



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-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-12L-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	1262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	14
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	453	1777	418
55	258	258	215
65	233	292	233
75	381	381	381
85	566	848	566

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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>
0.0	2255.350	2255.350	2255.350	2255.350	2255.350
2.5	2247.330	2249.621	2254.204	2258.787	2258.214
5.0	2173.431	2166.557	2158.536	2165.411	2166.557
7.5	2112.135	2072.607	2028.497	2051.985	2075.472
10.0	2057.140	1987.251	1930.538	1977.513	2027.924
12.5	1960.327	1878.408	1849.765	1867.524	1919.654
15.0	1838.881	1743.213	1727.173	1726.600	1795.343
17.5	1674.470	1587.395	1560.471	1567.918	1622.912
20.0	1443.607	1385.748	1373.718	1365.698	1401.788
22.5	1208.162	1161.760	1178.946	1139.419	1178.946
25.0	956.676	969.279	975.008	964.123	937.772
27.5	553.383	730.397	814.607	739.562	552.237
30.0	325.957	403.866	693.161	399.283	331.113
32.5	215.968	240.601	556.247	246.330	226.280
35.0	139.778	156.964	309.344	162.119	147.225
37.5	81.346	97.386	139.205	100.251	86.502
40.0	36.090	53.849	84.210	54.995	38.382
42.5	16.040	24.060	51.557	24.060	14.894
45.0	7.447	11.457	29.216	10.884	6.874
47.5	5.156	5.729	13.749	5.729	5.156
50.0	4.583	4.583	6.874	4.583	4.010
52.5	3.437	4.010	4.010	4.010	3.437
55.0	3.437	3.437	3.437	3.437	2.864
57.5	2.864	2.864	3.437	3.437	2.864
60.0	2.864	2.864	3.437	2.864	2.864
62.5	2.291	2.864	2.864	2.864	2.291
65.0	2.291	2.864	2.864	2.864	2.291
67.5	2.291	2.864	2.864	2.864	2.864
70.0	2.864	2.864	2.291	2.864	2.864
72.5	3.437	2.864	2.291	2.864	2.864
75.0	2.291	2.291	2.291	2.291	2.291
77.5	1.719	2.291	2.291	2.291	1.719
80.0	1.146	1.719	2.291	1.719	1.146
82.5	1.146	1.719	1.719	1.719	1.146
85.0	1.146	1.719	1.719	1.719	1.146
87.5	1.146	2.291	2.291	1.719	1.146
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	681.98	N.A.	54.00
0-30	1104.92	N.A.	87.50
0-40	1236.73	N.A.	98.00
0-60	1255.38	N.A.	99.50
0-80	1260.63	N.A.	99.90
0-90	1262.23	N.A.	100.00
10-90	1061.7	N.A.	84.10
20-40	554.75	N.A.	43.90
20-50	570.18	N.A.	45.20
40-70	21.41	N.A.	1.70
60-80	5.25	N.A.	0.40
70-80	2.50	N.A.	0.20
80-90	1.60	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	1262.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	200.54
10-20	481.44
20-30	422.94
30-40	131.81
40-50	15.44
50-60	3.22
60-70	2.75
70-80	2.50
80-90	1.60
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

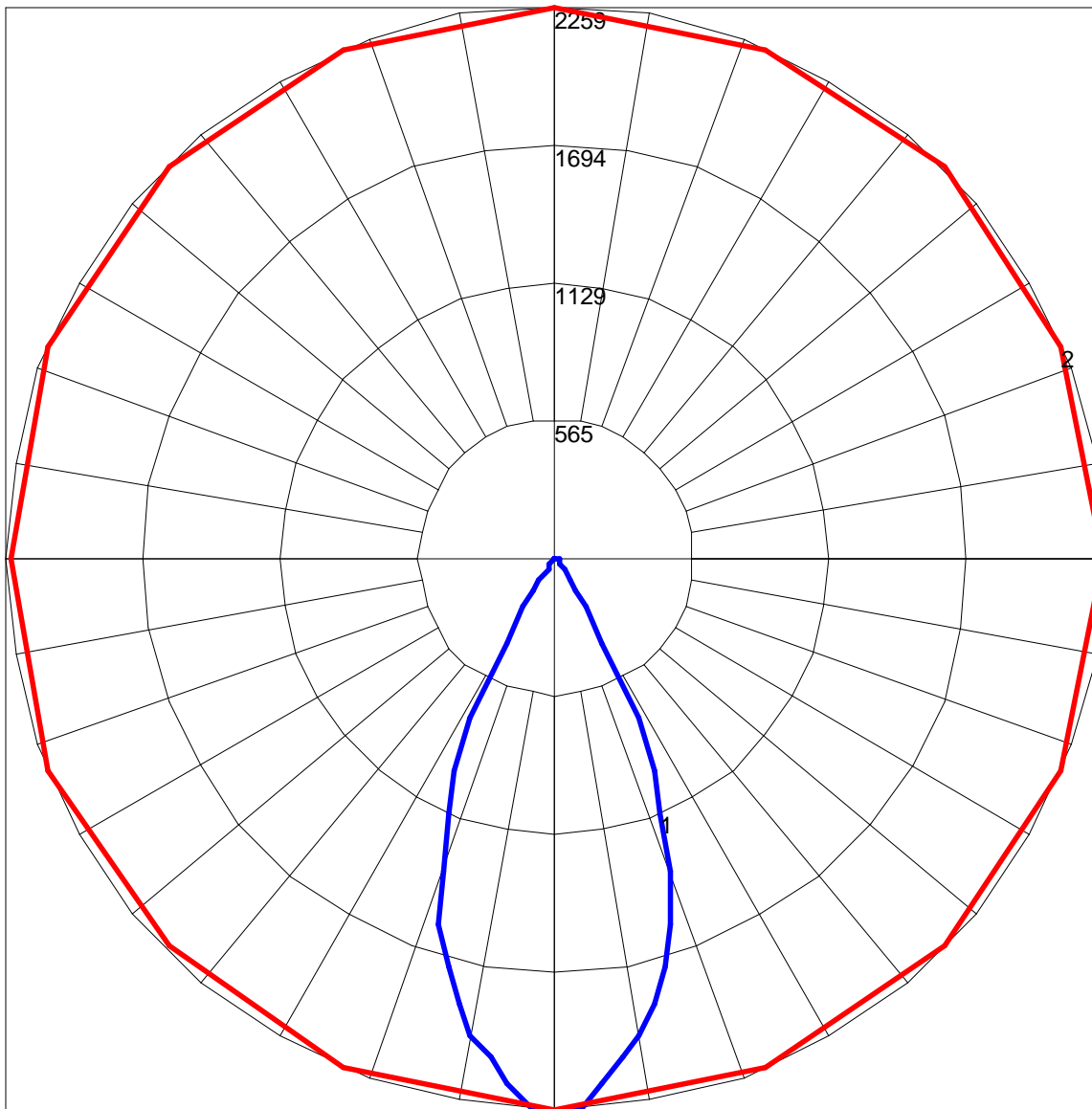
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	99	98	97	97	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	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	89	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	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	68	64	61	60

POLAR GRAPH



Maximum Candela = 2258.787 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.)