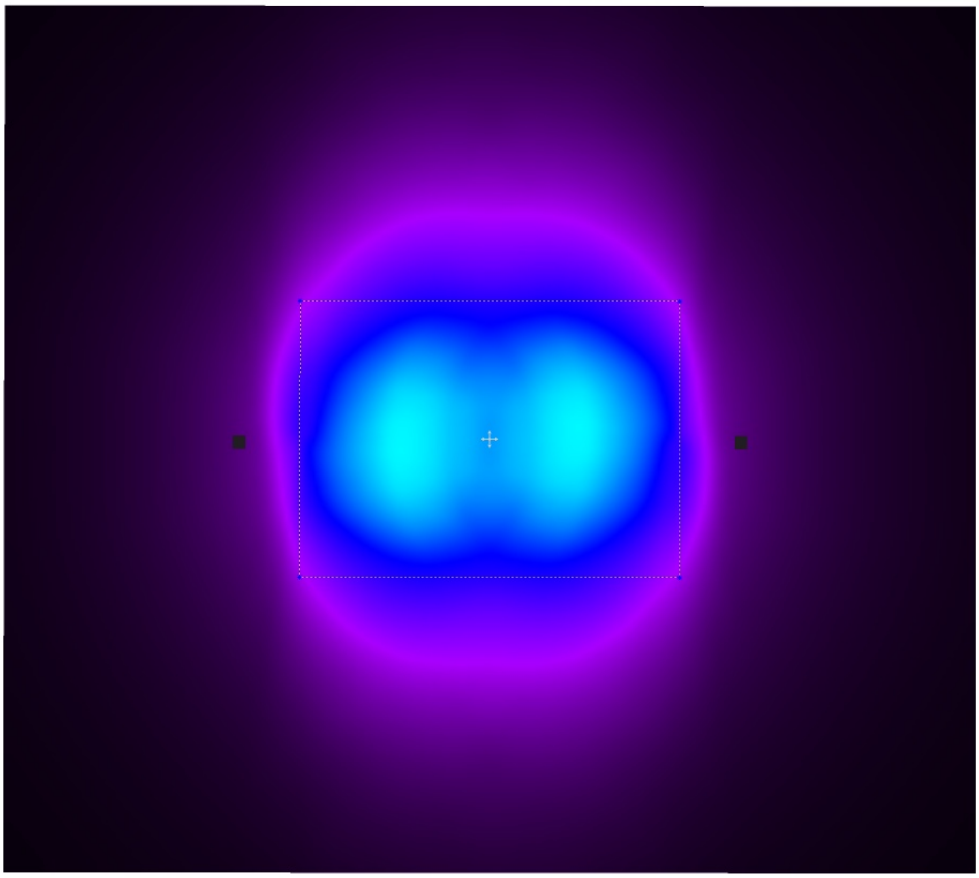
AccessFixtures
High-Performance Lighting Solutions

Half Basketball Court 44’ x 33’
2 20' Poles and 2 STAM 300s
Average 17 Footcandles - 2.96 Max/Min



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. Enduser 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.

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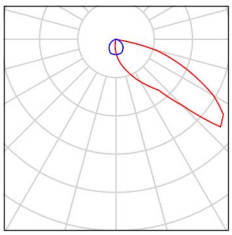
Half Basketball Court / Luminaire parts list

2 Pieces

Access Fixtures STAM 300 AF77XST-M-LHM300M
Sports LIGHTING
Article No.: STAM 300 AF77XST-M-LHM300M
Luminous flux (Luminaire): 40120 lm
Luminous flux (Lamps): 40067 lm
Luminaire Wattage: 302.3 W
Luminaire classification according to CIE: 100
CIE flux code: 23 64 96 100 100
Fitting: 1 x NICHIA 3030 5000K (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



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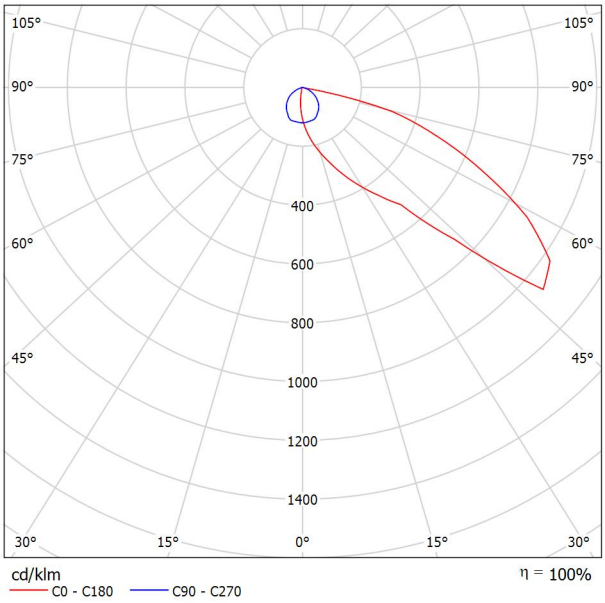
Access Fixtures STAM 300 AF77XST-M-LHM300M Sports LIGHTING / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 23 64 96 100 100

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

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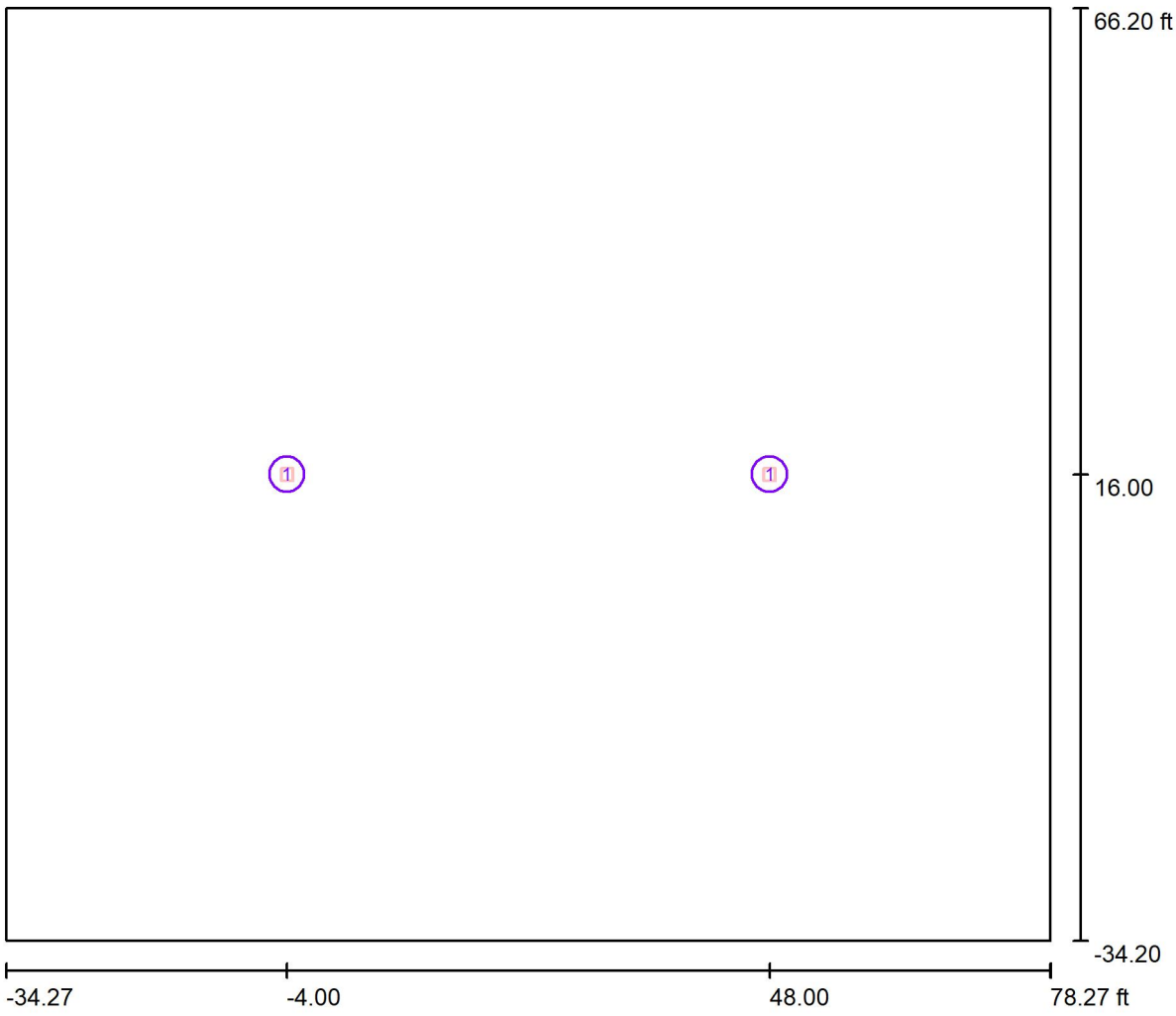
Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 246

Luminaire Parts List

No.	Pieces	Designation
1	2	Access Fixtures STAM 300 AF77XST-M-LHM300M Sports LIGHTING

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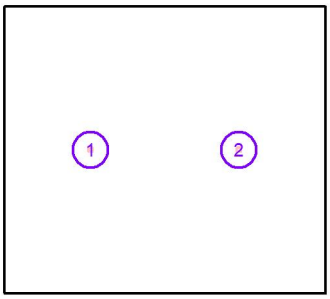
Exterior Scene 1 / Luminaires (coordinates list)

Access Fixtures STAM 300 AF77XST-M-LHM300M Sports LIGHTING

40120 lm, 302.3 W, 1 x 1 x NICHIA 3030 5000K (Correction Factor 1.000).



No.	Position [ft]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-4.000	16.000	20.000	0.0	-12.0	0.0
2	48.000	16.000	20.000	0.0	-12.0	-180.0

Poles are located 4’ to the left and 4 feet to the right of the sides of the basketball court. STAM 300s are tilted up 12°.

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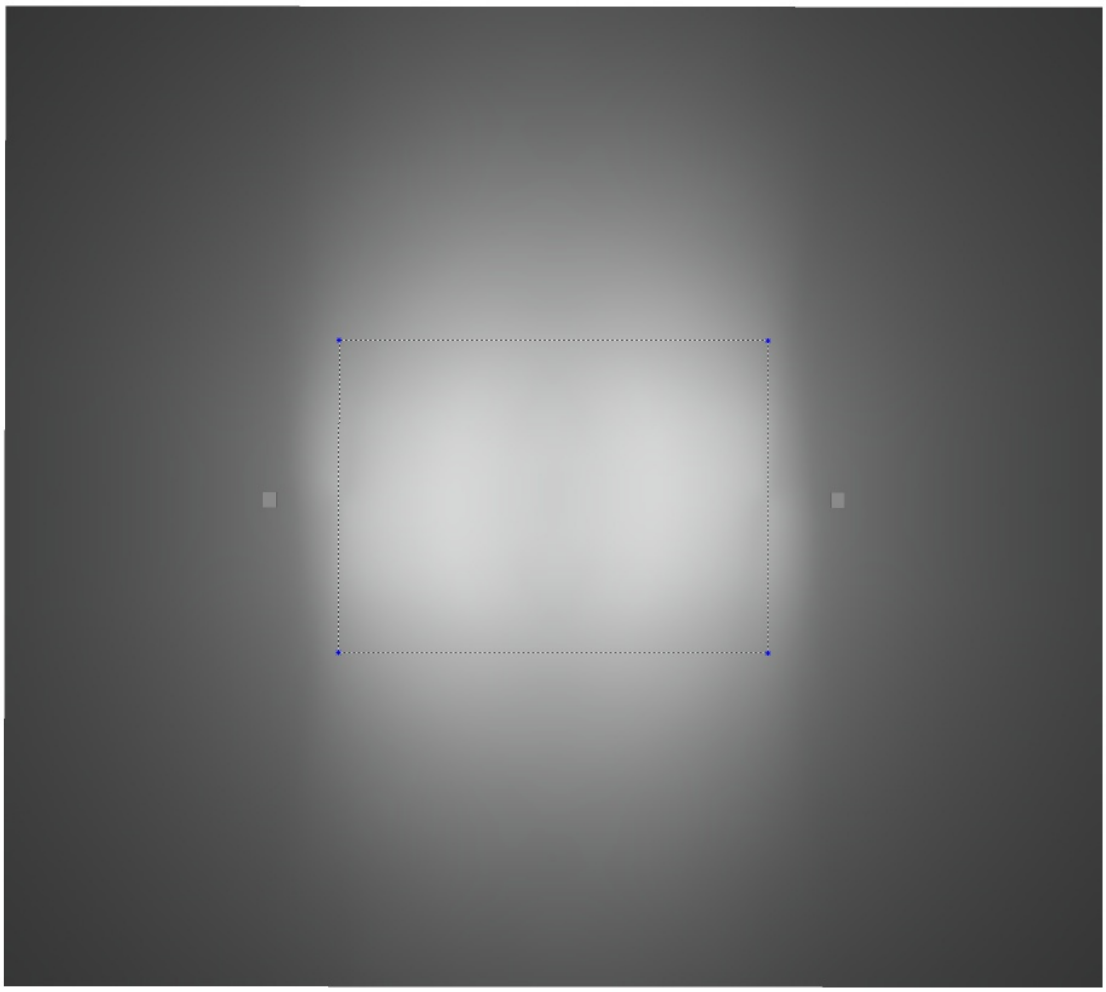
Exterior Scene 1 / 3D Rendering



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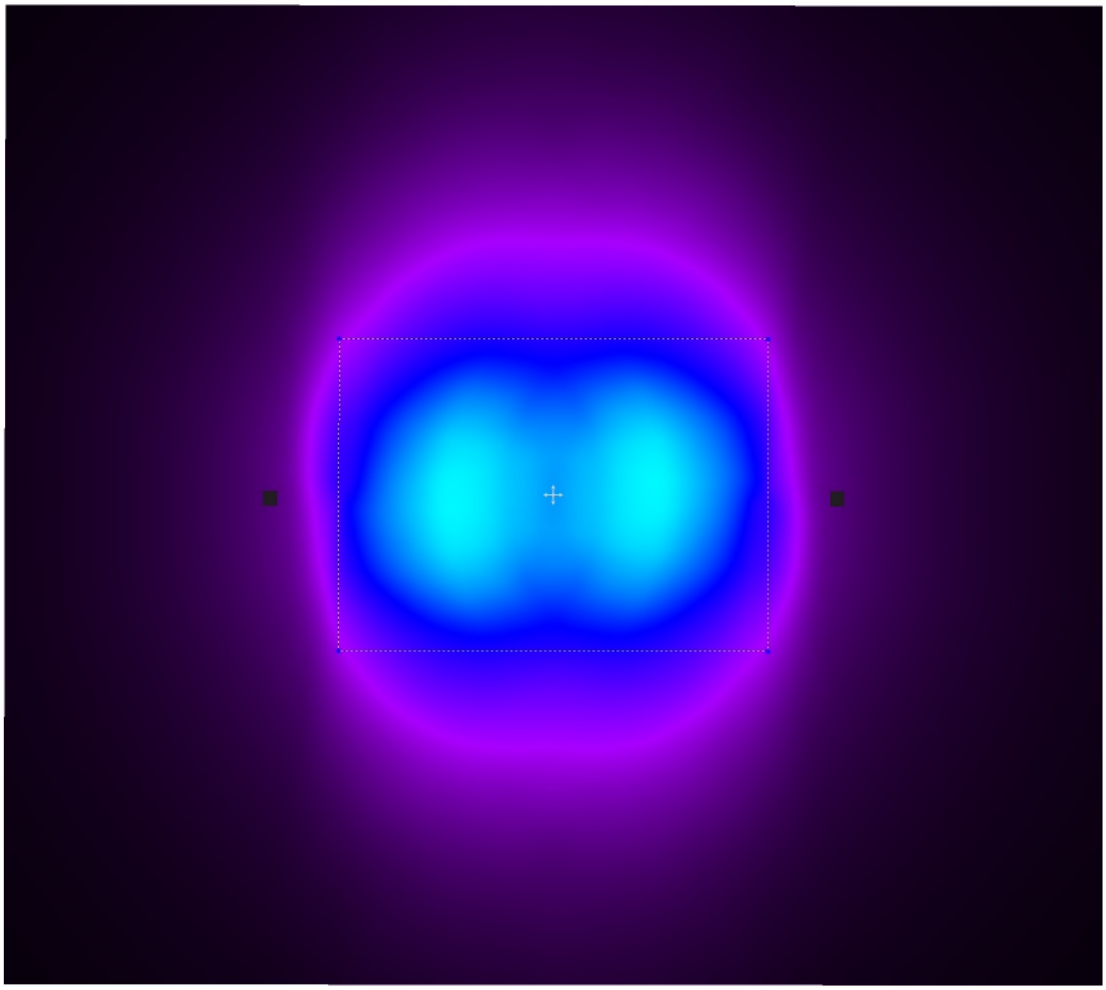
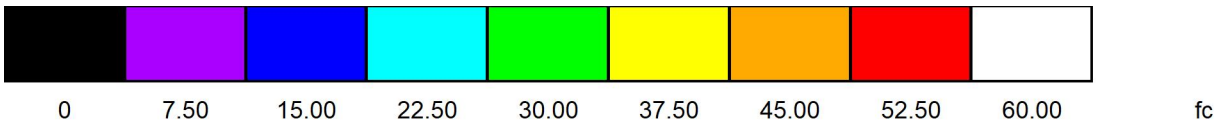
Exterior Scene 1 / False Color Rendering





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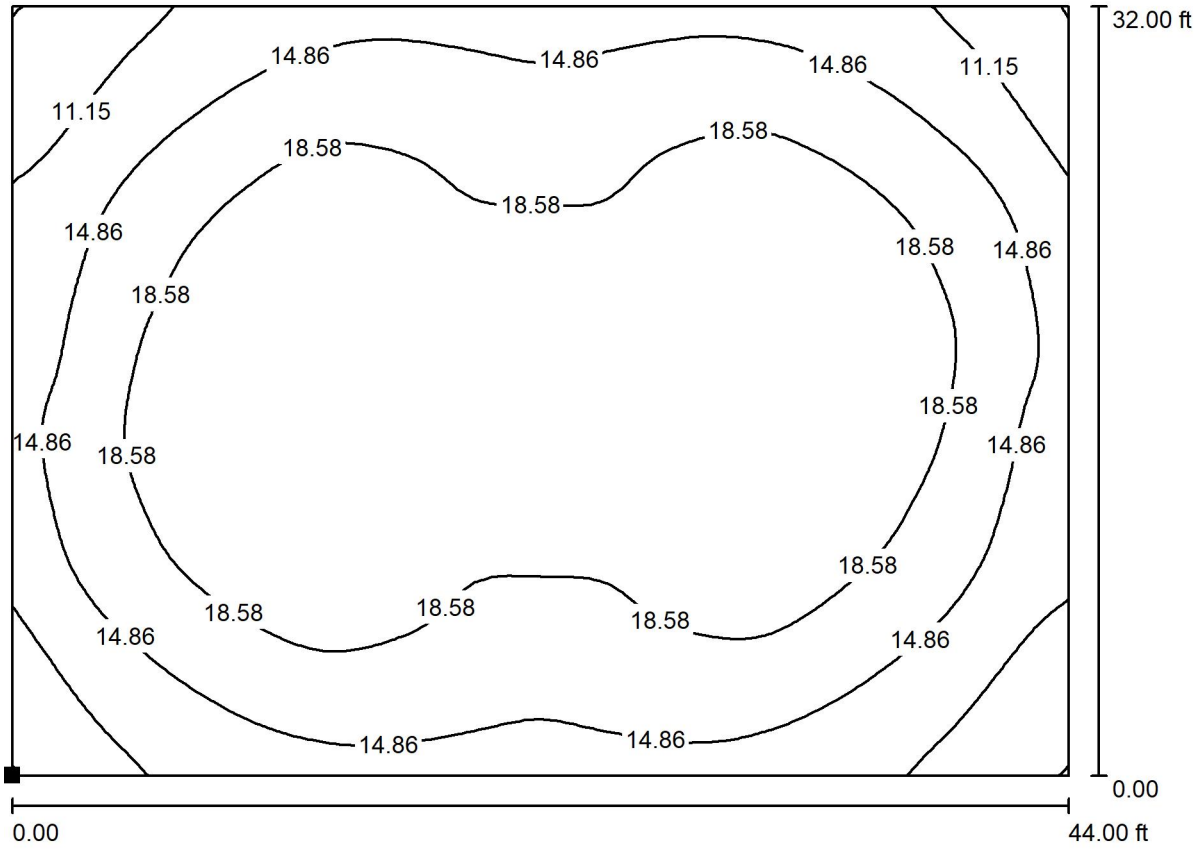
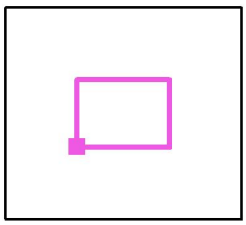
Exterior Scene 1 / Half Basketball Court / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 96

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



Grid: 64 x 64 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
17	7.43	22	0.434	0.333

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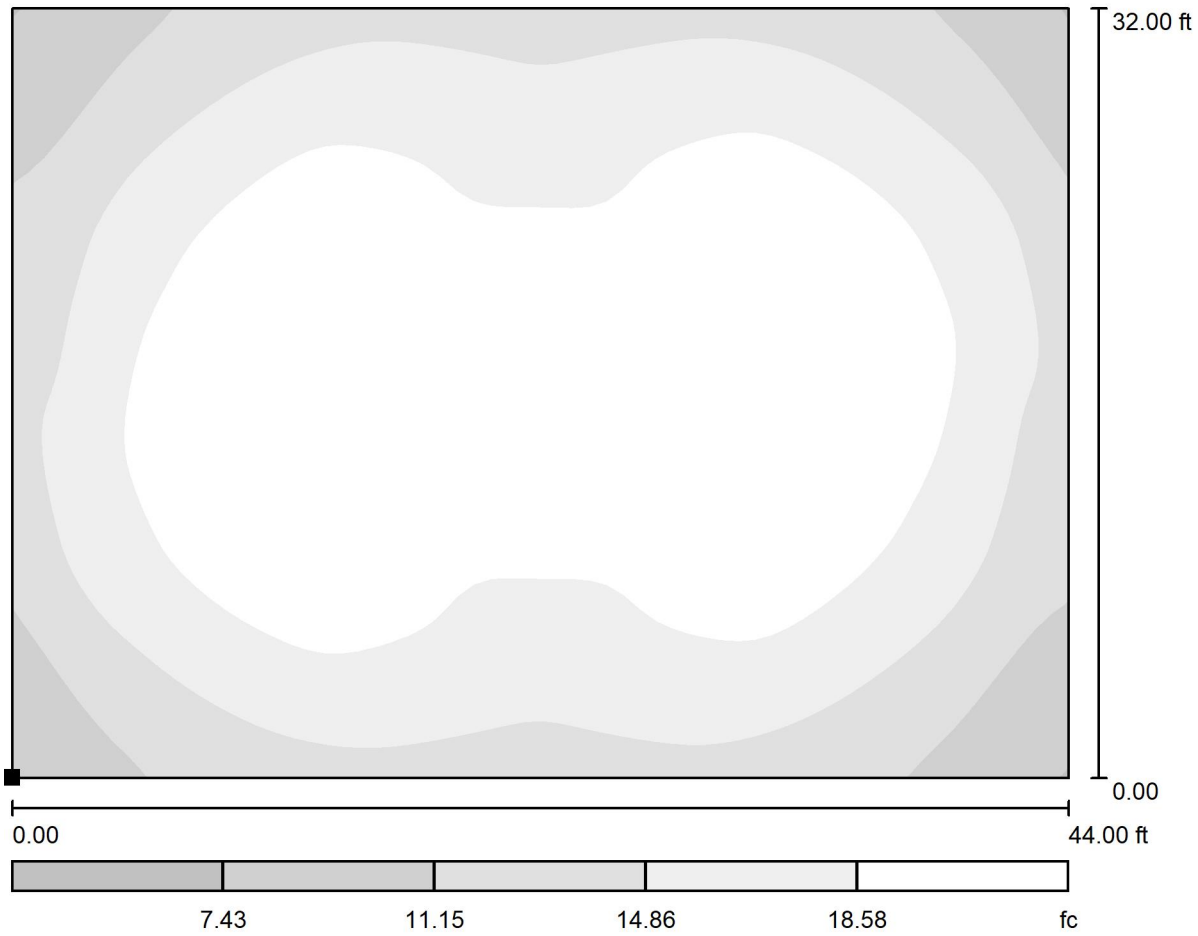
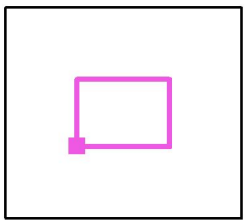
Exterior Scene 1 / Half Basketball Court / Greyscale (E, Perpendicular)



Scale 1 : 96

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



Grid: 64 x 64 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
17	7.43	22	0.434	0.333

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Exterior Scene 1 / Half Basketball Court / Value Chart (E, Perpendicular)

8.17	9.96	12	13	14	15	15	14	14	15	15	15	14	13	11	9.06
8.86	11	13	14	16	16	16	15	15	16	16	16	15	14	12	9.96
9.71	12	14	16	17	17	17	16	16	17	18	18	17	15	14	11
11	13	15	17	18	19	18	17	17	18	19	19	18	17	15	12
11	14	16	18	20	20	19	18	18	19	20	20	19	18	16	13
12	15	17	19	20	20	19	19	19	19	20	21	20	19	17	14
12	16	18	20	21	21	20	19	19	20	21	22	21	20	18	15
13	16	19	21	22	21	21	20	20	20	21	22	22	20	18	15
13	17	19	21	22	22	21	20	20	21	22	22	22	20	19	16
13	17	20	22	22	22	21	20	20	21	22	22	22	21	19	16
14	18	20	22	22	22	21	20	20	21	22	22	22	21	18	15
15	18	20	22	22	22	21	20	20	21	22	22	22	20	18	14
14	18	20	21	22	22	21	20	20	21	21	22	21	20	18	14
14	17	19	21	22	22	20	20	20	20	21	22	21	19	17	14
13	17	19	20	21	21	20	19	19	20	21	21	20	19	16	13
13	16	18	20	21	20	19	19	19	19	20	20	19	18	15	13
12	15	17	19	20	20	19	18	18	18	19	19	18	17	14	12
11	14	16	17	18	19	18	17	17	17	18	18	17	15	13	11
9.73	12	14	16	17	17	17	16	16	16	17	17	16	14	12	9.98
8.92	11	13	15	15	16	15	15	15	15	16	15	14	13	11	9.22
8.06	10	12	13	14	14	14	14	14	14	14	14	13	12	10	8.41

32.00 ft

0.00

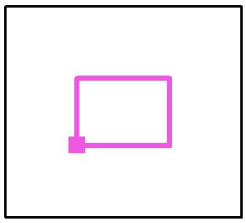
0.00

44.00 ft

Values in Footcandles, Scale 1 : 96

Not all calculated values could be displayed.

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



Grid: 64 x 64 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
17	7.43	22	0.434	0.333

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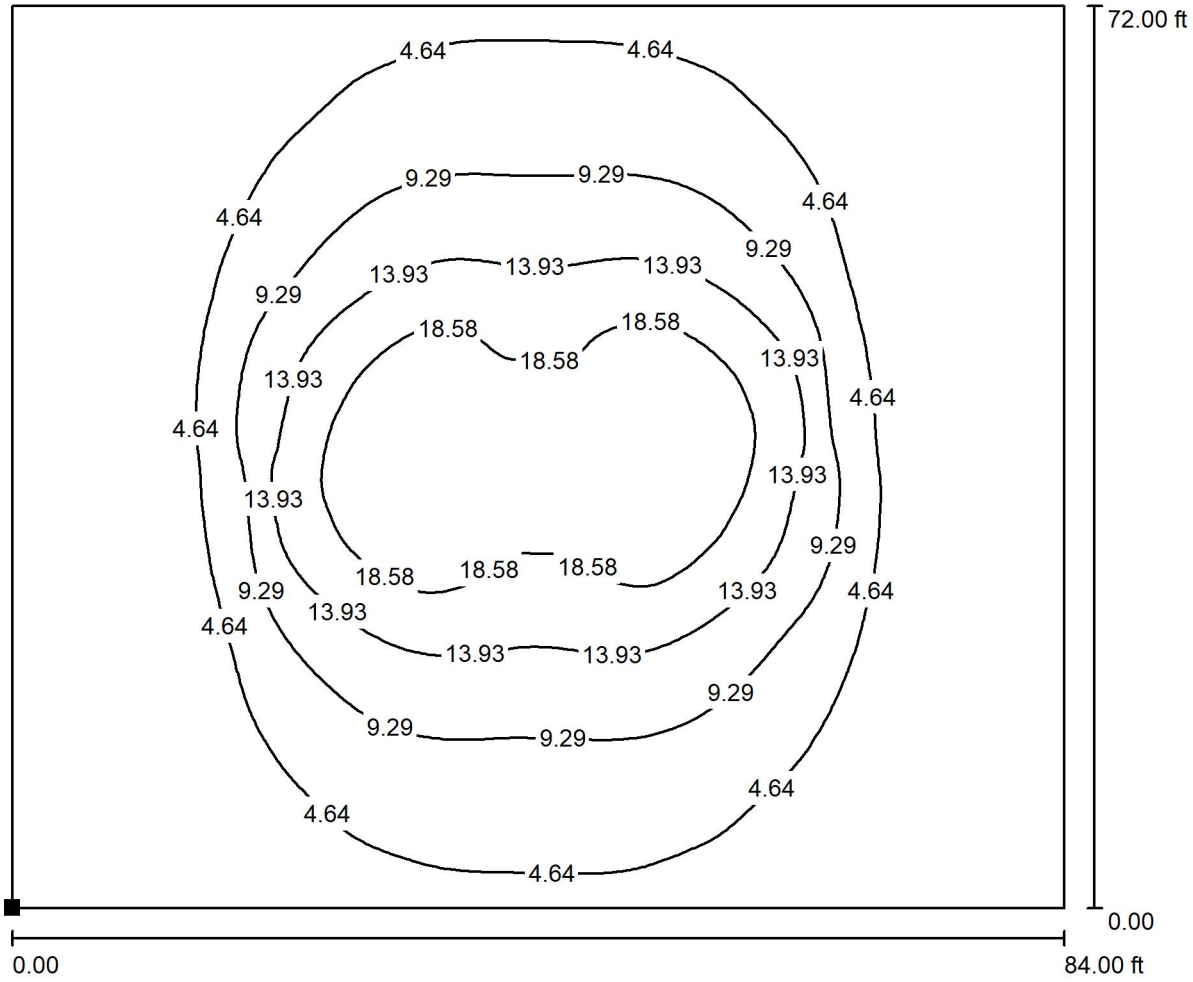
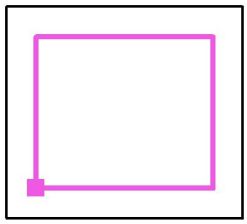
Exterior Scene 1 / 20ft Outer Zone / Isolines (E, Perpendicular)



Values in Footcandles, Scale 1 : 184

Position of surface in external scene:
Marked point:
(-20.000 ft, -20.000 ft, 0.000 ft)



Grid: 128 x 128 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
7.29	0.91	22	0.125	0.041

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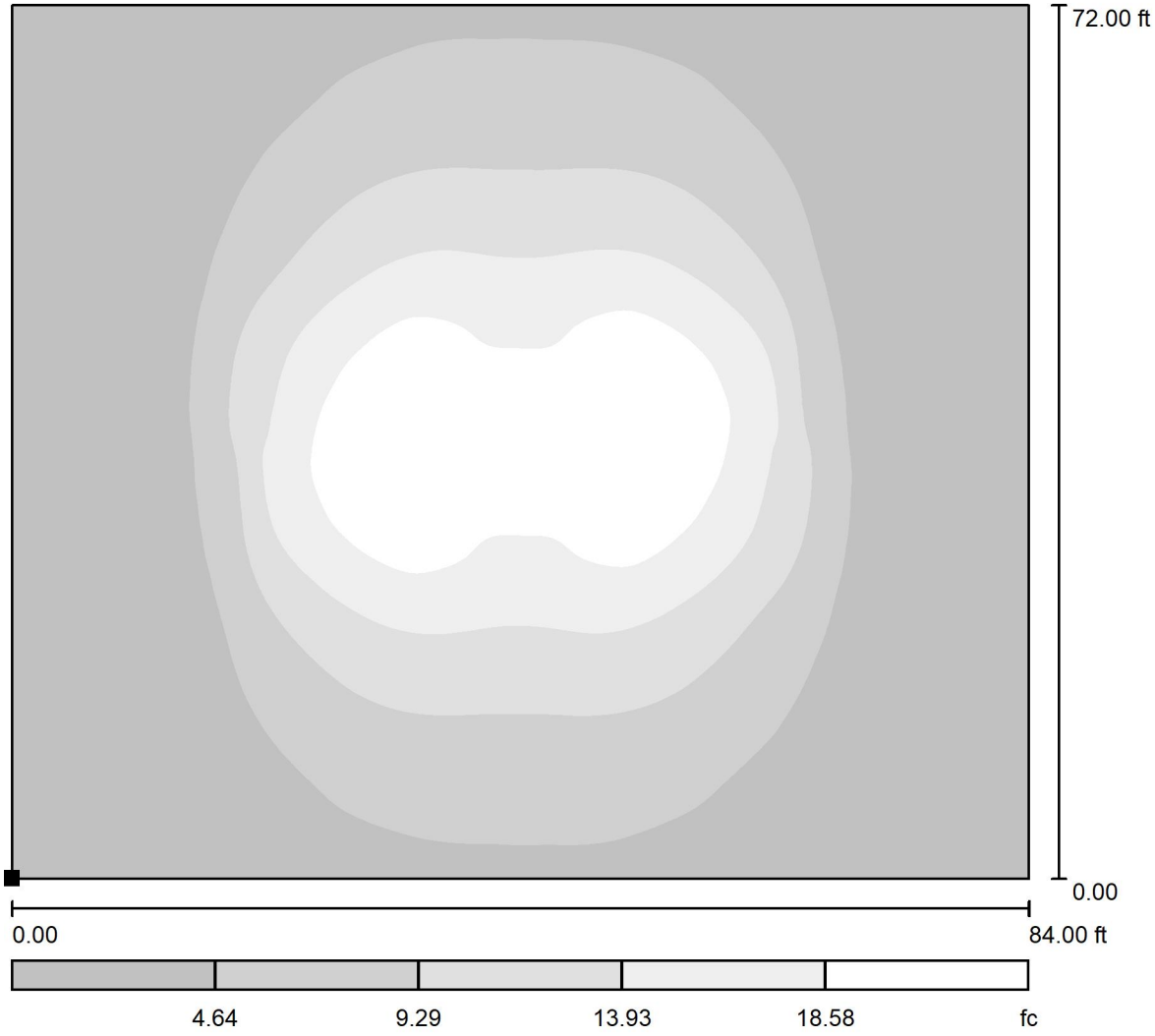
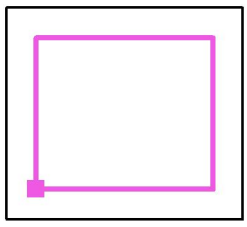
Exterior Scene 1 / 20ft Outer Zone / Greyscale (E, Perpendicular)



Scale 1 : 187

Position of surface in external scene:
Marked point:
(-20.000 ft, -20.000 ft, 0.000 ft)



Grid: 128 x 128 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
7.29	0.91	22	0.125	0.041

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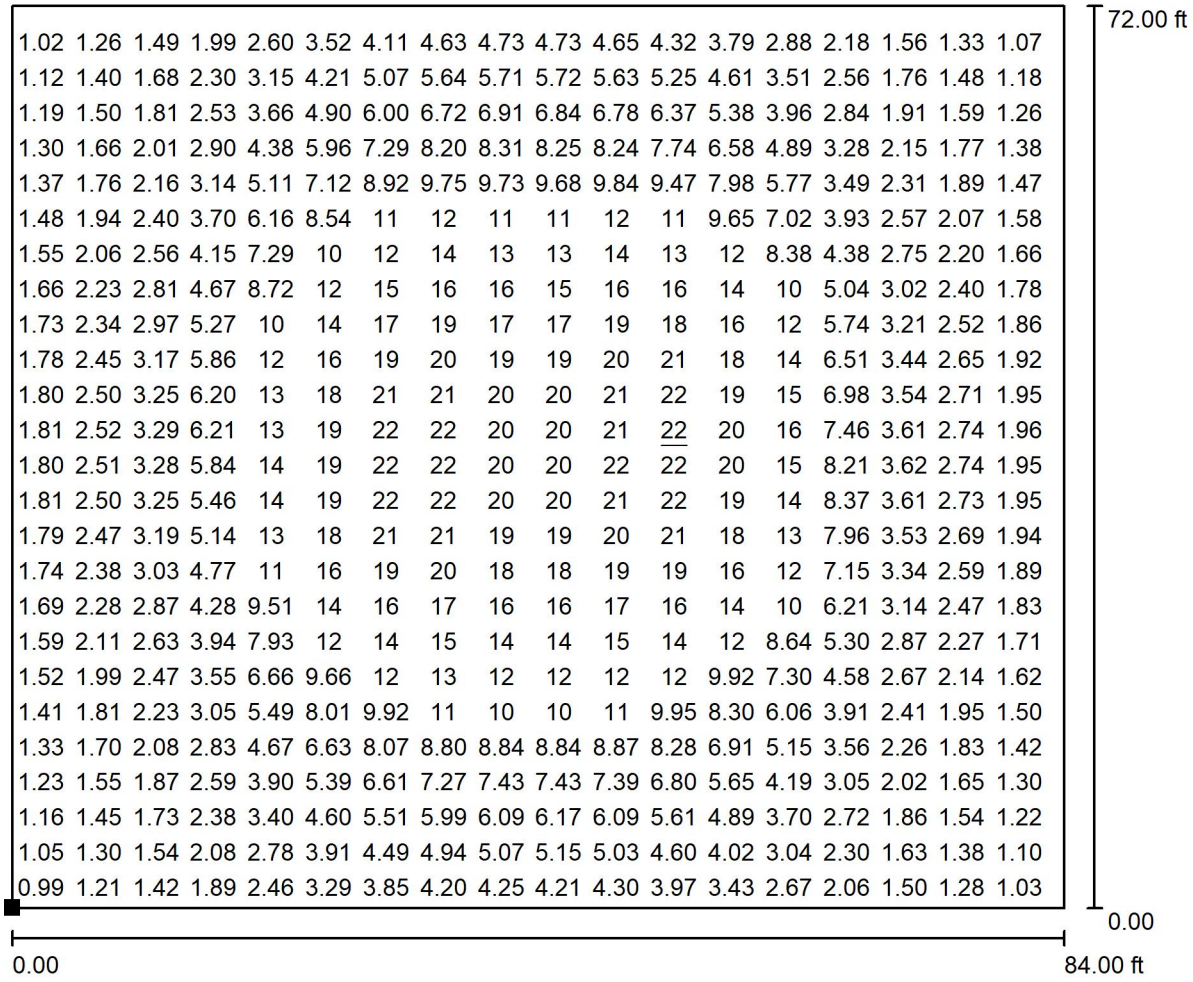
Exterior Scene 1 / 20ft Outer Zone / Value Chart (E, Perpendicular)

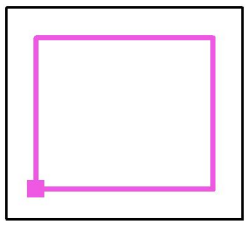
1.02	1.26	1.49	1.99	2.60	3.52	4.11	4.63	4.73	4.73	4.65	4.32	3.79	2.88	2.18	1.56	1.33	1.07
1.12	1.40	1.68	2.30	3.15	4.21	5.07	5.64	5.71	5.72	5.63	5.25	4.61	3.51	2.56	1.76	1.48	1.18
1.19	1.50	1.81	2.53	3.66	4.90	6.00	6.72	6.91	6.84	6.78	6.37	5.38	3.96	2.84	1.91	1.59	1.26
1.30	1.66	2.01	2.90	4.38	5.96	7.29	8.20	8.31	8.25	8.24	7.74	6.58	4.89	3.28	2.15	1.77	1.38
1.37	1.76	2.16	3.14	5.11	7.12	8.92	9.75	9.73	9.68	9.84	9.47	7.98	5.77	3.49	2.31	1.89	1.47
1.48	1.94	2.40	3.70	6.16	8.54	11	12	11	11	12	11	9.65	7.02	3.93	2.57	2.07	1.58
1.55	2.06	2.56	4.15	7.29	10	12	14	13	13	14	13	12	8.38	4.38	2.75	2.20	1.66
1.66	2.23	2.81	4.67	8.72	12	15	16	16	15	16	16	14	10	5.04	3.02	2.40	1.78
1.73	2.34	2.97	5.27	10	14	17	19	17	17	19	18	16	12	5.74	3.21	2.52	1.86
1.78	2.45	3.17	5.86	12	16	19	20	19	19	20	21	18	14	6.51	3.44	2.65	1.92
1.80	2.50	3.25	6.20	13	18	21	21	20	20	21	22	19	15	6.98	3.54	2.71	1.95
1.81	2.52	3.29	6.21	13	19	22	22	20	20	21	22	20	16	7.46	3.61	2.74	1.96
1.80	2.51	3.28	5.84	14	19	22	22	20	20	22	22	20	15	8.21	3.62	2.74	1.95
1.81	2.50	3.25	5.46	14	19	22	22	20	20	21	22	19	14	8.37	3.61	2.73	1.95
1.79	2.47	3.19	5.14	13	18	21	21	19	19	20	21	18	13	7.96	3.53	2.69	1.94
1.74	2.38	3.03	4.77	11	16	19	20	18	18	19	19	16	12	7.15	3.34	2.59	1.89
1.69	2.28	2.87	4.28	9.51	14	16	17	16	16	17	16	14	10	6.21	3.14	2.47	1.83
1.59	2.11	2.63	3.94	7.93	12	14	15	14	14	15	14	12	8.64	5.30	2.87	2.27	1.71
1.52	1.99	2.47	3.55	6.66	9.66	12	13	12	12	12	12	9.92	7.30	4.58	2.67	2.14	1.62
1.41	1.81	2.23	3.05	5.49	8.01	9.92	11	10	10	11	9.95	8.30	6.06	3.91	2.41	1.95	1.50
1.33	1.70	2.08	2.83	4.67	6.63	8.07	8.80	8.84	8.84	8.87	8.28	6.91	5.15	3.56	2.26	1.83	1.42
1.23	1.55	1.87	2.59	3.90	5.39	6.61	7.27	7.43	7.43	7.39	6.80	5.65	4.19	3.05	2.02	1.65	1.30
1.16	1.45	1.73	2.38	3.40	4.60	5.51	5.99	6.09	6.17	6.09	5.61	4.89	3.70	2.72	1.86	1.54	1.22
1.05	1.30	1.54	2.08	2.78	3.91	4.49	4.94	5.07	5.15	5.03	4.60	4.02	3.04	2.30	1.63	1.38	1.10
0.99	1.21	1.42	1.89	2.46	3.29	3.85	4.20	4.25	4.21	4.30	3.97	3.43	2.67	2.06	1.50	1.28	1.03



Values in Footcandles, Scale 1 : 184

Not all calculated values could be displayed.

Position of surface in external scene:
Marked point:
(-20.000 ft, -20.000 ft, 0.000 ft)



Grid: 128 x 128 Points

E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u0	E_{min} / E_{max}
7.29	0.91	22	0.125	0.041