

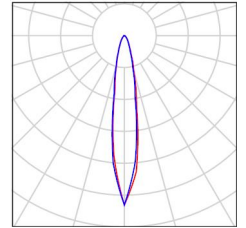


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football field / Luminaire parts list

32 Pieces FL960L 20D
Article No.:
Luminous flux (Luminaire): 130008 lm
Luminous flux (Lamps): 130586 lm
Luminaire Wattage: 960.0 W
Luminaire classification according to CIE: 100
CIE flux code: 89 97 99 100 101
Fitting: 1 x LED (Correction Factor 1.000).

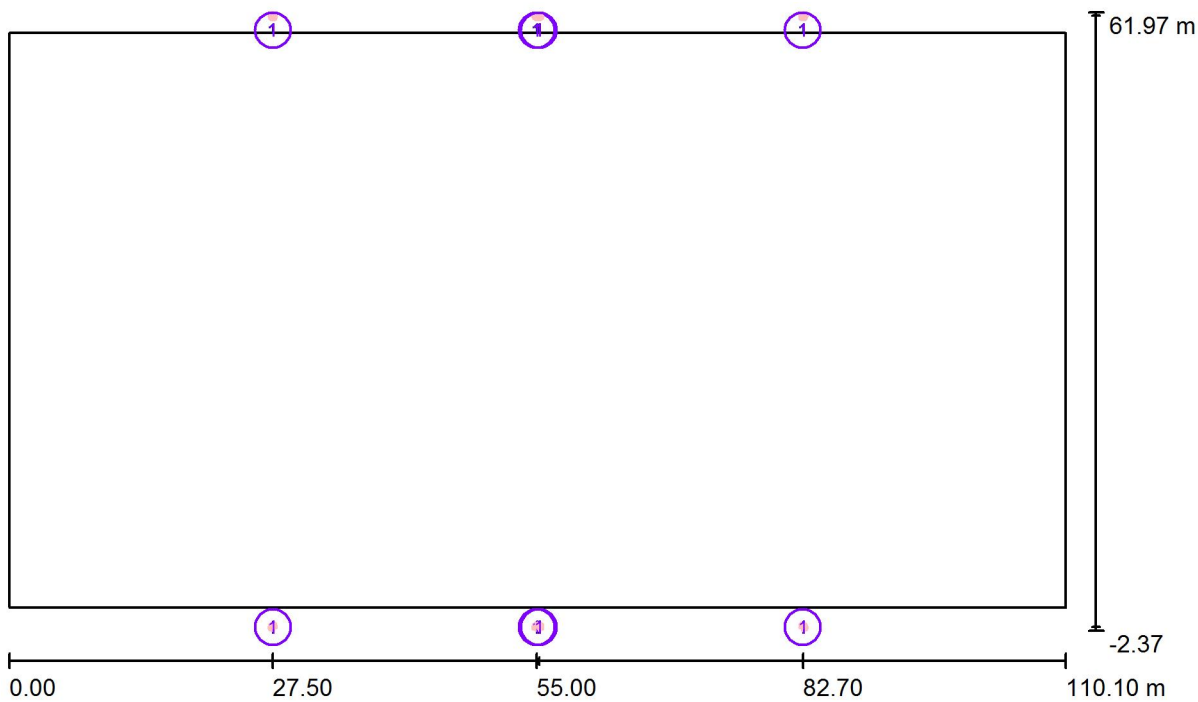
See our luminaire
catalog for an image of
the luminaire.





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football field / Luminaires (layout plan)



Scale 1 : 788

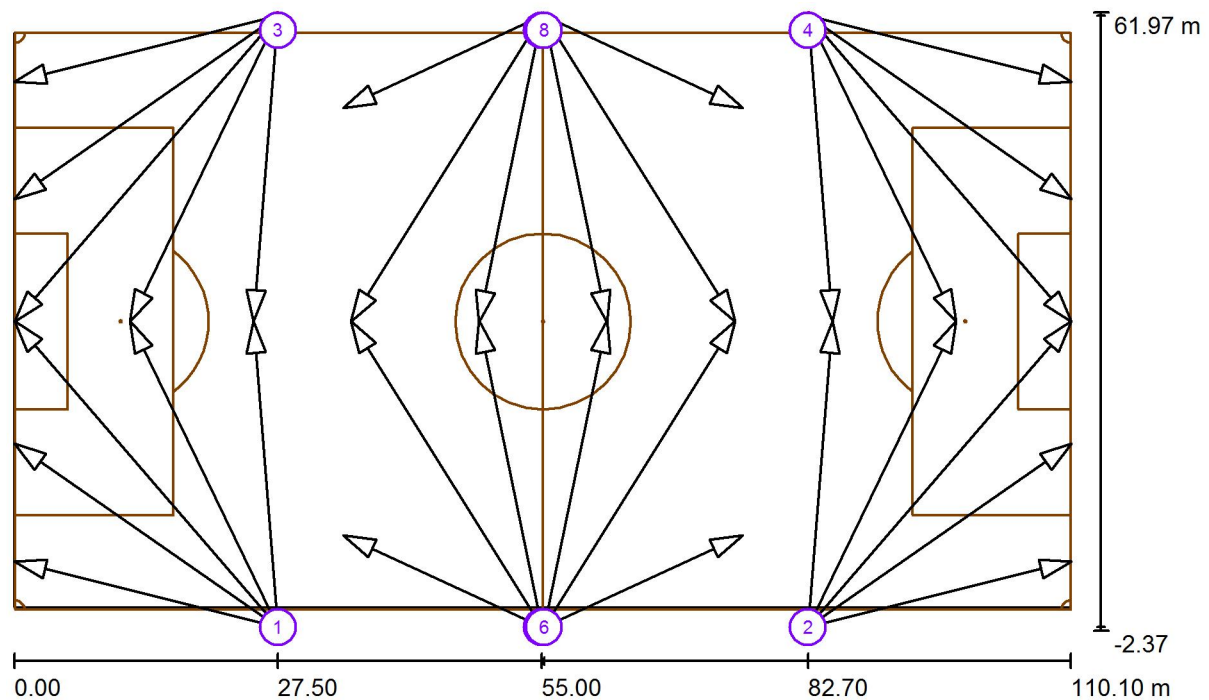
Luminaire Parts List

No.	Pieces	Designation
1	32	FL960L 20D



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football field / Sport Luminaires (Coordinates List)



Scale 1 : 788

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
FL960L 20D	1	27.500	-2.000	12.268	0.000	29.842	0.000	16.3	(C 90, G IMax)	/
FL960L 20D	1	27.500	-2.000	12.268	0.000	17.103	0.000	20.1	(C 90, G IMax)	/
FL960L 20D	1	27.500	-2.000	12.268	12.042	29.842	0.000	19.1	(C 90, G IMax)	/
FL960L 20D	1	27.500	-2.000	12.268	0.000	4.860	0.000	23.4	(C 90, G IMax)	/

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football field / Sport Luminares (Coordinates List)

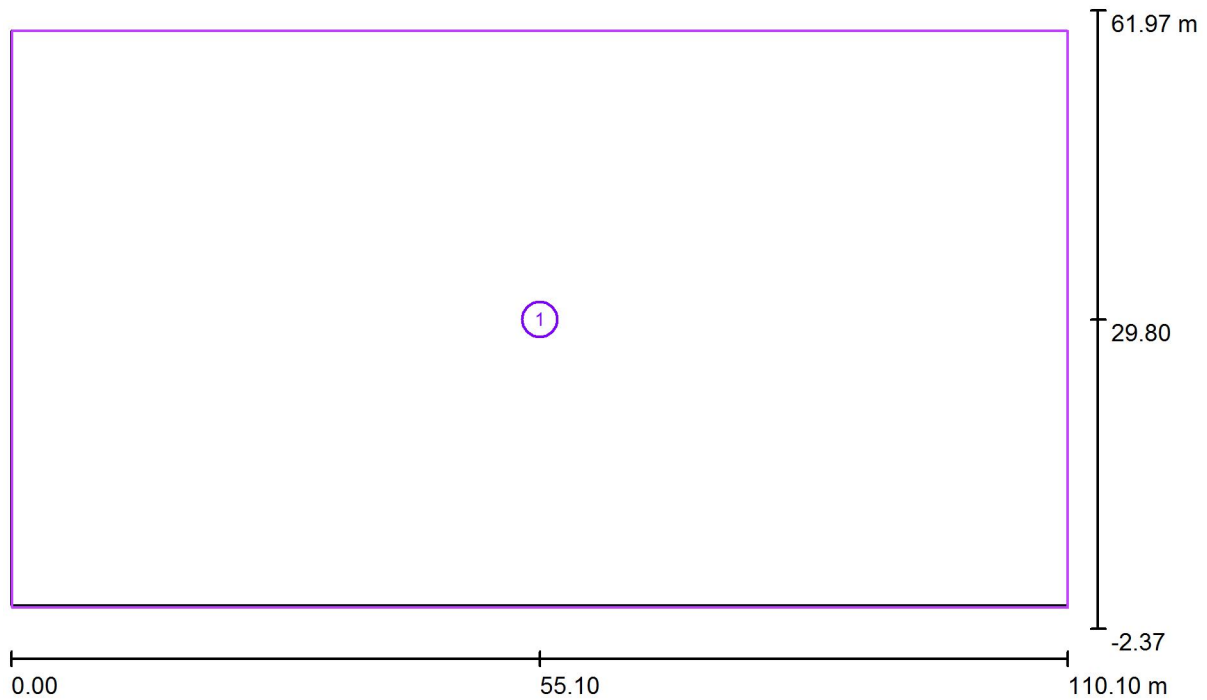
List of the Sport Luminares

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
FL960L 20D	1	27.500	-2.000	12.268	24.930	29.842	0.000	21.0	(C 90, G IMax)	/
FL960L 20D	2	82.700	-2.000	12.268	110.200	29.842	0.000	16.3	(C 90, G IMax)	/
FL960L 20D	2	82.700	-2.000	12.268	110.200	17.103	0.000	20.1	(C 90, G IMax)	/
FL960L 20D	2	82.700	-2.000	12.268	98.158	29.842	0.000	19.1	(C 90, G IMax)	/
FL960L 20D	2	82.700	-2.000	12.268	110.200	4.860	0.000	23.4	(C 90, G IMax)	/
FL960L 20D	2	82.700	-2.000	12.268	85.270	29.842	0.000	21.0	(C 90, G IMax)	/
FL960L 20D	3	27.500	61.600	12.268	0.000	29.758	0.000	16.3	(C 90, G IMax)	/
FL960L 20D	3	27.500	61.600	12.268	0.000	42.497	0.000	20.1	(C 90, G IMax)	/
FL960L 20D	3	27.500	61.600	12.268	12.042	29.758	0.000	19.1	(C 90, G IMax)	/
FL960L 20D	3	27.500	61.600	12.268	0.000	54.740	0.000	23.4	(C 90, G IMax)	/
FL960L 20D	3	27.500	61.600	12.268	24.930	29.758	0.000	21.0	(C 90, G IMax)	/
FL960L 20D	4	82.700	61.600	12.268	110.200	29.758	0.000	16.3	(C 90, G IMax)	/
FL960L 20D	4	82.700	61.600	12.268	110.200	42.497	0.000	20.1	(C 90, G IMax)	/
FL960L 20D	4	82.700	61.600	12.268	98.158	29.758	0.000	19.1	(C 90, G IMax)	/
FL960L 20D	4	82.700	61.600	12.268	110.200	54.740	0.000	23.4	(C 90, G IMax)	/
FL960L 20D	4	82.700	61.600	12.268	85.270	29.758	0.000	21.0	(C 90, G IMax)	/
FL960L 20D	5	55.000	-2.000	12.268	35.057	29.842	0.000	18.1	(C 90, G IMax)	/
FL960L 20D	5	55.000	-2.000	12.268	34.300	7.579	0.000	28.3	(C 90, G IMax)	/
FL960L 20D	5	55.000	-2.000	12.268	48.397	29.900	0.000	20.6	(C 90, G IMax)	/
FL960L 20D	6	55.200	-2.000	12.268	75.143	29.842	0.000	18.1	(C 90, G IMax)	/
FL960L 20D	6	55.200	-2.000	12.268	75.900	7.579	0.000	28.3	(C 90, G IMax)	/
FL960L 20D	6	55.200	-2.000	12.268	61.803	29.900	0.000	20.6	(C 90, G IMax)	/
FL960L 20D	7	55.000	61.600	12.268	35.057	29.758	0.000	18.1	(C 90, G IMax)	/
FL960L 20D	7	55.000	61.600	12.268	34.300	52.021	0.000	28.3	(C 90, G IMax)	/
FL960L 20D	7	55.000	61.600	12.268	48.397	29.700	0.000	20.6	(C 90, G IMax)	/
FL960L 20D	8	55.200	61.600	12.268	75.143	29.758	0.000	18.1	(C 90, G IMax)	/
FL960L 20D	8	55.200	61.600	12.268	75.900	52.021	0.000	28.3	(C 90, G IMax)	/
FL960L 20D	8	55.200	61.600	12.268	61.803	29.700	0.000	20.6	(C 90, G IMax)	/



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football field / Calculation Grid (Coordinates List)



Scale 1 : 788

List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
1	football field(TA)	55.100	29.800	0.000	110.000	60.000	0.0	0.0	0.0



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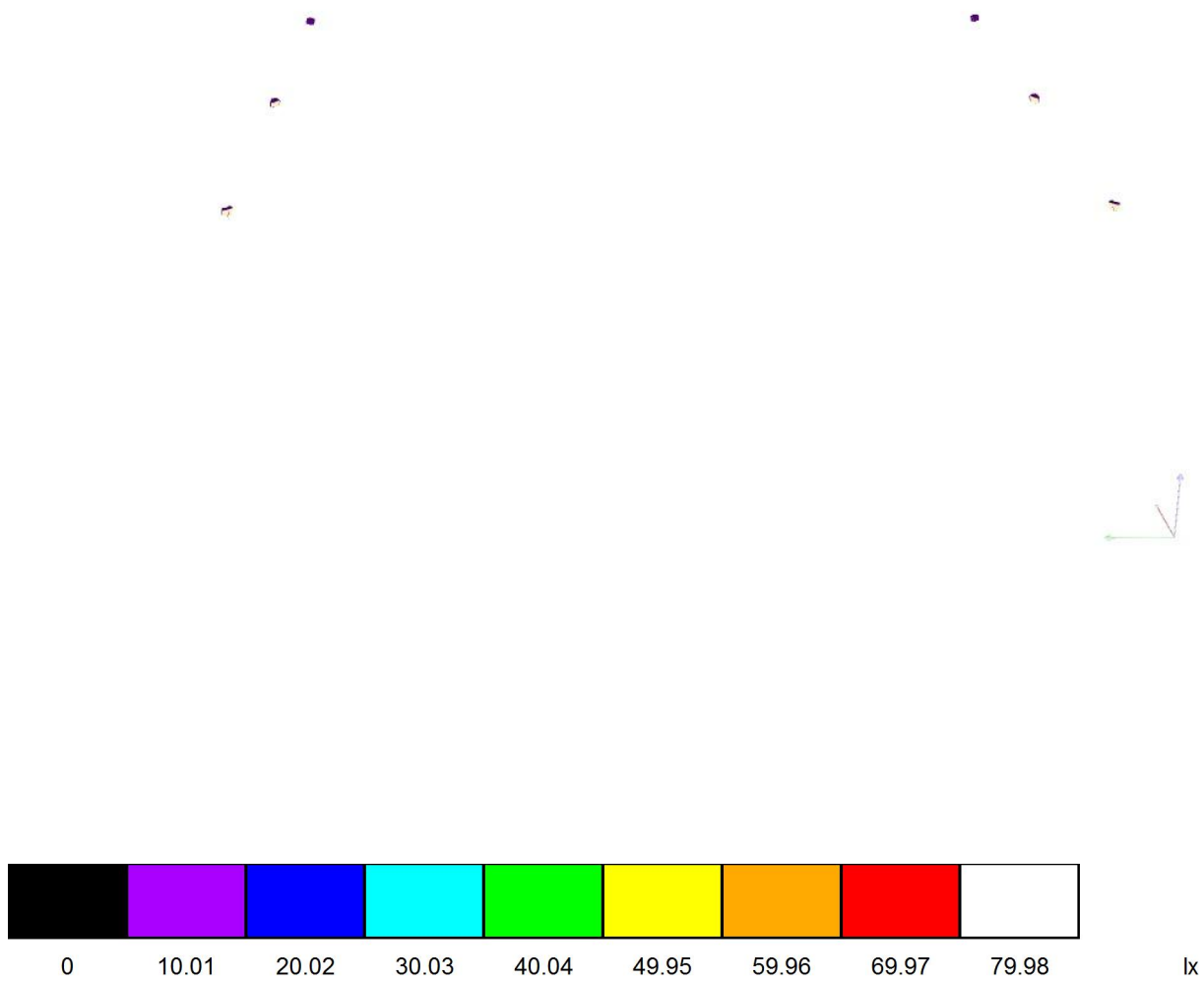
football field / 3D Rendering





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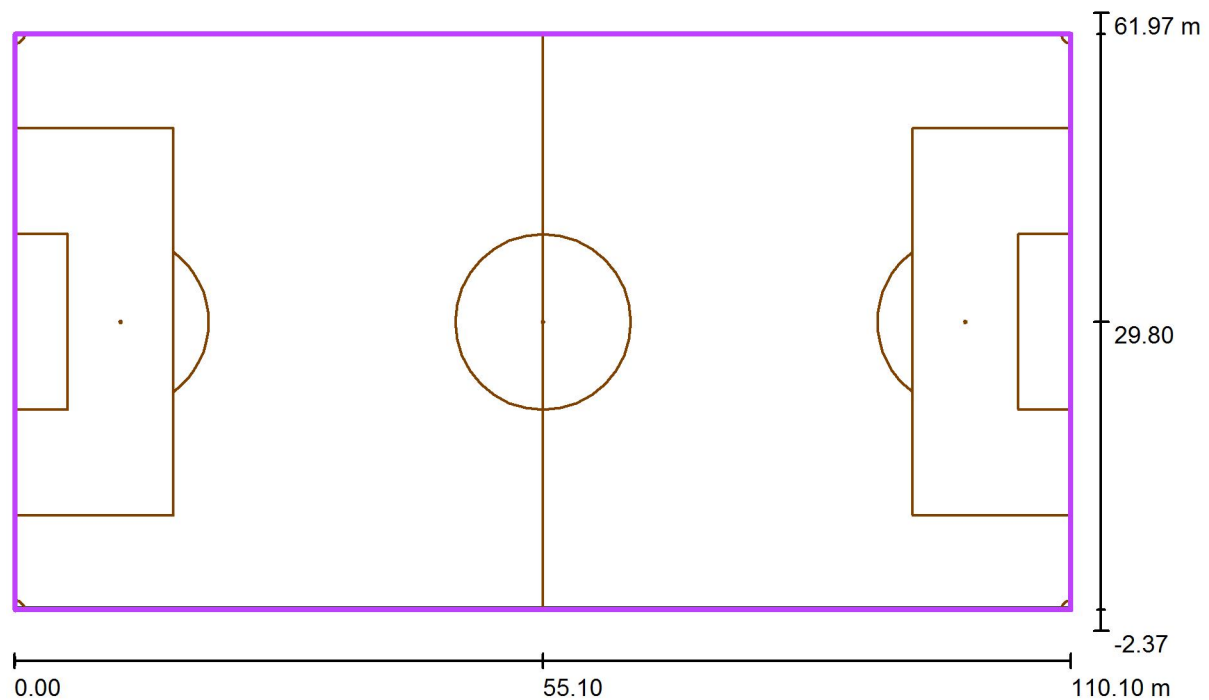
football field / False Color Rendering





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football field / football field(TA) / Summary



Scale 1 : 788

Position: (55.100 m, 29.800 m, 0.000 m)
Size: (110.000 m, 60.000 m)
Rotation: (0.0°, 0.0°, 0.0°)
Type: Normal, Grid: 21 x 11 Points
Belongs to the following sport arena: football field

Results overview

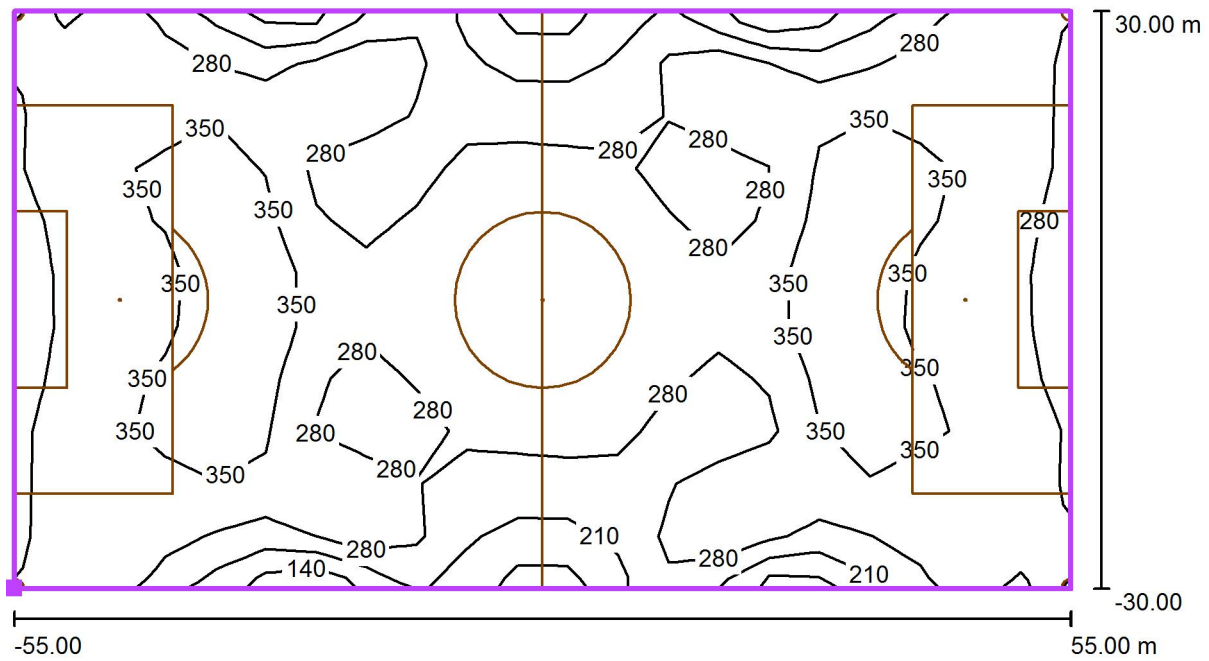
No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	305	125	468	0.41	0.27	/	0.000	/

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



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football field / football field(TA) / Isolines (E, Perpendicular)



Values in Lux, Scale 1 : 787

Position of surface in external scene:
Marked point: (0.100 m, -0.200 m,
0.000 m)



Grid: 21 x 11 Points

E_{av} [lx]
305

E_{min} [lx]
125

E_{max} [lx]
468

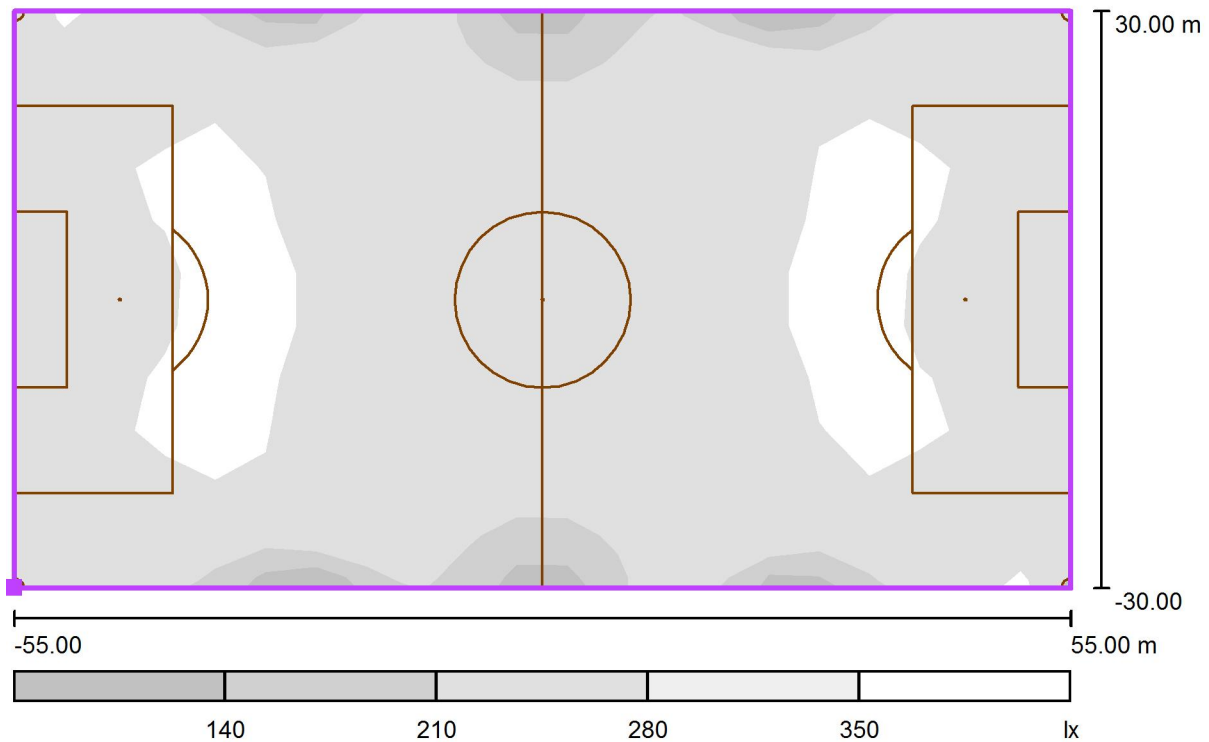
u_0
0.41

E_{min} / E_{max}
0.27



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football field / football field(TA) / Greyscale (E, Perpendicular)



Scale 1 : 787

Position of surface in external scene:
Marked point: (0.100 m, -0.200 m,
0.000 m)



Grid: 21 x 11 Points

E_{av} [lx]
305

E_{min} [lx]
125

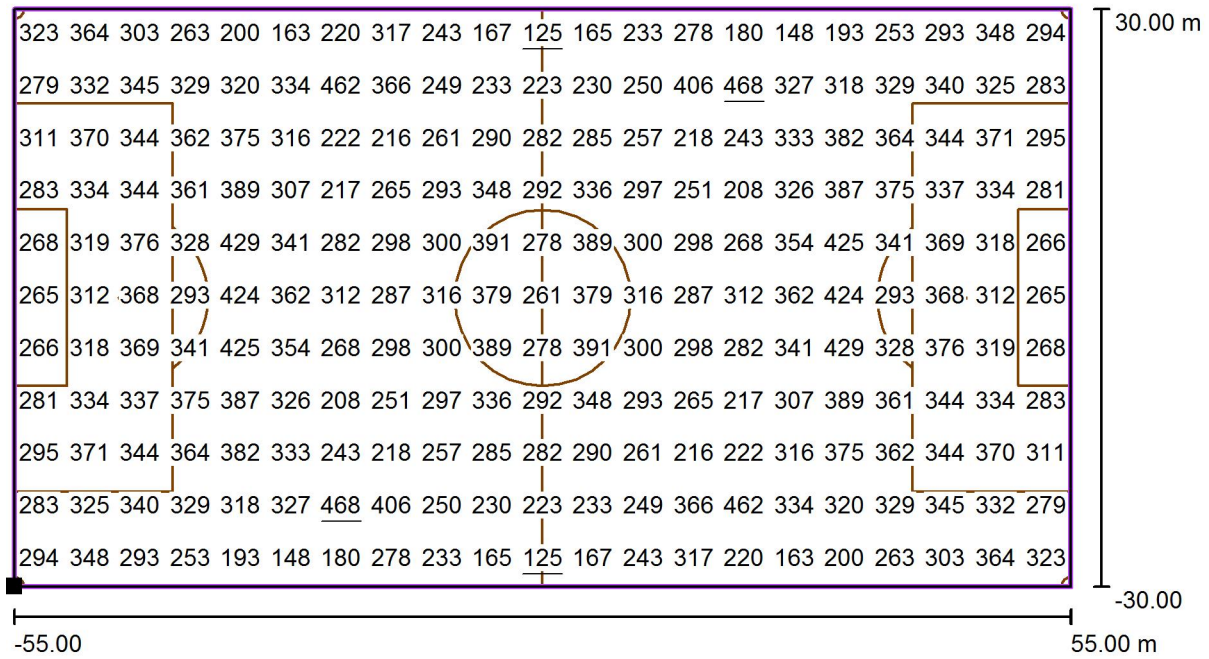
E_{max} [lx]
468

u_0
0.41

E_{min} / E_{max}
0.27

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football field / football field(TA) / Value Chart (E, Perpendicular)



Position of surface in external scene:

Marked point: (0.100 m, -0.200 m, 0.000 m)



Grid: 21 x 11 Points

E_{av} [lx]
305

E_{min} [lx]
125

E_{max} [lx]
468

u_0
0.41

E_{min} / E_{max}
0.27