



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-45L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-45L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5001
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	36.1
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	3519	4233	4880
55	3228	4327	5368
65	2921	4397	5998
75	2487	4641	7231
85	1904	5025	8300

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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	1458.836	1458.836	1458.836	1458.836	1458.836
2.5	1485.989	1476.115	1458.836	1446.494	1439.089
5.0	1485.989	1473.647	1461.305	1446.494	1439.089
7.5	1478.584	1468.710	1456.368	1448.963	1441.557
10.0	1468.710	1461.305	1453.899	1448.963	1446.494
12.5	1453.899	1448.963	1446.494	1444.026	1446.494
15.0	1439.089	1439.089	1441.557	1446.494	1444.026
17.5	1416.873	1419.342	1429.215	1439.089	1441.557
20.0	1392.189	1399.594	1416.873	1436.620	1441.557
22.5	1362.568	1372.442	1399.594	1426.747	1434.152
25.0	1330.478	1342.820	1379.847	1416.873	1429.215
27.5	1290.984	1310.731	1360.099	1406.999	1421.810
30.0	1246.552	1271.236	1330.478	1389.720	1409.468
32.5	1199.652	1229.273	1303.326	1369.973	1397.126
35.0	1152.752	1187.310	1271.236	1352.694	1379.847
37.5	1098.447	1137.942	1234.210	1325.542	1360.099
40.0	1041.673	1088.573	1197.184	1298.389	1335.415
42.5	984.900	1036.736	1157.689	1268.768	1308.263
45.0	925.658	982.431	1113.257	1234.210	1283.578
47.5	871.352	925.658	1068.826	1202.121	1253.957
50.0	812.110	868.884	1019.457	1165.094	1219.399
52.5	750.400	812.110	972.557	1128.068	1179.905
55.0	688.689	755.337	923.189	1083.636	1145.347
57.5	631.916	696.094	866.415	1036.736	1103.384
60.0	570.205	634.384	812.110	984.900	1051.547
62.5	515.900	577.610	755.337	938.000	1002.179
65.0	459.126	515.900	691.158	878.758	942.936
67.5	402.352	456.658	634.384	819.515	891.100
70.0	345.579	397.416	570.205	760.273	829.389
72.5	293.742	340.642	508.495	698.563	770.147
75.0	239.437	286.337	446.784	629.447	696.094
77.5	190.068	232.031	380.137	550.458	619.573
80.0	145.637	182.663	313.489	469.000	525.773
82.5	103.674	130.826	239.437	365.326	412.226
85.0	61.711	83.926	162.916	244.374	269.058
87.5	27.153	34.558	74.053	103.674	106.142
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	546.57	N.A.	10.90
0-30	1183.17	N.A.	23.70
0-40	1976.62	N.A.	39.50
0-60	3654.04	N.A.	73.10
0-80	4825.21	N.A.	96.50
0-90	5000.67	N.A.	100.00
10-90	4861.42	N.A.	97.20
20-40	1430.05	N.A.	28.60
20-50	2286.11	N.A.	45.70
40-70	2367.86	N.A.	47.40
60-80	1171.17	N.A.	23.40
70-80	480.73	N.A.	9.60
80-90	175.46	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	5000.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.25
10-20	407.32
20-30	636.60
30-40	793.45
40-50	856.06
50-60	821.36
60-70	690.44
70-80	480.73
80-90	175.46
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

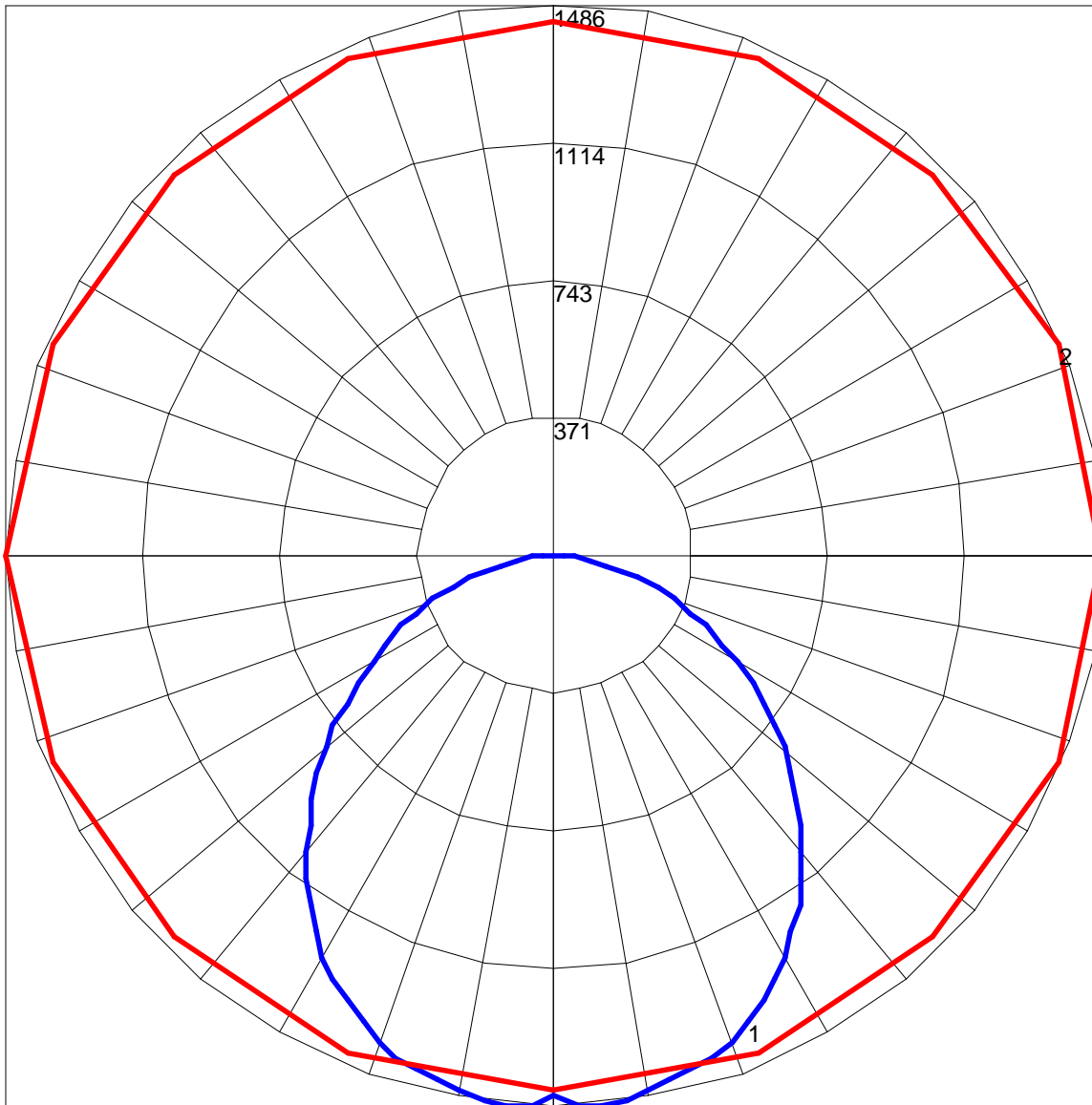
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1485.989 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.)