



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-65L-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8819  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/25/17  
[TEST DATE]04/25/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC22-LED-65L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	53.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4795	5657	6480
55	4370	5715	7031
65	3911	5775	7854
75	3331	5982	9239
85	2488	6174	9418

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	1947	1947	1947	1947	1947
<b>2.5</b>	1977	1968	1947	1932	1928
<b>5.0</b>	1975	1967	1948	1934	1931
<b>7.5</b>	1970	1961	1946	1934	1931
<b>10.0</b>	1955	1949	1937	1931	1928
<b>12.5</b>	1938	1934	1930	1928	1929
<b>15.0</b>	1916	1915	1918	1924	1926
<b>17.5</b>	1886	1888	1901	1914	1921
<b>20.0</b>	1854	1861	1882	1905	1915
<b>22.5</b>	1813	1826	1858	1892	1905
<b>25.0</b>	1771	1787	1831	1875	1893
<b>27.5</b>	1719	1743	1799	1856	1877
<b>30.0</b>	1662	1692	1763	1832	1858
<b>32.5</b>	1600	1636	1721	1803	1835
<b>35.0</b>	1535	1576	1676	1771	1808
<b>37.5</b>	1464	1513	1627	1737	1779
<b>40.0</b>	1390	1441	1574	1698	1746
<b>42.5</b>	1310	1369	1514	1655	1708
<b>45.0</b>	1235	1297	1457	1612	1669
<b>47.5</b>	1152	1222	1396	1563	1627
<b>50.0</b>	1071	1144	1328	1511	1579
<b>52.5</b>	993	1068	1262	1455	1527
<b>55.0</b>	913	989	1194	1395	1469
<b>57.5</b>	833	909	1119	1329	1411
<b>60.0</b>	758	832	1047	1265	1348
<b>62.5</b>	677	752	968	1196	1280
<b>65.0</b>	602	671	889	1122	1209
<b>67.5</b>	523	591	807	1043	1135
<b>70.0</b>	451	516	728	965	1058
<b>72.5</b>	382	443	647	882	976
<b>75.0</b>	314	370	564	791	871
<b>77.5</b>	250	301	482	684	764
<b>80.0</b>	191	234	393	574	642
<b>82.5</b>	133	169	298	440	483
<b>85.0</b>	79	105	196	281	299
<b>87.5</b>	33	43	86	116	125
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	728.13	N.A.	11.20
0-30	1572.55	N.A.	24.10
0-40	2619.88	N.A.	40.20
0-60	4807.26	N.A.	73.80
0-80	6303.63	N.A.	96.70
0-90	6515.76	N.A.	100.00
10-90	6329.91	N.A.	97.10
20-40	1891.75	N.A.	29.00
20-50	3013.6	N.A.	46.30
40-70	3074.58	N.A.	47.20
60-80	1496.37	N.A.	23.00
70-80	609.18	N.A.	9.30
80-90	212.12	N.A.	3.30
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	6515.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	185.85
10-20	542.28
20-30	844.42
30-40	1047.33
40-50	1121.85
50-60	1065.53
60-70	887.20
70-80	609.18
80-90	212.12
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

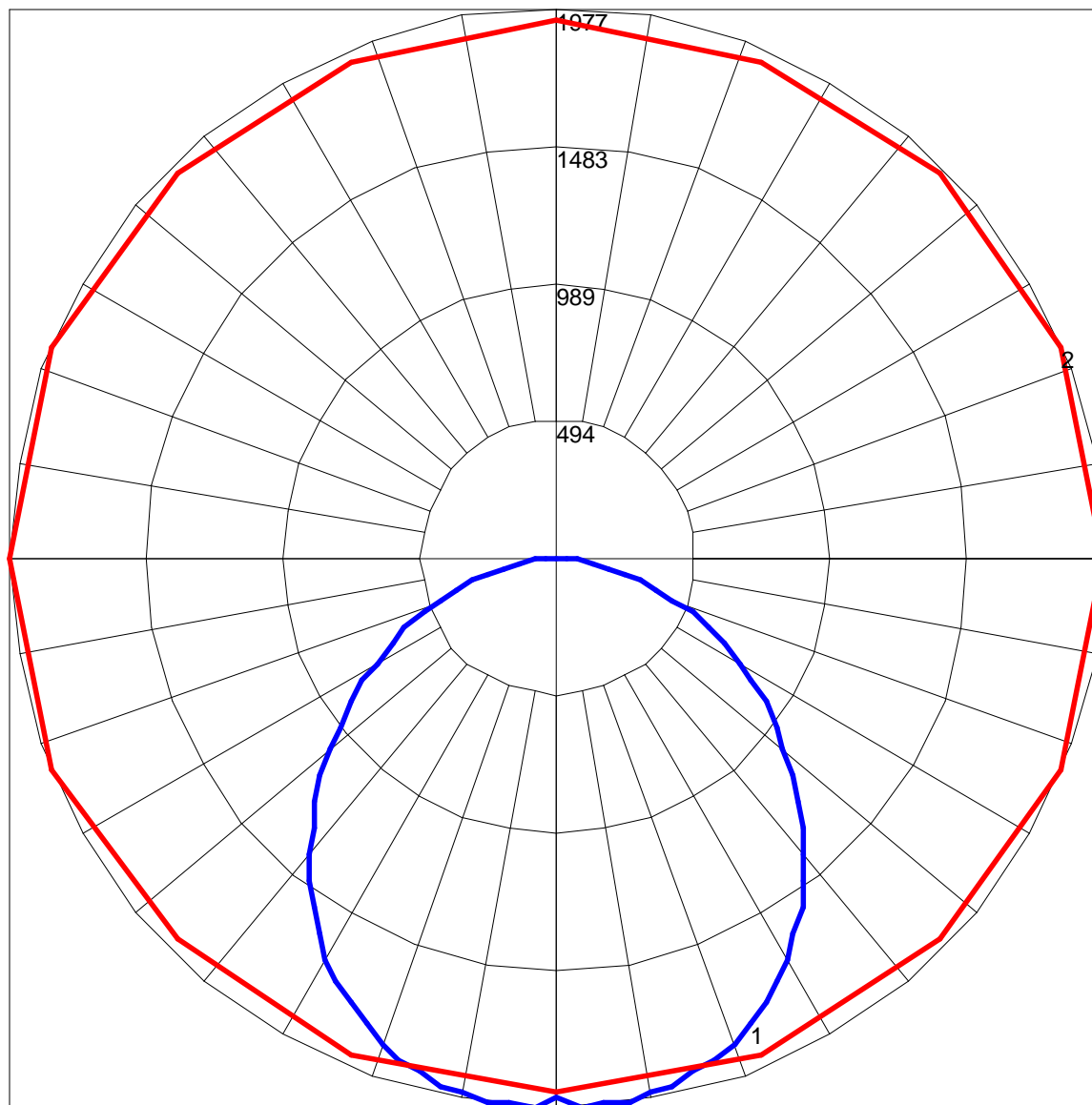
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1977 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.)