



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-85L-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-85L-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 SOURCE TYPE] LED

[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8315
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	64.3
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	2955	3556	4051
55	2779	3682	4468
65	2565	3834	5059
75	2303	4159	6088
85	2009	4872	6282

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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	2314.332	2314.332	2314.332	2314.332	2314.332
2.5	2360.948	2333.527	2317.075	2295.138	2281.427
5.0	2358.206	2333.527	2317.075	2303.364	2289.654
7.5	2352.722	2330.785	2317.075	2303.364	2289.654
10.0	2336.269	2317.075	2311.590	2303.364	2292.396
12.5	2319.817	2300.622	2303.364	2300.622	2297.880
15.0	2295.138	2284.169	2292.396	2306.106	2303.364
17.5	2259.490	2254.006	2278.685	2303.364	2306.106
20.0	2229.327	2229.327	2264.975	2300.622	2308.848
22.5	2182.712	2193.680	2245.780	2295.138	2306.106
25.0	2133.354	2149.806	2221.101	2284.169	2300.622
27.5	2070.286	2100.449	2190.938	2267.717	2289.654
30.0	2009.959	2048.349	2155.291	2251.264	2278.685
32.5	1944.149	1988.023	2116.901	2229.327	2259.490
35.0	1872.854	1924.954	2073.028	2204.648	2237.554
37.5	1793.333	1859.144	2029.154	2177.227	2218.359
40.0	1713.813	1787.849	1971.570	2136.096	2185.454
42.5	1634.292	1713.813	1919.470	2100.449	2152.549
45.0	1538.318	1631.550	1850.918	2051.091	2108.675
47.5	1447.829	1543.802	1782.365	1998.991	2062.059
50.0	1362.824	1461.539	1713.813	1944.149	2012.701
52.5	1269.592	1373.792	1637.034	1881.081	1960.602
55.0	1173.619	1277.819	1554.771	1809.786	1886.565
57.5	1083.130	1190.071	1472.508	1738.491	1820.754
60.0	992.640	1096.840	1384.761	1658.971	1743.976
62.5	899.409	998.124	1291.529	1573.965	1661.713
65.0	797.951	899.409	1192.814	1483.476	1573.965
67.5	707.462	800.693	1094.098	1387.503	1477.992
70.0	614.230	704.720	995.382	1291.529	1384.761
72.5	526.483	611.488	893.925	1187.329	1275.077
75.0	438.736	520.999	792.467	1069.419	1159.908
77.5	350.989	427.768	682.783	940.540	1011.835
80.0	274.210	342.763	570.357	795.209	855.535
82.5	200.173	257.757	446.962	622.457	655.362
85.0	128.879	178.237	312.599	403.089	403.089
87.5	68.553	93.231	148.073	202.915	208.400
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	870.14	N.A.	10.50
0-30	1893.26	N.A.	22.80
0-40	3186.16	N.A.	38.30
0-60	5987.61	N.A.	72.00
0-80	7999.97	N.A.	96.20
0-90	8315.23	N.A.	100.00
10-90	8094.09	N.A.	97.30
20-40	2316.02	N.A.	27.90
20-50	3735.8	N.A.	44.90
40-70	3979.7	N.A.	47.90
60-80	2012.36	N.A.	24.20
70-80	834.12	N.A.	10.00
80-90	315.26	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	8315.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.15
10-20	648.99
20-30	1023.13
30-40	1292.89
40-50	1419.79
50-60	1381.67
60-70	1178.24
70-80	834.12
80-90	315.26
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

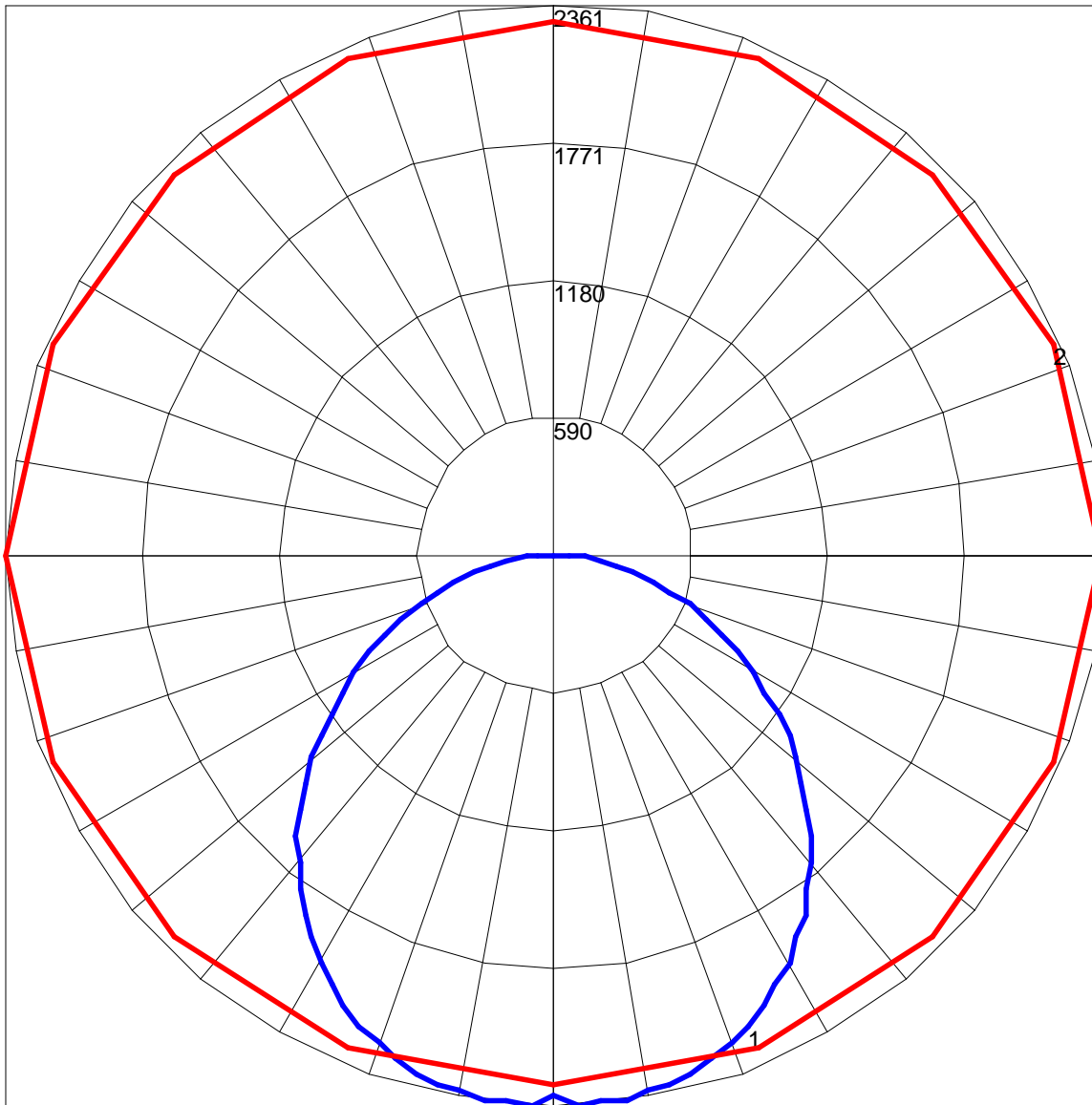
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2360.948 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.)