



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-27-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-22L-27-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	1802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	21.7
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	647	2538	597
55	368	368	307
65	333	416	333
75	544	544	544
85	807	1211	807

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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	3220.387	3220.387	3220.387	3220.387	3220.387
2.5	3208.936	3212.207	3218.751	3225.295	3224.477
5.0	3103.416	3093.600	3082.149	3091.964	3093.600
7.5	3015.892	2959.452	2896.467	2930.004	2963.542
10.0	2937.366	2837.573	2756.593	2823.667	2895.649
12.5	2799.128	2682.156	2641.257	2666.615	2741.051
15.0	2625.716	2489.113	2466.210	2465.392	2563.549
17.5	2390.956	2266.623	2228.177	2238.811	2317.337
20.0	2061.310	1978.694	1961.516	1950.064	2001.597
22.5	1725.120	1658.863	1683.403	1626.962	1683.403
25.0	1366.027	1384.022	1392.202	1376.660	1339.033
27.5	790.169	1042.924	1163.168	1056.012	788.533
30.0	465.431	576.676	989.756	570.132	472.792
32.5	308.378	343.552	794.259	351.731	323.102
35.0	199.587	224.127	441.709	231.488	210.221
37.5	116.153	139.057	198.769	143.146	123.515
40.0	51.533	76.890	120.243	78.526	54.805
42.5	22.903	34.355	73.618	34.355	21.267
45.0	10.634	16.360	41.717	15.542	9.816
47.5	7.362	8.180	19.632	8.180	7.362
50.0	6.544	6.544	9.816	6.544	5.726
52.5	4.908	5.726	5.726	5.726	4.908
55.0	4.908	4.908	4.908	4.908	4.090
57.5	4.090	4.090	4.908	4.908	4.090
60.0	4.090	4.090	4.908	4.090	4.090
62.5	3.272	4.090	4.090	4.090	3.272
65.0	3.272	4.090	4.090	4.090	3.272
67.5	3.272	4.090	4.090	4.090	4.090
70.0	4.090	4.090	3.272	4.090	4.090
72.5	4.908	4.090	3.272	4.090	4.090
75.0	3.272	3.272	3.272	3.272	3.272
77.5	2.454	3.272	3.272	3.272	2.454
80.0	1.636	2.454	3.272	2.454	1.636
82.5	1.636	2.454	2.454	2.454	1.636
85.0	1.636	2.454	2.454	2.454	1.636
87.5	1.636	3.272	3.272	2.454	1.636
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	973.79	N.A.	54.00
0-30	1577.7	N.A.	87.50
0-40	1765.91	N.A.	98.00
0-60	1792.55	N.A.	99.50
0-80	1800.04	N.A.	99.90
0-90	1802.33	N.A.	100.00
10-90	1515.98	N.A.	84.10
20-40	792.12	N.A.	43.90
20-50	814.16	N.A.	45.20
40-70	30.57	N.A.	1.70
60-80	7.50	N.A.	0.40
70-80	3.56	N.A.	0.20
80-90	2.29	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	1802.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	286.35
10-20	687.44
20-30	603.91
30-40	188.21
40-50	22.04
50-60	4.60
60-70	3.93
70-80	3.56
80-90	2.29
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

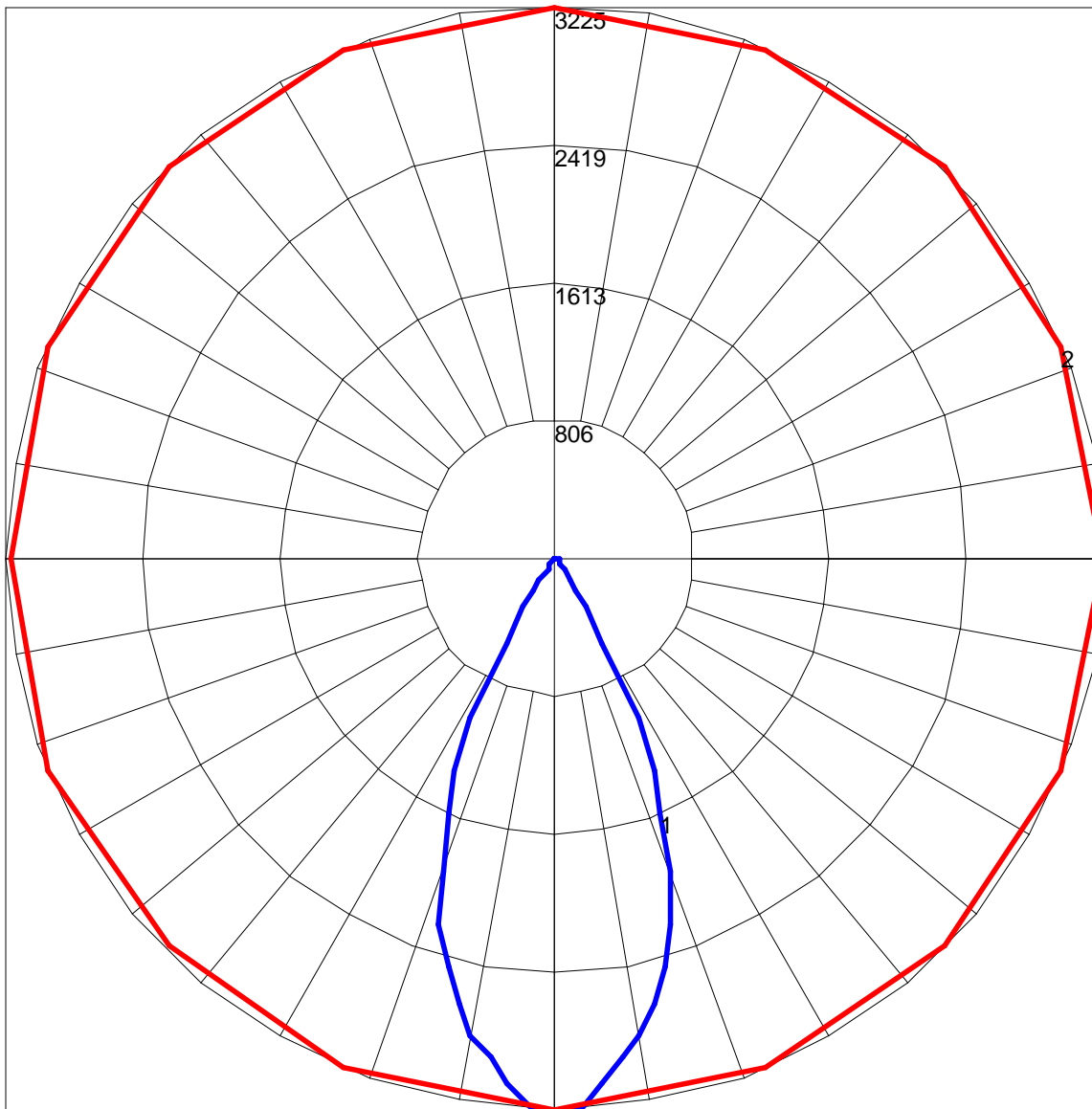
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 3225.295 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.)