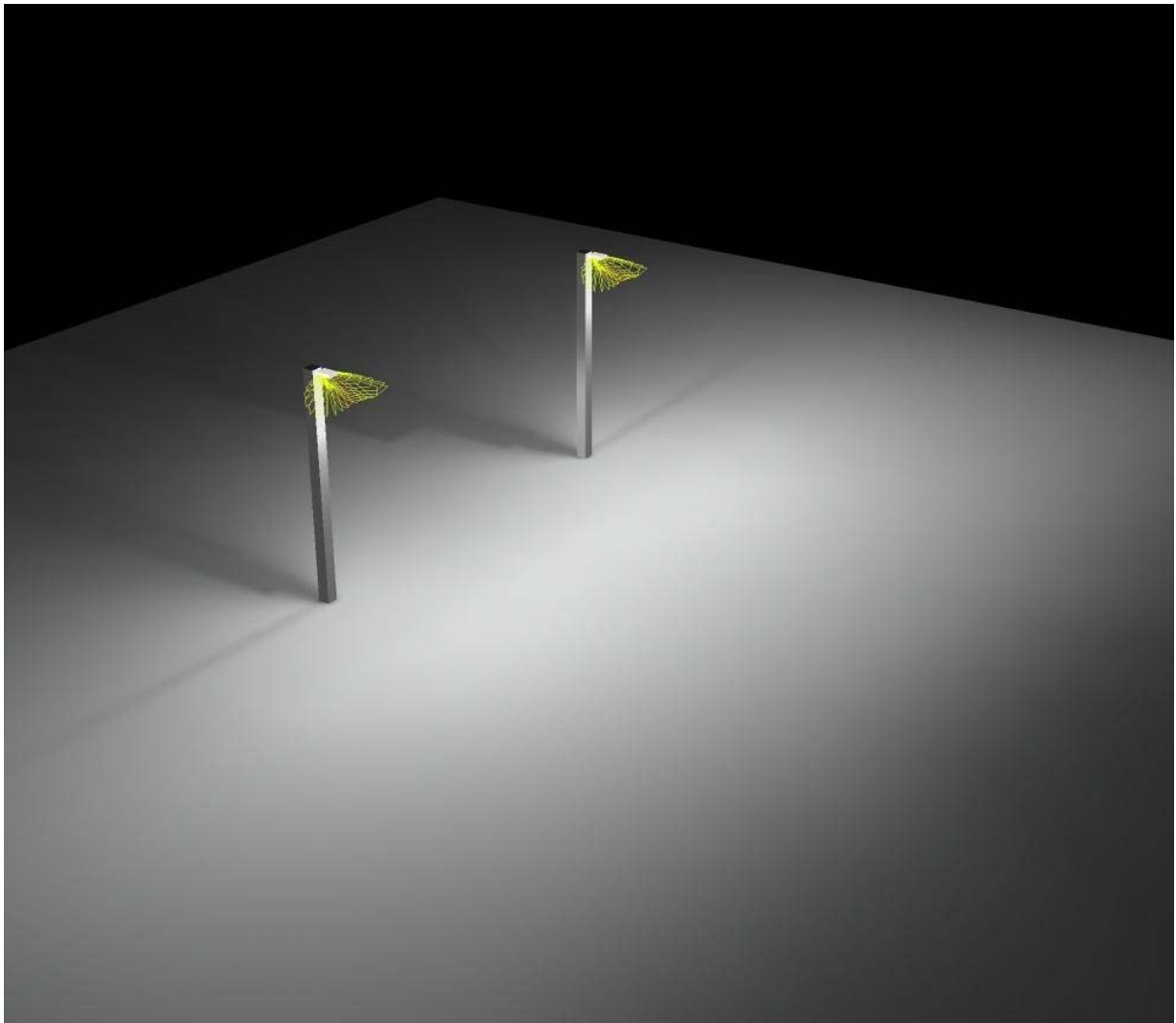


Twin Bocce Courts

2 20' Poles - 2 APTA 280s
Dark Sky Compliant
Average 11 Footcandles - 2.66 Max/Min



This photometric study was generated using methods recommended by the Illuminating Engineering Society of North America (IESNA). The calculations in this report are based on data provided by a third party. The accuracy of this 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 is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Access Fixtures be responsible for any loss resulting from use of this report.

Table of contents

Outdoor Side-by-Side Bocce Courts

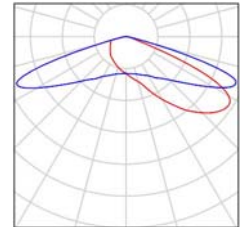
Project Cover	1
Table of contents	2
Luminaire parts list	3
AF72XFLB280-T4M1 280W	
Luminaire Data Sheet	4
Exterior Scene 1	
Planning data	5
Luminaires (layout plan)	6
Luminaires (coordinates list)	7
Calculation surfaces (results overview)	8
3D Rendering	9
False Color Rendering	10
Exterior Surfaces	
Calculation Surface 1	
Value Chart (E, Perpendicular)	11
Calculation Surface 1	
Value Chart (E, Perpendicular)	12



Outdoor Side-by-Side Bocce Courts / Luminaire parts list

2 Pieces AF72XFLB280-T4M1 280W
Article No.:
Luminous flux (Luminaire): 34393 lm
Luminous flux (Lamps): 34692 lm
Luminaire Wattage: 271.0 W
Luminaire classification according to CIE: 100
CIE flux code: 23 60 96 100 99
Fitting: 1 x NICHIA 3535 5000K D340 (Correction
Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.

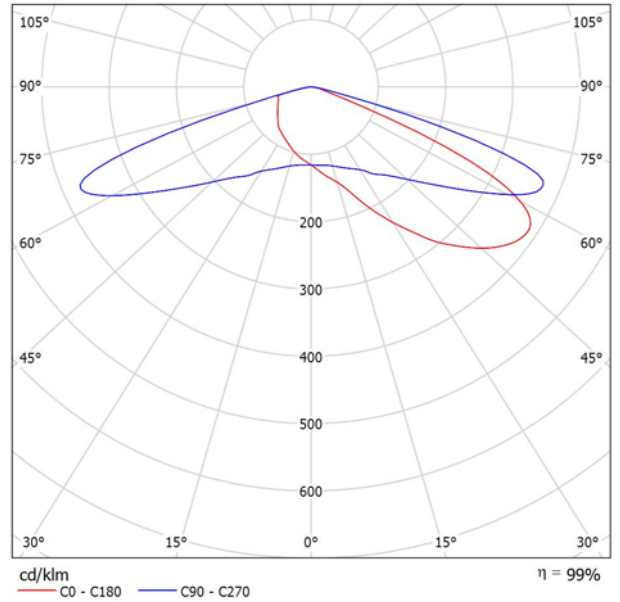




AF72XFLB280-T4M1 280W / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.

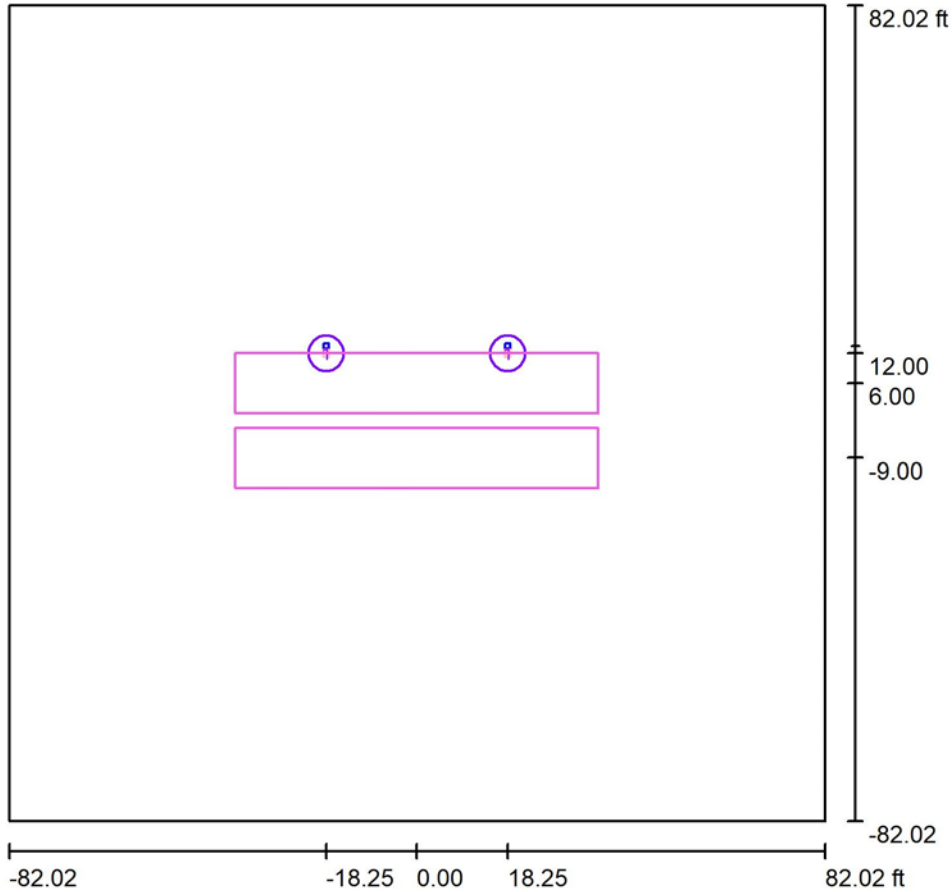


Luminaire classification according to CIE: 100
CIE flux code: 23 60 96 100 99

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%

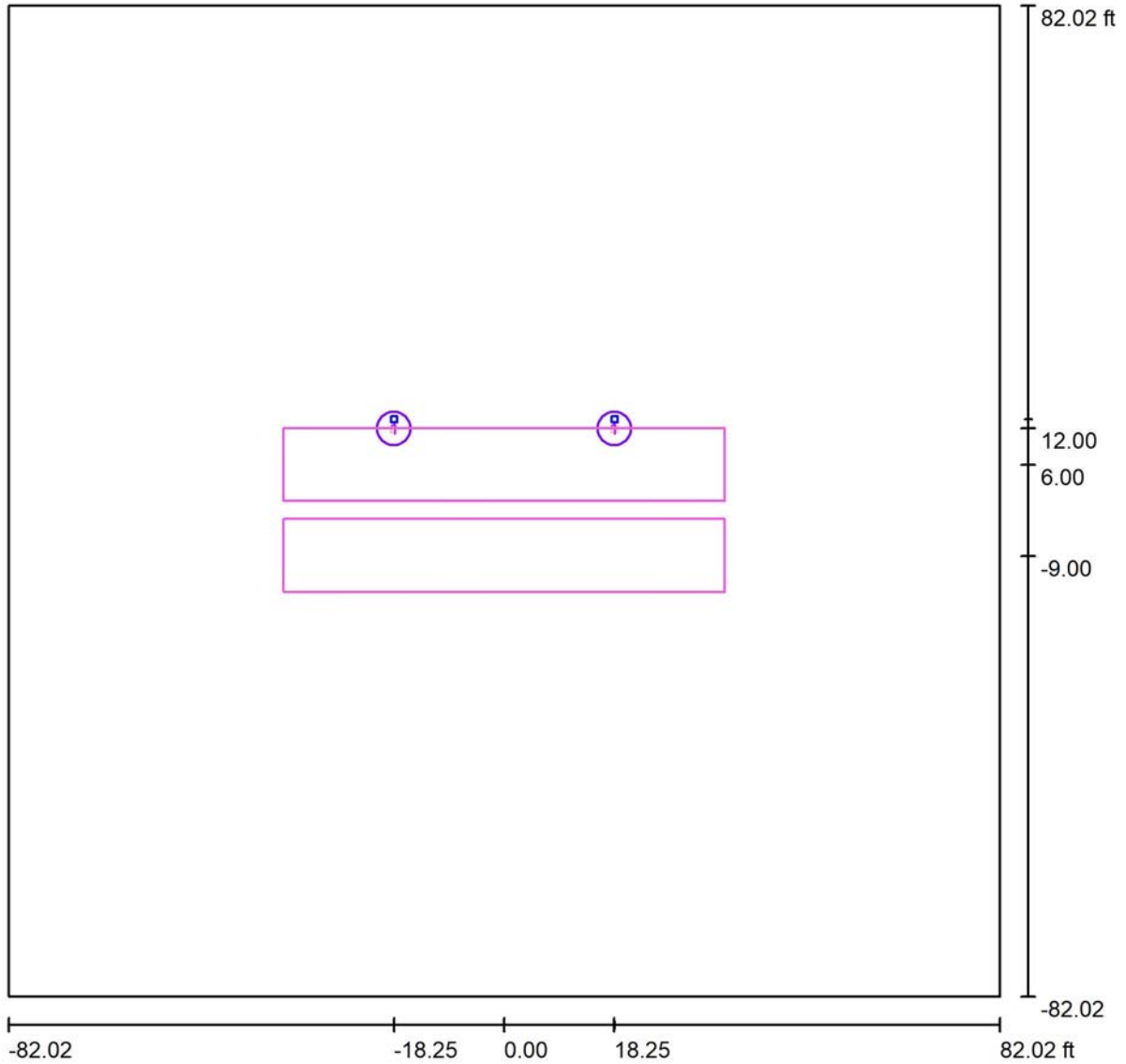
Scale 1:464

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	AF72XFLB280-T4M1 280W (1.000)	34393	34692	271.0
Total:			68787	Total: 69384	542.0



Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 358

Luminaire Parts List

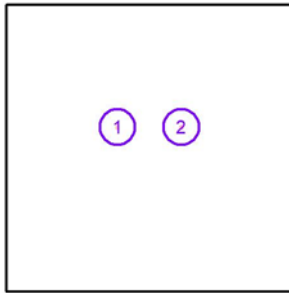
No.	Pieces	Designation
1	2	AF72XFLB280-T4M1 280W



Exterior Scene 1 / Luminaires (coordinates list)

AF72XFLB280-T4M1 280W

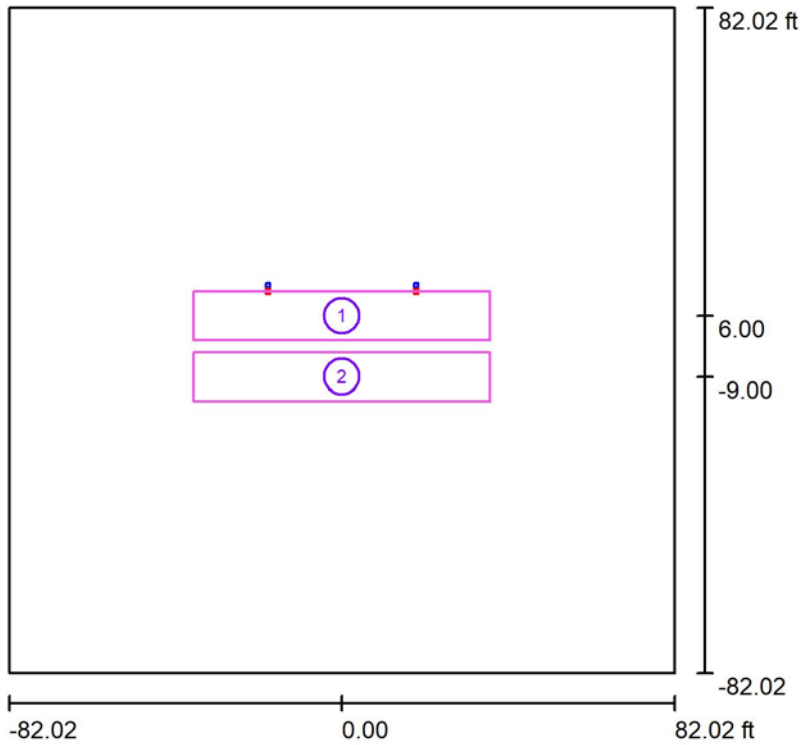
34393 lm, 271.0 W, 1 x 1 x NICHIA 3535 5000K D340 (Correction Factor 1.000).



No.	Position [ft]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-18.250	12.000	20.000	0.0	0.0	-90.0
2	18.250	12.000	20.000	0.0	0.0	-90.0



Exterior Scene 1 / Calculation surfaces (results overview)



Scale 1 : 569

Calculation Surface List

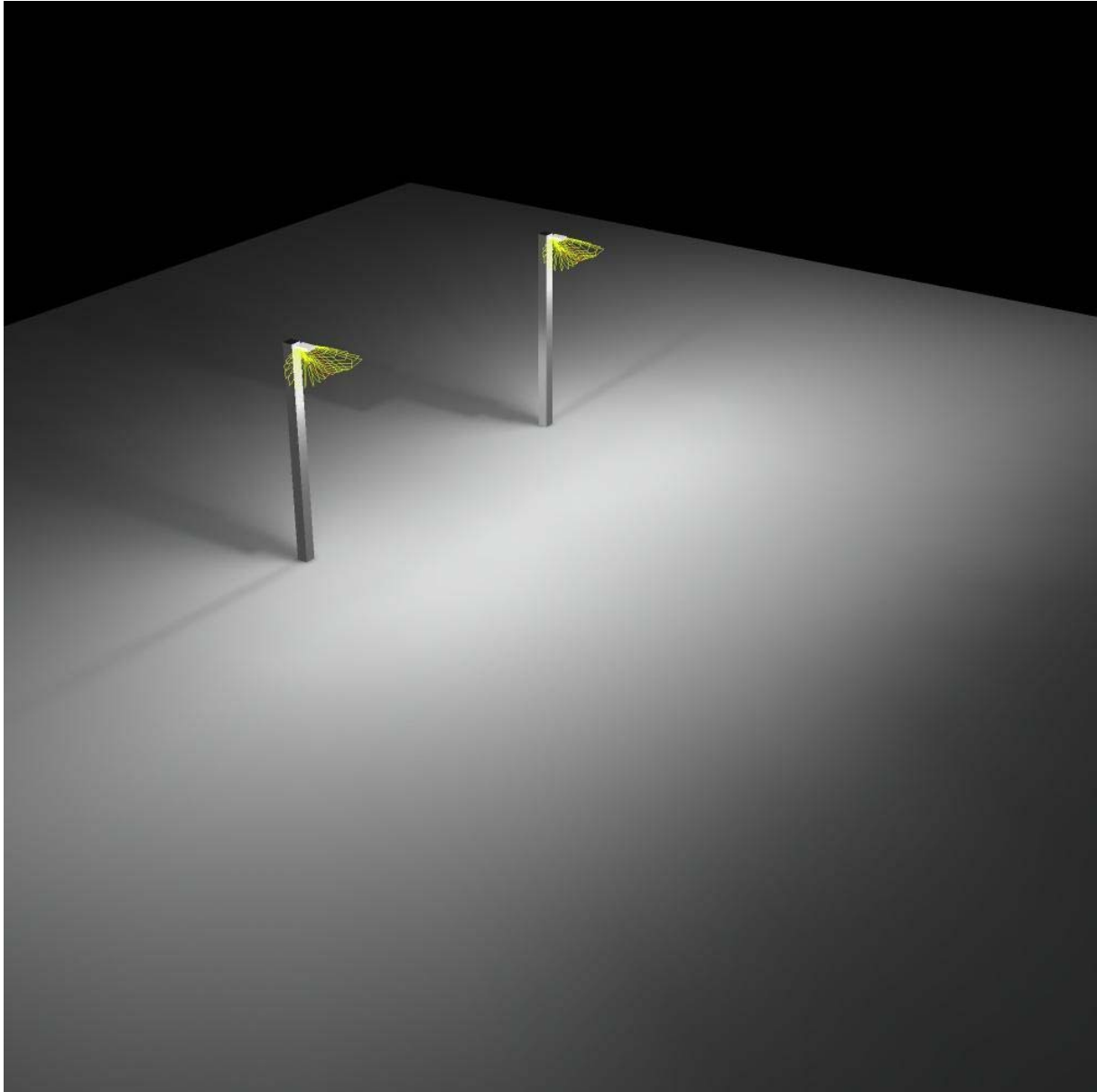
No.	Designation	Type	Grid	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
1	Calculation Surface 1	perpendicular	128 x 32	12	6.23	15	0.535	0.422
2	Calculation Surface 1	perpendicular	128 x 32	10	5.64	14	0.548	0.402

Summary of Results

Type	Quantity	Average [fc]	Min [fc]	Max [fc]	u0	E_{min} / E_{max}
perpendicular	2	11	5.64	15	0.51	0.38

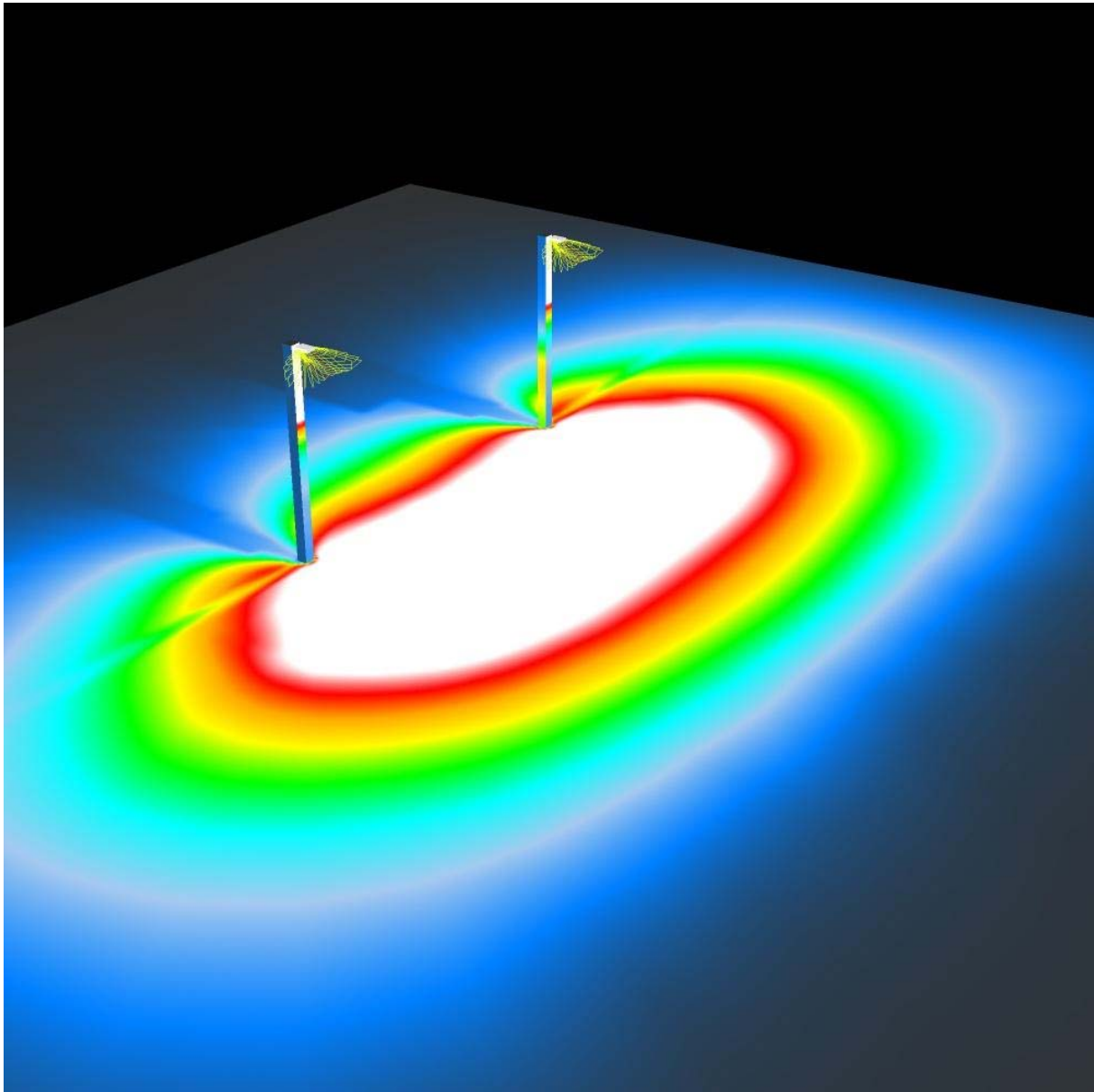


Exterior Scene 1 / 3D Rendering





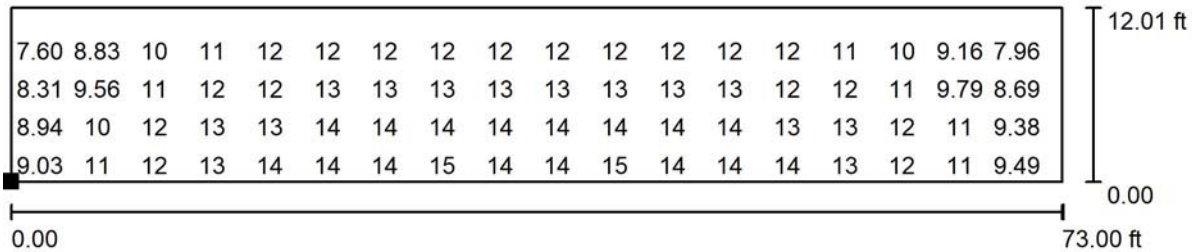
Exterior Scene 1 / False Color Rendering



0 1.25 2.50 3.75 5.00 6.25 7.50 8.75 10.00 fc



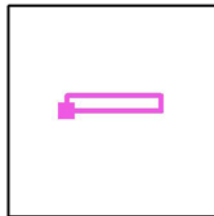
Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 160

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-36.500 ft, -0.005 ft, 0.000 ft)

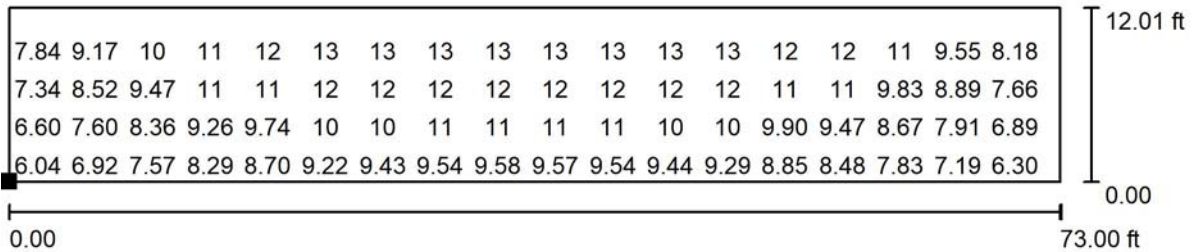


Grid: 128 x 32 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
12	6.23	15	0.535	0.422



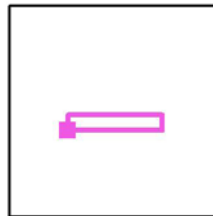
Exterior Scene 1 / Calculation Surface 1 / Value Chart (E, Perpendicular)



Values in Footcandles, Scale 1 : 160

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-36.500 ft, -15.005 ft, 0.000 ft)



Grid: 128 x 32 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
10	5.64	14	0.548	0.402