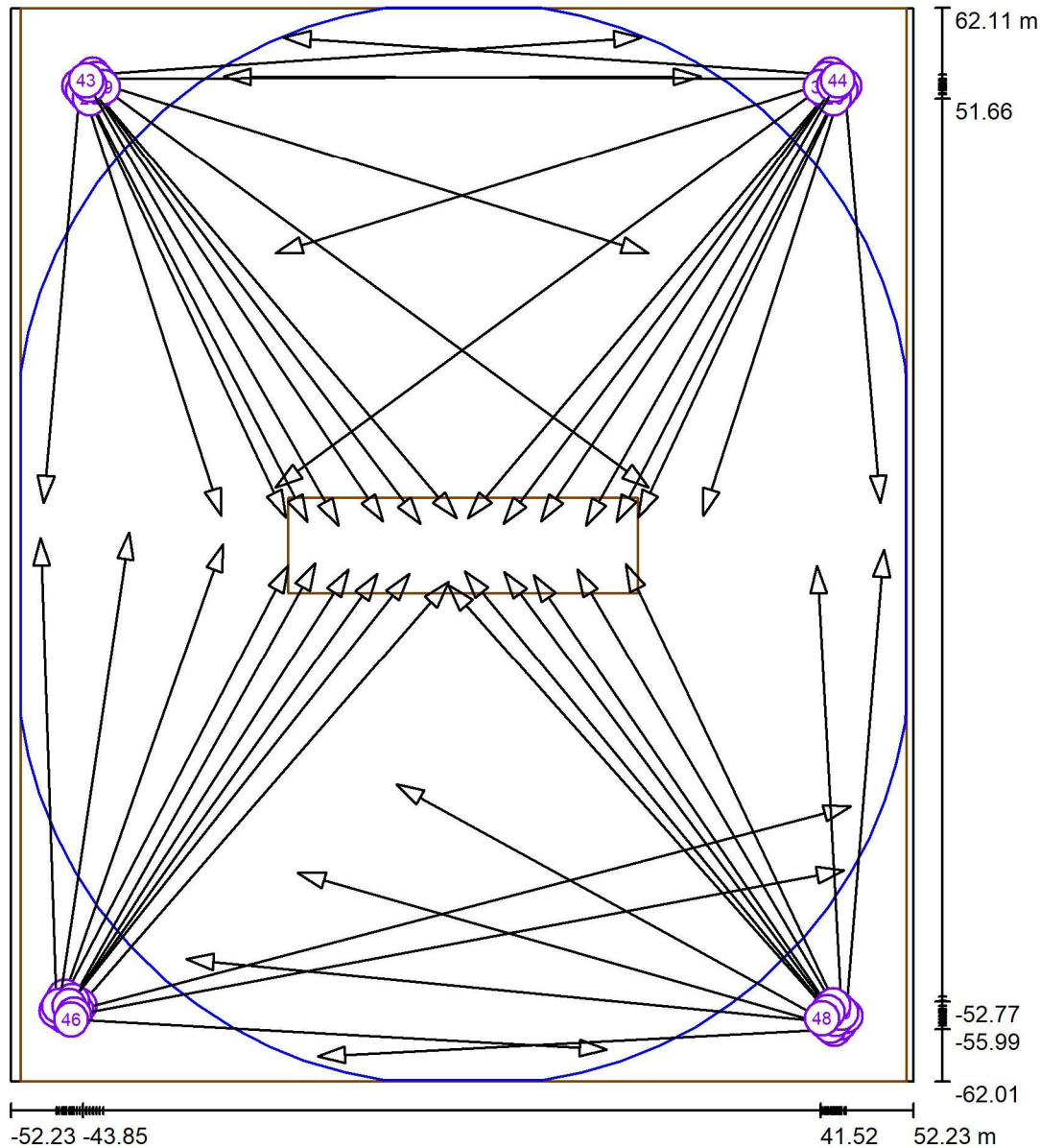
Exterior Scene 1 / Luminaires (coordinates list)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	-41.516	52.946	28.000	69.3	0.0	-126.3
30	41.516	52.946	28.000	69.3	0.0	126.3
31	42.159	-55.163	27.000	69.1	0.0	84.4
32	43.446	-53.670	27.000	63.7	0.0	25.4
33	43.099	-55.986	25.000	66.3	0.0	93.0
34	43.728	-55.246	25.000	67.3	0.0	34.4
35	44.387	-54.493	25.000	64.2	0.0	-4.7
36	42.788	-54.422	27.000	67.0	0.0	39.6
37	42.629	-55.575	26.000	66.9	0.0	74.0
38	43.258	-54.834	26.000	67.0	0.0	36.5
39	43.917	-54.082	26.000	62.3	0.0	3.1
40	42.976	-53.258	28.000	63.4	0.0	30.5
41	-43.086	53.261	26.000	65.9	0.0	-146.1
42	43.086	53.261	26.000	65.9	0.0	146.1
43	-43.487	53.740	25.000	66.1	0.0	-150.4
44	43.487	53.740	25.000	66.1	0.0	150.4
45	-44.900	-54.339	26.000	73.0	0.0	-79.4
46	-45.222	-54.875	25.000	67.1	0.0	-93.2
47	42.317	-54.010	28.000	66.1	0.0	41.6
48	41.659	-54.763	28.000	62.5	0.0	61.2



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Exterior Scene 1 / Sport Luminaires (Coordinates List)



Scale 1 : 840

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
MIC Optoelectronic Co.,Ltd LED Flood Light	1	-44.256	-53.267	28.000	-1.527	-4.200	0.000	23.3	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	2	-43.450	52.140	27.000	-20.400	3.200	0.000	26.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	3	43.450	52.140	27.000	20.400	3.200	0.000	26.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	4	-46.293	-52.773	27.000	-27.642	0.116	0.000	25.7	(C 90, G IMax)	/

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Exterior Scene 1 / Sport Luminaire (Coordinates List)

List of the Sport Luminaire

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
MIC Optoelectronic Co.,Ltd LED Flood Light	5	-41.918	53.425	27.000	21.600	33.700	0.000	22.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	6	41.918	53.425	27.000	-21.600	33.700	0.000	22.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	7	-42.721	54.383	25.000	20.700	58.700	0.000	21.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	8	42.721	54.383	25.000	-20.700	58.700	0.000	21.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	9	-42.283	52.303	28.000	-0.655	3.120	0.000	23.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	10	42.283	52.303	28.000	0.655	3.120	0.000	23.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	11	-44.254	53.098	25.000	-48.400	4.900	0.000	27.3	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	12	44.254	53.098	25.000	48.400	4.900	0.000	27.3	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	13	-45.971	-52.237	28.000	-20.100	-2.300	0.000	26.5	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	14	-46.079	-54.360	25.000	-16.957	-2.081	0.000	22.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	15	-46.936	-53.845	25.000	-48.737	0.832	0.000	24.6	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	16	-44.578	-53.803	27.000	45.000	-30.200	0.000	16.2	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	17	-45.114	-52.752	28.000	-6.100	-3.300	0.000	24.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	18	-45.757	-53.824	26.000	-13.107	-2.782	0.000	23.2	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	19	-46.615	-53.309	26.000	-38.500	1.500	0.000	25.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	20	-45.435	-53.288	27.000	-9.783	-3.300	0.000	23.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	21	-42.684	52.782	27.000	-4.800	2.500	0.000	23.2	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	22	42.684	52.782	27.000	4.800	2.500	0.000	23.2	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	23	-43.852	52.619	26.000	-27.900	3.400	0.000	26.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	24	43.852	52.619	26.000	27.900	3.400	0.000	26.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	25	-43.049	51.661	28.000	-17.900	2.700	0.000	27.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	26	43.049	51.661	28.000	17.900	2.700	0.000	27.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	27	-42.320	53.904	26.000	27.600	54.200	0.000	20.4	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	28	42.320	53.904	26.000	-27.600	54.200	0.000	20.4	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	29	-41.516	52.946	28.000	21.600	6.666	0.000	19.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	30	41.516	52.946	28.000	-21.600	6.666	0.000	19.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	31	42.159	-55.163	27.000	-31.900	-47.900	0.000	19.9	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	32	43.446	-53.670	27.000	18.962	-2.146	0.000	25.3	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	33	43.099	-55.986	25.000	-16.694	-59.100	0.000	22.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	34	43.728	-55.246	25.000	8.255	-3.422	0.000	21.7	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	35	44.387	-54.493	25.000	48.800	-0.500	0.000	24.8	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	36	42.788	-54.422	27.000	0.281	-3.009	0.000	22.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	37	42.629	-55.575	26.000	-19.000	-37.900	0.000	22.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	38	43.258	-54.834	26.000	4.850	-3.022	0.000	22.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	39	43.917	-54.082	26.000	41.100	-2.370	0.000	26.7	(C 90, G IMax)	/



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Exterior Scene 1 / Sport Luminares (Coordinates List)

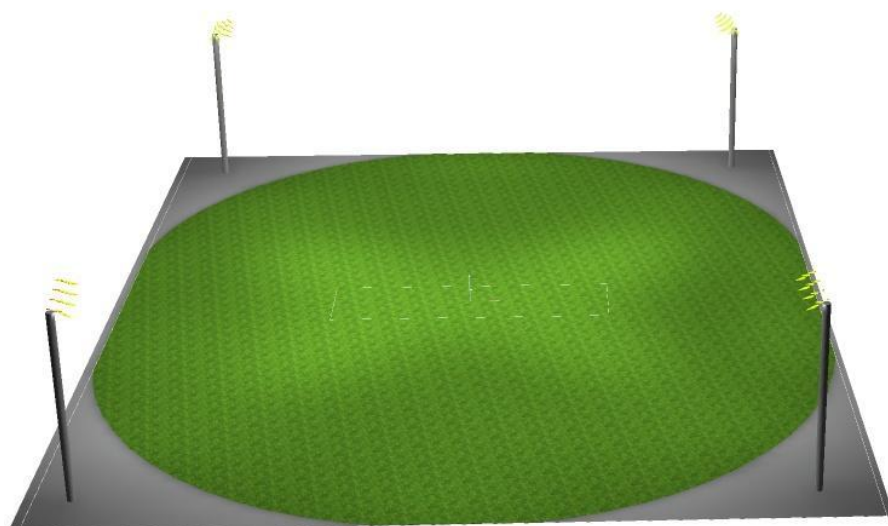
List of the Sport Luminares

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
MIC Optoelectronic Co.,Ltd LED Flood Light	41	-43.086	53.261	26.000	-9.121	2.800	0.000	23.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	42	43.086	53.261	26.000	9.121	2.800	0.000	23.1	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	43	-43.487	53.740	25.000	-14.300	2.300	0.000	22.9	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	44	43.487	53.740	25.000	14.300	2.300	0.000	22.9	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	45	-44.900	-54.339	26.000	44.200	-37.600	0.000	16.0	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	46	-45.222	-54.875	25.000	16.752	-58.300	0.000	21.9	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	47	42.317	-54.010	28.000	-1.600	-4.544	0.000	22.9	(C 90, G IMax)	/
MIC Optoelectronic Co.,Ltd LED Flood Light	48	41.659	-54.763	28.000	-7.600	-27.700	0.000	26.5	(C 90, G IMax)	/



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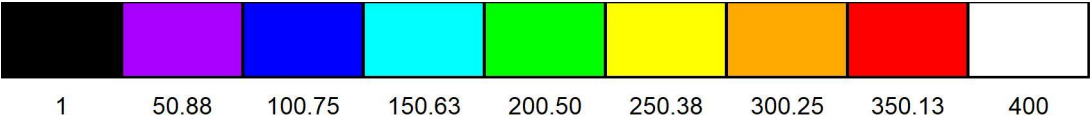
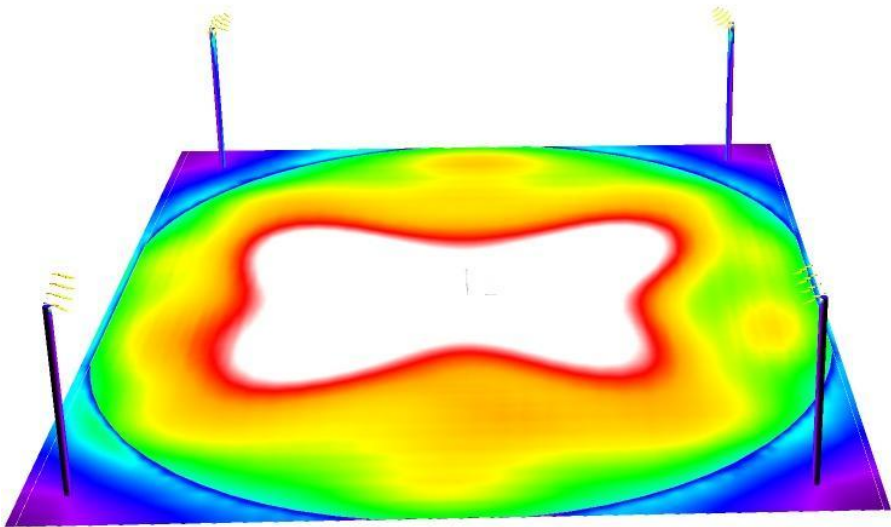
Exterior Scene 1 / 3D Rendering





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Exterior Scene 1 / False Color Rendering

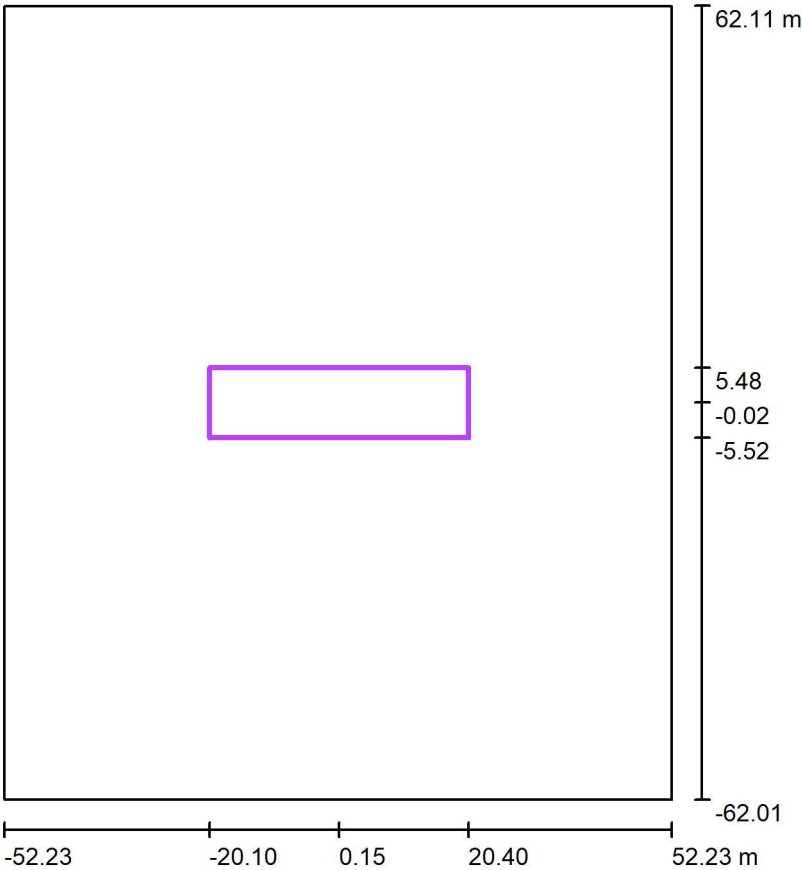


lx



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Exterior Scene 1 / General Sport Area 2 Calculation Grid (PA) / Summary



Scale 1 : 1184

Position: (0.150 m, -0.023 m, 0.010 m)
Size: (40.500 m, 11.000 m)
Rotation: (0.0°, 0.0°, 0.0°)
Type: Normal, Grid: 15 x 5 Points
Belongs to the following sport arena: General Sport Area 2

Results overview

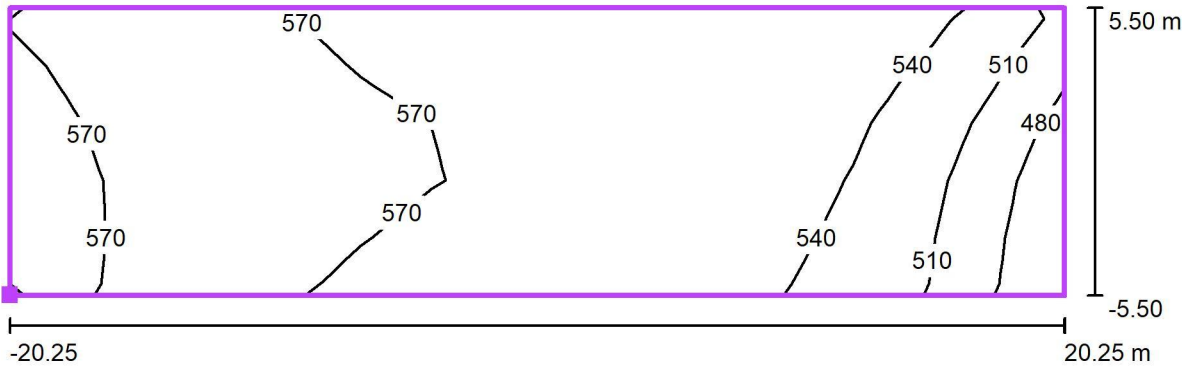
No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	554	466	583	0.84	0.80	/	0.000	/

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



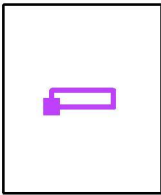
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Exterior Scene 1 / General Sport Area 2 Calculation Grid (PA) / Isolines (E, Perpendicular)



Values in Lux, Scale 1 : 290

Position of surface in external scene:
Marked point: (-20.100 m, -5.523 m, 0.010 m)



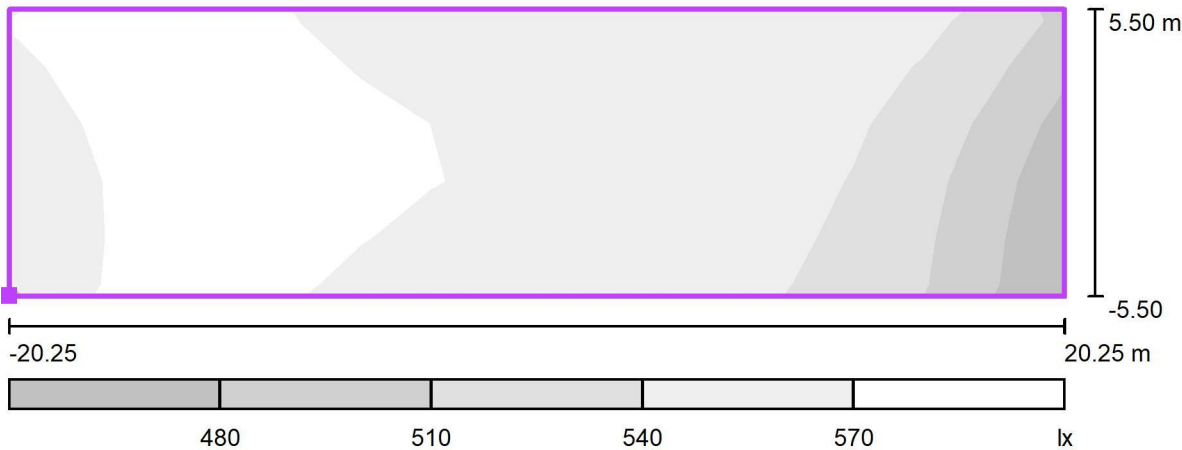
Grid: 15 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
554	466	583	0.84	0.80



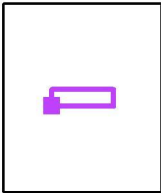
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Exterior Scene 1 / General Sport Area 2 Calculation Grid (PA) / Greyscale (E, Perpendicular)



Scale 1 : 290

Position of surface in external scene:
Marked point: (-20.100 m, -5.523 m, 0.010 m)



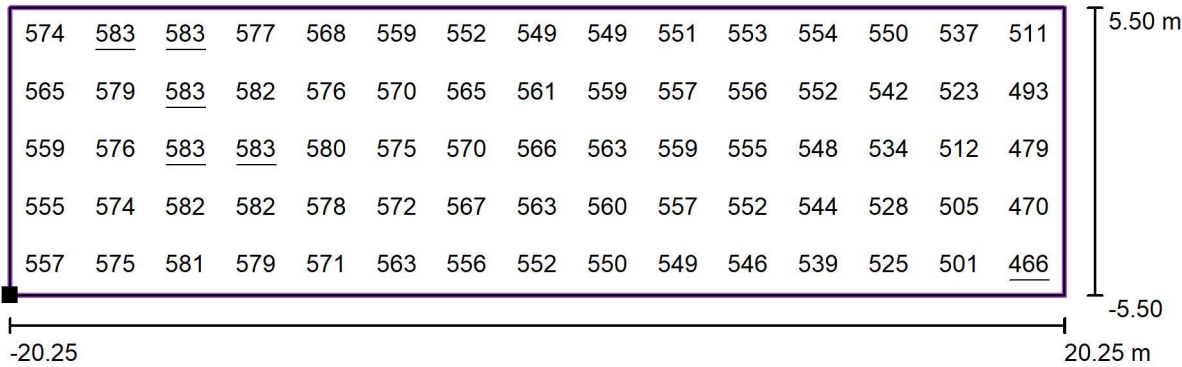
Grid: 15 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
554	466	583	0.84	0.80



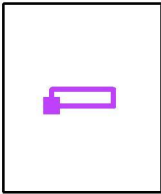
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Exterior Scene 1 / General Sport Area 2 Calculation Grid (PA) / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 290

Position of surface in external scene:
Marked point: (-20.100 m, -5.523 m, 0.010 m)

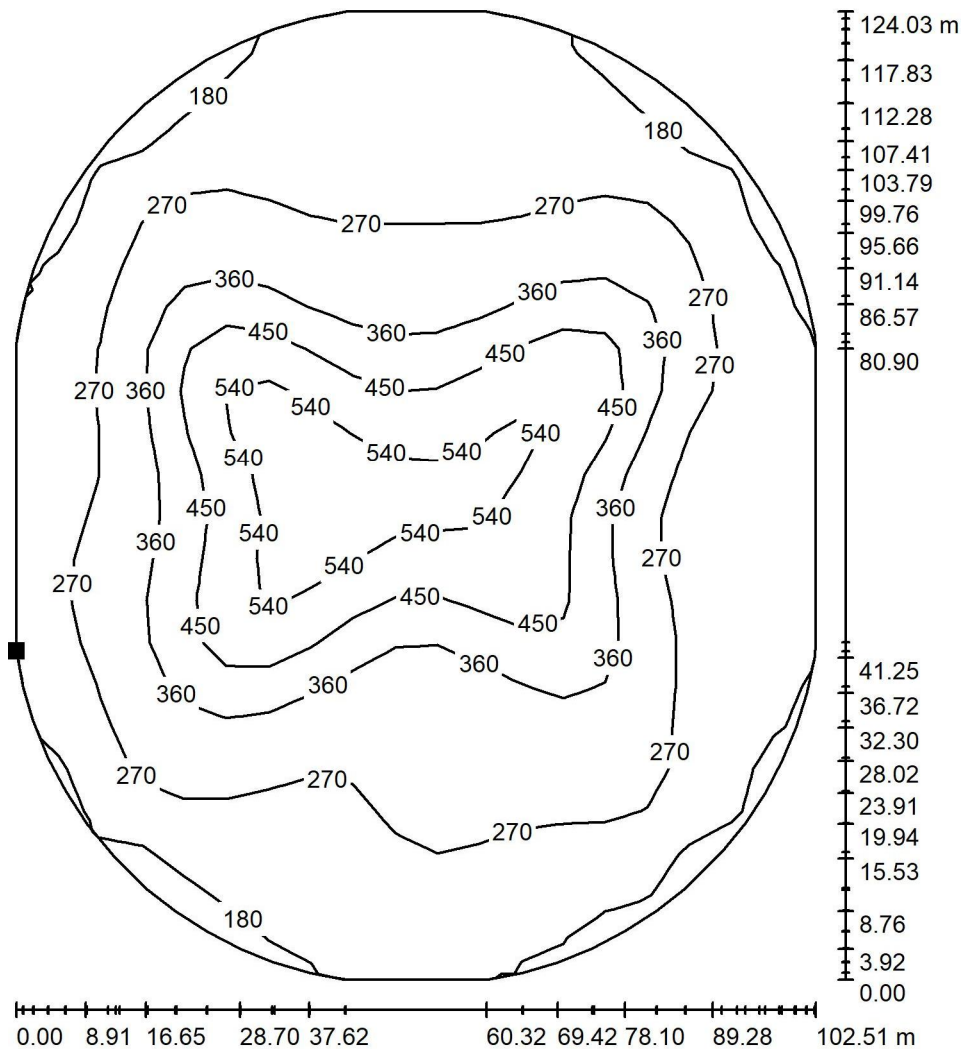


Grid: 15 x 5 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
554	466	583	0.84	0.80

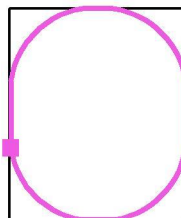


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Exterior Scene 1 / Extrusion Volume / Surface 1 / Isolines (E)

Values in Lux, Scale 1 : 970

Position of surface in external scene:
Marked point:
(-51.050 m, -19.883 m, 0.010 m)



Grid: 19 x 23 Points

E_{av} [lx]
318

E_{min} [lx]
168

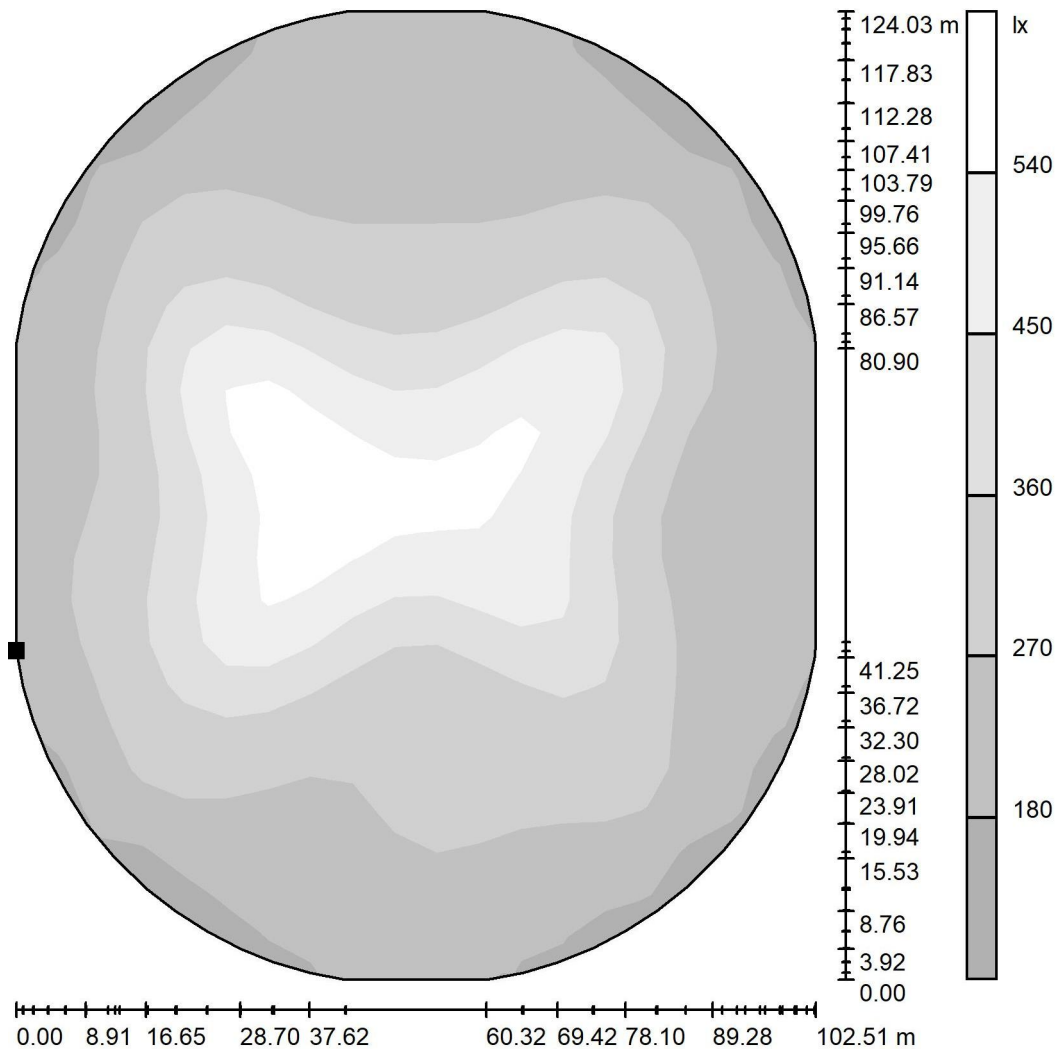
E_{max} [lx]
586

u_0
0.527

E_{min} / E_{max}
0.287

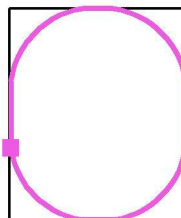


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Exterior Scene 1 / Extrusion Volume / Surface 1 / Greyscale (E)

Scale 1 : 970

Position of surface in external scene:
Marked point:
(-51.050 m, -19.883 m, 0.010 m)



Grid: 19 x 23 Points

E_{av} [lx]
318

E_{min} [lx]
168

E_{max} [lx]
586

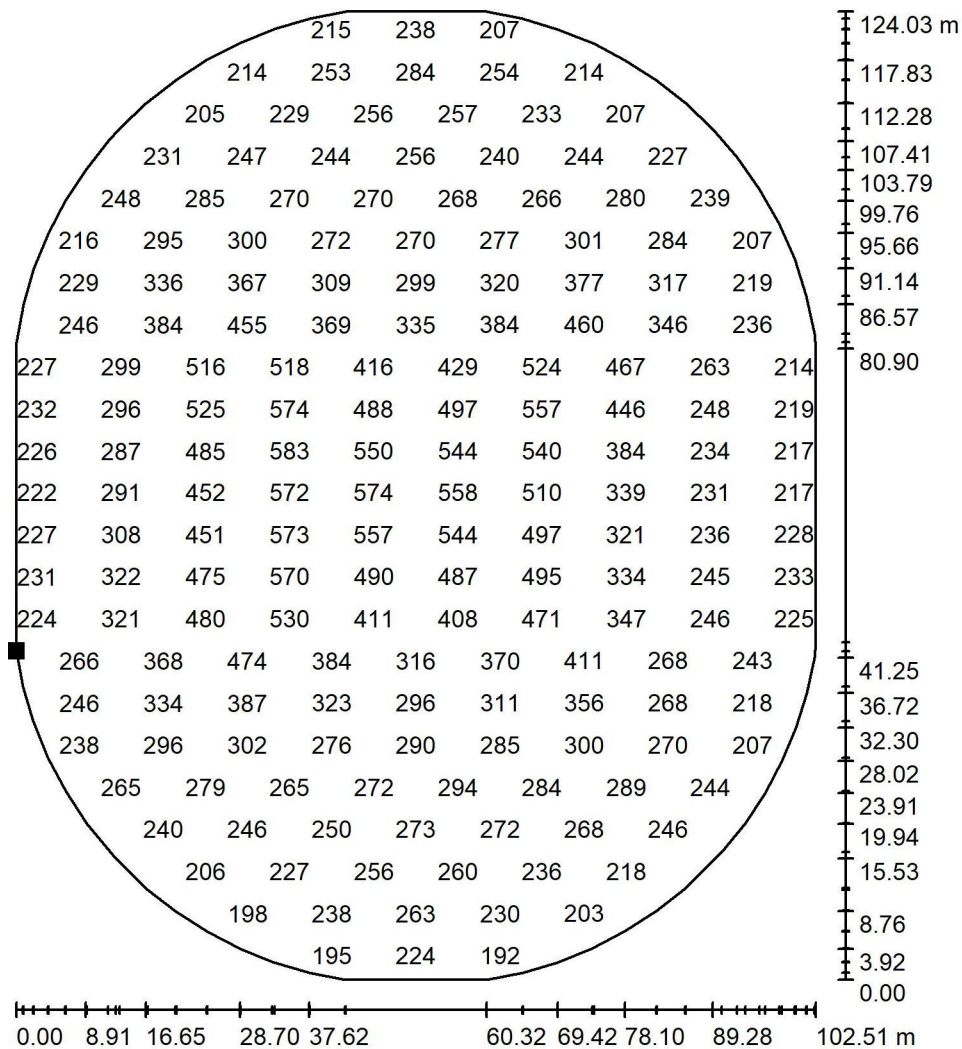
u_0
0.527

E_{min} / E_{max}
0.287



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Exterior Scene 1 / Extrusion Volume / Surface 1 / Value Chart (E)



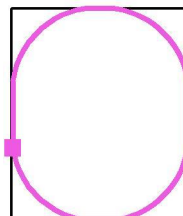
Values in Lux, Scale 1 : 970

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(-51.050 m, -19.883 m, 0.010 m)



Grid: 19 x 23 Points

E_{av} [lx]
318

E_{min} [lx]
168

E_{max} [lx]
586

u_0
0.527

E_{min} / E_{max}
0.287