



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-80L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-80L-30
[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	7759
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	63.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	5461	6568	7573
55	5009	6714	8330
65	4532	6822	9308
75	3859	7201	11220
85	2954	7798	12878

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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	2263.648	2263.648	2263.648	2263.648	2263.648
2.5	2305.780	2290.460	2263.648	2244.497	2233.007
5.0	2305.780	2286.629	2267.478	2244.497	2233.007
7.5	2294.290	2278.969	2259.818	2248.327	2236.837
10.0	2278.969	2267.478	2255.988	2248.327	2244.497
12.5	2255.988	2248.327	2244.497	2240.667	2244.497
15.0	2233.007	2233.007	2236.837	2244.497	2240.667
17.5	2198.535	2202.365	2217.686	2233.007	2236.837
20.0	2160.233	2171.723	2198.535	2229.176	2236.837
22.5	2114.270	2129.591	2171.723	2213.856	2225.346
25.0	2064.478	2083.629	2141.082	2198.535	2217.686
27.5	2003.195	2033.836	2110.440	2183.214	2206.195
30.0	1934.251	1972.553	2064.478	2156.403	2187.044
32.5	1861.477	1907.440	2022.346	2125.761	2167.893
35.0	1788.703	1842.326	1972.553	2098.950	2141.082
37.5	1704.439	1765.722	1915.100	2056.817	2110.440
40.0	1616.344	1689.118	1857.647	2014.685	2072.138
42.5	1528.250	1608.684	1796.364	1968.723	2030.006
45.0	1436.325	1524.420	1727.420	1915.100	1991.704
47.5	1352.061	1436.325	1658.477	1865.307	1945.742
50.0	1260.136	1348.230	1581.873	1807.854	1892.119
52.5	1164.381	1260.136	1509.099	1750.401	1830.836
55.0	1068.626	1172.041	1432.495	1681.458	1777.213
57.5	980.531	1080.116	1344.400	1608.684	1712.099
60.0	884.776	984.361	1260.136	1528.250	1631.665
62.5	800.512	896.267	1172.041	1455.476	1555.061
65.0	712.417	800.512	1072.456	1363.551	1463.136
67.5	624.323	708.587	984.361	1271.626	1382.702
70.0	536.228	616.662	884.776	1179.702	1286.947
72.5	455.794	528.568	789.021	1083.947	1195.022
75.0	371.529	444.303	693.266	976.701	1080.116
77.5	294.925	360.039	589.851	854.135	961.380
80.0	225.982	283.435	486.435	727.738	815.833
82.5	160.868	203.001	371.529	566.870	639.643
85.0	95.755	130.227	252.793	379.190	417.492
87.5	42.132	53.623	114.906	160.868	164.699
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	848.10	N.A.	10.90
0-30	1835.9	N.A.	23.70
0-40	3067.09	N.A.	39.50
0-60	5669.91	N.A.	73.10
0-80	7487.19	N.A.	96.50
0-90	7759.45	N.A.	100.00
10-90	7543.38	N.A.	97.20
20-40	2218.99	N.A.	28.60
20-50	3547.32	N.A.	45.70
40-70	3674.16	N.A.	47.40
60-80	1817.28	N.A.	23.40
70-80	745.94	N.A.	9.60
80-90	272.26	N.A.	3.50
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	7759.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	216.07
10-20	632.03
20-30	987.80
30-40	1231.18
40-50	1328.33
50-60	1274.49
60-70	1071.34
70-80	745.94
80-90	272.26
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

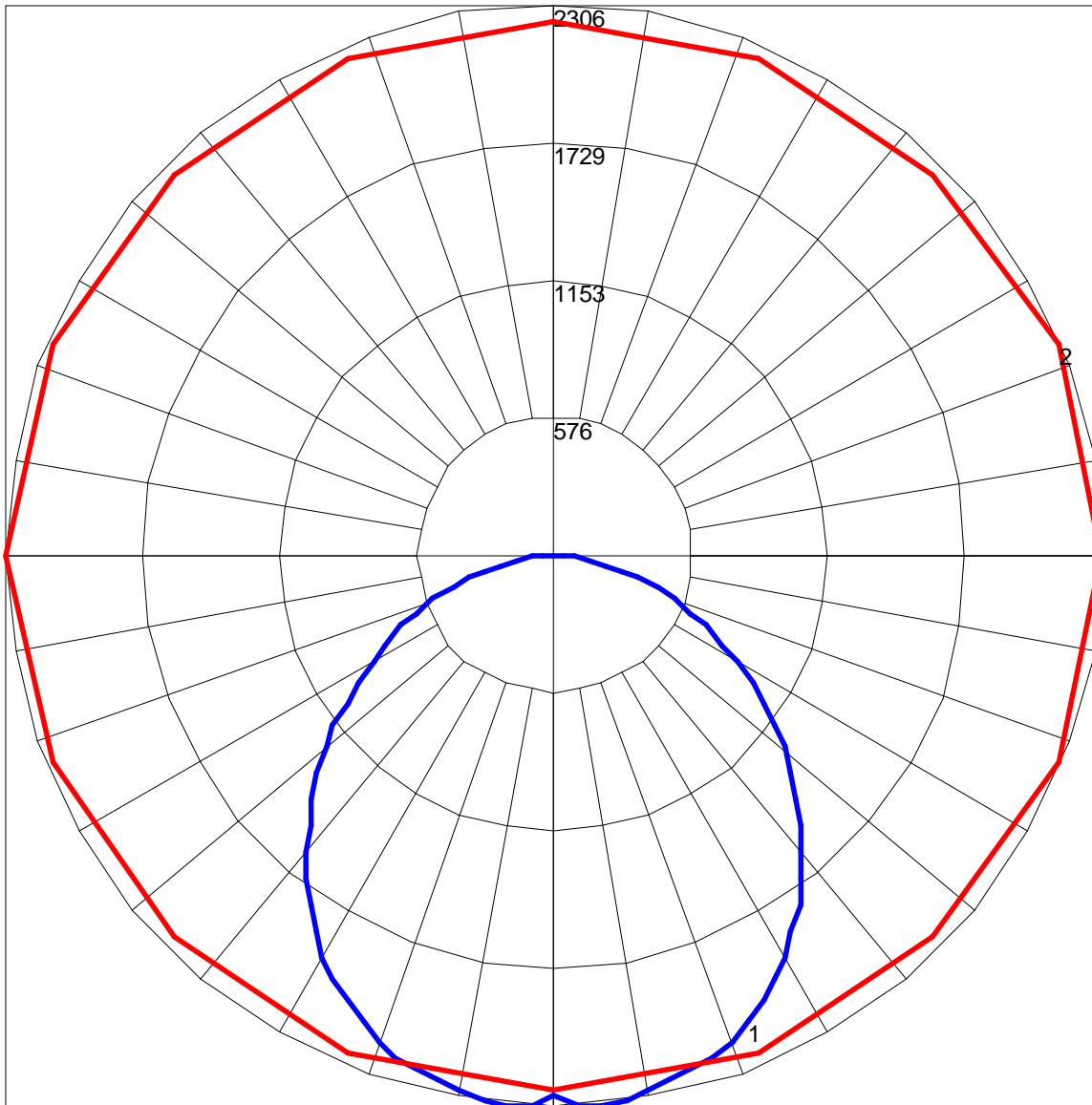
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2305.78 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.)