



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-35-NF-TSQ6-HAZ.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-9875\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/09/18  
[TEST DATE]03/09/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LAD6SQ-LED-12L-35-NF-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	1266
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)	0.56
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.60
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	383	1011	383
55	215	258	215
65	233	292	233
75	286	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	3255.506	3255.506	3255.506	3255.506	3255.506
2.5	3249.778	3242.331	3249.205	3252.069	3253.788
5.0	3068.185	3048.708	3056.728	3068.757	3079.069
7.5	2793.217	2770.875	2745.097	2778.895	2816.703
10.0	2512.520	2458.099	2424.301	2489.033	2553.765
12.5	2192.297	2125.273	2122.982	2157.926	2231.251
15.0	1885.249	1810.206	1815.362	1839.994	1924.776
17.5	1590.804	1526.645	1524.927	1552.996	1622.311
20.0	1299.797	1252.823	1274.591	1273.446	1324.429
22.5	1061.491	1022.537	1058.054	1021.964	1052.325
25.0	819.748	848.391	863.285	841.517	800.271
27.5	443.386	638.728	714.917	618.105	421.618
30.0	236.587	315.067	608.940	295.018	220.547
32.5	148.368	170.709	482.340	163.262	135.193
35.0	82.490	100.822	250.335	97.384	76.189
37.5	44.109	55.566	93.375	53.848	42.391
40.0	22.914	30.361	50.984	29.788	22.914
42.5	11.457	16.613	28.642	16.040	12.030
45.0	6.301	9.166	16.613	9.166	6.301
47.5	4.583	5.156	9.738	5.156	4.583
50.0	4.010	4.010	5.156	4.010	4.010
52.5	3.437	3.437	4.010	3.437	3.437
55.0	2.864	3.437	3.437	3.437	2.864
57.5	2.864	2.864	3.437	2.864	2.291
60.0	2.291	2.864	2.864	2.864	2.291
62.5	2.291	2.864	2.864	2.864	2.291
65.0	2.291	2.291	2.864	2.864	2.291
67.5	2.291	2.864	2.864	2.864	2.291
70.0	2.864	2.864	2.291	2.864	2.864
72.5	2.864	2.864	2.291	2.291	2.864
75.0	1.719	2.291	2.291	2.291	2.291
77.5	1.146	1.719	2.291	1.719	1.146
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	781.62	N.A.	61.70
0-30	1151.5	N.A.	91.00
0-40	1246.39	N.A.	98.40
0-60	1259.46	N.A.	99.50
0-80	1264.43	N.A.	99.90
0-90	1266.03	N.A.	100.00
10-90	993.41	N.A.	78.50
20-40	464.76	N.A.	36.70
20-50	474.86	N.A.	37.50
40-70	15.73	N.A.	1.20
60-80	4.97	N.A.	0.40
70-80	2.31	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	1266.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	272.61
10-20	509.01
20-30	369.87
30-40	94.89
40-50	10.09
50-60	2.97
60-70	2.67
70-80	2.31
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

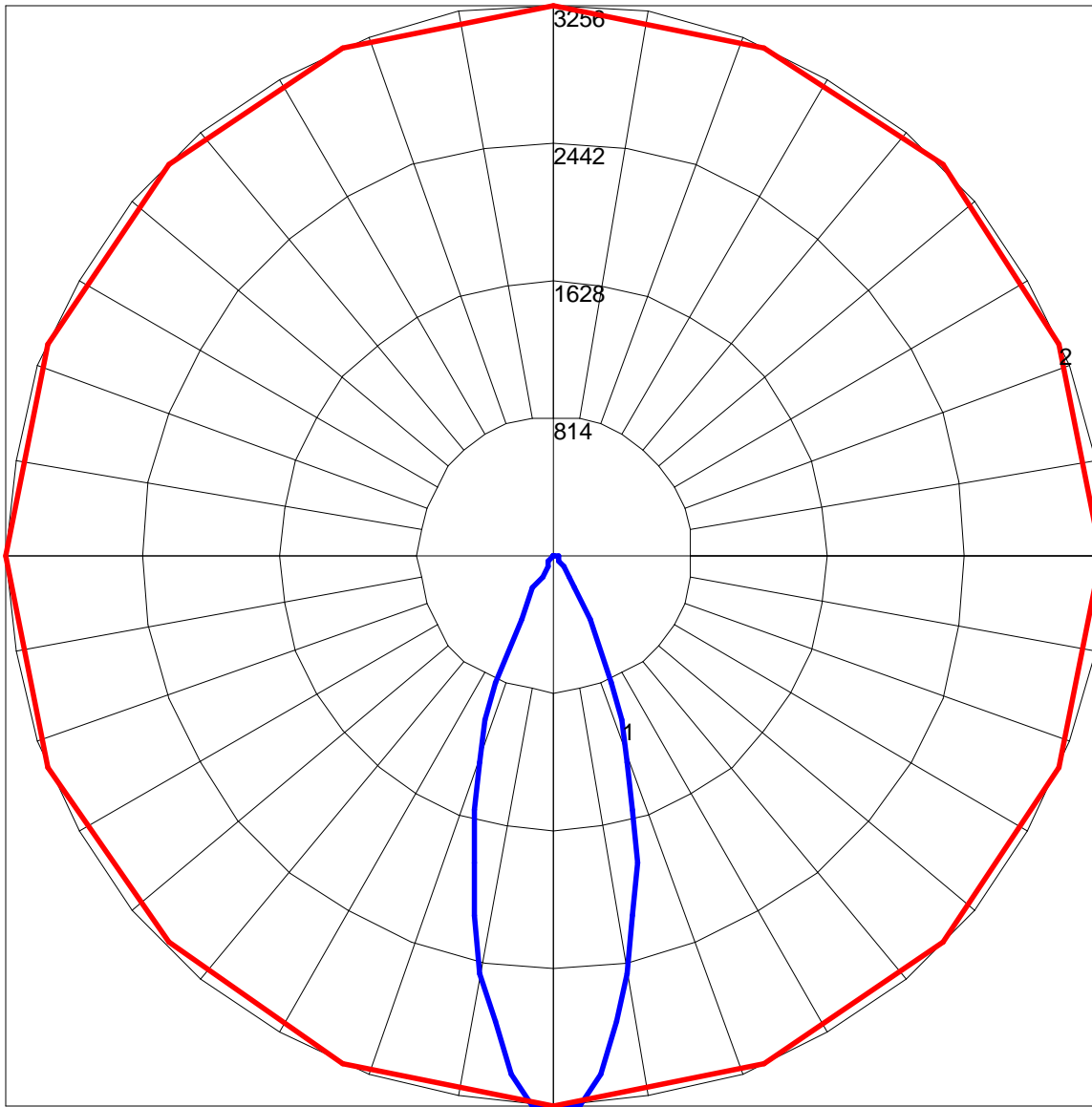
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	84	77	72	69	83	76	72	68	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

POLAR GRAPH



Maximum Candela = 3255.506 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.)