



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-50L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 07/10/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-50L-50
[_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	5340
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	38.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
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	3968	4682	5248
55	3730	4770	5626
65	3469	4830	6009
75	3144	4824	5827
85	2736	4346	4024

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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	1562.893	1562.893	1562.893	1562.893	1562.893
2.5	1594.203	1575.939	1565.502	1552.456	1544.629
5.0	1594.203	1575.939	1565.502	1555.065	1549.847
7.5	1588.985	1573.329	1565.502	1557.674	1549.847
10.0	1581.157	1565.502	1562.893	1557.674	1549.847
12.5	1565.502	1552.456	1552.456	1555.065	1549.847
15.0	1549.847	1539.410	1547.238	1552.456	1555.065
17.5	1528.974	1523.755	1536.801	1552.456	1552.456
20.0	1502.882	1502.882	1523.755	1549.847	1552.456
22.5	1474.181	1476.790	1508.100	1542.019	1544.629
25.0	1445.480	1450.698	1495.054	1534.192	1542.019
27.5	1403.733	1421.998	1471.572	1521.146	1536.801
30.0	1359.378	1385.469	1448.089	1508.100	1523.755
32.5	1315.022	1343.723	1421.998	1489.836	1513.319
35.0	1268.057	1301.976	1388.078	1468.963	1489.836
37.5	1213.264	1252.402	1354.159	1442.871	1468.963
40.0	1153.253	1202.827	1315.022	1414.170	1442.871
42.5	1101.070	1148.035	1275.884	1382.860	1416.779
45.0	1043.668	1095.851	1231.528	1346.332	1380.251
47.5	981.048	1041.059	1181.954	1309.803	1343.723
50.0	921.037	983.657	1129.771	1262.838	1304.585
52.5	858.417	923.646	1074.978	1210.655	1252.402
55.0	795.797	861.026	1017.576	1155.862	1200.218
57.5	735.786	798.406	957.565	1101.070	1145.426
60.0	675.775	733.177	894.945	1038.450	1082.806
62.5	610.546	667.948	829.716	973.220	1017.576
65.0	545.317	600.109	759.268	902.773	944.520
67.5	482.696	534.880	686.212	824.498	861.026
70.0	420.076	467.041	613.155	741.004	767.096
72.5	362.675	404.421	542.707	652.292	670.557
75.0	302.664	341.801	464.432	555.753	560.972
77.5	245.262	281.790	386.157	446.168	446.168
80.0	187.860	221.779	305.273	341.801	336.583
82.5	140.895	161.769	224.389	237.434	226.998
85.0	88.712	106.976	140.895	135.677	130.458
87.5	44.356	54.793	60.011	49.574	46.965
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	587.27	N.A.	11.00
0-30	1275.84	N.A.	23.90
0-40	2142.04	N.A.	40.10
0-60	3985.68	N.A.	74.60
0-80	5198.73	N.A.	97.40
0-90	5339.94	N.A.	100.00
10-90	5190.48	N.A.	97.20
20-40	1554.76	N.A.	29.10
20-50	2496.96	N.A.	46.80
40-70	2585.68	N.A.	48.40
60-80	1213.06	N.A.	22.70
70-80	471.01	N.A.	8.80
80-90	141.20	N.A.	2.60
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	5339.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.45
10-20	437.82
20-30	688.57
30-40	866.19
40-50	942.20
50-60	901.44
60-70	742.04
70-80	471.01
80-90	141.20
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

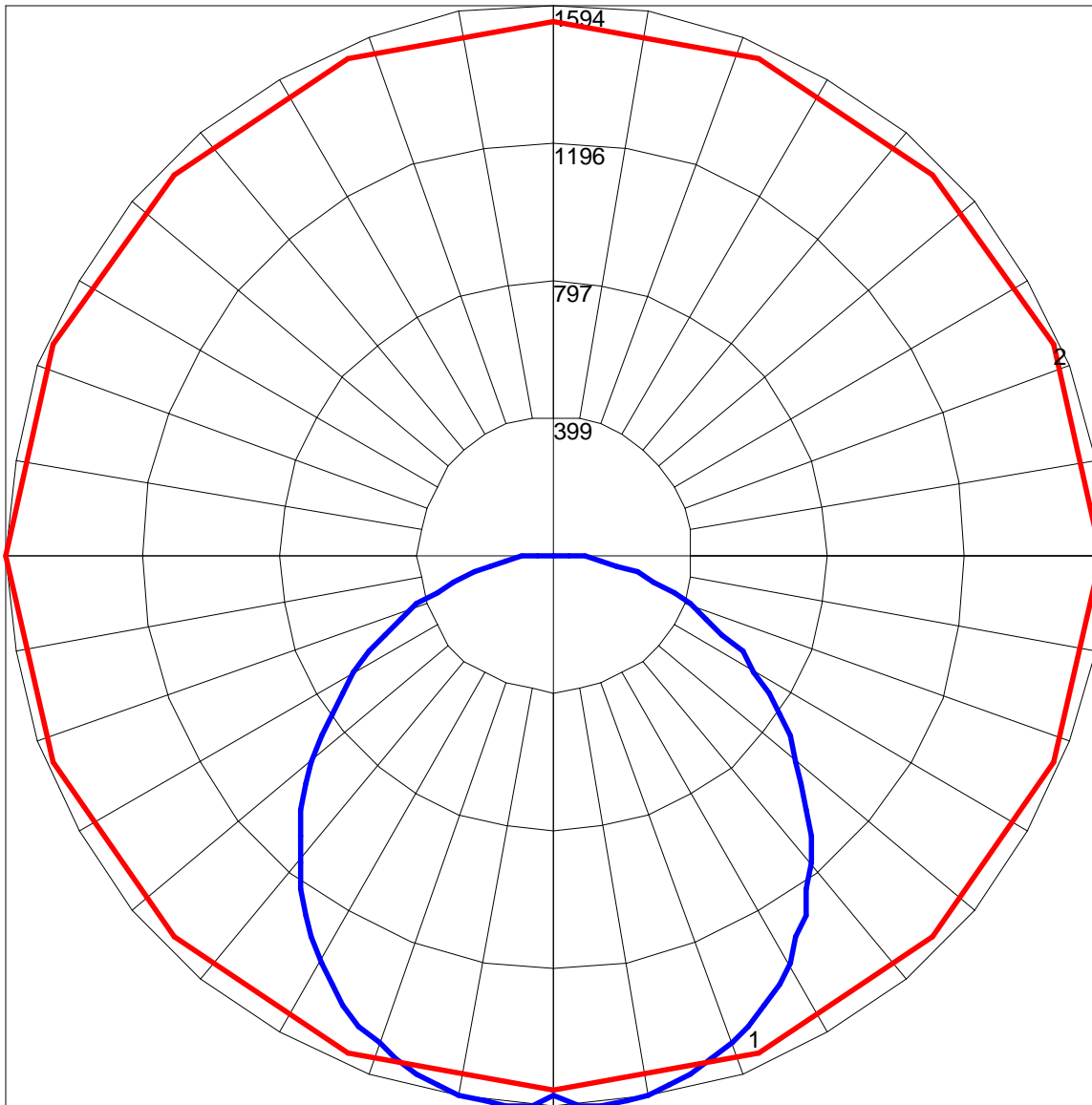
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1594.203 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.)