



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-70L-50.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-70L-50  
[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	7856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	58.6
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	5529	6650	7667
55	5071	6798	8434
65	4589	6908	9424
75	3907	7291	11360
85	2991	7895	13039

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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>	2291.957	2291.957	2291.957	2291.957	2291.957
<b>2.5</b>	2334.616	2319.104	2291.957	2272.567	2260.932
<b>5.0</b>	2334.616	2315.226	2295.835	2272.567	2260.932
<b>7.5</b>	2322.982	2307.469	2288.079	2276.445	2264.810
<b>10.0</b>	2307.469	2295.835	2284.201	2276.445	2272.567
<b>12.5</b>	2284.201	2276.445	2272.567	2268.688	2272.567
<b>15.0</b>	2260.932	2260.932	2264.810	2272.567	2268.688
<b>17.5</b>	2226.029	2229.907	2245.420	2260.932	2264.810
<b>20.0</b>	2187.248	2198.883	2226.029	2257.054	2264.810
<b>22.5</b>	2140.711	2156.224	2198.883	2241.542	2253.176
<b>25.0</b>	2090.296	2109.686	2167.858	2226.029	2245.420
<b>27.5</b>	2028.246	2059.271	2136.833	2210.517	2233.786
<b>30.0</b>	1958.440	1997.221	2090.296	2183.370	2214.395
<b>32.5</b>	1884.757	1931.294	2047.637	2152.345	2195.005
<b>35.0</b>	1811.073	1865.366	1997.221	2125.199	2167.858
<b>37.5</b>	1725.754	1787.804	1939.050	2082.540	2136.833
<b>40.0</b>	1636.558	1710.242	1880.878	2039.881	2098.052
<b>42.5</b>	1547.362	1628.802	1818.829	1993.343	2055.393
<b>45.0</b>	1454.287	1543.484	1749.023	1939.050	2016.612
<b>47.5</b>	1368.969	1454.287	1679.217	1888.635	1970.075
<b>50.0</b>	1275.895	1365.091	1601.655	1830.463	1915.781
<b>52.5</b>	1178.942	1275.895	1527.971	1772.292	1853.732
<b>55.0</b>	1081.990	1186.699	1450.409	1702.486	1799.438
<b>57.5</b>	992.794	1093.624	1361.213	1628.802	1733.511
<b>60.0</b>	895.841	996.672	1275.895	1547.362	1652.071
<b>62.5</b>	810.523	907.475	1186.699	1473.678	1574.509
<b>65.0</b>	721.327	810.523	1085.868	1380.604	1481.434
<b>67.5</b>	632.130	717.448	996.672	1287.529	1399.994
<b>70.0</b>	542.934	624.374	895.841	1194.455	1303.042
<b>72.5</b>	461.494	535.178	798.889	1097.502	1209.967
<b>75.0</b>	376.176	449.860	701.936	988.915	1093.624
<b>77.5</b>	298.614	364.541	597.227	864.816	973.403
<b>80.0</b>	228.808	286.979	492.519	736.839	826.035
<b>82.5</b>	162.880	205.539	376.176	573.959	647.643
<b>85.0</b>	96.952	131.855	255.955	383.932	422.713
<b>87.5</b>	42.659	54.293	116.343	162.880	166.758
<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	858.71	N.A.	10.90
0-30	1858.86	N.A.	23.70
0-40	3105.44	N.A.	39.50
0-60	5740.82	N.A.	73.10
0-80	7580.83	N.A.	96.50
0-90	7856.49	N.A.	100.00
10-90	7637.72	N.A.	97.20
20-40	2246.74	N.A.	28.60
20-50	3591.68	N.A.	45.70
40-70	3720.11	N.A.	47.40
60-80	1840.01	N.A.	23.40
70-80	755.27	N.A.	9.60
80-90	275.66	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	7856.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	218.77
10-20	639.93
20-30	1000.16
30-40	1246.58
40-50	1344.95
50-60	1290.43
60-70	1084.74
70-80	755.27
80-90	275.66
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

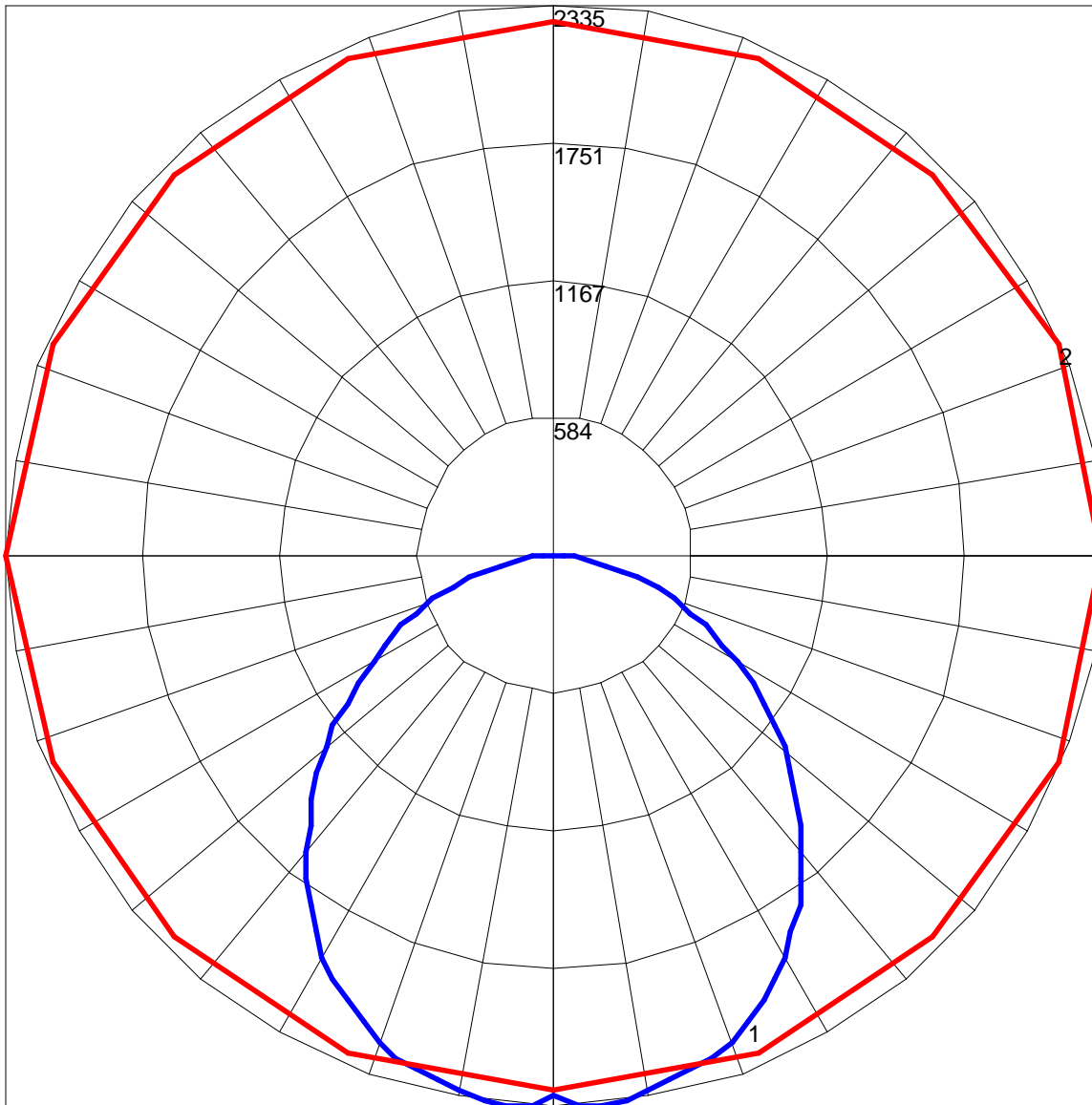
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2334.616 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.)