



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-55L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/10/17
[TEST]DATE]04/26/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-55L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6168
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4341	5220	6019
55	3981	5337	6621
65	3602	5423	7398
75	3068	5724	8918
85	2348	6198	10236

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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>
0.0	1799.258	1799.258	1799.258	1799.258	1799.258
2.5	1832.747	1820.569	1799.258	1784.036	1774.903
5.0	1832.747	1817.525	1802.303	1784.036	1774.903
7.5	1823.614	1811.436	1796.214	1787.080	1777.947
10.0	1811.436	1802.303	1793.169	1787.080	1784.036
12.5	1793.169	1787.080	1784.036	1780.992	1784.036
15.0	1774.903	1774.903	1777.947	1784.036	1780.992
17.5	1747.503	1750.547	1762.725	1774.903	1777.947
20.0	1717.059	1726.192	1747.503	1771.858	1777.947
22.5	1680.525	1692.703	1726.192	1759.681	1768.814
25.0	1640.948	1656.170	1701.836	1747.503	1762.725
27.5	1592.237	1616.592	1677.481	1735.325	1753.592
30.0	1537.437	1567.881	1640.948	1714.014	1738.370
32.5	1479.593	1516.126	1607.459	1689.659	1723.147
35.0	1421.749	1464.371	1567.881	1668.348	1701.836
37.5	1354.771	1403.482	1522.215	1634.859	1677.481
40.0	1284.749	1342.594	1476.549	1601.370	1647.037
42.5	1214.728	1278.661	1427.838	1564.837	1613.548
45.0	1141.661	1211.683	1373.038	1522.215	1583.104
47.5	1074.684	1141.661	1318.238	1482.637	1546.570
50.0	1001.617	1071.639	1257.350	1436.971	1503.948
52.5	925.507	1001.617	1199.505	1391.305	1455.238
55.0	849.396	931.596	1138.617	1336.505	1412.616
57.5	779.374	858.529	1068.595	1278.661	1360.860
60.0	703.263	782.419	1001.617	1214.728	1296.927
62.5	636.286	712.397	931.596	1156.883	1236.039
65.0	566.264	636.286	852.440	1083.817	1162.972
67.5	496.242	563.220	782.419	1010.751	1099.039
70.0	426.220	490.153	703.263	937.684	1022.928
72.5	362.287	420.131	627.153	861.574	949.862
75.0	295.310	353.154	551.042	776.330	858.529
77.5	234.421	286.176	468.842	678.908	764.152
80.0	179.621	225.288	386.643	578.442	648.464
82.5	127.866	161.355	295.310	450.576	508.420
85.0	76.111	103.511	200.932	301.399	331.843
87.5	33.489	42.622	91.333	127.866	130.910
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	674.11	N.A.	10.90
0-30	1459.27	N.A.	23.70
0-40	2437.87	N.A.	39.50
0-60	4506.72	N.A.	73.10
0-80	5951.19	N.A.	96.50
0-90	6167.59	N.A.	100.00
10-90	5995.85	N.A.	97.20
20-40	1763.76	N.A.	28.60
20-50	2819.58	N.A.	45.70
40-70	2920.4	N.A.	47.40
60-80	1444.47	N.A.	23.40
70-80	592.91	N.A.	9.60
80-90	216.40	N.A.	3.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6167.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.74
10-20	502.37
20-30	785.15
30-40	978.60
40-50	1055.82
50-60	1013.03
60-70	851.55
70-80	592.91
80-90	216.40
90-100	0.00
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

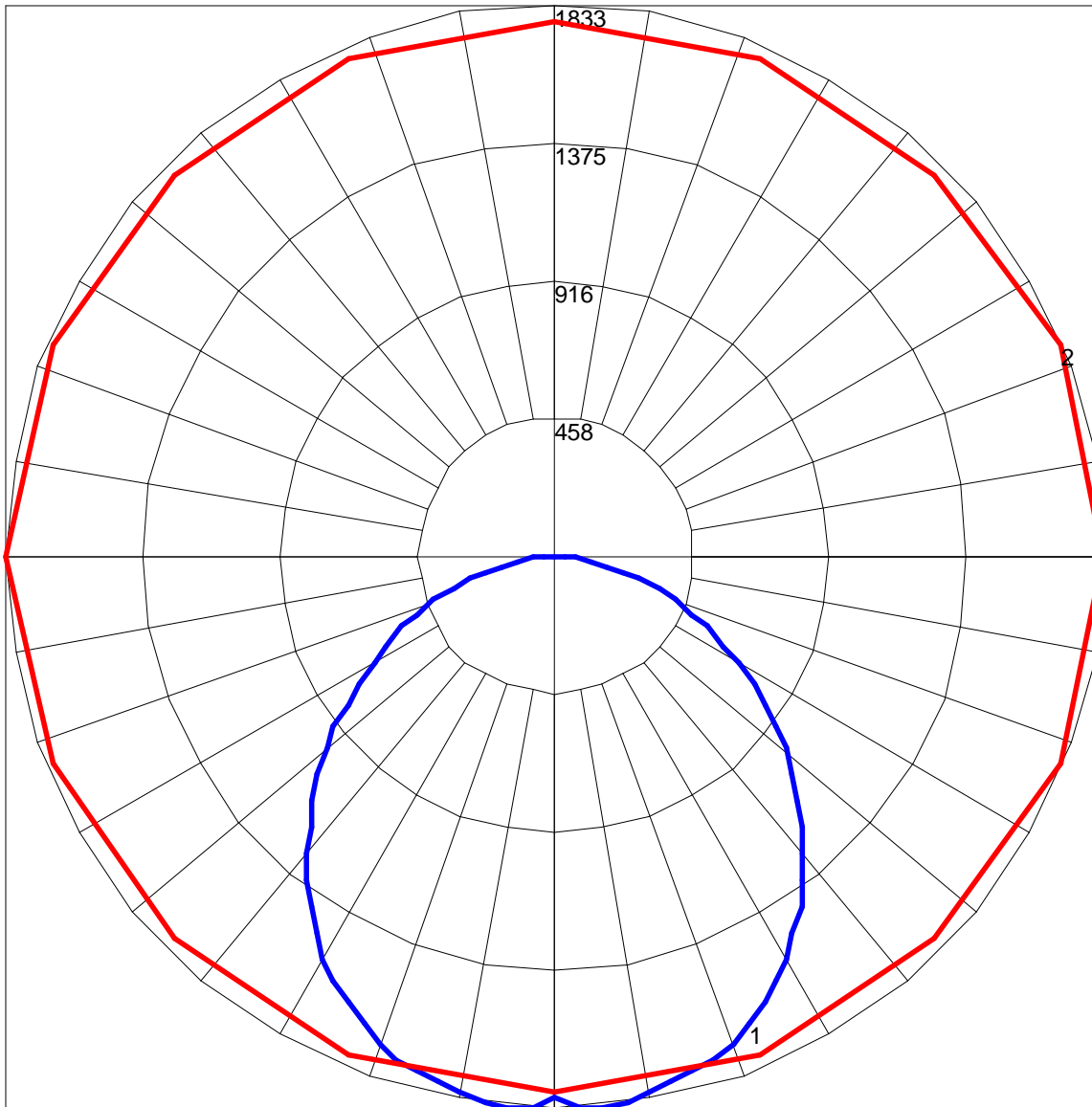
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1832.747 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)