



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-80L-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUEDATE] 07/10/17  
[TESTDATE] 05/25/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-LED-80L-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	7647
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	63.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
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	5683	6706	7515
55	5342	6831	8057
65	4968	6917	8605
75	4502	6909	8345
85	3919	6224	5763

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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>	2238.247	2238.247	2238.247	2238.247	2238.247
<b>2.5</b>	2283.087	2256.931	2241.984	2223.301	2212.091
<b>5.0</b>	2283.087	2256.931	2241.984	2227.037	2219.564
<b>7.5</b>	2275.614	2253.194	2241.984	2230.774	2219.564
<b>10.0</b>	2264.404	2241.984	2238.247	2230.774	2219.564
<b>12.5</b>	2241.984	2223.301	2223.301	2227.037	2219.564
<b>15.0</b>	2219.564	2204.618	2215.828	2223.301	2227.037
<b>17.5</b>	2189.671	2182.198	2200.881	2223.301	2223.301
<b>20.0</b>	2152.305	2152.305	2182.198	2219.564	2223.301
<b>22.5</b>	2111.202	2114.938	2159.778	2208.354	2212.091
<b>25.0</b>	2070.099	2077.572	2141.095	2197.144	2208.354
<b>27.5</b>	2010.312	2036.469	2107.465	2178.461	2200.881
<b>30.0</b>	1946.789	1984.156	2073.835	2159.778	2182.198
<b>32.5</b>	1883.267	1924.370	2036.469	2133.621	2167.251
<b>35.0</b>	1816.007	1864.583	1987.892	2103.728	2133.621
<b>37.5</b>	1737.538	1793.587	1939.316	2066.362	2103.728
<b>40.0</b>	1651.595	1722.591	1883.267	2025.259	2066.362
<b>42.5</b>	1576.862	1644.122	1827.217	1980.419	2028.996
<b>45.0</b>	1494.656	1569.389	1763.694	1928.106	1976.683
<b>47.5</b>	1404.977	1490.919	1692.698	1875.793	1924.370
<b>50.0</b>	1319.034	1408.713	1617.965	1808.534	1868.320
<b>52.5</b>	1229.355	1322.771	1539.496	1733.801	1793.587
<b>55.0</b>	1139.675	1233.091	1457.290	1655.332	1718.854
<b>57.5</b>	1053.732	1143.412	1371.347	1576.862	1640.385
<b>60.0</b>	967.790	1049.996	1281.668	1487.183	1550.706
<b>62.5</b>	874.374	956.580	1188.252	1393.767	1457.290
<b>65.0</b>	780.958	859.427	1087.362	1292.877	1352.664
<b>67.5</b>	691.278	766.011	982.736	1180.778	1233.091
<b>70.0</b>	601.599	668.859	878.110	1061.206	1098.572
<b>72.5</b>	519.393	579.179	777.221	934.160	960.316
<b>75.0</b>	433.450	489.500	665.122	795.904	803.378
<b>77.5</b>	351.244	403.557	553.023	638.965	638.965
<b>80.0</b>	269.038	317.614	437.187	489.500	482.027
<b>82.5</b>	201.779	231.672	321.351	340.034	325.088
<b>85.0</b>	127.046	153.202	201.779	194.305	186.832
<b>87.5</b>	63.523	78.469	85.943	70.996	67.260
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	841.04	N.A.	11.00
0-30	1827.16	N.A.	23.90
0-40	3067.65	N.A.	40.10
0-60	5707.96	N.A.	74.60
0-80	7445.2	N.A.	97.40
0-90	7647.42	N.A.	100.00
10-90	7433.39	N.A.	97.20
20-40	2226.6	N.A.	29.10
20-50	3575.94	N.A.	46.80
40-70	3703.01	N.A.	48.40
60-80	1737.24	N.A.	22.70
70-80	674.55	N.A.	8.80
80-90	202.22	N.A.	2.60
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	7647.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	214.03
10-20	627.01
20-30	986.11
30-40	1240.49
40-50	1349.34
50-60	1290.98
60-70	1062.69
70-80	674.55
80-90	202.22
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

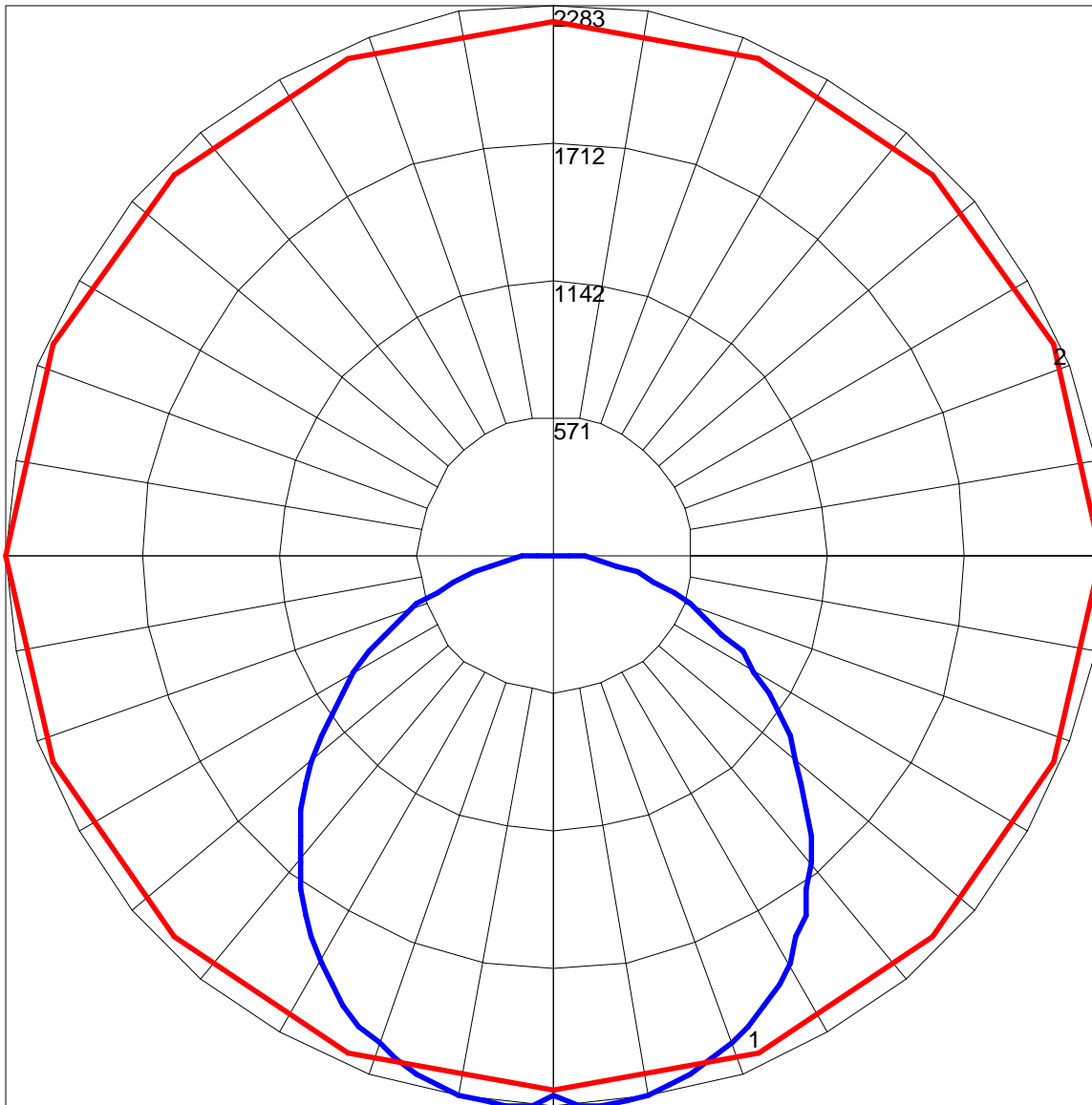
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2283.087 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.)