



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-55L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8947
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/25/17
[TEST DATE] 05/25/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMEN CATEGORY] LPEC14-LED-55L-40
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	42.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
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	4076	4806	5403
55	3834	4907	5831
65	3581	4987	6221
75	3189	5028	6336
85	2900	4720	4257

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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	1603	1603	1603	1603	1603
2.5	1635	1616	1604	1593	1583
5.0	1635	1615	1604	1594	1586
7.5	1629	1613	1603	1595	1587
10.0	1620	1606	1600	1596	1589
12.5	1608	1596	1595	1596	1592
15.0	1591	1581	1587	1595	1593
17.5	1569	1563	1576	1592	1593
20.0	1542	1542	1564	1587	1593
22.5	1513	1517	1549	1581	1589
25.0	1479	1489	1533	1573	1585
27.5	1438	1455	1511	1563	1576
30.0	1394	1418	1486	1548	1564
32.5	1348	1378	1458	1530	1550
35.0	1297	1333	1427	1508	1531
37.5	1244	1287	1391	1483	1510
40.0	1190	1237	1352	1454	1484
42.5	1132	1185	1310	1422	1454
45.0	1072	1129	1264	1385	1421
47.5	1011	1071	1214	1343	1382
50.0	946	1012	1162	1300	1342
52.5	882	946	1107	1251	1295
55.0	818	884	1047	1197	1244
57.5	754	819	986	1137	1184
60.0	691	753	921	1076	1122
62.5	627	688	855	1008	1051
65.0	563	621	784	934	978
67.5	495	552	713	858	898
70.0	432	482	639	776	810
72.5	368	414	562	686	715
75.0	307	350	484	590	610
77.5	248	288	405	488	491
80.0	193	227	325	377	371
82.5	143	170	242	261	248
85.0	94	114	153	150	138
87.5	48	59	67	58	52
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	602.40	N.A.	10.90
0-30	1308.8	N.A.	23.80
0-40	2198.00	N.A.	39.90
0-60	4095.57	N.A.	74.30
0-80	5358.14	N.A.	97.20
0-90	5510.55	N.A.	100.00
10-90	5357.4	N.A.	97.20
20-40	1595.6	N.A.	29.00
20-50	2564.44	N.A.	46.50
40-70	2665.44	N.A.	48.40
60-80	1262.57	N.A.	22.90
70-80	494.70	N.A.	9.00
80-90	152.41	N.A.	2.80
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	5510.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.15
10-20	449.25
20-30	706.40
30-40	889.20
40-50	968.84
50-60	928.73
60-70	767.87
70-80	494.70
80-90	152.41
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

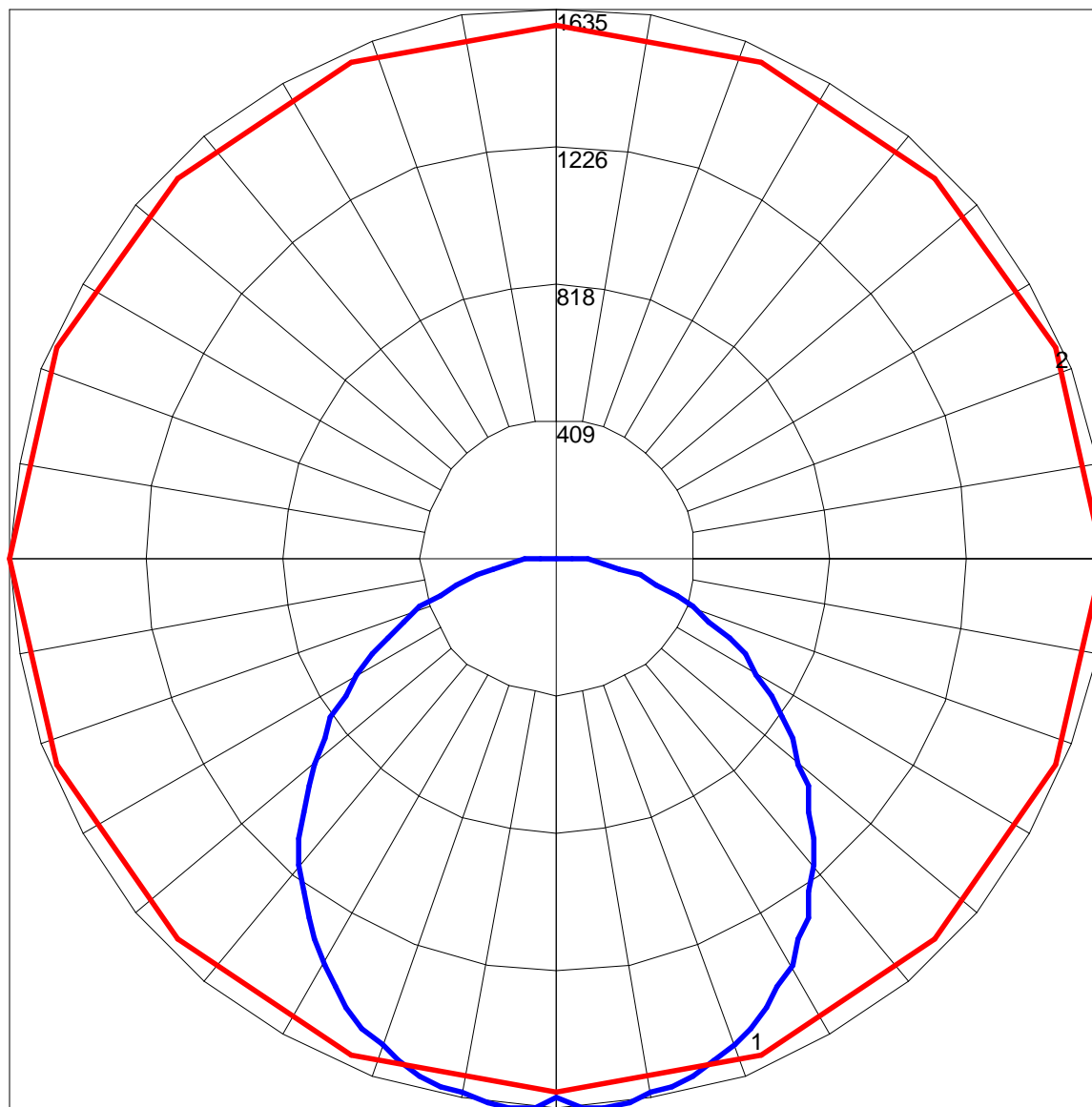
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47
5	74	60	51	44	71	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	49	42	37	48	42	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	35	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	23	34	28	23	22

POLAR GRAPH



Maximum Candela = 1635 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.)