



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-65L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-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	6683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	53.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4703	5656	6522
55	4314	5783	7174
65	3903	5876	8016
75	3324	6202	9663
85	2544	6716	11091

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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	1949.490	1949.490	1949.490	1949.490	1949.490
2.5	1985.775	1972.581	1949.490	1932.997	1923.101
5.0	1985.775	1969.282	1952.789	1932.997	1923.101
7.5	1975.879	1962.685	1946.192	1936.296	1926.400
10.0	1962.685	1952.789	1942.893	1936.296	1932.997
12.5	1942.893	1936.296	1932.997	1929.699	1932.997
15.0	1923.101	1923.101	1926.400	1932.997	1929.699
17.5	1893.414	1896.712	1909.907	1923.101	1926.400
20.0	1860.427	1870.323	1893.414	1919.803	1926.400
22.5	1820.844	1834.038	1870.323	1906.608	1916.504
25.0	1777.962	1794.455	1843.934	1893.414	1909.907
27.5	1725.183	1751.573	1817.545	1880.219	1900.011
30.0	1665.808	1698.794	1777.962	1857.129	1883.518
32.5	1603.134	1642.718	1741.677	1830.740	1867.025
35.0	1540.460	1586.641	1698.794	1807.649	1843.934
37.5	1467.890	1520.668	1649.315	1771.364	1817.545
40.0	1392.022	1454.696	1599.836	1735.079	1784.559
42.5	1316.153	1385.425	1547.057	1695.496	1748.274
45.0	1236.986	1312.855	1487.682	1649.315	1715.288
47.5	1164.416	1236.986	1428.307	1606.433	1675.704
50.0	1085.249	1161.118	1362.334	1556.953	1629.523
52.5	1002.784	1085.249	1299.660	1507.474	1576.745
55.0	920.318	1009.381	1233.688	1448.099	1530.564
57.5	844.449	930.214	1157.819	1385.425	1474.488
60.0	761.984	847.748	1085.249	1316.153	1405.216
62.5	689.414	771.879	1009.381	1253.479	1339.244
65.0	613.545	689.414	923.616	1174.312	1260.077
67.5	537.677	610.247	847.748	1095.145	1190.805
70.0	461.808	531.079	761.984	1015.978	1108.340
72.5	392.537	455.211	679.518	933.512	1029.173
75.0	319.967	382.641	597.052	841.151	930.214
77.5	253.995	310.071	507.989	735.594	827.956
80.0	194.619	244.099	418.926	626.740	702.608
82.5	138.542	174.827	319.967	488.197	550.871
85.0	82.466	112.153	217.710	326.564	359.551
87.5	36.285	46.181	98.959	138.542	141.841
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	730.40	N.A.	10.90
0-30	1581.11	N.A.	23.70
0-40	2641.42	N.A.	39.50
0-60	4883.02	N.A.	73.10
0-80	6448.09	N.A.	96.50
0-90	6682.56	N.A.	100.00
10-90	6496.48	N.A.	97.20
20-40	1911.03	N.A.	28.60
20-50	3055.01	N.A.	45.70
40-70	3164.25	N.A.	47.40
60-80	1565.07	N.A.	23.40
70-80	642.42	N.A.	9.60
80-90	234.47	N.A.	3.50
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	6682.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.08
10-20	544.31
20-30	850.71
30-40	1060.31
40-50	1143.98
50-60	1097.61
60-70	922.65
70-80	642.42
80-90	234.47
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

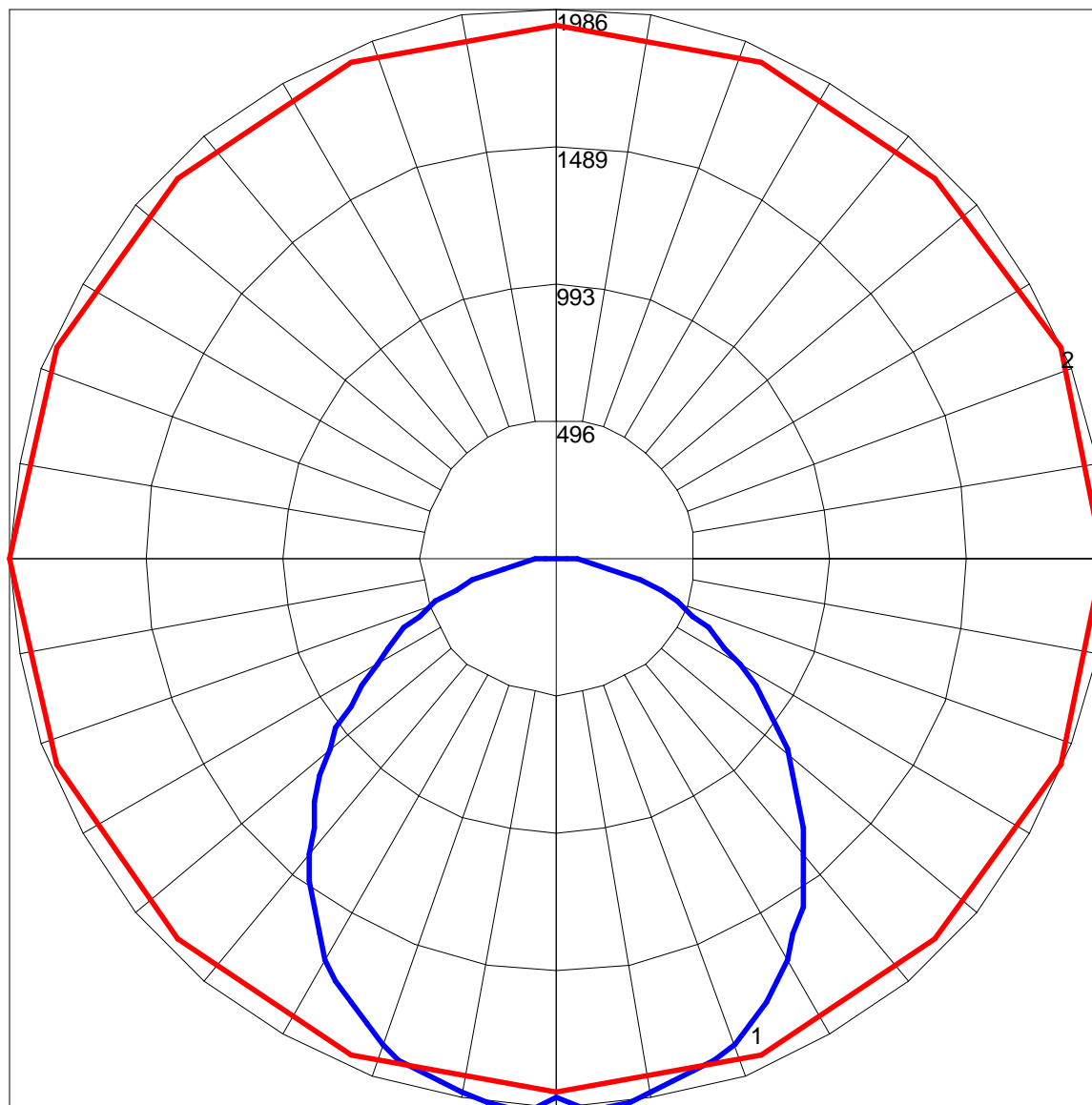
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1985.775 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.)