



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-25L-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

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]LPEC22-LED-25L-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	2839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	21.3
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	1998	2403	2770
55	1833	2456	3048
65	1658	2496	3405
75	1412	2635	4105
85	1081	2853	4712

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-25L-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	828.162	828.162	828.162	828.162	828.162
2.5	843.577	837.971	828.162	821.156	816.952
5.0	843.577	836.570	829.564	821.156	816.952
7.5	839.373	833.768	826.761	822.557	818.353
10.0	833.768	829.564	825.360	822.557	821.156
12.5	825.360	822.557	821.156	819.755	821.156
15.0	816.952	816.952	818.353	821.156	819.755
17.5	804.340	805.742	811.347	816.952	818.353
20.0	790.328	794.531	804.340	815.551	818.353
22.5	773.512	779.117	794.531	809.946	814.150
25.0	755.295	762.302	783.321	804.340	811.347
27.5	732.875	744.085	772.111	798.735	807.143
30.0	707.651	721.664	755.295	788.926	800.137
32.5	681.027	697.842	739.881	777.716	793.130
35.0	654.402	674.021	721.664	767.907	783.321
37.5	623.574	645.995	700.645	752.493	772.111
40.0	591.344	617.969	679.626	737.079	758.098
42.5	559.115	588.542	657.205	720.263	742.684
45.0	525.484	557.713	631.982	700.645	728.671
47.5	494.655	525.484	606.759	682.428	711.855
50.0	461.024	493.254	578.733	661.409	692.237
52.5	425.992	461.024	552.108	640.390	669.817
55.0	390.960	428.795	524.082	615.166	650.199
57.5	358.730	395.164	491.853	588.542	626.377
60.0	323.698	360.132	461.024	559.115	596.950
62.5	292.870	327.902	428.795	532.490	568.924
65.0	260.640	292.870	392.361	498.859	535.293
67.5	228.410	259.239	360.132	465.228	505.866
70.0	196.181	225.608	323.698	431.597	470.833
72.5	166.754	193.378	288.666	396.565	437.202
75.0	135.925	162.550	253.634	357.329	395.164
77.5	107.899	131.721	215.799	312.488	351.724
80.0	82.676	103.695	177.964	266.245	298.475
82.5	58.854	74.268	135.925	207.391	234.015
85.0	35.032	47.644	92.485	138.728	152.741
87.5	15.414	19.618	42.039	58.854	60.255
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-25L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	310.28	N.A.	10.90
0-30	671.67	N.A.	23.70
0-40	1122.1	N.A.	39.50
0-60	2074.35	N.A.	73.10
0-80	2739.21	N.A.	96.50
0-90	2838.82	N.A.	100.00
10-90	2759.77	N.A.	97.20
20-40	811.82	N.A.	28.60
20-50	1297.8	N.A.	45.70
40-70	1344.2	N.A.	47.40
60-80	664.86	N.A.	23.40
70-80	272.91	N.A.	9.60
80-90	99.61	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	2838.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.05
10-20	231.23
20-30	361.39
30-40	450.43
40-50	485.97
50-60	466.28
60-70	391.95
70-80	272.91
80-90	99.61
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

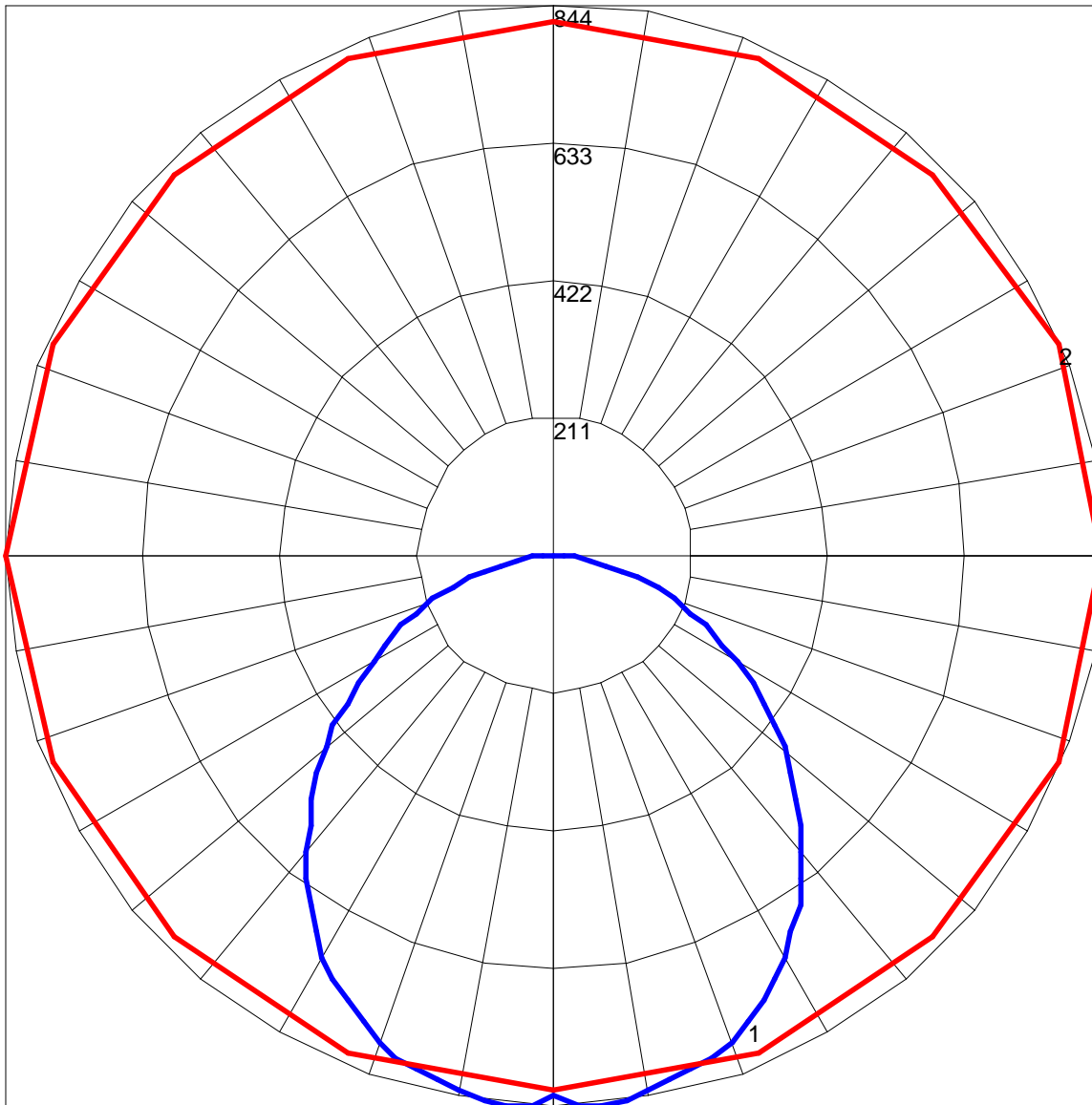
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-25L-50.IES

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 = 843.577 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.)