



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-25L-35.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-25L-35  
[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	2636
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	1855	2231	2572
55	1701	2281	2830
65	1539	2318	3162
75	1311	2446	3811
85	1003	2649	4375

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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	768.944	768.944	768.944	768.944	768.944
2.5	783.256	778.052	768.944	762.439	758.535
5.0	783.256	776.751	770.245	762.439	758.535
7.5	779.353	774.149	767.643	763.740	759.837
10.0	774.149	770.245	766.342	763.740	762.439
12.5	766.342	763.740	762.439	761.138	762.439
15.0	758.535	758.535	759.837	762.439	761.138
17.5	746.826	748.127	753.331	758.535	759.837
20.0	733.815	737.718	746.826	757.234	759.837
22.5	718.202	723.406	737.718	752.030	755.933
25.0	701.288	707.793	727.309	746.826	753.331
27.5	680.470	690.879	716.901	741.621	749.428
30.0	657.050	670.061	701.288	732.514	742.922
32.5	632.330	647.943	686.976	722.105	736.417
35.0	607.609	625.824	670.061	712.997	727.309
37.5	578.985	599.802	650.545	698.685	716.901
40.0	549.060	573.781	631.029	684.373	703.890
42.5	519.135	546.458	610.211	668.760	689.578
45.0	487.909	517.834	586.792	650.545	676.567
47.5	459.285	487.909	563.372	633.631	660.954
50.0	428.059	457.984	537.350	614.114	642.738
52.5	395.531	428.059	512.629	594.598	621.921
55.0	363.004	398.134	486.608	571.179	603.706
57.5	333.079	366.907	456.683	546.458	581.587
60.0	300.552	334.380	428.059	519.135	554.264
62.5	271.928	304.455	398.134	494.414	528.243
65.0	242.003	271.928	364.305	463.188	497.016
67.5	212.078	240.702	334.380	431.962	469.693
70.0	182.153	209.475	300.552	400.736	437.166
72.5	154.830	179.550	268.025	368.208	405.940
75.0	126.206	150.926	235.497	331.778	366.907
77.5	100.184	122.302	200.368	290.143	326.574
80.0	76.764	96.281	165.238	247.207	277.132
82.5	54.646	68.958	126.206	192.561	217.282
85.0	32.527	44.237	85.872	128.808	141.819
87.5	14.312	18.215	39.033	54.646	55.947
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	288.09	N.A.	10.90
0-30	623.64	N.A.	23.70
0-40	1041.87	N.A.	39.50
0-60	1926.03	N.A.	73.10
0-80	2543.34	N.A.	96.50
0-90	2635.83	N.A.	100.00
10-90	2562.43	N.A.	97.20
20-40	753.77	N.A.	28.60
20-50	1205.00	N.A.	45.70
40-70	1248.09	N.A.	47.40
60-80	617.32	N.A.	23.40
70-80	253.39	N.A.	9.60
80-90	92.48	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	2635.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	73.40
10-20	214.70
20-30	335.55
30-40	418.22
40-50	451.22
50-60	432.94
60-70	363.93
70-80	253.39
80-90	92.48
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

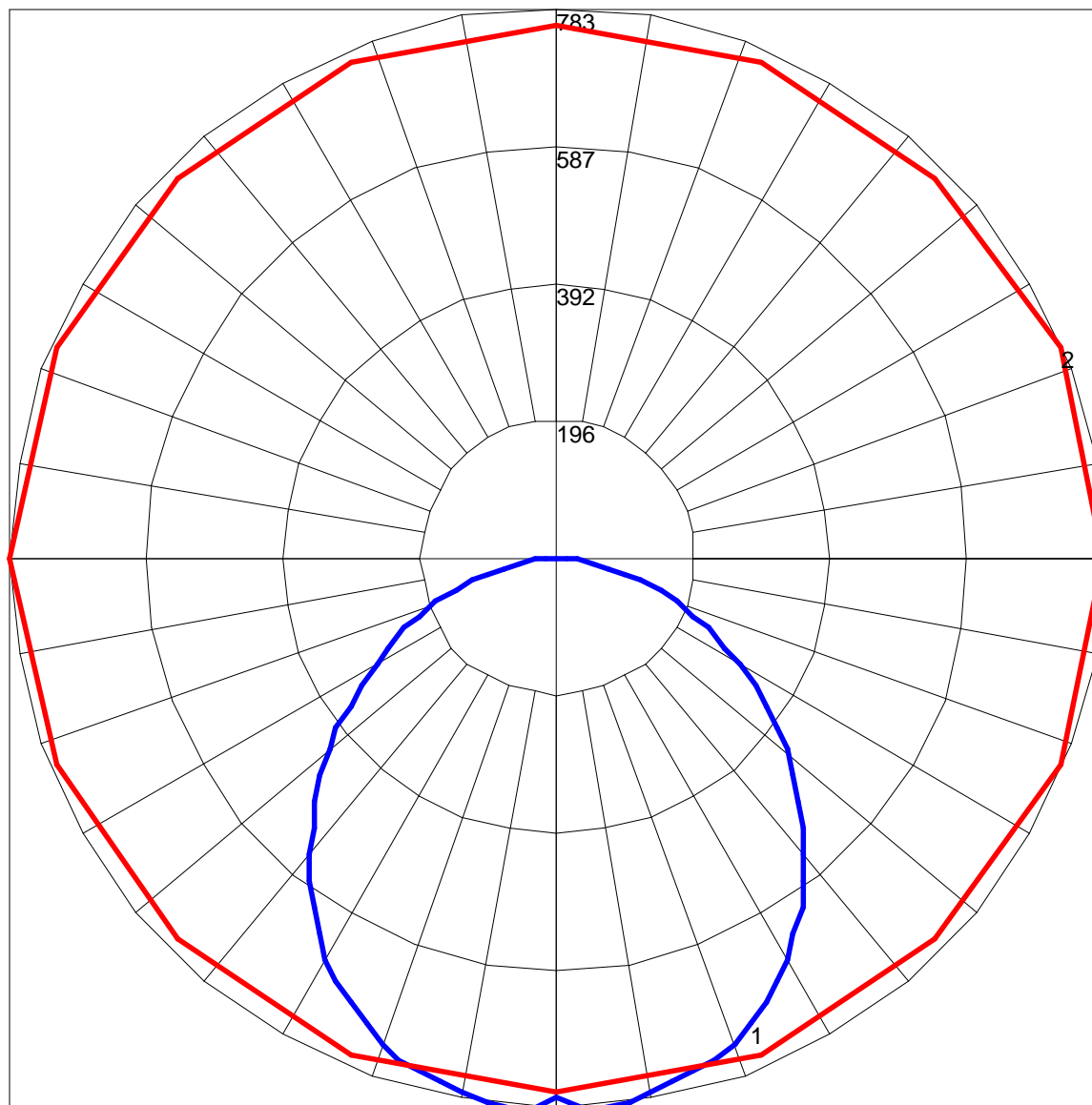
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 783.256 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.)