



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-40L-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-40L-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	4320
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	31.8
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	1606	1832	2017
55	1475	1838	2128
65	1368	1898	2313
75	1236	2175	2845
85	1128	2765	2654

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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	1298.568	1298.568	1298.568	1298.568	1298.568
2.5	1329.790	1309.922	1299.987	1287.214	1277.280
5.0	1329.790	1309.922	1299.987	1288.634	1278.699
7.5	1324.114	1305.664	1297.149	1288.634	1278.699
10.0	1317.018	1299.987	1292.891	1287.214	1278.699
12.5	1305.664	1290.053	1287.214	1282.957	1275.861
15.0	1291.472	1275.861	1275.861	1277.280	1271.603
17.5	1271.603	1258.830	1264.507	1270.184	1265.926
20.0	1247.477	1238.962	1250.315	1260.250	1258.830
22.5	1220.512	1216.254	1233.285	1248.896	1250.315
25.0	1190.709	1190.709	1213.416	1236.123	1237.542
27.5	1155.229	1159.486	1189.290	1217.674	1224.770
30.0	1118.330	1126.845	1163.744	1200.643	1207.739
32.5	1075.754	1088.526	1135.360	1177.936	1187.870
35.0	1030.339	1048.789	1104.138	1153.810	1165.163
37.5	984.925	1006.213	1067.238	1126.845	1141.037
40.0	936.672	962.218	1033.178	1097.042	1114.072
42.5	887.000	915.384	993.440	1065.819	1082.850
45.0	835.909	865.712	953.702	1030.339	1050.208
47.5	780.560	817.459	911.126	994.859	1016.147
50.0	726.630	767.787	865.712	956.541	980.667
52.5	674.120	716.696	821.717	913.965	939.510
55.0	623.029	667.024	776.302	871.389	898.354
57.5	571.938	618.771	730.888	828.813	854.358
60.0	523.685	569.099	684.054	784.818	810.363
62.5	474.013	520.846	637.221	737.984	764.949
65.0	425.760	472.594	590.387	692.570	719.534
67.5	373.250	421.502	546.392	648.574	674.120
70.0	326.416	377.507	499.558	603.160	628.706
72.5	281.002	333.512	455.563	557.746	584.710
75.0	235.587	290.936	414.406	515.170	542.134
77.5	193.011	251.198	371.830	474.013	495.301
80.0	151.854	212.880	332.093	400.214	403.053
82.5	112.117	173.142	271.067	293.774	281.002
85.0	72.379	131.986	177.400	174.562	170.304
87.5	35.480	72.379	79.475	85.152	85.152
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	484.96	N.A.	11.20
0-30	1044.22	N.A.	24.20
0-40	1733.1	N.A.	40.10
0-60	3153.01	N.A.	73.00
0-80	4153.56	N.A.	96.10
0-90	4320.12	N.A.	100.00
10-90	4196.19	N.A.	97.10
20-40	1248.14	N.A.	28.90
20-50	1979.9	N.A.	45.80
40-70	1996.63	N.A.	46.20
60-80	1000.55	N.A.	23.20
70-80	423.83	N.A.	9.80
80-90	166.56	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	4320.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.93
10-20	361.04
20-30	559.26
30-40	688.88
40-50	731.76
50-60	688.14
60-70	576.72
70-80	423.83
80-90	166.56
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

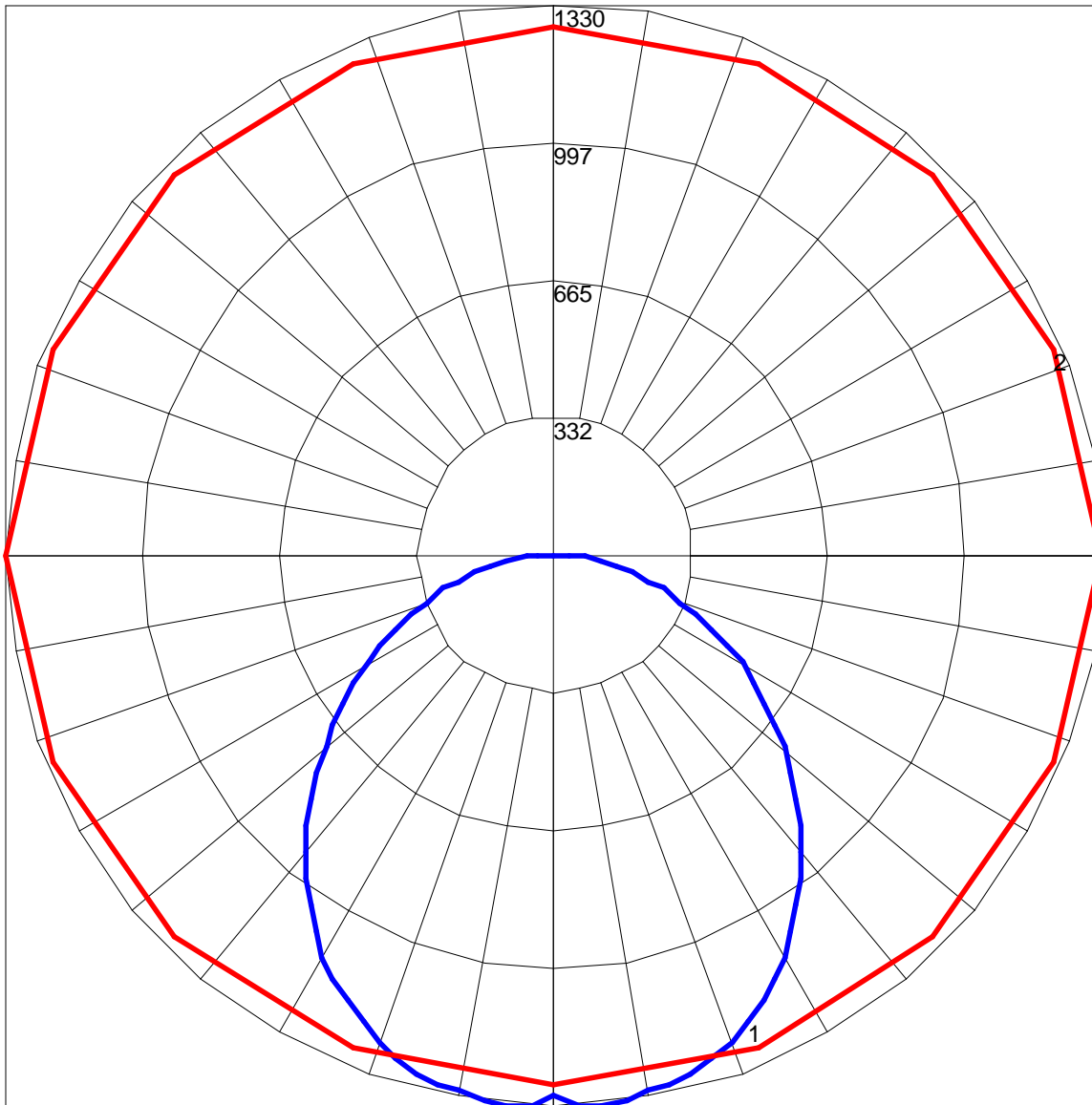
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1329.79 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.)