



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-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-80L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7579
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	63.4
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	5882	6582	7153
55	5456	6548	7428
65	5064	6665	7644
75	4642	6631	6436
85	4286	6023	6718

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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	2392.037	2392.037	2392.037	2392.037	2392.037
2.5	2452.120	2414.568	2395.792	2373.261	2361.996
5.0	2444.609	2410.813	2395.792	2373.261	2354.485
7.5	2433.344	2403.302	2388.282	2369.506	2358.241
10.0	2433.344	2395.792	2384.527	2369.506	2354.485
12.5	2407.058	2373.261	2369.506	2358.241	2346.975
15.0	2380.771	2350.730	2354.485	2354.485	2339.465
17.5	2350.730	2324.444	2328.199	2335.710	2328.199
20.0	2301.913	2283.137	2294.403	2309.423	2305.668
22.5	2253.096	2241.831	2260.606	2286.892	2283.137
25.0	2204.279	2193.013	2226.810	2256.851	2256.851
27.5	2136.686	2136.686	2181.748	2223.055	2230.565
30.0	2065.338	2080.359	2132.931	2185.503	2196.769
32.5	1986.480	2005.255	2076.604	2140.441	2151.707
35.0	1911.376	1937.663	2020.276	2099.134	2114.155
37.5	1821.253	1855.049	1952.683	2042.807	2061.583
40.0	1738.639	1776.191	1888.846	1986.480	2009.011
42.5	1637.250	1682.312	1809.987	1915.132	1945.173
45.0	1547.126	1592.188	1731.129	1851.294	1881.335
47.5	1449.492	1509.574	1656.026	1787.456	1821.253
50.0	1351.858	1415.695	1569.657	1708.598	1738.639
52.5	1257.979	1325.572	1490.799	1625.984	1667.291
55.0	1164.100	1231.693	1396.920	1543.371	1584.678
57.5	1070.221	1145.324	1318.061	1460.757	1502.064
60.0	980.097	1055.200	1224.182	1366.878	1411.940
62.5	882.463	957.566	1134.058	1272.999	1306.796
65.0	796.094	867.442	1047.690	1179.120	1201.651
67.5	698.460	769.808	950.056	1051.445	1062.710
70.0	608.336	690.949	852.421	920.014	908.749
72.5	529.478	612.091	751.032	784.828	766.053
75.0	446.864	529.478	638.377	634.622	619.601
77.5	368.006	454.374	521.967	506.947	484.416
80.0	285.392	360.495	398.047	383.026	375.516
82.5	206.534	274.127	292.902	289.147	289.147
85.0	138.941	184.003	195.268	206.534	217.799
87.5	71.348	93.879	93.879	101.389	105.144
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	893.06	N.A.	11.80
0-30	1919.25	N.A.	25.30
0-40	3179.68	N.A.	42.00
0-60	5752.21	N.A.	75.90
0-80	7375.96	N.A.	97.30
0-90	7578.81	N.A.	100.00
10-90	7350.57	N.A.	97.00
20-40	2286.62	N.A.	30.20
20-50	3617.19	N.A.	47.70
40-70	3577.26	N.A.	47.20
60-80	1623.75	N.A.	21.40
70-80	619.02	N.A.	8.20
80-90	202.84	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	7578.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	228.24
10-20	664.82
20-30	1026.19
30-40	1260.43
40-50	1330.57
50-60	1241.96
60-70	1004.73
70-80	619.02
80-90	202.84
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

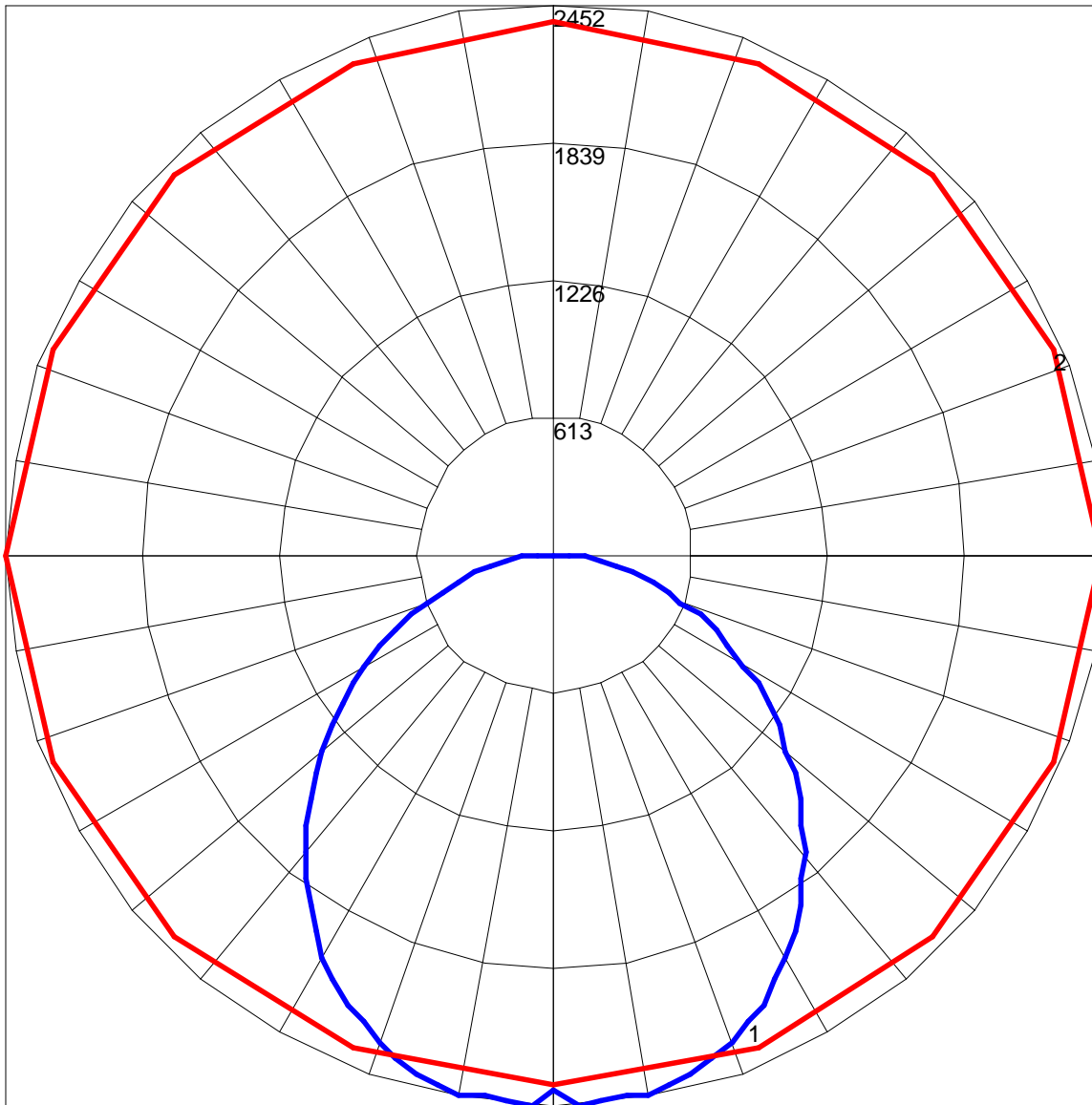
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2452.12 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.)