

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL27L835-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO32424.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 2/17/14
[MANUFAC] DAY-BRITE - CFI
[LUMCAT] 1SDL27L835-4-D-UNV-DIM
[LUMINAIRE] 1X4 SURFACE DUALED
[MORE] 2-LP3.2 3500K 2.05K RESISTOR 25W DRIVER
[LAMP] LED. LUMINAIRE OUTPUT = 2570 LMS
[TESTDATE] 2/17/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2570
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.85 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2752	2836	2880
55	2569	2674	2727
65	2236	2383	2409
75	1620	1815	1873
85	628	860	966

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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	937.62	937.62	937.62	937.62	937.62	937.62	937.62	937.62	937.62	937.62
2.5	931.33	935.52	936.52	939.18	939.91	939.18	936.52	935.52	931.33	935.52
5.0	928.65	932.27	933.15	936.59	936.71	936.59	933.15	932.27	928.65	932.27
7.5	923.62	926.96	927.57	932.41	931.91	932.41	927.57	926.96	923.62	926.96
10.0	916.01	920.10	920.19	924.77	925.61	924.77	920.19	920.10	916.01	920.10
12.5	906.44	911.36	911.43	915.34	914.27	915.34	911.43	911.36	906.44	911.36
15.0	894.51	900.06	900.66	902.43	903.79	902.43	900.66	900.06	894.51	900.06
17.5	880.79	886.23	886.51	890.02	889.97	890.02	886.51	886.23	880.79	886.23
20.0	864.57	869.55	871.61	876.32	874.42	876.32	871.61	869.55	864.57	869.55
22.5	845.71	851.29	854.41	859.58	858.52	859.58	854.41	851.29	845.71	851.29
25.0	824.99	831.72	834.62	839.96	840.10	839.96	834.62	831.72	824.99	831.72
27.5	802.54	810.16	813.29	818.10	819.54	818.10	813.29	810.16	802.54	810.16
30.0	779.31	785.95	791.37	795.44	795.26	795.44	791.37	785.95	779.31	785.95
32.5	753.44	760.10	767.14	770.83	771.43	770.83	767.14	760.10	753.44	760.10
35.0	725.28	732.69	738.97	744.57	747.74	744.57	738.97	732.69	725.28	732.69
37.5	695.46	703.34	709.25	717.48	720.60	717.48	709.25	703.34	695.46	703.34
40.0	665.11	672.35	680.23	690.02	691.09	690.02	680.23	672.35	665.11	672.35
42.5	633.30	640.11	650.45	659.68	659.93	659.68	650.45	640.11	633.30	640.11
45.0	599.96	606.92	618.14	625.42	627.76	625.42	618.14	606.92	599.96	606.92
47.5	564.73	571.63	584.26	590.66	594.28	590.66	584.26	571.63	564.73	571.63
50.0	528.54	535.49	548.70	555.99	559.39	555.99	548.70	535.49	528.54	535.49
52.5	491.93	498.23	511.17	519.55	521.41	519.55	511.17	498.23	491.93	498.23
55.0	454.20	460.57	472.72	479.68	482.13	479.68	472.72	460.57	454.20	460.57
57.5	414.66	422.43	433.33	439.41	441.38	439.41	433.33	422.43	414.66	422.43
60.0	373.75	382.56	393.17	399.14	400.97	399.14	393.17	382.56	373.75	382.56
62.5	332.54	341.69	352.62	357.14	358.11	357.14	352.62	341.69	332.54	341.69
65.0	291.32	300.50	310.47	313.40	313.78	313.40	310.47	300.50	291.32	300.50
67.5	249.48	259.09	268.42	268.60	269.76	268.60	268.42	259.09	249.48	259.09
70.0	207.99	218.07	225.69	225.99	227.92	225.99	225.69	218.07	207.99	218.07
72.5	167.53	178.56	184.19	185.59	187.77	185.59	184.19	178.56	167.53	178.56
75.0	129.22	140.54	144.79	147.21	149.43	147.21	144.79	140.54	129.22	140.54
77.5	93.57	104.08	108.66	111.35	113.41	111.35	108.66	104.08	93.57	104.08
80.0	61.68	70.38	75.72	78.19	80.02	78.19	75.72	70.38	61.68	70.38
82.5	35.73	42.25	46.61	48.35	50.40	48.35	46.61	42.25	35.73	42.25
85.0	16.86	20.95	23.10	23.90	25.95	23.90	23.10	20.95	16.86	20.95
87.5	5.72	6.54	6.85	7.85	10.71	7.85	6.85	6.54	5.72	6.54
90.0	1.06	0.77	0.67	1.15	2.37	1.15	0.67	0.77	1.06	0.77
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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CANDELA TABULATION - (Cont.)

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	937.62	937.62	937.62	937.62	937.62	937.62	937.62
2.5	936.52	939.18	939.91	939.18	936.52	935.52	931.33
5.0	933.15	936.59	936.71	936.59	933.15	932.27	928.65
7.5	927.57	932.41	931.91	932.41	927.57	926.96	923.62
10.0	920.19	924.77	925.61	924.77	920.19	920.10	916.01
12.5	911.43	915.34	914.27	915.34	911.43	911.36	906.44
15.0	900.66	902.43	903.79	902.43	900.66	900.06	894.51
17.5	886.51	890.02	889.97	890.02	886.51	886.23	880.79
20.0	871.61	876.32	874.42	876.32	871.61	869.55	864.57
22.5	854.41	859.58	858.52	859.58	854.41	851.29	845.71
25.0	834.62	839.96	840.10	839.96	834.62	831.72	824.99
27.5	813.29	818.10	819.54	818.10	813.29	810.16	802.54
30.0	791.37	795.44	795.26	795.44	791.37	785.95	779.31
32.5	767.14	770.83	771.43	770.83	767.14	760.10	753.44
35.0	738.97	744.57	747.74	744.57	738.97	732.69	725.28
37.5	709.25	717.48	720.60	717.48	709.25	703.34	695.46
40.0	680.23	690.02	691.09	690.02	680.23	672.35	665.11
42.5	650.45	659.68	659.93	659.68	650.45	640.11	633.30
45.0	618.14	625.42	627.76	625.42	618.14	606.92	599.96
47.5	584.26	590.66	594.28	590.66	584.26	571.63	564.73
50.0	548.70	555.99	559.39	555.99	548.70	535.49	528.54
52.5	511.17	519.55	521.41	519.55	511.17	498.23	491.93
55.0	472.72	479.68	482.13	479.68	472.72	460.57	454.20
57.5	433.33	439.41	441.38	439.41	433.33	422.43	414.66
60.0	393.17	399.14	400.97	399.14	393.17	382.56	373.75
62.5	352.62	357.14	358.11	357.14	352.62	341.69	332.54
65.0	310.47	313.40	313.78	313.40	310.47	300.50	291.32
67.5	268.42	268.60	269.76	268.60	268.42	259.09	249.48
70.0	225.69	225.99	227.92	225.99	225.69	218.07	207.99
72.5	184.19	185.59	187.77	185.59	184.19	178.56	167.53
75.0	144.79	147.21	149.43	147.21	144.79	140.54	129.22
77.5	108.66	111.35	113.41	111.35	108.66	104.08	93.57
80.0	75.72	78.19	80.02	78.19	75.72	70.38	61.68

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82.5	46.61	48.35	50.40	48.35	46.61	42.25	35.73
85.0	23.10	23.90	25.95	23.90	23.10	20.95	16.86
87.5	6.85	7.85	10.71	7.85	6.85	6.54	5.72
90.0	0.67	1.15	2.37	1.15	0.67	0.77	1.06
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	342.88	N.A.	13.30
0-30	727.46	N.A.	28.30
0-40	1189.08	N.A.	46.30
0-60	2083.87	N.A.	81.10
0-80	2539.68	N.A.	98.80
0-90	2570.19	N.A.	100.00
10-90	2481.45	N.A.	96.50
20-40	846.20	N.A.	32.90
20-50	1321.05	N.A.	51.40
40-70	1197.98	N.A.	46.60
60-80	455.81	N.A.	17.70
70-80	152.61	N.A.	5.90
80-90	30.50	N.A.	1.20
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2570.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.74
10-20	254.14
20-30	384.58
30-40	461.62
40-50	474.85
50-60	419.95
60-70	303.19
70-80	152.61
80-90	30.50
90-100	0.15
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

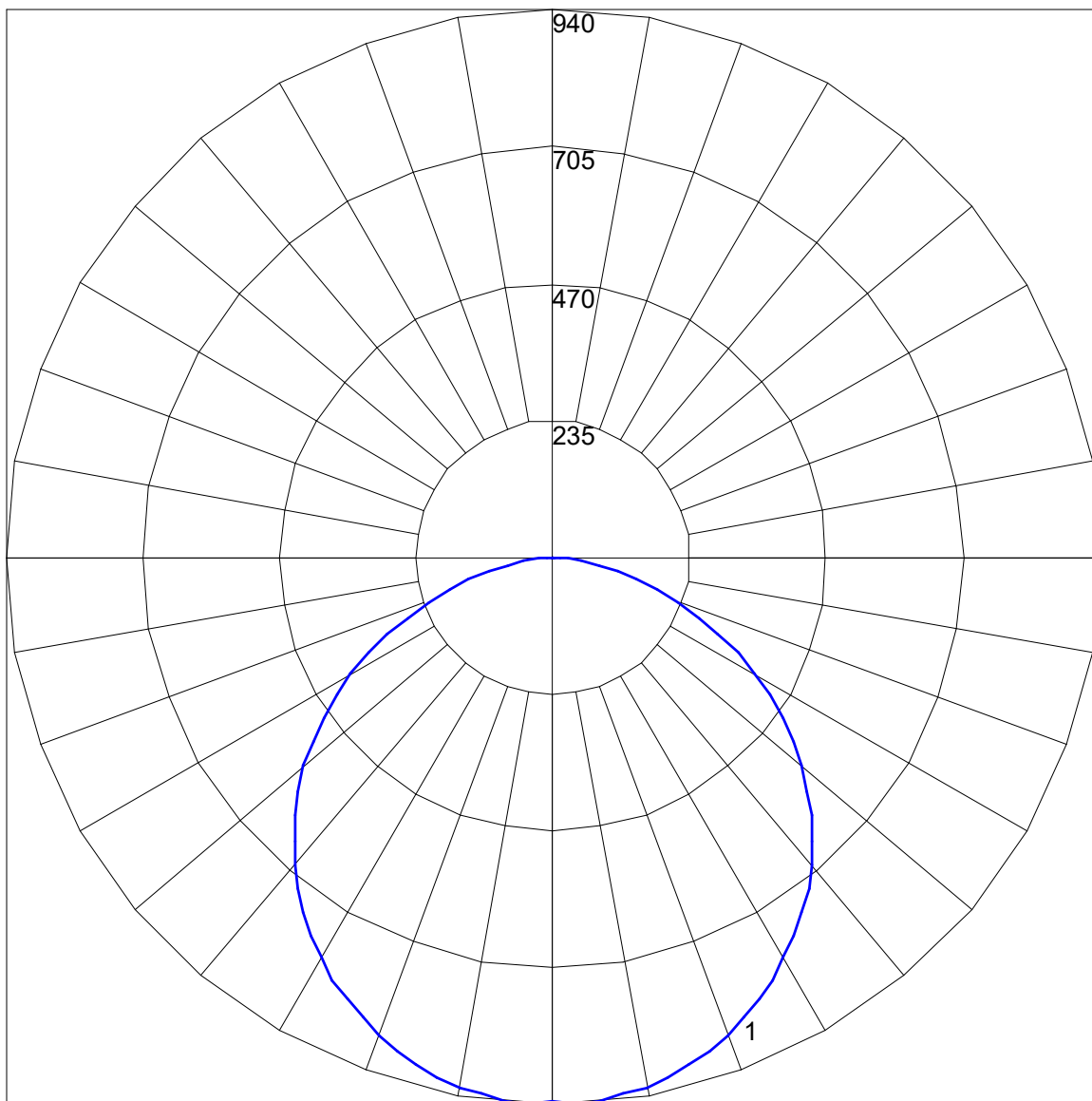
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 939.91 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)