



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-45L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 07/10/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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	4835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3593	4240	4752
55	3377	4319	5094
65	3141	4373	5440
75	2847	4368	5276
85	2478	3935	3644

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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	1415.119	1415.119	1415.119	1415.119	1415.119
2.5	1443.469	1426.932	1417.482	1405.670	1398.582
5.0	1443.469	1426.932	1417.482	1408.032	1403.307
7.5	1438.744	1424.569	1417.482	1410.395	1403.307
10.0	1431.657	1417.482	1415.119	1410.395	1403.307
12.5	1417.482	1405.670	1405.670	1408.032	1403.307
15.0	1403.307	1393.857	1400.945	1405.670	1408.032
17.5	1384.407	1379.682	1391.495	1405.670	1405.670
20.0	1360.783	1360.783	1379.682	1403.307	1405.670
22.5	1334.796	1337.158	1365.508	1396.220	1398.582
25.0	1308.808	1313.533	1353.695	1389.132	1396.220
27.5	1271.009	1287.546	1332.433	1377.320	1391.495
30.0	1230.847	1254.472	1311.171	1365.508	1379.682
32.5	1190.685	1216.672	1287.546	1348.970	1370.233
35.0	1148.160	1178.872	1256.834	1330.071	1348.970
37.5	1098.549	1133.986	1226.122	1306.446	1330.071
40.0	1044.212	1089.099	1190.685	1280.459	1306.446
42.5	996.962	1039.487	1155.248	1252.109	1282.821
45.0	944.988	992.237	1115.086	1219.034	1249.747
47.5	888.289	942.625	1070.199	1185.960	1216.672
50.0	833.952	890.651	1022.949	1143.435	1181.235
52.5	777.253	836.314	973.338	1096.186	1133.986
55.0	720.553	779.615	921.363	1046.574	1086.736
57.5	666.217	722.916	867.026	996.962	1037.124
60.0	611.880	663.854	810.327	940.263	980.425
62.5	552.818	604.792	751.265	881.201	921.363
65.0	493.756	543.368	687.479	817.415	855.214
67.5	437.057	484.306	621.330	746.540	779.615
70.0	380.358	422.882	555.180	670.941	694.566
72.5	328.383	366.183	491.394	590.617	607.155
75.0	274.047	309.484	420.520	503.206	507.931
77.5	222.072	255.147	349.646	403.982	403.982
80.0	170.098	200.810	276.409	309.484	304.759
82.5	127.573	146.473	203.172	214.985	205.535
85.0	80.324	96.861	127.573	122.848	118.123
87.5	40.162	49.612	54.337	44.887	42.524
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	531.75	N.A.	11.00
0-30	1155.21	N.A.	23.90
0-40	1939.5	N.A.	40.10
0-60	3608.83	N.A.	74.60
0-80	4707.19	N.A.	97.40
0-90	4835.04	N.A.	100.00
10-90	4699.72	N.A.	97.20
20-40	1407.76	N.A.	29.10
20-50	2260.87	N.A.	46.80
40-70	2341.2	N.A.	48.40
60-80	1098.36	N.A.	22.70
70-80	426.48	N.A.	8.80
80-90	127.85	N.A.	2.60
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	4835.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.32
10-20	396.42
20-30	623.46
30-40	784.29
40-50	853.11
50-60	816.21
60-70	671.88
70-80	426.48
80-90	127.85
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

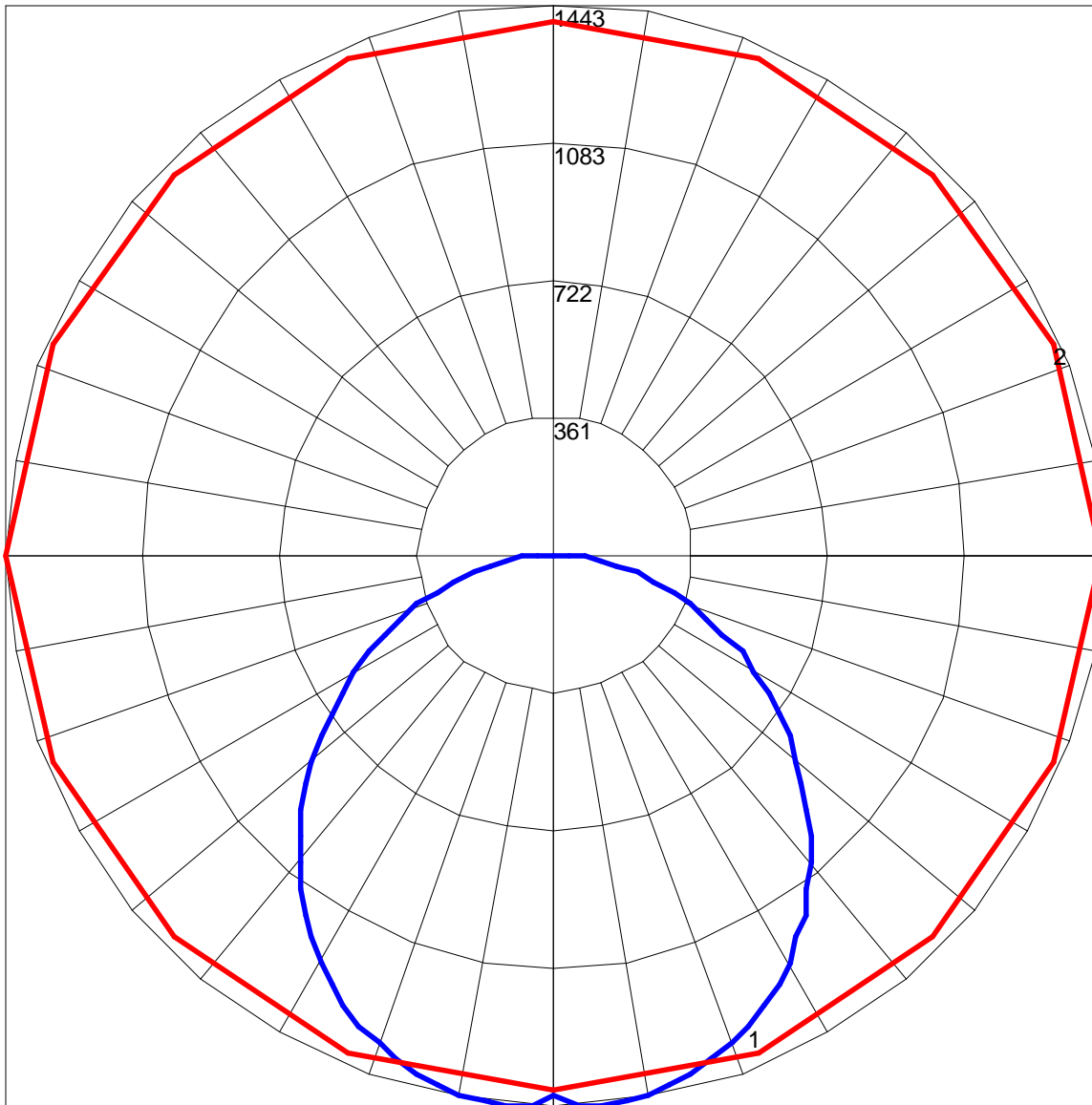
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1443.469 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.)