



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-70L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 07/10/17
[TEST DATE] 05/25/17
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-70L-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	7486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	55.8
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	5563	6565	7357
55	5229	6687	7887
65	4863	6772	8424
75	4408	6763	8169
85	3836	6093	5642

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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	2191.136	2191.136	2191.136	2191.136	2191.136
2.5	2235.032	2209.426	2194.794	2176.504	2165.530
5.0	2235.032	2209.426	2194.794	2180.162	2172.846
7.5	2227.716	2205.768	2194.794	2183.820	2172.846
10.0	2216.742	2194.794	2191.136	2183.820	2172.846
12.5	2194.794	2176.504	2176.504	2180.162	2172.846
15.0	2172.846	2158.214	2169.188	2176.504	2180.162
17.5	2143.582	2136.266	2154.556	2176.504	2176.504
20.0	2107.002	2107.002	2136.266	2172.846	2176.504
22.5	2066.764	2070.422	2114.318	2161.872	2165.530
25.0	2026.526	2033.842	2096.028	2150.898	2161.872
27.5	1967.999	1993.605	2063.106	2132.608	2154.556
30.0	1905.813	1942.393	2030.184	2114.318	2136.266
32.5	1843.627	1883.865	1993.605	2088.712	2121.634
35.0	1777.783	1825.337	1946.051	2059.448	2088.712
37.5	1700.965	1755.835	1898.497	2022.868	2059.448
40.0	1616.832	1686.333	1843.627	1982.631	2022.868
42.5	1543.672	1609.516	1788.757	1938.735	1986.289
45.0	1463.196	1536.356	1726.571	1887.523	1935.077
47.5	1375.404	1459.538	1657.069	1836.311	1883.865
50.0	1291.270	1379.062	1583.910	1770.467	1828.995
52.5	1203.479	1294.928	1507.092	1697.307	1755.835
55.0	1115.687	1207.137	1426.616	1620.490	1682.675
57.5	1031.553	1119.345	1342.482	1543.672	1605.858
60.0	947.419	1027.895	1254.691	1455.880	1518.066
62.5	855.970	936.445	1163.241	1364.430	1426.616
65.0	764.520	841.338	1064.475	1265.665	1324.192
67.5	676.728	749.888	962.051	1155.925	1207.137
70.0	588.936	654.780	859.628	1038.869	1075.449
72.5	508.461	566.988	760.862	914.497	940.103
75.0	424.327	479.197	651.122	779.152	786.468
77.5	343.851	395.063	541.383	625.516	625.516
80.0	263.375	310.929	427.985	479.197	471.881
82.5	197.531	226.795	314.587	332.877	318.245
85.0	124.372	149.978	197.531	190.215	182.899
87.5	62.186	76.818	84.134	69.502	65.844
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	823.34	N.A.	11.00
0-30	1788.7	N.A.	23.90
0-40	3003.08	N.A.	40.10
0-60	5587.82	N.A.	74.60
0-80	7288.49	N.A.	97.40
0-90	7486.45	N.A.	100.00
10-90	7276.93	N.A.	97.20
20-40	2179.74	N.A.	29.10
20-50	3500.68	N.A.	46.80
40-70	3625.06	N.A.	48.40
60-80	1700.68	N.A.	22.70
70-80	660.35	N.A.	8.80
80-90	197.96	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	7486.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.53
10-20	613.81
20-30	965.36
30-40	1214.38
40-50	1320.94
50-60	1263.8
60-70	1040.32
70-80	660.35
80-90	197.96
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

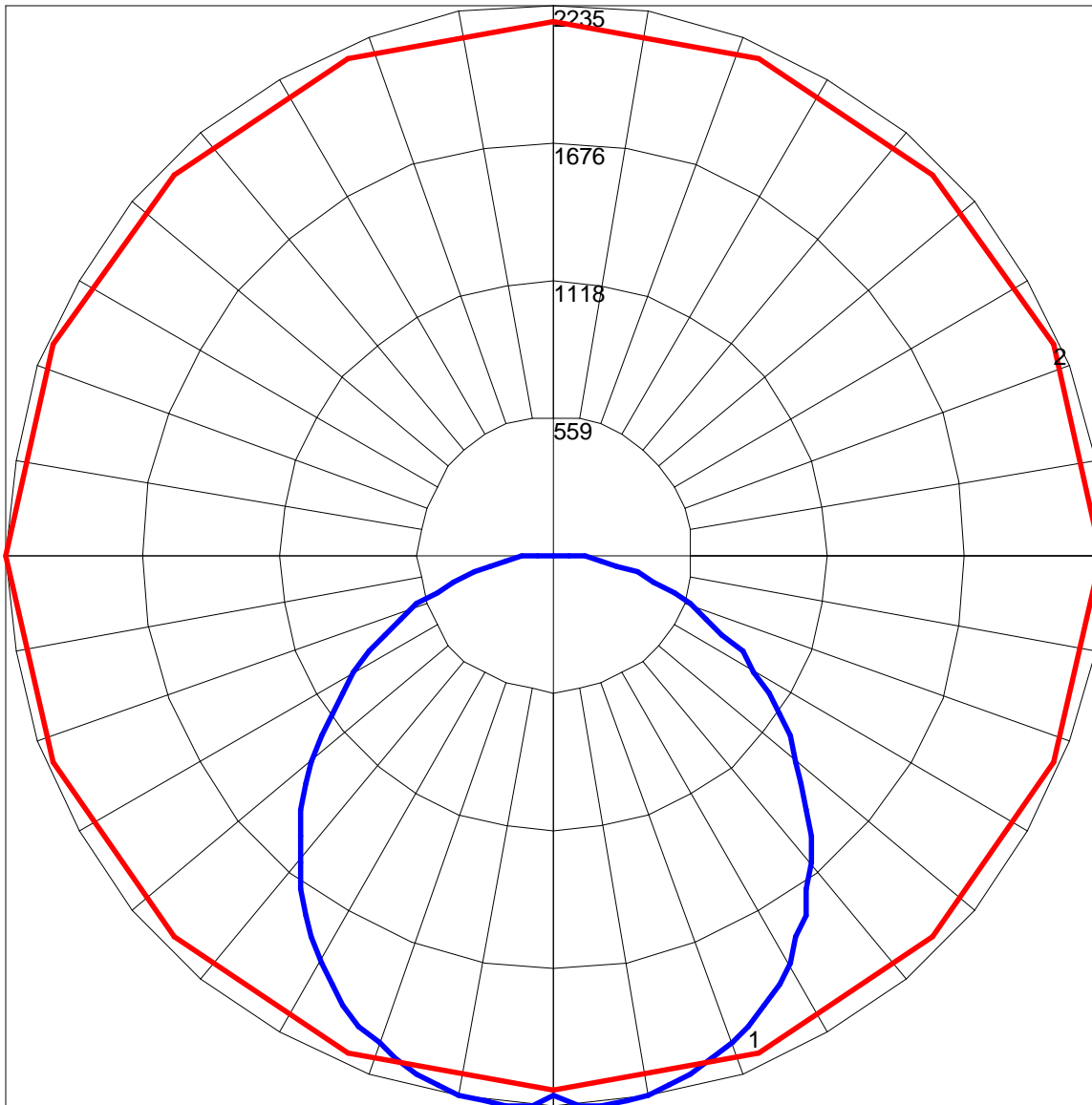
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43	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 = 2235.032 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.)