



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-36L-27-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-36L-27-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	2943
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	42
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	891	2349	891
55	499	599	499
65	542	678	542
75	664	885	885
85	1314	1972	1314

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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	7567.938	7567.938	7567.938	7567.938	7567.938
2.5	7554.621	7537.309	7553.289	7559.948	7563.943
5.0	7132.478	7087.201	7105.845	7133.810	7157.780
7.5	6493.272	6441.336	6381.411	6459.980	6547.871
10.0	5840.749	5714.239	5635.670	5786.150	5936.630
12.5	5096.340	4940.533	4935.206	5016.439	5186.894
15.0	4382.559	4208.109	4220.094	4277.356	4474.445
17.5	3698.076	3548.927	3544.932	3610.185	3771.318
20.0	3021.582	2912.384	2962.988	2960.325	3078.844
22.5	2467.603	2377.049	2459.613	2375.717	2446.296
25.0	1905.634	1972.218	2006.842	1956.238	1860.357
27.5	1030.720	1484.823	1661.937	1436.883	980.117
30.0	549.984	732.424	1415.576	685.815	512.697
32.5	344.905	396.841	1121.275	379.529	314.276
35.0	191.762	234.376	581.944	226.386	177.113
37.5	102.539	129.173	217.064	125.178	98.544
40.0	53.267	70.579	118.520	69.247	53.267
42.5	26.634	38.619	66.584	37.287	27.965
45.0	14.648	21.307	38.619	21.307	14.648
47.5	10.653	11.985	22.639	11.985	10.653
50.0	9.322	9.322	11.985	9.322	9.322
52.5	7.990	7.990	9.322	7.990	7.990
55.0	6.658	7.990	7.990	7.990	6.658
57.5	6.658	6.658	7.990	6.658	5.327
60.0	5.327	6.658	6.658	6.658	5.327
62.5	5.327	6.658	6.658	6.658	5.327
65.0	5.327	5.327	6.658	6.658	5.327
67.5	5.327	6.658	6.658	6.658	5.327
70.0	6.658	6.658	5.327	6.658	6.658
72.5	6.658	6.658	5.327	5.327	6.658
75.0	3.995	5.327	5.327	5.327	5.327
77.5	2.663	3.995	5.327	3.995	2.663
80.0	2.663	3.995	5.327	3.995	2.663
82.5	2.663	3.995	3.995	3.995	2.663
85.0	2.663	3.995	3.995	3.995	2.663
87.5	2.663	5.327	5.327	3.995	2.663
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	1817.01	N.A.	61.70
0-30	2676.84	N.A.	91.00
0-40	2897.42	N.A.	98.40
0-60	2927.8	N.A.	99.50
0-80	2939.36	N.A.	99.90
0-90	2943.08	N.A.	100.00
10-90	2309.35	N.A.	78.50
20-40	1080.41	N.A.	36.70
20-50	1103.88	N.A.	37.50
40-70	36.58	N.A.	1.20
60-80	11.56	N.A.	0.40
70-80	5.36	N.A.	0.20
80-90	3.72	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	2943.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	633.73
10-20	1183.28
20-30	859.83
30-40	220.58
40-50	23.47
50-60	6.92
60-70	6.20
70-80	5.36
80-90	3.72
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

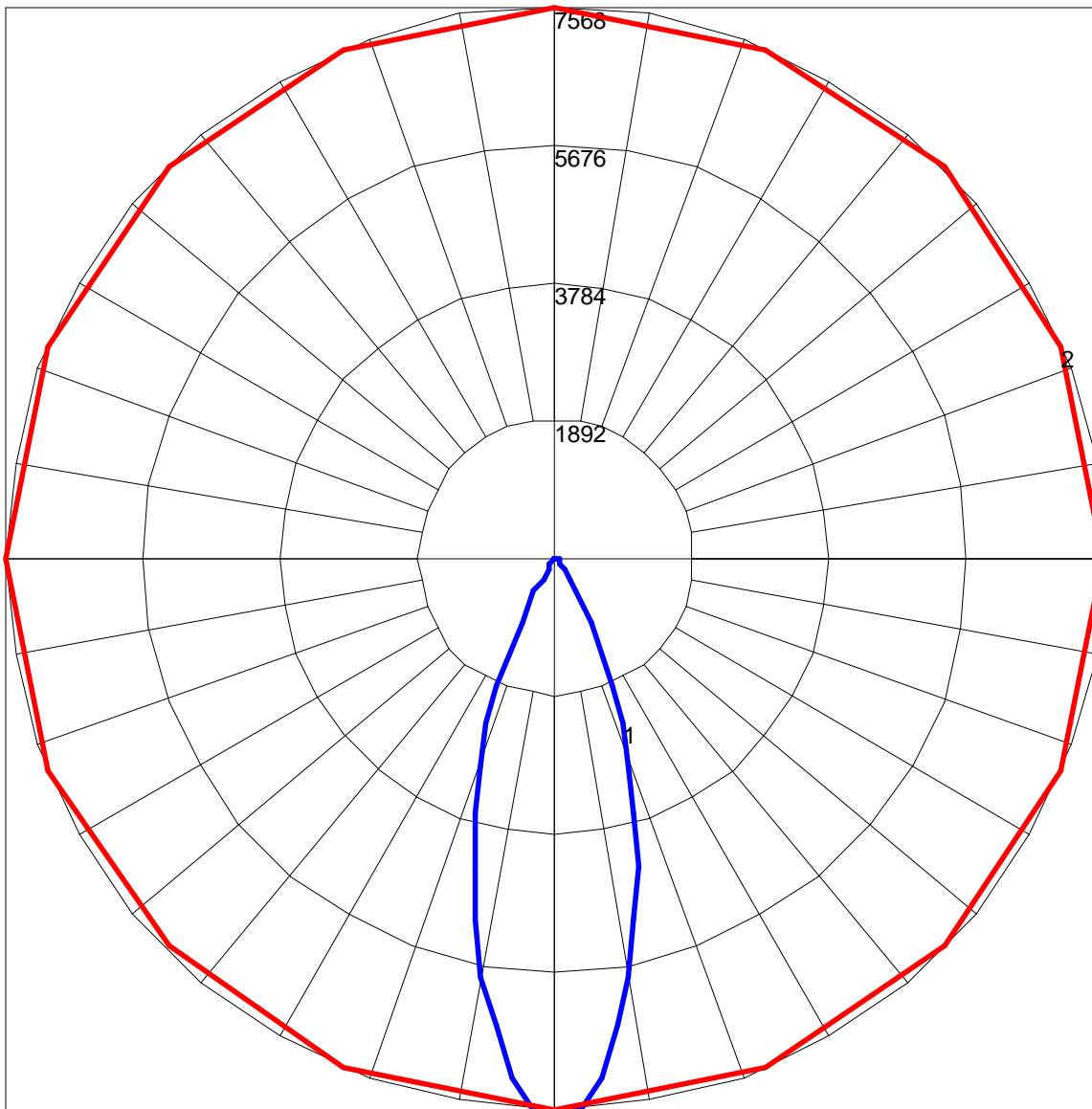
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 7567.938 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.)