



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-60L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8859  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/01/17  
[TEST DATE]05/01/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-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	6010
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	47.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4635	5220	5680
55	4326	5217	5915
65	3989	5293	6043
75	3667	5329	5204
85	3424	4997	4997

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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>	1882	1882	1882	1882	1882
<b>2.5</b>	1924	1898	1884	1870	1858
<b>5.0</b>	1923	1898	1885	1871	1858
<b>7.5</b>	1917	1892	1880	1870	1857
<b>10.0</b>	1907	1882	1874	1865	1855
<b>12.5</b>	1890	1869	1864	1859	1851
<b>15.0</b>	1870	1851	1850	1851	1843
<b>17.5</b>	1844	1828	1833	1839	1834
<b>20.0</b>	1811	1799	1810	1822	1819
<b>22.5</b>	1775	1767	1786	1804	1805
<b>25.0</b>	1731	1728	1755	1782	1785
<b>27.5</b>	1685	1686	1722	1758	1763
<b>30.0</b>	1627	1636	1683	1727	1737
<b>32.5</b>	1569	1582	1641	1695	1708
<b>35.0</b>	1502	1524	1594	1658	1673
<b>37.5</b>	1436	1463	1545	1618	1636
<b>40.0</b>	1365	1398	1488	1571	1592
<b>42.5</b>	1293	1332	1434	1523	1547
<b>45.0</b>	1219	1263	1373	1469	1494
<b>47.5</b>	1144	1193	1311	1414	1440
<b>50.0</b>	1071	1121	1248	1355	1385
<b>52.5</b>	996	1048	1180	1292	1324
<b>55.0</b>	923	976	1113	1229	1262
<b>57.5</b>	841	902	1042	1161	1194
<b>60.0</b>	770	829	972	1093	1124
<b>62.5</b>	698	759	902	1016	1043
<b>65.0</b>	627	689	832	934	950
<b>67.5</b>	558	621	759	845	848
<b>70.0</b>	488	552	683	739	732
<b>72.5</b>	421	485	603	629	615
<b>75.0</b>	353	420	513	517	501
<b>77.5</b>	287	356	419	412	398
<b>80.0</b>	224	291	324	315	309
<b>82.5</b>	166	223	239	234	234
<b>85.0</b>	111	154	162	163	162
<b>87.5</b>	60	84	87	91	91
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	702.88	N.A.	11.70
0-30	1512.51	N.A.	25.20
0-40	2507.9	N.A.	41.70
0-60	4546.67	N.A.	75.70
0-80	5843.59	N.A.	97.20
0-90	6010.09	N.A.	100.00
10-90	5830.43	N.A.	97.00
20-40	1805.01	N.A.	30.00
20-50	2858.76	N.A.	47.60
40-70	2839.05	N.A.	47.20
60-80	1296.92	N.A.	21.60
70-80	496.64	N.A.	8.30
80-90	166.50	N.A.	2.80
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	6010.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	179.66
10-20	523.22
20-30	809.63
30-40	995.39
40-50	1053.74
50-60	985.03
60-70	800.28
70-80	496.64
80-90	166.50
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

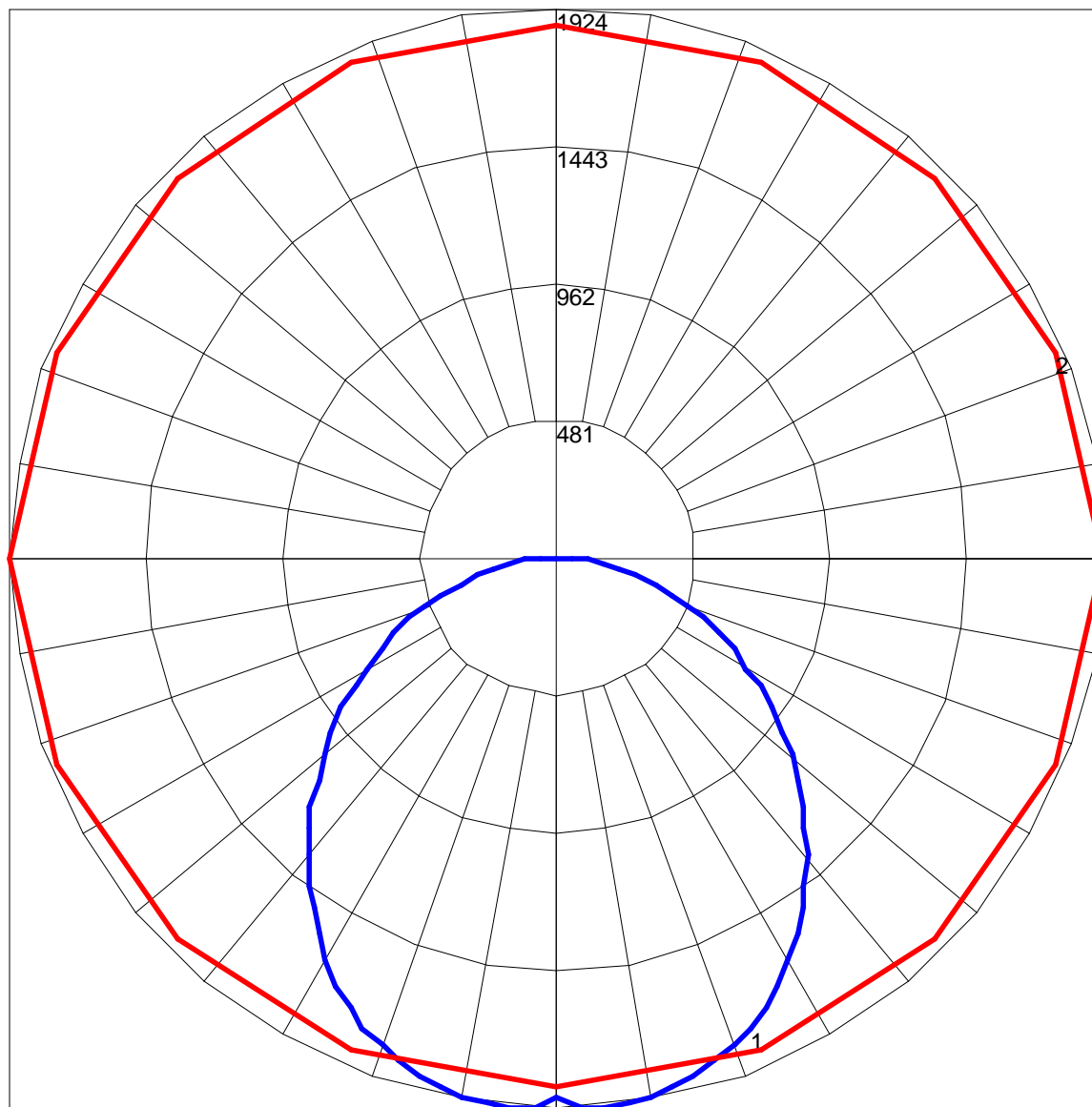
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82
2	98	89	82	76	95	87	80	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 1924 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.)