

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SDL47L835-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO32457.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 2/24/14
[MANUFAC] DAY-BRITE - CFI
[LUMCAT] 1SDL47L835-4-D-UNV-DIM
[LUMINAIRE] 1X4 SURFACE DUALED
[MORE] 2-LP3.2 3500K BOARDS 6.98K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 4472 LMS
[TESTDATE] 2/24/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4472
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	53.2
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	4787	4939	5014
55	4465	4654	4742
65	3881	4146	4184
75	2803	3147	3256
85	1088	1490	1691

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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	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14
2.5	1619.75	1626.65	1628.64	1633.05	1633.56	1633.05	1628.64	1626.65	1619.75	1626.65
5.0	1614.80	1620.92	1622.43	1628.39	1628.27	1628.39	1622.43	1620.92	1614.80	1620.92
7.5	1606.32	1611.62	1612.72	1620.59	1620.09	1620.59	1612.72	1611.62	1606.32	1611.62
10.0	1593.24	1599.69	1600.22	1607.76	1609.21	1607.76	1600.22	1599.69	1593.24	1599.69
12.5	1576.65	1584.60	1584.97	1591.42	1589.52	1591.42	1584.97	1584.60	1576.65	1584.60
15.0	1556.40	1565.00	1566.28	1569.10	1570.86	1569.10	1566.28	1565.00	1556.40	1565.00
17.5	1532.61	1541.13	1542.13	1547.67	1547.53	1547.67	1542.13	1541.13	1532.61	1541.13
20.0	1504.61	1512.26	1516.27	1524.27	1520.89	1524.27	1516.27	1512.26	1504.61	1512.26
22.5	1472.49	1480.02	1487.08	1494.89	1493.22	1494.89	1487.08	1480.02	1472.49	1480.02
25.0	1437.36	1446.10	1452.76	1461.09	1461.65	1461.09	1452.76	1446.10	1437.36	1446.10
27.5	1398.98	1408.83	1415.72	1423.70	1426.10	1423.70	1415.72	1408.83	1398.98	1408.83
30.0	1357.10	1366.73	1377.85	1384.10	1383.94	1384.10	1377.85	1366.73	1357.10	1366.73
32.5	1311.00	1321.94	1335.73	1341.40	1342.39	1341.40	1335.73	1321.94	1311.00	1321.94
35.0	1262.54	1274.14	1286.62	1295.43	1301.16	1295.43	1286.62	1274.14	1262.54	1274.14
37.5	1212.25	1223.66	1234.66	1248.73	1253.93	1248.73	1234.66	1223.66	1212.25	1223.66
40.0	1159.16	1169.69	1184.13	1200.94	1202.76	1200.94	1184.13	1169.69	1159.16	1169.69
42.5	1102.79	1113.41	1132.53	1148.16	1148.95	1148.16	1132.53	1113.41	1102.79	1113.41
45.0	1043.49	1055.58	1076.61	1088.89	1092.85	1088.89	1076.61	1055.58	1043.49	1055.58
47.5	983.04	994.73	1017.60	1028.68	1034.56	1028.68	1017.60	994.73	983.04	994.73
50.0	921.25	931.43	955.35	968.07	973.79	968.07	955.35	931.43	921.25	931.43
52.5	856.65	866.36	890.09	904.25	907.25	904.25	890.09	866.36	856.65	866.36
55.0	789.48	801.16	822.95	834.52	838.52	834.52	822.95	801.16	789.48	801.16
57.5	720.90	734.54	754.48	764.44	767.68	764.44	754.48	734.54	720.90	734.54
60.0	650.66	665.12	684.28	694.64	696.91	694.64	684.28	665.12	650.66	665.12
62.5	578.55	593.70	613.77	621.70	622.21	621.70	613.77	593.70	578.55	593.70
65.0	505.64	522.15	540.14	545.68	545.12	545.68	540.14	522.15	505.64	522.15
67.5	433.14	450.21	466.19	468.13	468.28	468.13	466.19	450.21	433.14	450.21
70.0	361.66	378.92	392.14	393.77	395.12	393.77	392.14	378.92	361.66	378.92
72.5	291.04	309.77	320.27	323.53	325.69	323.53	320.27	309.77	291.04	309.77
75.0	223.60	243.93	251.12	256.43	259.80	256.43	251.12	243.93	223.60	243.93
77.5	161.69	180.66	187.76	193.58	196.74	193.58	187.76	180.66	161.69	180.66
80.0	107.30	122.25	130.98	136.60	138.75	136.60	130.98	122.25	107.30	122.25
82.5	62.23	73.59	80.92	84.89	87.08	84.89	80.92	73.59	62.23	73.59
85.0	29.23	36.46	40.02	42.21	45.42	42.21	40.02	36.46	29.23	36.46
87.5	10.08	11.55	11.74	14.11	19.16	14.11	11.74	11.55	10.08	11.55
90.0	1.89	1.20	1.37	2.22	4.08	2.22	1.37	1.20	1.89	1.20
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	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14	1630.14
2.5	1628.64	1633.05	1633.56	1633.05	1628.64	1626.65	1619.75
5.0	1622.43	1628.39	1628.27	1628.39	1622.43	1620.92	1614.80
7.5	1612.72	1620.59	1620.09	1620.59	1612.72	1611.62	1606.32
10.0	1600.22	1607.76	1609.21	1607.76	1600.22	1599.69	1593.24
12.5	1584.97	1591.42	1589.52	1591.42	1584.97	1584.60	1576.65
15.0	1566.28	1569.10	1570.86	1569.10	1566.28	1565.00	1556.40
17.5	1542.13	1547.67	1547.53	1547.67	1542.13	1541.13	1532.61
20.0	1516.27	1524.27	1520.89	1524.27	1516.27	1512.26	1504.61
22.5	1487.08	1494.89	1493.22	1494.89	1487.08	1480.02	1472.49
25.0	1452.76	1461.09	1461.65	1461.09	1452.76	1446.10	1437.36
27.5	1415.72	1423.70	1426.10	1423.70	1415.72	1408.83	1398.98
30.0	1377.85	1384.10	1383.94	1384.10	1377.85	1366.73	1357.10
32.5	1335.73	1341.40	1342.39	1341.40	1335.73	1321.94	1311.00
35.0	1286.62	1295.43	1301.16	1295.43	1286.62	1274.14	1262.54
37.5	1234.66	1248.73	1253.93	1248.73	1234.66	1223.66	1212.25
40.0	1184.13	1200.94	1202.76	1200.94	1184.13	1169.69	1159.16
42.5	1132.53	1148.16	1148.95	1148.16	1132.53	1113.41	1102.79
45.0	1076.61	1088.89	1092.85	1088.89	1076.61	1055.58	1043.49
47.5	1017.60	1028.68	1034.56	1028.68	1017.60	994.73	983.04
50.0	955.35	968.07	973.79	968.07	955.35	931.43	921.25
52.5	890.09	904.25	907.25	904.25	890.09	866.36	856.65
55.0	822.95	834.52	838.52	834.52	822.95	801.16	789.48
57.5	754.48	764.44	767.68	764.44	754.48	734.54	720.90
60.0	684.28	694.64	696.91	694.64	684.28	665.12	650.66
62.5	613.77	621.70	622.21	621.70	613.77	593.70	578.55
65.0	540.14	545.68	545.12	545.68	540.14	522.15	505.64
67.5	466.19	468.13	468.28	468.13	466.19	450.21	433.14
70.0	392.14	393.77	395.12	393.77	392.14	378.92	361.66
72.5	320.27	323.53	325.69	323.53	320.27	309.77	291.04
75.0	251.12	256.43	259.80	256.43	251.12	243.93	223.60
77.5	187.76	193.58	196.74	193.58	187.76	180.66	161.69
80.0	130.98	136.60	138.75	136.60	130.98	122.25	107.30

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CANDELA TABULATION - (Cont.)

82.5	80.92	84.89	87.08	84.89	80.92	73.59	62.23
85.0	40.02	42.21	45.42	42.21	40.02	36.46	29.23
87.5	11.74	14.11	19.16	14.11	11.74	11.55	10.08
90.0	1.37	2.22	4.08	2.22	1.37	1.20	1.89
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	596.25	N.A.	13.30
0-30	1265.41	N.A.	28.30
0-40	2068.79	N.A.	46.30
0-60	3626.08	N.A.	81.10
0-80	4418.41	N.A.	98.80
0-90	4471.59	N.A.	100.00
10-90	4317.3	N.A.	96.50
20-40	1472.54	N.A.	32.90
20-50	2299.11	N.A.	51.40
40-70	2084.53	N.A.	46.60
60-80	792.33	N.A.	17.70
70-80	265.09	N.A.	5.90
80-90	53.18	N.A.	1.20
90-110	0.27	N.A.	0.00
90-120	0.27	N.A.	0.00
90-130	0.27	N.A.	0.00
90-150	0.27	N.A.	0.00
90-180	0.27	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4471.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.29
10-20	441.96
20-30	669.16
30-40	803.38
40-50	826.58
50-60	730.72
60-70	527.24
70-80	265.09
80-90	53.18
90-100	0.27
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

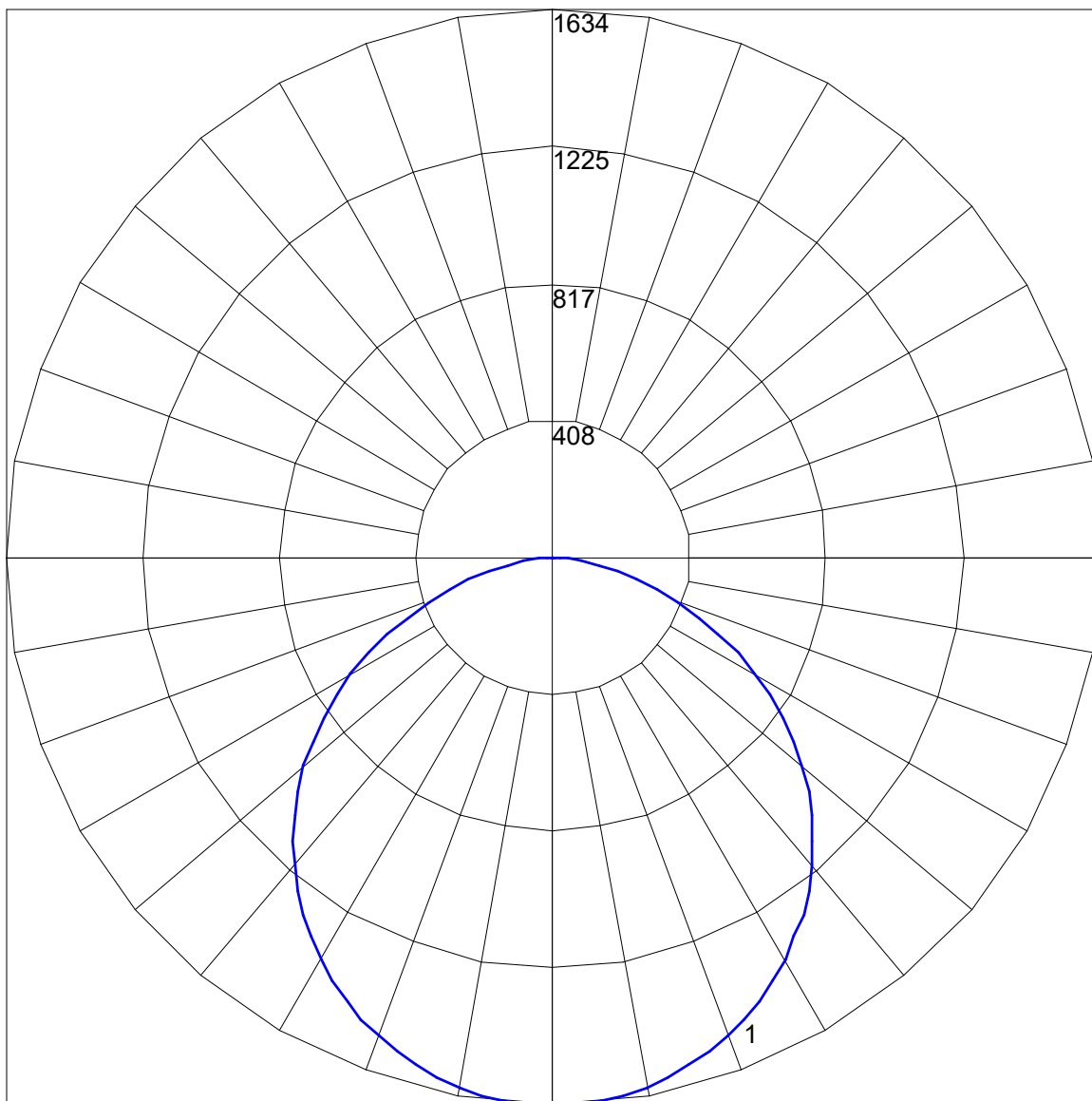
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	100	97	106	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	76	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 = 1633.56 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)