



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-80L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-80L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	6224	7485	8630
55	5709	7652	9494
65	5165	7775	10608
75	4398	8207	12787
85	3366	8887	14677

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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	2579.875	2579.875	2579.875	2579.875	2579.875
2.5	2627.893	2610.432	2579.875	2558.048	2544.952
5.0	2627.893	2606.066	2584.240	2558.048	2544.952
7.5	2614.797	2597.336	2575.509	2562.414	2549.318
10.0	2597.336	2584.240	2571.144	2562.414	2558.048
12.5	2571.144	2562.414	2558.048	2553.683	2558.048
15.0	2544.952	2544.952	2549.318	2558.048	2553.683
17.5	2505.665	2510.030	2527.491	2544.952	2549.318
20.0	2462.012	2475.108	2505.665	2540.587	2549.318
22.5	2409.629	2427.090	2475.108	2523.126	2536.222
25.0	2352.881	2374.707	2440.186	2505.665	2527.491
27.5	2283.036	2317.958	2405.264	2488.204	2514.396
30.0	2204.461	2248.114	2352.881	2457.647	2492.569
32.5	2121.521	2173.905	2304.863	2422.725	2470.743
35.0	2038.581	2099.695	2248.114	2392.168	2440.186
37.5	1942.545	2012.390	2182.635	2344.150	2405.264
40.0	1842.144	1925.084	2117.156	2296.132	2361.611
42.5	1741.743	1833.413	2047.312	2243.749	2313.593
45.0	1636.976	1737.378	1968.737	2182.635	2269.940
47.5	1540.940	1636.976	1890.162	2125.887	2217.557
50.0	1436.174	1536.575	1802.857	2060.408	2156.443
52.5	1327.042	1436.174	1719.916	1994.928	2086.599
55.0	1217.910	1335.773	1632.611	1916.354	2025.485
57.5	1117.509	1231.006	1532.210	1833.413	1951.276
60.0	1008.377	1121.874	1436.174	1741.743	1859.605
62.5	912.341	1021.473	1335.773	1658.803	1772.300
65.0	811.940	912.341	1222.276	1554.036	1667.533
67.5	711.539	807.575	1121.874	1449.270	1575.863
70.0	611.138	702.808	1008.377	1344.503	1466.731
72.5	519.467	602.407	899.246	1235.371	1361.964
75.0	423.431	506.371	790.114	1113.144	1231.006
77.5	336.126	410.335	672.252	973.455	1095.683
80.0	257.551	323.030	554.389	829.401	929.803
82.5	183.341	231.359	423.431	646.060	729.000
85.0	109.132	148.419	288.108	432.162	475.814
87.5	48.018	61.114	130.958	183.341	187.707
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	966.58	N.A.	10.90
0-30	2092.37	N.A.	23.70
0-40	3495.55	N.A.	39.50
0-60	6461.98	N.A.	73.10
0-80	8533.14	N.A.	96.50
0-90	8843.43	N.A.	100.00
10-90	8597.17	N.A.	97.20
20-40	2528.97	N.A.	28.60
20-50	4042.87	N.A.	45.70
40-70	4187.44	N.A.	47.40
60-80	2071.15	N.A.	23.40
70-80	850.15	N.A.	9.60
80-90	310.29	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	8843.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.26
10-20	720.32
20-30	1125.8
30-40	1403.18
40-50	1513.9
50-60	1452.53
60-70	1221.00
70-80	850.15
80-90	310.29
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

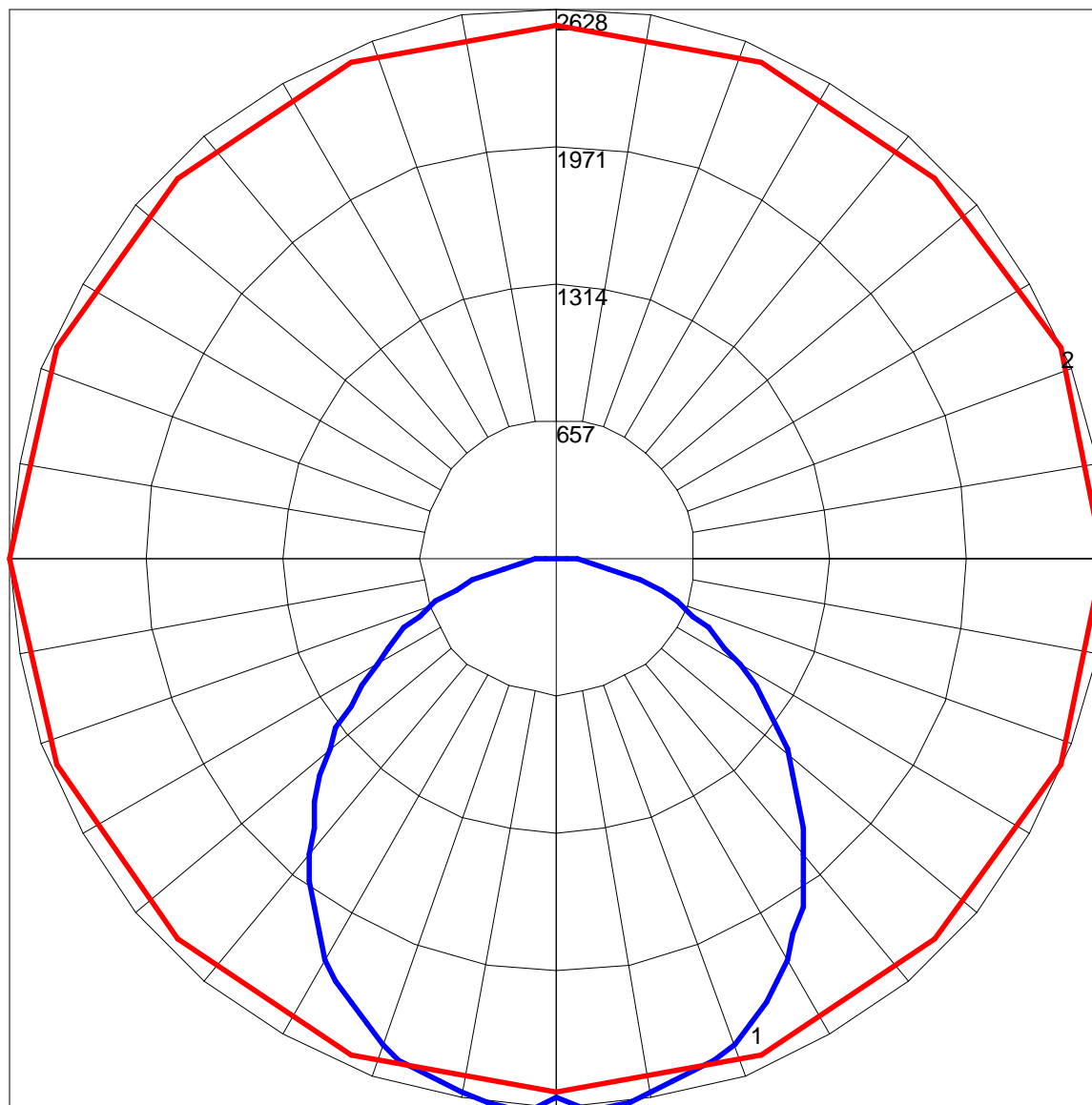
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2627.893 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.)