



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-75L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-75L-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	7346
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	5701	6379	6933
55	5289	6346	7199
65	4909	6460	7409
75	4499	6427	6238
85	4154	5838	6512

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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	2318.489	2318.489	2318.489	2318.489	2318.489
2.5	2376.724	2340.327	2322.129	2300.290	2289.371
5.0	2369.445	2336.687	2322.129	2300.290	2282.092
7.5	2358.526	2329.408	2314.849	2296.651	2285.732
10.0	2358.526	2322.129	2311.209	2296.651	2282.092
12.5	2333.048	2300.290	2296.651	2285.732	2274.812
15.0	2307.570	2278.452	2282.092	2282.092	2267.533
17.5	2278.452	2252.974	2256.614	2263.893	2256.614
20.0	2231.136	2212.938	2223.857	2238.415	2234.776
22.5	2183.820	2172.901	2191.099	2216.577	2212.938
25.0	2136.504	2125.585	2158.342	2187.460	2187.460
27.5	2070.989	2070.989	2114.666	2154.702	2161.982
30.0	2001.835	2016.394	2067.350	2118.305	2129.224
32.5	1925.401	1943.600	2012.754	2074.629	2085.548
35.0	1852.607	1878.085	1958.159	2034.592	2049.151
37.5	1765.254	1798.012	1892.644	1979.997	1998.195
40.0	1685.181	1721.578	1830.769	1925.401	1947.239
42.5	1586.909	1630.586	1754.335	1856.247	1885.365
45.0	1499.556	1543.233	1677.902	1794.372	1823.490
47.5	1404.924	1463.159	1605.108	1732.497	1765.254
50.0	1310.292	1372.167	1521.395	1656.063	1685.181
52.5	1219.299	1284.814	1444.961	1575.990	1616.027
55.0	1128.307	1193.822	1353.968	1495.917	1535.953
57.5	1037.314	1110.108	1277.535	1415.843	1455.880
60.0	949.962	1022.756	1186.542	1324.851	1368.527
62.5	855.329	928.123	1099.189	1233.858	1266.616
65.0	771.616	840.771	1015.476	1142.866	1164.704
67.5	676.984	746.138	920.844	1019.116	1030.035
70.0	589.631	669.705	826.212	891.726	880.807
72.5	513.198	593.271	727.940	760.697	742.499
75.0	433.124	513.198	618.749	615.109	600.550
77.5	356.691	440.404	505.918	491.359	469.521
80.0	276.617	349.411	385.808	371.249	363.970
82.5	200.183	265.698	283.897	280.257	280.257
85.0	134.669	178.345	189.264	200.183	211.103
87.5	69.154	90.992	90.992	98.272	101.912
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	865.61	N.A.	11.80
0-30	1860.24	N.A.	25.30
0-40	3081.92	N.A.	42.00
0-60	5575.35	N.A.	75.90
0-80	7149.17	N.A.	97.30
0-90	7345.78	N.A.	100.00
10-90	7124.56	N.A.	97.00
20-40	2216.31	N.A.	30.20
20-50	3505.97	N.A.	47.70
40-70	3467.27	N.A.	47.20
60-80	1573.83	N.A.	21.40
70-80	599.99	N.A.	8.20
80-90	196.61	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	7345.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.22
10-20	644.38
20-30	994.64
30-40	1221.68
40-50	1289.66
50-60	1203.77
60-70	973.84
70-80	599.99
80-90	196.61
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

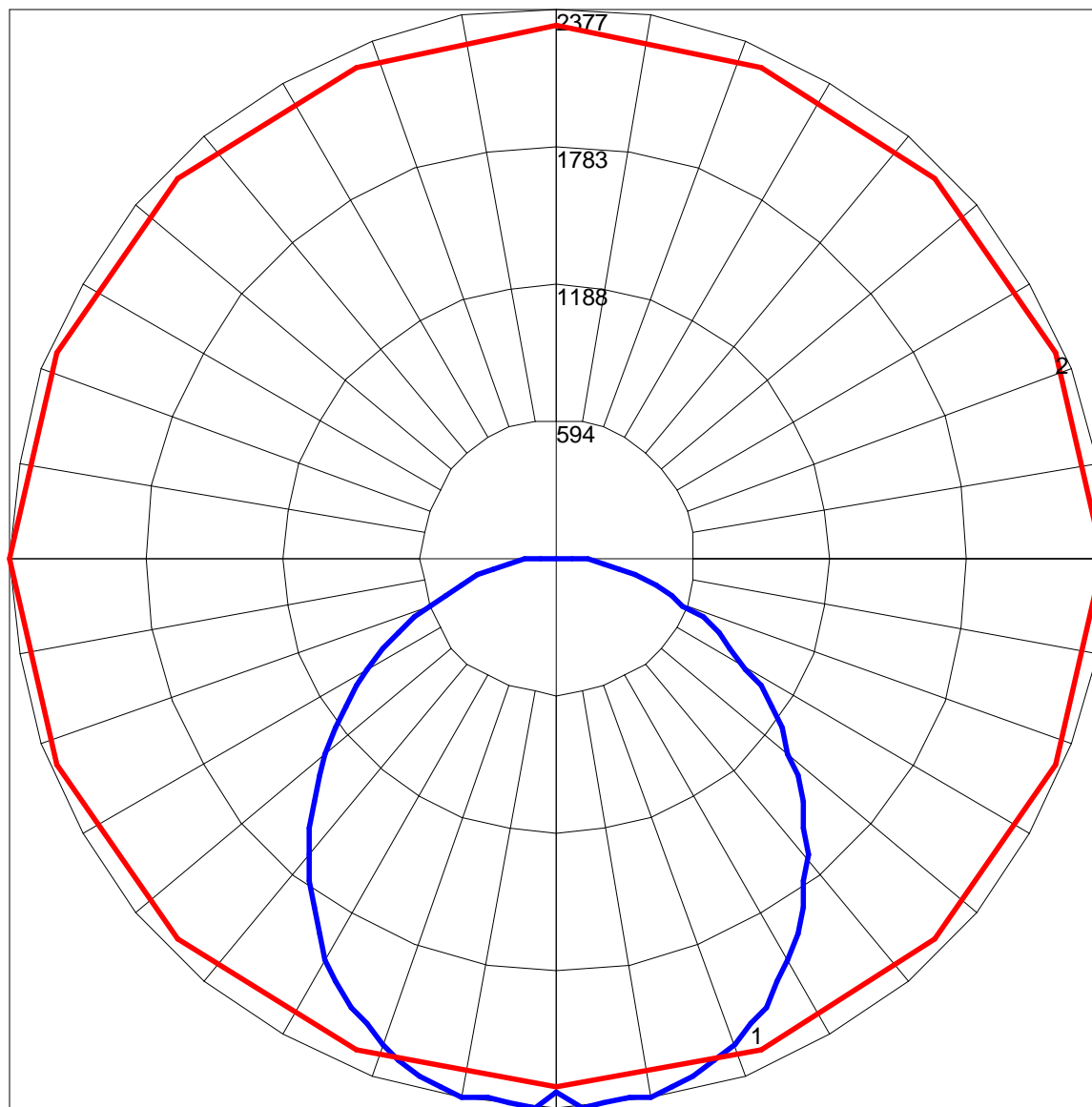
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2376.724 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.)