



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-25L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8808\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE]DATE]07/17/17  
[TEST]DATE]04/21/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPASC22-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	2603
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	22.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1845	2193	2531
55	1715	2221	2751
65	1592	2344	3096
75	1452	2679	4025
85	1176	3057	3606

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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	765.220	765.220	765.220	765.220	765.220
2.5	782.640	776.418	766.464	756.510	752.777
5.0	781.395	775.174	766.464	757.754	754.022
7.5	778.907	772.685	765.220	758.999	755.266
10.0	772.685	768.953	763.976	758.999	757.754
12.5	765.220	761.487	760.243	758.999	757.754
15.0	754.022	752.777	755.266	757.754	758.999
17.5	741.579	741.579	749.044	755.266	758.999
20.0	726.648	729.136	741.579	752.777	756.510
22.5	707.984	714.205	731.625	747.800	752.777
25.0	689.320	698.030	720.427	741.579	749.044
27.5	668.168	678.122	706.740	732.869	742.823
30.0	643.282	656.969	691.809	724.159	735.358
32.5	617.153	634.573	674.389	710.472	725.404
35.0	589.779	609.687	653.236	696.786	714.205
37.5	562.405	584.802	633.328	681.854	700.518
40.0	532.543	557.428	610.932	664.435	685.587
42.5	503.925	531.299	588.535	647.015	669.412
45.0	475.307	503.925	564.894	628.351	651.992
47.5	445.445	475.307	540.009	607.199	634.573
50.0	415.583	446.689	515.124	587.291	615.909
52.5	385.721	416.827	490.238	566.138	596.001
55.0	358.347	388.209	464.109	544.986	574.848
57.5	327.240	359.591	437.980	521.345	552.451
60.0	299.867	332.217	411.850	496.460	530.055
62.5	271.249	303.599	385.721	471.575	503.925
65.0	245.119	276.226	360.835	444.201	476.552
67.5	217.745	250.096	333.462	418.071	451.666
70.0	190.372	222.723	306.088	391.942	433.002
72.5	162.998	195.349	278.714	369.545	415.583
75.0	136.869	169.219	252.585	339.683	379.499
77.5	109.495	144.334	227.700	311.065	349.637
80.0	84.610	118.205	196.593	257.562	268.760
82.5	60.969	92.075	153.044	182.906	190.372
85.0	37.328	60.969	97.052	109.495	114.472
87.5	17.420	24.885	42.305	54.747	63.457
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	286.65	N.A.	11.00
0-30	618.36	N.A.	23.80
0-40	1027.12	N.A.	39.50
0-60	1879.9	N.A.	72.20
0-80	2504.98	N.A.	96.30
0-90	2602.52	N.A.	100.00
10-90	2529.41	N.A.	97.20
20-40	740.48	N.A.	28.50
20-50	1176.56	N.A.	45.20
40-70	1210.12	N.A.	46.50
60-80	625.08	N.A.	24.00
70-80	267.73	N.A.	10.30
80-90	97.54	N.A.	3.70
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	2602.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	73.11
10-20	213.54
20-30	331.71
30-40	408.76
40-50	436.09
50-60	416.69
60-70	357.35
70-80	267.73
80-90	97.54
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

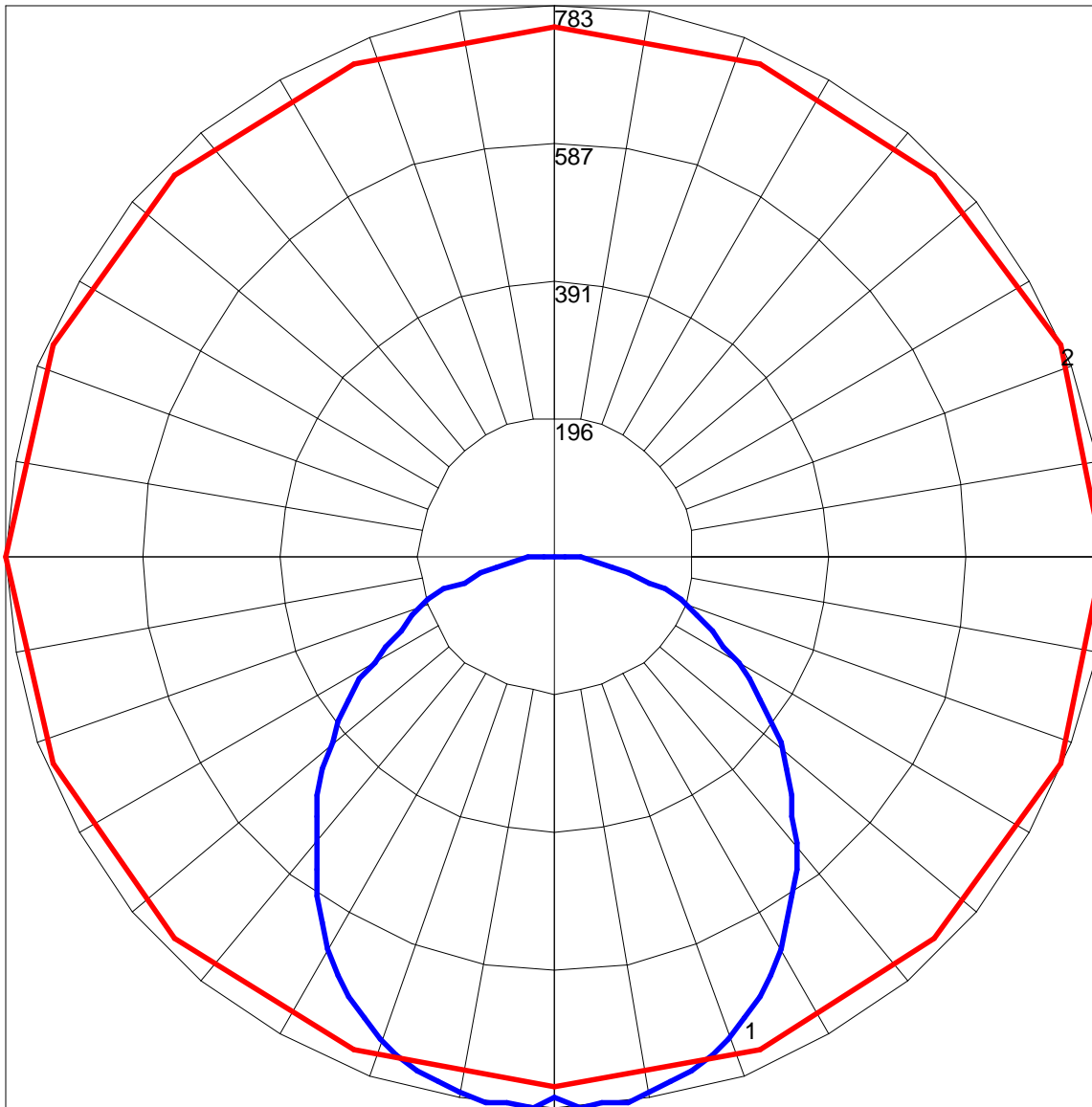
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	87	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	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	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 782.64 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.)