



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-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-65L-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	6927
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
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	5147	6074	6807
55	4838	6187	7297
65	4500	6265	7794
75	4078	6258	7558
85	3550	5637	5220

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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	2027.274	2027.274	2027.274	2027.274	2027.274
2.5	2067.887	2044.196	2030.658	2013.736	2003.583
5.0	2067.887	2044.196	2030.658	2017.120	2010.351
7.5	2061.118	2040.811	2030.658	2020.505	2010.351
10.0	2050.965	2030.658	2027.274	2020.505	2010.351
12.5	2030.658	2013.736	2013.736	2017.120	2010.351
15.0	2010.351	1996.814	2006.967	2013.736	2017.120
17.5	1983.276	1976.507	1993.429	2013.736	2013.736
20.0	1949.432	1949.432	1976.507	2010.351	2013.736
22.5	1912.203	1915.587	1956.201	2000.198	2003.583
25.0	1874.974	1881.743	1939.278	1990.045	2000.198
27.5	1820.823	1844.514	1908.818	1973.123	1993.429
30.0	1763.288	1797.132	1878.359	1956.201	1976.507
32.5	1705.753	1742.981	1844.514	1932.509	1962.969
35.0	1644.833	1688.831	1800.517	1905.434	1932.509
37.5	1573.760	1624.526	1756.519	1871.590	1905.434
40.0	1495.918	1560.222	1705.753	1834.361	1871.590
42.5	1428.229	1489.149	1654.986	1793.748	1837.745
45.0	1353.772	1421.461	1597.451	1746.366	1790.363
47.5	1272.546	1350.388	1533.147	1698.984	1742.981
50.0	1194.704	1275.930	1465.458	1638.064	1692.215
52.5	1113.477	1198.088	1394.385	1570.375	1624.526
55.0	1032.251	1116.862	1319.928	1499.302	1556.838
57.5	954.409	1035.636	1242.086	1428.229	1485.765
60.0	876.567	951.025	1160.859	1347.003	1404.538
62.5	791.957	866.414	1076.249	1262.392	1319.928
65.0	707.346	778.419	984.869	1171.013	1225.164
67.5	626.120	693.808	890.105	1069.480	1116.862
70.0	544.893	605.813	795.341	961.178	995.022
72.5	470.436	524.587	703.961	846.107	869.798
75.0	392.594	443.360	602.429	720.884	727.652
77.5	318.136	365.518	500.896	578.738	578.738
80.0	243.679	287.677	395.978	443.360	436.591
82.5	182.759	209.835	291.061	307.983	294.445
85.0	115.071	138.762	182.759	175.990	169.221
87.5	57.535	71.073	77.842	64.304	60.920
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	761.77	N.A.	11.00
0-30	1654.93	N.A.	23.90
0-40	2778.5	N.A.	40.10
0-60	5169.94	N.A.	74.60
0-80	6743.43	N.A.	97.40
0-90	6926.59	N.A.	100.00
10-90	6732.73	N.A.	97.20
20-40	2016.73	N.A.	29.10
20-50	3238.88	N.A.	46.80
40-70	3353.97	N.A.	48.40
60-80	1573.49	N.A.	22.70
70-80	610.97	N.A.	8.80
80-90	183.16	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	6926.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.86
10-20	567.91
20-30	893.16
30-40	1123.57
40-50	1222.15
50-60	1169.29
60-70	962.52
70-80	610.97
80-90	183.16
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

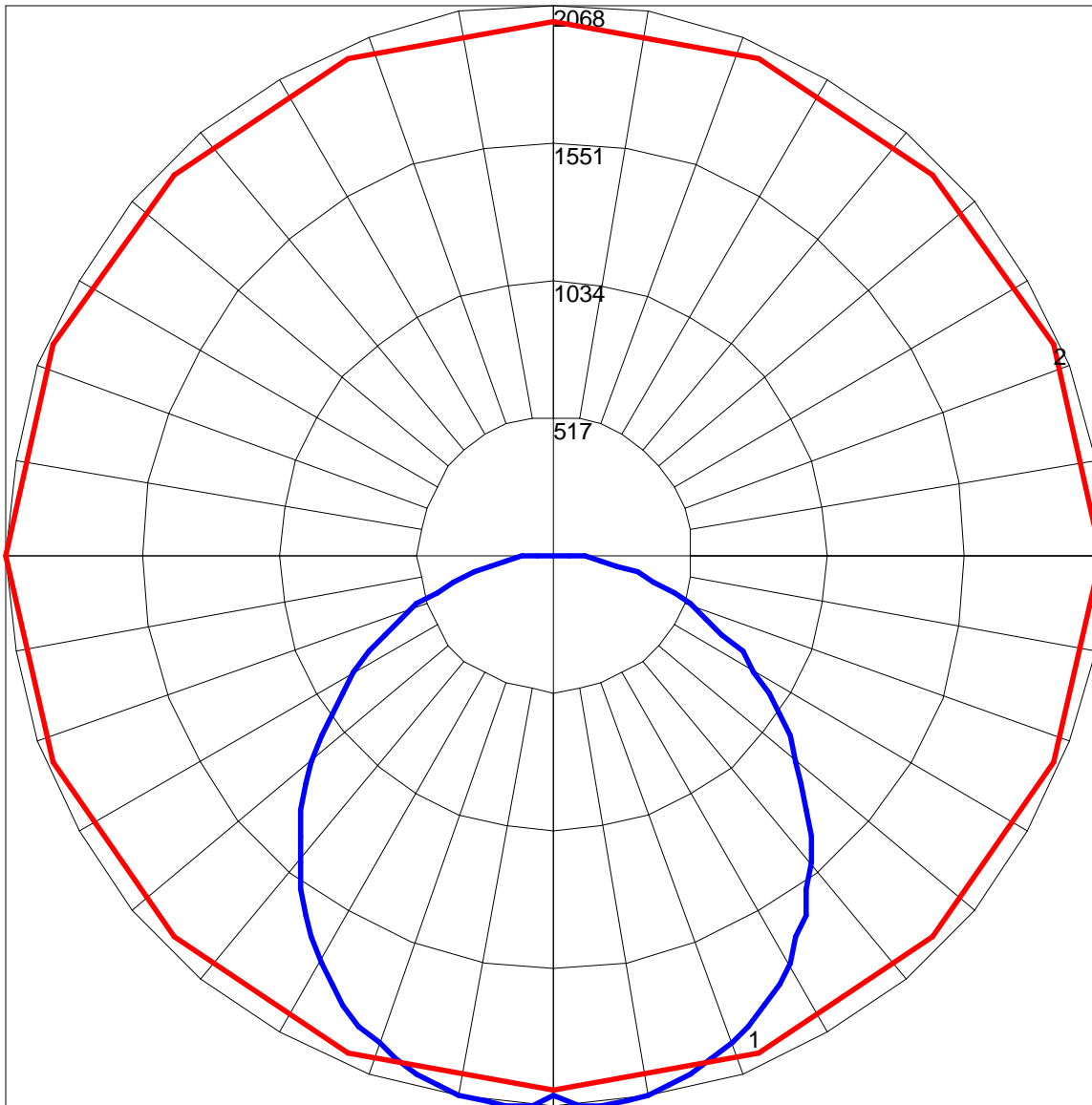
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2067.887 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.)