



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-60L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-60L-30
[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	5795
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	4498	5032	5469
55	4172	5006	5679
65	3872	5096	5845
75	3549	5070	4921
85	3277	4605	5137

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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	1828.923	1828.923	1828.923	1828.923	1828.923
2.5	1874.861	1846.149	1831.794	1814.567	1805.953
5.0	1869.119	1843.278	1831.794	1814.567	1800.211
7.5	1860.505	1837.536	1826.051	1811.696	1803.082
10.0	1860.505	1831.794	1823.180	1811.696	1800.211
12.5	1840.407	1814.567	1811.696	1803.082	1794.469
15.0	1820.309	1797.340	1800.211	1800.211	1788.726
17.5	1797.340	1777.242	1780.113	1785.855	1780.113
20.0	1760.015	1745.659	1754.273	1765.757	1762.886
22.5	1722.690	1714.077	1728.432	1748.530	1745.659
25.0	1685.365	1676.752	1702.592	1725.561	1725.561
27.5	1633.684	1633.684	1668.138	1699.721	1705.463
30.0	1579.133	1590.617	1630.813	1671.009	1679.623
32.5	1518.838	1533.194	1587.746	1636.556	1645.169
35.0	1461.415	1481.513	1544.679	1604.973	1616.457
37.5	1392.508	1418.348	1492.998	1561.906	1576.261
40.0	1329.342	1358.054	1444.188	1518.838	1536.065
42.5	1251.821	1286.275	1383.894	1464.287	1487.256
45.0	1182.914	1217.368	1323.600	1415.477	1438.446
47.5	1108.264	1154.202	1266.177	1366.667	1392.508
50.0	1033.614	1082.424	1200.141	1306.373	1329.342
52.5	961.835	1013.516	1139.847	1243.208	1274.791
55.0	890.057	941.737	1068.068	1180.043	1211.625
57.5	818.278	875.701	1007.774	1116.877	1148.460
60.0	749.370	806.793	935.995	1045.099	1079.552
62.5	674.720	732.143	867.087	973.320	999.160
65.0	608.684	663.236	801.051	901.541	918.768
67.5	534.034	588.586	726.401	803.922	812.535
70.0	465.126	528.292	651.751	703.432	694.818
72.5	404.832	467.997	574.230	600.070	585.715
75.0	341.667	404.832	488.096	485.224	473.740
77.5	281.373	347.409	399.090	387.605	370.378
80.0	218.207	275.630	304.342	292.857	287.115
82.5	157.913	209.594	223.950	221.079	221.079
85.0	106.233	140.686	149.300	157.913	166.527
87.5	54.552	71.779	71.779	77.521	80.392
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	682.83	N.A.	11.80
0-30	1467.44	N.A.	25.30
0-40	2431.15	N.A.	42.00
0-60	4398.07	N.A.	75.90
0-80	5639.57	N.A.	97.30
0-90	5794.66	N.A.	100.00
10-90	5620.15	N.A.	97.00
20-40	1748.32	N.A.	30.20
20-50	2765.66	N.A.	47.70
40-70	2735.13	N.A.	47.20
60-80	1241.5	N.A.	21.40
70-80	473.30	N.A.	8.20
80-90	155.09	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	5794.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.51
10-20	508.32
20-30	784.61
30-40	963.71
40-50	1017.34
50-60	949.59
60-70	768.20
70-80	473.30
80-90	155.09
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

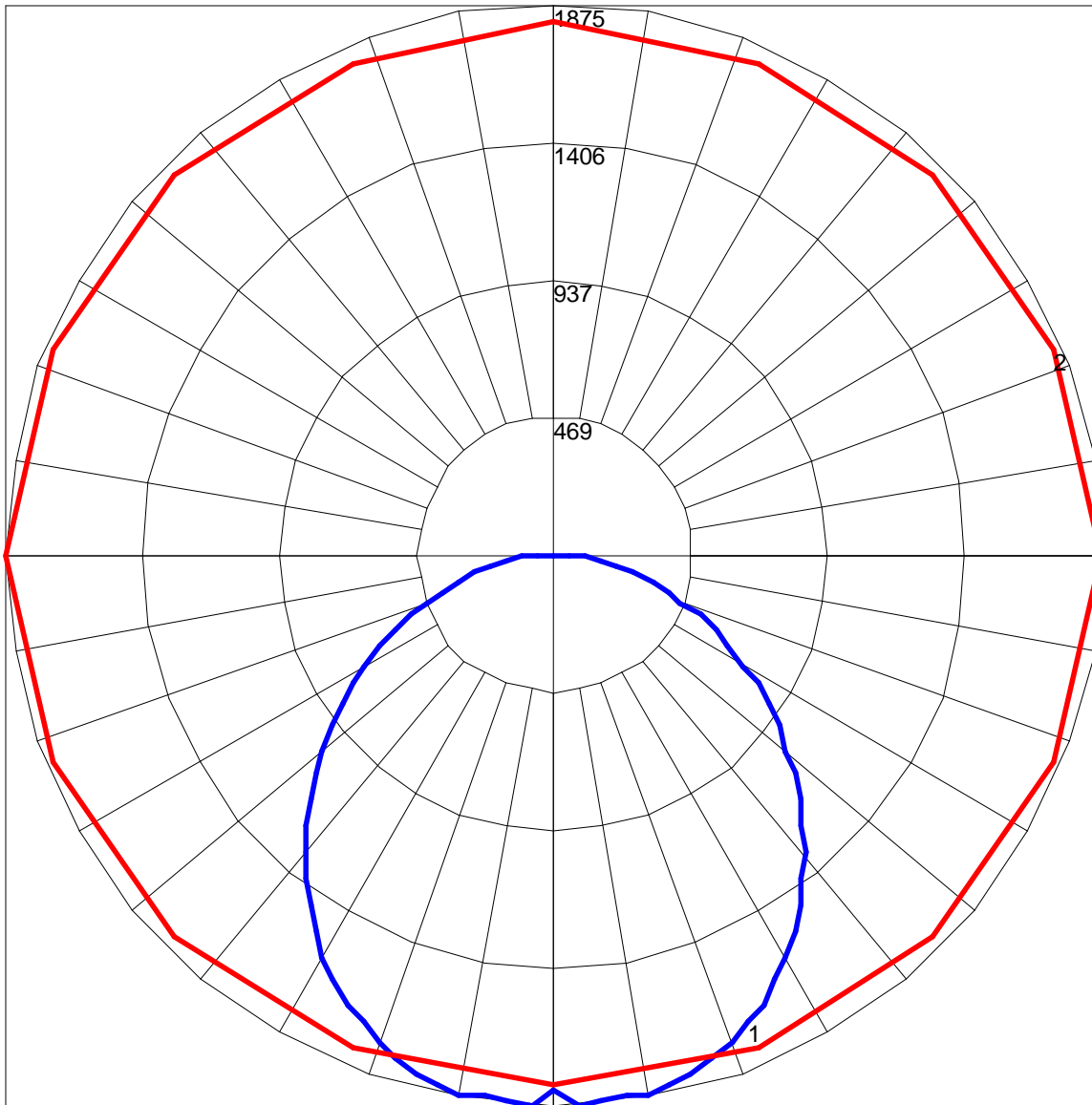
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1874.861 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.)