



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-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-39L-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_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4288
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	30.6
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	3018	3629	4184
55	2768	3710	4603
65	2504	3770	5143
75	2133	3979	6200
85	1632	4309	7116

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-50.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1250.846	1250.846	1250.846	1250.846	1250.846
2.5	1274.127	1265.661	1250.846	1240.263	1233.914
5.0	1274.127	1263.544	1252.962	1240.263	1233.914
7.5	1267.777	1259.311	1248.729	1242.380	1236.030
10.0	1259.311	1252.962	1246.613	1242.380	1240.263
12.5	1246.613	1242.380	1240.263	1238.147	1240.263
15.0	1233.914	1233.914	1236.030	1240.263	1238.147
17.5	1214.865	1216.982	1225.448	1233.914	1236.030
20.0	1193.700	1200.050	1214.865	1231.797	1236.030
22.5	1168.302	1176.768	1200.050	1223.331	1229.681
25.0	1140.788	1151.370	1183.118	1214.865	1225.448
27.5	1106.924	1123.856	1166.186	1206.399	1219.098
30.0	1068.827	1089.992	1140.788	1191.584	1208.516
32.5	1028.614	1054.012	1117.507	1174.652	1197.933
35.0	988.401	1018.032	1089.992	1159.836	1183.118
37.5	941.838	975.702	1058.245	1136.555	1166.186
40.0	893.159	933.372	1026.498	1113.274	1145.021
42.5	844.479	888.926	992.634	1087.876	1121.740
45.0	793.684	842.363	954.537	1058.245	1100.575
47.5	747.121	793.684	916.440	1030.731	1075.177
50.0	696.325	745.004	874.110	998.983	1045.546
52.5	643.413	696.325	833.897	967.236	1011.682
55.0	590.501	647.646	791.567	929.139	982.051
57.5	541.821	596.850	742.888	888.926	946.071
60.0	488.909	543.938	696.325	844.479	901.625
62.5	442.346	495.259	647.646	804.266	859.295
65.0	393.667	442.346	592.617	753.470	808.499
67.5	344.988	391.551	543.938	702.675	764.053
70.0	296.309	340.755	488.909	651.879	711.141
72.5	251.862	292.076	435.997	598.967	660.345
75.0	205.300	245.513	383.085	539.705	596.850
77.5	162.970	198.950	325.939	471.977	531.239
80.0	124.873	156.620	268.794	402.133	450.812
82.5	88.893	112.174	205.300	313.241	353.454
85.0	52.912	71.961	139.688	209.532	230.697
87.5	23.281	29.631	63.495	88.893	91.009
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	468.64	N.A.	10.90
0-30	1014.48	N.A.	23.70
0-40	1694.81	N.A.	39.50
0-60	3133.08	N.A.	73.10
0-80	4137.27	N.A.	96.50
0-90	4287.71	N.A.	100.00
10-90	4168.32	N.A.	97.20
20-40	1226.17	N.A.	28.60
20-50	1960.18	N.A.	45.70
40-70	2030.27	N.A.	47.40
60-80	1004.19	N.A.	23.40
70-80	412.19	N.A.	9.60
80-90	150.44	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	4287.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.40
10-20	349.25
20-30	545.84
30-40	680.33
40-50	734.01
50-60	704.26
60-70	592.00
70-80	412.19
80-90	150.44
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

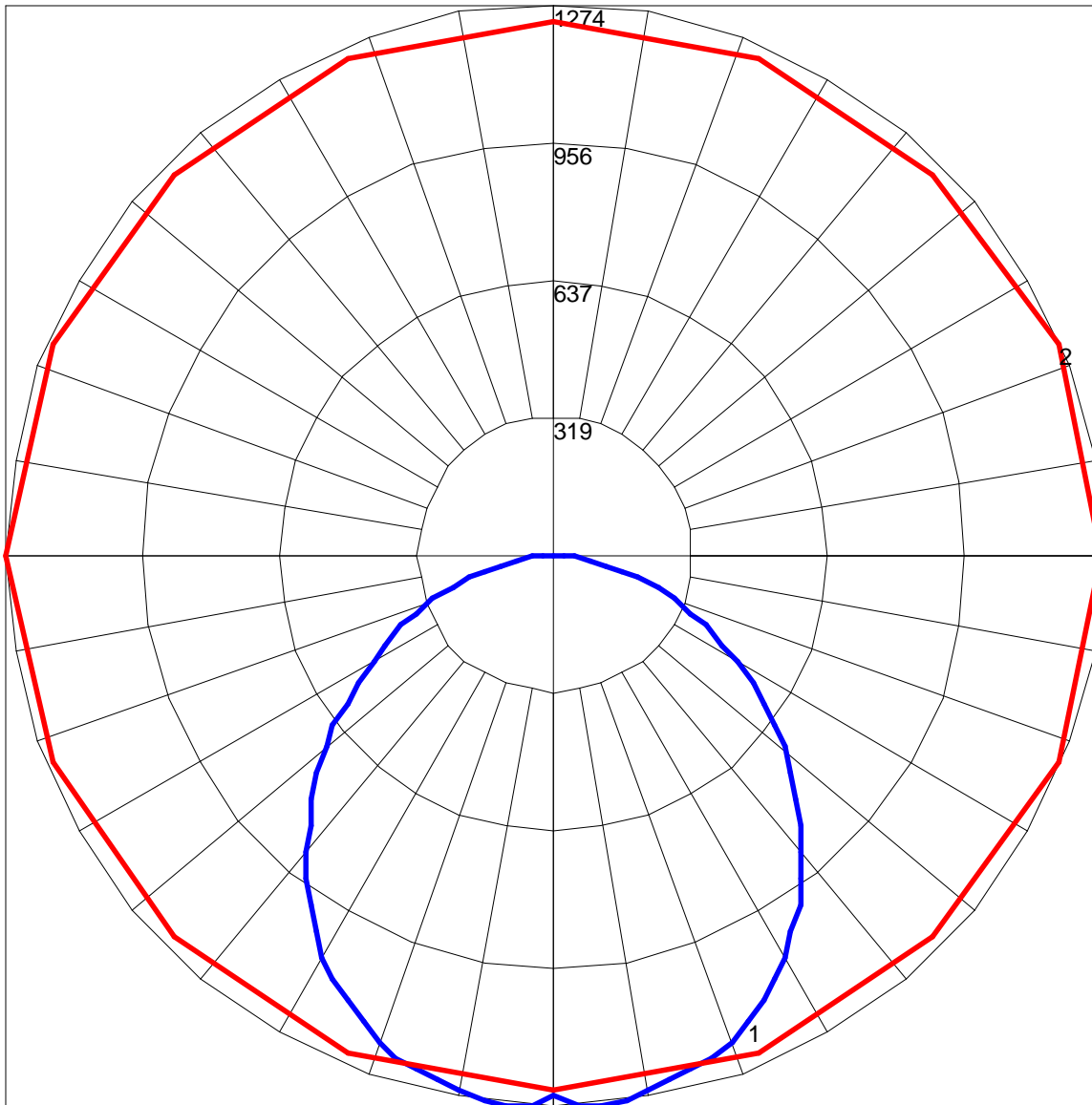
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-50.IES

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	42	54	47	42	52	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	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1274.127 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.)