



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-72L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/13/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-72L-50
[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	7739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	59.6
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	2877	3282	3614
55	2643	3294	3811
65	2452	3399	4143
75	2215	3896	5097
85	2021	4953	4755

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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	2326.287	2326.287	2326.287	2326.287	2326.287
2.5	2382.220	2346.626	2328.829	2305.948	2288.151
5.0	2382.220	2346.626	2328.829	2308.490	2290.693
7.5	2372.050	2338.999	2323.745	2308.490	2290.693
10.0	2359.338	2328.829	2316.117	2305.948	2290.693
12.5	2338.999	2311.033	2305.948	2298.321	2285.609
15.0	2313.575	2285.609	2285.609	2288.151	2277.982
17.5	2277.982	2255.100	2265.270	2275.439	2267.812
20.0	2234.761	2219.507	2239.846	2257.642	2255.100
22.5	2186.455	2178.828	2209.337	2237.303	2239.846
25.0	2133.065	2133.065	2173.744	2214.422	2216.964
27.5	2069.506	2077.133	2130.523	2181.371	2194.083
30.0	2003.403	2018.658	2084.760	2150.862	2163.574
32.5	1927.132	1950.013	2033.912	2110.184	2127.981
35.0	1845.775	1878.826	1977.980	2066.963	2087.302
37.5	1764.419	1802.555	1911.877	2018.658	2044.082
40.0	1677.977	1723.740	1850.860	1965.268	1995.776
42.5	1588.994	1639.842	1779.673	1909.335	1939.844
45.0	1497.468	1550.858	1708.486	1845.775	1881.369
47.5	1398.315	1464.417	1632.214	1782.215	1820.351
50.0	1301.704	1375.433	1550.858	1713.571	1756.792
52.5	1207.635	1283.907	1472.044	1637.299	1683.062
55.0	1116.109	1194.923	1390.687	1561.028	1609.333
57.5	1024.583	1108.482	1309.331	1484.756	1530.519
60.0	938.142	1019.498	1225.432	1405.942	1451.705
62.5	849.158	933.057	1141.533	1322.043	1370.348
65.0	762.717	846.616	1057.634	1240.686	1288.992
67.5	668.649	755.090	978.820	1161.872	1207.635
70.0	584.750	676.276	894.921	1080.516	1126.279
72.5	503.393	597.462	816.107	999.159	1047.465
75.0	422.037	521.190	742.378	922.888	971.193
77.5	345.765	450.003	666.106	849.158	887.294
80.0	272.036	381.359	594.919	716.954	722.039
82.5	200.849	310.172	485.597	526.275	503.393
85.0	129.662	236.442	317.799	312.714	305.087
87.5	63.560	129.662	142.374	152.543	152.543
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	868.78	N.A.	11.20
0-30	1870.65	N.A.	24.20
0-40	3104.72	N.A.	40.10
0-60	5648.37	N.A.	73.00
0-80	7440.79	N.A.	96.10
0-90	7739.17	N.A.	100.00
10-90	7517.16	N.A.	97.10
20-40	2235.95	N.A.	28.90
20-50	3546.84	N.A.	45.80
40-70	3576.81	N.A.	46.20
60-80	1792.42	N.A.	23.20
70-80	759.26	N.A.	9.80
80-90	298.38	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	7739.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.01
10-20	646.77
20-30	1001.87
30-40	1234.08
40-50	1310.89
50-60	1232.76
60-70	1033.16
70-80	759.26
80-90	298.38
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

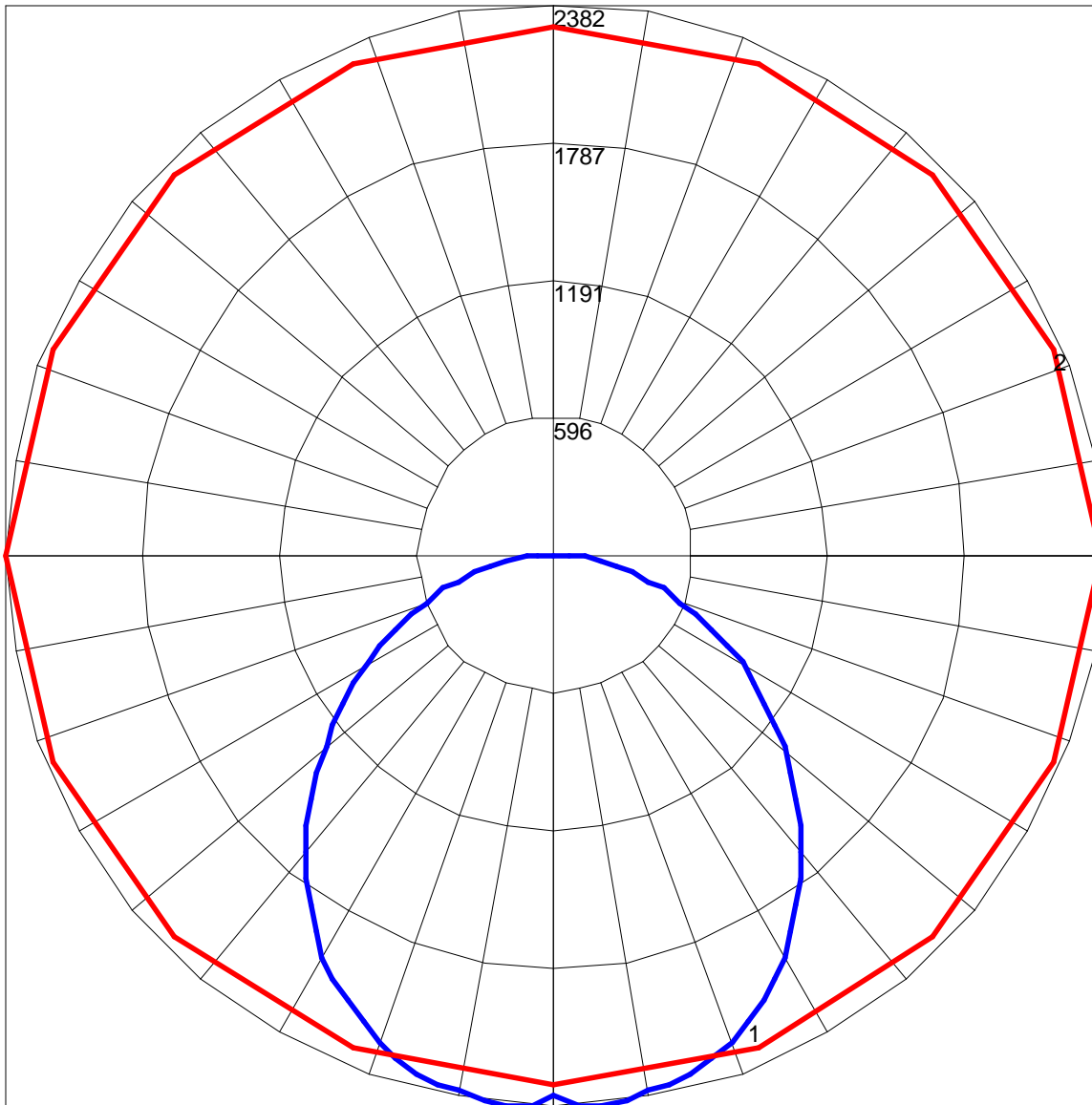
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	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	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	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	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	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 = 2382.22 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.)