



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-48L-35.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-48L-35
[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	4852
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	1804	2058	2266
55	1657	2065	2390
65	1537	2131	2598
75	1389	2443	3196
85	1267	3105	2981

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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	1458.482	1458.482	1458.482	1458.482	1458.482
2.5	1493.550	1471.234	1460.076	1445.731	1434.573
5.0	1493.550	1471.234	1460.076	1447.325	1436.167
7.5	1487.174	1466.452	1456.889	1447.325	1436.167
10.0	1479.204	1460.076	1452.107	1445.731	1436.167
12.5	1466.452	1448.919	1445.731	1440.949	1432.979
15.0	1450.513	1432.979	1432.979	1434.573	1428.197
17.5	1428.197	1413.851	1420.227	1426.603	1421.821
20.0	1401.100	1391.536	1404.288	1415.445	1413.851
22.5	1370.814	1366.032	1385.160	1402.694	1404.288
25.0	1337.341	1337.341	1362.844	1388.348	1389.942
27.5	1297.492	1302.273	1335.747	1367.626	1375.596
30.0	1256.048	1265.612	1307.055	1348.499	1356.468
32.5	1208.229	1222.575	1275.176	1322.995	1334.153
35.0	1157.222	1177.944	1240.109	1295.898	1308.649
37.5	1106.215	1130.125	1198.665	1265.612	1281.552
40.0	1052.020	1080.712	1160.410	1232.139	1251.266
42.5	996.231	1028.111	1115.779	1197.071	1216.199
45.0	938.848	972.322	1071.148	1157.222	1179.538
47.5	876.683	918.127	1023.329	1117.373	1141.282
50.0	816.113	862.338	972.322	1074.336	1101.433
52.5	757.136	804.955	922.909	1026.517	1055.208
55.0	699.753	749.166	871.902	978.698	1008.983
57.5	642.370	694.971	820.895	930.878	959.570
60.0	588.175	639.182	768.294	881.465	910.157
62.5	532.386	584.987	715.693	828.864	859.150
65.0	478.191	530.792	663.091	777.857	808.143
67.5	419.214	473.409	613.678	728.444	757.136
70.0	366.613	423.996	561.077	677.437	706.129
72.5	315.606	374.583	511.664	626.430	656.716
75.0	264.599	326.764	465.439	578.611	608.897
77.5	216.780	282.133	417.620	532.386	556.296
80.0	170.555	239.095	372.989	449.500	452.687
82.5	125.924	194.464	304.448	329.952	315.606
85.0	81.292	148.239	199.246	196.058	191.276
87.5	39.849	81.292	89.262	95.638	95.638
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	544.68	N.A.	11.20
0-30	1172.81	N.A.	24.20
0-40	1946.53	N.A.	40.10
0-60	3541.29	N.A.	73.00
0-80	4665.06	N.A.	96.10
0-90	4852.13	N.A.	100.00
10-90	4712.94	N.A.	97.10
20-40	1401.84	N.A.	28.90
20-50	2223.72	N.A.	45.80
40-70	2242.51	N.A.	46.20
60-80	1123.77	N.A.	23.20
70-80	476.02	N.A.	9.80
80-90	187.07	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	4852.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.19
10-20	405.50
20-30	628.13
30-40	773.71
40-50	821.87
50-60	772.89
60-70	647.75
70-80	476.02
80-90	187.07
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

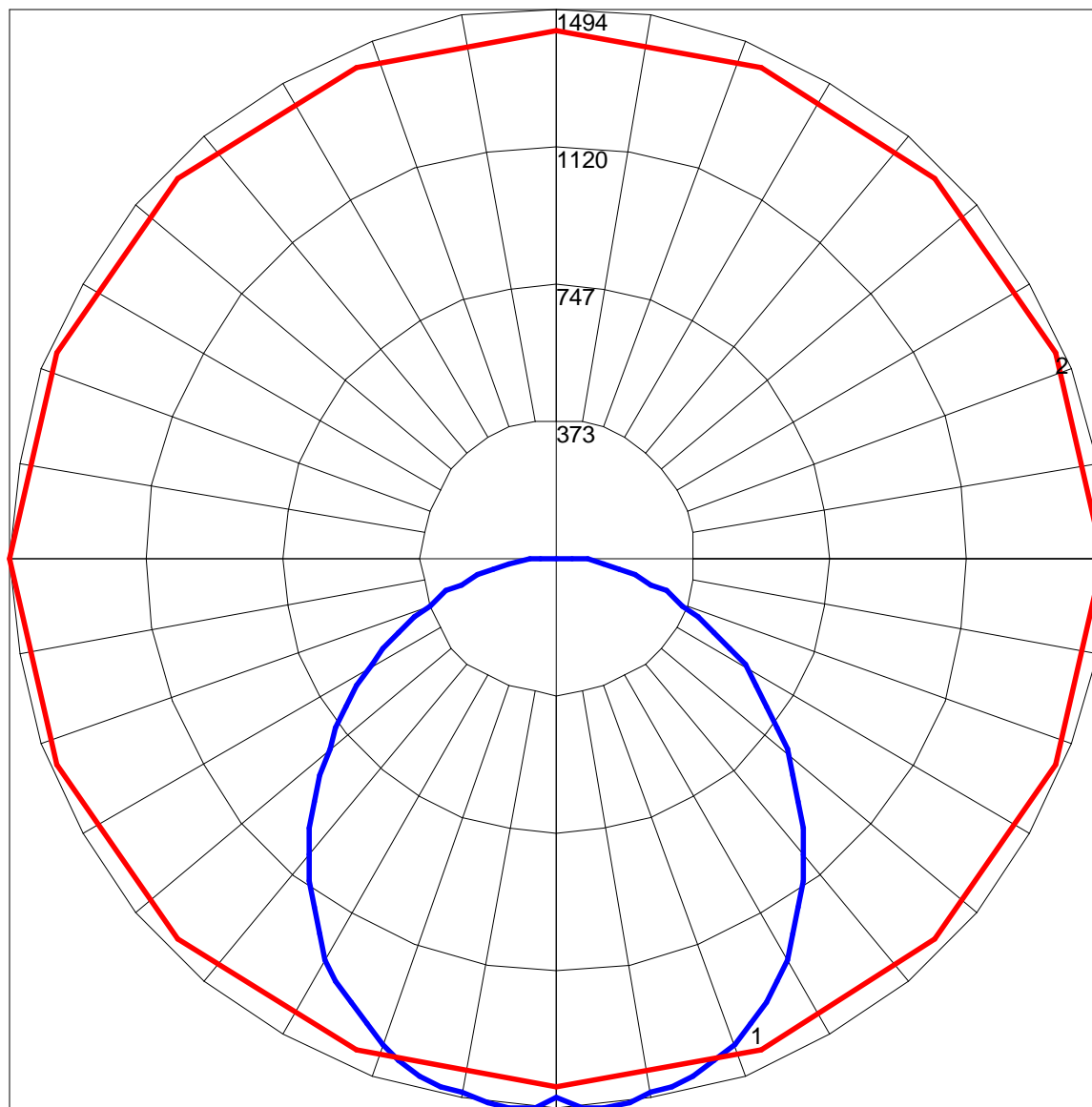
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1493.55 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.)