



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-70L-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  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPEC22-LED-70L-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	7296
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	5134	6175	7120
55	4709	6313	7832
65	4261	6414	8751
75	3628	6771	10549
85	2777	7332	12108

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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>	2128.309	2128.309	2128.309	2128.309	2128.309
<b>2.5</b>	2167.922	2153.518	2128.309	2110.303	2099.500
<b>5.0</b>	2167.922	2149.916	2131.910	2110.303	2099.500
<b>7.5</b>	2157.119	2142.714	2124.708	2113.904	2103.101
<b>10.0</b>	2142.714	2131.910	2121.107	2113.904	2110.303
<b>12.5</b>	2121.107	2113.904	2110.303	2106.702	2110.303
<b>15.0</b>	2099.500	2099.500	2103.101	2110.303	2106.702
<b>17.5</b>	2067.089	2070.690	2085.095	2099.500	2103.101
<b>20.0</b>	2031.077	2041.880	2067.089	2095.898	2103.101
<b>22.5</b>	1987.862	2002.267	2041.880	2081.494	2092.297
<b>25.0</b>	1941.047	1959.053	2013.071	2067.089	2085.095
<b>27.5</b>	1883.428	1912.237	1984.261	2052.684	2074.291
<b>30.0</b>	1818.606	1854.618	1941.047	2027.476	2056.285
<b>32.5</b>	1750.183	1793.398	1901.434	1998.666	2038.279
<b>35.0</b>	1681.760	1732.177	1854.618	1973.458	2013.071
<b>37.5</b>	1602.534	1660.153	1800.600	1933.844	1984.261
<b>40.0</b>	1519.706	1588.129	1746.582	1894.231	1948.249
<b>42.5</b>	1436.879	1512.504	1688.963	1851.017	1908.636
<b>45.0</b>	1350.450	1433.278	1624.141	1800.600	1872.624
<b>47.5</b>	1271.224	1350.450	1559.320	1753.784	1829.410
<b>50.0</b>	1184.795	1267.622	1487.296	1699.766	1778.993
<b>52.5</b>	1094.765	1184.795	1418.873	1645.748	1721.374
<b>55.0</b>	1004.735	1101.967	1346.849	1580.927	1670.957
<b>57.5</b>	921.907	1015.538	1264.021	1512.504	1609.736
<b>60.0</b>	831.877	925.508	1184.795	1436.879	1534.111
<b>62.5</b>	752.651	842.681	1101.967	1368.456	1462.087
<b>65.0</b>	669.823	752.651	1008.336	1282.027	1375.658
<b>67.5</b>	586.996	666.222	925.508	1195.598	1300.033
<b>70.0</b>	504.168	579.793	831.877	1109.170	1210.003
<b>72.5</b>	428.543	496.966	741.847	1019.140	1123.574
<b>75.0</b>	349.316	417.739	651.817	918.306	1015.538
<b>77.5</b>	277.292	338.513	554.585	803.068	903.901
<b>80.0</b>	212.471	266.489	457.352	684.228	767.056
<b>82.5</b>	151.250	190.864	349.316	532.978	601.400
<b>85.0</b>	90.030	122.441	237.679	356.519	392.531
<b>87.5</b>	39.613	50.417	108.036	151.250	154.852
<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	797.39	N.A.	10.90
0-30	1726.14	N.A.	23.70
0-40	2883.71	N.A.	39.50
0-60	5330.92	N.A.	73.10
0-80	7039.55	N.A.	96.50
0-90	7295.53	N.A.	100.00
10-90	7092.38	N.A.	97.20
20-40	2086.32	N.A.	28.60
20-50	3335.23	N.A.	45.70
40-70	3454.49	N.A.	47.40
60-80	1708.63	N.A.	23.40
70-80	701.35	N.A.	9.60
80-90	255.98	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	7295.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	203.15
10-20	594.24
20-30	928.74
30-40	1157.57
40-50	1248.91
50-60	1198.29
60-70	1007.29
70-80	701.35
80-90	255.98
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

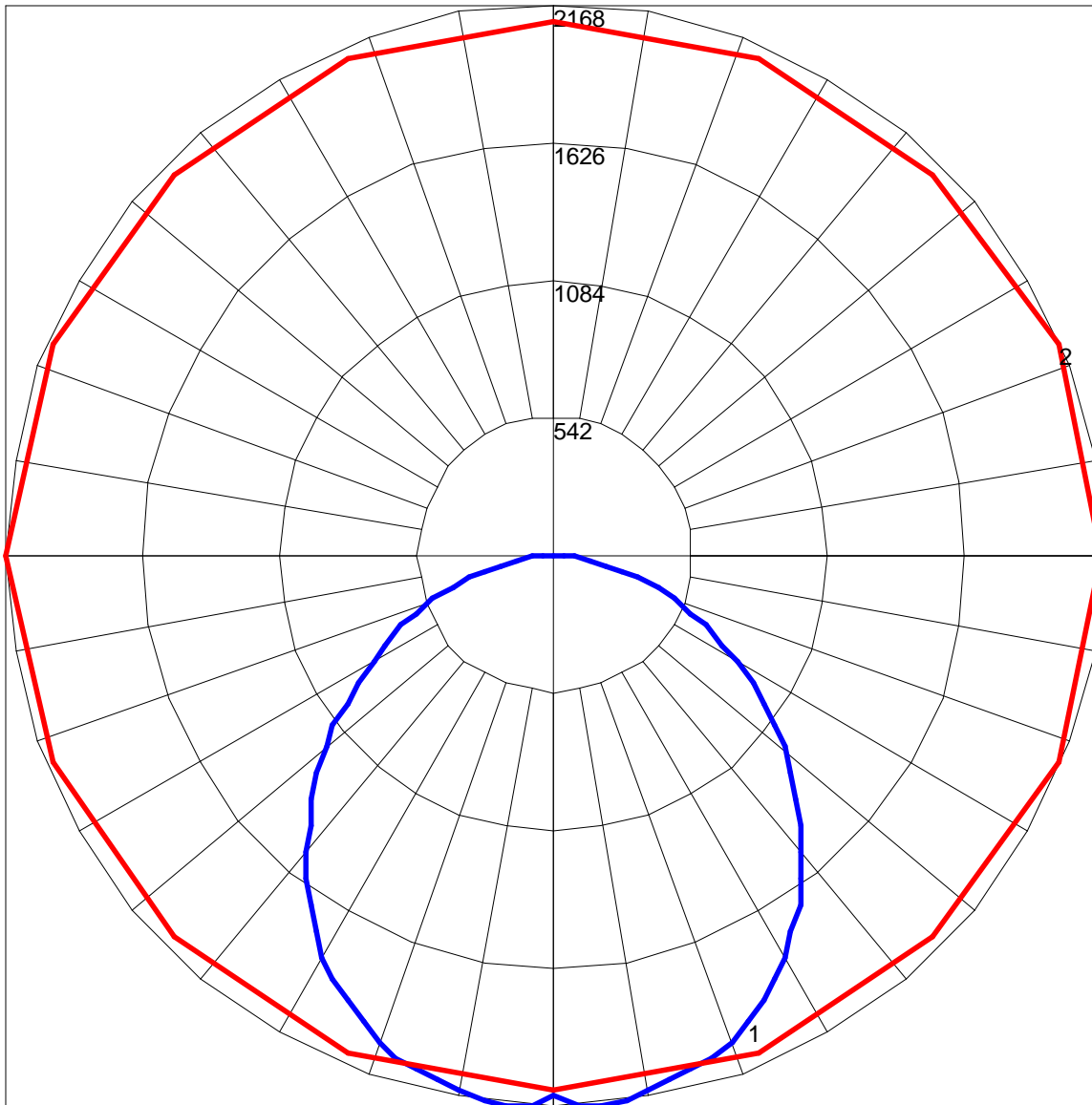
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	42	54	47	42	52	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	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2167.922 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.)