



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-55L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/11/17
[TEST]DATE]04/28/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-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	5422
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	43.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
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	4208	4708	5117
55	3903	4684	5313
65	3623	4768	5468
75	3321	4744	4604
85	3066	4309	4806

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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	1711.167	1711.167	1711.167	1711.167	1711.167
2.5	1754.147	1727.284	1713.853	1697.735	1689.676
5.0	1748.775	1724.598	1713.853	1697.735	1684.304
7.5	1740.716	1719.226	1708.480	1695.049	1686.990
10.0	1740.716	1713.853	1705.794	1695.049	1684.304
12.5	1721.912	1697.735	1695.049	1686.990	1678.931
15.0	1703.108	1681.618	1684.304	1684.304	1673.559
17.5	1681.618	1662.814	1665.500	1670.872	1665.500
20.0	1646.696	1633.264	1641.323	1652.068	1649.382
22.5	1611.774	1603.715	1617.147	1635.951	1633.264
25.0	1576.852	1568.793	1592.970	1614.460	1614.460
27.5	1528.499	1528.499	1560.735	1590.284	1595.656
30.0	1477.460	1488.205	1525.813	1563.421	1571.480
32.5	1421.047	1434.479	1485.518	1531.185	1539.244
35.0	1367.322	1386.126	1445.224	1501.636	1512.381
37.5	1302.851	1327.027	1396.871	1461.342	1474.773
40.0	1243.752	1270.615	1351.204	1421.047	1437.165
42.5	1171.222	1203.458	1294.792	1370.008	1391.498
45.0	1106.751	1138.987	1238.380	1324.341	1345.831
47.5	1036.908	1079.889	1184.654	1278.674	1302.851
50.0	967.064	1012.731	1122.869	1222.262	1243.752
52.5	899.907	948.260	1066.457	1163.164	1192.713
55.0	832.750	881.103	999.300	1104.065	1133.614
57.5	765.593	819.318	942.888	1044.967	1074.516
60.0	701.122	754.847	875.731	977.810	1010.045
62.5	631.278	685.004	811.260	910.652	934.829
65.0	569.493	620.533	749.475	843.495	859.613
67.5	499.650	550.689	679.631	752.161	760.220
70.0	435.179	494.277	609.788	658.141	650.082
72.5	378.767	437.865	537.258	561.435	548.003
75.0	319.669	378.767	456.669	453.983	443.238
77.5	263.256	325.041	373.394	362.649	346.531
80.0	204.158	257.884	284.747	274.002	268.629
82.5	147.746	196.099	209.531	206.844	206.844
85.0	99.393	131.628	139.687	147.746	155.805
87.5	51.040	67.157	67.157	72.530	75.216
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	638.86	N.A.	11.80
0-30	1372.96	N.A.	25.30
0-40	2274.62	N.A.	42.00
0-60	4114.9	N.A.	75.90
0-80	5276.47	N.A.	97.30
0-90	5421.57	N.A.	100.00
10-90	5258.3	N.A.	97.00
20-40	1635.76	N.A.	30.20
20-50	2587.59	N.A.	47.70
40-70	2559.02	N.A.	47.20
60-80	1161.57	N.A.	21.40
70-80	442.82	N.A.	8.20
80-90	145.11	N.A.	2.70
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	5421.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.27
10-20	475.59
20-30	734.09
30-40	901.66
40-50	951.83
50-60	888.45
60-70	718.74
70-80	442.82
80-90	145.11
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

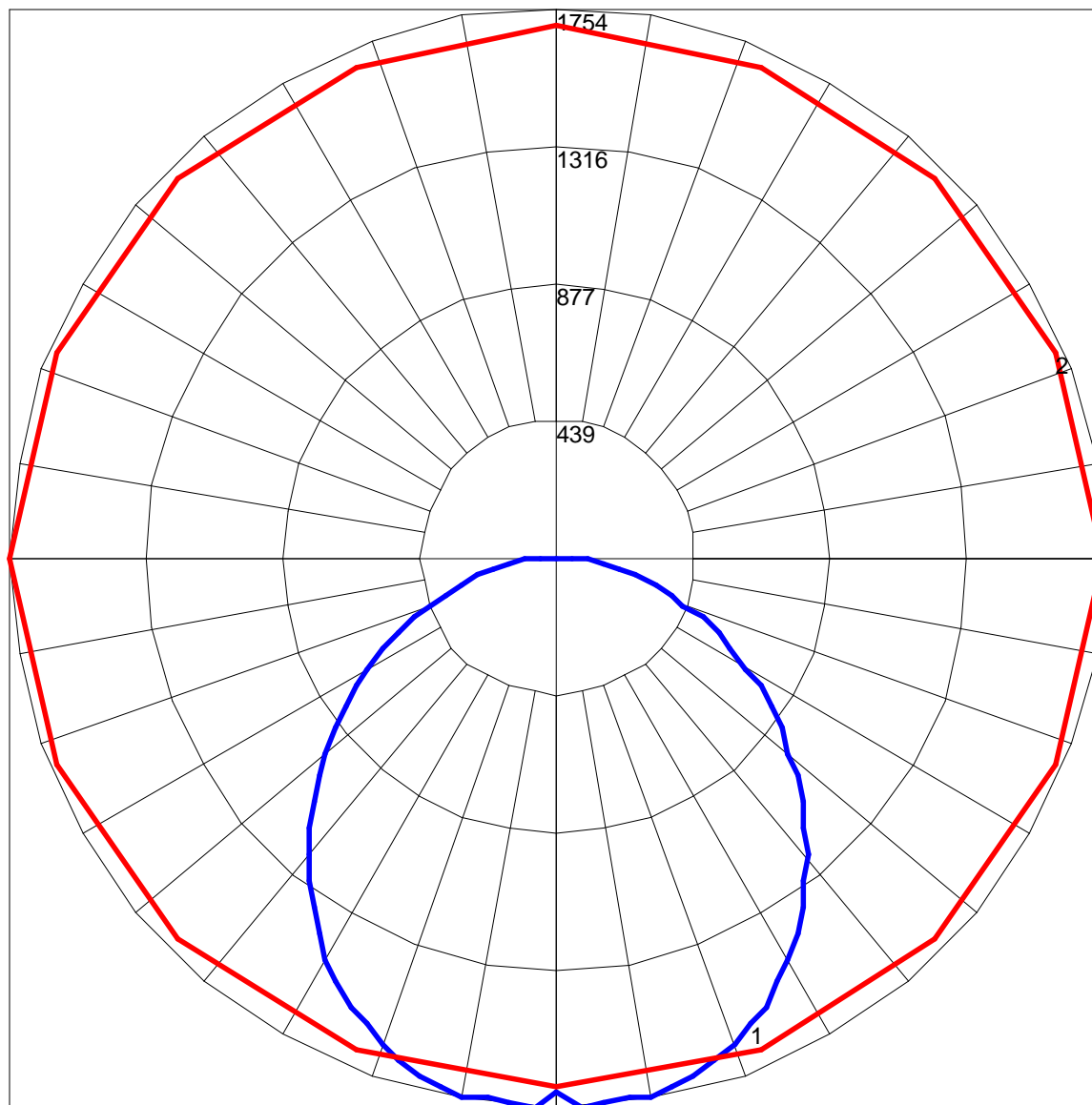
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1754.147 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.)