



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-60L-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-60L-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	6170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	48.6
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	4342	5222	6021
55	3983	5339	6623
65	3603	5425	7401
75	3069	5726	8921
85	2349	6200	10240

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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	1799.843	1799.843	1799.843	1799.843	1799.843
2.5	1833.343	1821.161	1799.843	1784.616	1775.480
5.0	1833.343	1818.116	1802.889	1784.616	1775.480
7.5	1824.207	1812.025	1796.798	1787.661	1778.525
10.0	1812.025	1802.889	1793.752	1787.661	1784.616
12.5	1793.752	1787.661	1784.616	1781.571	1784.616
15.0	1775.480	1775.480	1778.525	1784.616	1781.571
17.5	1748.071	1751.116	1763.298	1775.480	1778.525
20.0	1717.617	1726.753	1748.071	1772.434	1778.525
22.5	1681.072	1693.253	1726.753	1760.253	1769.389
25.0	1641.481	1656.708	1702.390	1748.071	1763.298
27.5	1592.755	1617.118	1678.026	1735.889	1754.162
30.0	1537.937	1568.391	1641.481	1714.571	1738.935
32.5	1480.074	1516.619	1607.982	1690.208	1723.708
35.0	1422.211	1464.847	1568.391	1668.890	1702.390
37.5	1355.212	1403.939	1522.710	1635.391	1678.026
40.0	1285.167	1343.030	1477.029	1601.891	1647.572
42.5	1215.123	1279.076	1428.302	1565.346	1614.073
45.0	1142.032	1212.077	1373.484	1522.710	1583.618
47.5	1075.033	1142.032	1318.667	1483.120	1547.073
50.0	1001.943	1071.988	1257.758	1437.438	1504.437
52.5	925.808	1001.943	1199.895	1391.757	1455.711
55.0	849.672	931.898	1138.987	1336.939	1413.075
57.5	779.628	858.808	1068.942	1279.076	1361.303
60.0	703.492	782.673	1001.943	1215.123	1297.349
62.5	636.493	712.628	931.898	1157.260	1236.440
65.0	566.448	636.493	852.718	1084.169	1163.350
67.5	496.403	563.403	782.673	1011.079	1099.397
70.0	426.359	490.313	703.492	937.989	1023.261
72.5	362.405	420.268	627.357	861.854	950.171
75.0	295.406	353.269	551.221	776.582	858.808
77.5	234.497	286.269	468.995	679.129	764.400
80.0	179.680	225.361	386.768	578.630	648.674
82.5	127.908	161.407	295.406	450.722	508.585
85.0	76.135	103.544	200.998	301.497	331.951
87.5	33.500	42.636	91.363	127.908	130.953
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	674.33	N.A.	10.90
0-30	1459.74	N.A.	23.70
0-40	2438.66	N.A.	39.50
0-60	4508.19	N.A.	73.10
0-80	5953.12	N.A.	96.50
0-90	6169.6	N.A.	100.00
10-90	5997.8	N.A.	97.20
20-40	1764.33	N.A.	28.60
20-50	2820.5	N.A.	45.70
40-70	2921.35	N.A.	47.40
60-80	1444.94	N.A.	23.40
70-80	593.11	N.A.	9.60
80-90	216.47	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	6169.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.80
10-20	502.53
20-30	785.41
30-40	978.92
40-50	1056.17
50-60	1013.36
60-70	851.83
70-80	593.11
80-90	216.47
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

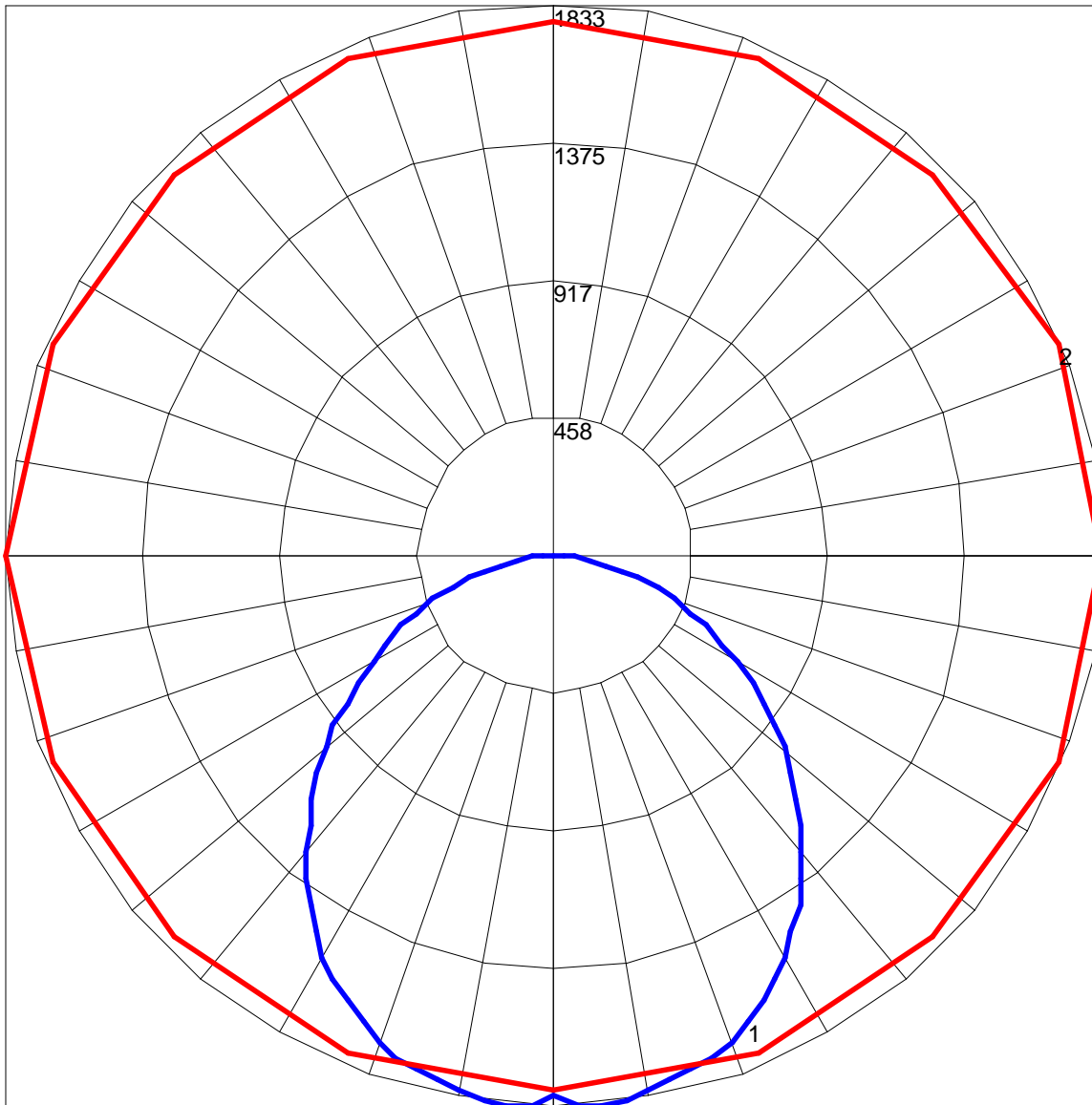
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1833.343 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.)