



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8963
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/26/17
[TEST DATE]05/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-80L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7790
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	6030	6779	7391
55	5568	6759	7720
65	5172	6883	7895
75	4664	6887	6700
85	4288	6015	5737

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2451	2451	2451	2451	2451
2.5	2508	2471	2453	2434	2416
5.0	2504	2468	2451	2433	2416
7.5	2498	2463	2447	2431	2415
10.0	2482	2449	2437	2424	2410
12.5	2462	2433	2425	2417	2404
15.0	2435	2408	2406	2404	2393
17.5	2400	2377	2380	2386	2379
20.0	2357	2340	2353	2367	2364
22.5	2307	2295	2318	2343	2342
25.0	2251	2244	2281	2315	2319
27.5	2183	2187	2235	2282	2288
30.0	2113	2123	2185	2243	2256
32.5	2037	2055	2130	2202	2218
35.0	1954	1979	2069	2154	2172
37.5	1867	1901	2004	2100	2124
40.0	1775	1817	1934	2042	2069
42.5	1680	1730	1861	1977	2007
45.0	1586	1639	1783	1912	1944
47.5	1484	1547	1699	1839	1875
50.0	1387	1452	1618	1765	1806
52.5	1289	1354	1529	1684	1728
55.0	1188	1262	1442	1601	1647
57.5	1092	1168	1351	1515	1562
60.0	997	1076	1262	1425	1465
62.5	904	984	1173	1326	1357
65.0	813	893	1082	1219	1241
67.5	721	800	985	1099	1109
70.0	627	710	886	967	959
72.5	539	621	777	821	800
75.0	449	540	663	665	645
77.5	369	459	538	524	507
80.0	288	375	415	395	380
82.5	211	286	297	287	285
85.0	139	191	195	190	186
87.5	68	97	95	106	110
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	913.91	N.A.	11.70
0-30	1965.28	N.A.	25.20
0-40	3258.02	N.A.	41.80
0-60	5906.16	N.A.	75.80
0-80	7585.93	N.A.	97.40
0-90	7790.22	N.A.	100.00
10-90	7556.47	N.A.	97.00
20-40	2344.1	N.A.	30.10
20-50	3712.84	N.A.	47.70
40-70	3688.34	N.A.	47.30
60-80	1679.77	N.A.	21.60
70-80	639.57	N.A.	8.20
80-90	204.29	N.A.	2.60
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	7790.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.75
10-20	680.16
20-30	1051.37
30-40	1292.74
40-50	1368.74
50-60	1279.41
60-70	1040.2
70-80	639.57
80-90	204.29
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

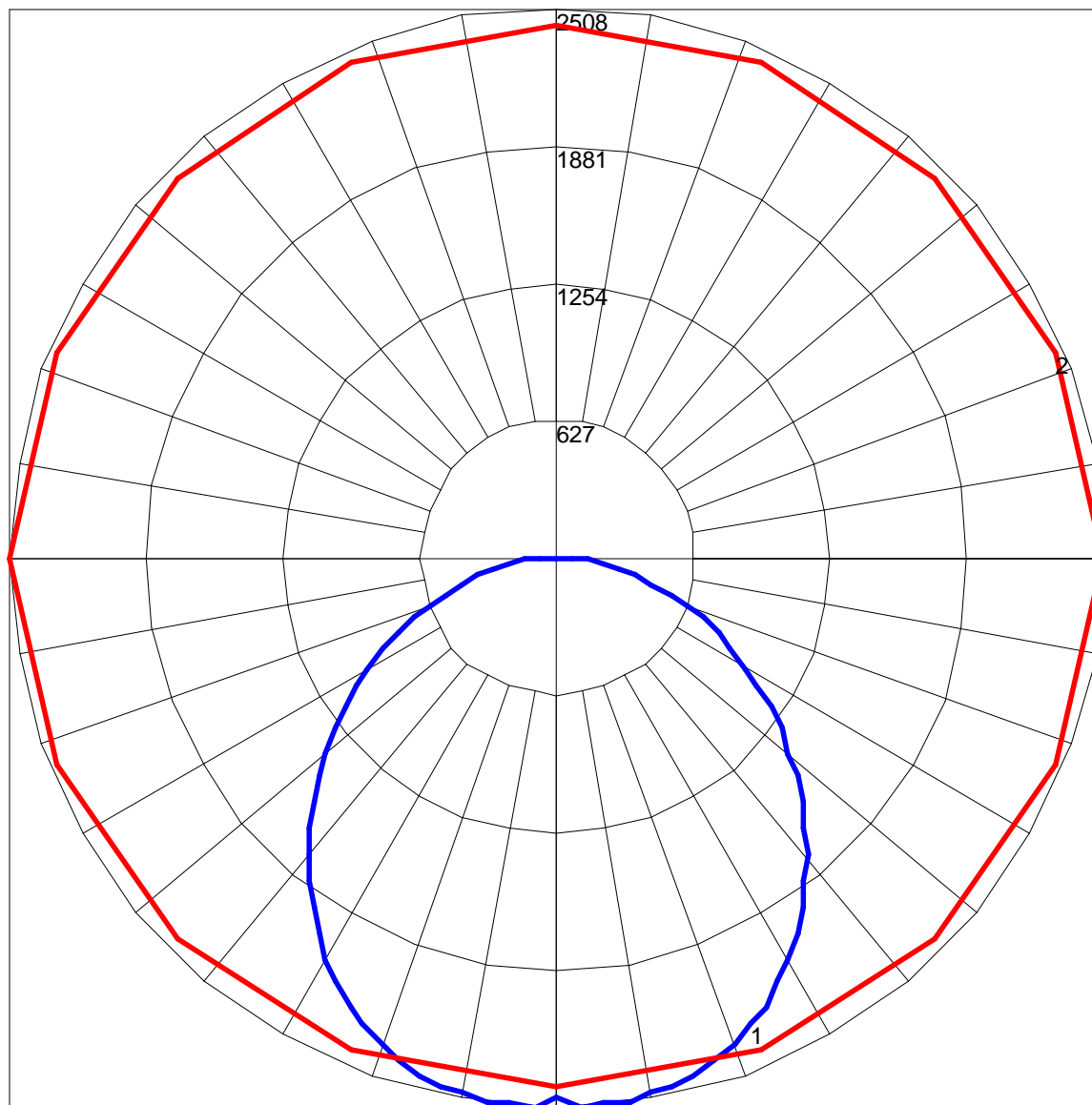
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-40.IES

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	51	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	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	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	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 2508 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.)