



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-55L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-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	5412
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	3809	4580	5281
55	3493	4683	5810
65	3161	4758	6491
75	2692	5022	7825
85	2060	5438	8982

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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	1578.721	1578.721	1578.721	1578.721	1578.721
2.5	1608.104	1597.419	1578.721	1565.364	1557.350
5.0	1608.104	1594.748	1581.392	1565.364	1557.350
7.5	1600.091	1589.406	1576.049	1568.035	1560.022
10.0	1589.406	1581.392	1573.378	1568.035	1565.364
12.5	1573.378	1568.035	1565.364	1562.693	1565.364
15.0	1557.350	1557.350	1560.022	1565.364	1562.693
17.5	1533.309	1535.980	1546.665	1557.350	1560.022
20.0	1506.596	1514.610	1533.309	1554.679	1560.022
22.5	1474.541	1485.226	1514.610	1543.994	1552.008
25.0	1439.814	1453.171	1493.240	1533.309	1546.665
27.5	1397.074	1418.444	1471.870	1522.624	1538.651
30.0	1348.991	1375.704	1439.814	1503.925	1525.295
32.5	1298.237	1330.292	1410.431	1482.555	1511.939
35.0	1247.483	1284.881	1375.704	1463.856	1493.240
37.5	1188.715	1231.455	1335.635	1434.472	1471.870
40.0	1127.276	1178.030	1295.566	1405.088	1445.157
42.5	1065.837	1121.933	1252.826	1373.033	1415.773
45.0	1001.726	1063.165	1204.743	1335.635	1389.060
47.5	942.958	1001.726	1156.660	1300.908	1357.005
50.0	878.848	940.287	1103.234	1260.839	1319.607
52.5	812.066	878.848	1052.480	1220.770	1276.867
55.0	745.284	817.409	999.055	1172.687	1239.469
57.5	683.845	753.298	937.616	1121.933	1194.058
60.0	617.063	686.516	878.848	1065.837	1137.961
62.5	558.295	625.077	817.409	1015.083	1084.536
65.0	496.856	558.295	747.956	950.972	1020.425
67.5	435.417	494.185	686.516	886.862	964.328
70.0	373.978	430.074	617.063	822.751	897.547
72.5	317.881	368.635	550.282	755.969	833.436
75.0	259.113	309.867	483.500	681.174	753.298
77.5	205.688	251.099	411.376	595.693	670.489
80.0	157.605	197.674	339.251	507.541	568.980
82.5	112.193	141.577	259.113	395.348	446.102
85.0	66.782	90.823	176.304	264.456	291.168
87.5	29.384	37.398	80.138	112.193	114.865
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	591.48	N.A.	10.90
0-30	1280.4	N.A.	23.70
0-40	2139.06	N.A.	39.50
0-60	3954.33	N.A.	73.10
0-80	5221.74	N.A.	96.50
0-90	5411.62	N.A.	100.00
10-90	5260.93	N.A.	97.20
20-40	1547.57	N.A.	28.60
20-50	2473.98	N.A.	45.70
40-70	2562.45	N.A.	47.40
60-80	1267.42	N.A.	23.40
70-80	520.24	N.A.	9.60
80-90	189.88	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	5411.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.69
10-20	440.79
20-30	688.92
30-40	858.66
40-50	926.41
50-60	888.86
60-70	747.18
70-80	520.24
80-90	189.88
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

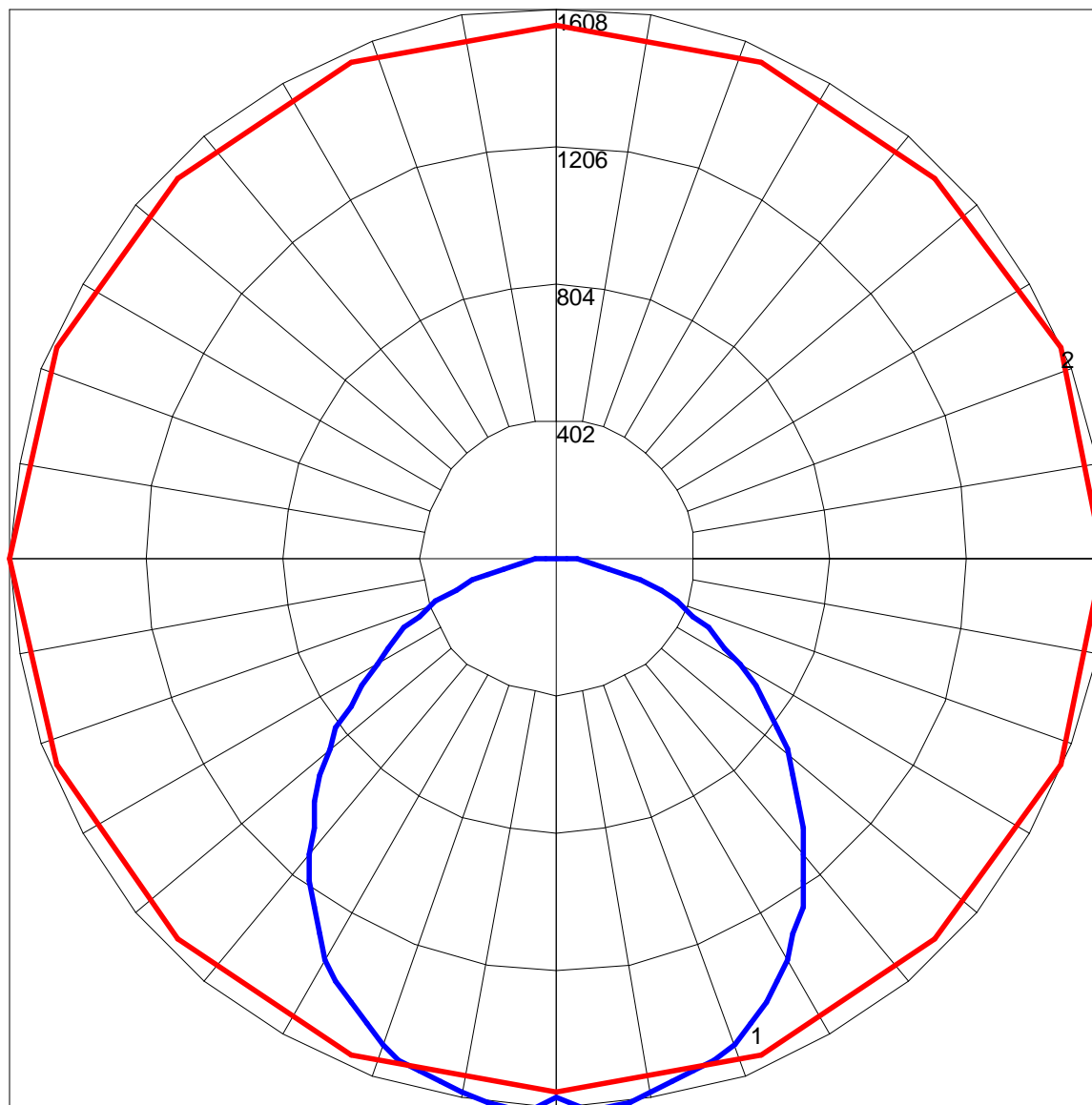
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1608.104 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.)