



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-72L-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-72L-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	7907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	57
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	2810	3381	3852
55	2643	3501	4249
65	2439	3646	4811
75	2190	3955	5789
85	1910	4633	5974

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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	2200.730	2200.730	2200.730	2200.730	2200.730
2.5	2245.058	2218.983	2203.338	2182.478	2169.440
5.0	2242.450	2218.983	2203.338	2190.300	2177.263
7.5	2237.235	2216.375	2203.338	2190.300	2177.263
10.0	2221.590	2203.338	2198.123	2190.300	2179.870
12.5	2205.945	2187.693	2190.300	2187.693	2185.085
15.0	2182.478	2172.048	2179.870	2192.908	2190.300
17.5	2148.580	2143.365	2166.833	2190.300	2192.908
20.0	2119.898	2119.898	2153.795	2187.693	2195.515
22.5	2075.570	2086.000	2135.543	2182.478	2192.908
25.0	2028.635	2044.280	2112.075	2172.048	2187.693
27.5	1968.663	1997.345	2083.393	2156.403	2177.263
30.0	1911.298	1947.803	2049.495	2140.758	2166.833
32.5	1848.718	1890.438	2012.990	2119.898	2148.580
35.0	1780.923	1830.465	1971.270	2096.430	2127.720
37.5	1705.305	1767.885	1929.550	2070.355	2109.468
40.0	1629.688	1700.090	1874.793	2031.243	2078.178
42.5	1554.070	1629.688	1825.250	1997.345	2046.888
45.0	1462.808	1551.463	1760.063	1950.410	2005.168
47.5	1376.760	1468.023	1694.875	1900.868	1960.840
50.0	1295.928	1389.798	1629.688	1848.718	1913.905
52.5	1207.273	1306.358	1556.678	1788.745	1864.363
55.0	1116.010	1215.095	1478.453	1720.950	1793.960
57.5	1029.963	1131.655	1400.228	1653.155	1731.380
60.0	943.915	1043.000	1316.788	1577.538	1658.370
62.5	855.260	949.130	1228.133	1496.705	1580.145
65.0	758.783	855.260	1134.263	1410.658	1496.705
67.5	672.735	761.390	1040.393	1319.395	1405.443
70.0	584.080	670.128	946.523	1228.133	1316.788
72.5	500.640	581.473	850.045	1129.048	1212.488
75.0	417.200	495.425	753.568	1016.925	1102.973
77.5	333.760	406.770	649.268	894.373	962.168
80.0	260.750	325.938	542.360	756.175	813.540
82.5	190.348	245.105	425.023	591.903	623.193
85.0	122.553	169.488	297.255	383.303	383.303
87.5	65.188	88.655	140.805	192.955	198.170
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	827.43	N.A.	10.50
0-30	1800.33	N.A.	22.80
0-40	3029.76	N.A.	38.30
0-60	5693.7	N.A.	72.00
0-80	7607.28	N.A.	96.20
0-90	7907.07	N.A.	100.00
10-90	7696.78	N.A.	97.30
20-40	2202.33	N.A.	27.90
20-50	3552.43	N.A.	44.90
40-70	3784.35	N.A.	47.90
60-80	1913.58	N.A.	24.20
70-80	793.17	N.A.	10.00
80-90	299.79	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	7907.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.29
10-20	617.14
20-30	972.90
30-40	1229.43
40-50	1350.09
50-60	1313.85
60-70	1120.4
70-80	793.17
80-90	299.79
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

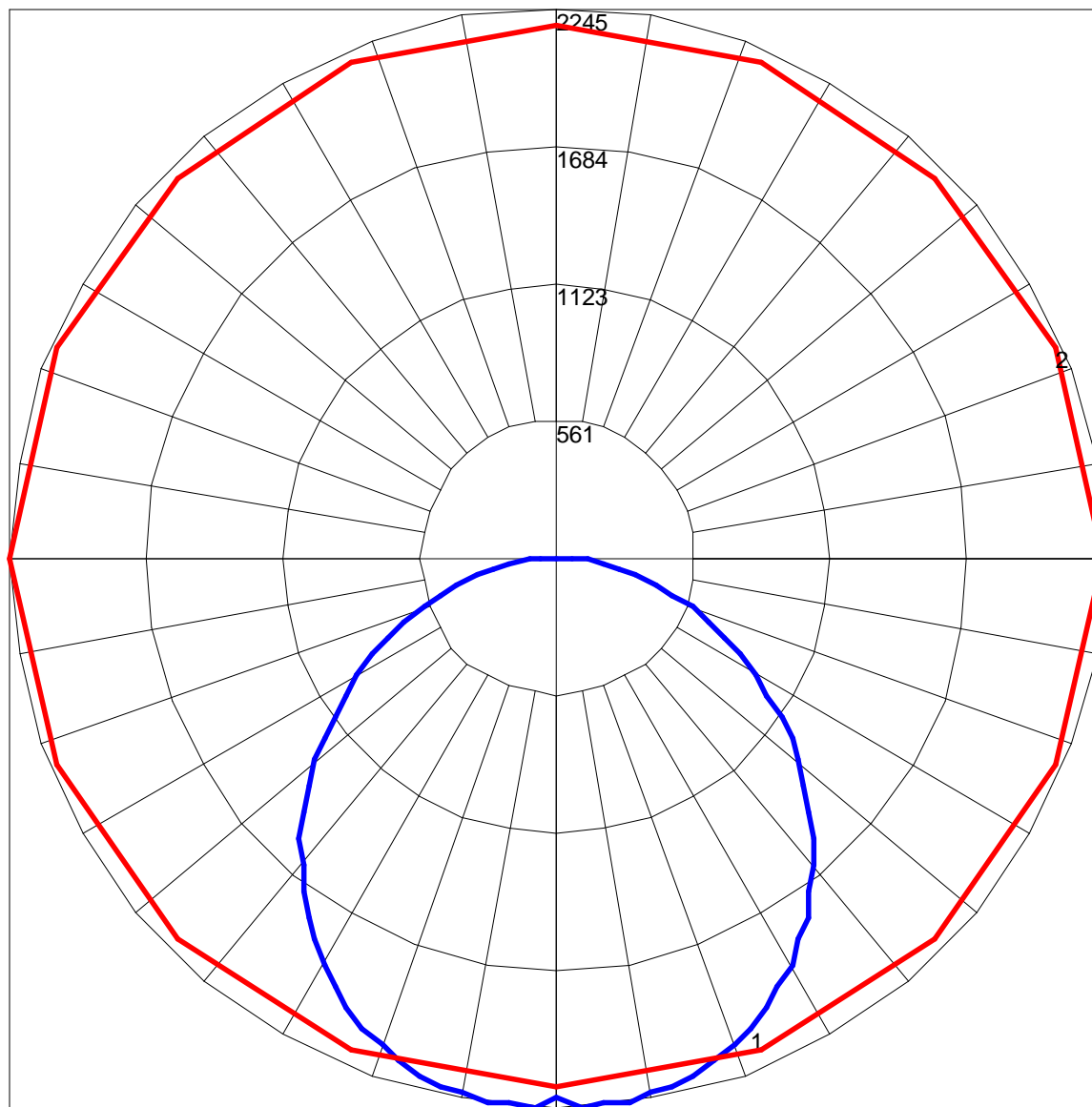
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2245.058 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.)