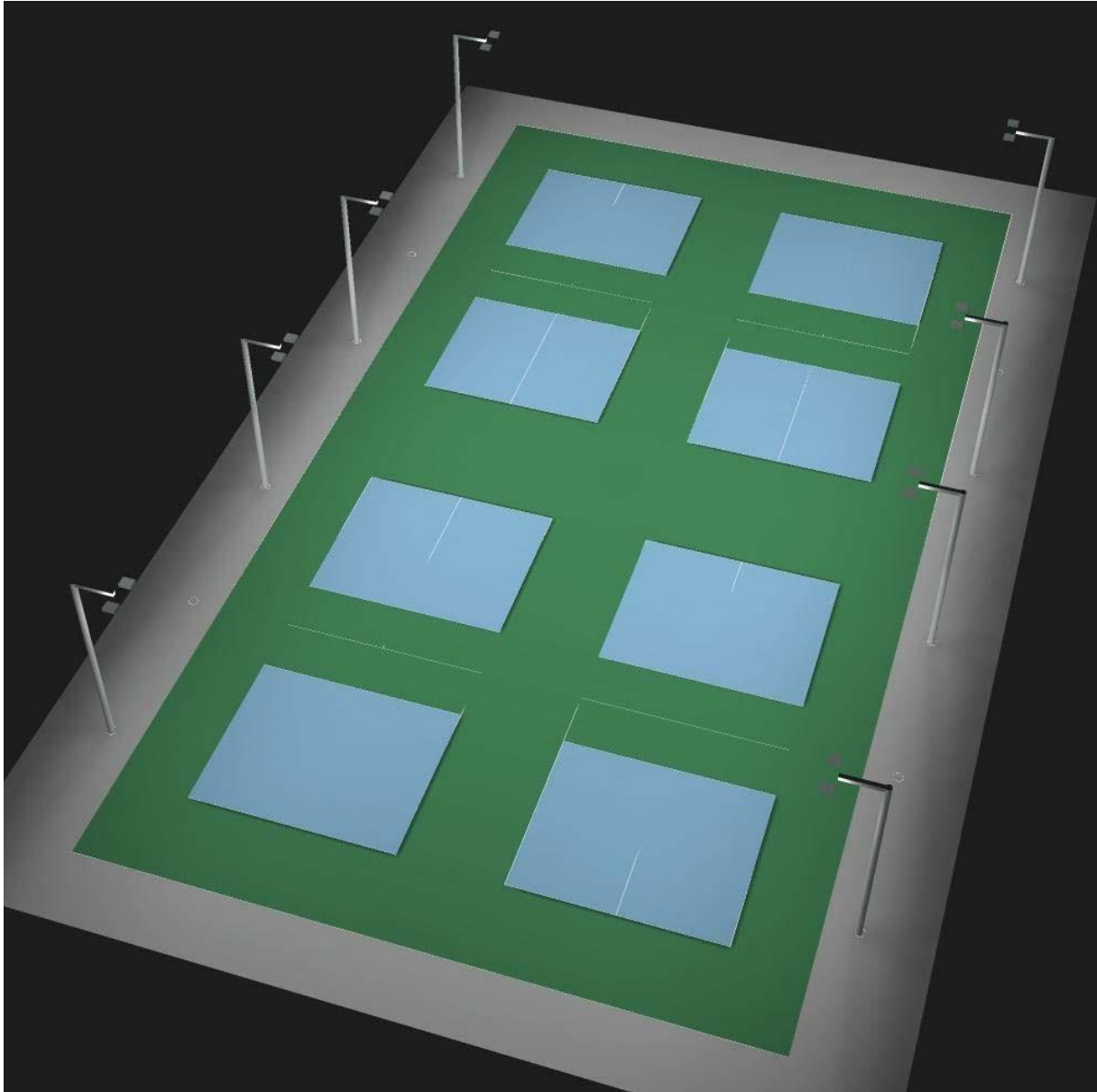


Pickleball Court Lighting - 4 Courts, 8 Poles, 16 Luminaires



The simulation and result is based on an ideal environment, the actual lighting performance may be affected by actual environment. The lighting simulation is for reference only.:



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Pickleball Court lighting ZM-2018-000628

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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

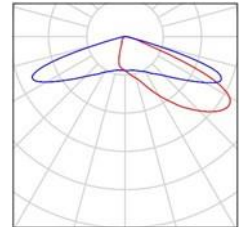
Luminaire Wattage: 232.9 W

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.

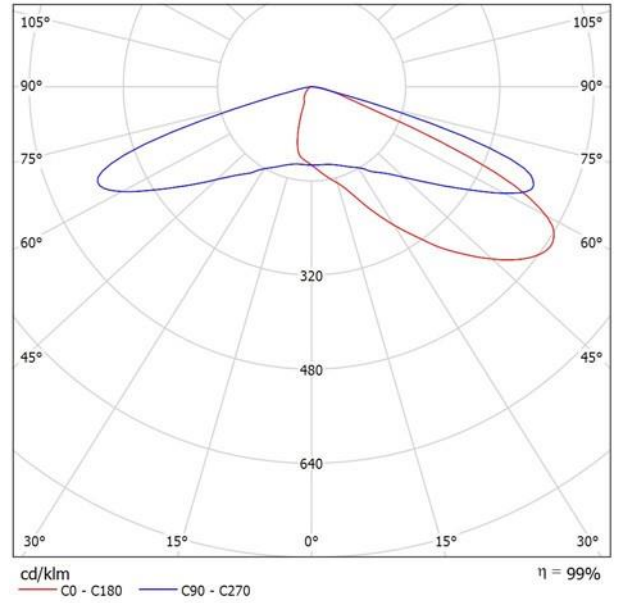




AF72XFLB240-T4M1 240W Backlight shielding / Luminaire Data Sheet

Luminous emittance 1:

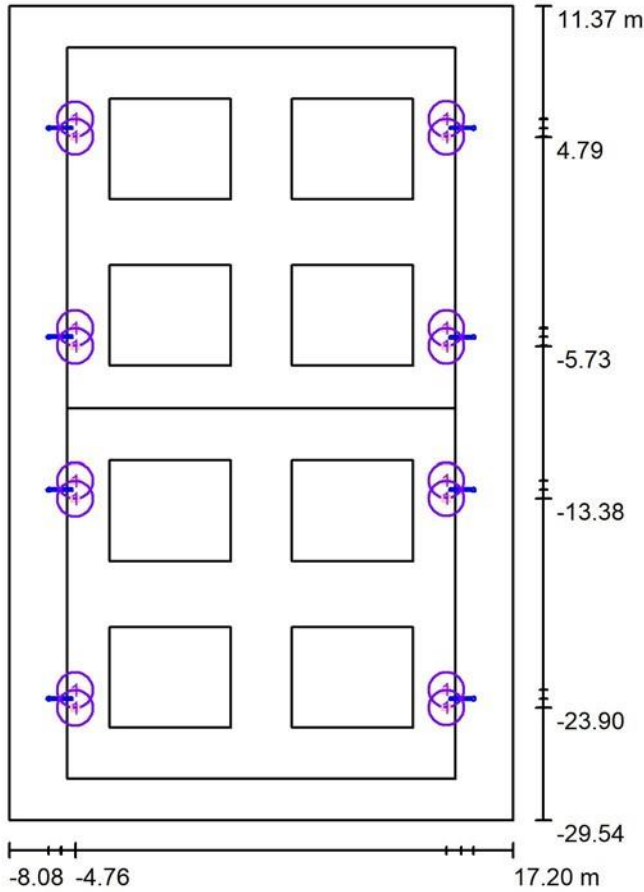
See our luminaire catalog for an image of the luminaire.



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



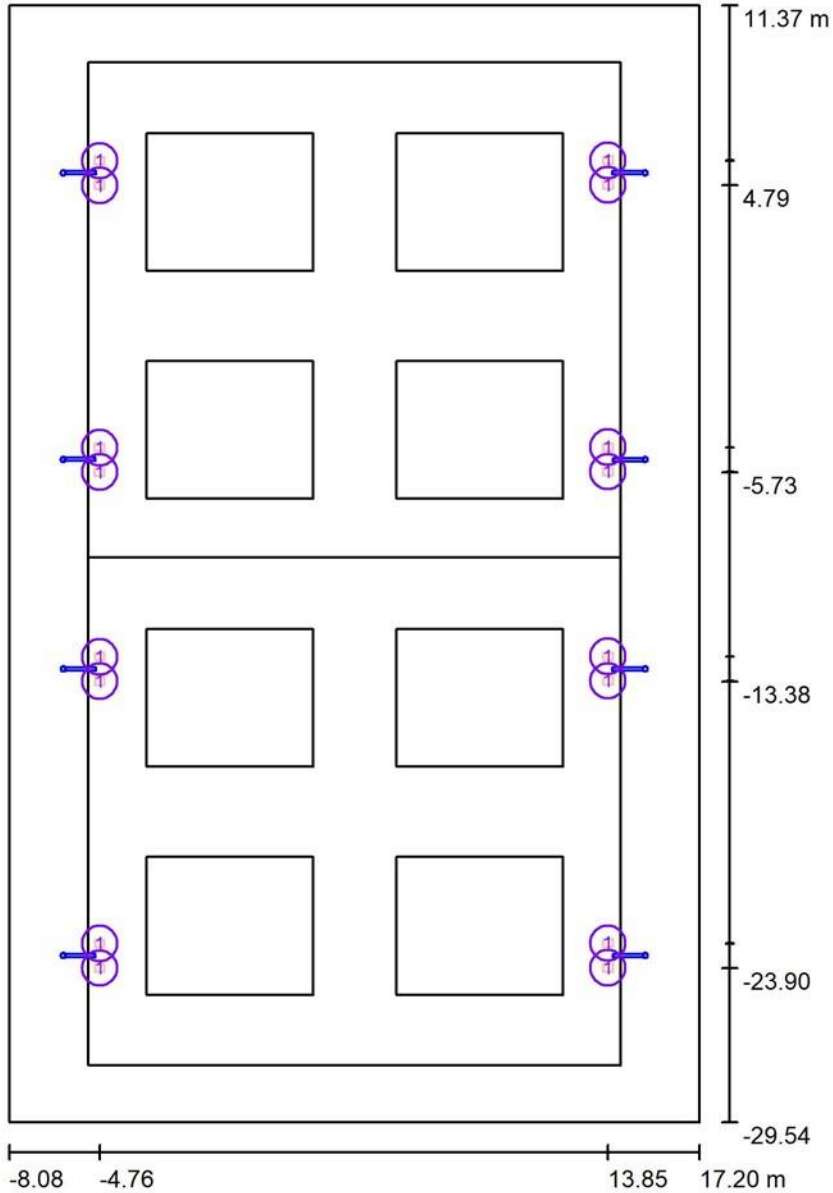
Light loss factor: 0.80, ULR (Upward Light Ratio): 0.0%

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 | Total: 412432 | 3726.4 |

Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 277

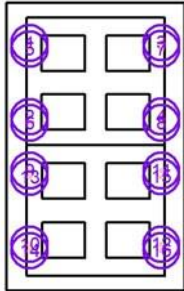
Luminaire Parts List

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

Exterior Scene 1 / Luminaires (coordinates list)

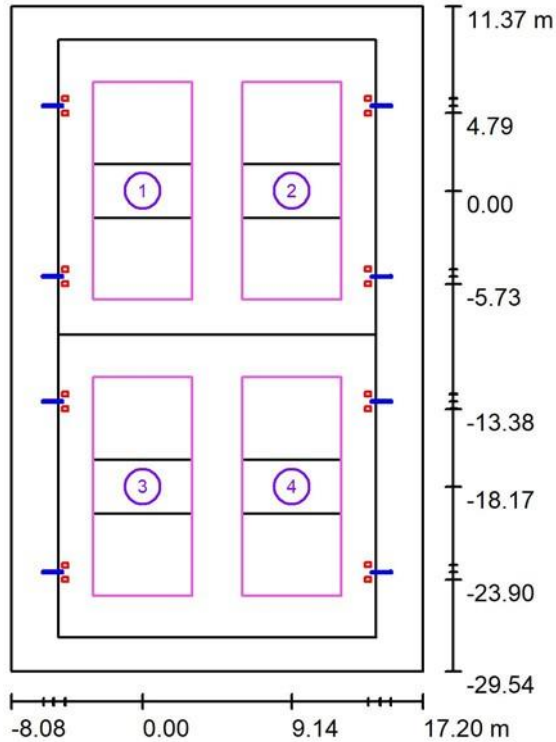
AF72XFLB240-T4M1 240W Backlight shielding

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

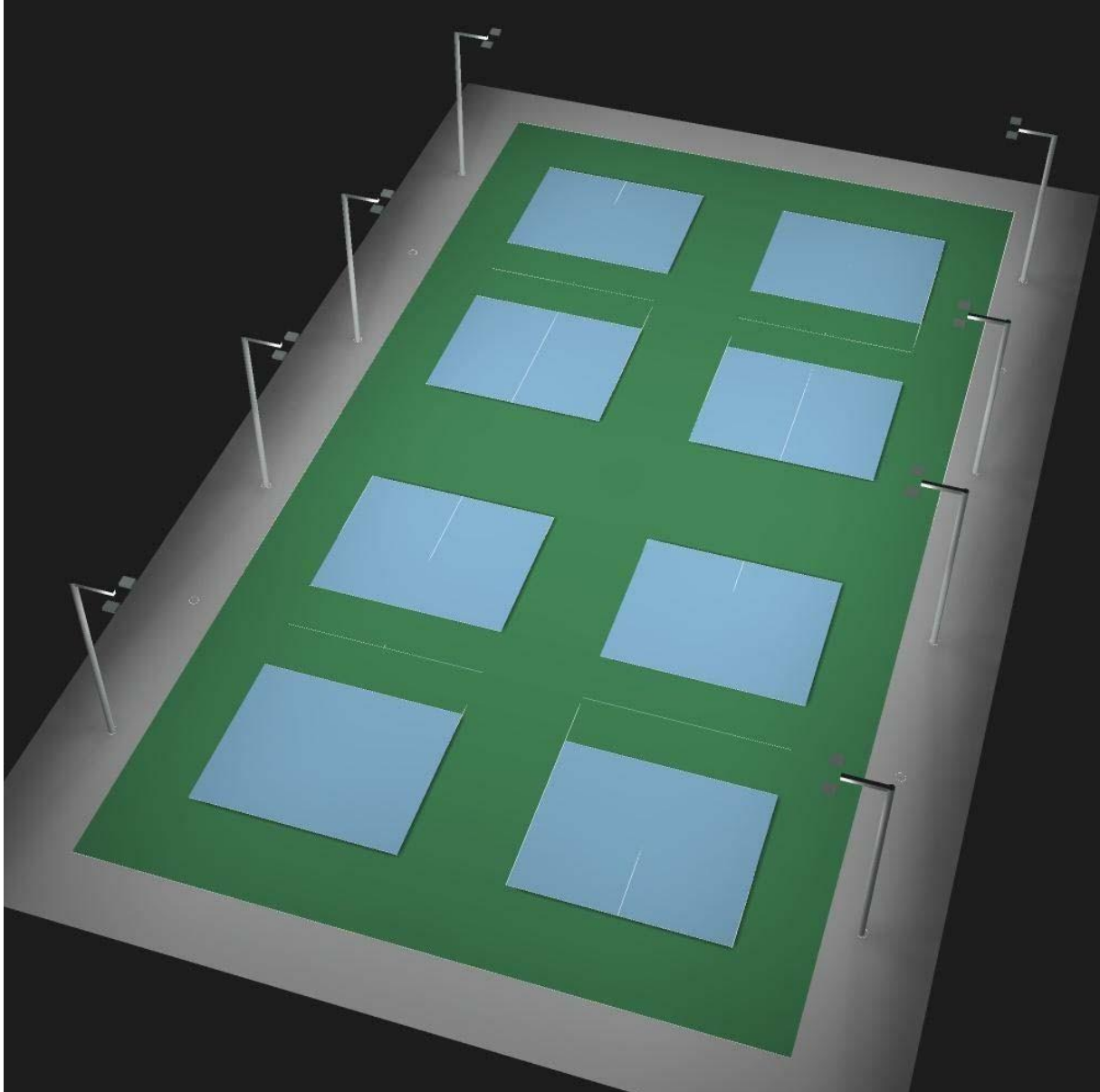
| No. | Designation | Type | Grid | E_{av} [fc] | E_{min} [fc] | E_{max} [fc] | u0 | E_{min} / E_{max} |
|-----|-----------------------|---------------|--------|------------------|-------------------|-------------------|-------|---------------------|
| 1 | Calculation Surface 1 | perpendicular | 5 x 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 |

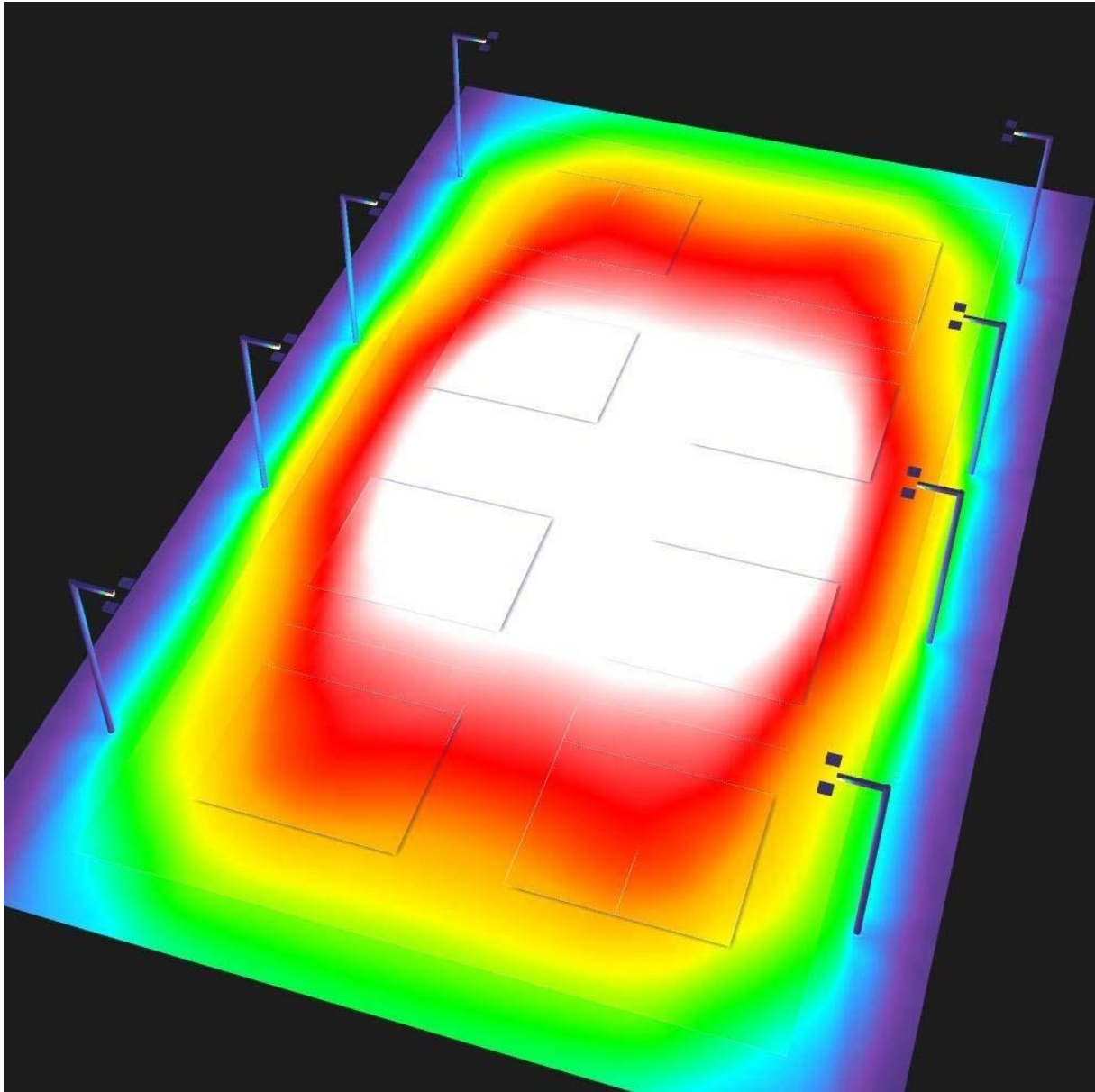


Exterior Scene 1 / 3D Rendering



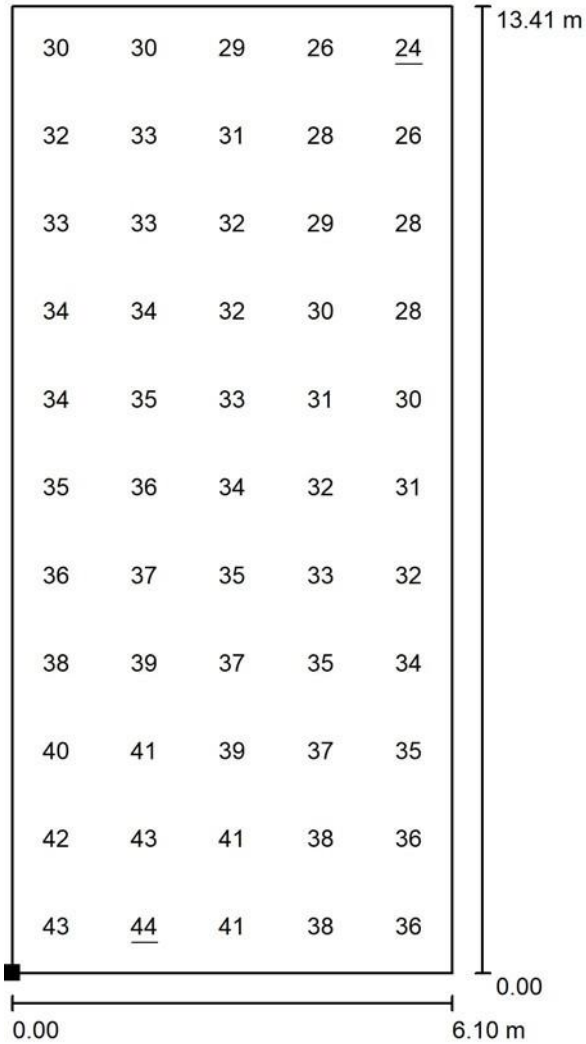


Exterior Scene 1 / False Color Rendering



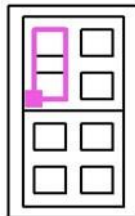
0 4.38 8.75 13.13 17.50 21.88 26.25 30.63 35.00 fc

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



Values in Footcandles, Scale 1 : 105

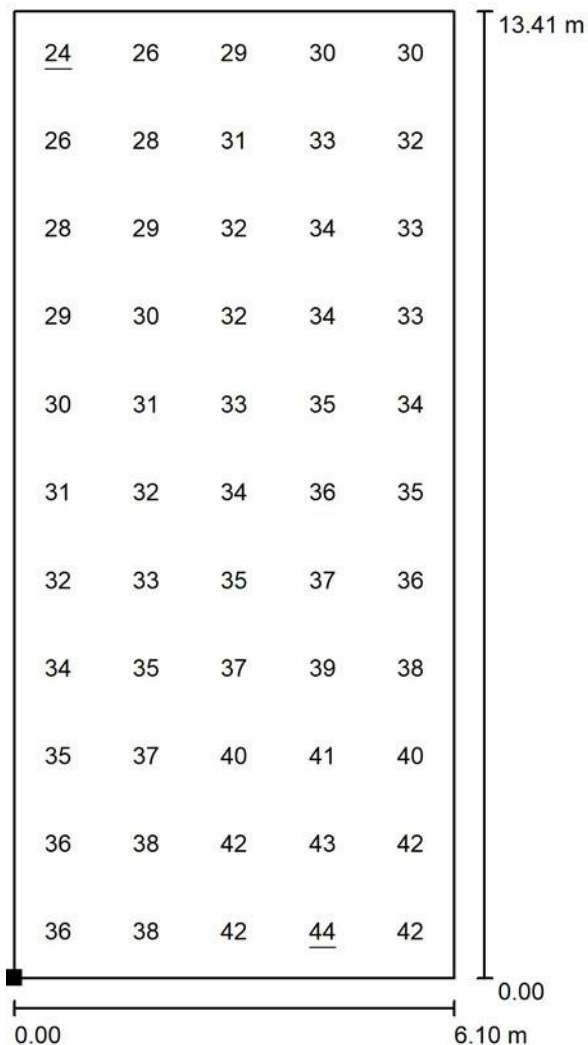
Position of surface in external scene:
Marked point:
(-3.048 m, -6.706 m, 0.914 m)



Grid: 5 x 11 Points

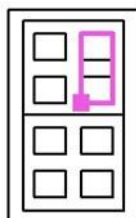
| | | | | |
|---------------|----------------|----------------|-------|---------------------|
| E_{av} [fc] | E_{min} [fc] | E_{max} [fc] | u0 | E_{min} / E_{max} |
| 34 | 24 | 44 | 0.705 | 0.554 |

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



Values in Footcandles, Scale 1 : 105

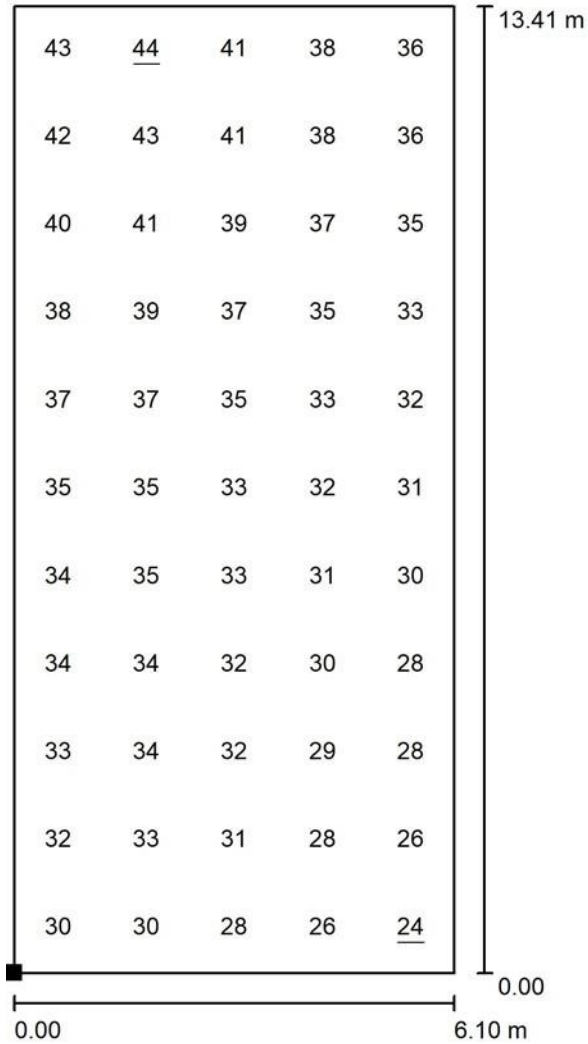
Position of surface in external scene:
Marked point:
(6.096 m, -6.706 m, 0.914 m)



Grid: 5 x 11 Points

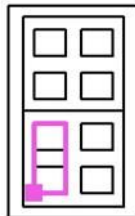
| | | | | |
|---------------|----------------|----------------|-------|---------------------|
| E_{av} [fc] | E_{min} [fc] | E_{max} [fc] | u0 | E_{min} / E_{max} |
| 34 | 24 | 44 | 0.700 | 0.548 |

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]
34

E_{min} [fc]
24

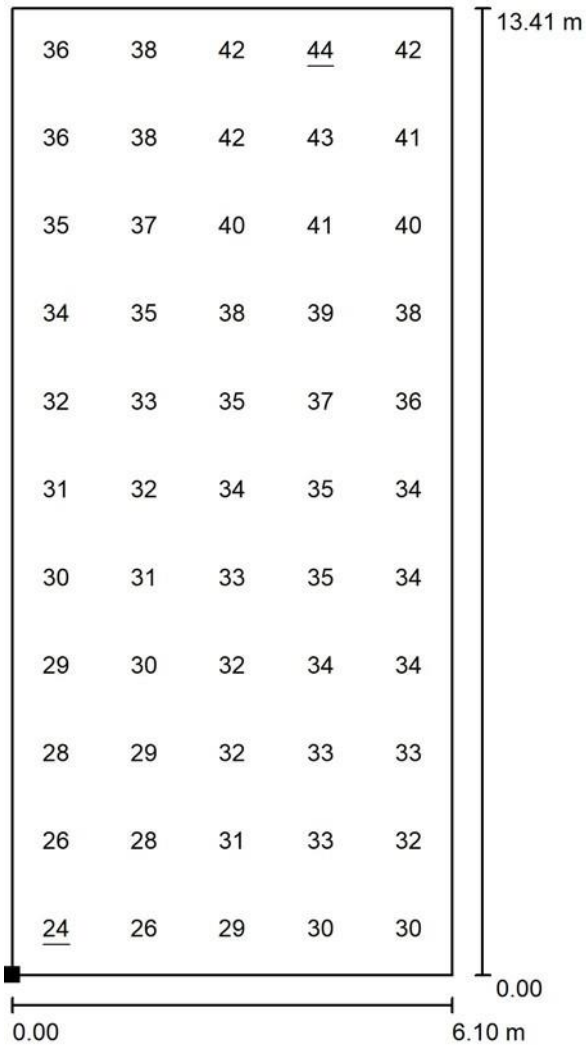
E_{max} [fc]
44

u_0
0.701

E_{min} / E_{max}
0.548

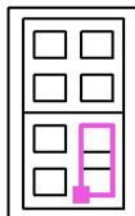


Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



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 |