



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-30-SP-TSQ6-HAZ.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-9874\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/09/18  
[TEST DATE]03/09/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LAD6SQ-LED-12L-30-SP-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	1071
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.36
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	314	513	285
55	176	211	176
65	191	191	191
75	234	312	234
85	463	694	463

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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>	5613.791	5613.791	5613.791	5613.791	5613.791
<b>2.5</b>	5560.804	5566.900	5565.024	5556.584	5558.459
<b>5.0</b>	4782.413	4785.696	4760.374	4748.183	4761.781
<b>7.5</b>	3682.819	3624.674	3563.247	3585.755	3629.832
<b>10.0</b>	2673.256	2594.948	2525.080	2565.876	2634.336
<b>12.5</b>	1897.679	1785.140	1789.361	1801.552	1873.295
<b>15.0</b>	1381.409	1294.192	1297.005	1303.101	1383.285
<b>17.5</b>	1070.053	995.496	976.271	1006.281	1079.900
<b>20.0</b>	854.354	797.616	794.334	805.587	859.043
<b>22.5</b>	697.738	645.220	669.135	645.689	695.862
<b>25.0</b>	531.744	549.094	560.816	547.687	532.213
<b>27.5</b>	255.556	408.890	479.226	403.732	253.680
<b>30.0</b>	106.911	172.090	422.019	164.587	102.222
<b>32.5</b>	54.862	77.370	339.022	75.026	51.580
<b>35.0</b>	30.948	40.795	161.305	39.388	29.072
<b>37.5</b>	19.694	22.977	44.078	22.039	18.756
<b>40.0</b>	13.129	14.067	20.632	14.067	12.192
<b>42.5</b>	7.971	9.378	12.192	9.378	7.971
<b>45.0</b>	5.158	6.096	8.440	6.096	4.689
<b>47.5</b>	3.751	3.751	5.627	3.751	3.751
<b>50.0</b>	3.282	3.282	4.220	3.282	2.813
<b>52.5</b>	2.345	2.813	2.813	2.813	2.345
<b>55.0</b>	2.345	2.345	2.813	2.345	2.345
<b>57.5</b>	1.876	2.345	2.345	2.345	1.876
<b>60.0</b>	1.876	2.345	2.345	2.345	1.876
<b>62.5</b>	1.876	1.876	1.876	1.876	1.876
<b>65.0</b>	1.876	1.876	1.876	1.876	1.876
<b>67.5</b>	1.876	1.876	1.876	1.876	1.876
<b>70.0</b>	1.876	1.876	1.876	1.876	1.876
<b>72.5</b>	2.345	1.876	1.876	1.876	2.345
<b>75.0</b>	1.407	1.876	1.876	1.876	1.407
<b>77.5</b>	0.938	1.407	1.407	1.407	0.938
<b>80.0</b>	0.938	1.407	1.407	1.407	0.938
<b>82.5</b>	0.938	1.407	1.407	1.407	0.938
<b>85.0</b>	0.938	1.407	1.407	1.407	0.938
<b>87.5</b>	0.938	1.407	1.407	0.938	0.938
<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	769.82	N.A.	71.90
0-30	1006.46	N.A.	94.00
0-40	1058.36	N.A.	98.80
0-60	1066.28	N.A.	99.50
0-80	1069.93	N.A.	99.90
0-90	1071.13	N.A.	100.00
10-90	691.05	N.A.	64.50
20-40	288.54	N.A.	26.90
20-50	294.18	N.A.	27.50
40-70	9.83	N.A.	0.90
60-80	3.65	N.A.	0.30
70-80	1.75	N.A.	0.20
80-90	1.20	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	1071.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	380.09
10-20	389.73
20-30	236.64
30-40	51.90
40-50	5.64
50-60	2.28
60-70	1.90
70-80	1.75
80-90	1.20
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

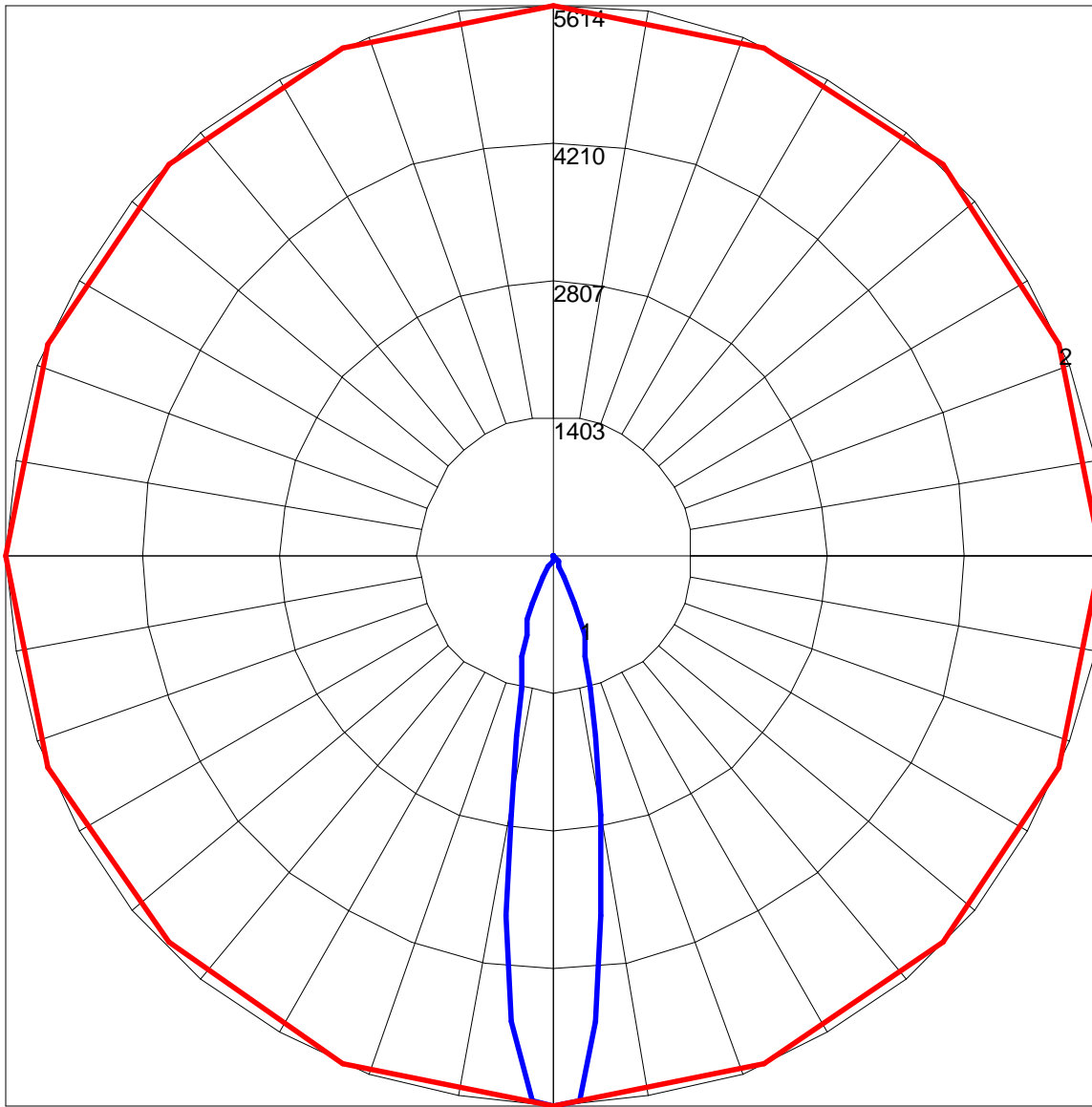
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	94	90	87	92	89	86	90	88	85	89	87	85	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	80	78	84	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	72	72

POLAR GRAPH



Maximum Candela = 5613.791 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)