



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-60L-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-60L-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	6425
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	48.4
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	2388	2725	3001
55	2194	2734	3164
65	2035	2822	3440
75	1839	3235	4232
85	1678	4112	3948

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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>	1931.309	1931.309	1931.309	1931.309	1931.309
<b>2.5</b>	1977.745	1948.194	1933.419	1914.423	1899.648
<b>5.0</b>	1977.745	1948.194	1933.419	1916.534	1901.759
<b>7.5</b>	1969.302	1941.862	1929.198	1916.534	1901.759
<b>10.0</b>	1958.748	1933.419	1922.866	1914.423	1901.759
<b>12.5</b>	1941.862	1918.644	1914.423	1908.091	1897.537
<b>15.0</b>	1920.755	1897.537	1897.537	1899.648	1891.205
<b>17.5</b>	1891.205	1872.209	1880.651	1889.094	1882.762
<b>20.0</b>	1855.323	1842.658	1859.544	1874.319	1872.209
<b>22.5</b>	1815.219	1808.887	1834.216	1857.434	1859.544
<b>25.0</b>	1770.894	1770.894	1804.666	1838.437	1840.548
<b>27.5</b>	1718.126	1724.458	1768.783	1810.998	1821.551
<b>30.0</b>	1663.247	1675.912	1730.790	1785.669	1796.223
<b>32.5</b>	1599.926	1618.922	1688.576	1751.898	1766.673
<b>35.0</b>	1532.383	1559.822	1642.140	1716.015	1732.901
<b>37.5</b>	1464.840	1496.500	1587.261	1675.912	1697.019
<b>40.0</b>	1393.075	1431.068	1536.604	1631.586	1656.915
<b>42.5</b>	1319.200	1361.414	1477.504	1585.151	1610.479
<b>45.0</b>	1243.214	1287.539	1418.404	1532.383	1561.933
<b>47.5</b>	1160.896	1215.775	1355.082	1479.615	1511.275
<b>50.0</b>	1080.689	1141.899	1287.539	1422.625	1458.507
<b>52.5</b>	1002.592	1065.914	1222.107	1359.304	1397.297
<b>55.0</b>	926.606	992.038	1154.564	1295.982	1336.086
<b>57.5</b>	850.620	920.274	1087.021	1232.660	1270.653
<b>60.0</b>	778.856	846.399	1017.367	1167.228	1205.221
<b>62.5</b>	704.980	774.634	947.713	1097.574	1137.678
<b>65.0</b>	633.216	702.870	878.059	1030.031	1070.135
<b>67.5</b>	555.119	626.884	812.627	964.599	1002.592
<b>70.0</b>	485.466	561.451	742.973	897.056	935.049
<b>72.5</b>	417.923	496.019	677.541	829.513	869.617
<b>75.0</b>	350.380	432.698	616.330	766.191	806.295
<b>77.5</b>	287.058	373.597	553.009	704.980	736.641
<b>80.0</b>	225.847	316.608	493.908	595.223	599.444
<b>82.5</b>	166.747	257.508	403.148	436.919	417.923
<b>85.0</b>	107.647	196.297	263.840	259.619	253.286
<b>87.5</b>	52.768	107.647	118.200	126.643	126.643
<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	721.27	N.A.	11.20
0-30	1553.03	N.A.	24.20
0-40	2577.57	N.A.	40.10
0-60	4689.34	N.A.	73.00
0-80	6177.43	N.A.	96.10
0-90	6425.14	N.A.	100.00
10-90	6240.83	N.A.	97.10
20-40	1856.31	N.A.	28.90
20-50	2944.62	N.A.	45.80
40-70	2969.51	N.A.	46.20
60-80	1488.09	N.A.	23.20
70-80	630.35	N.A.	9.80
80-90	247.72	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	6425.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	184.31
10-20	536.95
20-30	831.76
30-40	1024.54
40-50	1088.32
50-60	1023.45
60-70	857.74
70-80	630.35
80-90	247.72
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

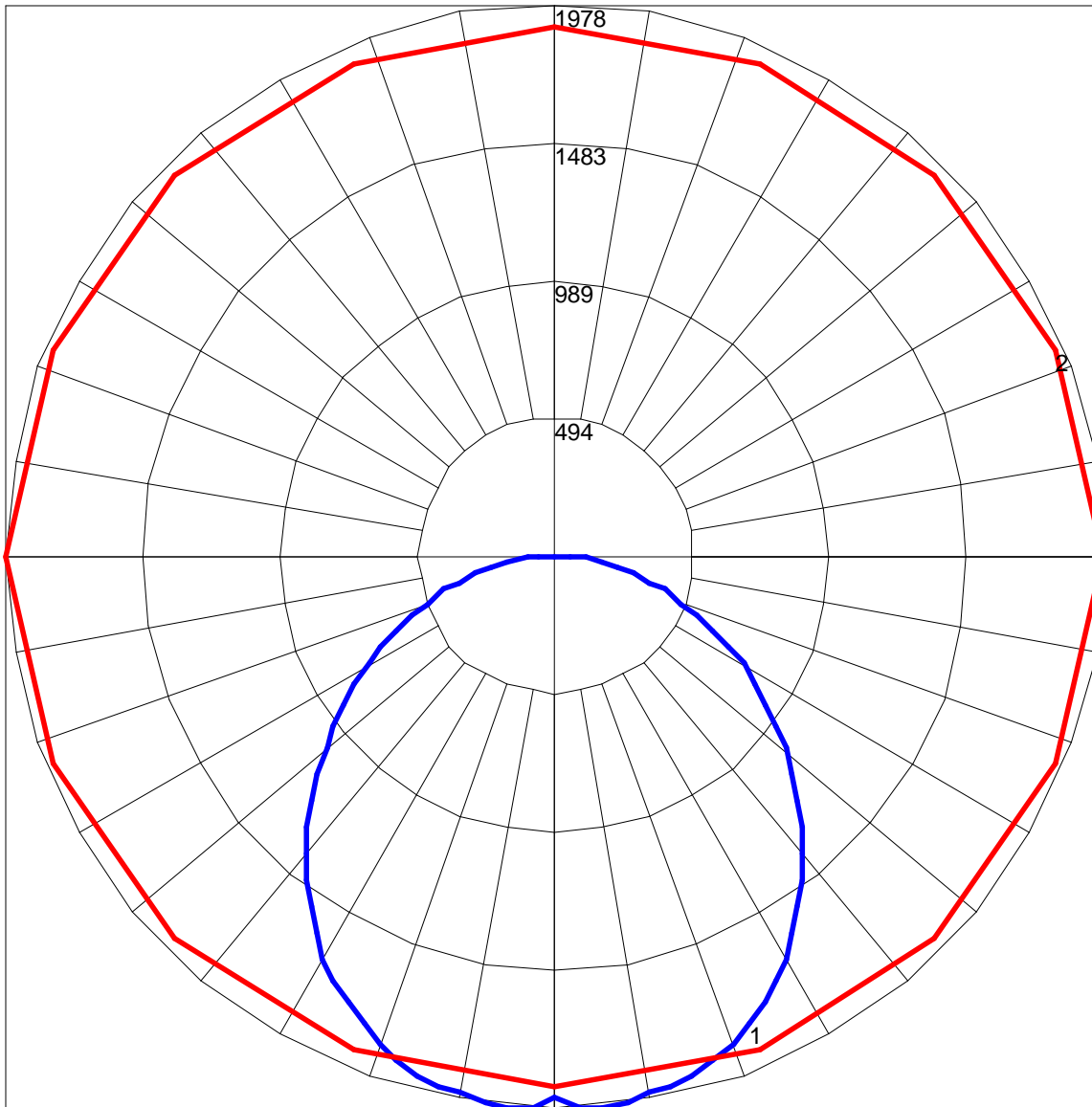
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1977.745 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.)