



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-65L-50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8850\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE]DATE]07/11/17  
[TEST]DATE]04/28/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPASC14-LED-65L-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\_SOURCE]TYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6952
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	51.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5396	6037	6561
55	5005	6006	6813
65	4645	6113	7012
75	4258	6082	5904
85	3931	5525	6163

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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	2194.121	2194.121	2194.121	2194.121	2194.121
2.5	2249.232	2214.788	2197.565	2176.899	2166.565
5.0	2242.343	2211.343	2197.565	2176.899	2159.676
7.5	2232.010	2204.454	2190.677	2173.454	2163.121
10.0	2232.010	2197.565	2187.232	2173.454	2159.676
12.5	2207.899	2176.899	2173.454	2163.121	2152.787
15.0	2183.788	2156.232	2159.676	2159.676	2145.899
17.5	2156.232	2132.121	2135.565	2142.454	2135.565
20.0	2111.454	2094.232	2104.565	2118.343	2114.898
22.5	2066.676	2056.343	2073.565	2097.676	2094.232
25.0	2021.898	2011.565	2042.565	2070.120	2070.120
27.5	1959.898	1959.898	2001.231	2039.120	2046.009
30.0	1894.453	1908.231	1956.453	2004.676	2015.009
32.5	1822.119	1839.342	1904.786	1963.342	1973.676
35.0	1753.230	1777.341	1853.119	1925.453	1939.231
37.5	1670.563	1701.563	1791.119	1873.786	1891.008
40.0	1594.785	1629.230	1732.563	1822.119	1842.786
42.5	1501.785	1543.118	1660.230	1756.675	1784.230
45.0	1419.117	1460.451	1587.896	1698.119	1725.674
47.5	1329.562	1384.673	1519.007	1639.563	1670.563
50.0	1240.006	1298.561	1439.784	1567.229	1594.785
52.5	1153.894	1215.894	1367.451	1491.451	1529.340
55.0	1067.783	1129.783	1281.339	1415.673	1453.562
57.5	981.671	1050.560	1209.005	1339.895	1377.784
60.0	899.004	967.893	1122.894	1253.783	1295.117
62.5	809.448	878.337	1040.227	1167.672	1198.672
65.0	730.226	795.670	961.004	1081.560	1102.227
67.5	640.670	706.114	871.448	964.449	974.782
70.0	558.003	633.781	781.892	843.893	833.559
72.5	485.669	561.447	688.892	719.892	702.670
75.0	409.891	485.669	585.558	582.114	568.336
77.5	337.557	416.780	478.780	465.002	444.335
80.0	261.779	330.668	365.113	351.335	344.446
82.5	189.445	251.446	268.668	265.223	265.223
85.0	127.445	168.779	179.112	189.445	199.779
87.5	65.445	86.111	86.111	93.000	96.445
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	819.17	N.A.	11.80
0-30	1760.46	N.A.	25.30
0-40	2916.6	N.A.	42.00
0-60	5276.27	N.A.	75.90
0-80	6765.68	N.A.	97.30
0-90	6951.74	N.A.	100.00
10-90	6742.38	N.A.	97.00
20-40	2097.43	N.A.	30.20
20-50	3317.9	N.A.	47.70
40-70	3281.27	N.A.	47.20
60-80	1489.4	N.A.	21.40
70-80	567.80	N.A.	8.20
80-90	186.06	N.A.	2.70
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	6951.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	209.36
10-20	609.82
20-30	941.28
30-40	1156.14
40-50	1220.48
50-60	1139.2
60-70	921.60
70-80	567.80
80-90	186.06
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

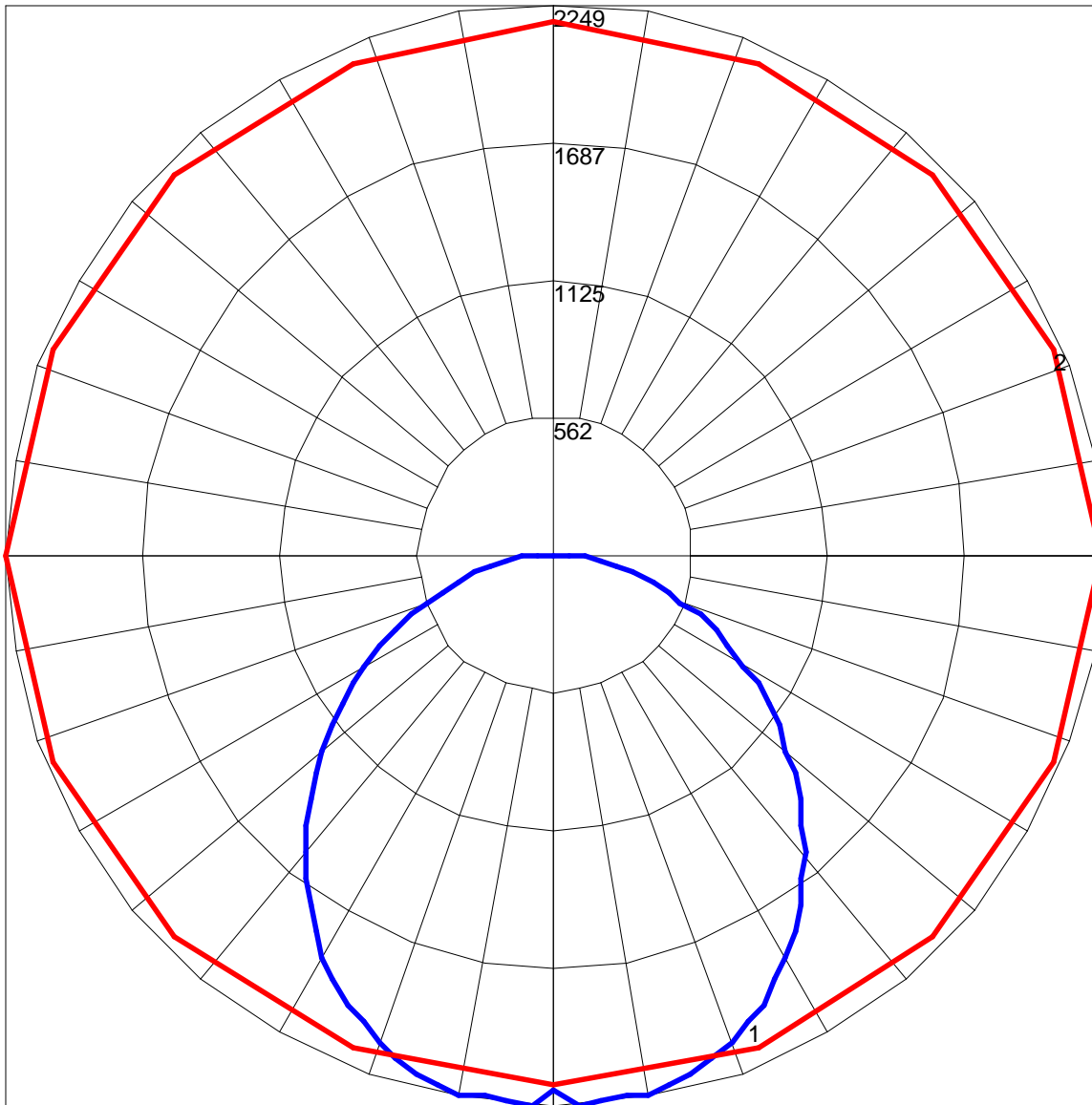
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 2249.232 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.)