



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-80L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8897  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/15/17  
[TEST DATE]05/15/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-80L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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)	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	2848	3424	3893
55	2676	3544	4293
65	2471	3677	4847
75	2192	3989	5765
85	1897	4704	6478

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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	2255	2255	2255	2255	2255
2.5	2301	2274	2256	2238	2226
5.0	2302	2276	2260	2243	2229
7.5	2294	2271	2258	2246	2233
10.0	2281	2260	2253	2245	2238
12.5	2263	2245	2246	2248	2241
15.0	2239	2226	2238	2248	2246
17.5	2208	2199	2224	2245	2246
20.0	2169	2169	2206	2241	2245
22.5	2125	2134	2186	2233	2244
25.0	2078	2095	2162	2224	2240
27.5	2022	2050	2135	2211	2232
30.0	1961	1997	2101	2193	2219
32.5	1893	1940	2063	2170	2201
35.0	1823	1879	2020	2145	2179
37.5	1747	1810	1972	2114	2154
40.0	1668	1740	1918	2078	2124
42.5	1582	1665	1862	2038	2088
45.0	1498	1585	1801	1993	2048
47.5	1408	1504	1735	1941	2003
50.0	1321	1420	1665	1887	1956
52.5	1231	1333	1589	1824	1895
55.0	1142	1246	1512	1756	1832
57.5	1053	1156	1429	1682	1764
60.0	963	1062	1342	1605	1689
62.5	873	971	1252	1524	1611
65.0	777	874	1156	1436	1524
67.5	683	776	1062	1343	1432
70.0	595	684	964	1248	1340
72.5	508	592	867	1148	1234
75.0	422	503	768	1037	1110
77.5	341	417	667	907	984
80.0	265	331	553	774	840
82.5	191	252	433	618	659
85.0	123	169	305	415	420
87.5	63	91	146	162	157
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	848.45	N.A.	10.50
0-30	1845.1	N.A.	22.80
0-40	3103.84	N.A.	38.40
0-60	5824.14	N.A.	72.10
0-80	7773.86	N.A.	96.20
0-90	8080.16	N.A.	100.00
10-90	7864.58	N.A.	97.30
20-40	2255.39	N.A.	27.90
20-50	3635.01	N.A.	45.00
40-70	3862.15	N.A.	47.80
60-80	1949.73	N.A.	24.10
70-80	807.87	N.A.	10.00
80-90	306.30	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	8080.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	215.59
10-20	632.86
20-30	996.65
30-40	1258.74
40-50	1379.62
50-60	1340.68
60-70	1141.85
70-80	807.87
80-90	306.30
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

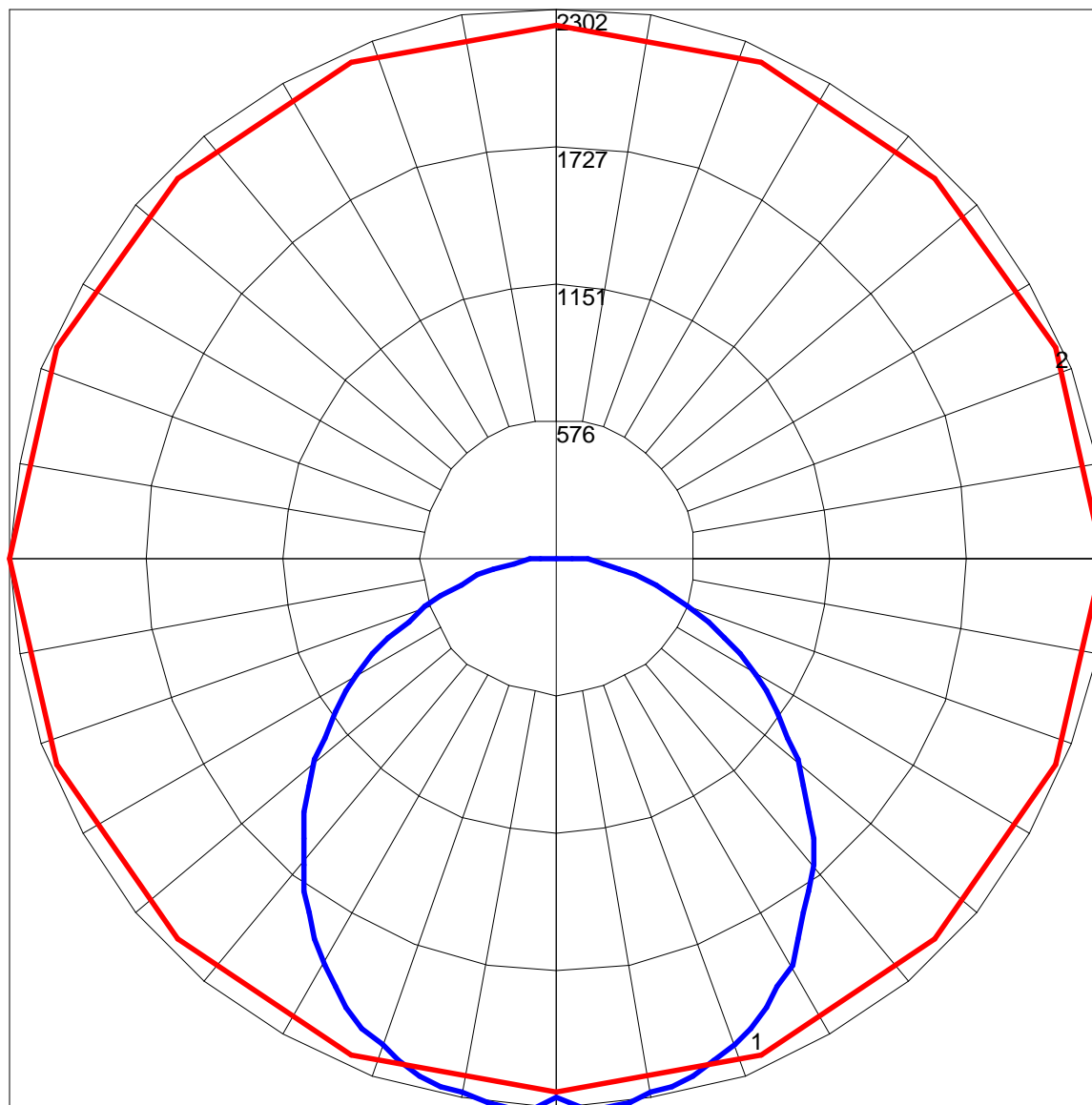
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	97	87	80	73	94	85	78	73	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	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	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	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 = 2302 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)