



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-25L-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8831  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/26/17  
[TEST DATE]04/26/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC22-LED-25L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2570
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	1810	2179	2506
55	1664	2217	2747
65	1495	2265	3098
75	1298	2379	3688
85	987	2529	4349

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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	751	751	751	751	751
2.5	765	760	751	743	740
5.0	764	760	752	745	742
7.5	761	757	751	745	743
10.0	756	754	749	745	743
12.5	747	746	745	744	742
15.0	740	739	740	742	742
17.5	729	731	736	741	744
20.0	715	719	727	737	741
22.5	700	705	720	733	738
25.0	685	692	711	728	735
27.5	665	674	699	722	730
30.0	643	655	685	714	725
32.5	619	633	670	704	718
35.0	594	611	653	693	708
37.5	567	587	637	682	699
40.0	536	560	615	667	687
42.5	508	533	595	653	674
45.0	476	505	573	635	659
47.5	448	477	550	619	643
50.0	417	448	525	599	626
52.5	386	418	499	577	606
55.0	355	388	473	555	586
57.5	324	357	445	532	563
60.0	294	326	416	507	540
62.5	265	296	388	482	516
65.0	235	266	356	452	487
67.5	205	235	325	421	458
70.0	178	206	294	390	425
72.5	151	177	261	358	393
75.0	125	148	229	321	355
77.5	98	119	195	280	315
80.0	74	93	159	239	269
82.5	51	66	122	188	214
85.0	32	43	82	126	141
87.5	14	18	39	54	56
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	281.19	N.A.	10.90
0-30	608.52	N.A.	23.70
0-40	1016.71	N.A.	39.60
0-60	1878.59	N.A.	73.10
0-80	2479.83	N.A.	96.50
0-90	2569.84	N.A.	100.00
10-90	2498.14	N.A.	97.20
20-40	735.52	N.A.	28.60
20-50	1175.88	N.A.	45.80
40-70	1216.78	N.A.	47.30
60-80	601.24	N.A.	23.40
70-80	246.34	N.A.	9.60
80-90	90.01	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	2569.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.71
10-20	209.48
20-30	327.33
30-40	408.19
40-50	440.36
50-60	421.52
60-70	354.89
70-80	246.34
80-90	90.01
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

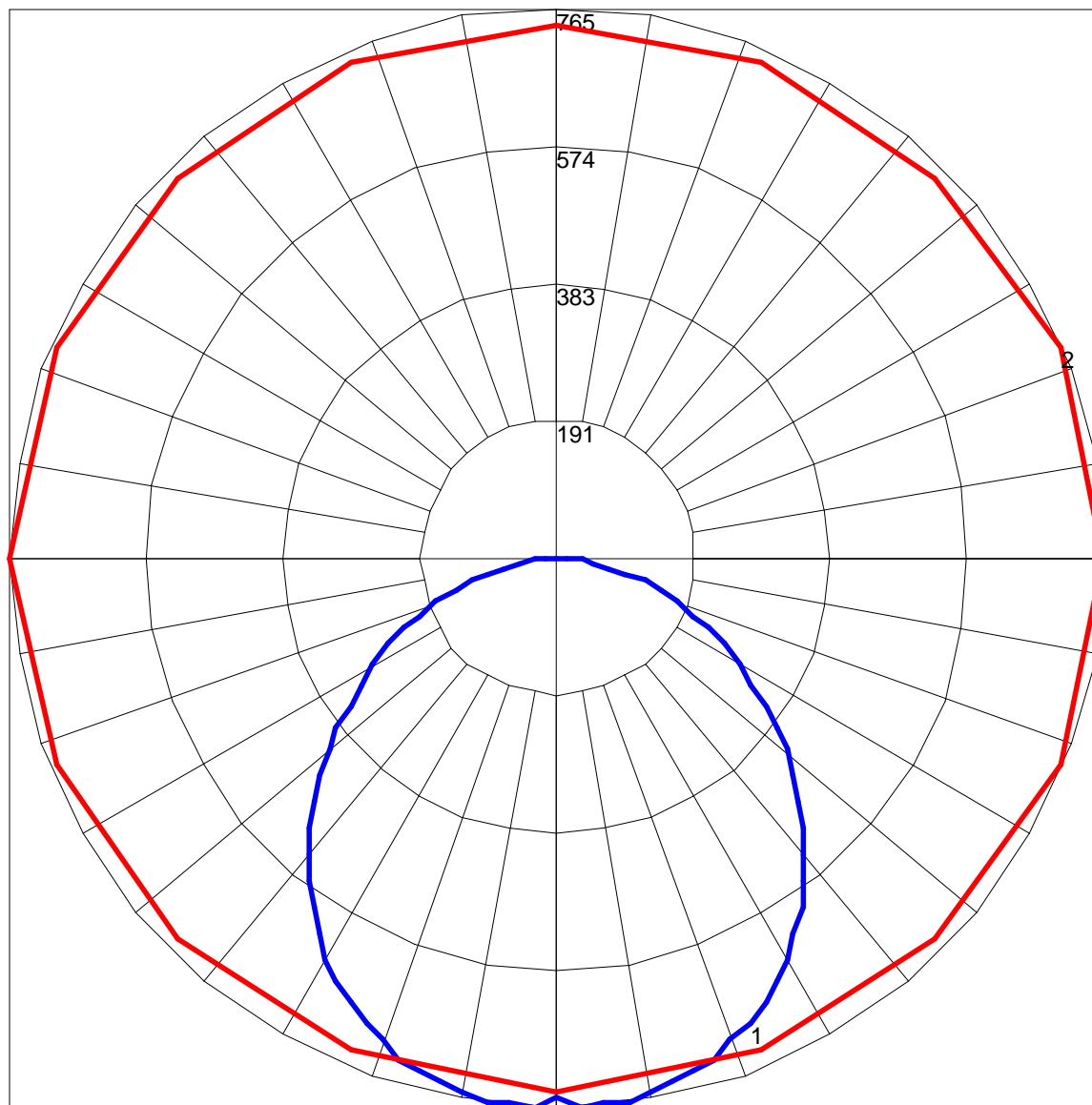
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	27
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 = 765 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.)