

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO32453.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 2/24/14
[MANUFAC] DAY-BRITE - CFI
[LUMCAT] 1SDL36L835-4-D-UNV-DIM
[LUMINAIRE] 1X4 SURFACE DUALED
[MORE] 2-LP3.2 3500K BOARDS 3.92K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 3605 LMS
[TESTDATE] 2/24/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3605
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	40.4
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	3861	3980	4041
55	3603	3750	3825
65	3133	3341	3378
75	2268	2535	2630
85	888	1210	1394

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

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	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02
2.5	1305.85	1310.46	1311.79	1314.92	1314.35	1314.92	1311.79	1310.46	1305.85	1310.46
5.0	1301.94	1305.80	1306.91	1310.87	1310.19	1310.87	1306.91	1305.80	1301.94	1305.80
7.5	1294.91	1298.09	1298.90	1304.87	1303.79	1304.87	1298.90	1298.09	1294.91	1298.09
10.0	1284.40	1288.55	1288.65	1294.43	1294.79	1294.43	1288.65	1288.55	1284.40	1288.55
12.5	1271.08	1276.34	1276.65	1281.62	1279.16	1281.62	1276.65	1276.34	1271.08	1276.34
15.0	1254.80	1260.79	1261.51	1263.50	1264.31	1263.50	1261.51	1260.79	1254.80	1260.79
17.5	1235.63	1241.49	1242.31	1246.00	1245.54	1246.00	1242.31	1241.49	1235.63	1241.49
20.0	1213.18	1218.25	1221.49	1227.29	1223.98	1227.29	1221.49	1218.25	1213.18	1218.25
22.5	1186.97	1192.51	1197.86	1204.05	1202.07	1204.05	1197.86	1192.51	1186.97	1192.51
25.0	1158.41	1165.57	1170.30	1177.04	1176.92	1177.04	1170.30	1165.57	1158.41	1165.57
27.5	1127.41	1135.54	1140.23	1146.89	1148.17	1146.89	1140.23	1135.54	1127.41	1135.54
30.0	1094.47	1101.49	1109.97	1114.89	1114.57	1114.89	1109.97	1101.49	1094.47	1101.49
32.5	1057.40	1065.55	1075.88	1080.47	1081.24	1080.47	1075.88	1065.55	1057.40	1065.55
35.0	1017.58	1027.17	1036.28	1043.71	1048.02	1043.71	1036.28	1027.17	1017.58	1027.17
37.5	976.67	986.23	994.82	1006.23	1010.37	1006.23	994.82	986.23	976.67	986.23
40.0	934.38	942.88	954.23	967.78	968.99	967.78	954.23	942.88	934.38	942.88
42.5	889.62	897.82	912.81	925.20	925.82	925.20	912.81	897.82	889.62	897.82
45.0	841.68	851.36	867.57	877.50	880.75	877.50	867.57	851.36	841.68	851.36
47.5	792.07	802.09	820.08	829.34	833.97	829.34	820.08	802.09	792.07	802.09
50.0	742.13	751.16	769.86	780.63	785.05	780.63	769.86	751.16	742.13	751.16
52.5	690.75	699.05	717.18	729.58	731.43	729.58	717.18	699.05	690.75	699.05
55.0	637.14	646.55	663.09	673.46	676.24	673.46	663.09	646.55	637.14	646.55
57.5	581.25	592.84	607.69	617.26	619.11	617.26	607.69	592.84	581.25	592.84
60.0	524.22	536.75	551.38	560.92	561.70	560.92	551.38	536.75	524.22	536.75
62.5	466.63	479.44	494.43	501.94	501.72	501.94	494.43	479.44	466.63	479.44
65.0	408.10	421.82	435.29	440.34	440.03	440.34	435.29	421.82	408.10	421.82
67.5	349.41	364.09	375.58	377.86	378.18	377.86	375.58	364.09	349.41	364.09
70.0	291.75	306.60	315.90	317.74	318.87	317.74	315.90	306.60	291.75	306.60
72.5	235.26	251.08	257.77	261.12	262.72	261.12	257.77	251.08	235.26	251.08
75.0	180.92	197.70	202.23	207.43	209.80	207.43	202.23	197.70	180.92	197.70
77.5	130.89	146.60	151.59	156.74	159.35	156.74	151.59	146.60	130.89	146.60
80.0	86.94	99.26	105.66	110.67	112.79	110.67	105.66	99.26	86.94	99.26
82.5	50.35	59.71	65.53	69.20	71.31	69.20	65.53	59.71	50.35	59.71
85.0	23.85	29.77	32.51	34.93	37.46	34.93	32.51	29.77	23.85	29.77
87.5	8.07	9.53	9.81	11.90	16.03	11.90	9.81	9.53	8.07	9.53
90.0	1.51	1.12	1.17	1.86	3.61	1.86	1.17	1.12	1.51	1.12
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

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	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02	1313.02
2.5	1311.79	1314.92	1314.35	1314.92	1311.79	1310.46	1305.85
5.0	1306.91	1310.87	1310.19	1310.87	1306.91	1305.80	1301.94
7.5	1298.90	1304.87	1303.79	1304.87	1298.90	1298.09	1294.91
10.0	1288.65	1294.43	1294.79	1294.43	1288.65	1288.55	1284.40
12.5	1276.65	1281.62	1279.16	1281.62	1276.65	1276.34	1271.08
15.0	1261.51	1263.50	1264.31	1263.50	1261.51	1260.79	1254.80
17.5	1242.31	1246.00	1245.54	1246.00	1242.31	1241.49	1235.63
20.0	1221.49	1227.29	1223.98	1227.29	1221.49	1218.25	1213.18
22.5	1197.86	1204.05	1202.07	1204.05	1197.86	1192.51	1186.97
25.0	1170.30	1177.04	1176.92	1177.04	1170.30	1165.57	1158.41
27.5	1140.23	1146.89	1148.17	1146.89	1140.23	1135.54	1127.41
30.0	1109.97	1114.89	1114.57	1114.89	1109.97	1101.49	1094.47
32.5	1075.88	1080.47	1081.24	1080.47	1075.88	1065.55	1057.40
35.0	1036.28	1043.71	1048.02	1043.71	1036.28	1027.17	1017.58
37.5	994.82	1006.23	1010.37	1006.23	994.82	986.23	976.67
40.0	954.23	967.78	968.99	967.78	954.23	942.88	934.38
42.5	912.81	925.20	925.82	925.20	912.81	897.82	889.62
45.0	867.57	877.50	880.75	877.50	867.57	851.36	841.68
47.5	820.08	829.34	833.97	829.34	820.08	802.09	792.07
50.0	769.86	780.63	785.05	780.63	769.86	751.16	742.13
52.5	717.18	729.58	731.43	729.58	717.18	699.05	690.75
55.0	663.09	673.46	676.24	673.46	663.09	646.55	637.14
57.5	607.69	617.26	619.11	617.26	607.69	592.84	581.25
60.0	551.38	560.92	561.70	560.92	551.38	536.75	524.22
62.5	494.43	501.94	501.72	501.94	494.43	479.44	466.63
65.0	435.29	440.34	440.03	440.34	435.29	421.82	408.10
67.5	375.58	377.86	378.18	377.86	375.58	364.09	349.41
70.0	315.90	317.74	318.87	317.74	315.90	306.60	291.75
72.5	257.77	261.12	262.72	261.12	257.77	251.08	235.26
75.0	202.23	207.43	209.80	207.43	202.23	197.70	180.92
77.5	151.59	156.74	159.35	156.74	151.59	146.60	130.89
80.0	105.66	110.67	112.79	110.67	105.66	99.26	86.94

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

CANDELA TABULATION - (Cont.)

82.5	65.53	69.20	71.31	69.20	65.53	59.71	50.35
85.0	32.51	34.93	37.46	34.93	32.51	29.77	23.85
87.5	9.81	11.90	16.03	11.90	9.81	9.53	8.07
90.0	1.17	1.86	3.61	1.86	1.17	1.12	1.51
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	480.23	N.A.	13.30
0-30	1019.32	N.A.	28.30
0-40	1666.67	N.A.	46.20
0-60	2922.27	N.A.	81.10
0-80	3561.92	N.A.	98.80
0-90	3605.25	N.A.	100.00
10-90	3481.00	N.A.	96.50
20-40	1186.43	N.A.	32.90
20-50	1852.72	N.A.	51.40
40-70	1681.03	N.A.	46.60
60-80	639.65	N.A.	17.70
70-80	214.23	N.A.	5.90
80-90	43.33	N.A.	1.20
90-110	0.23	N.A.	0.00
90-120	0.23	N.A.	0.00
90-130	0.23	N.A.	0.00
90-150	0.23	N.A.	0.00
90-180	0.23	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3605.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.26
10-20	355.97
20-30	539.09
30-40	647.34
40-50	666.29
50-60	589.31
60-70	425.42
70-80	214.23
80-90	43.33
90-100	0.23
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

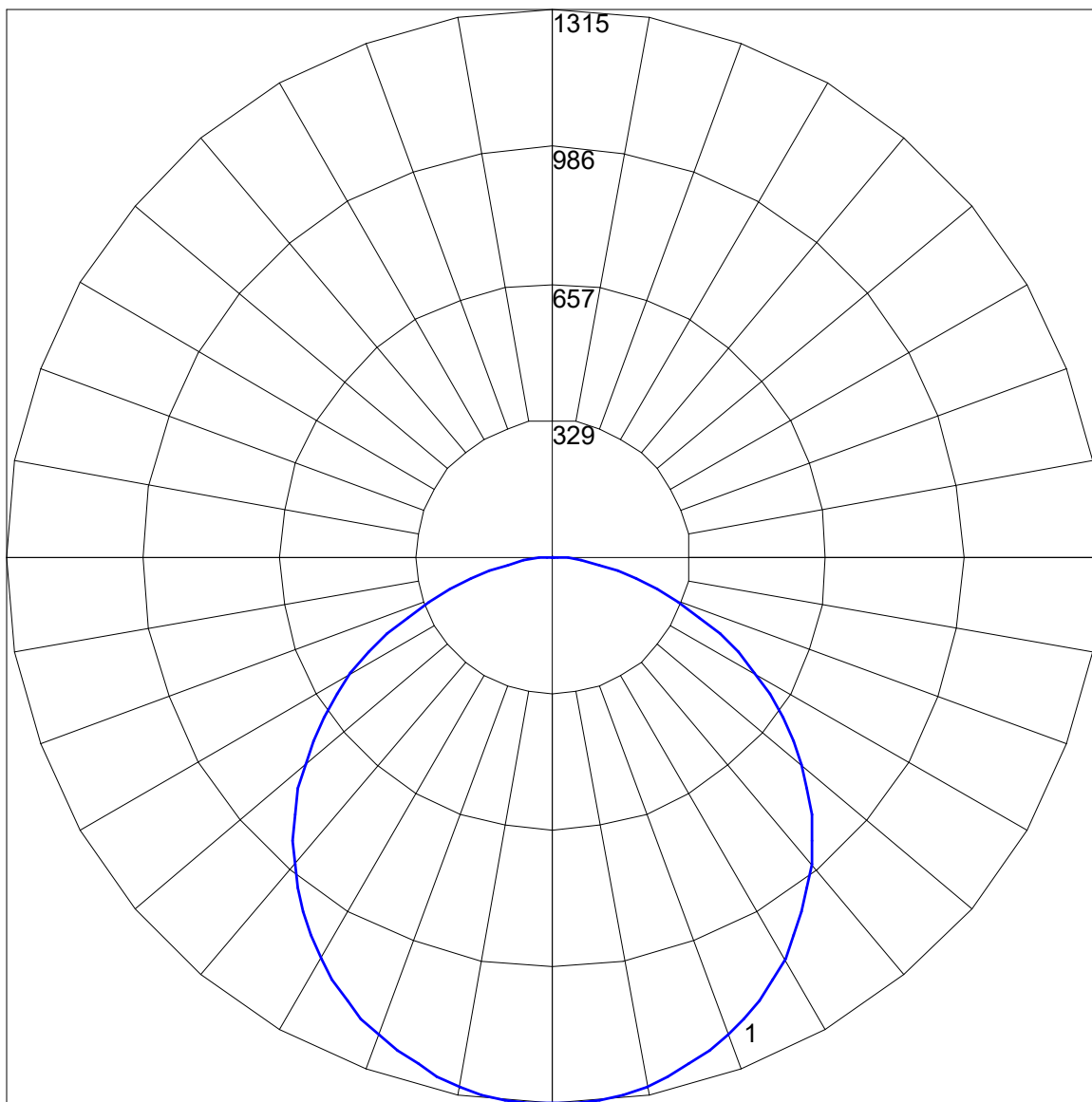
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SDL36L835-4-D-UNV-DIM.IES

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	100	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	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	61	53	47	59	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	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	45	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 = 1314.92 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)