



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-65L-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-65L-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	7198
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
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	5066	6092	7024
55	4646	6228	7727
65	4204	6328	8634
75	3580	6680	10407
85	2740	7233	11946

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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>
0.0	2099.723	2099.723	2099.723	2099.723	2099.723
2.5	2138.804	2124.592	2099.723	2081.958	2071.300
5.0	2138.804	2121.039	2103.275	2081.958	2071.300
7.5	2128.145	2113.934	2096.170	2085.511	2074.853
10.0	2113.934	2103.275	2092.617	2085.511	2081.958
12.5	2092.617	2085.511	2081.958	2078.406	2081.958
15.0	2071.300	2071.300	2074.853	2081.958	2078.406
17.5	2039.324	2042.877	2057.089	2071.300	2074.853
20.0	2003.796	2014.455	2039.324	2067.747	2074.853
22.5	1961.162	1975.373	2014.455	2053.536	2064.194
25.0	1914.975	1932.740	1986.032	2039.324	2057.089
27.5	1858.130	1886.553	1957.609	2025.113	2046.430
30.0	1794.179	1829.707	1914.975	2000.243	2028.666
32.5	1726.675	1769.309	1875.894	1971.821	2010.902
35.0	1659.172	1708.911	1829.707	1946.951	1986.032
37.5	1581.009	1637.855	1776.415	1907.870	1957.609
40.0	1499.294	1566.798	1723.123	1868.789	1922.081
42.5	1417.579	1492.189	1666.277	1826.155	1883.000
45.0	1332.311	1414.026	1602.326	1776.415	1847.472
47.5	1254.149	1332.311	1538.375	1730.228	1804.838
50.0	1168.881	1250.596	1467.319	1676.936	1755.098
52.5	1080.060	1168.881	1399.815	1623.643	1698.253
55.0	991.240	1087.166	1328.758	1559.692	1648.513
57.5	909.524	1001.898	1247.043	1492.189	1588.115
60.0	820.704	913.077	1168.881	1417.579	1513.506
62.5	742.541	831.362	1087.166	1350.075	1442.449
65.0	660.826	742.541	994.792	1264.807	1357.181
67.5	579.111	657.274	913.077	1179.540	1282.572
70.0	497.396	572.006	820.704	1094.272	1193.751
72.5	422.787	490.291	731.883	1005.451	1108.483
75.0	344.625	412.128	643.062	905.972	1001.898
77.5	273.568	333.966	547.136	792.281	891.760
80.0	209.617	262.909	451.209	675.038	756.753
82.5	149.219	188.300	344.625	525.819	593.323
85.0	88.821	120.796	234.487	351.730	387.258
87.5	39.081	49.740	106.585	149.219	152.772
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	786.68	N.A.	10.90
0-30	1702.95	N.A.	23.70
0-40	2844.98	N.A.	39.50
0-60	5259.31	N.A.	73.10
0-80	6945.00	N.A.	96.50
0-90	7197.54	N.A.	100.00
10-90	6997.11	N.A.	97.20
20-40	2058.29	N.A.	28.60
20-50	3290.43	N.A.	45.70
40-70	3408.09	N.A.	47.40
60-80	1685.68	N.A.	23.40
70-80	691.93	N.A.	9.60
80-90	252.54	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	7197.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	200.42
10-20	586.26
20-30	916.27
30-40	1142.02
40-50	1232.14
50-60	1182.2
60-70	993.76
70-80	691.93
80-90	252.54
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

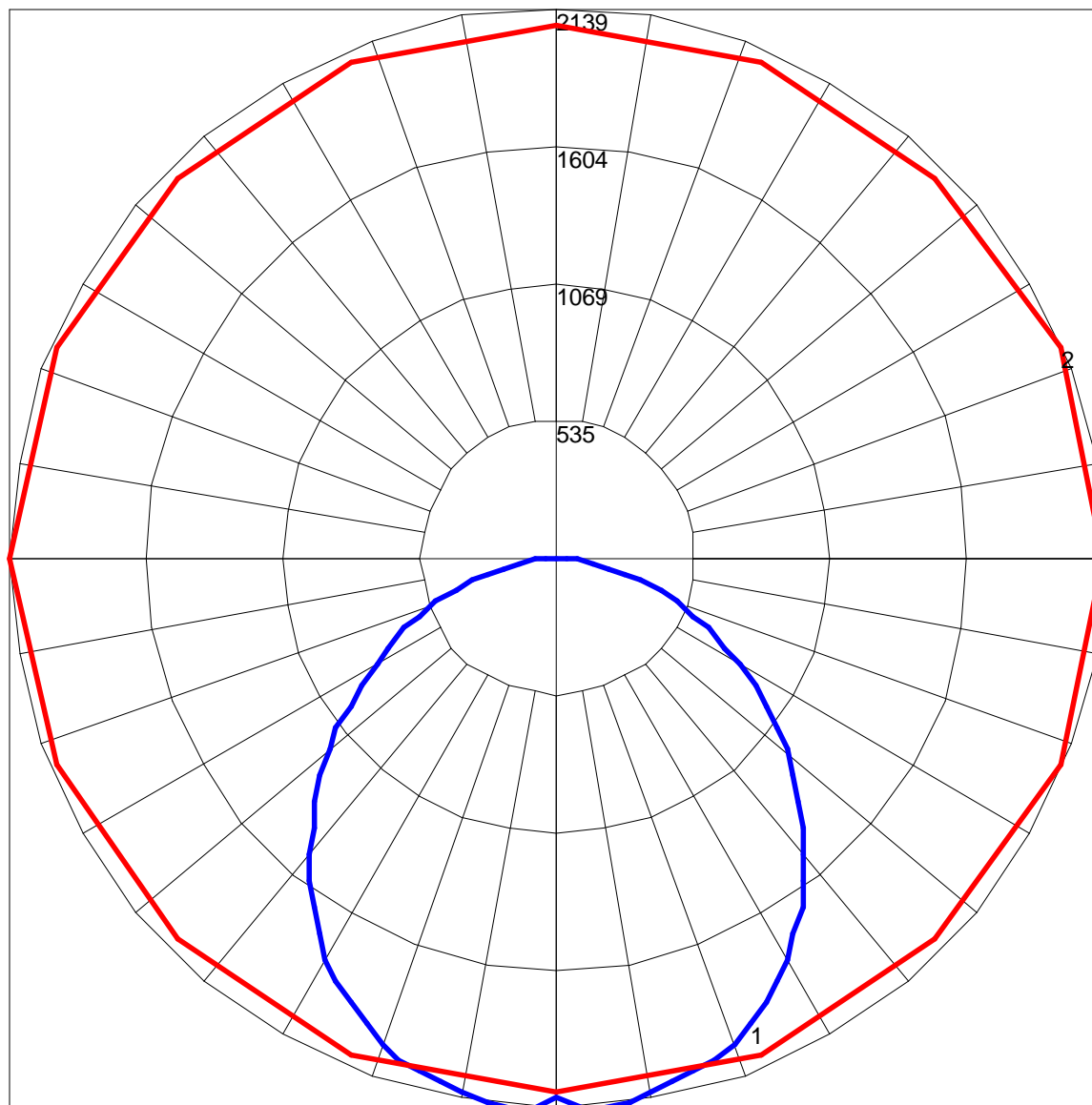
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2138.804 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.)