



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-55L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/10/17
[TEST]DATE]04/26/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-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	5727
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4030	4847	5589
55	3697	4955	6148
65	3345	5035	6869
75	2848	5315	8280
85	2180	5755	9504

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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	1670.615	1670.615	1670.615	1670.615	1670.615
2.5	1701.710	1690.403	1670.615	1656.481	1648.001
5.0	1701.710	1687.576	1673.442	1656.481	1648.001
7.5	1693.229	1681.922	1667.788	1659.308	1650.828
10.0	1681.922	1673.442	1664.962	1659.308	1656.481
12.5	1664.962	1659.308	1656.481	1653.655	1656.481
15.0	1648.001	1648.001	1650.828	1656.481	1653.655
17.5	1622.560	1625.387	1636.694	1648.001	1650.828
20.0	1594.293	1602.773	1622.560	1645.174	1650.828
22.5	1560.372	1571.679	1602.773	1633.867	1642.348
25.0	1523.624	1537.757	1580.159	1622.560	1636.694
27.5	1478.396	1501.010	1557.545	1611.253	1628.214
30.0	1427.514	1455.781	1523.624	1591.466	1614.080
32.5	1373.805	1407.727	1492.529	1568.852	1599.946
35.0	1320.097	1359.672	1455.781	1549.065	1580.159
37.5	1257.908	1303.136	1413.380	1517.970	1557.545
40.0	1192.893	1246.601	1370.979	1486.876	1529.277
42.5	1127.877	1187.239	1325.750	1452.955	1498.183
45.0	1060.035	1125.051	1274.869	1413.380	1469.915
47.5	997.846	1060.035	1223.987	1376.632	1435.994
50.0	930.004	995.020	1167.452	1334.231	1396.419
52.5	859.335	930.004	1113.743	1291.829	1351.191
55.0	788.666	864.989	1057.208	1240.948	1311.617
57.5	723.651	797.146	992.193	1187.239	1263.562
60.0	652.982	726.477	930.004	1127.877	1204.200
62.5	590.793	661.462	864.989	1074.169	1147.665
65.0	525.777	590.793	791.493	1006.327	1079.822
67.5	460.762	522.951	726.477	938.484	1020.460
70.0	395.746	455.108	652.982	870.642	949.791
72.5	336.384	390.093	582.313	799.973	881.949
75.0	274.196	327.904	511.644	720.824	797.146
77.5	217.661	265.715	435.321	630.367	709.517
80.0	166.779	209.180	358.999	537.084	602.100
82.5	118.724	149.818	274.196	418.360	472.069
85.0	70.669	96.110	186.566	279.849	308.117
87.5	31.094	39.575	84.803	118.724	121.551
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	625.91	N.A.	10.90
0-30	1354.93	N.A.	23.70
0-40	2263.57	N.A.	39.50
0-60	4184.5	N.A.	73.10
0-80	5525.69	N.A.	96.50
0-90	5726.62	N.A.	100.00
10-90	5567.16	N.A.	97.20
20-40	1637.65	N.A.	28.60
20-50	2617.99	N.A.	45.70
40-70	2711.6	N.A.	47.40
60-80	1341.19	N.A.	23.40
70-80	550.52	N.A.	9.60
80-90	200.93	N.A.	3.50
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	5726.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.46
10-20	466.45
20-30	729.02
30-40	908.64
40-50	980.34
50-60	940.60
60-70	790.67
70-80	550.52
80-90	200.93
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

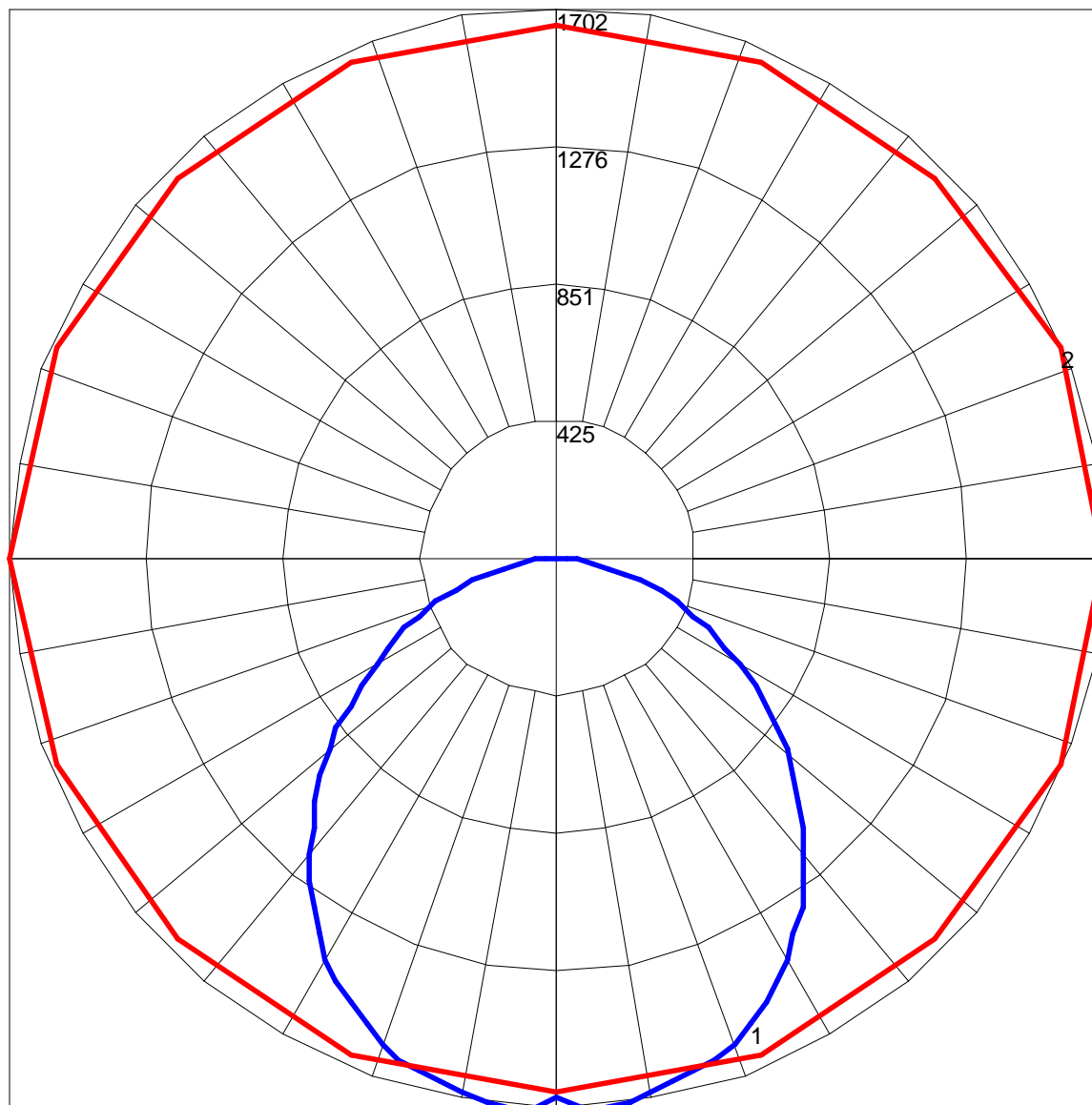
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1701.71 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.)