



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-36L-40-FL-TSQ6-HAZ.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-9876\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/09/18  
[TEST DATE]03/09/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LAD6SQ-LED-36L-40-FL-TSQ6-HAZ  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3636
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1305	5119	1204
55	742	742	619
65	672	840	672
75	1097	1097	1097
85	1629	2443	1629

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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>	6496.168	6496.168	6496.168	6496.168	6496.168
<b>2.5</b>	6473.068	6479.668	6492.868	6506.068	6504.418
<b>5.0</b>	6260.214	6240.414	6217.313	6237.113	6240.414
<b>7.5</b>	6083.661	5969.809	5842.756	5910.408	5978.059
<b>10.0</b>	5925.258	5723.954	5560.601	5695.904	5841.106
<b>12.5</b>	5646.403	5410.448	5327.947	5379.098	5529.251
<b>15.0</b>	5296.596	5021.041	4974.841	4973.190	5171.194
<b>17.5</b>	4823.038	4572.233	4494.682	4516.132	4674.535
<b>20.0</b>	4158.076	3991.423	3956.772	3933.672	4037.623
<b>22.5</b>	3479.913	3346.261	3395.762	3281.910	3395.762
<b>25.0</b>	2755.550	2791.851	2808.351	2777.001	2701.099
<b>27.5</b>	1593.929	2103.788	2346.343	2130.189	1590.629
<b>30.0</b>	938.867	1163.271	1996.536	1150.071	953.717
<b>32.5</b>	622.061	693.013	1602.179	709.513	651.762
<b>35.0</b>	402.607	452.108	891.016	466.958	424.058
<b>37.5</b>	234.304	280.505	400.957	288.755	249.155
<b>40.0</b>	103.952	155.103	242.554	158.403	110.552
<b>42.5</b>	46.201	69.301	148.503	69.301	42.901
<b>45.0</b>	21.450	33.001	84.152	31.351	19.800
<b>47.5</b>	14.850	16.500	39.601	16.500	14.850
<b>50.0</b>	13.200	13.200	19.800	13.200	11.550
<b>52.5</b>	9.900	11.550	11.550	11.550	9.900
<b>55.0</b>	9.900	9.900	9.900	9.900	8.250
<b>57.5</b>	8.250	8.250	9.900	9.900	8.250
<b>60.0</b>	8.250	8.250	9.900	8.250	8.250
<b>62.5</b>	6.600	8.250	8.250	8.250	6.600
<b>65.0</b>	6.600	8.250	8.250	8.250	6.600
<b>67.5</b>	6.600	8.250	8.250	8.250	8.250
<b>70.0</b>	8.250	8.250	6.600	8.250	8.250
<b>72.5</b>	9.900	8.250	6.600	8.250	8.250
<b>75.0</b>	6.600	6.600	6.600	6.600	6.600
<b>77.5</b>	4.950	6.600	6.600	6.600	4.950
<b>80.0</b>	3.300	4.950	6.600	4.950	3.300
<b>82.5</b>	3.300	4.950	4.950	4.950	3.300
<b>85.0</b>	3.300	4.950	4.950	4.950	3.300
<b>87.5</b>	3.300	6.600	6.600	4.950	3.300
<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	1964.33	N.A.	54.00
0-30	3182.54	N.A.	87.50
0-40	3562.2	N.A.	98.00
0-60	3615.93	N.A.	99.50
0-80	3631.05	N.A.	99.90
0-90	3635.66	N.A.	100.00
10-90	3058.04	N.A.	84.10
20-40	1597.86	N.A.	43.90
20-50	1642.32	N.A.	45.20
40-70	61.67	N.A.	1.70
60-80	15.12	N.A.	0.40
70-80	7.19	N.A.	0.20
80-90	4.61	N.A.	0.10
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	3635.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	577.62
10-20	1386.71
20-30	1218.21
30-40	379.66
40-50	44.46
50-60	9.28
60-70	7.93
70-80	7.19
80-90	4.61
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

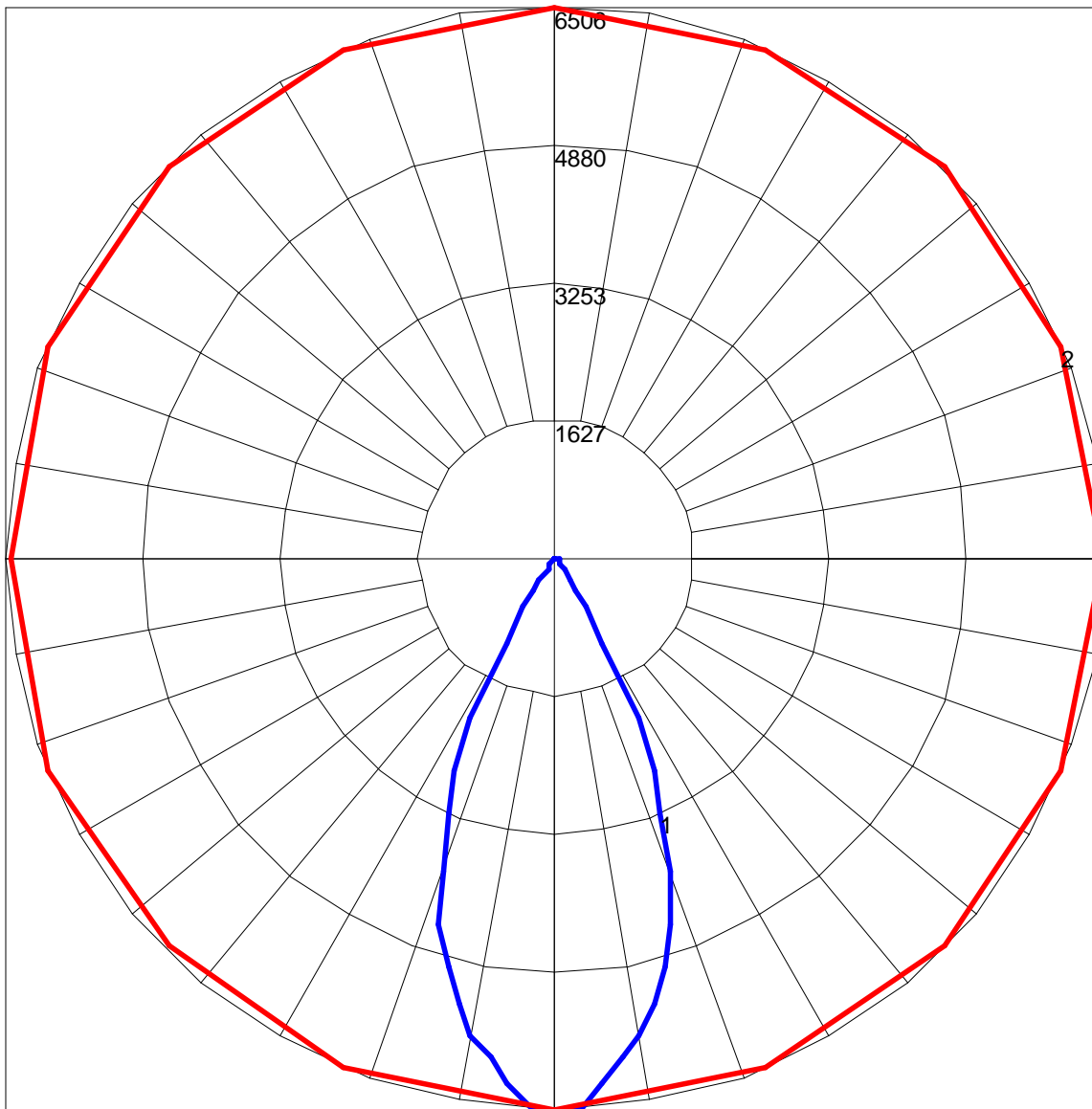
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	64	61	68	64	61	67	64	61	60

POLAR GRAPH



Maximum Candela = 6506.068 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)