



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-85L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-85L-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	9232
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	64.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3281	3948	4498
55	3086	4088	4961
65	2848	4257	5617
75	2557	4618	6759
85	2230	5409	6975

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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	2569.558	2569.558	2569.558	2569.558	2569.558
2.5	2621.315	2590.870	2572.603	2548.247	2533.024
5.0	2618.270	2590.870	2572.603	2557.380	2542.158
7.5	2612.181	2587.825	2572.603	2557.380	2542.158
10.0	2593.914	2572.603	2566.514	2557.380	2545.202
12.5	2575.647	2554.336	2557.380	2554.336	2551.291
15.0	2548.247	2536.069	2545.202	2560.425	2557.380
17.5	2508.668	2502.579	2529.980	2557.380	2560.425
20.0	2475.179	2475.179	2514.757	2554.336	2563.469
22.5	2423.422	2435.600	2493.446	2548.247	2560.425
25.0	2368.621	2386.888	2466.045	2536.069	2554.336
27.5	2298.598	2332.087	2432.556	2517.802	2542.158
30.0	2231.619	2274.242	2392.977	2499.535	2529.980
32.5	2158.551	2207.263	2350.354	2475.179	2508.668
35.0	2079.394	2137.239	2301.642	2447.778	2484.312
37.5	1991.103	2064.171	2252.930	2417.333	2463.001
40.0	1902.813	1985.014	2188.996	2371.666	2426.467
42.5	1814.522	1902.813	2131.150	2332.087	2389.933
45.0	1707.965	1811.478	2055.038	2277.286	2341.221
47.5	1607.496	1714.054	1978.925	2219.441	2289.464
50.0	1513.117	1622.719	1902.813	2158.551	2234.663
52.5	1409.604	1525.295	1817.567	2088.527	2176.818
55.0	1303.046	1418.737	1726.232	2009.370	2094.616
57.5	1202.578	1321.313	1634.897	1930.213	2021.548
60.0	1102.109	1217.800	1537.473	1841.923	1936.302
62.5	998.596	1108.198	1433.960	1747.543	1844.967
65.0	885.950	998.596	1324.358	1647.075	1747.543
67.5	785.481	888.994	1214.756	1540.517	1640.986
70.0	681.968	782.437	1105.154	1433.960	1537.473
72.5	584.544	678.924	992.507	1318.269	1415.693
75.0	487.120	578.455	879.861	1187.355	1287.824
77.5	389.696	474.942	758.081	1044.264	1123.421
80.0	304.450	380.563	633.256	882.905	949.884
82.5	222.249	286.183	496.254	691.102	727.636
85.0	143.092	197.893	347.073	447.542	447.542
87.5	76.113	103.513	164.403	225.293	231.382
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	966.10	N.A.	10.50
0-30	2102.05	N.A.	22.80
0-40	3537.53	N.A.	38.30
0-60	6647.93	N.A.	72.00
0-80	8882.21	N.A.	96.20
0-90	9232.24	N.A.	100.00
10-90	8986.71	N.A.	97.30
20-40	2571.43	N.A.	27.90
20-50	4147.79	N.A.	44.90
40-70	4418.58	N.A.	47.90
60-80	2234.28	N.A.	24.20
70-80	926.10	N.A.	10.00
80-90	350.03	N.A.	3.80
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	9232.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	245.53
10-20	720.56
20-30	1135.96
30-40	1435.47
40-50	1576.36
50-60	1534.05
60-70	1308.18
70-80	926.10
80-90	350.03
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

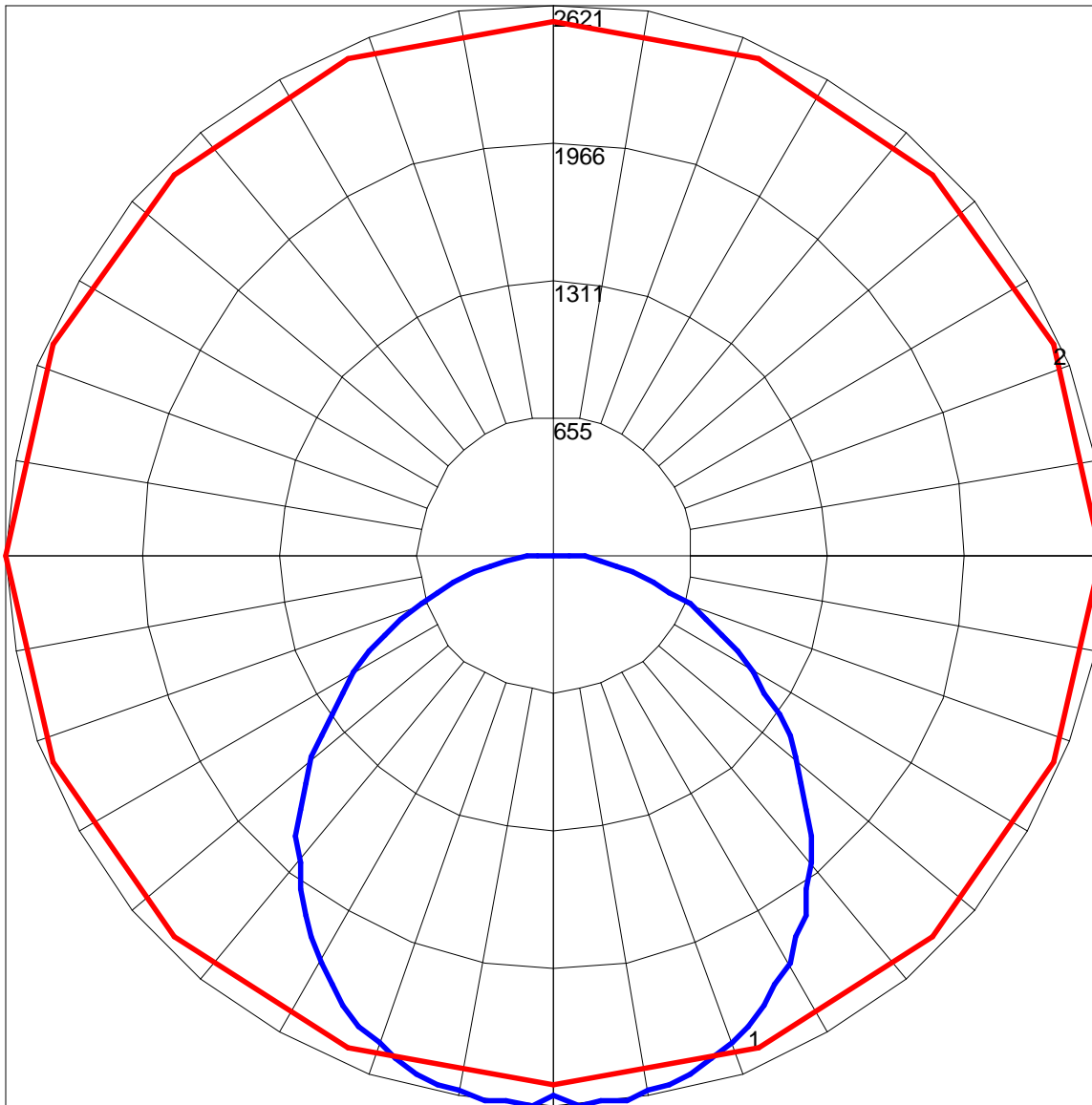
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 2621.315 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.)