



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-80L-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8934

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 05/24/17

[TEST DATE] 05/24/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPEC14-LED-80L-40

[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	63.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
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	5874	6946	7794
55	5540	7106	8423
65	5191	7246	8989
75	4622	7323	9141
85	4288	7002	6354

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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>
<b>0.0</b>	2305	2305	2305	2305	2305
<b>2.5</b>	2349	2323	2305	2290	2277
<b>5.0</b>	2348	2323	2307	2291	2280
<b>7.5</b>	2341	2317	2305	2293	2283
<b>10.0</b>	2329	2309	2301	2295	2287
<b>12.5</b>	2312	2294	2293	2295	2290
<b>15.0</b>	2287	2273	2283	2293	2292
<b>17.5</b>	2257	2248	2268	2290	2292
<b>20.0</b>	2221	2218	2251	2285	2290
<b>22.5</b>	2180	2183	2231	2278	2288
<b>25.0</b>	2126	2142	2205	2265	2280
<b>27.5</b>	2071	2095	2177	2251	2270
<b>30.0</b>	2008	2042	2143	2232	2256
<b>32.5</b>	1941	1983	2103	2207	2236
<b>35.0</b>	1869	1921	2057	2177	2210
<b>37.5</b>	1793	1854	2007	2141	2179
<b>40.0</b>	1713	1783	1952	2101	2143
<b>42.5</b>	1631	1707	1892	2053	2098
<b>45.0</b>	1545	1629	1827	2000	2050
<b>47.5</b>	1459	1548	1757	1943	1997
<b>50.0</b>	1366	1460	1680	1878	1936
<b>52.5</b>	1278	1367	1600	1809	1871
<b>55.0</b>	1182	1276	1516	1731	1797
<b>57.5</b>	1091	1184	1426	1648	1716
<b>60.0</b>	1000	1091	1334	1557	1623
<b>62.5</b>	908	995	1239	1461	1526
<b>65.0</b>	816	898	1139	1356	1413
<b>67.5</b>	724	800	1034	1243	1298
<b>70.0</b>	628	704	926	1124	1171
<b>72.5</b>	537	603	815	997	1032
<b>75.0</b>	445	508	705	856	880
<b>77.5</b>	362	419	590	708	718
<b>80.0</b>	282	331	473	551	540
<b>82.5</b>	209	248	354	383	371
<b>85.0</b>	139	167	227	223	206
<b>87.5</b>	71	90	103	89	81
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	866.33	N.A.	10.90
0-30	1883.47	N.A.	23.60
0-40	3165.75	N.A.	39.70
0-60	5907.86	N.A.	74.20
0-80	7739.51	N.A.	97.20
0-90	7964.33	N.A.	100.00
10-90	7744.16	N.A.	97.20
20-40	2299.42	N.A.	28.90
20-50	3698.41	N.A.	46.40
40-70	3855.03	N.A.	48.40
60-80	1831.65	N.A.	23.00
70-80	718.73	N.A.	9.00
80-90	224.82	N.A.	2.80
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	7964.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	220.17
10-20	646.16
20-30	1017.14
30-40	1282.28
40-50	1398.99
50-60	1343.12
60-70	1112.92
70-80	718.73
80-90	224.82
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

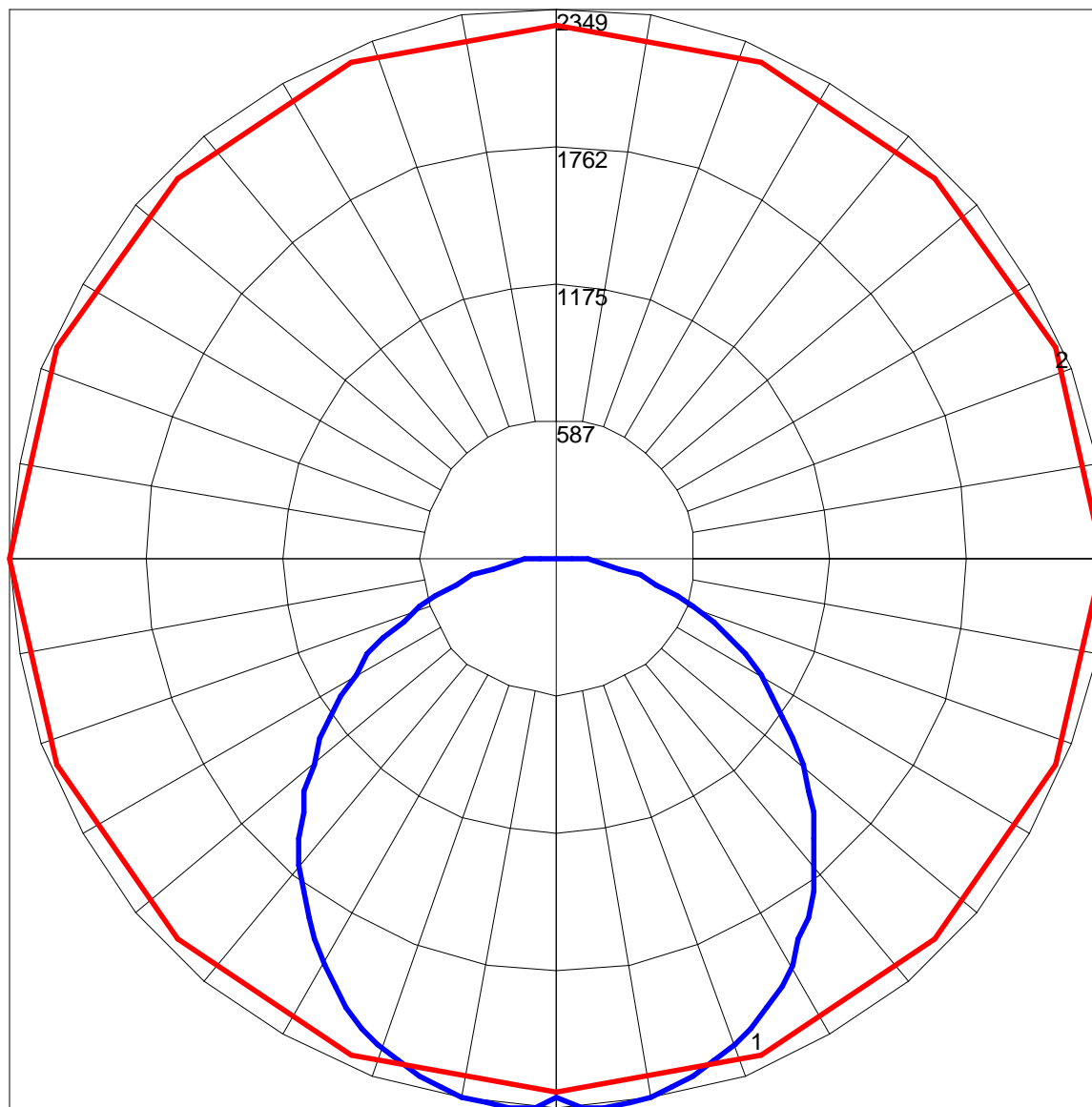
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2349 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.)