



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-80L-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-80L-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	7833
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	63.4
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	2784	3350	3816
55	2618	3469	4209
65	2416	3612	4766
75	2169	3918	5735
85	1892	4590	5918

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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	2180.162	2180.162	2180.162	2180.162	2180.162
2.5	2224.075	2198.244	2182.745	2162.080	2149.164
5.0	2221.492	2198.244	2182.745	2169.829	2156.913
7.5	2216.325	2195.660	2182.745	2169.829	2156.913
10.0	2200.827	2182.745	2177.578	2169.829	2159.497
12.5	2185.328	2167.246	2169.829	2167.246	2164.663
15.0	2162.080	2151.747	2159.497	2172.412	2169.829
17.5	2128.499	2123.333	2146.581	2169.829	2172.412
20.0	2100.085	2100.085	2133.665	2167.246	2174.995
22.5	2056.171	2066.504	2115.583	2162.080	2172.412
25.0	2009.675	2025.174	2092.335	2151.747	2167.246
27.5	1950.263	1978.677	2063.921	2136.248	2156.913
30.0	1893.434	1929.598	2030.340	2120.750	2146.581
32.5	1831.439	1872.769	1994.176	2100.085	2128.499
35.0	1764.278	1813.357	1952.846	2076.836	2107.834
37.5	1689.367	1751.362	1911.516	2051.005	2089.752
40.0	1614.456	1684.201	1857.270	2012.258	2058.755
42.5	1539.545	1614.456	1808.191	1978.677	2027.757
45.0	1449.136	1536.962	1743.613	1932.181	1986.427
47.5	1363.893	1454.302	1679.034	1883.102	1942.514
50.0	1283.816	1376.808	1614.456	1831.439	1896.017
52.5	1195.989	1294.148	1542.129	1772.027	1846.938
55.0	1105.580	1203.739	1464.635	1704.866	1777.193
57.5	1020.336	1121.078	1387.141	1637.704	1715.198
60.0	935.093	1033.252	1304.481	1562.794	1642.871
62.5	847.267	940.259	1216.654	1482.717	1565.377
65.0	751.691	847.267	1123.661	1397.473	1482.717
67.5	666.448	754.274	1030.669	1307.064	1392.307
70.0	578.621	663.864	937.676	1216.654	1304.481
72.5	495.961	576.038	842.100	1118.495	1201.155
75.0	413.301	490.795	746.525	1007.421	1092.664
77.5	330.641	402.968	643.199	886.014	953.175
80.0	258.313	322.891	537.291	749.108	805.937
82.5	188.568	242.814	421.050	586.370	617.368
85.0	121.407	167.903	294.477	379.720	379.720
87.5	64.578	87.826	139.489	191.152	196.318
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	819.69	N.A.	10.50
0-30	1783.5	N.A.	22.80
0-40	3001.44	N.A.	38.30
0-60	5640.49	N.A.	72.00
0-80	7536.18	N.A.	96.20
0-90	7833.17	N.A.	100.00
10-90	7624.84	N.A.	97.30
20-40	2181.75	N.A.	27.90
20-50	3519.22	N.A.	44.90
40-70	3748.98	N.A.	47.90
60-80	1895.69	N.A.	24.20
70-80	785.76	N.A.	10.00
80-90	296.98	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	7833.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	208.32
10-20	611.37
20-30	963.81
30-40	1217.94
40-50	1337.47
50-60	1301.57
60-70	1109.93
70-80	785.76
80-90	296.98
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

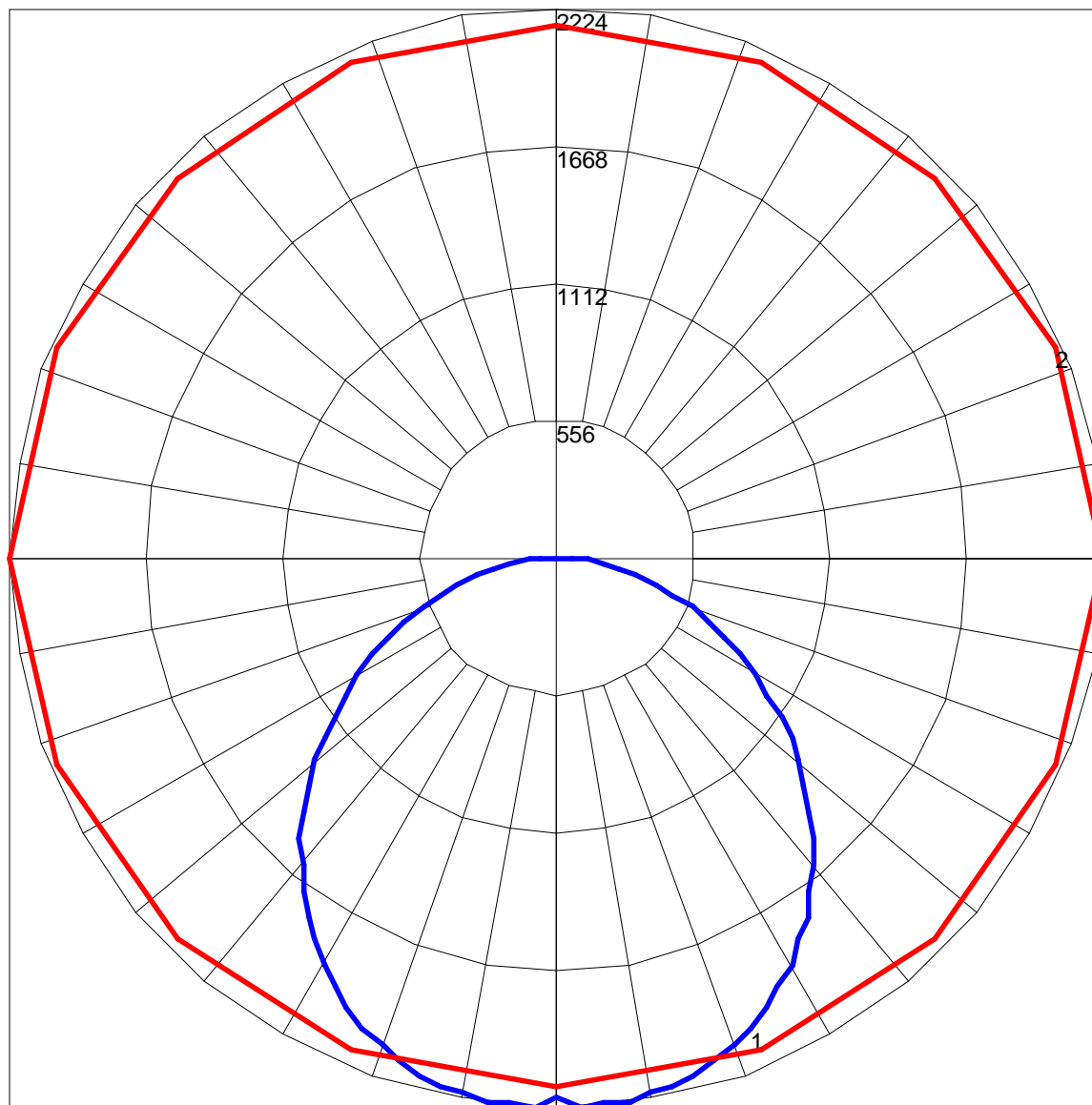
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2224.075 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.)