



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-85L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8895
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/15/17
[TEST DATE]05/15/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-85L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8577
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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)	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	3032	3633	4131
55	2840	3757	4568
65	2634	3906	5137
75	2322	4233	6170
85	2113	5059	6848

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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	2397	2397	2397	2397	2397
2.5	2446	2418	2399	2380	2366
5.0	2444	2418	2401	2382	2369
7.5	2437	2412	2399	2386	2374
10.0	2424	2402	2394	2387	2376
12.5	2405	2387	2388	2388	2381
15.0	2379	2366	2376	2387	2384
17.5	2345	2338	2362	2383	2385
20.0	2307	2307	2343	2379	2384
22.5	2260	2270	2322	2371	2382
25.0	2205	2224	2295	2360	2375
27.5	2147	2176	2265	2345	2367
30.0	2083	2121	2230	2327	2354
32.5	2012	2061	2189	2303	2337
35.0	1937	1995	2144	2275	2312
37.5	1856	1924	2092	2242	2285
40.0	1773	1850	2037	2204	2253
42.5	1685	1770	1977	2161	2215
45.0	1595	1685	1911	2114	2173
47.5	1499	1596	1841	2060	2125
50.0	1401	1507	1765	2001	2073
52.5	1307	1414	1687	1936	2013
55.0	1212	1322	1603	1863	1949
57.5	1117	1226	1516	1785	1869
60.0	1020	1128	1423	1703	1790
62.5	923	1030	1327	1613	1705
65.0	828	929	1228	1521	1615
67.5	733	825	1128	1424	1518
70.0	629	727	1024	1325	1419
72.5	537	627	918	1218	1313
75.0	447	533	815	1098	1188
77.5	361	440	707	963	1039
80.0	280	355	586	823	887
82.5	205	270	464	652	695
85.0	137	184	328	439	444
87.5	66	97	161	173	159
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	901.42	N.A.	10.50
0-30	1959.52	N.A.	22.80
0-40	3295.73	N.A.	38.40
0-60	6182.78	N.A.	72.10
0-80	8251.02	N.A.	96.20
0-90	8577.19	N.A.	100.00
10-90	8348.12	N.A.	97.30
20-40	2394.3	N.A.	27.90
20-50	3858.89	N.A.	45.00
40-70	4098.41	N.A.	47.80
60-80	2068.24	N.A.	24.10
70-80	856.89	N.A.	10.00
80-90	326.17	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	8577.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.07
10-20	672.35
20-30	1058.09
30-40	1336.21
40-50	1464.59
50-60	1422.47
60-70	1211.35
70-80	856.89
80-90	326.17
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

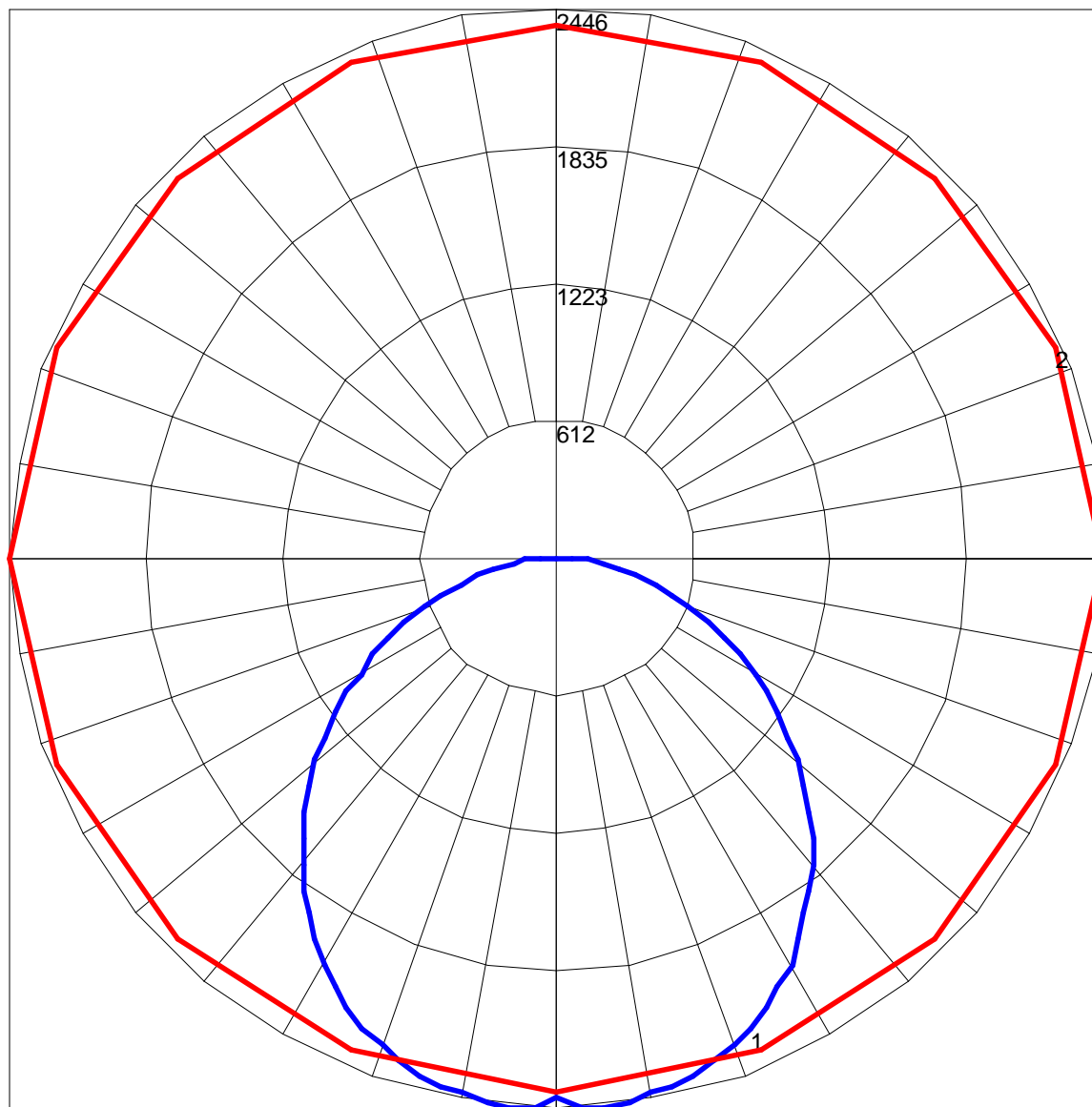
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	87	80	73	94	85	78	73	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	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	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	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 = 2446 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.)