



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-80L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]08/18/17
[TESTDATE]04/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC24-LED-80L-30
[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	7748
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	2880	3286	3618
55	2646	3297	3816
65	2454	3403	4148
75	2218	3901	5103
85	2023	4959	4760

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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	2328.959	2328.959	2328.959	2328.959	2328.959
2.5	2384.955	2349.321	2331.504	2308.596	2290.779
5.0	2384.955	2349.321	2331.504	2311.141	2293.324
7.5	2374.774	2341.685	2326.413	2311.141	2293.324
10.0	2362.048	2331.504	2318.777	2308.596	2293.324
12.5	2341.685	2313.687	2308.596	2300.960	2288.234
15.0	2316.232	2288.234	2288.234	2290.779	2280.598
17.5	2280.598	2257.690	2267.871	2278.052	2270.417
20.0	2237.328	2222.056	2242.418	2260.235	2257.690
22.5	2188.967	2181.331	2211.874	2239.873	2242.418
25.0	2135.515	2135.515	2176.240	2216.965	2219.510
27.5	2071.882	2079.518	2132.970	2183.876	2196.603
30.0	2005.704	2020.976	2087.154	2153.332	2166.059
32.5	1929.345	1952.253	2036.248	2112.607	2130.424
35.0	1847.895	1880.984	1980.251	2069.337	2089.700
37.5	1766.445	1804.625	1914.073	2020.976	2046.429
40.0	1679.905	1725.720	1852.986	1967.525	1998.068
42.5	1590.819	1641.725	1781.717	1911.528	1942.072
45.0	1499.188	1552.639	1710.448	1847.895	1883.529
47.5	1399.921	1466.099	1634.089	1784.262	1822.442
50.0	1303.199	1377.013	1552.639	1715.539	1758.809
52.5	1209.022	1285.382	1473.735	1639.180	1684.995
55.0	1117.391	1196.296	1392.285	1562.820	1611.181
57.5	1025.760	1109.755	1310.835	1486.461	1532.277
60.0	939.219	1020.669	1226.839	1407.556	1453.372
62.5	850.134	934.129	1142.844	1323.561	1371.922
65.0	763.593	847.588	1058.849	1242.111	1290.472
67.5	669.417	755.957	979.944	1163.207	1209.022
70.0	585.421	677.052	895.949	1081.757	1127.572
72.5	503.971	598.148	817.045	1000.307	1048.668
75.0	422.521	521.789	743.231	923.948	972.308
77.5	346.162	450.520	666.871	850.134	888.313
80.0	272.348	381.797	595.603	717.777	722.868
82.5	201.079	310.528	486.154	526.879	503.971
85.0	129.811	236.714	318.164	313.073	305.437
87.5	63.633	129.811	142.537	152.719	152.719
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	869.77	N.A.	11.20
0-30	1872.79	N.A.	24.20
0-40	3108.29	N.A.	40.10
0-60	5654.86	N.A.	73.00
0-80	7449.34	N.A.	96.10
0-90	7748.06	N.A.	100.00
10-90	7525.8	N.A.	97.10
20-40	2238.51	N.A.	28.90
20-50	3550.91	N.A.	45.80
40-70	3580.92	N.A.	46.20
60-80	1794.48	N.A.	23.20
70-80	760.13	N.A.	9.80
80-90	298.72	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	7748.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.26
10-20	647.51
20-30	1003.02
30-40	1235.49
40-50	1312.4
50-60	1234.17
60-70	1034.34
70-80	760.13
80-90	298.72
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

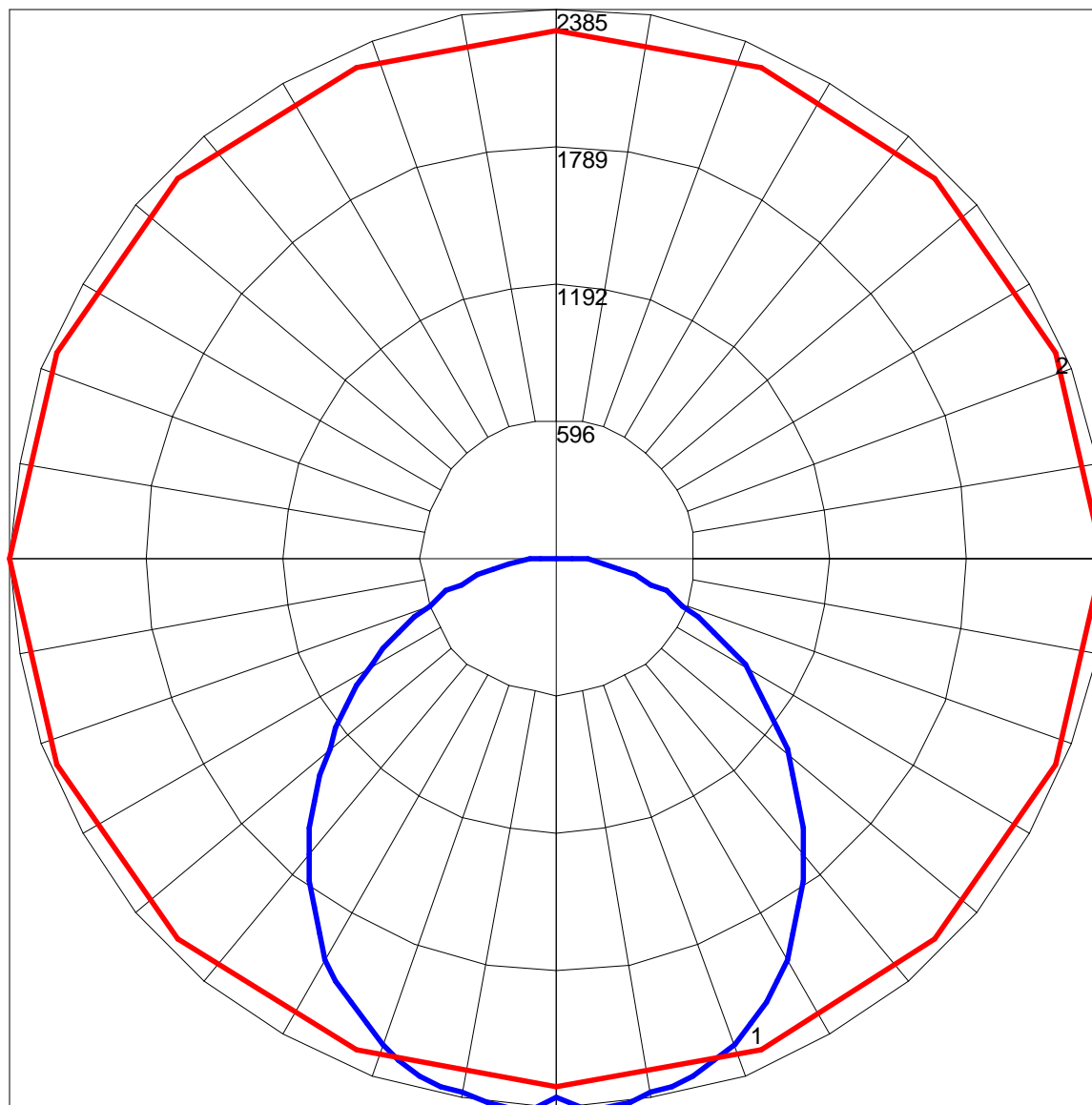
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2384.955 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.)