

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FBX12LL40-UNV-W-LPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO32799.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 5/13/14
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] FBX12LL40-UNV-W-LPA
[LUMINAIRE] FBX HIGHBAY
[MORE] 2-2LP1.0 4000K BOARDS 95W DRIVER NO RESISTOR WIDE OPTICS PRISMATIC LENS
[LAMP] LED. LUMINAIRE OUTPUT = 10280 LMS
[TESTDATE] 5/12/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10280
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	97
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.94 ft
Luminous Width (90-270)	1.08 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19119	20198	20091
55	13032	13466	12882
65	8866	8440	8773
75	8093	7890	8771
85	9082	8100	8025

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08
2.5	3456.75	3430.06	3395.43	3370.00	3367.34	3370.00	3395.43	3430.06	3456.75	3430.06
5.0	3492.13	3448.77	3383.49	3355.78	3375.94	3355.78	3383.49	3448.77	3492.13	3448.77
7.5	3545.22	3468.33	3404.13	3394.32	3416.94	3394.32	3404.13	3468.33	3545.22	3468.33
10.0	3613.24	3512.04	3477.26	3493.65	3478.39	3493.65	3477.26	3512.04	3613.24	3512.04
12.5	3694.31	3570.95	3590.41	3579.96	3577.08	3579.96	3590.41	3570.95	3694.31	3570.95
15.0	3779.73	3645.82	3706.32	3663.15	3640.81	3663.15	3706.32	3645.82	3779.73	3645.82
17.5	3865.43	3743.99	3804.30	3716.12	3709.50	3716.12	3804.30	3743.99	3865.43	3743.99
20.0	3939.94	3863.44	3863.83	3774.31	3768.69	3774.31	3863.83	3863.44	3939.94	3863.44
22.5	4010.54	3964.26	3908.49	3856.54	3831.46	3856.54	3908.49	3964.26	4010.54	3964.26
25.0	4045.55	4016.22	3943.42	3925.97	3902.16	3925.97	3943.42	4016.22	4045.55	4016.22
27.5	4034.24	4017.56	3958.03	3951.83	3924.01	3951.83	3958.03	4017.56	4034.24	4017.56
30.0	3986.62	3963.28	3932.78	3926.69	3892.36	3926.69	3932.78	3963.28	3986.62	3963.28
32.5	3889.97	3864.33	3847.18	3853.08	3848.12	3853.08	3847.18	3864.33	3889.97	3864.33
35.0	3732.46	3721.78	3716.73	3747.42	3746.98	3747.42	3716.73	3721.78	3732.46	3721.78
37.5	3516.47	3527.17	3541.12	3584.93	3595.10	3584.93	3541.12	3527.17	3516.47	3527.17
40.0	3248.24	3287.74	3317.59	3363.11	3379.37	3363.11	3317.59	3287.74	3248.24	3287.74
42.5	2943.85	3027.45	3062.43	3096.48	3098.21	3096.48	3062.43	3027.45	2943.85	3027.45
45.0	2633.93	2745.22	2782.67	2778.15	2767.93	2778.15	2782.67	2745.22	2633.93	2745.22
47.5	2332.35	2436.87	2474.64	2425.49	2407.07	2425.49	2474.64	2436.87	2332.35	2436.87
50.0	2028.25	2113.78	2146.88	2079.04	2027.51	2079.04	2146.88	2113.78	2028.25	2113.78
52.5	1724.03	1788.63	1815.99	1728.08	1697.93	1728.08	1815.99	1788.63	1724.03	1788.63
55.0	1456.39	1490.43	1504.86	1453.57	1439.55	1453.57	1504.86	1490.43	1456.39	1490.43
57.5	1230.68	1227.46	1231.48	1226.17	1160.08	1226.17	1231.48	1227.46	1230.68	1227.46
60.0	1038.05	1011.13	1009.51	1001.05	974.55	1001.05	1009.51	1011.13	1038.05	1011.13
62.5	868.47	833.69	853.37	848.58	832.12	848.58	853.37	833.69	868.47	833.69
65.0	729.99	691.37	694.93	724.86	722.37	724.86	694.93	691.37	729.99	691.37
67.5	619.04	582.07	585.78	622.54	629.58	622.54	585.78	582.07	619.04	582.07
70.0	533.69	500.77	507.59	547.75	559.41	547.75	507.59	500.77	533.69	500.77
72.5	465.01	441.81	447.43	486.93	500.27	486.93	447.43	441.81	465.01	441.81
75.0	408.11	396.24	397.85	429.59	442.29	429.59	397.85	396.24	408.11	396.24
77.5	359.73	347.11	346.98	371.06	379.50	371.06	346.98	347.11	359.73	347.11
80.0	303.05	294.99	287.48	309.22	306.79	309.22	287.48	294.99	303.05	294.99
82.5	231.66	232.48	216.76	235.98	222.62	235.98	216.76	232.48	231.66	232.48
85.0	154.22	162.03	137.54	144.79	136.27	144.79	137.54	162.03	154.22	162.03
87.5	67.43	75.28	63.10	84.10	83.12	84.10	63.10	75.28	67.43	75.28
90.0	3.84	9.34	16.60	28.46	35.15	28.46	16.60	9.34	3.84	9.34
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08	3403.08
2.5	3395.43	3370.00	3367.34	3370.00	3395.43	3430.06	3456.75
5.0	3383.49	3355.78	3375.94	3355.78	3383.49	3448.77	3492.13
7.5	3404.13	3394.32	3416.94	3394.32	3404.13	3468.33	3545.22
10.0	3477.26	3493.65	3478.39	3493.65	3477.26	3512.04	3613.24
12.5	3590.41	3579.96	3577.08	3579.96	3590.41	3570.95	3694.31
15.0	3706.32	3663.15	3640.81	3663.15	3706.32	3645.82	3779.73
17.5	3804.30	3716.12	3709.50	3716.12	3804.30	3743.99	3865.43
20.0	3863.83	3774.31	3768.69	3774.31	3863.83	3863.44	3939.94
22.5	3908.49	3856.54	3831.46	3856.54	3908.49	3964.26	4010.54
25.0	3943.42	3925.97	3902.16	3925.97	3943.42	4016.22	4045.55
27.5	3958.03	3951.83	3924.01	3951.83	3958.03	4017.56	4034.24
30.0	3932.78	3926.69	3892.36	3926.69	3932.78	3963.28	3986.62
32.5	3847.18	3853.08	3848.12	3853.08	3847.18	3864.33	3889.97
35.0	3716.73	3747.42	3746.98	3747.42	3716.73	3721.78	3732.46
37.5	3541.12	3584.93	3595.10	3584.93	3541.12	3527.17	3516.47
40.0	3317.59	3363.11	3379.37	3363.11	3317.59	3287.74	3248.24
42.5	3062.43	3096.48	3098.21	3096.48	3062.43	3027.45	2943.85
45.0	2782.67	2778.15	2767.93	2778.15	2782.67	2745.22	2633.93
47.5	2474.64	2425.49	2407.07	2425.49	2474.64	2436.87	2332.35
50.0	2146.88	2079.04	2027.51	2079.04	2146.88	2113.78	2028.25
52.5	1815.99	1728.08	1697.93	1728.08	1815.99	1788.63	1724.03
55.0	1504.86	1453.57	1439.55	1453.57	1504.86	1490.43	1456.39
57.5	1231.48	1226.17	1160.08	1226.17	1231.48	1227.46	1230.68
60.0	1009.51	1001.05	974.55	1001.05	1009.51	1011.13	1038.05
62.5	853.37	848.58	832.12	848.58	853.37	833.69	868.47
65.0	694.93	724.86	722.37	724.86	694.93	691.37	729.99
67.5	585.78	622.54	629.58	622.54	585.78	582.07	619.04
70.0	507.59	547.75	559.41	547.75	507.59	500.77	533.69
72.5	447.43	486.93	500.27	486.93	447.43	441.81	465.01
75.0	397.85	429.59	442.29	429.59	397.85	396.24	408.11
77.5	346.98	371.06	379.50	371.06	346.98	347.11	359.73
80.0	287.48	309.22	306.79	309.22	287.48	294.99	303.05

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82.5	216.76	235.98	222.62	235.98	216.76	232.48	231.66
85.0	137.54	144.79	136.27	144.79	137.54	162.03	154.22
87.5	63.10	84.10	83.12	84.10	63.10	75.28	67.43
90.0	16.60	28.46	35.15	28.46	16.60	9.34	3.84
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1375.66	N.A.	13.40
0-30	3199.01	N.A.	31.10
0-40	5511.51	N.A.	53.60
0-60	8953.37	N.A.	87.10
0-80	10111.37	N.A.	98.40
0-90	10277.03	N.A.	100.00
10-90	9948.76	N.A.	96.80
20-40	4135.85	N.A.	40.20
20-50	6240.21	N.A.	60.70
40-70	4164.85	N.A.	40.50
60-80	1158.00	N.A.	11.30
70-80	435.01	N.A.	4.20
80-90	165.66	N.A.	1.60
90-110	2.53	N.A.	0.00
90-120	2.53	N.A.	0.00
90-130	2.53	N.A.	0.00
90-150	2.53	N.A.	0.00
90-180	2.53	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	10279.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	328.27
10-20	1047.39
20-30	1823.34
30-40	2312.5
40-50	2104.37
50-60	1337.49
60-70	722.99
70-80	435.01
80-90	165.66
90-100	2.53
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

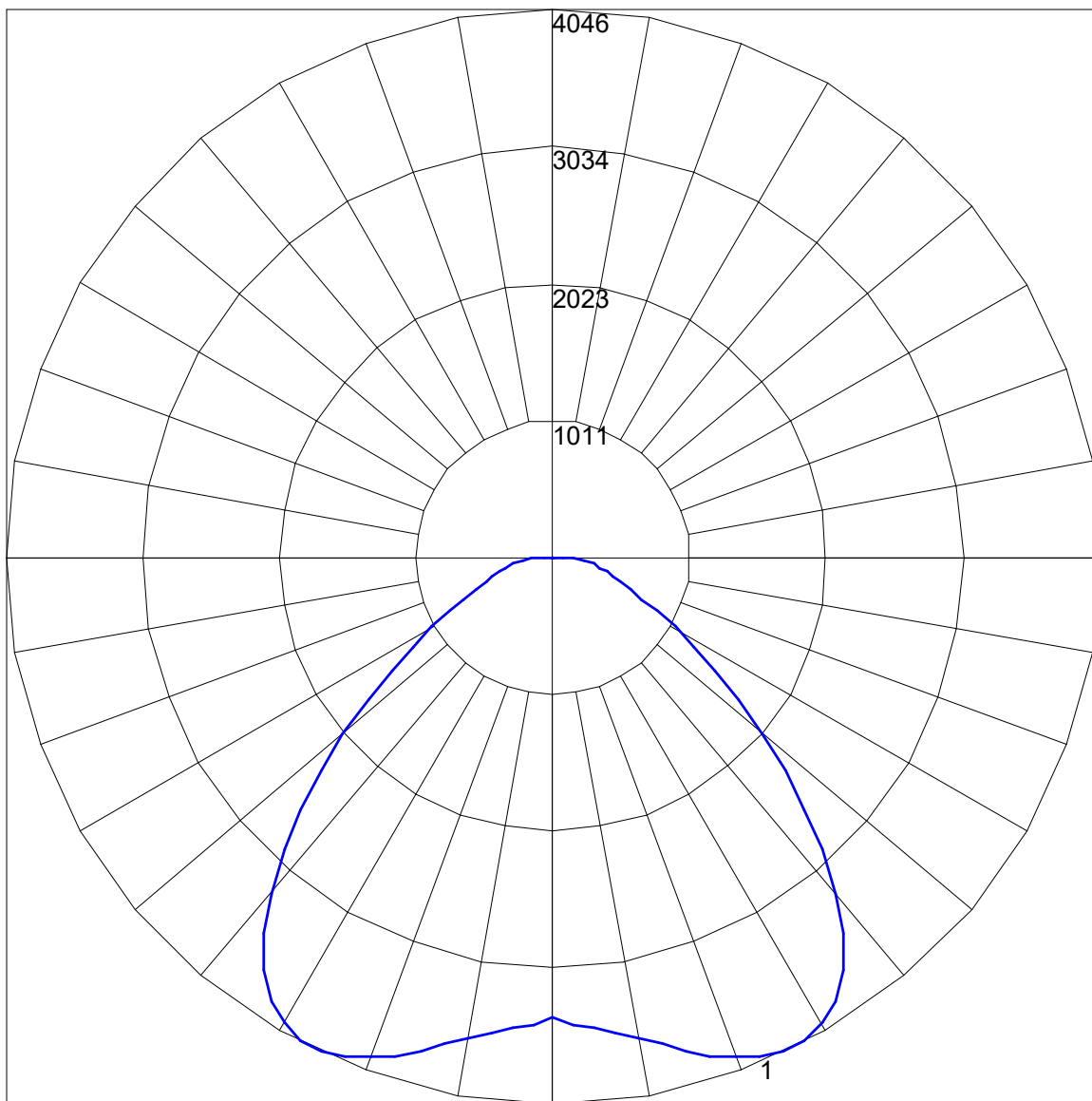
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	66	54	46	41	53	45	40	51	45	40	50	44	40	38
8	63	50	42	36	62	49	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	45	38	33	44	37	33	43	37	32	42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	28

POLAR GRAPH



Maximum Candela = 4045.55 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)