



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-65L-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8781\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/13/17  
[TEST DATE]04/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-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	6936
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	52.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	2578	2942	3239
55	2369	2952	3416
65	2197	3047	3713
75	1985	3492	4568
85	1811	4439	4262

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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>	2084.910	2084.910	2084.910	2084.910	2084.910
<b>2.5</b>	2135.039	2103.139	2087.188	2066.681	2050.731
<b>5.0</b>	2135.039	2103.139	2087.188	2068.960	2053.010
<b>7.5</b>	2125.924	2096.303	2082.631	2068.960	2053.010
<b>10.0</b>	2114.531	2087.188	2075.795	2066.681	2053.010
<b>12.5</b>	2096.303	2071.238	2066.681	2059.845	2048.452
<b>15.0</b>	2073.517	2048.452	2048.452	2050.731	2041.617
<b>17.5</b>	2041.617	2021.109	2030.224	2039.338	2032.502
<b>20.0</b>	2002.881	1989.209	2007.438	2023.388	2021.109
<b>22.5</b>	1959.587	1952.752	1980.095	2005.159	2007.438
<b>25.0</b>	1911.737	1911.737	1948.194	1984.652	1986.930
<b>27.5</b>	1854.772	1861.608	1909.458	1955.030	1966.423
<b>30.0</b>	1795.529	1809.200	1868.444	1927.687	1939.080
<b>32.5</b>	1727.171	1747.679	1822.872	1891.230	1907.180
<b>35.0</b>	1654.256	1683.878	1772.743	1852.494	1870.722
<b>37.5</b>	1581.341	1615.520	1713.500	1809.200	1831.986
<b>40.0</b>	1503.869	1544.884	1658.813	1761.350	1788.693
<b>42.5</b>	1424.119	1469.691	1595.013	1711.221	1738.564
<b>45.0</b>	1342.089	1389.940	1531.212	1654.256	1686.157
<b>47.5</b>	1253.224	1312.468	1462.855	1597.292	1631.470
<b>50.0</b>	1166.638	1232.717	1389.940	1535.770	1574.506
<b>52.5</b>	1082.330	1150.688	1319.304	1467.412	1508.427
<b>55.0</b>	1000.301	1070.937	1246.389	1399.054	1442.347
<b>57.5</b>	918.272	993.465	1173.474	1330.697	1371.711
<b>60.0</b>	840.800	913.715	1098.280	1260.060	1301.075
<b>62.5</b>	761.049	836.243	1023.087	1184.867	1228.160
<b>65.0</b>	683.577	758.770	947.893	1111.952	1155.245
<b>67.5</b>	599.269	676.741	877.257	1041.316	1082.330
<b>70.0</b>	524.076	606.105	802.064	968.401	1009.415
<b>72.5</b>	451.161	535.469	731.427	895.486	938.779
<b>75.0</b>	378.246	467.111	665.348	827.128	870.421
<b>77.5</b>	309.888	403.310	596.991	761.049	795.228
<b>80.0</b>	243.809	341.788	533.190	642.562	647.120
<b>82.5</b>	180.009	277.988	435.211	471.668	451.161
<b>85.0</b>	116.208	211.909	284.824	280.267	273.431
<b>87.5</b>	56.965	116.208	127.601	136.715	136.715
<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	778.63	N.A.	11.20
0-30	1676.55	N.A.	24.20
0-40	2782.57	N.A.	40.10
0-60	5062.29	N.A.	73.00
0-80	6668.73	N.A.	96.10
0-90	6936.15	N.A.	100.00
10-90	6737.18	N.A.	97.10
20-40	2003.94	N.A.	28.90
20-50	3178.82	N.A.	45.80
40-70	3205.68	N.A.	46.20
60-80	1606.44	N.A.	23.20
70-80	680.48	N.A.	9.80
80-90	267.42	N.A.	3.90
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	6936.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	198.97
10-20	579.66
20-30	897.92
30-40	1106.03
40-50	1174.87
50-60	1104.85
60-70	925.96
70-80	680.48
80-90	267.42
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

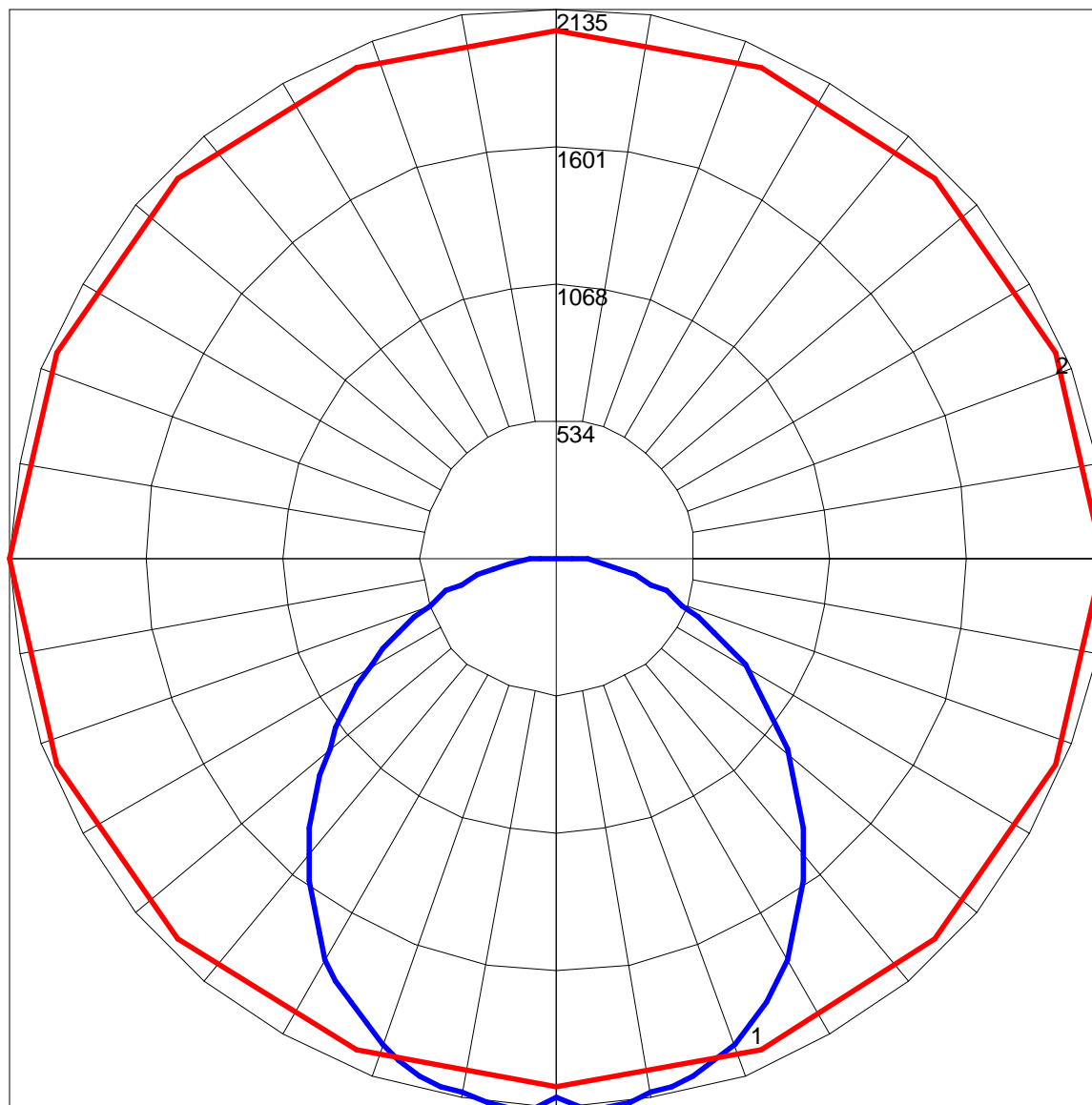
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	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	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2135.039 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.)