



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-75L-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-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_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8366
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	60
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	5888	7082	8165
55	5401	7240	8982
65	4887	7356	10036
75	4161	7765	12097
85	3185	8408	13886

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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	2440.729	2440.729	2440.729	2440.729	2440.729
2.5	2486.158	2469.638	2440.729	2420.080	2407.691
5.0	2486.158	2465.508	2444.859	2420.080	2407.691
7.5	2473.768	2457.249	2436.600	2424.210	2411.821
10.0	2457.249	2444.859	2432.470	2424.210	2420.080
12.5	2432.470	2424.210	2420.080	2415.950	2420.080
15.0	2407.691	2407.691	2411.821	2420.080	2415.950
17.5	2370.522	2374.652	2391.172	2407.691	2411.821
20.0	2329.224	2341.614	2370.522	2403.561	2411.821
22.5	2279.666	2296.185	2341.614	2387.042	2399.431
25.0	2225.978	2246.627	2308.575	2370.522	2391.172
27.5	2159.901	2192.940	2275.536	2354.003	2378.782
30.0	2085.564	2126.862	2225.978	2325.094	2358.133
32.5	2007.097	2056.655	2180.550	2292.056	2337.484
35.0	1928.631	1986.448	2126.862	2263.147	2308.575
37.5	1837.774	1903.852	2064.915	2217.719	2275.536
40.0	1742.788	1821.255	2002.967	2172.291	2234.238
42.5	1647.802	1734.529	1936.890	2122.733	2188.810
45.0	1548.686	1643.672	1862.553	2064.915	2147.512
47.5	1457.830	1548.686	1788.216	2011.227	2097.954
50.0	1358.714	1453.700	1705.620	1949.280	2040.136
52.5	1255.468	1358.714	1627.153	1887.332	1974.059
55.0	1152.223	1263.728	1544.556	1812.995	1916.241
57.5	1057.236	1164.612	1449.570	1734.529	1846.034
60.0	953.991	1061.366	1358.714	1647.802	1759.308
62.5	863.134	966.380	1263.728	1569.335	1676.711
65.0	768.148	863.134	1156.352	1470.219	1577.595
67.5	673.162	764.019	1061.366	1371.104	1490.869
70.0	578.176	664.903	953.991	1271.988	1387.623
72.5	491.450	569.917	850.745	1168.742	1288.507
75.0	400.593	479.060	747.499	1053.107	1164.612
77.5	317.997	388.204	635.994	920.952	1036.587
80.0	243.660	305.607	524.488	784.668	879.654
82.5	173.453	218.881	400.593	611.215	689.682
85.0	103.246	140.414	272.569	408.853	450.151
87.5	45.428	57.818	123.895	173.453	177.583
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	914.45	N.A.	10.90
0-30	1979.52	N.A.	23.70
0-40	3307.02	N.A.	39.50
0-60	6113.46	N.A.	73.10
0-80	8072.9	N.A.	96.50
0-90	8366.46	N.A.	100.00
10-90	8133.49	N.A.	97.20
20-40	2392.57	N.A.	28.60
20-50	3824.82	N.A.	45.70
40-70	3961.59	N.A.	47.40
60-80	1959.45	N.A.	23.40
70-80	804.30	N.A.	9.60
80-90	293.56	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	8366.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	232.97
10-20	681.47
20-30	1065.08
30-40	1327.5
40-50	1432.25
50-60	1374.19
60-70	1155.15
70-80	804.30
80-90	293.56
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

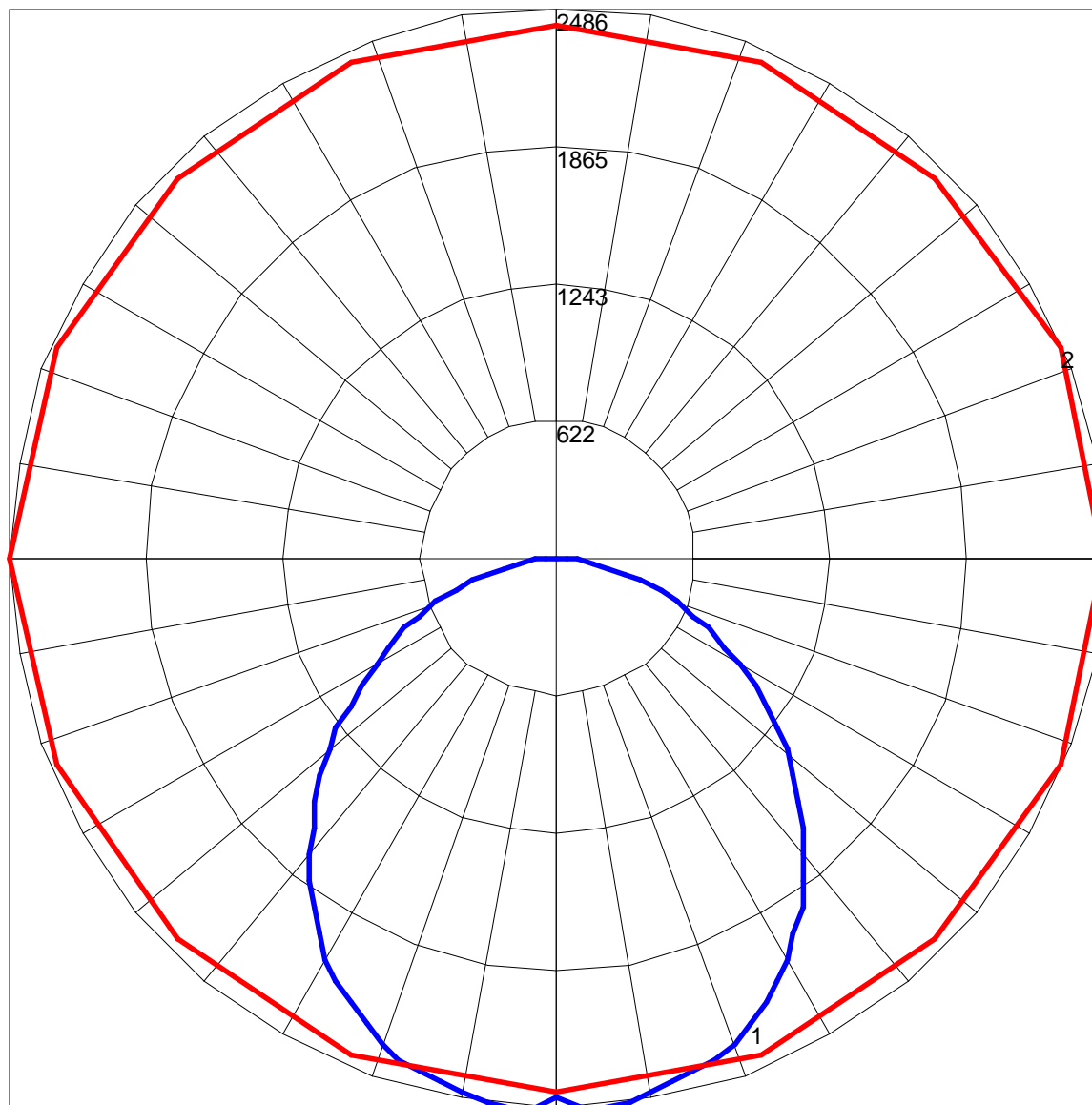
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43	54	47	42	53	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	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2486.158 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.)