



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-48L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8789
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/19/17
[TEST DATE]04/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-48L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	1798	2059	2267
55	1651	2060	2387
65	1527	2131	2581
75	1386	2430	3175
85	1294	3273	3195

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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	1459	1459	1459	1459	1459
2.5	1495	1472	1460	1448	1436
5.0	1494	1472	1461	1449	1437
7.5	1489	1468	1458	1448	1438
10.0	1480	1461	1453	1447	1437
12.5	1467	1450	1446	1443	1436
15.0	1450	1435	1436	1437	1432
17.5	1429	1416	1422	1430	1426
20.0	1404	1395	1407	1420	1418
22.5	1373	1367	1387	1407	1408
25.0	1338	1339	1366	1392	1395
27.5	1299	1305	1339	1374	1380
30.0	1254	1266	1310	1352	1361
32.5	1208	1224	1277	1327	1340
35.0	1158	1179	1241	1299	1313
37.5	1106	1132	1203	1268	1285
40.0	1050	1082	1161	1234	1252
42.5	993	1030	1117	1197	1217
45.0	936	976	1072	1157	1180
47.5	878	921	1023	1116	1141
50.0	819	862	974	1072	1099
52.5	756	805	923	1026	1055
55.0	697	749	870	979	1008
57.5	641	694	819	928	959
60.0	584	639	767	877	908
62.5	529	584	716	825	854
65.0	475	531	663	775	803
67.5	422	477	613	722	751
70.0	367	424	561	672	700
72.5	313	374	512	627	652
75.0	264	327	463	576	605
77.5	215	281	418	529	559
80.0	169	239	373	455	462
82.5	126	198	311	349	340
85.0	83	154	210	209	205
87.5	41	85	98	108	113
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	545.41	N.A.	11.20
0-30	1174.93	N.A.	24.20
0-40	1949.95	N.A.	40.10
0-60	3544.14	N.A.	72.90
0-80	4665.19	N.A.	96.00
0-90	4860.25	N.A.	100.00
10-90	4720.96	N.A.	97.10
20-40	1404.53	N.A.	28.90
20-50	2226.78	N.A.	45.80
40-70	2240.11	N.A.	46.10
60-80	1121.04	N.A.	23.10
70-80	475.13	N.A.	9.80
80-90	195.07	N.A.	4.00
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	4860.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.29
10-20	406.12
20-30	629.52
30-40	775.02
40-50	822.24
50-60	771.95
60-70	645.91
70-80	475.13
80-90	195.07
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

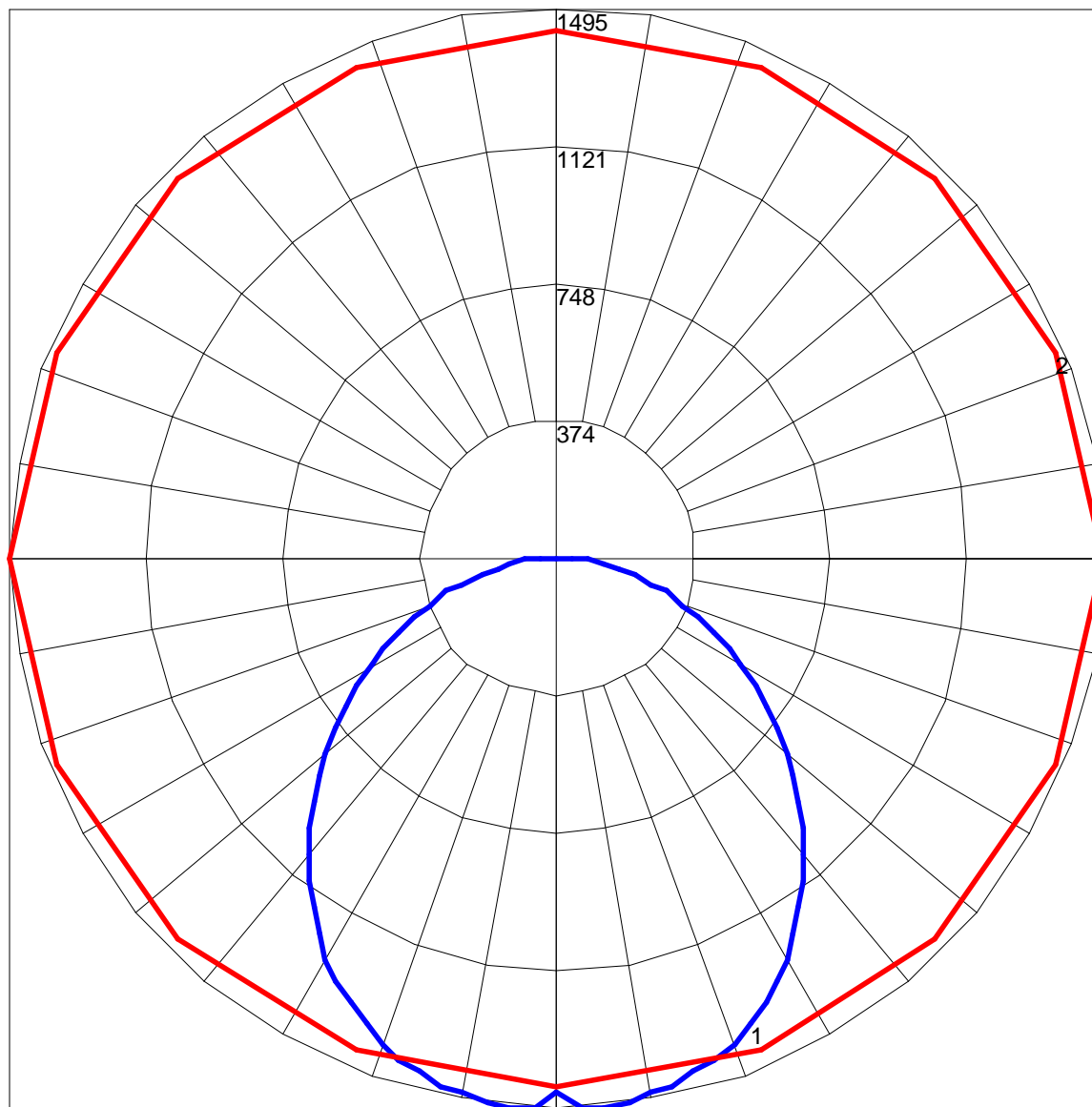
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	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	39
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 = 1495 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.)