



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-80L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8833\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/10/17  
[TEST DATE]04/26/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC22-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\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8210
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	63.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	5778	6949	8013
55	5300	7105	8814
65	4795	7219	9849
75	4084	7620	11872
85	3125	8251	13627

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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>	2395.223	2395.223	2395.223	2395.223	2395.223
<b>2.5</b>	2439.804	2423.592	2395.223	2374.959	2362.800
<b>5.0</b>	2439.804	2419.540	2399.275	2374.959	2362.800
<b>7.5</b>	2427.645	2411.434	2391.170	2379.011	2366.853
<b>10.0</b>	2411.434	2399.275	2387.117	2379.011	2374.959
<b>12.5</b>	2387.117	2379.011	2374.959	2370.906	2374.959
<b>15.0</b>	2362.800	2362.800	2366.853	2374.959	2370.906
<b>17.5</b>	2326.325	2330.377	2346.589	2362.800	2366.853
<b>20.0</b>	2285.796	2297.955	2326.325	2358.747	2366.853
<b>22.5</b>	2237.162	2253.374	2297.955	2342.536	2354.694
<b>25.0</b>	2184.475	2204.740	2265.532	2326.325	2346.589
<b>27.5</b>	2119.630	2152.053	2233.109	2310.113	2334.430
<b>30.0</b>	2046.679	2087.208	2184.475	2281.743	2314.166
<b>32.5</b>	1969.675	2018.309	2139.894	2249.321	2293.902
<b>35.0</b>	1892.672	1949.411	2087.208	2220.951	2265.532
<b>37.5</b>	1803.509	1868.355	2026.415	2176.370	2233.109
<b>40.0</b>	1710.294	1787.298	1965.623	2131.789	2192.581
<b>42.5</b>	1617.079	1702.189	1900.777	2083.155	2148.000
<b>45.0</b>	1519.811	1613.026	1827.826	2026.415	2107.472
<b>47.5</b>	1430.649	1519.811	1754.875	1973.728	2058.838
<b>50.0</b>	1333.381	1426.596	1673.819	1912.936	2002.098
<b>52.5</b>	1232.060	1333.381	1596.815	1852.143	1937.253
<b>55.0</b>	1130.740	1240.166	1515.759	1779.192	1880.513
<b>57.5</b>	1037.525	1142.898	1422.543	1702.189	1811.615
<b>60.0</b>	936.204	1041.577	1333.381	1617.079	1726.506
<b>62.5</b>	847.042	948.362	1240.166	1540.075	1645.449
<b>65.0</b>	753.826	847.042	1134.792	1442.808	1548.181
<b>67.5</b>	660.611	749.774	1041.577	1345.540	1463.072
<b>70.0</b>	567.396	652.506	936.204	1248.272	1361.751
<b>72.5</b>	482.287	559.291	834.883	1146.951	1264.483
<b>75.0</b>	393.125	470.128	733.562	1033.472	1142.898
<b>77.5</b>	312.068	380.966	624.136	903.781	1017.260
<b>80.0</b>	239.117	299.909	514.709	770.038	863.253
<b>82.5</b>	170.219	214.800	393.125	599.819	676.823
<b>85.0</b>	101.321	137.796	267.487	401.230	441.758
<b>87.5</b>	44.581	56.740	121.585	170.219	174.272
<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	897.40	N.A.	10.90
0-30	1942.61	N.A.	23.70
0-40	3245.36	N.A.	39.50
0-60	5999.47	N.A.	73.10
0-80	7922.39	N.A.	96.50
0-90	8210.47	N.A.	100.00
10-90	7981.84	N.A.	97.20
20-40	2347.96	N.A.	28.60
20-50	3753.51	N.A.	45.70
40-70	3887.72	N.A.	47.40
60-80	1922.91	N.A.	23.40
70-80	789.30	N.A.	9.60
80-90	288.08	N.A.	3.50
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	8210.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	228.63
10-20	668.77
20-30	1045.22
30-40	1302.75
40-50	1405.54
50-60	1348.57
60-70	1133.61
70-80	789.30
80-90	288.08
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

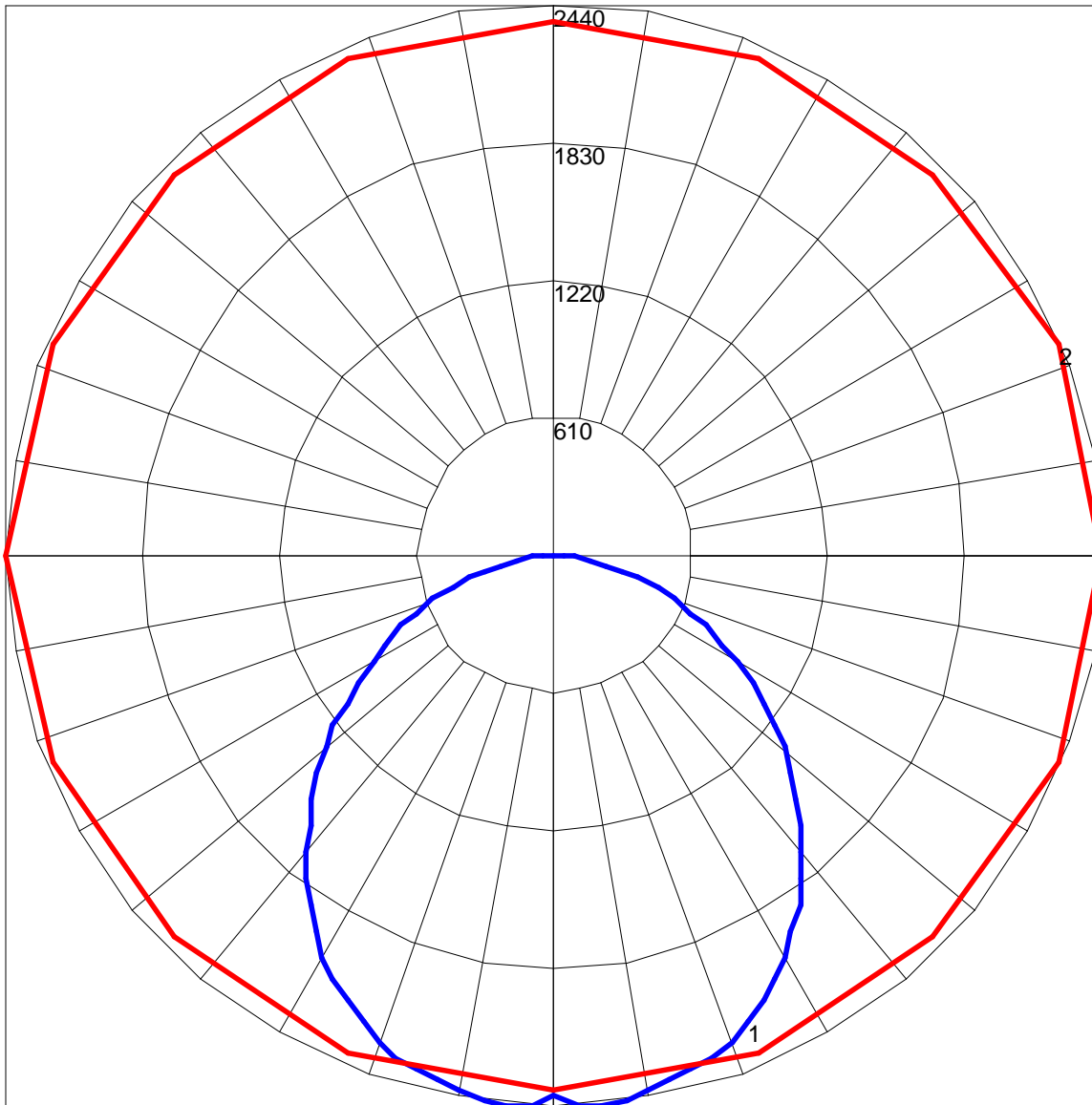
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2439.804 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.)