



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-55L-30.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUEDATE] 08/18/17  
[TESTDATE] 05/25/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-LED-55L-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\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	42.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3969	4683	5249
55	3731	4770	5627
65	3470	4831	6010
75	3144	4825	5828
85	2737	4347	4025

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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>	1563.180	1563.180	1563.180	1563.180	1563.180
<b>2.5</b>	1594.496	1576.229	1565.790	1552.742	1544.913
<b>5.0</b>	1594.496	1576.229	1565.790	1555.351	1550.132
<b>7.5</b>	1589.277	1573.619	1565.790	1557.961	1550.132
<b>10.0</b>	1581.448	1565.790	1563.180	1557.961	1550.132
<b>12.5</b>	1565.790	1552.742	1552.742	1555.351	1550.132
<b>15.0</b>	1550.132	1539.693	1547.522	1552.742	1555.351
<b>17.5</b>	1529.255	1524.036	1537.084	1552.742	1552.742
<b>20.0</b>	1503.158	1503.158	1524.036	1550.132	1552.742
<b>22.5</b>	1474.452	1477.062	1508.378	1542.303	1544.913
<b>25.0</b>	1445.746	1450.965	1495.329	1534.474	1542.303
<b>27.5</b>	1403.992	1422.259	1471.843	1521.426	1537.084
<b>30.0</b>	1359.628	1385.724	1448.356	1508.378	1524.036
<b>32.5</b>	1315.264	1343.970	1422.259	1490.110	1513.597
<b>35.0</b>	1268.290	1302.215	1388.334	1469.233	1490.110
<b>37.5</b>	1213.487	1252.632	1354.408	1443.136	1469.233
<b>40.0</b>	1153.465	1203.049	1315.264	1414.430	1443.136
<b>42.5</b>	1101.272	1148.246	1276.119	1383.114	1417.040
<b>45.0</b>	1043.860	1096.053	1231.755	1346.579	1380.505
<b>47.5</b>	981.228	1041.250	1182.171	1310.044	1343.970
<b>50.0</b>	921.206	983.838	1129.978	1263.071	1304.825
<b>52.5</b>	858.575	923.816	1075.176	1210.878	1252.632
<b>55.0</b>	795.943	861.184	1017.763	1156.075	1200.439
<b>57.5</b>	735.921	798.553	957.742	1101.272	1145.636
<b>60.0</b>	675.899	733.312	895.110	1038.641	1083.005
<b>62.5</b>	610.658	668.070	829.869	973.399	1017.763
<b>65.0</b>	545.417	600.219	759.408	902.939	944.693
<b>67.5</b>	482.785	534.978	686.338	824.649	861.184
<b>70.0</b>	420.154	467.127	613.268	741.141	767.237
<b>72.5</b>	362.741	404.496	542.807	652.412	670.680
<b>75.0</b>	302.719	341.864	464.518	555.855	561.075
<b>77.5</b>	245.307	281.842	386.228	446.250	446.250
<b>80.0</b>	187.895	221.820	305.329	341.864	336.645
<b>82.5</b>	140.921	161.798	224.430	237.478	227.040
<b>85.0</b>	88.728	106.996	140.921	135.702	130.482
<b>87.5</b>	44.364	54.803	60.022	49.583	46.974
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	587.38	N.A.	11.00
0-30	1276.08	N.A.	23.90
0-40	2142.43	N.A.	40.10
0-60	3986.41	N.A.	74.60
0-80	5199.69	N.A.	97.40
0-90	5340.92	N.A.	100.00
10-90	5191.44	N.A.	97.20
20-40	1555.05	N.A.	29.10
20-50	2497.42	N.A.	46.80
40-70	2586.16	N.A.	48.40
60-80	1213.28	N.A.	22.70
70-80	471.10	N.A.	8.80
80-90	141.23	N.A.	2.60
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	5340.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	149.48
10-20	437.90
20-30	688.70
30-40	866.35
40-50	942.37
50-60	901.61
60-70	742.18
70-80	471.10
80-90	141.23
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

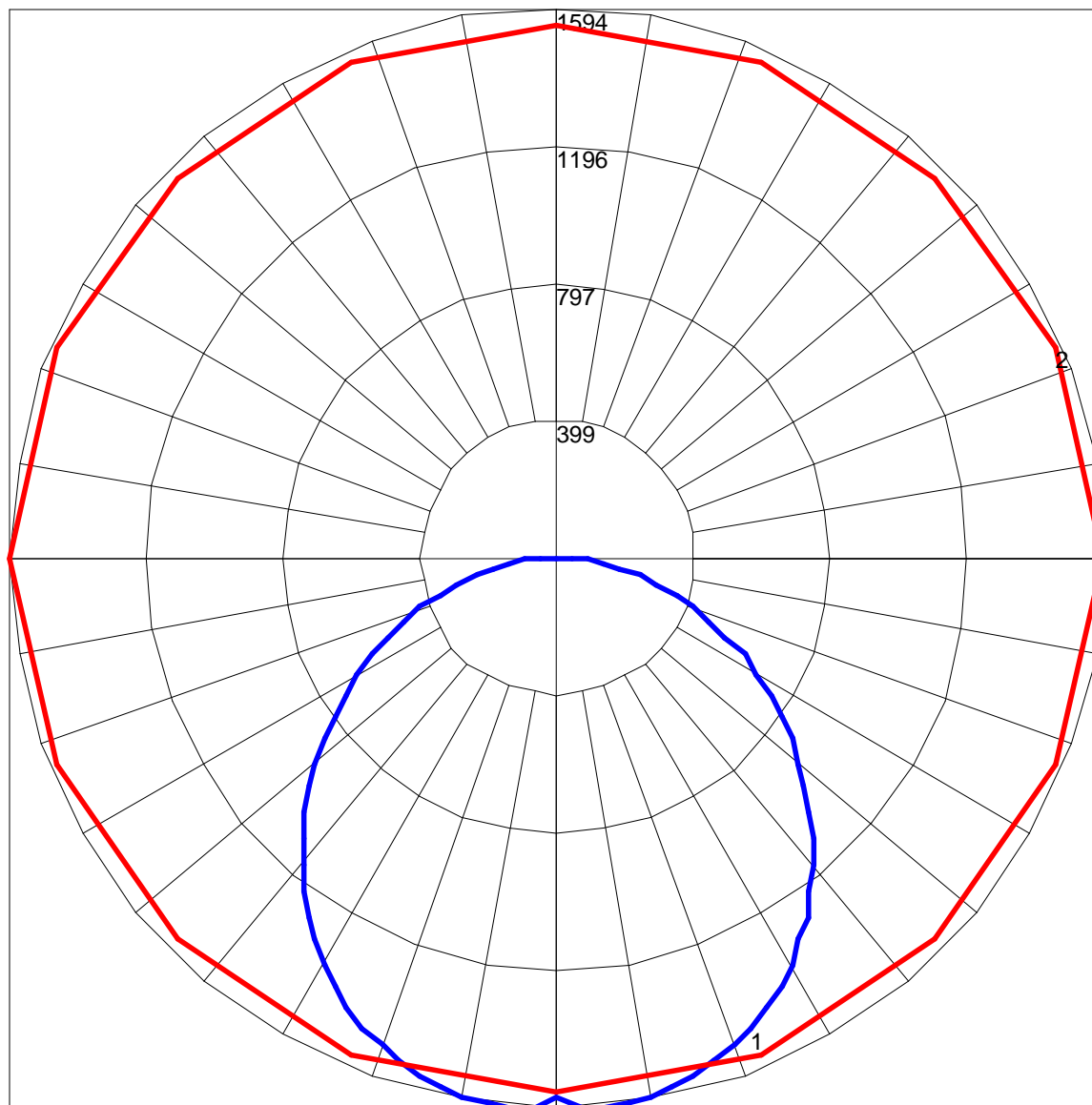
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	50	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	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 = 1594.496 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.)