



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-36L-27-SP-TSQ6-HAZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9874_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/09/18
[TEST DATE]03/09/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LAD6SQ-LED-36L-27-SP-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	3041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.36
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	891	1458	810
55	499	599	499
65	542	542	542
75	664	885	664
85	1314	1971	1314

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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	15939.879	15939.879	15939.879	15939.879	15939.879
2.5	15789.428	15806.736	15801.411	15777.445	15782.771
5.0	13579.254	13588.574	13516.677	13482.060	13520.671
7.5	10457.051	10291.954	10117.536	10181.445	10306.599
10.0	7590.482	7368.133	7169.750	7285.585	7479.974
12.5	5388.297	5068.754	5080.737	5115.354	5319.063
15.0	3922.393	3674.747	3682.735	3700.044	3927.718
17.5	3038.323	2826.626	2772.037	2857.249	3066.283
20.0	2425.865	2264.762	2255.442	2287.397	2439.180
22.5	1981.168	1832.048	1899.951	1833.379	1975.842
25.0	1509.842	1559.104	1592.390	1555.110	1511.173
27.5	725.629	1161.007	1360.721	1146.361	720.304
30.0	303.566	488.635	1198.287	467.332	290.252
32.5	155.777	219.686	962.624	213.029	146.457
35.0	87.874	115.834	458.012	111.840	82.549
37.5	55.920	65.240	125.154	62.577	53.257
40.0	37.280	39.943	58.583	39.943	34.617
42.5	22.634	26.629	34.617	26.629	22.634
45.0	14.646	17.309	23.966	17.309	13.314
47.5	10.651	10.651	15.977	10.651	10.651
50.0	9.320	9.320	11.983	9.320	7.989
52.5	6.657	7.989	7.989	7.989	6.657
55.0	6.657	6.657	7.989	6.657	6.657
57.5	5.326	6.657	6.657	6.657	5.326
60.0	5.326	6.657	6.657	6.657	5.326
62.5	5.326	5.326	5.326	5.326	5.326
65.0	5.326	5.326	5.326	5.326	5.326
67.5	5.326	5.326	5.326	5.326	5.326
70.0	5.326	5.326	5.326	5.326	5.326
72.5	6.657	5.326	5.326	5.326	6.657
75.0	3.994	5.326	5.326	5.326	3.994
77.5	2.663	3.994	3.994	3.994	2.663
80.0	2.663	3.994	3.994	3.994	2.663
82.5	2.663	3.994	3.994	3.994	2.663
85.0	2.663	3.994	3.994	3.994	2.663
87.5	2.663	3.994	3.994	2.663	2.663
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	2185.84	N.A.	71.90
0-30	2857.75	N.A.	94.00
0-40	3005.12	N.A.	98.80
0-60	3027.61	N.A.	99.50
0-80	3037.98	N.A.	99.90
0-90	3041.38	N.A.	100.00
10-90	1962.16	N.A.	64.50
20-40	819.28	N.A.	26.90
20-50	835.29	N.A.	27.50
40-70	27.90	N.A.	0.90
60-80	10.37	N.A.	0.30
70-80	4.96	N.A.	0.20
80-90	3.40	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	3041.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1079.22
10-20	1106.62
20-30	671.91
30-40	147.37
40-50	16.00
50-60	6.49
60-70	5.41
70-80	4.96
80-90	3.40
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

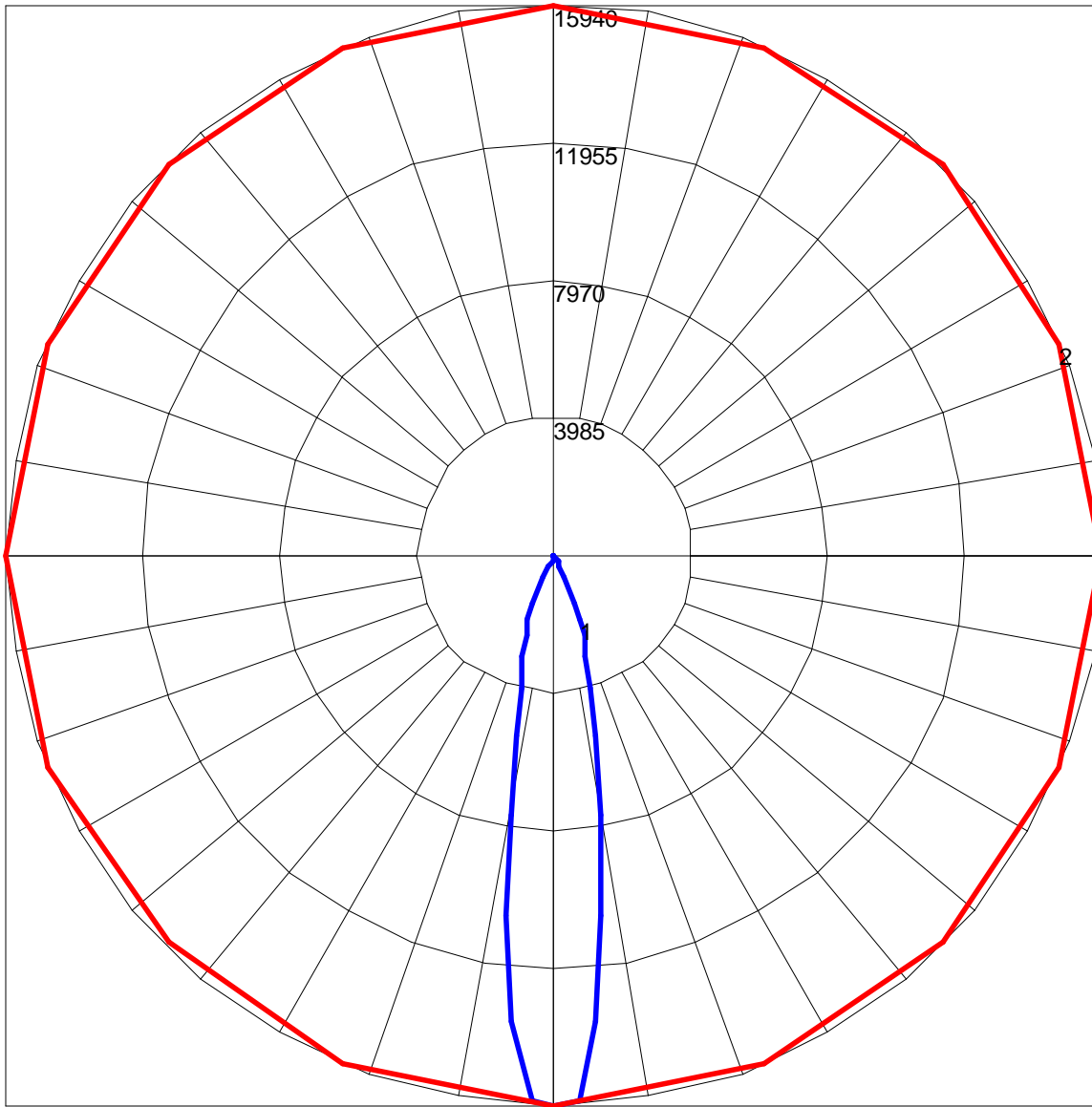
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	94	90	87	92	89	86	90	88	85	89	87	85	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	80	78	84	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	72	72

POLAR GRAPH



Maximum Candela = 15939.879 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.)