



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-75L-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-75L-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7281
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	60.8
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	5651	6323	6872
55	5242	6290	7136
65	4865	6403	7344
75	4459	6370	6183
85	4117	5787	6454

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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	2297.984	2297.984	2297.984	2297.984	2297.984
2.5	2355.704	2319.629	2301.591	2279.946	2269.124
5.0	2348.489	2316.021	2301.591	2279.946	2261.909
7.5	2337.667	2308.806	2294.376	2276.339	2265.516
10.0	2337.667	2301.591	2290.769	2276.339	2261.909
12.5	2312.414	2279.946	2276.339	2265.516	2254.694
15.0	2287.161	2258.301	2261.909	2261.909	2247.479
17.5	2258.301	2233.049	2236.656	2243.871	2236.656
20.0	2211.404	2193.366	2204.189	2218.619	2215.011
22.5	2164.506	2153.684	2171.721	2196.974	2193.366
25.0	2117.608	2106.786	2139.253	2168.114	2168.114
27.5	2052.673	2052.673	2095.963	2135.646	2142.861
30.0	1984.131	1998.561	2049.066	2099.571	2110.393
32.5	1908.373	1926.410	1994.953	2056.281	2067.103
35.0	1836.223	1861.475	1940.840	2016.598	2031.028
37.5	1749.642	1782.110	1875.905	1962.485	1980.523
40.0	1670.277	1706.352	1814.578	1908.373	1930.018
42.5	1572.874	1616.165	1738.820	1839.830	1868.690
45.0	1486.294	1529.584	1663.062	1778.502	1807.363
47.5	1392.499	1450.219	1590.912	1717.175	1749.642
50.0	1298.704	1360.031	1507.939	1641.417	1670.277
52.5	1208.516	1273.451	1432.182	1562.052	1601.734
55.0	1118.328	1183.263	1341.994	1482.687	1522.369
57.5	1028.140	1100.291	1266.236	1403.321	1443.004
60.0	941.560	1013.710	1176.048	1313.134	1356.424
62.5	847.765	919.915	1089.468	1222.946	1255.414
65.0	764.792	833.335	1006.495	1132.758	1154.403
67.5	670.997	739.540	912.700	1010.103	1020.925
70.0	584.417	663.782	818.905	883.840	873.017
72.5	508.659	588.024	721.502	753.970	735.932
75.0	429.294	508.659	613.277	609.669	595.239
77.5	353.536	436.509	501.444	487.014	465.369
80.0	274.171	346.321	382.396	367.966	360.751
82.5	198.413	263.348	281.386	277.778	277.778
85.0	133.478	176.768	187.591	198.413	209.236
87.5	68.543	90.188	90.188	97.403	101.010
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	857.95	N.A.	11.80
0-30	1843.79	N.A.	25.30
0-40	3054.66	N.A.	42.00
0-60	5526.04	N.A.	75.90
0-80	7085.94	N.A.	97.30
0-90	7280.81	N.A.	100.00
10-90	7061.55	N.A.	97.00
20-40	2196.71	N.A.	30.20
20-50	3474.96	N.A.	47.70
40-70	3436.6	N.A.	47.20
60-80	1559.91	N.A.	21.40
70-80	594.68	N.A.	8.20
80-90	194.87	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	7280.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.27
10-20	638.68
20-30	985.84
30-40	1210.87
40-50	1278.25
50-60	1193.13
60-70	965.22
70-80	594.68
80-90	194.87
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

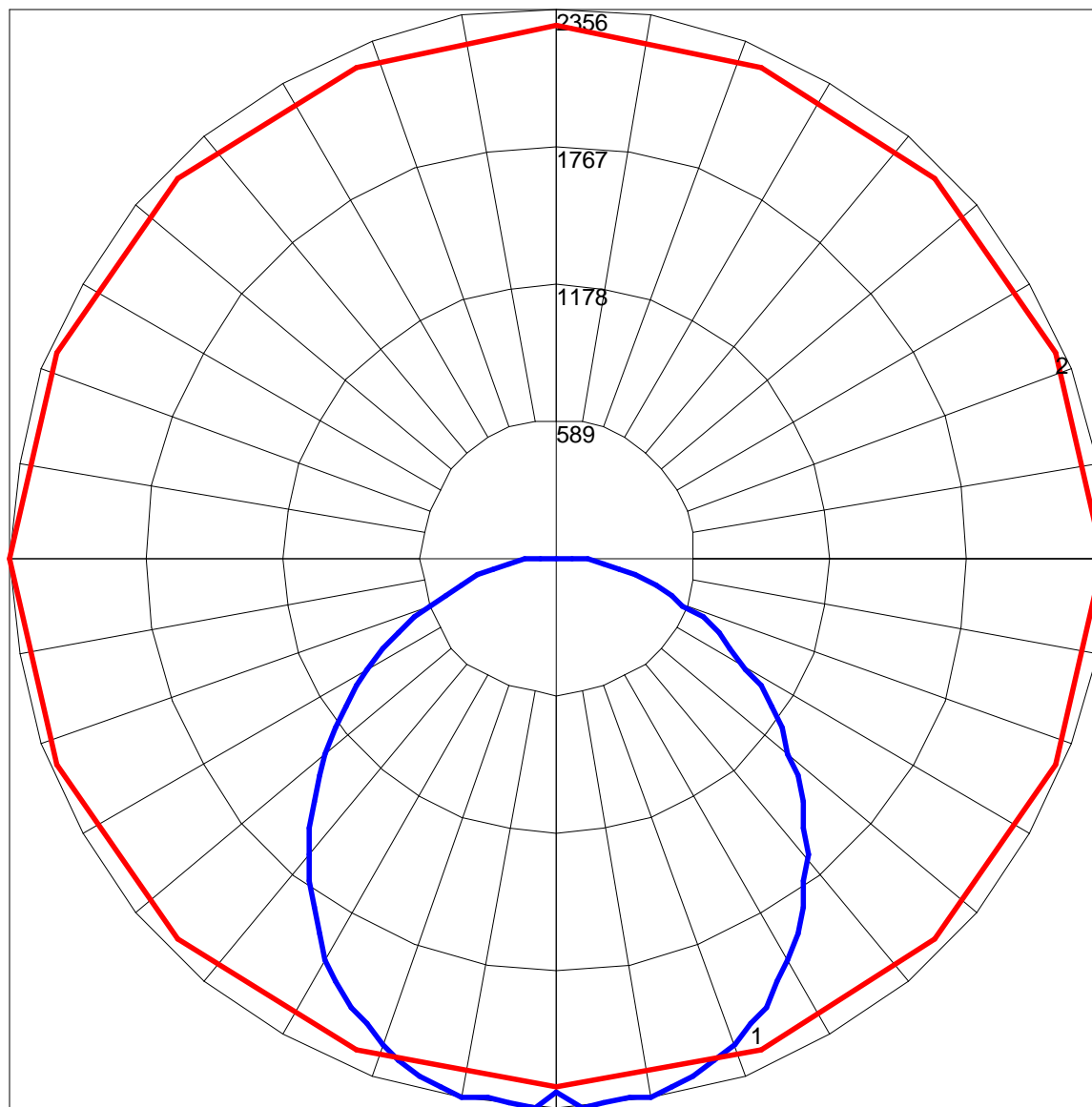
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2355.704 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.)