



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-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-28L-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	2325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	32
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	835	3274	770
55	475	475	396
65	430	537	430
75	702	702	702
85	1042	1563	1042

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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>	4155.070	4155.070	4155.070	4155.070	4155.070
<b>2.5</b>	4140.295	4144.517	4152.960	4161.403	4160.347
<b>5.0</b>	4004.150	3991.485	3976.710	3989.374	3991.485
<b>7.5</b>	3891.223	3818.401	3737.136	3780.407	3823.678
<b>10.0</b>	3789.905	3661.148	3556.664	3643.206	3736.081
<b>12.5</b>	3611.545	3460.624	3407.854	3440.571	3536.612
<b>15.0</b>	3387.802	3211.552	3182.001	3180.945	3307.592
<b>17.5</b>	3084.905	2924.486	2874.882	2888.602	2989.920
<b>20.0</b>	2659.583	2552.988	2530.825	2516.050	2582.539
<b>22.5</b>	2225.818	2140.331	2171.993	2099.171	2171.993
<b>25.0</b>	1762.501	1785.720	1796.274	1776.221	1727.673
<b>27.5</b>	1019.507	1345.622	1500.765	1362.508	1017.396
<b>30.0</b>	600.517	744.050	1277.022	735.607	610.015
<b>32.5</b>	397.882	443.264	1024.784	453.818	416.879
<b>35.0</b>	257.515	289.177	569.911	298.675	271.235
<b>37.5</b>	149.865	179.416	256.460	184.693	159.364
<b>40.0</b>	66.490	99.207	155.142	101.317	70.711
<b>42.5</b>	29.551	44.326	94.985	44.326	27.440
<b>45.0</b>	13.720	21.108	53.825	20.052	12.665
<b>47.5</b>	9.499	10.554	25.329	10.554	9.499
<b>50.0</b>	8.443	8.443	12.665	8.443	7.388
<b>52.5</b>	6.332	7.388	7.388	7.388	6.332
<b>55.0</b>	6.332	6.332	6.332	6.332	5.277
<b>57.5</b>	5.277	5.277	6.332	6.332	5.277
<b>60.0</b>	5.277	5.277	6.332	5.277	5.277
<b>62.5</b>	4.222	5.277	5.277	5.277	4.222
<b>65.0</b>	4.222	5.277	5.277	5.277	4.222
<b>67.5</b>	4.222	5.277	5.277	5.277	5.277
<b>70.0</b>	5.277	5.277	4.222	5.277	5.277
<b>72.5</b>	6.332	5.277	4.222	5.277	5.277
<b>75.0</b>	4.222	4.222	4.222	4.222	4.222
<b>77.5</b>	3.166	4.222	4.222	4.222	3.166
<b>80.0</b>	2.111	3.166	4.222	3.166	2.111
<b>82.5</b>	2.111	3.166	3.166	3.166	2.111
<b>85.0</b>	2.111	3.166	3.166	3.166	2.111
<b>87.5</b>	2.111	4.222	4.222	3.166	2.111
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1256.42	N.A.	54.00
0-30	2035.61	N.A.	87.50
0-40	2278.45	N.A.	98.00
0-60	2312.82	N.A.	99.50
0-80	2322.49	N.A.	99.90
0-90	2325.44	N.A.	100.00
10-90	1955.98	N.A.	84.10
20-40	1022.02	N.A.	43.90
20-50	1050.46	N.A.	45.20
40-70	39.44	N.A.	1.70
60-80	9.67	N.A.	0.40
70-80	4.60	N.A.	0.20
80-90	2.95	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	2325.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	369.45
10-20	886.97
20-30	779.19
30-40	242.84
40-50	28.44
50-60	5.93
60-70	5.07
70-80	4.60
80-90	2.95
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

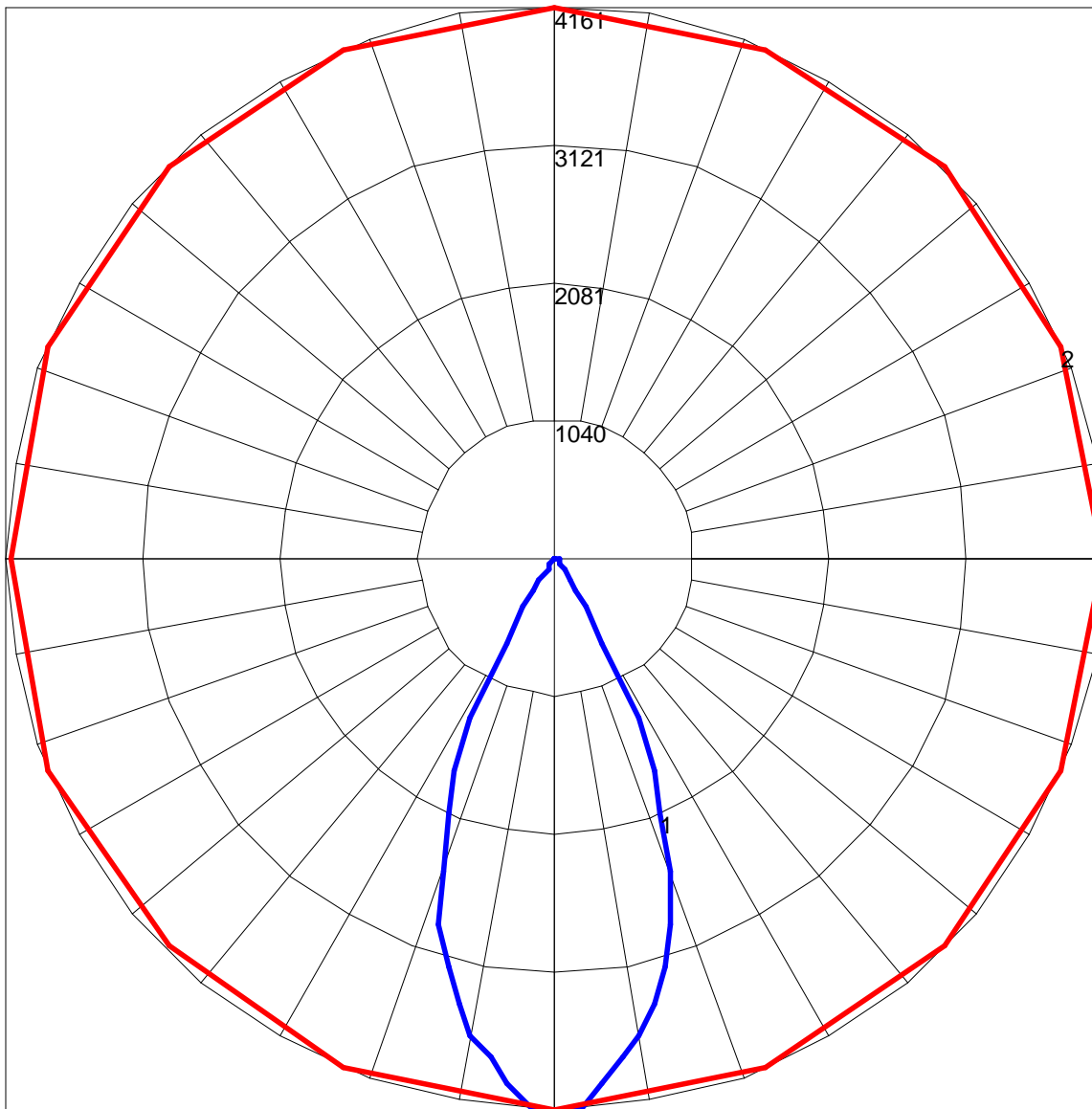
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 4161.403 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.)