



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-50L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8960_Scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 08/18/17

[TESTDATE] 05/25/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPEC14-LED-50L-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	4892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	3635	4290	4808
55	3417	4369	5154
65	3178	4425	5504
75	2880	4420	5338
85	2507	3982	3687

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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	1431.796	1431.796	1431.796	1431.796	1431.796
2.5	1460.479	1443.747	1434.186	1422.234	1415.064
5.0	1460.479	1443.747	1434.186	1424.625	1419.844
7.5	1455.699	1441.357	1434.186	1427.015	1419.844
10.0	1448.528	1434.186	1431.796	1427.015	1419.844
12.5	1434.186	1422.234	1422.234	1424.625	1419.844
15.0	1419.844	1410.283	1417.454	1422.234	1424.625
17.5	1400.722	1395.941	1407.893	1422.234	1422.234
20.0	1376.819	1376.819	1395.941	1419.844	1422.234
22.5	1350.525	1352.915	1381.599	1412.673	1415.064
25.0	1324.232	1329.012	1369.648	1405.502	1412.673
27.5	1285.987	1302.719	1348.135	1393.551	1407.893
30.0	1245.352	1269.255	1326.622	1381.599	1395.941
32.5	1204.716	1231.010	1302.719	1364.867	1386.380
35.0	1161.691	1192.765	1271.645	1345.745	1364.867
37.5	1111.494	1147.349	1240.571	1321.841	1345.745
40.0	1056.517	1101.933	1204.716	1295.548	1321.841
42.5	1008.711	1051.736	1168.862	1266.864	1297.938
45.0	956.124	1003.930	1128.226	1233.400	1264.474
47.5	898.757	953.734	1082.810	1199.936	1231.010
50.0	843.779	901.147	1035.004	1156.910	1195.155
52.5	786.412	846.170	984.808	1109.104	1147.349
55.0	729.045	788.802	932.221	1058.907	1099.543
57.5	674.067	731.435	877.244	1008.711	1049.346
60.0	619.090	671.677	819.876	951.343	991.979
62.5	559.333	611.919	760.119	891.586	932.221
65.0	499.575	549.771	695.580	827.047	865.292
67.5	442.207	490.014	628.652	755.338	788.802
70.0	384.840	427.865	561.723	678.848	702.751
72.5	332.253	370.498	497.184	597.578	614.310
75.0	277.276	313.131	425.475	509.136	513.917
77.5	224.689	258.153	353.766	408.743	408.743
80.0	172.102	203.176	279.666	313.131	308.350
82.5	129.077	148.199	205.567	217.518	207.957
85.0	81.271	98.003	129.077	124.296	119.516
87.5	40.635	50.197	54.977	45.416	43.026
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	538.01	N.A.	11.00
0-30	1168.82	N.A.	23.90
0-40	1962.36	N.A.	40.10
0-60	3651.35	N.A.	74.60
0-80	4762.66	N.A.	97.40
0-90	4892.02	N.A.	100.00
10-90	4755.1	N.A.	97.20
20-40	1424.35	N.A.	29.10
20-50	2287.51	N.A.	46.80
40-70	2368.79	N.A.	48.40
60-80	1111.3	N.A.	22.70
70-80	431.51	N.A.	8.80
80-90	129.36	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	4892.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.92
10-20	401.10
20-30	630.81
30-40	793.54
40-50	863.16
50-60	825.83
60-70	679.80
70-80	431.51
80-90	129.36
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

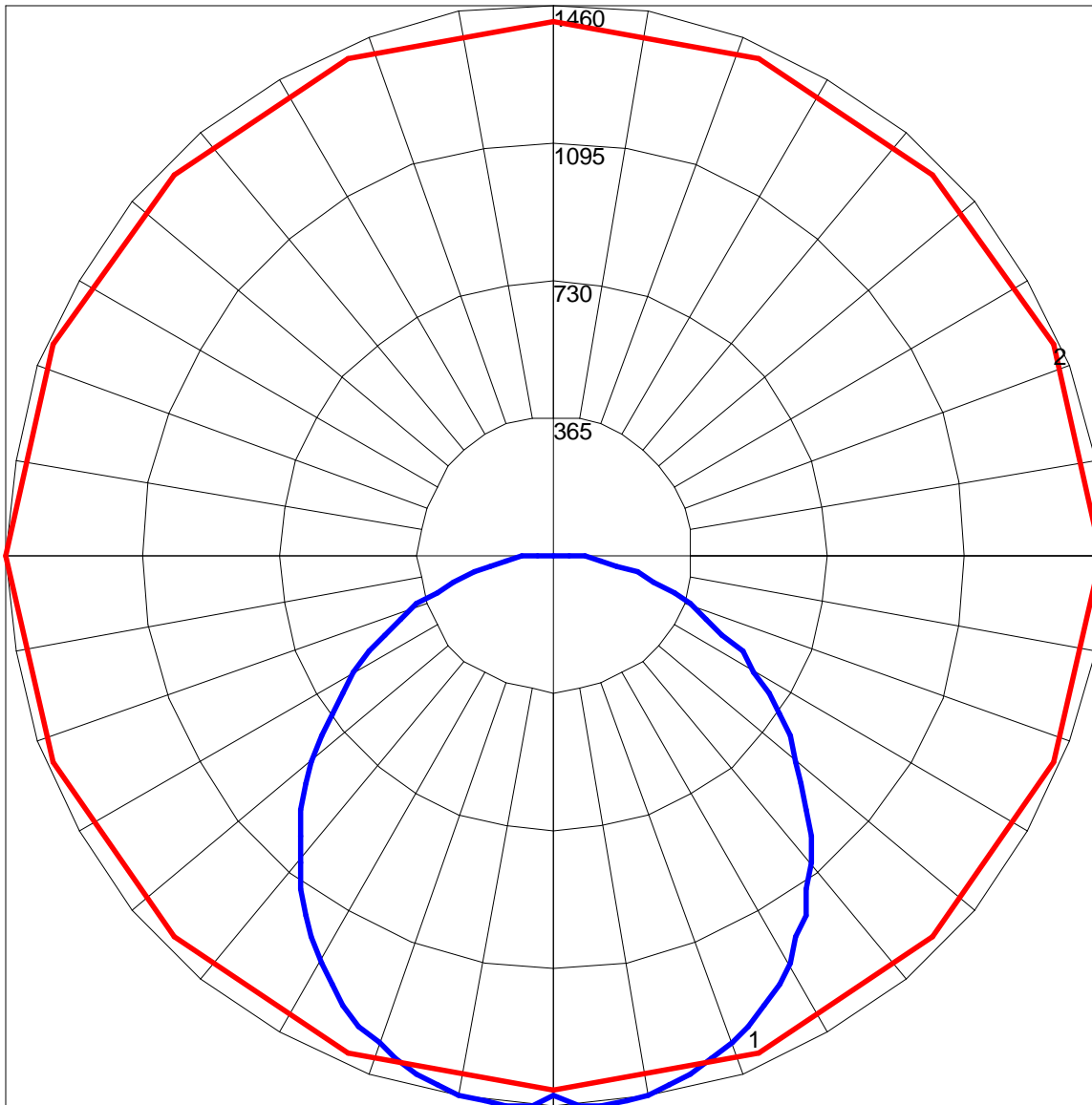
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1460.479 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.)