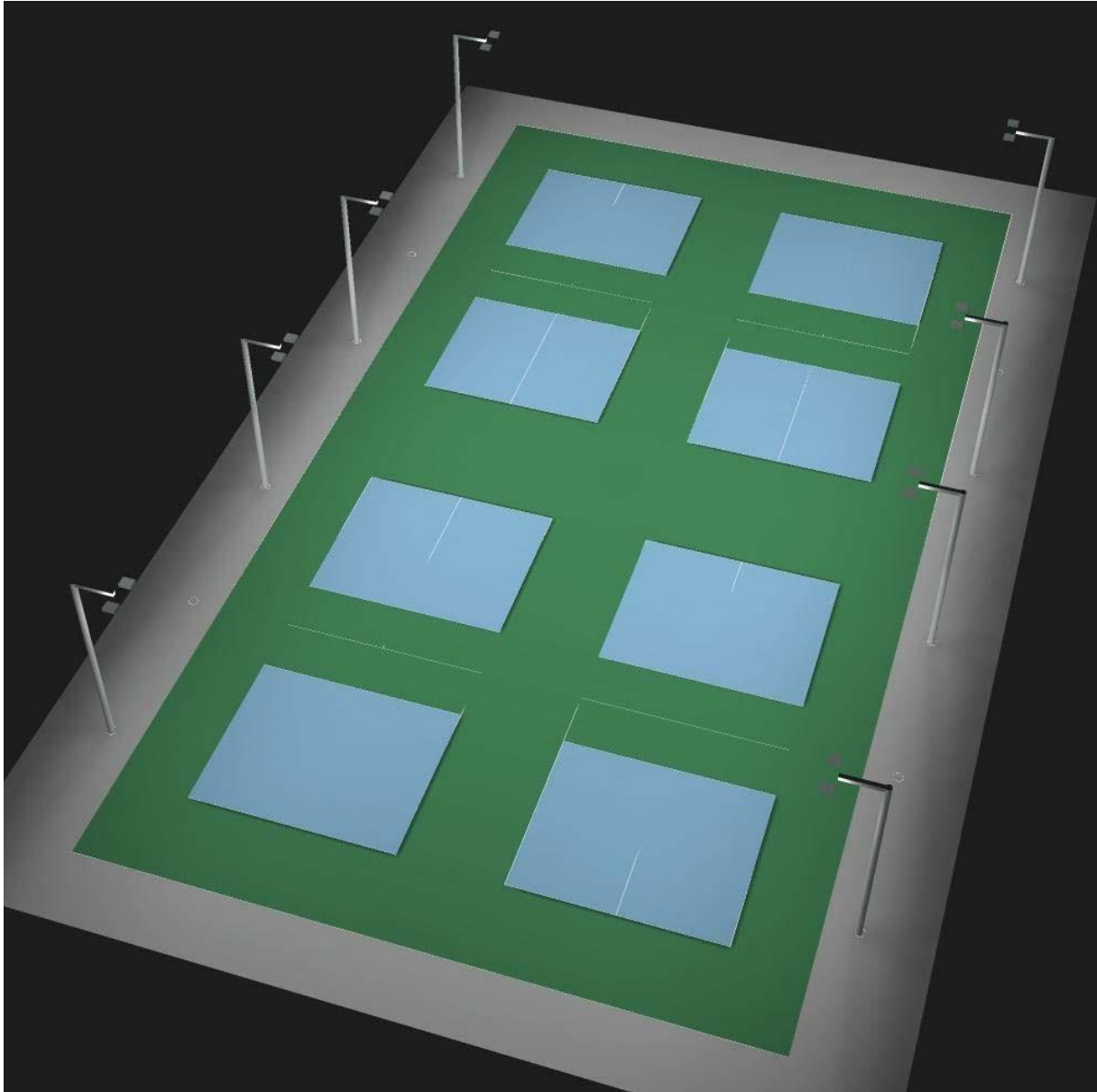




Pickleball Court Lighting - 4 Courts, 8 Poles, 16 Luminaires



This photometric report will be generated using methods recommended by the Illuminating Engineering Society of North America (IESNA). The calculations in this report will be based on data provided by a third party. The accuracy of this photometric report is dependent on the accuracy of the data provided. End user environment and application including, but not limited to voltage variation and dirt accumulation can cause actual photometric performance to differ from the performance calculated using the data provided. This report will be provided without warranty as to accuracy, completeness, reliability, or otherwise. In no event will Access Fixtures be responsible for any loss resulting from any use of this report.



Table of contents

Pickleball Court lighting ZM-2018-000628

Project Cover	1
Table of contents	2
Luminaire parts list	3
AF72XFLB240-T4M1 240W Backlight shielding	
Luminaire Data Sheet	4
Exterior Scene 1	
Planning data	5
Luminaires (layout plan)	6
Luminaires (coordinates list)	7
Calculation surfaces (results overview)	8
3D Rendering	9
False Color Rendering	10
Exterior Surfaces	
Calculation Surface 1	
Value Chart (E, Perpendicular)	11
Calculation Surface 1	
Value Chart (E, Perpendicular)	12
Calculation Surface 1	
Value Chart (E, Perpendicular)	13
Calculation Surface 1	
Value Chart (E, Perpendicular)	14

Pickleball Court lighting ZM-2018-000628 / Luminaire parts list

16 Pieces AF72XFLB240-T4M1 240W Backlight
shielding

Article No.:

Luminous flux (Luminaire): 25544 lm

Luminous flux (Lamps): 25777 lm

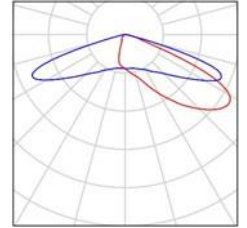
Luminaire Wattage: 232.9 W

Luminaire classification according to CIE: 100

CIE flux code: 24 61 95 100 99

Fitting: 1 x NICHIA 3535 5000K D340 (Correction
Factor 1.000).

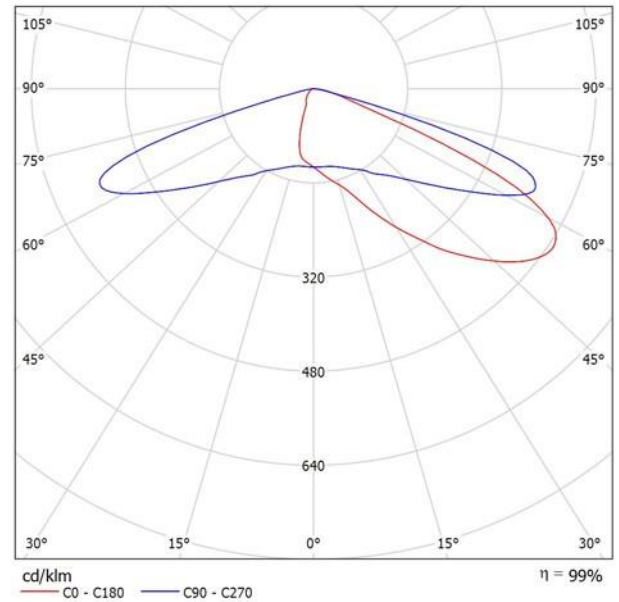
See our luminaire
catalog for an image of
the luminaire.



AF72XFLB240-T4M1 240W Backlight shielding / Luminaire Data Sheet

Luminous emittance 1:

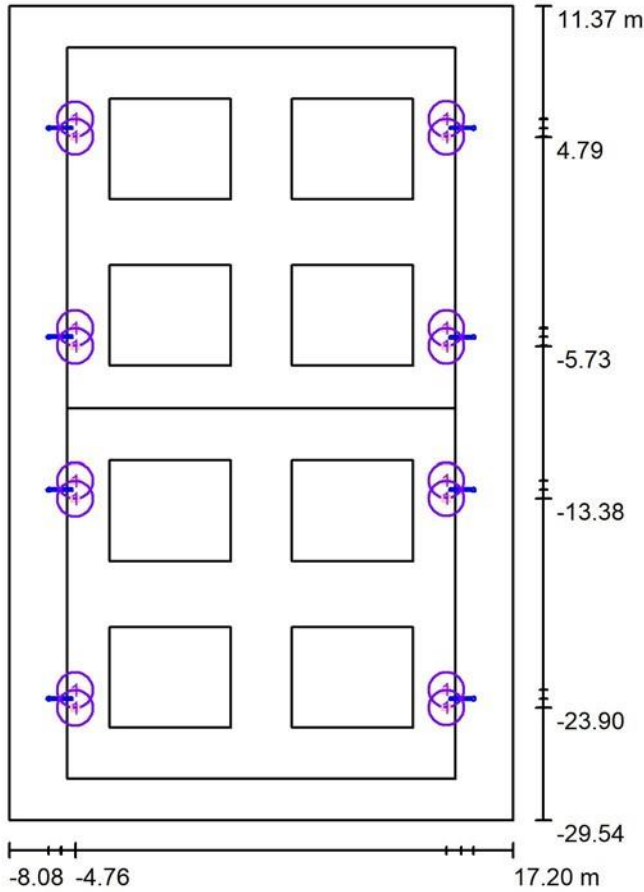
See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 24 61 95 100 99

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

Exterior Scene 1 / Planning data



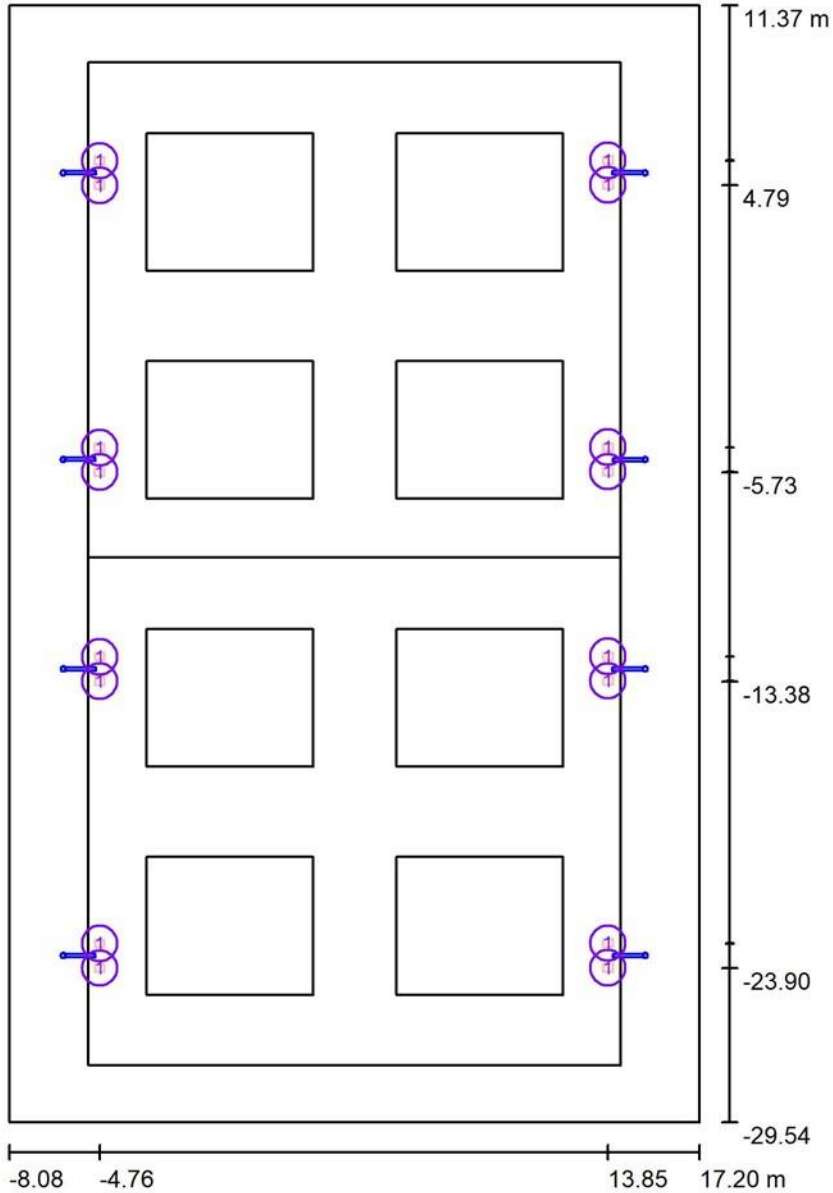
Light loss factor: 0.80, ULR (Upward Light Ratio): 0.0%

Scale 1:380

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	(Luminaire) [lm]	(Lamps) [lm]	P [W]
1	16	AF72XFLB240-T4M1 240W Backlight shielding (1.000)	25544	25777	232.9
Total:			408708	412432	3726.4

Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 277

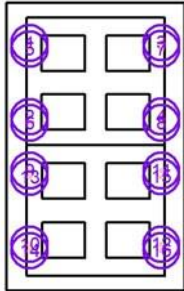
Luminaire Parts List

No.	Pieces	Designation
1	16	AF72XFLB240-T4M1 240W Backlight shielding

Exterior Scene 1 / Luminaires (coordinates list)

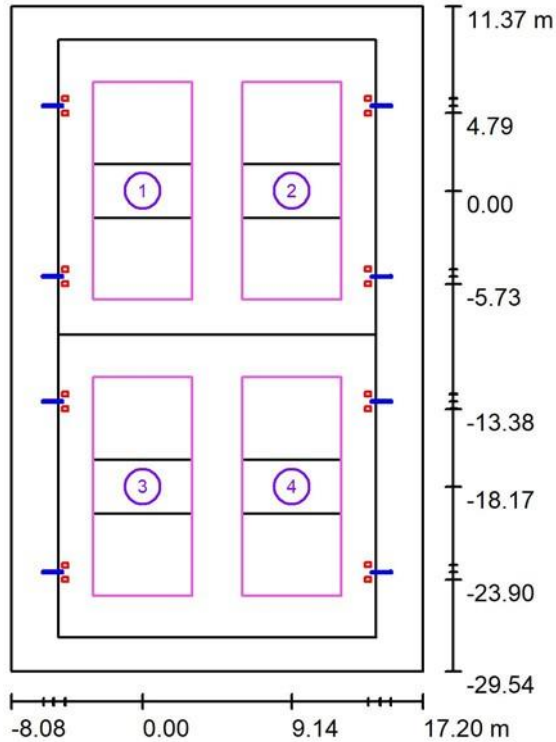
AF72XFLB240-T4M1 240W Backlight shielding

25544 lm, 232.9 W, 1 x 1 x NICHIA 3535 5000K D340 (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-4.763	5.688	6.096	0.0	0.0	0.0
2	-4.763	-4.831	6.096	0.0	0.0	0.0
3	13.845	5.701	6.096	0.0	0.0	180.0
4	13.845	-4.818	6.096	0.0	0.0	180.0
5	-4.763	4.788	6.096	0.0	0.0	0.0
6	-4.763	-5.731	6.096	0.0	0.0	0.0
7	13.845	4.801	6.096	0.0	0.0	180.0
8	13.845	-5.718	6.096	0.0	0.0	180.0
9	-4.762	-12.478	6.096	0.0	0.0	0.0
10	-4.762	-22.997	6.096	0.0	0.0	0.0
11	13.847	-12.465	6.096	0.0	0.0	180.0
12	13.847	-22.984	6.096	0.0	0.0	180.0
13	-4.762	-13.378	6.096	0.0	0.0	0.0
14	-4.762	-23.897	6.096	0.0	0.0	0.0
15	13.847	-13.365	6.096	0.0	0.0	180.0
16	13.847	-23.884	6.096	0.0	0.0	180.0

Exterior Scene 1 / Calculation surfaces (results overview)



Scale 1 : 466

Calculation Surface List

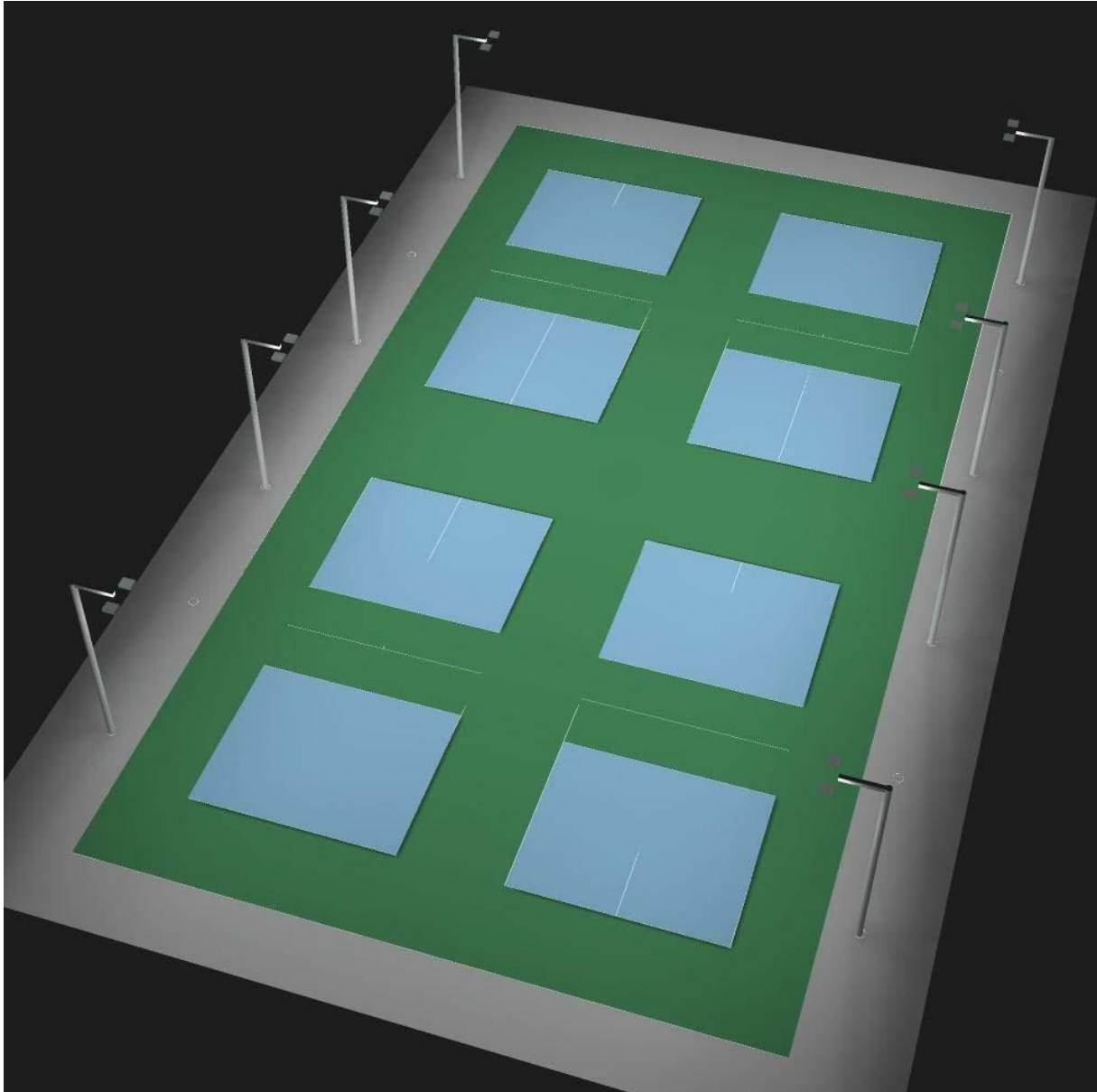
No.	Designation	Type	Grid	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
1	Calculation Surface 1	perpendicular	5 x 11	34	24	44	0.705	0.554
2	Calculation Surface 1	perpendicular	5 x 11	34	24	44	0.700	0.548
3	Calculation Surface 1	perpendicular	5 x 11	34	24	44	0.701	0.548
4	Calculation Surface 1	perpendicular	5 x 11	34	24	44	0.707	0.557

Summary of Results

Type	Quantity	Average [fc]	Min [fc]	Max [fc]	u0	E_{min} / E_{max}
perpendicular	4	34	24	44	0.70	0.55

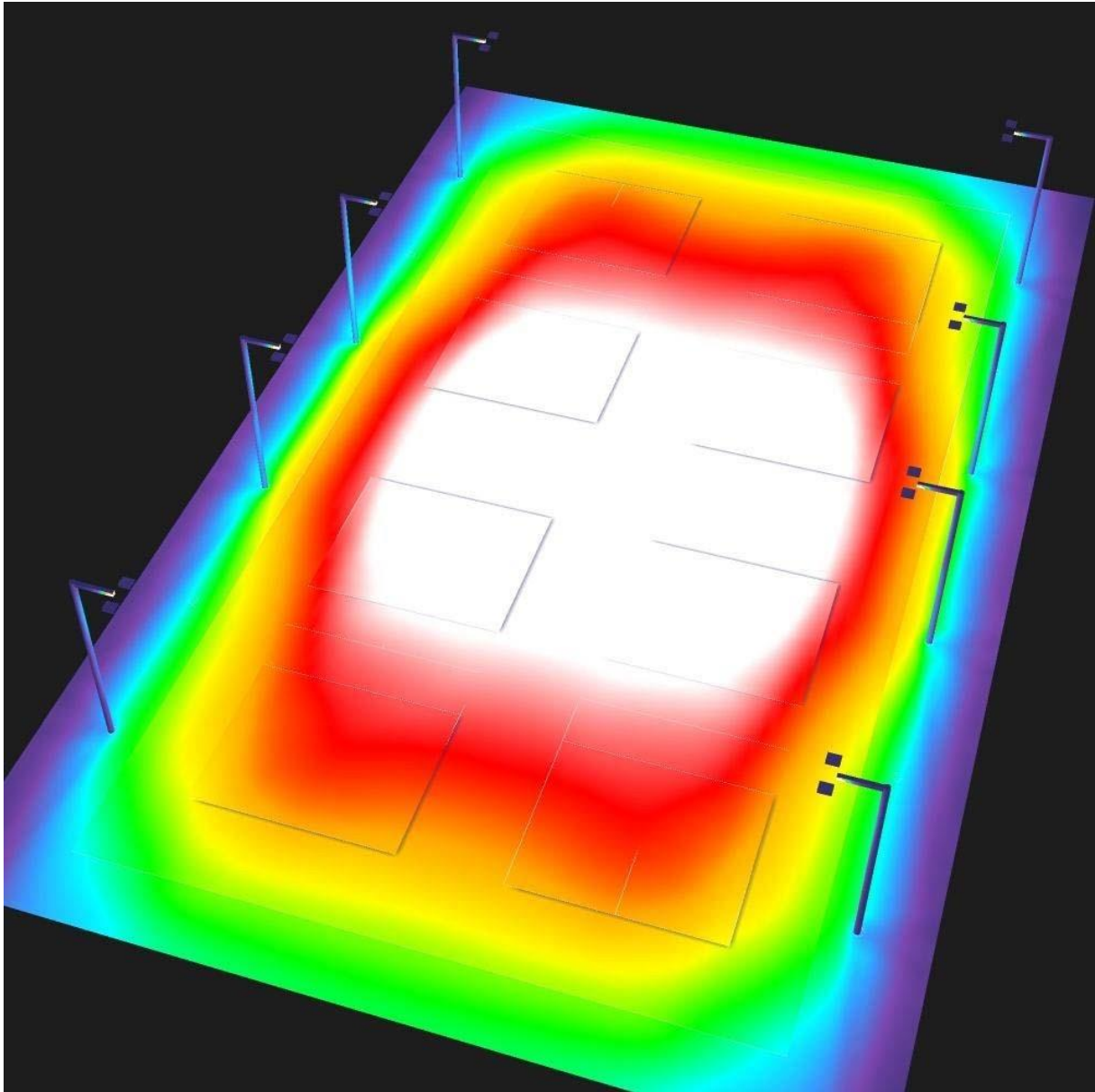


Exterior Scene 1 / 3D Rendering



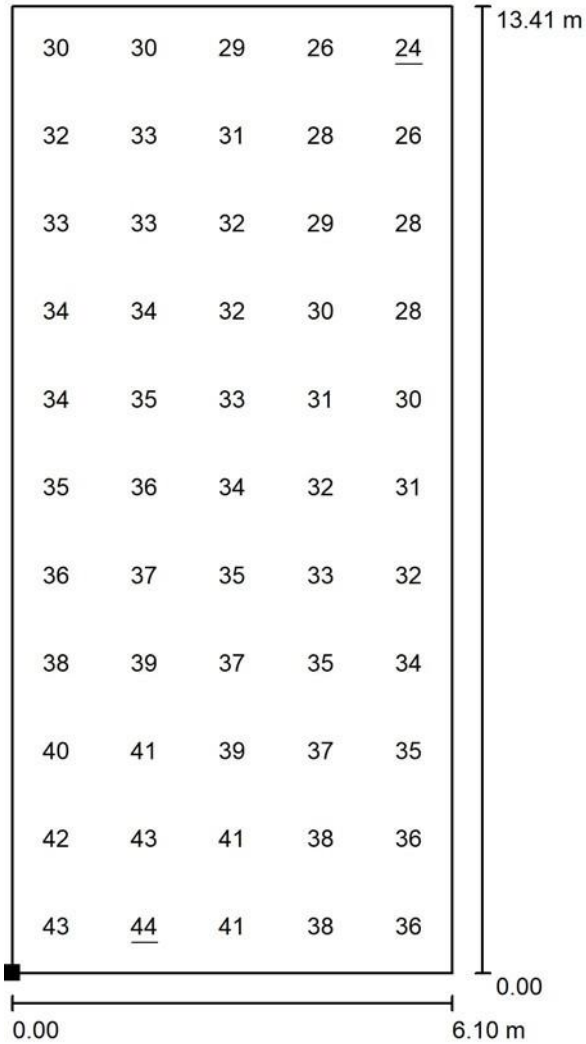


Exterior Scene 1 / False Color Rendering



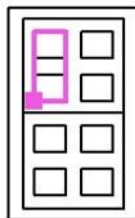
0 4.38 8.75 13.13 17.50 21.88 26.25 30.63 35.00 fc

Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 105

Position of surface in external scene:
Marked point:
(-3.048 m, -6.706 m, 0.914 m)



Grid: 5 x 11 Points

E_{av} [fc]
34

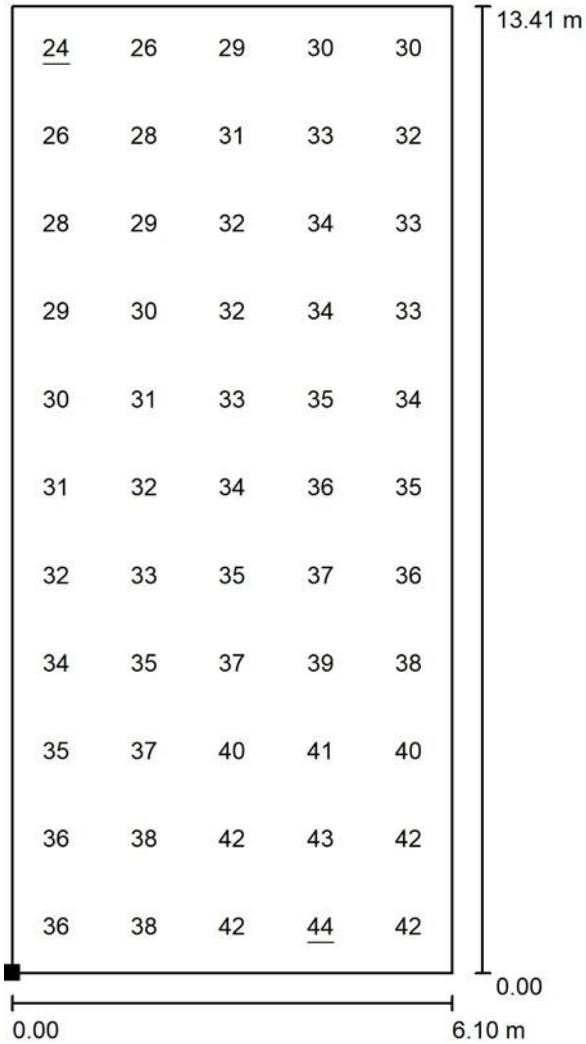
E_{min} [fc]
24

E_{max} [fc]
44

u_0
0.705

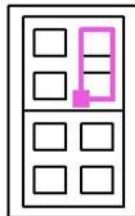
E_{min} / E_{max}
0.554

Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 105

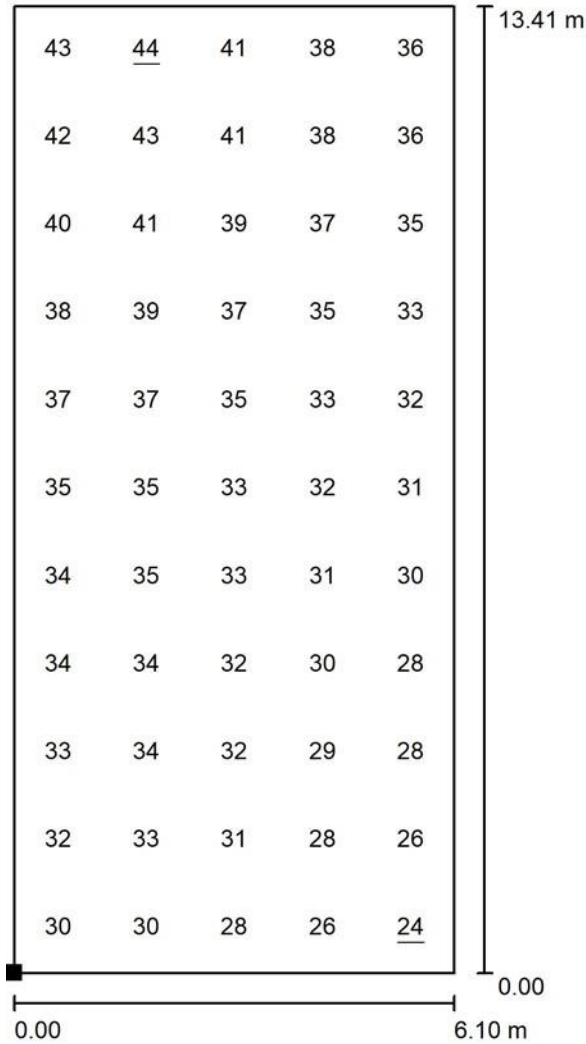
Position of surface in external scene:
Marked point:
(6.096 m, -6.706 m, 0.914 m)



Grid: 5 x 11 Points

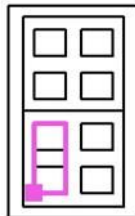
E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
34	24	44	0.700	0.548

Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 105

Position of surface in external scene:
Marked point:
(-3.047 m, -24.872 m, 0.914 m)

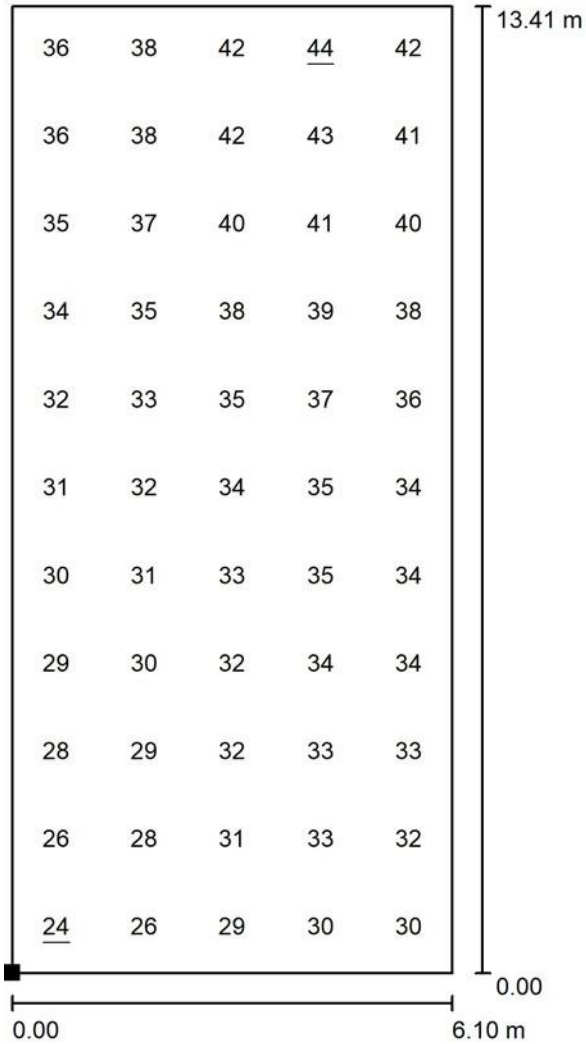


Grid: 5 x 11 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
34	24	44	0.701	0.548

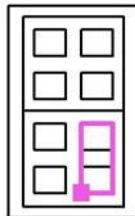


Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 105

Position of surface in external scene:
Marked point:
(6.097 m, -24.872 m, 0.914 m)



Grid: 5 x 11 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
34	24	44	0.707	0.557