



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-60L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8793  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/19/17  
[TEST DATE]04/19/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-LED-60L-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	6060
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	2238	2567	2828
55	2072	2574	2975
65	1900	2658	3221
75	1742	3039	3957
85	1574	4130	4037

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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>	1820	1820	1820	1820	1820
<b>2.5</b>	1864	1836	1820	1804	1789
<b>5.0</b>	1864	1835	1821	1806	1791
<b>7.5</b>	1856	1829	1817	1805	1791
<b>10.0</b>	1845	1821	1812	1803	1791
<b>12.5</b>	1829	1806	1802	1799	1788
<b>15.0</b>	1808	1788	1790	1792	1784
<b>17.5</b>	1781	1765	1774	1782	1777
<b>20.0</b>	1749	1738	1753	1770	1767
<b>22.5</b>	1712	1706	1730	1754	1754
<b>25.0</b>	1669	1670	1701	1734	1738
<b>27.5</b>	1620	1626	1670	1712	1719
<b>30.0</b>	1568	1578	1634	1685	1696
<b>32.5</b>	1507	1526	1594	1654	1668
<b>35.0</b>	1441	1470	1547	1620	1637
<b>37.5</b>	1375	1409	1499	1582	1602
<b>40.0</b>	1308	1347	1447	1540	1564
<b>42.5</b>	1237	1282	1393	1494	1520
<b>45.0</b>	1165	1215	1336	1443	1472
<b>47.5</b>	1093	1147	1276	1391	1420
<b>50.0</b>	1020	1078	1214	1335	1368
<b>52.5</b>	947	1006	1151	1278	1313
<b>55.0</b>	875	933	1087	1219	1256
<b>57.5</b>	800	865	1023	1159	1196
<b>60.0</b>	726	793	956	1096	1133
<b>62.5</b>	658	726	891	1032	1070
<b>65.0</b>	591	659	827	964	1002
<b>67.5</b>	523	594	764	901	934
<b>70.0</b>	458	530	699	837	872
<b>72.5</b>	393	469	639	782	811
<b>75.0</b>	332	406	579	718	754
<b>77.5</b>	269	350	522	663	699
<b>80.0</b>	209	295	464	575	579
<b>82.5</b>	153	243	385	436	428
<b>85.0</b>	101	188	265	260	259
<b>87.5</b>	52	110	122	135	138
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	679.79	N.A.	11.20
0-30	1464.51	N.A.	24.20
0-40	2430.61	N.A.	40.10
0-60	4418.4	N.A.	72.90
0-80	5816.47	N.A.	96.00
0-90	6059.58	N.A.	100.00
10-90	5885.96	N.A.	97.10
20-40	1750.82	N.A.	28.90
20-50	2775.7	N.A.	45.80
40-70	2792.62	N.A.	46.10
60-80	1398.07	N.A.	23.10
70-80	593.24	N.A.	9.80
80-90	243.11	N.A.	4.00
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	6059.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	173.62
10-20	506.17
20-30	784.72
30-40	966.10
40-50	1024.89
50-60	962.90
60-70	804.83
70-80	593.24
80-90	243.11
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

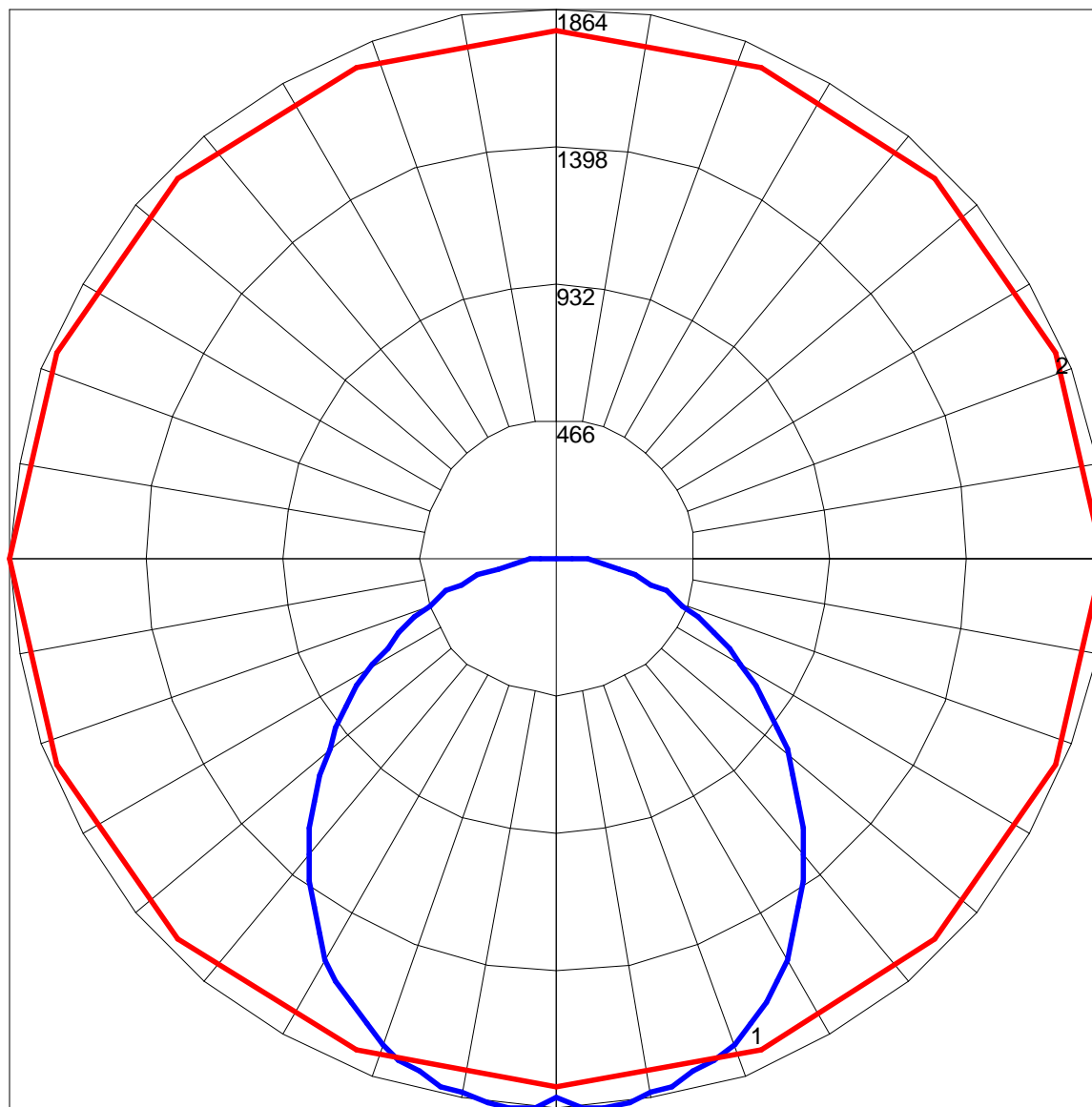
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	99	95	91	95	91	88	91	88	85	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	39
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	35	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 = 1864 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.)