



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-48L-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-48L-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	4686
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	38.4
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	1742	1987	2188
55	1600	1994	2308
65	1484	2058	2509
75	1341	2359	3086
85	1224	2999	2879

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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	1408.560	1408.560	1408.560	1408.560	1408.560
2.5	1442.427	1420.875	1410.100	1396.245	1385.469
5.0	1442.427	1420.875	1410.100	1397.784	1387.008
7.5	1436.270	1416.257	1407.021	1397.784	1387.008
10.0	1428.572	1410.100	1402.403	1396.245	1387.008
12.5	1416.257	1399.324	1396.245	1391.627	1383.930
15.0	1400.863	1383.930	1383.930	1385.469	1379.311
17.5	1379.311	1365.457	1371.614	1377.772	1373.154
20.0	1353.141	1343.905	1356.220	1366.996	1365.457
22.5	1323.893	1319.274	1337.747	1354.681	1356.220
25.0	1291.565	1291.565	1316.196	1340.826	1342.366
27.5	1253.080	1257.698	1290.026	1320.814	1328.511
30.0	1213.055	1222.292	1262.316	1302.341	1310.038
32.5	1166.873	1180.727	1231.528	1277.710	1288.486
35.0	1117.612	1137.624	1197.661	1251.540	1263.856
37.5	1068.351	1091.442	1157.636	1222.292	1237.686
40.0	1016.011	1043.720	1120.690	1189.964	1208.437
42.5	962.131	992.919	1077.587	1156.097	1174.570
45.0	906.712	939.040	1034.484	1117.612	1139.163
47.5	846.675	886.700	988.301	1079.126	1102.218
50.0	788.178	832.821	939.040	1037.562	1063.732
52.5	731.220	777.402	891.318	991.380	1019.089
55.0	675.801	723.523	842.057	945.198	974.447
57.5	620.382	671.183	792.796	899.015	926.725
60.0	568.042	617.303	741.996	851.294	879.003
62.5	514.163	564.963	691.195	800.493	829.742
65.0	461.823	512.624	640.395	751.232	780.481
67.5	404.865	457.205	592.673	703.510	731.220
70.0	354.064	409.483	541.872	654.249	681.959
72.5	304.803	361.761	494.151	604.988	634.237
75.0	255.542	315.579	449.508	558.806	588.055
77.5	209.360	272.476	403.325	514.163	537.254
80.0	164.717	230.911	360.222	434.114	437.192
82.5	121.613	187.808	294.027	318.658	304.803
85.0	78.510	143.165	192.426	189.347	184.729
87.5	38.485	78.510	86.207	92.365	92.365
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	526.04	N.A.	11.20
0-30	1132.67	N.A.	24.20
0-40	1879.9	N.A.	40.10
0-60	3420.07	N.A.	73.00
0-80	4505.38	N.A.	96.10
0-90	4686.05	N.A.	100.00
10-90	4551.62	N.A.	97.10
20-40	1353.86	N.A.	28.90
20-50	2147.6	N.A.	45.80
40-70	2165.75	N.A.	46.20
60-80	1085.3	N.A.	23.20
70-80	459.73	N.A.	9.80
80-90	180.67	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	4686.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	134.42
10-20	391.62
20-30	606.63
30-40	747.23
40-50	793.74
50-60	746.43
60-70	625.57
70-80	459.73
80-90	180.67
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

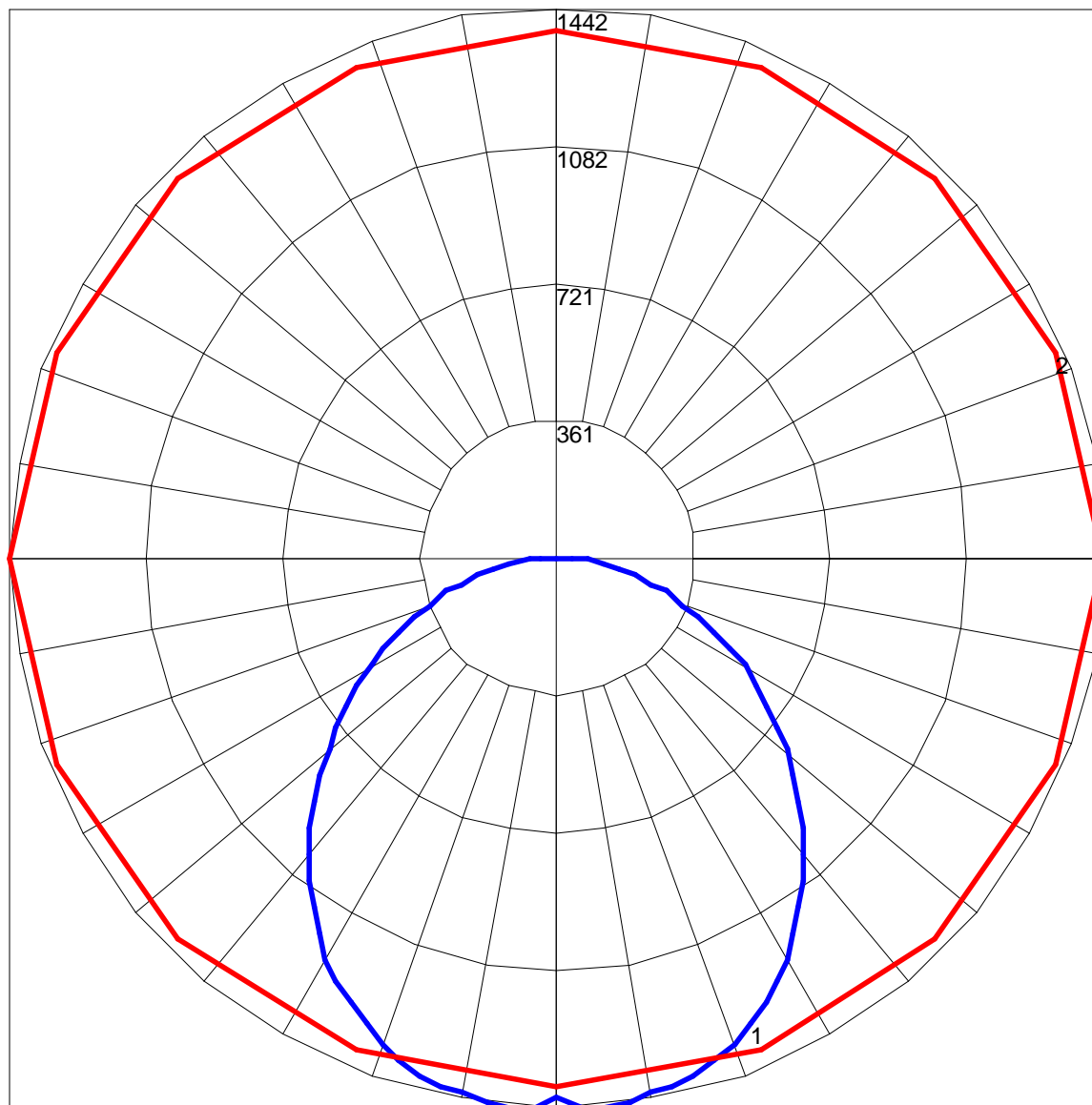
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1442.427 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.)