



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-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-65L-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	6287
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	51
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	4672	5513	6178
55	4391	5615	6623
65	4084	5686	7074
75	3701	5680	6860
85	3222	5117	4738

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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	1839.996	1839.996	1839.996	1839.996	1839.996
2.5	1876.858	1855.355	1843.068	1827.709	1818.494
5.0	1876.858	1855.355	1843.068	1830.781	1824.637
7.5	1870.714	1852.283	1843.068	1833.853	1824.637
10.0	1861.499	1843.068	1839.996	1833.853	1824.637
12.5	1843.068	1827.709	1827.709	1830.781	1824.637
15.0	1824.637	1812.350	1821.566	1827.709	1830.781
17.5	1800.063	1793.920	1809.278	1827.709	1827.709
20.0	1769.345	1769.345	1793.920	1824.637	1827.709
22.5	1735.556	1738.627	1775.489	1815.422	1818.494
25.0	1701.766	1707.910	1760.130	1806.207	1815.422
27.5	1652.618	1674.120	1732.484	1790.848	1809.278
30.0	1600.397	1631.115	1704.838	1775.489	1793.920
32.5	1548.177	1581.967	1674.120	1753.986	1781.632
35.0	1492.885	1532.818	1634.187	1729.412	1753.986
37.5	1428.378	1474.454	1594.254	1698.694	1729.412
40.0	1357.727	1416.091	1548.177	1664.905	1698.694
42.5	1296.291	1351.583	1502.100	1628.043	1667.977
45.0	1228.712	1290.148	1449.880	1585.038	1624.972
47.5	1154.989	1225.640	1391.516	1542.034	1581.967
50.0	1084.338	1158.061	1330.081	1486.742	1535.890
52.5	1010.616	1087.410	1265.573	1425.306	1474.454
55.0	936.893	1013.687	1197.994	1360.799	1413.019
57.5	866.242	939.965	1127.343	1296.291	1348.511
60.0	795.591	863.170	1053.621	1222.568	1274.789
62.5	718.797	786.376	976.826	1145.774	1197.994
65.0	642.002	706.509	893.888	1062.836	1111.984
67.5	568.279	629.715	807.878	970.682	1013.687
70.0	494.557	549.849	721.868	872.386	903.103
72.5	426.977	476.126	638.930	767.945	789.447
75.0	356.326	402.403	546.777	654.289	660.433
77.5	288.747	331.752	454.623	525.274	525.274
80.0	221.168	261.101	359.398	402.403	396.260
82.5	165.876	190.450	264.173	279.532	267.245
85.0	104.441	125.943	165.876	159.733	153.589
87.5	52.220	64.507	70.651	58.364	55.292
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	691.40	N.A.	11.00
0-30	1502.05	N.A.	23.90
0-40	2521.82	N.A.	40.10
0-60	4692.35	N.A.	74.60
0-80	6120.48	N.A.	97.40
0-90	6286.72	N.A.	100.00
10-90	6110.77	N.A.	97.20
20-40	1830.43	N.A.	29.10
20-50	2939.68	N.A.	46.80
40-70	3044.13	N.A.	48.40
60-80	1428.13	N.A.	22.70
70-80	554.53	N.A.	8.80
80-90	166.24	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	6286.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.95
10-20	515.45
20-30	810.65
30-40	1019.77
40-50	1109.25
50-60	1061.27
60-70	873.61
70-80	554.53
80-90	166.24
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

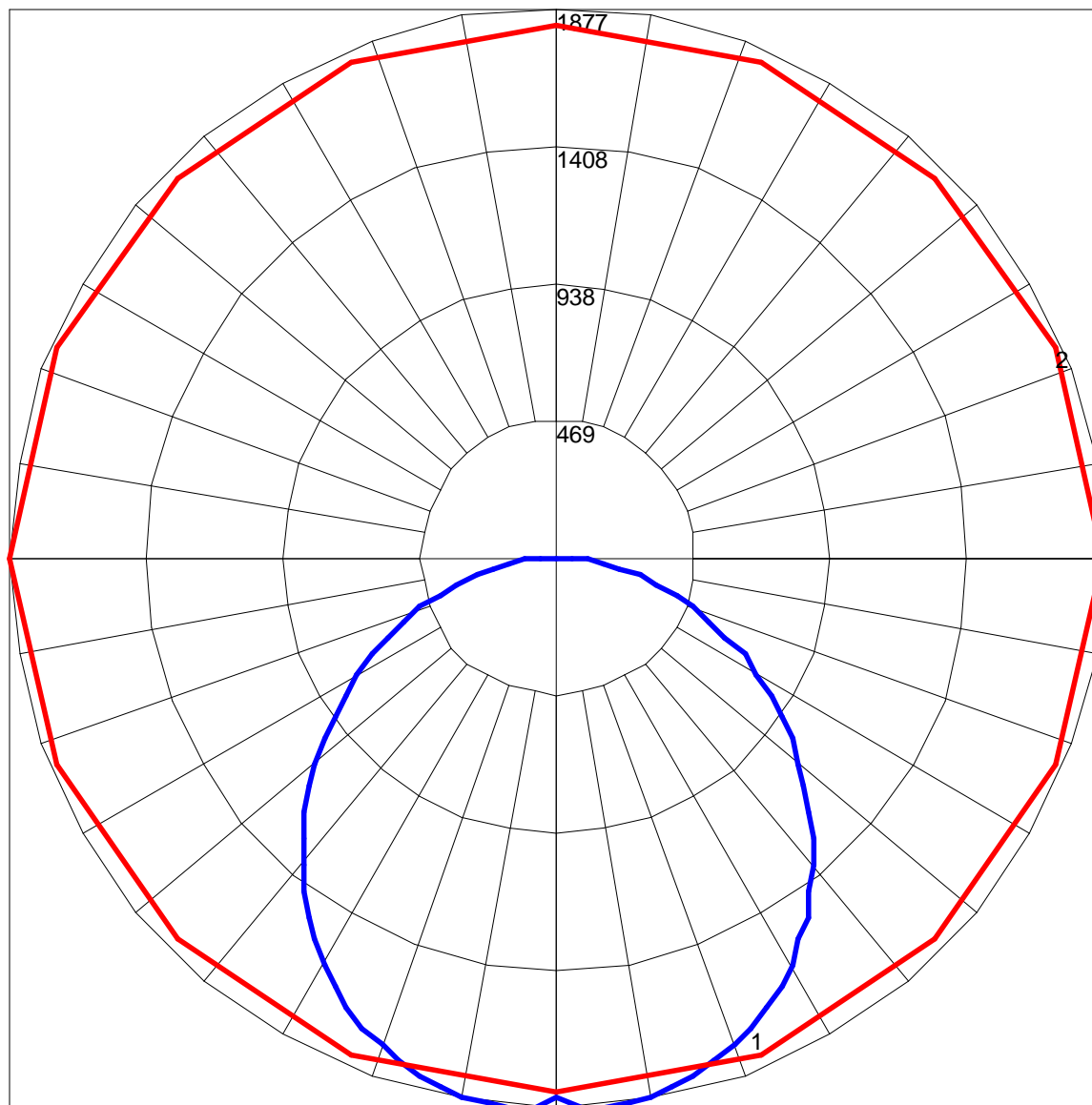
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1876.858 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.)