



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-60L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8833\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE]DATE]08/18/17  
[TEST]DATE]04/26/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPEC22-LED-60L-30  
[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	5831
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	48.6
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	4103	4935	5690
55	3764	5045	6259
65	3405	5126	6994
75	2900	5411	8431
85	2219	5859	9677

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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>	1700.945	1700.945	1700.945	1700.945	1700.945
<b>2.5</b>	1732.604	1721.092	1700.945	1686.555	1677.921
<b>5.0</b>	1732.604	1718.214	1703.823	1686.555	1677.921
<b>7.5</b>	1723.970	1712.458	1698.067	1689.433	1680.799
<b>10.0</b>	1712.458	1703.823	1695.189	1689.433	1686.555
<b>12.5</b>	1695.189	1689.433	1686.555	1683.677	1686.555
<b>15.0</b>	1677.921	1677.921	1680.799	1686.555	1683.677
<b>17.5</b>	1652.018	1654.896	1666.408	1677.921	1680.799
<b>20.0</b>	1623.237	1631.871	1652.018	1675.042	1680.799
<b>22.5</b>	1588.700	1600.212	1631.871	1663.530	1672.164
<b>25.0</b>	1551.285	1565.675	1608.847	1652.018	1666.408
<b>27.5</b>	1505.236	1528.260	1585.822	1640.506	1657.774
<b>30.0</b>	1453.430	1482.211	1551.285	1620.359	1643.384
<b>32.5</b>	1398.747	1433.284	1519.626	1597.334	1628.993
<b>35.0</b>	1344.063	1384.356	1482.211	1577.188	1608.847
<b>37.5</b>	1280.746	1326.795	1439.040	1545.529	1585.822
<b>40.0</b>	1214.550	1269.233	1395.869	1513.870	1557.041
<b>42.5</b>	1148.354	1208.794	1349.819	1479.333	1525.382
<b>45.0</b>	1079.280	1145.476	1298.014	1439.040	1496.602
<b>47.5</b>	1015.962	1079.280	1246.209	1401.625	1462.065
<b>50.0</b>	946.888	1013.084	1188.647	1358.454	1421.771
<b>52.5</b>	874.936	946.888	1133.963	1315.283	1375.722
<b>55.0</b>	802.984	880.692	1076.402	1263.477	1335.429
<b>57.5</b>	736.788	811.619	1010.206	1208.794	1286.502
<b>60.0</b>	664.836	739.667	946.888	1148.354	1226.062
<b>62.5</b>	601.519	673.471	880.692	1093.670	1168.500
<b>65.0</b>	535.323	601.519	805.862	1024.596	1099.427
<b>67.5</b>	469.127	532.445	739.667	955.523	1038.987
<b>70.0</b>	402.931	463.371	664.836	886.449	967.035
<b>72.5</b>	342.492	397.175	592.884	814.497	897.961
<b>75.0</b>	279.174	333.857	520.932	733.910	811.619
<b>77.5</b>	221.612	270.540	443.224	641.812	722.398
<b>80.0</b>	169.807	212.978	365.516	546.835	613.031
<b>82.5</b>	120.879	152.538	279.174	425.956	480.639
<b>85.0</b>	71.952	97.855	189.953	284.930	313.711
<b>87.5</b>	31.659	40.293	86.342	120.879	123.757
<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	637.28	N.A.	10.90
0-30	1379.53	N.A.	23.70
0-40	2304.66	N.A.	39.50
0-60	4260.47	N.A.	73.10
0-80	5626.01	N.A.	96.50
0-90	5830.59	N.A.	100.00
10-90	5668.23	N.A.	97.20
20-40	1667.38	N.A.	28.60
20-50	2665.52	N.A.	45.70
40-70	2760.83	N.A.	47.40
60-80	1365.54	N.A.	23.40
70-80	560.52	N.A.	9.60
80-90	204.58	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	5830.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	162.36
10-20	474.92
20-30	742.25
30-40	925.13
40-50	998.13
50-60	957.68
60-70	805.02
70-80	560.52
80-90	204.58
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

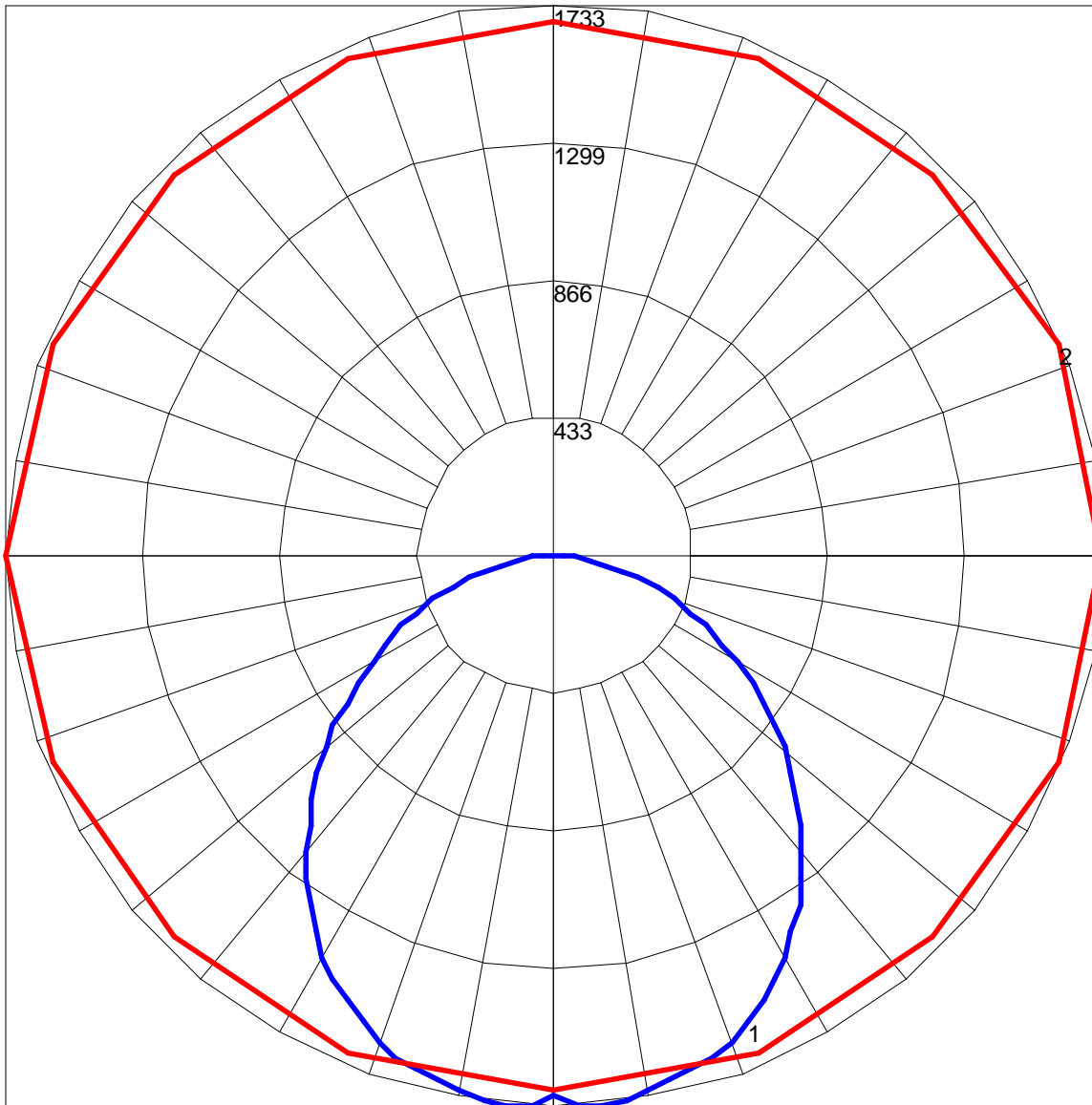
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1732.604 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.)