



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-80L-35.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-80L-35
[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	8180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	63.4
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	2907	3498	3985
55	2734	3622	4395
65	2523	3772	4977
75	2265	4092	5989
85	1976	4793	6180

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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	2276.724	2276.724	2276.724	2276.724	2276.724
2.5	2322.582	2295.607	2279.421	2257.841	2244.353
5.0	2319.884	2295.607	2279.421	2265.934	2252.446
7.5	2314.489	2292.909	2279.421	2265.934	2252.446
10.0	2298.304	2279.421	2274.026	2265.934	2255.143
12.5	2282.119	2263.236	2265.934	2263.236	2260.539
15.0	2257.841	2247.051	2255.143	2268.631	2265.934
17.5	2222.773	2217.378	2241.656	2265.934	2268.631
20.0	2193.100	2193.100	2228.168	2263.236	2271.329
22.5	2147.242	2158.032	2209.285	2257.841	2268.631
25.0	2098.686	2114.871	2185.007	2247.051	2263.236
27.5	2036.643	2066.316	2155.334	2230.866	2252.446
30.0	1977.297	2015.062	2120.266	2214.680	2241.656
32.5	1912.556	1955.717	2082.501	2193.100	2222.773
35.0	1842.420	1893.673	2039.340	2168.822	2201.193
37.5	1764.191	1828.932	1996.180	2141.847	2182.310
40.0	1685.963	1758.796	1939.531	2101.384	2149.939
42.5	1607.734	1685.963	1888.278	2066.316	2117.569
45.0	1513.320	1605.036	1820.840	2017.760	2074.408
47.5	1424.301	1518.715	1753.401	1966.507	2028.550
50.0	1340.677	1437.789	1685.963	1912.556	1979.994
52.5	1248.961	1351.468	1610.431	1850.512	1928.741
55.0	1154.547	1257.054	1529.505	1780.376	1855.908
57.5	1065.528	1170.732	1448.579	1710.240	1791.167
60.0	976.509	1079.016	1362.258	1632.012	1715.635
62.5	884.793	981.905	1270.541	1548.388	1634.709
65.0	784.984	884.793	1173.430	1459.369	1548.388
67.5	695.965	787.682	1076.318	1364.955	1453.974
70.0	604.249	693.268	979.207	1270.541	1362.258
72.5	517.928	601.551	879.398	1168.035	1254.356
75.0	431.606	512.533	779.589	1052.041	1141.059
77.5	345.285	420.816	671.687	925.256	995.392
80.0	269.754	337.193	561.088	782.287	841.632
82.5	196.920	253.569	439.699	612.342	644.712
85.0	126.784	175.340	307.520	396.538	396.538
87.5	67.439	91.716	145.667	199.618	205.013
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	856.00	N.A.	10.50
0-30	1862.5	N.A.	22.80
0-40	3134.38	N.A.	38.30
0-60	5890.31	N.A.	72.00
0-80	7869.97	N.A.	96.20
0-90	8180.11	N.A.	100.00
10-90	7962.55	N.A.	97.30
20-40	2278.38	N.A.	27.90
20-50	3675.09	N.A.	44.90
40-70	3915.03	N.A.	47.90
60-80	1979.65	N.A.	24.20
70-80	820.56	N.A.	10.00
80-90	310.14	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	8180.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	217.55
10-20	638.45
20-30	1006.5
30-40	1271.88
40-50	1396.71
50-60	1359.22
60-70	1159.09
70-80	820.56
80-90	310.14
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

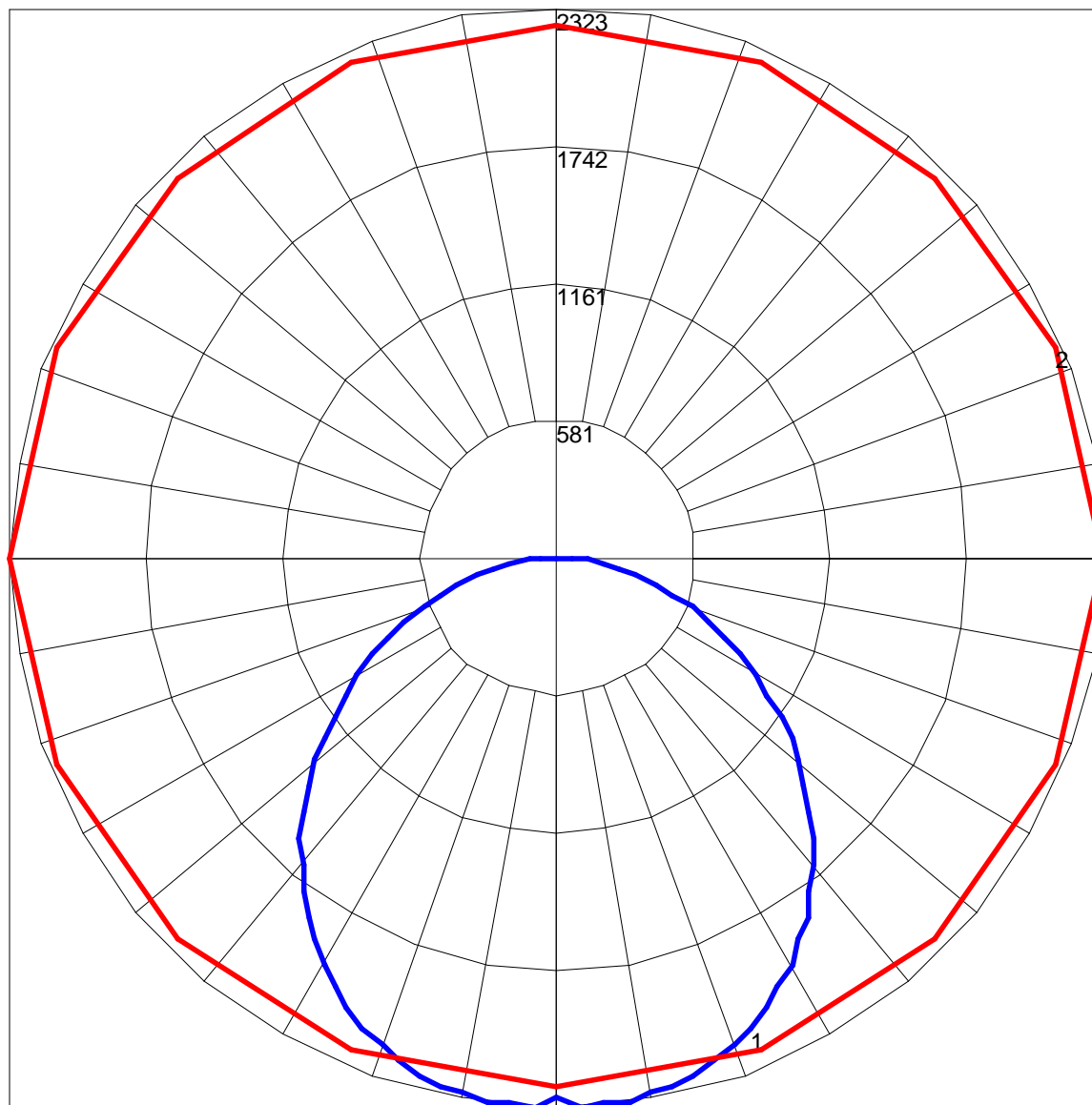
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2322.582 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.)