



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-55L-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-55L-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 SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5561
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	44.2
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	2067	2358	2597
55	1899	2367	2739
65	1762	2443	2977
75	1592	2800	3663
85	1452	3559	3417

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-55L-35.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1671.604	1671.604	1671.604	1671.604	1671.604
2.5	1711.796	1686.219	1673.431	1656.989	1644.201
5.0	1711.796	1686.219	1673.431	1658.816	1646.028
7.5	1704.488	1680.739	1669.777	1658.816	1646.028
10.0	1695.354	1673.431	1664.297	1656.989	1646.028
12.5	1680.739	1660.643	1656.989	1651.509	1642.374
15.0	1662.470	1642.374	1642.374	1644.201	1636.893
17.5	1636.893	1620.451	1627.759	1635.067	1629.586
20.0	1605.836	1594.875	1609.490	1622.278	1620.451
22.5	1571.125	1565.645	1587.567	1607.663	1609.490
25.0	1532.761	1532.761	1561.991	1591.221	1593.048
27.5	1487.088	1492.569	1530.934	1567.472	1576.606
30.0	1439.589	1450.551	1498.050	1545.549	1554.683
32.5	1384.783	1401.225	1461.512	1516.319	1529.107
35.0	1326.322	1350.072	1421.320	1485.262	1499.877
37.5	1267.862	1295.265	1373.821	1450.551	1468.820
40.0	1205.747	1238.631	1329.976	1412.186	1434.109
42.5	1141.806	1178.344	1278.823	1371.994	1393.917
45.0	1076.038	1114.403	1227.670	1326.322	1351.899
47.5	1004.789	1052.289	1172.863	1280.650	1308.053
50.0	935.368	988.347	1114.403	1231.324	1262.381
52.5	867.773	922.579	1057.769	1176.517	1209.401
55.0	802.005	858.638	999.309	1121.710	1156.421
57.5	736.237	796.524	940.848	1066.904	1099.788
60.0	674.122	732.583	880.561	1010.270	1043.154
62.5	610.181	670.469	820.274	949.983	984.694
65.0	548.067	608.354	759.986	891.522	926.233
67.5	480.472	542.586	703.353	834.889	867.773
70.0	420.185	485.953	643.065	776.428	809.312
72.5	361.724	429.319	586.432	717.968	752.679
75.0	303.264	374.512	533.452	663.161	697.872
77.5	248.457	323.360	478.645	610.181	637.585
80.0	195.477	274.033	427.492	515.183	518.837
82.5	144.324	222.881	348.936	378.166	361.724
85.0	93.171	169.901	228.361	224.707	219.227
87.5	45.672	93.171	102.306	109.613	109.613
90.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-55L-35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	624.28	N.A.	11.20
0-30	1344.19	N.A.	24.20
0-40	2230.97	N.A.	40.10
0-60	4058.76	N.A.	73.00
0-80	5346.74	N.A.	96.10
0-90	5561.15	N.A.	100.00
10-90	5401.62	N.A.	97.10
20-40	1606.69	N.A.	28.90
20-50	2548.66	N.A.	45.80
40-70	2570.19	N.A.	46.20
60-80	1287.98	N.A.	23.20
70-80	545.58	N.A.	9.80
80-90	214.41	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	5561.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.53
10-20	464.75
20-30	719.92
30-40	886.77
40-50	941.97
50-60	885.83
60-70	742.40
70-80	545.58
80-90	214.41
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

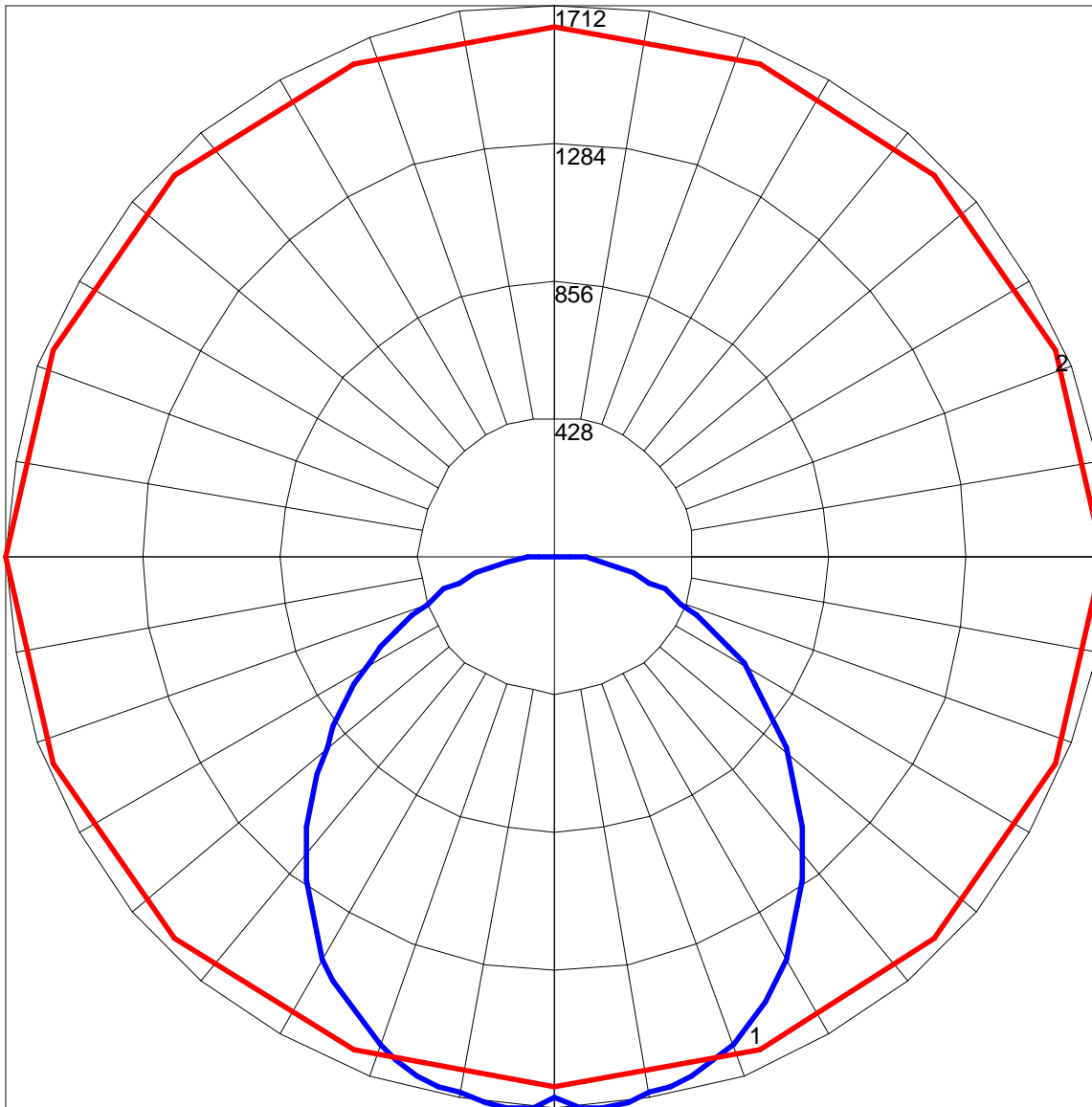
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-55L-35.IES**

**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 = 1711.796 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.)