IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-80L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8812
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]04/24/17
[TESTDATE]04/24/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-80L-40
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	63.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 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	5866	6954	7963
55	5337	7022	8687
65	4788	7120	9679
75	4073	7393	11509
85	3118	7623	11592

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	2380	2380	2380	2380	2380
2.5	2420	2406	2381	2361	2355
5.0	2418	2405	2382	2365	2358
7.5	2410	2398	2379	2363	2359
10.0	2392	2385	2371	2362	2359
12.5	2372	2366	2360	2358	2358
15.0	2344	2343	2346	2352	2355
17.5	2310	2313	2326	2343	2350
20.0	2269	2276	2303	2331	2342
22.5	2219	2236	2274	2316	2332
25.0	2166	2188	2242	2297	2318
27.5	2100	2131	2203	2274	2300
30.0	2031	2068	2159	2246	2279
32.5	1956	2001	2110	2213	2253
35.0	1872	1926	2052	2175	2222
37.5	1788	1848	1994	2133	2187
40.0	1696	1766	1929	2085	2145
42.5	1605	1680	1862	2035	2098
45.0	1511	1593	1791	1979	2051
47.5	1417	1501	1716	1921	1999
50.0	1314	1405	1635	1858	1943
52.5	1216	1308	1552	1791	1881
55.0	1115	1213	1467	1720	1815
57.5	1019	1115	1379	1643	1744
60.0	924	1019	1287	1563	1668
62.5	831	924	1195	1476	1582
65.0	737	828	1096	1385	1490
67.5	649	732	999	1289	1399
70.0	561	639	902	1192	1304
72.5	470	544	796	1090	1203
75.0	384	453	697	980	1085
77.5	304	368	596	851	955
80.0	230	287	483	714	797
82.5	164	209	370	543	593
85.0	99	131	242	342	368
87.5	43	52	108	146	154
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	890.74	N.A.	11.10
0-30	1924.42	N.A.	24.00
0-40	3207.63	N.A.	40.10
0-60	5896.36	N.A.	73.70
0-80	7743.65	N.A.	96.70
0-90	8005.66	N.A.	100.00
10-90	7778.41	N.A.	97.20
20-40	2316.89	N.A.	28.90
20-50	3694.83	N.A.	46.20
40-70	3783.4	N.A.	47.30
60-80	1847.29	N.A.	23.10
70-80	752.62	N.A.	9.40
80-90	262.01	N.A.	3.30
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	8005.66	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	227.25
10-20	663.48
20-30	1033.68
30-40	1283.21
40-50	1377.94
50-60	1310.79
60-70	1094.67
70-80	752.62
80-90	262.01
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	108	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	57	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

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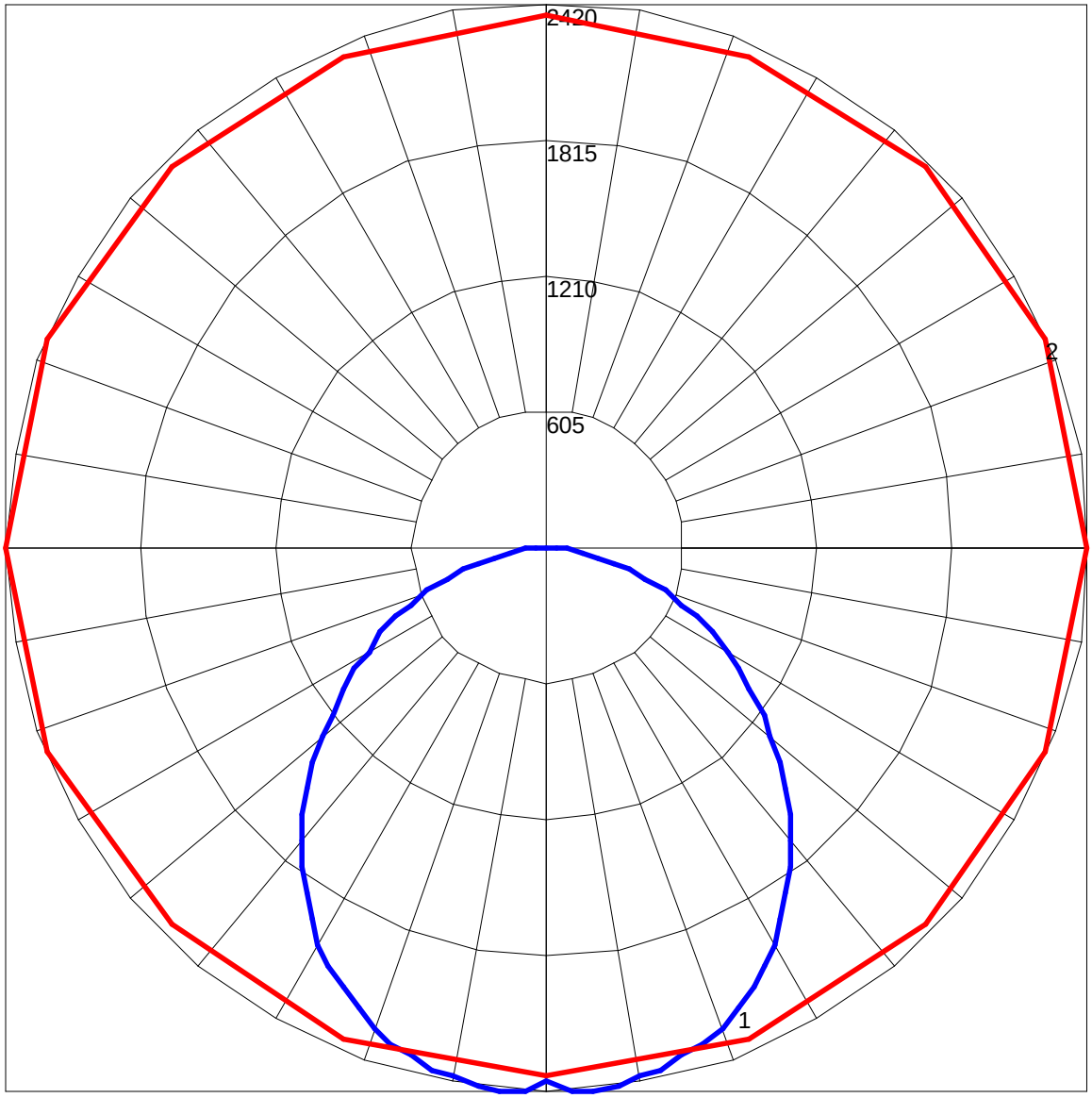
POLAR GRAPH



Maximum Candela = 2420 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.)