



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-65L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-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	7020
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	49.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2495	3002	3420
55	2346	3109	3772
65	2165	3237	4271
75	1944	3511	5139
85	1696	4113	5304

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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	1953.826	1953.826	1953.826	1953.826	1953.826
2.5	1993.181	1970.031	1956.141	1937.622	1926.047
5.0	1990.866	1970.031	1956.141	1944.566	1932.992
7.5	1986.236	1967.716	1956.141	1944.566	1932.992
10.0	1972.346	1956.141	1951.511	1944.566	1935.307
12.5	1958.456	1942.251	1944.566	1942.251	1939.936
15.0	1937.622	1928.362	1935.307	1946.881	1944.566
17.5	1907.527	1902.897	1923.732	1944.566	1946.881
20.0	1882.062	1882.062	1912.157	1942.251	1949.196
22.5	1842.708	1851.968	1895.952	1937.622	1946.881
25.0	1801.039	1814.929	1875.118	1928.362	1942.251
27.5	1747.795	1773.259	1849.653	1914.472	1932.992
30.0	1696.866	1729.275	1819.559	1900.582	1923.732
32.5	1641.307	1678.346	1787.149	1882.062	1907.527
35.0	1581.118	1625.102	1750.110	1861.228	1889.007
37.5	1513.984	1569.543	1713.070	1838.078	1872.803
40.0	1446.850	1509.354	1664.456	1803.354	1845.023
42.5	1379.716	1446.850	1620.472	1773.259	1817.244
45.0	1298.693	1377.401	1562.598	1731.590	1780.204
47.5	1222.299	1303.322	1504.724	1687.606	1740.850
50.0	1150.535	1233.874	1446.850	1641.307	1699.181
52.5	1071.826	1159.795	1382.031	1588.063	1655.196
55.0	990.803	1078.771	1312.582	1527.874	1592.692
57.5	914.409	1004.693	1243.134	1467.685	1537.133
60.0	838.016	925.984	1169.055	1400.551	1472.315
62.5	759.307	842.645	1090.346	1328.787	1402.866
65.0	673.653	759.307	1007.008	1252.393	1328.787
67.5	597.260	675.968	923.669	1171.370	1247.763
70.0	518.551	594.945	840.330	1090.346	1169.055
72.5	444.472	516.236	754.677	1002.378	1076.456
75.0	370.394	439.842	669.023	902.834	979.228
77.5	296.315	361.134	576.425	794.031	854.220
80.0	231.496	289.370	481.512	671.338	722.268
82.5	168.992	217.606	377.338	525.496	553.275
85.0	108.803	150.472	263.905	340.299	340.299
87.5	57.874	78.709	125.008	171.307	175.937
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	734.60	N.A.	10.50
0-30	1598.35	N.A.	22.80
0-40	2689.84	N.A.	38.30
0-60	5054.92	N.A.	72.00
0-80	6753.81	N.A.	96.20
0-90	7019.96	N.A.	100.00
10-90	6833.26	N.A.	97.30
20-40	1955.25	N.A.	27.90
20-50	3153.87	N.A.	44.90
40-70	3359.77	N.A.	47.90
60-80	1698.89	N.A.	24.20
70-80	704.19	N.A.	10.00
80-90	266.15	N.A.	3.80
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	7019.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.70
10-20	547.90
20-30	863.75
30-40	1091.5
40-50	1198.62
50-60	1166.45
60-70	994.70
70-80	704.19
80-90	266.15
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

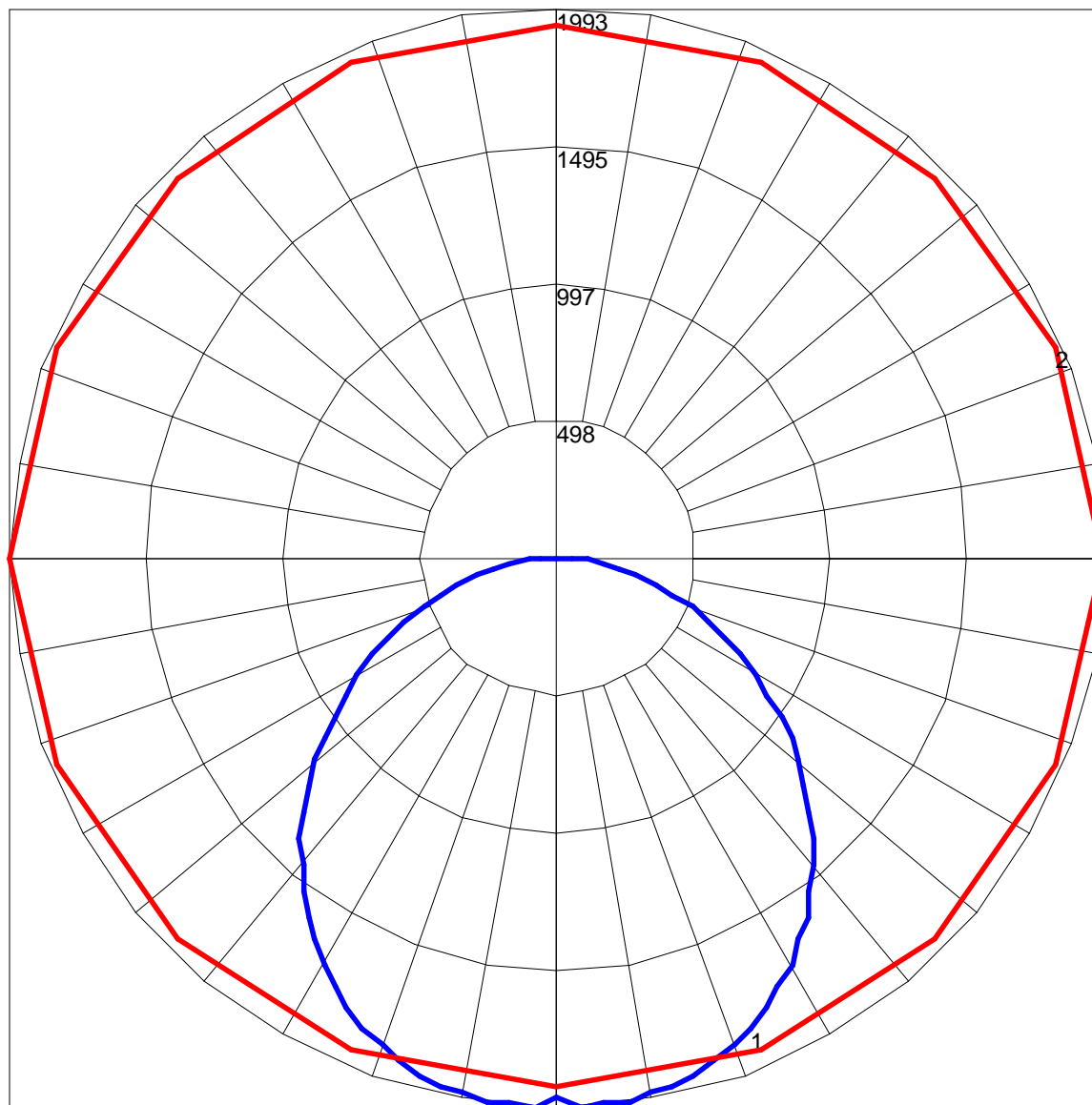
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1993.181 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.)