



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-75L-35.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-75L-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	7268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	60.1
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	5400	6373	7142
55	5076	6491	7656
65	4721	6574	8177
75	4279	6566	7930
85	3724	5915	5477

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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	2127.055	2127.055	2127.055	2127.055	2127.055
2.5	2169.667	2144.810	2130.606	2112.851	2102.198
5.0	2169.667	2144.810	2130.606	2116.402	2109.300
7.5	2162.565	2141.259	2130.606	2119.953	2109.300
10.0	2151.912	2130.606	2127.055	2119.953	2109.300
12.5	2130.606	2112.851	2112.851	2116.402	2109.300
15.0	2109.300	2095.096	2105.749	2112.851	2116.402
17.5	2080.892	2073.790	2091.545	2112.851	2112.851
20.0	2045.382	2045.382	2073.790	2109.300	2112.851
22.5	2006.321	2009.872	2052.484	2098.647	2102.198
25.0	1967.259	1974.362	2034.729	2087.994	2098.647
27.5	1910.443	1935.300	2002.770	2070.239	2091.545
30.0	1850.076	1885.586	1970.810	2052.484	2073.790
32.5	1789.709	1828.770	1935.300	2027.627	2059.586
35.0	1725.791	1771.954	1889.137	1999.219	2027.627
37.5	1651.220	1704.485	1842.974	1963.708	1999.219
40.0	1569.546	1637.016	1789.709	1924.647	1963.708
42.5	1498.526	1562.444	1736.444	1882.035	1928.198
45.0	1420.404	1491.424	1676.077	1832.321	1878.484
47.5	1335.180	1416.853	1608.607	1782.607	1828.770
50.0	1253.506	1338.731	1537.587	1718.689	1775.505
52.5	1168.282	1257.058	1463.016	1647.669	1704.485
55.0	1083.058	1171.833	1384.894	1573.097	1633.465
57.5	1001.385	1086.609	1303.221	1498.526	1558.893
60.0	919.712	997.834	1217.996	1413.302	1473.669
62.5	830.936	909.059	1129.221	1324.527	1384.894
65.0	742.161	816.732	1033.344	1228.649	1285.466
67.5	656.937	727.957	933.916	1122.119	1171.833
70.0	571.713	635.631	834.487	1008.487	1043.997
72.5	493.590	550.407	738.610	887.752	912.610
75.0	411.917	465.182	632.080	756.365	763.467
77.5	333.795	383.509	525.549	607.223	607.223
80.0	255.673	301.836	415.468	465.182	458.080
82.5	191.755	220.163	305.387	323.142	308.938
85.0	120.734	145.591	191.755	184.653	177.550
87.5	60.367	74.571	81.673	67.469	63.918
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	799.26	N.A.	11.00
0-30	1736.39	N.A.	23.90
0-40	2915.25	N.A.	40.10
0-60	5424.4	N.A.	74.60
0-80	7075.34	N.A.	97.40
0-90	7267.51	N.A.	100.00
10-90	7064.11	N.A.	97.20
20-40	2115.99	N.A.	29.10
20-50	3398.3	N.A.	46.80
40-70	3519.05	N.A.	48.40
60-80	1650.94	N.A.	22.70
70-80	641.04	N.A.	8.80
80-90	192.17	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	7267.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	203.40
10-20	595.86
20-30	937.12
30-40	1178.87
40-50	1282.31
50-60	1226.84
60-70	1009.9
70-80	641.04
80-90	192.17
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

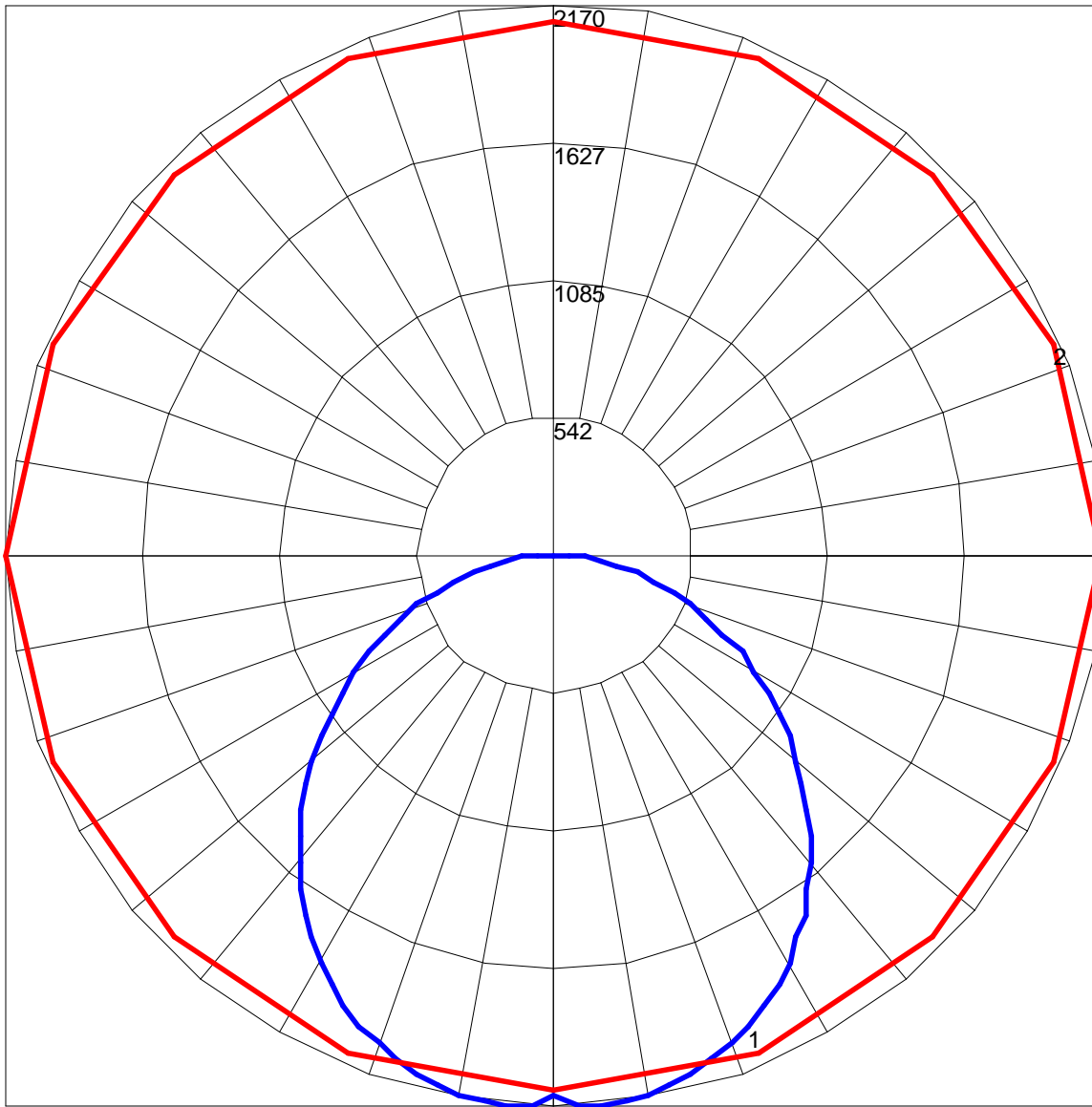
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	37	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 = 2169.667 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.)