



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-50L-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

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]LPEC22-LED-50L-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	5224
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	40.7
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	3676	4421	5098
55	3372	4520	5608
65	3051	4593	6266
75	2598	4848	7553
85	1988	5249	8670

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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	1523.888	1523.888	1523.888	1523.888	1523.888
2.5	1552.251	1541.937	1523.888	1510.995	1503.260
5.0	1552.251	1539.359	1526.466	1510.995	1503.260
7.5	1544.516	1534.202	1521.309	1513.574	1505.838
10.0	1534.202	1526.466	1518.731	1513.574	1510.995
12.5	1518.731	1513.574	1510.995	1508.417	1510.995
15.0	1503.260	1503.260	1505.838	1510.995	1508.417
17.5	1480.053	1482.632	1492.946	1503.260	1505.838
20.0	1454.268	1462.004	1480.053	1500.681	1505.838
22.5	1423.326	1433.640	1462.004	1490.367	1498.103
25.0	1389.806	1402.699	1441.376	1480.053	1492.946
27.5	1348.550	1369.178	1420.748	1469.739	1485.210
30.0	1302.137	1327.922	1389.806	1451.690	1472.318
32.5	1253.146	1284.088	1361.443	1431.062	1459.425
35.0	1204.155	1240.254	1327.922	1413.013	1441.376
37.5	1147.428	1188.684	1289.245	1384.649	1420.748
40.0	1088.123	1137.114	1250.568	1356.286	1394.963
42.5	1028.818	1082.966	1209.312	1325.344	1366.600
45.0	966.934	1026.239	1162.899	1289.245	1340.815
47.5	910.207	966.934	1116.486	1255.725	1309.873
50.0	848.323	907.628	1064.916	1217.047	1273.774
52.5	783.861	848.323	1015.925	1178.370	1232.518
55.0	719.399	789.018	964.355	1131.957	1196.419
57.5	660.093	727.134	905.050	1082.966	1152.585
60.0	595.631	662.672	848.323	1028.818	1098.437
62.5	538.904	603.367	789.018	979.826	1046.867
65.0	479.599	538.904	721.977	917.942	984.983
67.5	420.294	477.021	662.672	856.059	930.835
70.0	360.989	415.137	595.631	794.175	866.373
72.5	306.840	355.832	531.169	729.713	804.489
75.0	250.114	299.105	466.707	657.515	727.134
77.5	198.544	242.378	397.087	575.003	647.201
80.0	152.131	190.808	327.468	489.913	549.218
82.5	108.297	136.660	250.114	381.617	430.608
85.0	64.462	87.669	170.180	255.271	281.055
87.5	28.363	36.099	77.355	108.297	110.875
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	570.94	N.A.	10.90
0-30	1235.93	N.A.	23.70
0-40	2064.76	N.A.	39.50
0-60	3816.98	N.A.	73.10
0-80	5040.38	N.A.	96.50
0-90	5223.66	N.A.	100.00
10-90	5078.2	N.A.	97.20
20-40	1493.82	N.A.	28.60
20-50	2388.05	N.A.	45.70
40-70	2473.45	N.A.	47.40
60-80	1223.39	N.A.	23.40
70-80	502.17	N.A.	9.60
80-90	183.28	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	5223.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.46
10-20	425.48
20-30	664.99
30-40	828.83
40-50	894.23
50-60	857.99
60-70	721.23
70-80	502.17
80-90	183.28
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

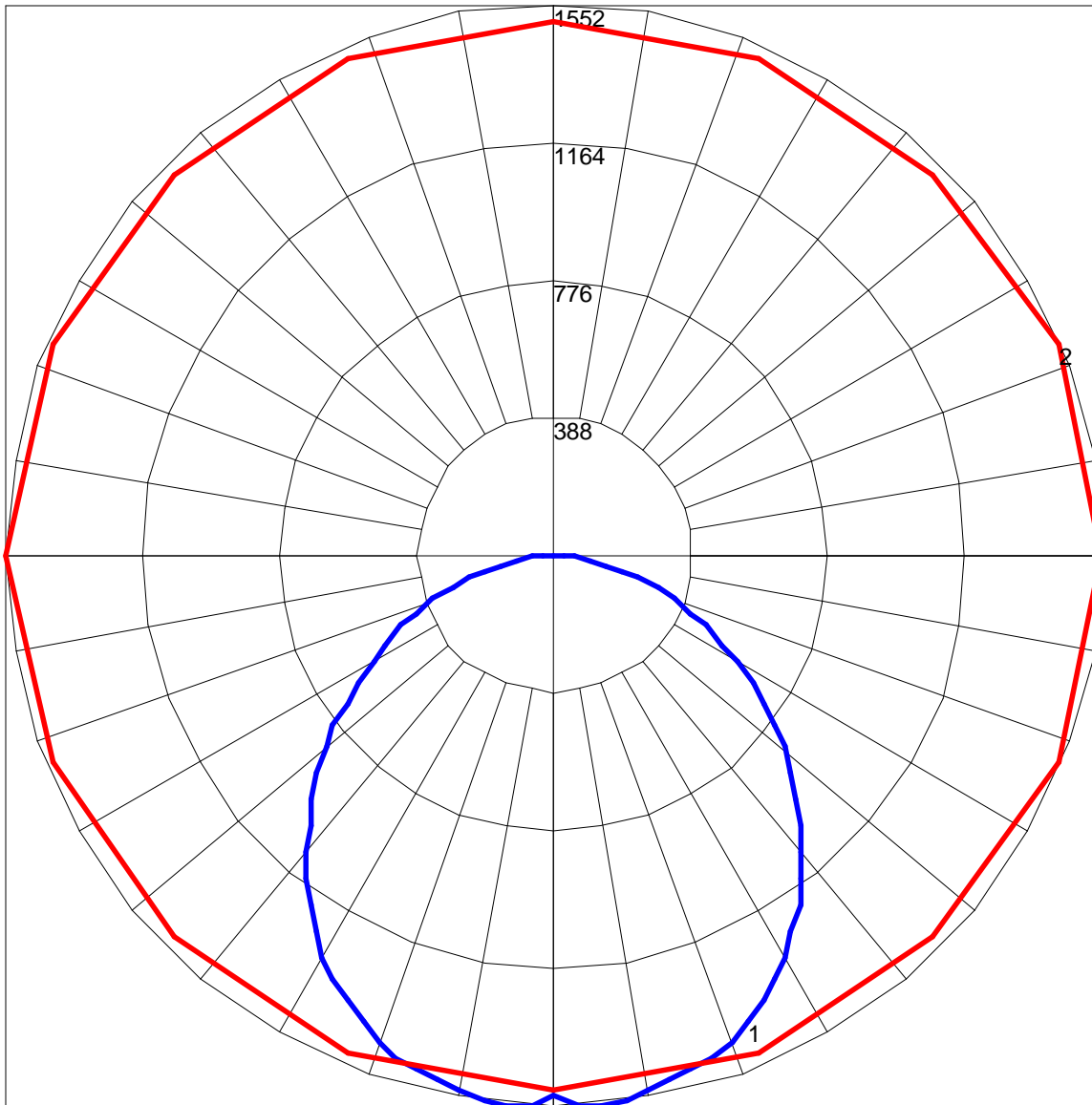
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1552.251 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.)