



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-65L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-65L-30
[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	6323
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	2247	2704	3080
55	2114	2800	3397
65	1950	2915	3847
75	1751	3163	4629
85	1527	3705	4777

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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	1759.833	1759.833	1759.833	1759.833	1759.833
2.5	1795.280	1774.429	1761.918	1745.237	1734.811
5.0	1793.195	1774.429	1761.918	1751.492	1741.067
7.5	1789.024	1772.343	1761.918	1751.492	1741.067
10.0	1776.514	1761.918	1757.748	1751.492	1743.152
12.5	1764.003	1749.407	1751.492	1749.407	1747.322
15.0	1745.237	1736.897	1743.152	1753.577	1751.492
17.5	1718.131	1713.960	1732.726	1751.492	1753.577
20.0	1695.194	1695.194	1722.301	1749.407	1755.663
22.5	1659.748	1668.088	1707.705	1745.237	1753.577
25.0	1622.216	1634.726	1688.939	1736.897	1749.407
27.5	1574.258	1597.194	1666.003	1724.386	1741.067
30.0	1528.386	1557.577	1638.896	1711.875	1732.726
32.5	1478.343	1511.705	1609.705	1695.194	1718.131
35.0	1424.130	1463.747	1576.343	1676.428	1701.450
37.5	1363.662	1413.705	1542.981	1655.577	1686.854
40.0	1303.194	1359.492	1499.194	1624.301	1661.833
42.5	1242.726	1303.194	1459.577	1597.194	1636.811
45.0	1169.747	1240.640	1407.449	1559.662	1603.450
47.5	1100.938	1173.917	1355.321	1520.045	1568.003
50.0	1036.300	1111.364	1303.194	1478.343	1530.471
52.5	965.406	1044.640	1244.811	1430.385	1490.854
55.0	892.427	971.661	1182.257	1376.173	1434.556
57.5	823.618	904.938	1119.704	1321.960	1384.513
60.0	754.810	834.044	1052.981	1261.492	1326.130
62.5	683.916	758.980	982.087	1196.853	1263.577
65.0	606.767	683.916	907.023	1128.044	1196.853
67.5	537.958	608.852	831.959	1055.066	1123.874
70.0	467.065	535.873	756.895	982.087	1052.981
72.5	400.341	464.980	679.746	902.853	969.576
75.0	333.618	396.171	602.597	813.193	882.002
77.5	266.894	325.277	519.192	715.193	769.406
80.0	208.511	260.639	433.703	604.682	650.554
82.5	152.213	196.000	339.873	473.320	498.341
85.0	98.000	135.532	237.703	306.511	306.511
87.5	52.128	70.894	112.596	154.298	158.468
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	661.66	N.A.	10.50
0-30	1439.65	N.A.	22.80
0-40	2422.77	N.A.	38.30
0-60	4553.02	N.A.	72.00
0-80	6083.23	N.A.	96.20
0-90	6322.95	N.A.	100.00
10-90	6154.79	N.A.	97.30
20-40	1761.11	N.A.	27.90
20-50	2840.73	N.A.	44.90
40-70	3026.19	N.A.	47.90
60-80	1530.21	N.A.	24.20
70-80	634.27	N.A.	10.00
80-90	239.73	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	6322.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.16
10-20	493.50
20-30	777.99
30-40	983.12
40-50	1079.61
50-60	1050.63
60-70	895.94
70-80	634.27
80-90	239.73
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

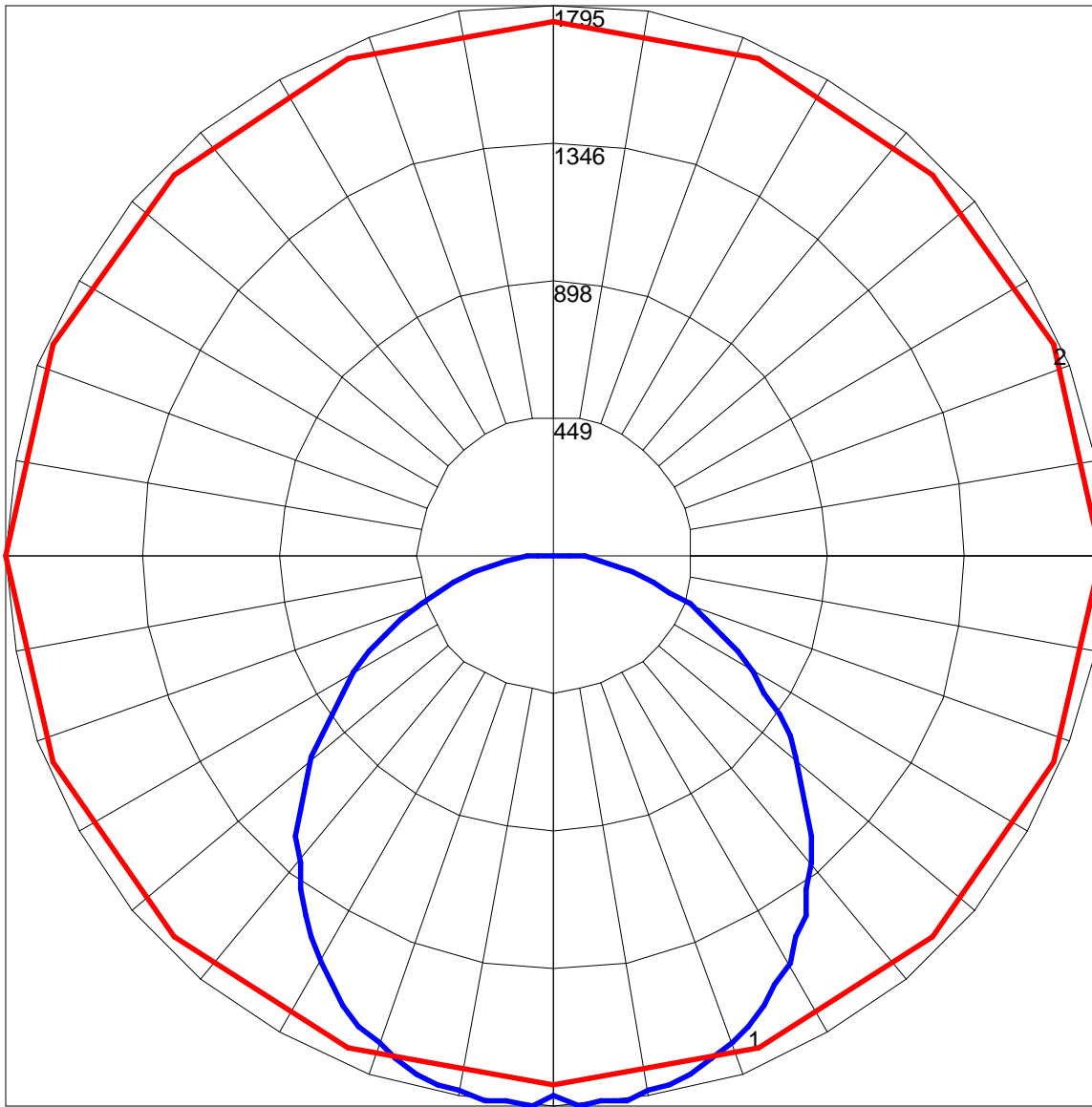
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1795.28 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.)