



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-40-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-22L-40-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	2210
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	21.7
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	669	1764	669
55	375	450	375
65	407	509	407
75	499	665	665
85	987	1481	987

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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	5683	5683	5683	5683	5683
2.5	5673	5660	5672	5677	5680
5.0	5356	5322	5336	5357	5375
7.5	4876	4837	4792	4851	4917
10.0	4386	4291	4232	4345	4458
12.5	3827	3710	3706	3767	3895
15.0	3291	3160	3169	3212	3360
17.5	2777	2665	2662	2711	2832
20.0	2269	2187	2225	2223	2312
22.5	1853	1785	1847	1784	1837
25.0	1431	1481	1507	1469	1397
27.5	774	1115	1248	1079	736
30.0	413	550	1063	515	385
32.5	259	298	842	285	236
35.0	144	176	437	170	133
37.5	77	97	163	94	74
40.0	40	53	89	52	40
42.5	20	29	50	28	21
45.0	11	16	29	16	11
47.5	8	9	17	9	8
50.0	7	7	9	7	7
52.5	6	6	7	6	6
55.0	5	6	6	6	5
57.5	5	5	6	5	4
60.0	4	5	5	5	4
62.5	4	5	5	5	4
65.0	4	4	5	5	4
67.5	4	5	5	5	4
70.0	5	5	4	5	5
72.5	5	5	4	4	5
75.0	3	4	4	4	4
77.5	2	3	4	3	2
80.0	2	3	4	3	2
82.5	2	3	3	3	2
85.0	2	3	3	3	2
87.5	2	4	4	3	2
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1364.45	N.A.	61.70
0-30	2010.12	N.A.	91.00
0-40	2175.76	N.A.	98.40
0-60	2198.58	N.A.	99.50
0-80	2207.26	N.A.	99.90
0-90	2210.05	N.A.	100.00
10-90	1734.16	N.A.	78.50
20-40	811.32	N.A.	36.70
20-50	828.94	N.A.	37.50
40-70	27.47	N.A.	1.20
60-80	8.68	N.A.	0.40
70-80	4.02	N.A.	0.20
80-90	2.79	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	2210.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	475.89
10-20	888.56
20-30	645.67
30-40	165.64
40-50	17.62
50-60	5.19
60-70	4.65
70-80	4.02
80-90	2.79
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

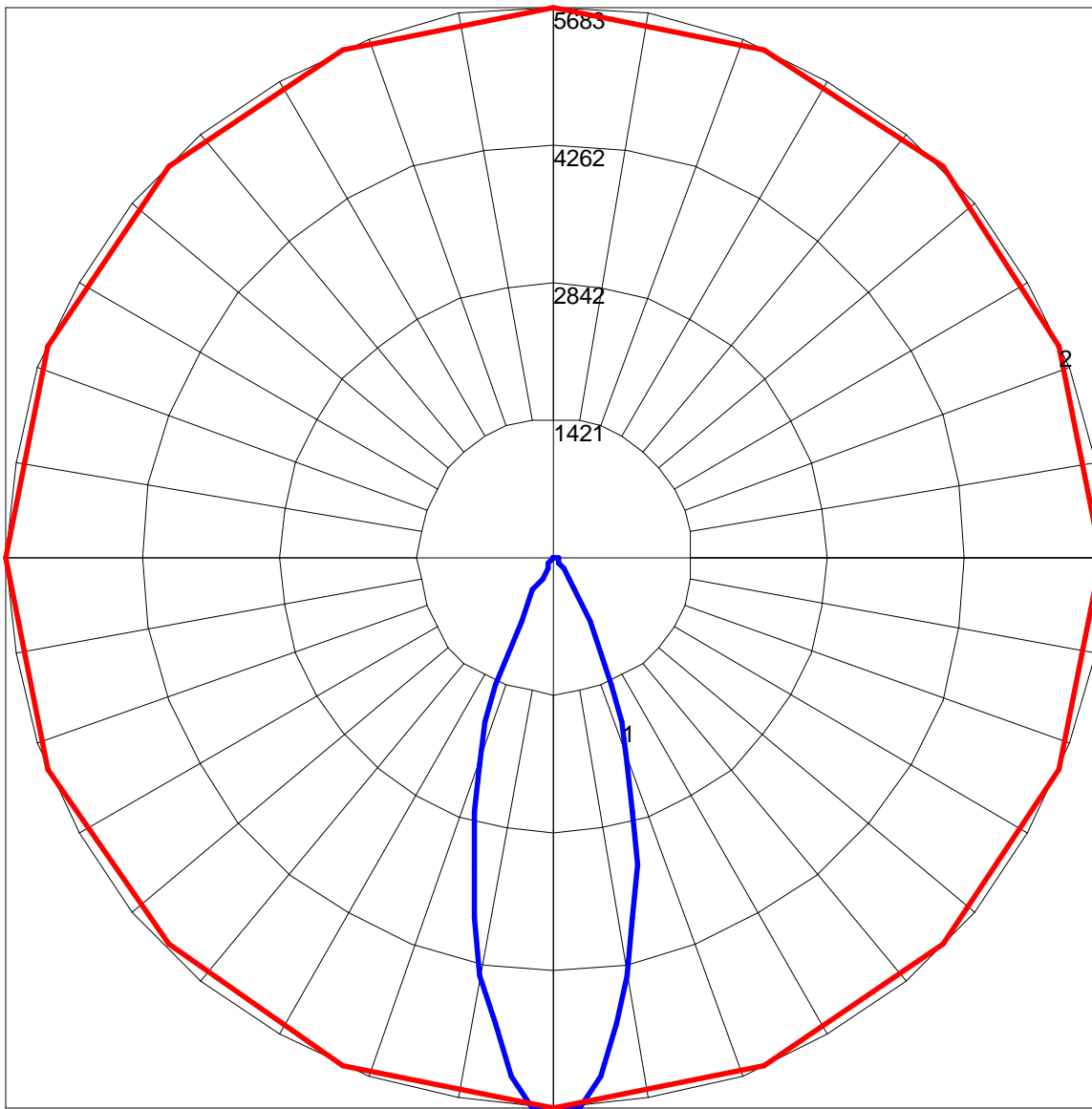
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 5683 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.)