

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2SDL58L835-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO33213.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 7/22/14
[MANUFAC] DAY-BRITE - CFI
[LUMCAT] 2SDL58L835-4-D-UNV-DIM
[LUMINAIRE] 2X4 SURFACE DUALED
[MORE] 4-LP 3.2 3500K BOARDS 2-25W DRIVERS 2.21K RESISTORS
[LAMP] LED. LUMINAIRE OUTPUT = 5610 LMS
[TEST DATE] 7/22/14

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5610
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	58.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.70 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2777	2816	2842
55	2668	2734	2762
65	2514	2599	2590
75	2295	2316	2243
85	1976	1557	1439

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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	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02
2.5	1934.06	1933.78	1936.91	1934.93	1941.62	1934.93	1936.91	1933.78	1934.06	1933.78
5.0	1927.81	1926.99	1931.61	1929.09	1937.09	1929.09	1931.61	1926.99	1927.81	1926.99
7.5	1917.28	1916.28	1921.62	1919.26	1927.90	1919.26	1921.62	1916.28	1917.28	1916.28
10.0	1902.47	1901.07	1906.70	1906.11	1911.78	1906.11	1906.70	1901.07	1902.47	1901.07
12.5	1883.45	1881.64	1887.64	1887.30	1893.94	1887.30	1887.64	1881.64	1883.45	1881.64
15.0	1860.04	1858.58	1865.28	1864.19	1869.45	1864.19	1865.28	1858.58	1860.04	1858.58
17.5	1832.63	1831.38	1838.29	1837.01	1842.19	1837.01	1838.29	1831.38	1832.63	1831.38
20.0	1800.29	1799.58	1806.22	1805.10	1811.47	1805.10	1806.22	1799.58	1800.29	1799.58
22.5	1763.62	1763.90	1770.68	1770.34	1775.37	1770.34	1770.68	1763.90	1763.62	1763.90
25.0	1723.66	1723.57	1732.51	1732.07	1735.87	1732.07	1732.51	1723.57	1723.66	1723.57
27.5	1680.56	1680.49	1690.03	1689.66	1691.90	1689.66	1690.03	1680.49	1680.56	1680.49
30.0	1633.44	1633.98	1641.49	1643.41	1646.86	1643.41	1641.49	1633.98	1633.44	1633.98
32.5	1581.59	1583.10	1589.43	1594.17	1598.69	1594.17	1589.43	1583.10	1581.59	1583.10
35.0	1526.78	1528.70	1537.41	1543.38	1546.25	1543.38	1537.41	1528.70	1526.78	1528.70
37.5	1469.99	1471.03	1483.55	1489.92	1493.35	1489.92	1483.55	1471.03	1469.99	1471.03
40.0	1410.64	1410.78	1425.75	1432.15	1436.37	1432.15	1425.75	1410.78	1410.64	1410.78
42.5	1348.53	1349.48	1364.68	1371.89	1376.52	1371.89	1364.68	1349.48	1348.53	1349.48
45.0	1283.45	1286.45	1301.76	1310.43	1313.87	1310.43	1301.76	1286.45	1283.45	1286.45
47.5	1215.87	1220.06	1236.24	1244.73	1249.06	1244.73	1236.24	1220.06	1215.87	1220.06
50.0	1146.06	1151.03	1167.67	1176.57	1180.67	1176.57	1167.67	1151.03	1146.06	1151.03
52.5	1073.86	1080.90	1097.64	1105.35	1110.04	1105.35	1097.64	1080.90	1073.86	1080.90
55.0	1000.22	1009.25	1025.02	1032.46	1035.65	1032.46	1025.02	1009.25	1000.22	1009.25
57.5	925.49	935.58	951.15	957.22	960.14	957.22	951.15	935.58	925.49	935.58
60.0	848.82	860.95	875.68	879.51	881.92	879.51	875.68	860.95	848.82	860.95
62.5	771.78	786.00	797.78	800.01	800.74	800.01	797.78	786.00	771.78	786.00
65.0	694.61	709.01	718.04	717.41	715.45	717.41	718.04	709.01	694.61	709.01
67.5	616.48	630.74	636.95	631.99	629.47	631.99	636.95	630.74	616.48	630.74
70.0	538.42	553.17	554.49	547.34	544.61	547.34	554.49	553.17	538.42	553.17
72.5	461.70	476.00	472.48	464.41	461.89	464.41	472.48	476.00	461.70	476.00
75.0	388.24	399.65	391.92	382.43	379.51	382.43	391.92	399.65	388.24	399.65
77.5	315.77	323.17	311.05	301.67	299.30	301.67	311.05	323.17	315.77	323.17
80.0	244.33	246.38	231.67	224.52	222.58	224.52	231.67	246.38	244.33	246.38
82.5	176.07	171.08	157.14	152.00	151.26	152.00	157.14	171.08	176.07	171.08
85.0	112.59	100.79	88.69	82.88	82.00	82.88	88.69	100.79	112.59	100.79
87.5	50.56	38.57	32.36	34.75	40.46	34.75	32.36	38.57	50.56	38.57
90.0	1.58	2.57	4.41	6.75	9.90	6.75	4.41	2.57	1.58	2.57
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	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02	1938.02
2.5	1936.91	1934.93	1941.62	1934.93	1936.91	1933.78	1934.06
5.0	1931.61	1929.09	1937.09	1929.09	1931.61	1926.99	1927.81
7.5	1921.62	1919.26	1927.90	1919.26	1921.62	1916.28	1917.28
10.0	1906.70	1906.11	1911.78	1906.11	1906.70	1901.07	1902.47
12.5	1887.64	1887.30	1893.94	1887.30	1887.64	1881.64	1883.45
15.0	1865.28	1864.19	1869.45	1864.19	1865.28	1858.58	1860.04
17.5	1838.29	1837.01	1842.19	1837.01	1838.29	1831.38	1832.63
20.0	1806.22	1805.10	1811.47	1805.10	1806.22	1799.58	1800.29
22.5	1770.68	1770.34	1775.37	1770.34	1770.68	1763.90	1763.62
25.0	1732.51	1732.07	1735.87	1732.07	1732.51	1723.57	1723.66
27.5	1690.03	1689.66	1691.90	1689.66	1690.03	1680.49	1680.56
30.0	1641.49	1643.41	1646.86	1643.41	1641.49	1633.98	1633.44
32.5	1589.43	1594.17	1598.69	1594.17	1589.43	1583.10	1581.59
35.0	1537.41	1543.38	1546.25	1543.38	1537.41	1528.70	1526.78
37.5	1483.55	1489.92	1493.35	1489.92	1483.55	1471.03	1469.99
40.0	1425.75	1432.15	1436.37	1432.15	1425.75	1410.78	1410.64
42.5	1364.68	1371.89	1376.52	1371.89	1364.68	1349.48	1348.53
45.0	1301.76	1310.43	1313.87	1310.43	1301.76	1286.45	1283.45
47.5	1236.24	1244.73	1249.06	1244.73	1236.24	1220.06	1215.87
50.0	1167.67	1176.57	1180.67	1176.57	1167.67	1151.03	1146.06
52.5	1097.64	1105.35	1110.04	1105.35	1097.64	1080.90	1073.86
55.0	1025.02	1032.46	1035.65	1032.46	1025.02	1009.25	1000.22
57.5	951.15	957.22	960.14	957.22	951.15	935.58	925.49
60.0	875.68	879.51	881.92	879.51	875.68	860.95	848.82
62.5	797.78	800.01	800.74	800.01	797.78	786.00	771.78
65.0	718.04	717.41	715.45	717.41	718.04	709.01	694.61
67.5	636.95	631.99	629.47	631.99	636.95	630.74	616.48
70.0	554.49	547.34	544.61	547.34	554.49	553.17	538.42
72.5	472.48	464.41	461.89	464.41	472.48	476.00	461.70
75.0	391.92	382.43	379.51	382.43	391.92	399.65	388.24
77.5	311.05	301.67	299.30	301.67	311.05	323.17	315.77
80.0	231.67	224.52	222.58	224.52	231.67	246.38	244.33

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82.5	157.14	152.00	151.26	152.00	157.14	171.08	176.07
85.0	88.69	82.88	82.00	82.88	88.69	100.79	112.59
87.5	32.36	34.75	40.46	34.75	32.36	38.57	50.56
90.0	4.41	6.75	9.90	6.75	4.41	2.57	1.58
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	709.26	N.A.	12.60
0-30	1506.25	N.A.	26.80
0-40	2467.68	N.A.	44.00
0-60	4381.98	N.A.	78.10
0-80	5497.53	N.A.	98.00
0-90	5609.22	N.A.	100.00
10-90	5425.77	N.A.	96.70
20-40	1758.42	N.A.	31.30
20-50	2760.28	N.A.	49.20
40-70	2618.34	N.A.	46.70
60-80	1115.55	N.A.	19.90
70-80	411.51	N.A.	7.30
80-90	111.69	N.A.	2.00
90-110	0.67	N.A.	0.00
90-120	0.67	N.A.	0.00
90-130	0.67	N.A.	0.00
90-150	0.67	N.A.	0.00
90-180	0.67	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5609.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.45
10-20	525.81
20-30	796.99
30-40	961.43
40-50	1001.87
50-60	912.43
60-70	704.04
70-80	411.51
80-90	111.69
90-100	0.67
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

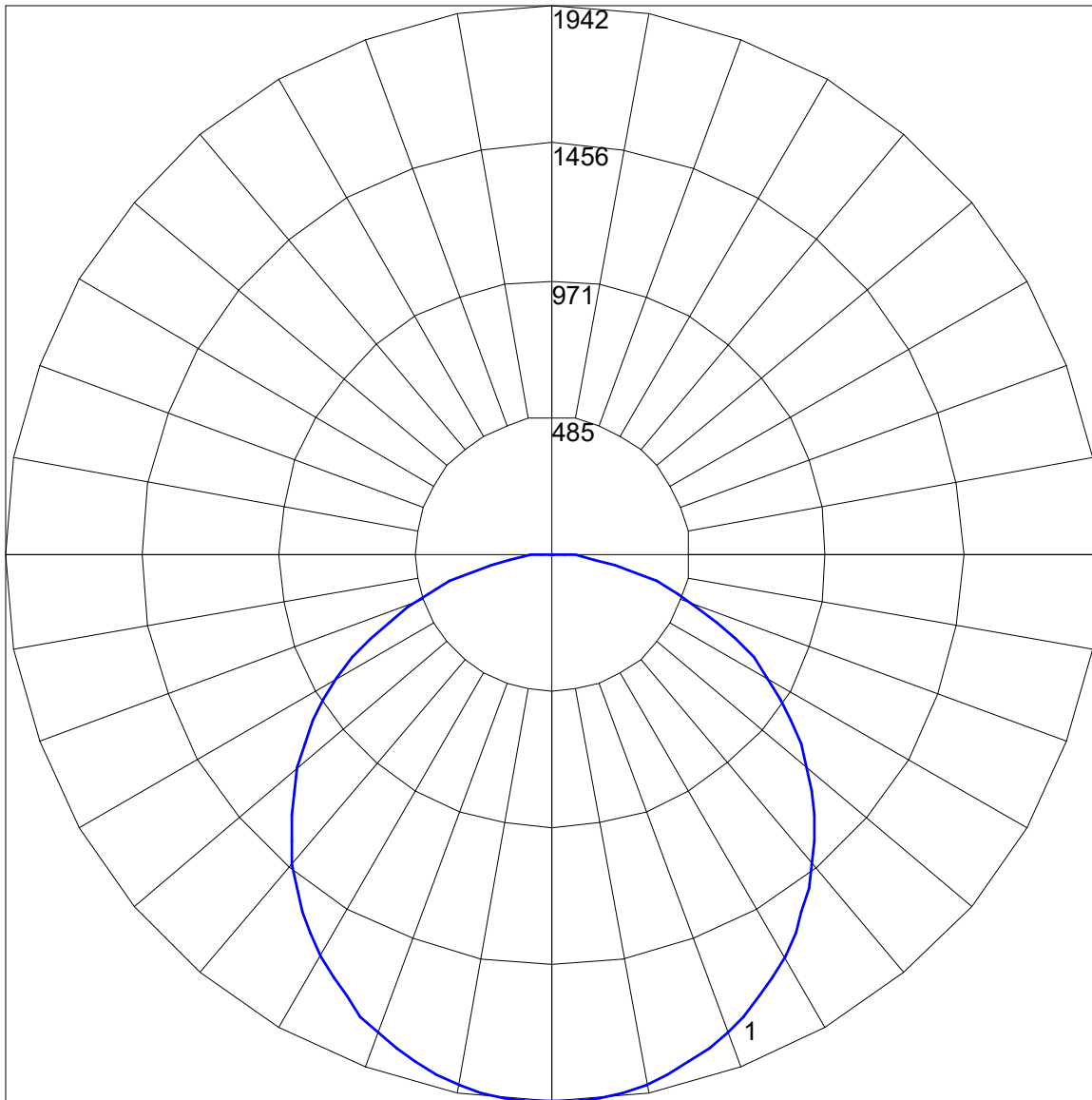
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1941.62 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)