



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-35-FL-TSQ6-HAZ.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-9876  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/09/18  
[TEST DATE]03/09/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LAD6SQ-LED-22L-35-FL-TSQ6-HAZ  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2203
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)	0.76
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	791	3102	730
55	450	450	375
65	407	509	407
75	665	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>
<b>0.0</b>	3937	3937	3937	3937	3937
<b>2.5</b>	3923	3927	3935	3943	3942
<b>5.0</b>	3794	3782	3768	3780	3782
<b>7.5</b>	3687	3618	3541	3582	3623
<b>10.0</b>	3591	3469	3370	3452	3540
<b>12.5</b>	3422	3279	3229	3260	3351
<b>15.0</b>	3210	3043	3015	3014	3134
<b>17.5</b>	2923	2771	2724	2737	2833
<b>20.0</b>	2520	2419	2398	2384	2447
<b>22.5</b>	2109	2028	2058	1989	2058
<b>25.0</b>	1670	1692	1702	1683	1637
<b>27.5</b>	966	1275	1422	1291	964
<b>30.0</b>	569	705	1210	697	578
<b>32.5</b>	377	420	971	430	395
<b>35.0</b>	244	274	540	283	257
<b>37.5</b>	142	170	243	175	151
<b>40.0</b>	63	94	147	96	67
<b>42.5</b>	28	42	90	42	26
<b>45.0</b>	13	20	51	19	12
<b>47.5</b>	9	10	24	10	9
<b>50.0</b>	8	8	12	8	7
<b>52.5</b>	6	7	7	7	6
<b>55.0</b>	6	6	6	6	5
<b>57.5</b>	5	5	6	6	5
<b>60.0</b>	5	5	6	5	5
<b>62.5</b>	4	5	5	5	4
<b>65.0</b>	4	5	5	5	4
<b>67.5</b>	4	5	5	5	5
<b>70.0</b>	5	5	4	5	5
<b>72.5</b>	6	5	4	5	5
<b>75.0</b>	4	4	4	4	4
<b>77.5</b>	3	4	4	4	3
<b>80.0</b>	2	3	4	3	2
<b>82.5</b>	2	3	3	3	2
<b>85.0</b>	2	3	3	3	2
<b>87.5</b>	2	4	4	3	2
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1190.48	N.A.	54.00
0-30	1928.78	N.A.	87.50
0-40	2158.87	N.A.	98.00
0-60	2191.43	N.A.	99.50
0-80	2200.6	N.A.	99.90
0-90	2203.39	N.A.	100.00
10-90	1853.33	N.A.	84.10
20-40	968.39	N.A.	43.90
20-50	995.33	N.A.	45.20
40-70	37.37	N.A.	1.70
60-80	9.16	N.A.	0.40
70-80	4.36	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	2203.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	350.06
10-20	840.42
20-30	738.29
30-40	230.09
40-50	26.94
50-60	5.62
60-70	4.81
70-80	4.36
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

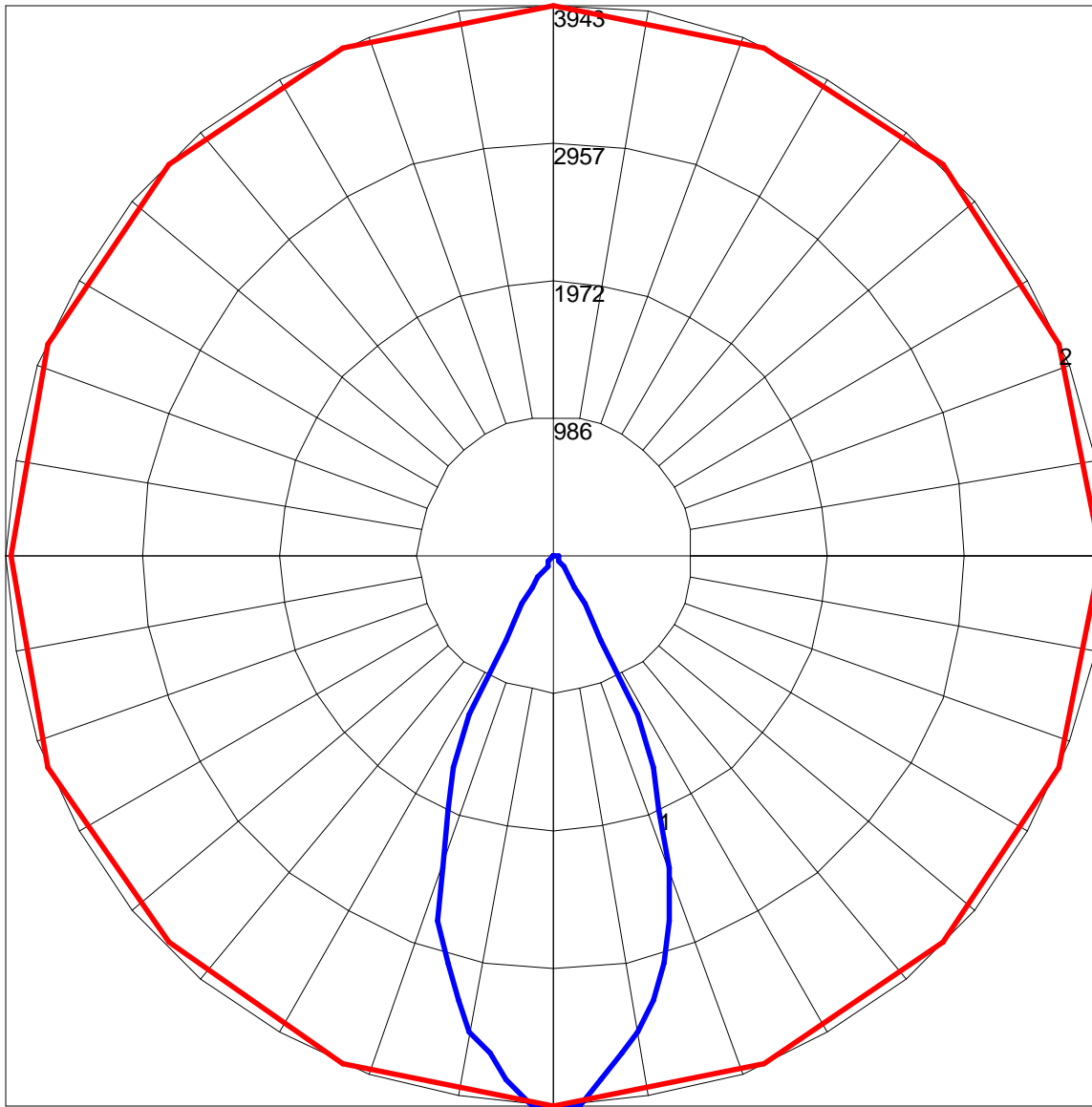
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	67	64	61	60

POLAR GRAPH



Maximum Candela = 3943 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.)