



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-75L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 07/10/17
[TEST DATE] 05/25/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-75L-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	8006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	60.1
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	5949	7020	7868
55	5593	7151	8435
65	5201	7242	9009
75	4714	7233	8737
85	4103	6516	6034

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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	2343.300	2343.300	2343.300	2343.300	2343.300
2.5	2390.244	2362.860	2347.212	2327.652	2315.916
5.0	2390.244	2362.860	2347.212	2331.564	2323.740
7.5	2382.420	2358.948	2347.212	2335.476	2323.740
10.0	2370.684	2347.212	2343.300	2335.476	2323.740
12.5	2347.212	2327.652	2327.652	2331.564	2323.740
15.0	2323.740	2308.092	2319.828	2327.652	2331.564
17.5	2292.444	2284.620	2304.180	2327.652	2327.652
20.0	2253.324	2253.324	2284.620	2323.740	2327.652
22.5	2210.291	2214.203	2261.148	2312.004	2315.916
25.0	2167.259	2175.083	2241.587	2300.268	2312.004
27.5	2104.667	2132.051	2206.379	2280.708	2304.180
30.0	2038.162	2077.283	2171.171	2261.148	2284.620
32.5	1971.658	2014.690	2132.051	2233.763	2268.972
35.0	1901.242	1952.098	2081.195	2202.467	2233.763
37.5	1819.089	1877.770	2030.338	2163.347	2202.467
40.0	1729.113	1803.441	1971.658	2120.315	2163.347
42.5	1650.872	1721.289	1912.978	2073.371	2124.227
45.0	1564.808	1643.048	1846.473	2018.602	2069.459
47.5	1470.920	1560.896	1772.145	1963.834	2014.690
50.0	1380.943	1474.832	1693.905	1893.418	1956.010
52.5	1287.055	1384.855	1611.752	1815.177	1877.770
55.0	1193.166	1290.967	1525.688	1733.025	1799.529
57.5	1103.190	1197.078	1435.711	1650.872	1717.377
60.0	1013.213	1099.278	1341.823	1556.984	1623.488
62.5	915.413	1001.477	1244.022	1459.183	1525.688
65.0	817.612	899.765	1138.398	1353.559	1416.151
67.5	723.724	801.964	1028.861	1236.198	1290.967
70.0	629.835	700.252	919.325	1111.014	1150.134
72.5	543.771	606.363	813.700	978.005	1005.389
75.0	453.794	512.475	696.340	833.260	841.084
77.5	367.730	422.498	578.979	668.955	668.955
80.0	281.665	332.522	457.706	512.475	504.651
82.5	211.249	242.545	336.434	355.994	340.346
85.0	133.009	160.393	211.249	203.425	195.601
87.5	66.504	82.152	89.976	74.328	70.416
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	880.52	N.A.	11.00
0-30	1912.92	N.A.	23.90
0-40	3211.63	N.A.	40.10
0-60	5975.87	N.A.	74.60
0-80	7794.65	N.A.	97.40
0-90	8006.35	N.A.	100.00
10-90	7782.27	N.A.	97.20
20-40	2331.11	N.A.	29.10
20-50	3743.78	N.A.	46.80
40-70	3876.81	N.A.	48.40
60-80	1818.78	N.A.	22.70
70-80	706.21	N.A.	8.80
80-90	211.71	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	8006.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	224.08
10-20	656.44
20-30	1032.4
30-40	1298.71
40-50	1412.67
50-60	1351.57
60-70	1112.57
70-80	706.21
80-90	211.71
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

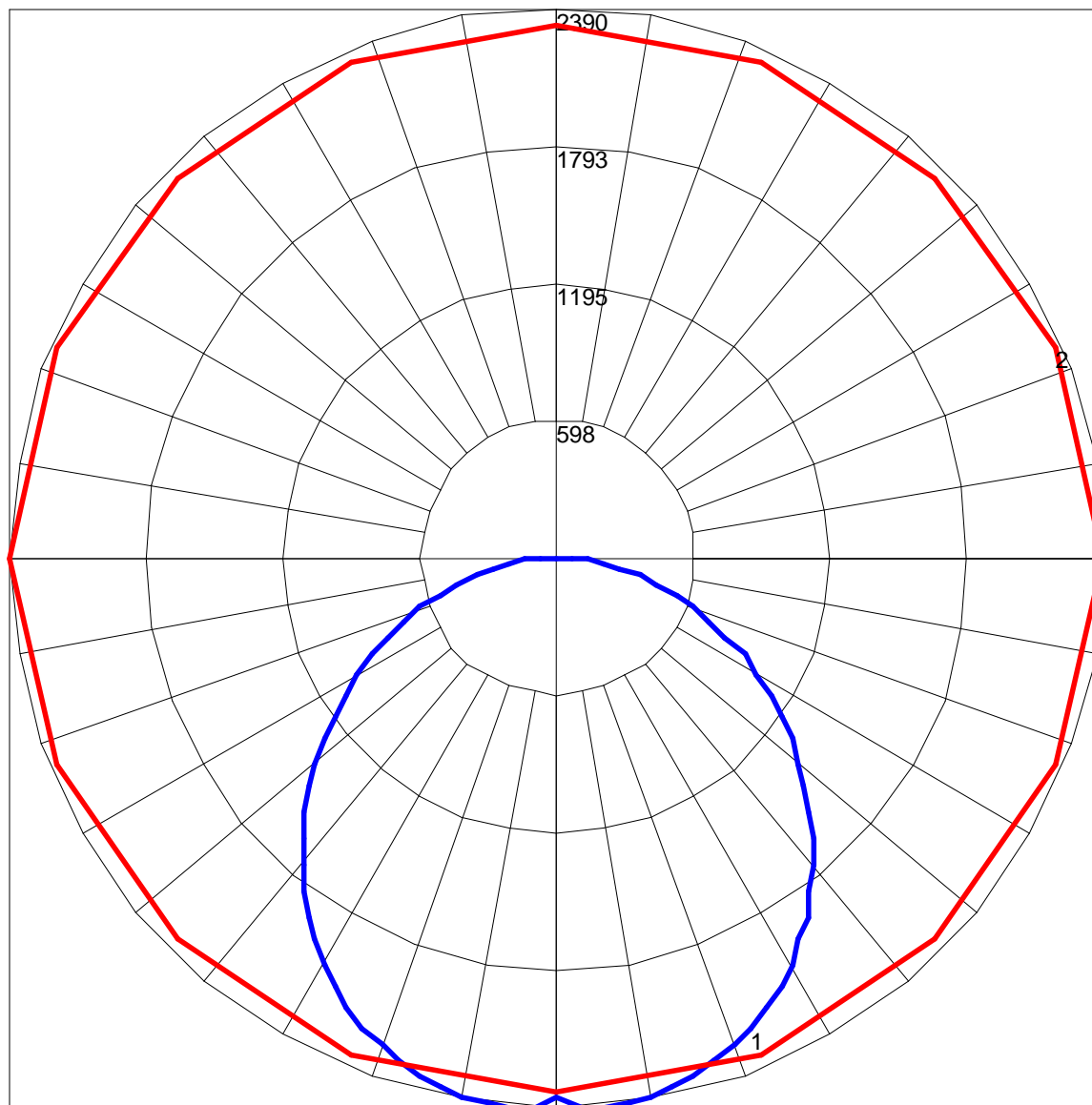
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2390.244 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.)