



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-60L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-60L-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5842
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	48.4
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	2172	2478	2728
55	1995	2486	2877
65	1851	2566	3127
75	1672	2941	3848
85	1525	3739	3589

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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	1756.041	1756.041	1756.041	1756.041	1756.041
2.5	1798.262	1771.394	1757.960	1740.687	1727.253
5.0	1798.262	1771.394	1757.960	1742.606	1729.172
7.5	1790.586	1765.636	1754.121	1742.606	1729.172
10.0	1780.990	1757.960	1748.364	1740.687	1729.172
12.5	1765.636	1744.526	1740.687	1734.930	1725.334
15.0	1746.445	1725.334	1725.334	1727.253	1719.576
17.5	1719.576	1702.304	1709.980	1717.657	1711.900
20.0	1686.950	1675.435	1690.789	1704.223	1702.304
22.5	1650.486	1644.729	1667.759	1688.870	1690.789
25.0	1610.184	1610.184	1640.890	1671.597	1673.516
27.5	1562.204	1567.962	1608.264	1646.648	1656.244
30.0	1512.306	1523.821	1573.719	1623.618	1633.214
32.5	1454.731	1472.003	1535.336	1592.911	1606.345
35.0	1393.317	1418.267	1493.114	1560.285	1575.639
37.5	1331.904	1360.692	1443.216	1523.821	1543.013
40.0	1266.652	1301.197	1397.156	1483.518	1506.548
42.5	1199.481	1237.865	1343.419	1441.297	1464.327
45.0	1130.391	1170.694	1289.682	1393.317	1420.186
47.5	1055.544	1105.442	1232.107	1345.338	1374.126
50.0	982.615	1038.271	1170.694	1293.521	1326.146
52.5	911.606	969.181	1111.199	1235.945	1270.491
55.0	842.516	902.010	1049.786	1178.370	1214.835
57.5	773.426	836.758	988.373	1120.795	1155.340
60.0	708.174	769.587	925.040	1061.301	1095.846
62.5	641.003	704.335	861.707	997.968	1034.433
65.0	575.751	639.084	798.375	936.555	973.019
67.5	504.742	569.993	738.880	877.061	911.606
70.0	441.409	510.499	675.548	815.647	850.192
72.5	379.996	451.005	616.054	754.234	790.698
75.0	318.582	393.430	560.398	696.659	733.123
77.5	261.007	339.693	502.823	641.003	669.790
80.0	205.351	287.876	449.086	541.206	545.044
82.5	151.614	234.139	366.561	397.268	379.996
85.0	97.878	178.483	239.896	236.058	230.300
87.5	47.979	97.878	107.474	115.150	115.150
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	655.81	N.A.	11.20
0-30	1412.09	N.A.	24.20
0-40	2343.66	N.A.	40.10
0-60	4263.78	N.A.	73.00
0-80	5616.82	N.A.	96.10
0-90	5842.06	N.A.	100.00
10-90	5674.47	N.A.	97.10
20-40	1687.85	N.A.	28.90
20-50	2677.4	N.A.	45.80
40-70	2700.02	N.A.	46.20
60-80	1353.04	N.A.	23.20
70-80	573.14	N.A.	9.80
80-90	225.24	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	5842.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.59
10-20	488.22
20-30	756.28
30-40	931.56
40-50	989.55
50-60	930.57
60-70	779.90
70-80	573.14
80-90	225.24
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

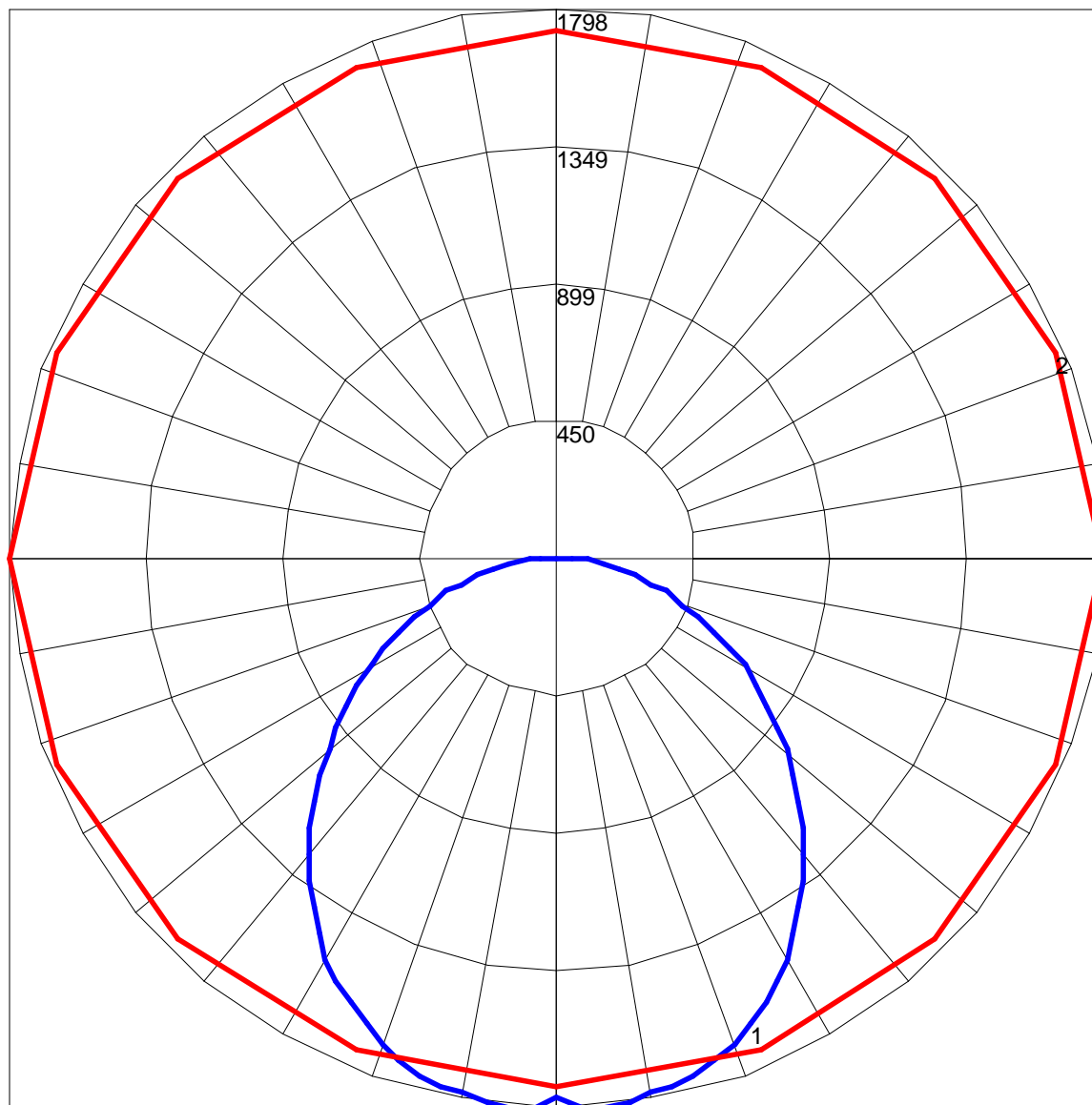
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1798.262 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.)