



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-55L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUEDATE] 07/10/17  
[TESTDATE] 05/25/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-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\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5292
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	3932	4640	5201
55	3697	4727	5575
65	3438	4787	5954
75	3116	4781	5775
85	2712	4307	3988

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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	1548.846	1548.846	1548.846	1548.846	1548.846
2.5	1579.875	1561.775	1551.432	1538.503	1530.746
5.0	1579.875	1561.775	1551.432	1541.089	1535.918
7.5	1574.704	1559.189	1551.432	1543.675	1535.918
10.0	1566.946	1551.432	1548.846	1543.675	1535.918
12.5	1551.432	1538.503	1538.503	1541.089	1535.918
15.0	1535.918	1525.575	1533.332	1538.503	1541.089
17.5	1515.232	1510.061	1522.989	1538.503	1538.503
20.0	1489.375	1489.375	1510.061	1535.918	1538.503
22.5	1460.932	1463.518	1494.546	1528.161	1530.746
25.0	1432.489	1437.660	1481.618	1520.403	1528.161
27.5	1391.117	1409.217	1458.346	1507.475	1522.989
30.0	1347.160	1373.017	1435.075	1494.546	1510.061
32.5	1303.203	1331.646	1409.217	1476.446	1499.718
35.0	1256.660	1290.274	1375.603	1455.760	1476.446
37.5	1202.360	1241.146	1341.989	1429.903	1455.760
40.0	1142.888	1192.017	1303.203	1401.460	1429.903
42.5	1091.174	1137.717	1264.417	1370.432	1404.046
45.0	1034.288	1086.002	1220.460	1334.232	1367.846
47.5	972.231	1031.702	1171.331	1298.031	1331.646
50.0	912.759	974.816	1119.617	1251.489	1292.860
52.5	850.702	915.345	1065.317	1199.774	1241.146
55.0	788.645	853.288	1008.431	1145.474	1189.431
57.5	729.173	791.230	948.959	1091.174	1135.131
60.0	669.701	726.587	886.902	1029.117	1073.074
62.5	605.058	661.944	822.259	964.474	1008.431
65.0	540.415	594.716	752.445	894.659	936.031
67.5	478.358	530.073	680.044	817.088	853.288
70.0	416.301	462.844	607.644	734.344	760.202
72.5	359.415	400.787	537.830	646.430	664.530
75.0	299.944	338.729	460.258	550.758	555.930
77.5	243.058	279.258	382.687	442.158	442.158
80.0	186.172	219.786	302.529	338.729	333.558
82.5	139.629	160.315	222.372	235.301	224.958
85.0	87.914	106.015	139.629	134.457	129.286
87.5	43.957	54.300	59.472	49.129	46.543
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	581.99	N.A.	11.00
0-30	1264.38	N.A.	23.90
0-40	2122.78	N.A.	40.10
0-60	3949.86	N.A.	74.60
0-80	5152.01	N.A.	97.40
0-90	5291.94	N.A.	100.00
10-90	5143.83	N.A.	97.20
20-40	1540.79	N.A.	29.10
20-50	2474.52	N.A.	46.80
40-70	2562.45	N.A.	48.40
60-80	1202.15	N.A.	22.70
70-80	466.78	N.A.	8.80
80-90	139.93	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	5291.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	148.11
10-20	433.89
20-30	682.38
30-40	858.41
40-50	933.73
50-60	893.34
60-70	735.37
70-80	466.78
80-90	139.93
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

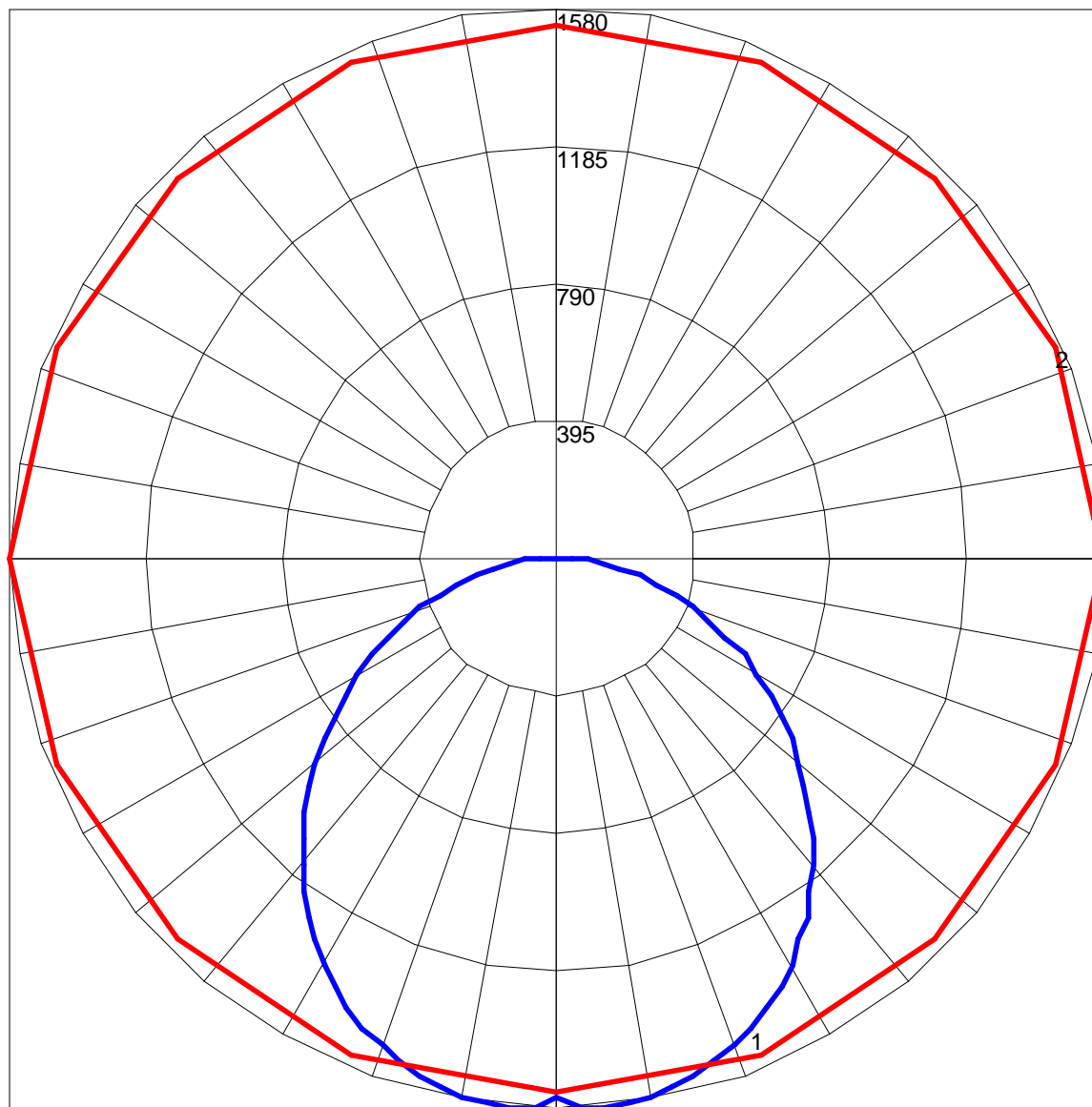
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	38	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 = 1579.875 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.)