



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-60L-35.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-60L-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	5847
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	47.3
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	4538	5078	5518
55	4209	5051	5730
65	3907	5142	5897
75	3581	5115	4965
85	3306	4647	5183

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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	1845.319	1845.319	1845.319	1845.319	1845.319
2.5	1891.669	1862.700	1848.216	1830.834	1822.144
5.0	1885.875	1859.803	1848.216	1830.834	1816.350
7.5	1877.185	1854.010	1842.422	1827.938	1819.247
10.0	1877.185	1848.216	1839.525	1827.938	1816.350
12.5	1856.906	1830.834	1827.938	1819.247	1810.556
15.0	1836.628	1813.453	1816.350	1816.350	1804.762
17.5	1813.453	1793.175	1796.072	1801.866	1796.072
20.0	1775.794	1761.309	1770.000	1781.587	1778.690
22.5	1738.134	1729.443	1743.928	1764.206	1761.309
25.0	1700.474	1691.784	1717.856	1741.031	1741.031
27.5	1648.330	1648.330	1683.093	1714.959	1720.753
30.0	1593.289	1604.877	1645.433	1685.990	1694.681
32.5	1532.455	1546.939	1601.980	1651.227	1659.918
35.0	1474.517	1494.795	1558.527	1619.361	1630.949
37.5	1404.992	1431.064	1506.383	1575.908	1590.393
40.0	1341.260	1370.229	1457.136	1532.455	1549.836
42.5	1263.044	1297.807	1396.301	1477.414	1500.589
45.0	1193.519	1228.281	1335.466	1428.167	1451.342
47.5	1118.200	1164.550	1277.528	1378.920	1404.992
50.0	1042.880	1092.128	1210.900	1318.085	1341.260
52.5	970.458	1022.602	1150.065	1254.353	1286.219
55.0	898.036	950.180	1077.643	1190.622	1222.488
57.5	825.614	883.551	1016.808	1126.890	1158.756
60.0	756.088	814.026	944.386	1054.468	1089.231
62.5	680.769	738.707	874.861	982.046	1008.118
65.0	614.141	669.182	808.232	909.623	927.005
67.5	538.822	593.862	732.913	811.129	819.820
70.0	469.296	533.028	657.594	709.738	701.047
72.5	408.461	472.193	579.378	605.450	590.966
75.0	344.730	408.461	492.471	489.574	477.987
77.5	283.895	350.524	402.668	391.080	373.699
80.0	220.164	278.101	307.070	295.483	289.689
82.5	159.329	211.473	225.957	223.061	223.061
85.0	107.185	141.948	150.638	159.329	168.020
87.5	55.041	72.422	72.422	78.216	81.113
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	688.95	N.A.	11.80
0-30	1480.59	N.A.	25.30
0-40	2452.94	N.A.	42.00
0-60	4437.5	N.A.	75.90
0-80	5690.13	N.A.	97.30
0-90	5846.61	N.A.	100.00
10-90	5670.54	N.A.	97.00
20-40	1764.00	N.A.	30.20
20-50	2790.45	N.A.	47.70
40-70	2759.65	N.A.	47.20
60-80	1252.63	N.A.	21.40
70-80	477.54	N.A.	8.20
80-90	156.48	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	5846.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	176.07
10-20	512.87
20-30	791.65
30-40	972.35
40-50	1026.46
50-60	958.10
60-70	775.09
70-80	477.54
80-90	156.48
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

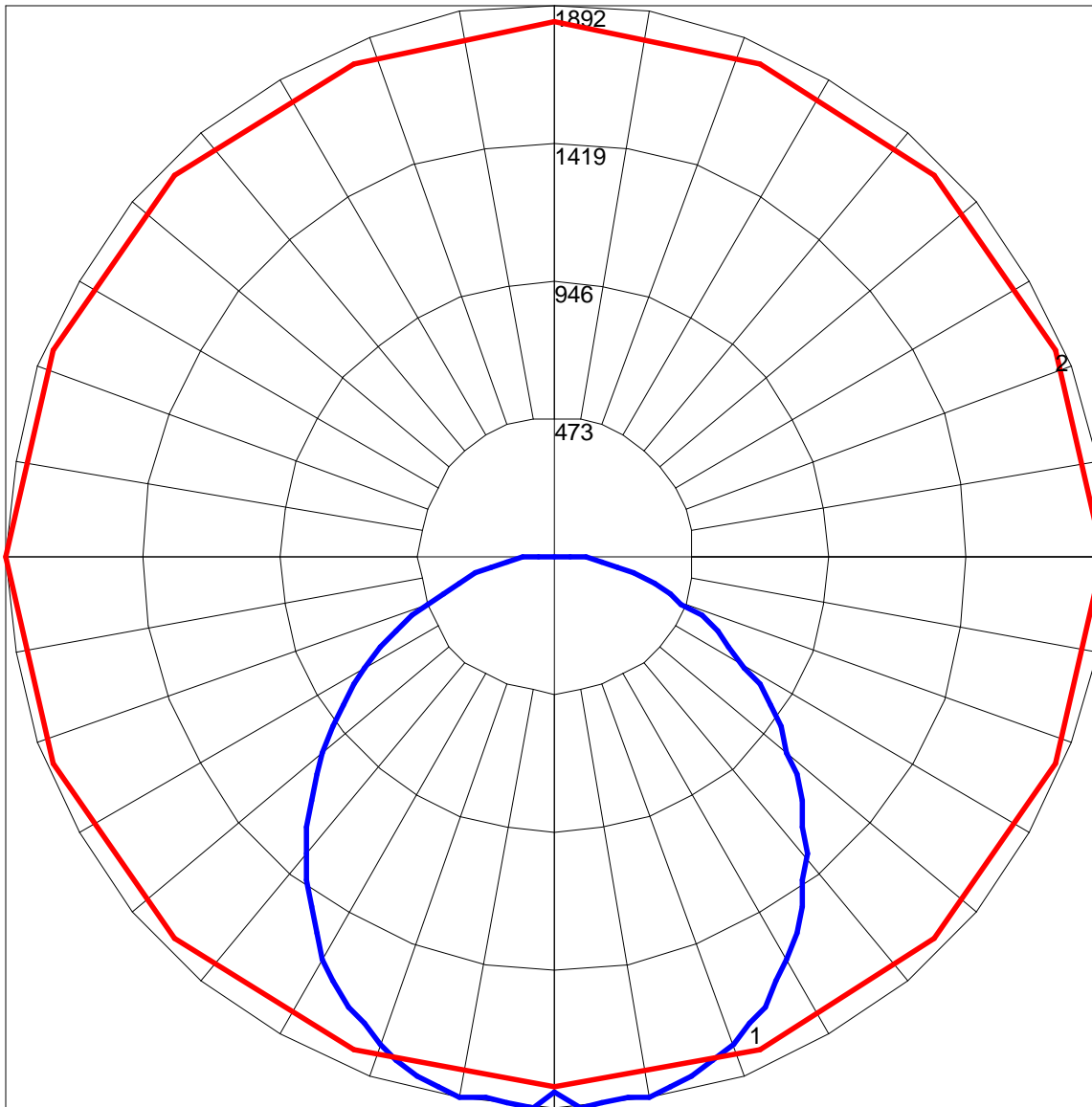
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1891.669 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.)