



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-40-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-40-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	2843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
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	1020	4002	942
55	580	580	484
65	525	657	525
75	858	858	858
85	1273	1910	1273

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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	5079.006	5079.006	5079.006	5079.006	5079.006
2.5	5060.945	5066.105	5076.426	5086.746	5085.456
5.0	4894.526	4879.045	4860.984	4876.465	4879.045
7.5	4756.488	4667.473	4568.138	4621.031	4673.924
10.0	4632.642	4475.253	4347.536	4453.322	4566.848
12.5	4414.620	4230.140	4165.636	4205.628	4323.025
15.0	4141.125	3925.683	3889.561	3888.271	4043.080
17.5	3770.875	3574.784	3514.151	3530.922	3654.768
20.0	3250.977	3120.679	3093.588	3075.527	3156.801
22.5	2720.758	2616.262	2654.964	2565.949	2654.964
25.0	2154.417	2182.799	2195.699	2171.188	2111.845
27.5	1246.208	1644.839	1834.480	1665.480	1243.628
30.0	734.050	909.499	1560.985	899.179	745.660
32.5	486.356	541.829	1252.658	554.730	509.578
35.0	314.777	353.479	696.638	365.090	331.548
37.5	183.190	219.312	313.487	225.762	194.801
40.0	81.274	121.267	189.640	123.847	86.435
42.5	36.122	54.183	116.106	54.183	33.542
45.0	16.771	25.801	65.794	24.511	15.481
47.5	11.611	12.901	30.962	12.901	11.611
50.0	10.321	10.321	15.481	10.321	9.030
52.5	7.740	9.030	9.030	9.030	7.740
55.0	7.740	7.740	7.740	7.740	6.450
57.5	6.450	6.450	7.740	7.740	6.450
60.0	6.450	6.450	7.740	6.450	6.450
62.5	5.160	6.450	6.450	6.450	5.160
65.0	5.160	6.450	6.450	6.450	5.160
67.5	5.160	6.450	6.450	6.450	6.450
70.0	6.450	6.450	5.160	6.450	6.450
72.5	7.740	6.450	5.160	6.450	6.450
75.0	5.160	5.160	5.160	5.160	5.160
77.5	3.870	5.160	5.160	5.160	3.870
80.0	2.580	3.870	5.160	3.870	2.580
82.5	2.580	3.870	3.870	3.870	2.580
85.0	2.580	3.870	3.870	3.870	2.580
87.5	2.580	5.160	5.160	3.870	2.580
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	1535.8	N.A.	54.00
0-30	2488.26	N.A.	87.50
0-40	2785.09	N.A.	98.00
0-60	2827.1	N.A.	99.50
0-80	2838.92	N.A.	99.90
0-90	2842.53	N.A.	100.00
10-90	2390.92	N.A.	84.10
20-40	1249.28	N.A.	43.90
20-50	1284.05	N.A.	45.20
40-70	48.21	N.A.	1.70
60-80	11.82	N.A.	0.40
70-80	5.62	N.A.	0.20
80-90	3.60	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	2842.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	451.61
10-20	1084.2
20-30	952.45
30-40	296.83
40-50	34.76
50-60	7.25
60-70	6.20
70-80	5.62
80-90	3.60
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

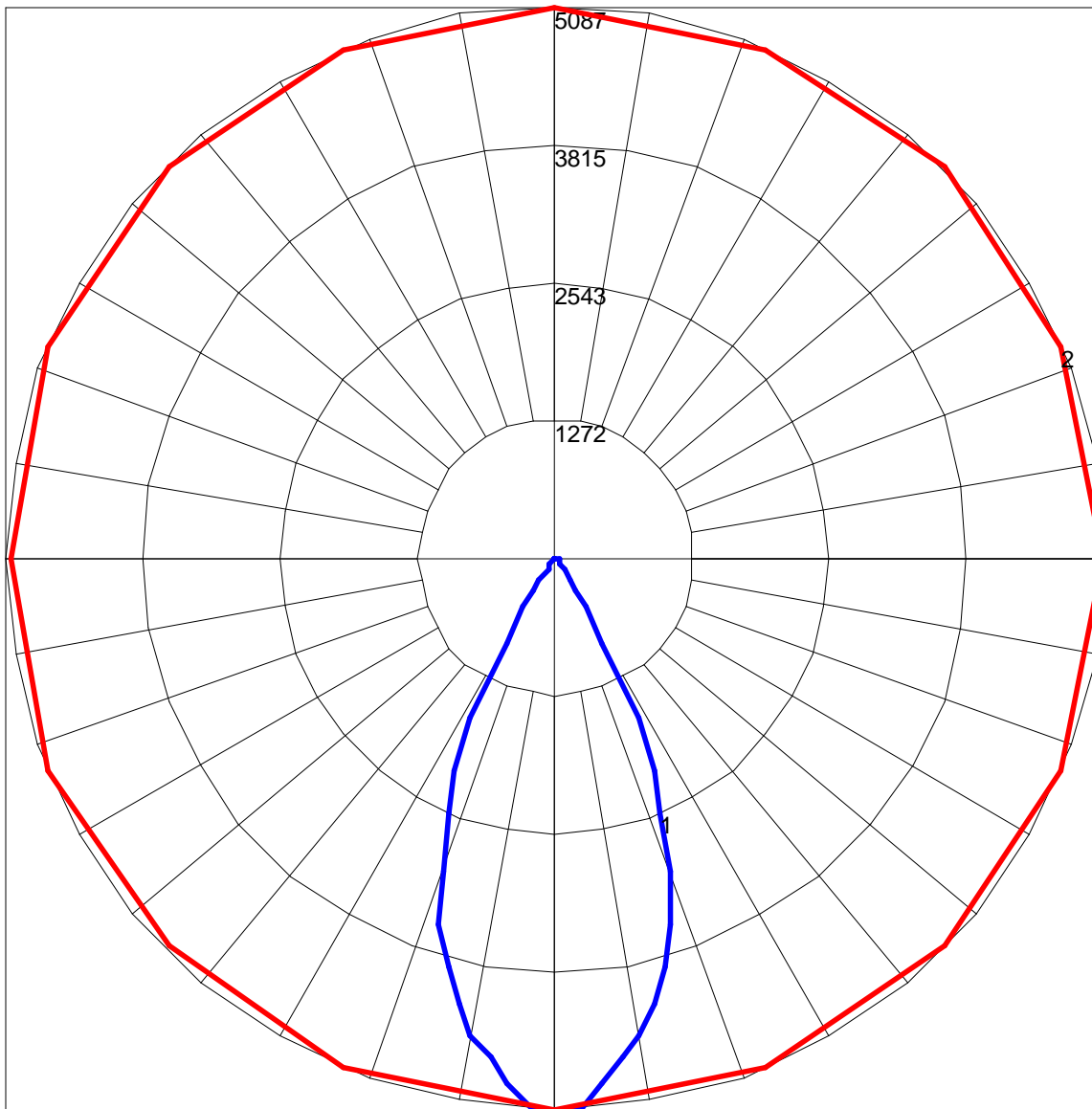
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	99	98	97	96	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	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	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 = 5086.746 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.)