



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-55L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8905  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/16/17  
[TEST DATE]05/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-55L-40  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5547
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
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	1971	2372	2701
55	1859	2456	2979
65	1710	2555	3368
75	1527	2771	4015
85	1340	3289	4598

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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>
<b>0.0</b>	1547	1547	1547	1547	1547
<b>2.5</b>	1579	1560	1548	1536	1526
<b>5.0</b>	1579	1561	1549	1538	1529
<b>7.5</b>	1574	1557	1548	1539	1531
<b>10.0</b>	1565	1550	1546	1541	1534
<b>12.5</b>	1553	1540	1541	1541	1537
<b>15.0</b>	1535	1526	1534	1542	1539
<b>17.5</b>	1514	1509	1525	1540	1541
<b>20.0</b>	1489	1489	1514	1537	1541
<b>22.5</b>	1459	1465	1500	1532	1540
<b>25.0</b>	1425	1438	1483	1525	1536
<b>27.5</b>	1387	1406	1464	1516	1530
<b>30.0</b>	1346	1371	1441	1505	1522
<b>32.5</b>	1299	1330	1415	1489	1510
<b>35.0</b>	1251	1289	1385	1472	1495
<b>37.5</b>	1197	1243	1353	1451	1479
<b>40.0</b>	1144	1192	1317	1427	1459
<b>42.5</b>	1084	1142	1278	1399	1434
<b>45.0</b>	1026	1087	1235	1368	1406
<b>47.5</b>	967	1032	1190	1333	1375
<b>50.0</b>	907	975	1143	1294	1339
<b>52.5</b>	847	916	1092	1252	1301
<b>55.0</b>	785	856	1037	1206	1258
<b>57.5</b>	724	793	981	1157	1213
<b>60.0</b>	659	729	920	1104	1162
<b>62.5</b>	594	664	858	1047	1107
<b>65.0</b>	532	599	795	986	1048
<b>67.5</b>	470	535	729	922	986
<b>70.0</b>	409	471	663	858	919
<b>72.5</b>	349	408	597	788	846
<b>75.0</b>	291	345	528	711	765
<b>77.5</b>	233	285	458	626	678
<b>80.0</b>	181	227	378	535	580
<b>82.5</b>	131	173	299	425	457
<b>85.0</b>	86	118	211	283	295
<b>87.5</b>	45	65	104	112	102
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	581.93	N.A.	10.50
0-30	1265.67	N.A.	22.80
0-40	2129.32	N.A.	38.40
0-60	3996.69	N.A.	72.00
0-80	5336.03	N.A.	96.20
0-90	5547.47	N.A.	100.00
10-90	5399.62	N.A.	97.30
20-40	1547.39	N.A.	27.90
20-50	2494.05	N.A.	45.00
40-70	2651.39	N.A.	47.80
60-80	1339.33	N.A.	24.10
70-80	555.32	N.A.	10.00
80-90	211.44	N.A.	3.80
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	5547.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	147.85
10-20	434.09
20-30	683.74
30-40	863.65
40-50	946.66
50-60	920.71
60-70	784.02
70-80	555.32
80-90	211.44
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

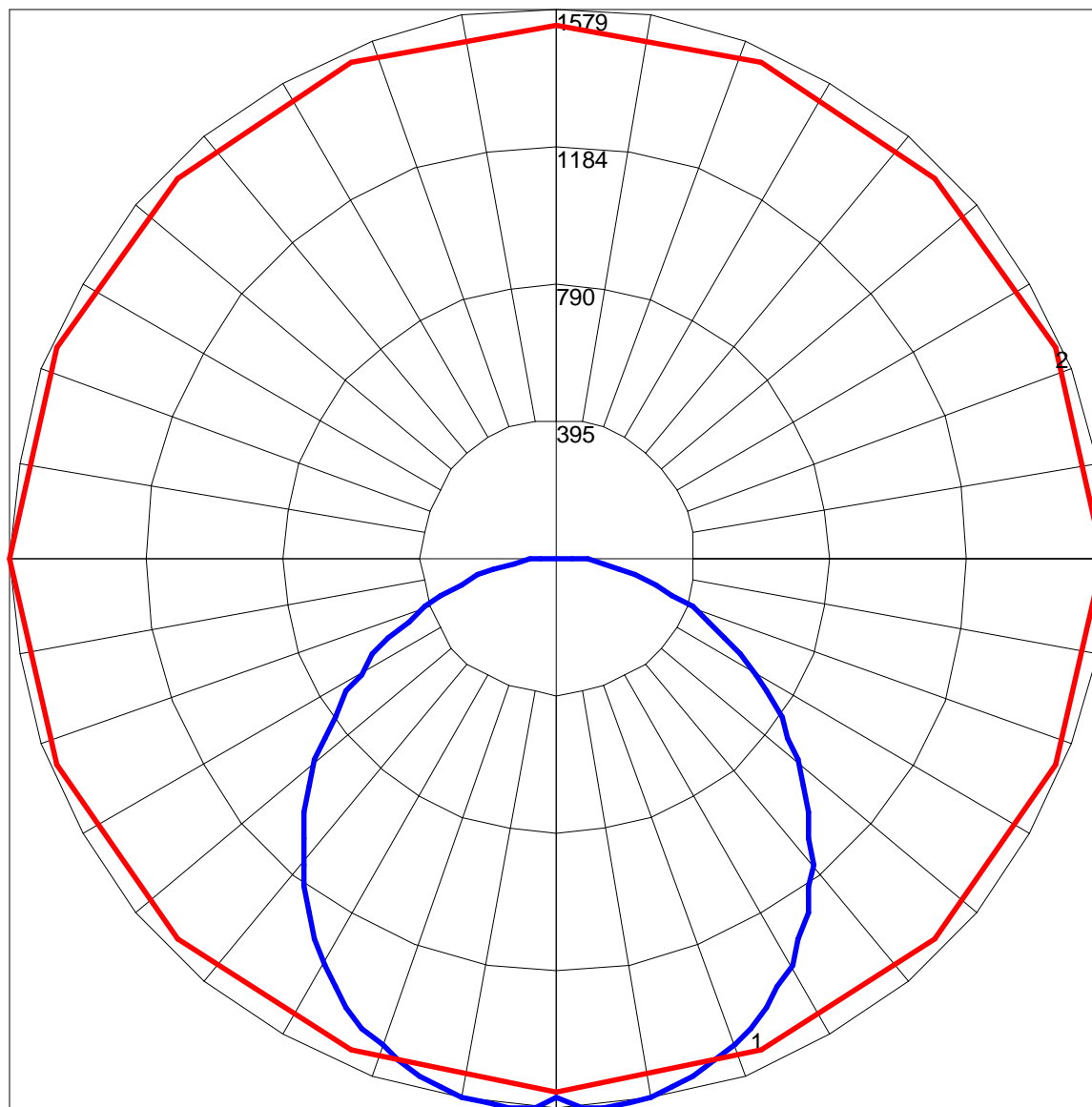
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	97	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1579 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.)