



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-65L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 08/18/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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	6345
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	4715	5563	6235
55	4432	5667	6684
65	4122	5739	7139
75	3735	5732	6923
85	3251	5164	4781

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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	1856.972	1856.972	1856.972	1856.972	1856.972
2.5	1894.173	1872.473	1860.072	1844.571	1835.271
5.0	1894.173	1872.473	1860.072	1847.672	1841.471
7.5	1887.973	1869.372	1860.072	1850.772	1841.471
10.0	1878.673	1860.072	1856.972	1850.772	1841.471
12.5	1860.072	1844.571	1844.571	1847.672	1841.471
15.0	1841.471	1829.071	1838.371	1844.571	1847.672
17.5	1816.670	1810.470	1825.971	1844.571	1844.571
20.0	1785.669	1785.669	1810.470	1841.471	1844.571
22.5	1751.568	1754.668	1791.869	1832.171	1835.271
25.0	1717.467	1723.667	1776.369	1822.871	1832.171
27.5	1667.865	1689.565	1748.468	1807.370	1825.971
30.0	1615.163	1646.164	1720.567	1791.869	1810.470
32.5	1562.461	1596.562	1689.565	1770.169	1798.070
35.0	1506.658	1546.960	1649.264	1745.368	1770.169
37.5	1441.556	1488.058	1608.962	1714.366	1745.368
40.0	1370.253	1429.155	1562.461	1680.265	1714.366
42.5	1308.251	1364.053	1515.959	1643.064	1683.365
45.0	1240.048	1302.050	1463.257	1599.662	1639.964
47.5	1165.645	1236.948	1404.354	1556.260	1596.562
50.0	1094.342	1168.745	1342.352	1500.458	1550.060
52.5	1019.940	1097.443	1277.249	1438.456	1488.058
55.0	945.537	1023.040	1209.047	1373.353	1426.055
57.5	874.234	948.637	1137.744	1308.251	1360.953
60.0	802.931	871.134	1063.341	1233.848	1286.550
62.5	725.428	793.631	985.838	1156.345	1209.047
65.0	647.925	713.028	902.135	1072.642	1122.243
67.5	573.522	635.525	815.332	979.638	1023.040
70.0	499.119	554.921	728.528	880.434	911.435
72.5	430.917	480.519	644.825	775.030	796.731
75.0	359.614	406.116	551.821	660.326	666.526
77.5	291.411	334.813	458.818	530.121	530.121
80.0	223.209	263.510	362.714	406.116	399.915
82.5	167.406	192.207	266.610	282.111	269.710
85.0	105.404	127.105	167.406	161.206	155.006
87.5	52.702	65.103	71.303	58.902	55.802
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	697.78	N.A.	11.00
0-30	1515.91	N.A.	23.90
0-40	2545.09	N.A.	40.10
0-60	4735.64	N.A.	74.60
0-80	6176.95	N.A.	97.40
0-90	6344.72	N.A.	100.00
10-90	6167.14	N.A.	97.20
20-40	1847.31	N.A.	29.10
20-50	2966.8	N.A.	46.80
40-70	3072.22	N.A.	48.40
60-80	1441.31	N.A.	22.70
70-80	559.64	N.A.	8.80
80-90	167.77	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	6344.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.57
10-20	520.20
20-30	818.13
30-40	1029.18
40-50	1119.48
50-60	1071.06
60-70	881.67
70-80	559.64
80-90	167.77
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

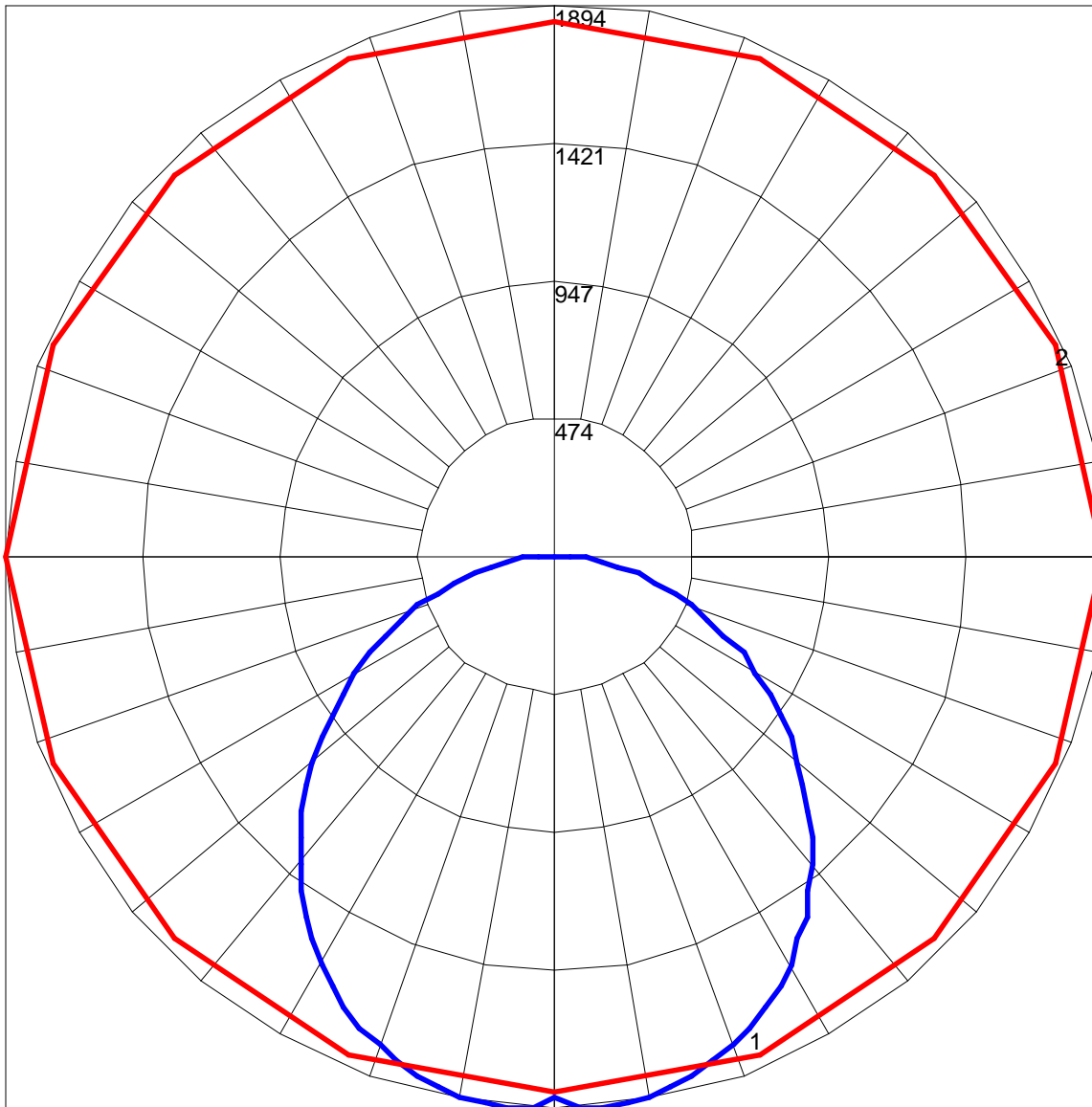
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1894.173 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.)