



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-65L-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  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC22-LED-65L-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	6316
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	53.1
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	4445	5346	6163
55	4077	5465	6780
65	3689	5553	7576
75	3141	5861	9132
85	2404	6347	10482

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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>	1842.425	1842.425	1842.425	1842.425	1842.425
<b>2.5</b>	1876.717	1864.247	1842.425	1826.837	1817.485
<b>5.0</b>	1876.717	1861.130	1845.542	1826.837	1817.485
<b>7.5</b>	1867.365	1854.895	1839.307	1829.955	1820.602
<b>10.0</b>	1854.895	1845.542	1836.190	1829.955	1826.837
<b>12.5</b>	1836.190	1829.955	1826.837	1823.720	1826.837
<b>15.0</b>	1817.485	1817.485	1820.602	1826.837	1823.720
<b>17.5</b>	1789.428	1792.545	1805.015	1817.485	1820.602
<b>20.0</b>	1758.253	1767.606	1789.428	1814.368	1820.602
<b>22.5</b>	1720.843	1733.313	1767.606	1801.898	1811.250
<b>25.0</b>	1680.316	1695.904	1742.666	1789.428	1805.015
<b>27.5</b>	1630.437	1655.377	1717.726	1776.958	1795.663
<b>30.0</b>	1574.322	1605.497	1680.316	1755.136	1780.075
<b>32.5</b>	1515.090	1552.500	1646.024	1730.196	1764.488
<b>35.0</b>	1455.859	1499.503	1605.497	1708.374	1742.666
<b>37.5</b>	1387.274	1437.154	1558.735	1674.081	1717.726
<b>40.0</b>	1315.572	1374.804	1511.973	1639.789	1686.551
<b>42.5</b>	1243.871	1309.337	1462.093	1602.380	1652.259
<b>45.0</b>	1169.051	1240.753	1405.979	1558.735	1621.084
<b>47.5</b>	1100.467	1169.051	1349.865	1518.208	1583.675
<b>50.0</b>	1025.648	1097.349	1287.515	1471.446	1540.030
<b>52.5</b>	947.711	1025.648	1228.283	1424.684	1490.151
<b>55.0</b>	869.774	953.946	1165.934	1368.569	1446.506
<b>57.5</b>	798.072	879.127	1094.232	1309.337	1393.509
<b>60.0</b>	720.136	801.190	1025.648	1243.871	1328.042
<b>62.5</b>	651.551	729.488	953.946	1184.639	1265.693
<b>65.0</b>	579.849	651.551	872.892	1109.819	1190.874
<b>67.5</b>	508.148	576.732	801.190	1035.000	1125.407
<b>70.0</b>	436.446	501.913	720.136	960.181	1047.470
<b>72.5</b>	370.979	430.211	642.199	882.244	972.651
<b>75.0</b>	302.395	361.627	564.262	794.955	879.127
<b>77.5</b>	240.045	293.042	480.090	695.196	782.485
<b>80.0</b>	183.931	230.693	395.919	592.319	664.021
<b>82.5</b>	130.934	165.226	302.395	461.386	520.617
<b>85.0</b>	77.937	105.994	205.753	308.630	339.804
<b>87.5</b>	34.292	43.645	93.524	130.934	134.051
<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	690.28	N.A.	10.90
0-30	1494.27	N.A.	23.70
0-40	2496.36	N.A.	39.50
0-60	4614.84	N.A.	73.10
0-80	6093.96	N.A.	96.50
0-90	6315.56	N.A.	100.00
10-90	6139.7	N.A.	97.20
20-40	1806.07	N.A.	28.60
20-50	2887.23	N.A.	45.70
40-70	2990.47	N.A.	47.40
60-80	1479.12	N.A.	23.40
70-80	607.14	N.A.	9.60
80-90	221.60	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	6315.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	175.86
10-20	514.42
20-30	803.99
30-40	1002.08
40-50	1081.15
50-60	1037.33
60-70	871.98
70-80	607.14
80-90	221.60
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

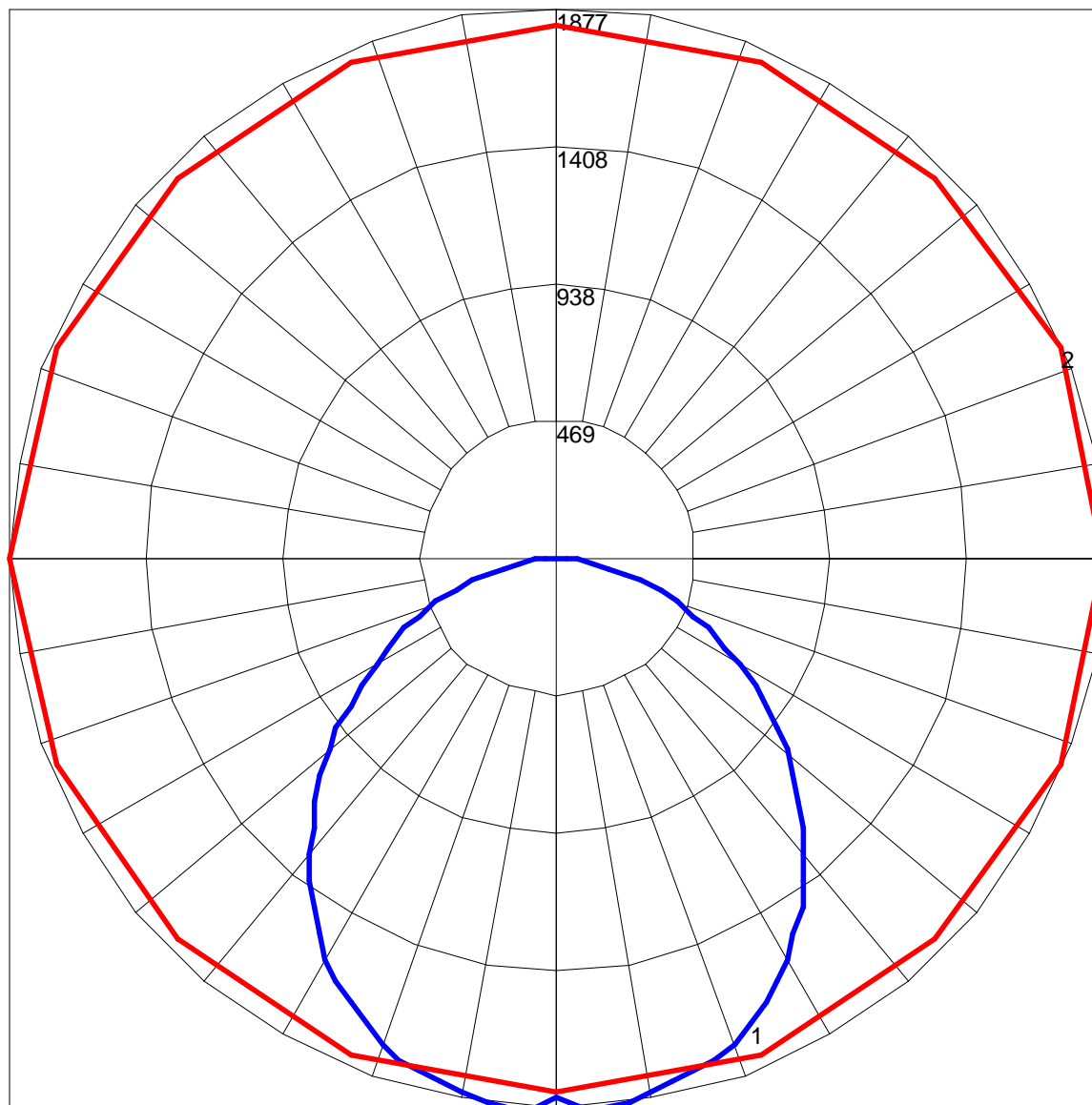
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1876.717 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.)