



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-85L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8913\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/10/17  
[TEST DATE]05/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-85L-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\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	64.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	3086	3713	4230
55	2902	3845	4666
65	2678	4004	5283
75	2405	4343	6357
85	2098	5088	6560

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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	2416.735	2416.735	2416.735	2416.735	2416.735
2.5	2465.413	2436.779	2419.598	2396.691	2382.374
5.0	2462.550	2436.779	2419.598	2405.281	2390.964
7.5	2456.823	2433.916	2419.598	2405.281	2390.964
10.0	2439.642	2419.598	2413.872	2405.281	2393.827
12.5	2422.462	2402.418	2405.281	2402.418	2399.554
15.0	2396.691	2385.237	2393.827	2408.145	2405.281
17.5	2359.466	2353.739	2379.510	2405.281	2408.145
20.0	2327.969	2327.969	2365.193	2402.418	2411.008
22.5	2279.290	2290.744	2345.149	2396.691	2408.145
25.0	2227.749	2244.929	2319.378	2385.237	2402.418
27.5	2161.890	2193.387	2287.881	2368.057	2390.964
30.0	2098.894	2138.982	2250.656	2350.876	2379.510
32.5	2030.172	2075.987	2210.568	2327.969	2359.466
35.0	1955.723	2010.128	2164.753	2302.198	2336.559
37.5	1872.683	1941.406	2118.938	2273.563	2316.515
40.0	1789.644	1866.956	2058.806	2230.612	2282.154
42.5	1706.604	1789.644	2004.401	2193.387	2247.793
45.0	1606.384	1703.741	1932.815	2141.846	2201.978
47.5	1511.891	1612.111	1861.230	2087.440	2153.299
50.0	1423.125	1526.208	1789.644	2030.172	2101.758
52.5	1325.768	1434.578	1709.468	1964.313	2047.352
55.0	1225.548	1334.358	1623.565	1889.864	1970.040
57.5	1131.055	1242.729	1537.662	1815.415	1901.318
60.0	1036.562	1145.372	1446.032	1732.375	1821.141
62.5	939.205	1042.289	1348.676	1643.609	1735.239
65.0	833.258	939.205	1245.592	1549.116	1643.609
67.5	738.765	836.122	1142.509	1448.896	1543.389
70.0	641.408	735.902	1039.425	1348.676	1446.032
72.5	549.779	638.545	933.478	1239.865	1331.495
75.0	458.149	544.052	827.531	1116.738	1211.231
77.5	366.519	446.695	712.994	982.156	1056.606
80.0	286.343	357.929	595.593	830.395	893.390
82.5	209.030	269.162	466.739	649.999	684.360
85.0	134.581	186.123	326.431	420.924	420.924
87.5	71.586	97.357	154.625	211.894	217.621
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	908.64	N.A.	10.50
0-30	1977.03	N.A.	22.80
0-40	3327.13	N.A.	38.30
0-60	6252.55	N.A.	72.00
0-80	8353.95	N.A.	96.20
0-90	8683.16	N.A.	100.00
10-90	8452.23	N.A.	97.30
20-40	2418.49	N.A.	27.90
20-50	3901.1	N.A.	44.90
40-70	4155.79	N.A.	47.90
60-80	2101.4	N.A.	24.20
70-80	871.02	N.A.	10.00
80-90	329.21	N.A.	3.80
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	8683.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	230.93
10-20	677.71
20-30	1068.4
30-40	1350.1
40-50	1482.61
50-60	1442.81
60-70	1230.37
70-80	871.02
80-90	329.21
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

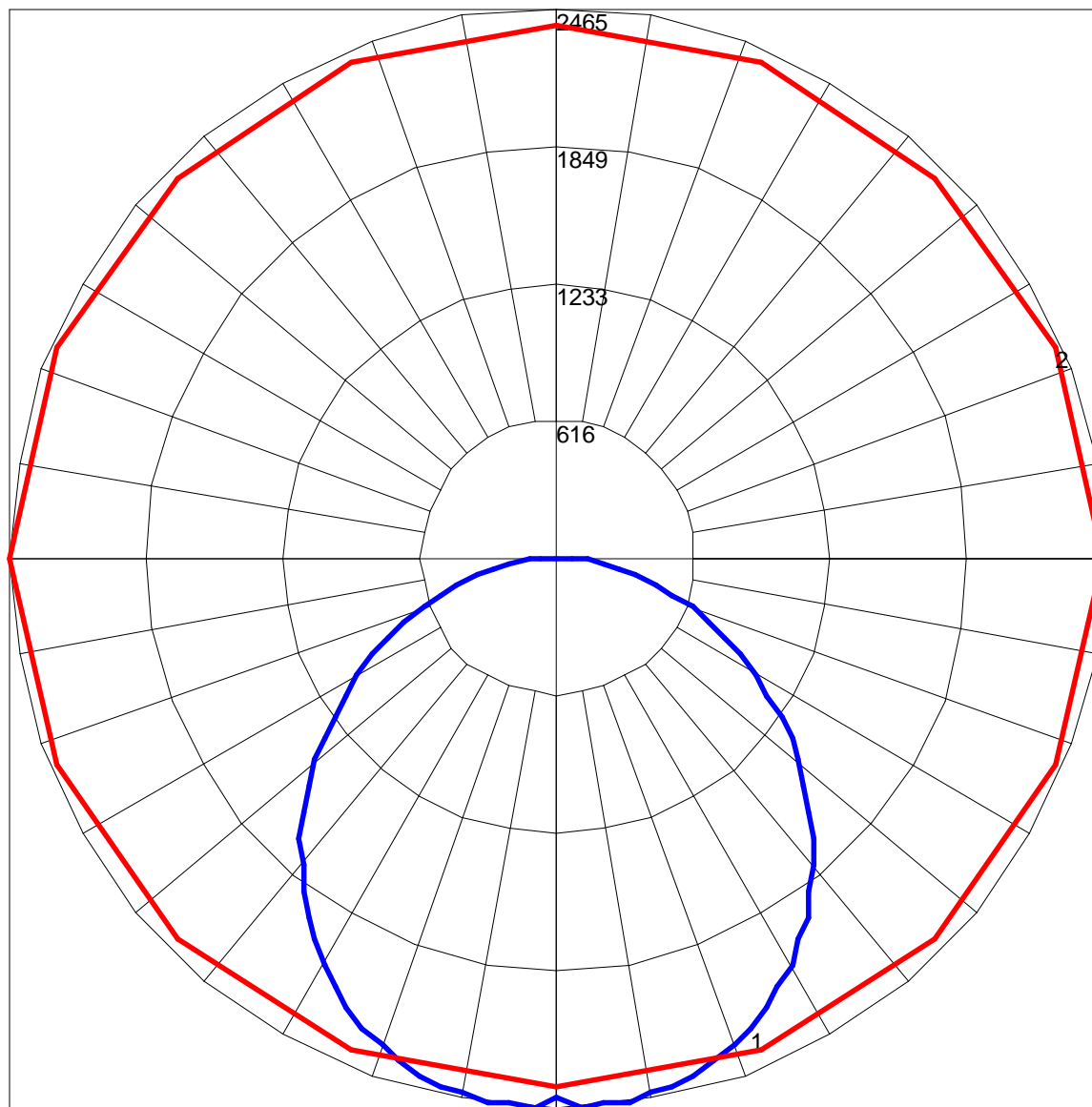
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 2465.413 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.)