



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-80L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8798
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/19/17
[TEST DATE]04/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-80L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8036
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	66.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2968	3406	3756
55	2747	3417	3943
65	2510	3520	4275
75	2294	4031	5222
85	2042	5252	5673

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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	2417	2417	2417	2417	2417
2.5	2473	2439	2419	2397	2380
5.0	2472	2438	2420	2399	2382
7.5	2465	2432	2416	2398	2382
10.0	2449	2419	2408	2395	2381
12.5	2427	2400	2396	2390	2379
15.0	2398	2375	2378	2380	2372
17.5	2363	2344	2356	2368	2363
20.0	2321	2308	2330	2351	2351
22.5	2270	2266	2299	2329	2332
25.0	2213	2217	2262	2304	2310
27.5	2149	2161	2220	2273	2284
30.0	2078	2099	2171	2238	2253
32.5	2001	2030	2117	2197	2216
35.0	1920	1956	2058	2152	2174
37.5	1829	1871	1992	2101	2127
40.0	1738	1788	1924	2045	2075
42.5	1639	1700	1850	1984	2017
45.0	1545	1612	1773	1920	1955
47.5	1448	1521	1694	1847	1887
50.0	1352	1430	1613	1773	1818
52.5	1255	1337	1529	1697	1741
55.0	1160	1244	1443	1619	1665
57.5	1065	1149	1355	1535	1584
60.0	971	1055	1269	1453	1500
62.5	871	962	1184	1368	1416
65.0	781	871	1095	1284	1330
67.5	692	785	1011	1198	1244
70.0	605	700	928	1112	1156
72.5	520	620	848	1030	1087
75.0	437	542	768	956	995
77.5	357	462	690	864	899
80.0	281	390	607	748	768
82.5	200	317	496	562	556
85.0	131	237	337	363	364
87.5	66	132	166	169	161
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	903.14	N.A.	11.20
0-30	1945.55	N.A.	24.20
0-40	3229.31	N.A.	40.20
0-60	5868.17	N.A.	73.00
0-80	7719.33	N.A.	96.10
0-90	8035.86	N.A.	100.00
10-90	7805.15	N.A.	97.10
20-40	2326.17	N.A.	28.90
20-50	3686.76	N.A.	45.90
40-70	3706.3	N.A.	46.10
60-80	1851.15	N.A.	23.00
70-80	783.71	N.A.	9.80
80-90	316.53	N.A.	3.90
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	8035.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	230.70
10-20	672.44
20-30	1042.41
30-40	1283.76
40-50	1360.6
50-60	1278.26
60-70	1067.44
70-80	783.71
80-90	316.53
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

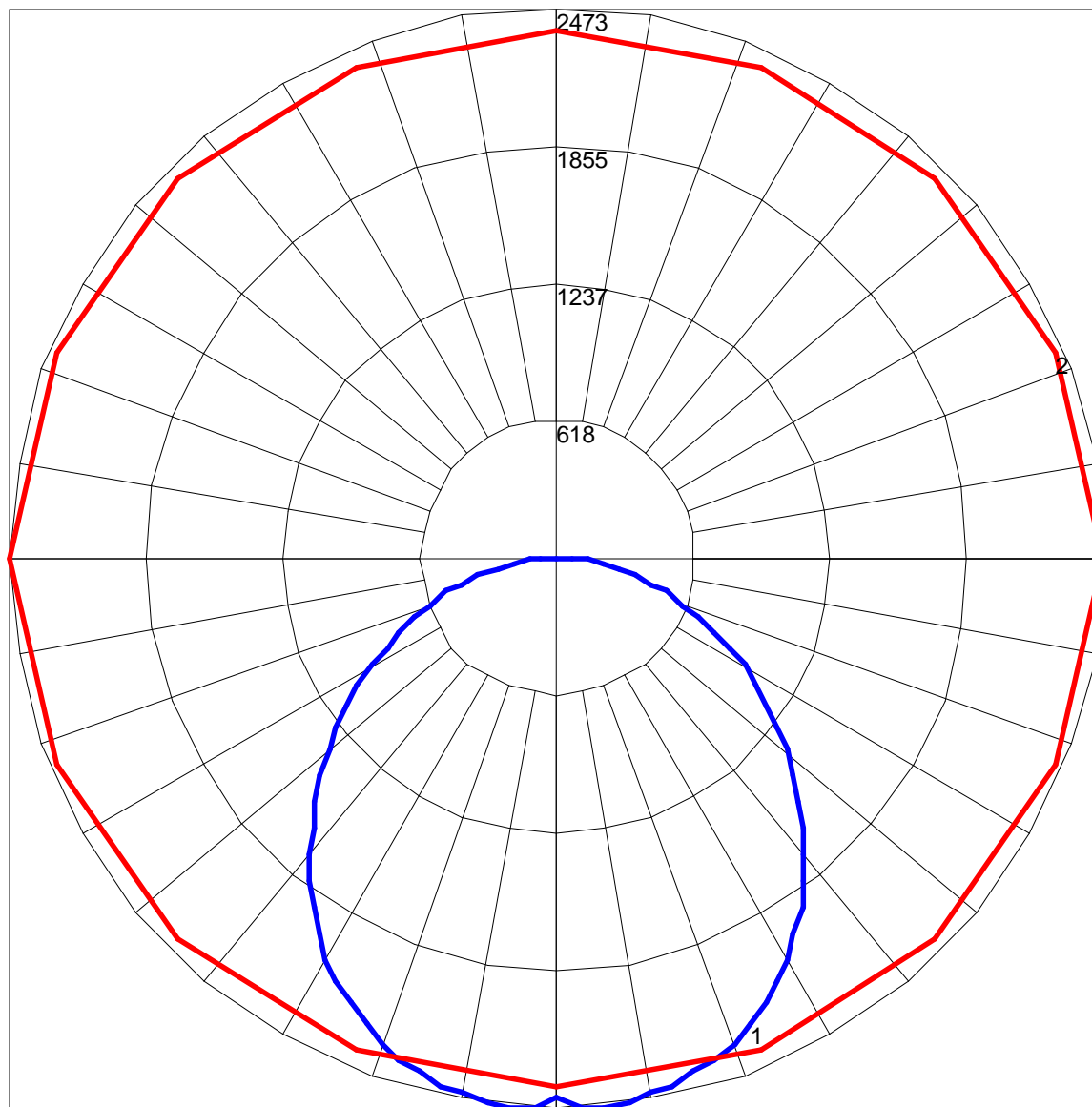
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	104	100	95	91	95	92	88	91	88	85	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46
5	74	60	50	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2473 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.)