



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-36L-40-NF-TSQ6-HAZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9875_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/09/18
[TEST DATE]03/09/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LAD6SQ-LED-36L-40-NF-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	3647
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.60
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	1104	2911	1104
55	619	743	619
65	672	840	672
75	823	1097	1097
85	1629	2444	1629

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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	9378.257	9378.257	9378.257	9378.257	9378.257
2.5	9361.755	9340.302	9360.105	9368.356	9373.307
5.0	8838.632	8782.524	8805.628	8840.282	8869.987
7.5	8046.522	7982.163	7907.902	8005.266	8114.181
10.0	7237.909	7081.137	6983.774	7170.250	7356.726
12.5	6315.430	6122.353	6115.753	6216.417	6427.646
15.0	5430.907	5214.727	5229.579	5300.539	5544.773
17.5	4582.689	4397.863	4392.912	4473.774	4673.452
20.0	3744.372	3609.053	3671.762	3668.461	3815.332
22.5	3057.876	2945.661	3047.975	2944.010	3031.473
25.0	2361.479	2443.991	2486.897	2424.188	2305.371
27.5	1277.278	1840.007	2059.487	1780.598	1214.569
30.0	681.545	907.627	1754.195	849.868	635.339
32.5	427.410	491.769	1389.494	470.316	389.454
35.0	237.633	290.440	721.151	280.539	219.481
37.5	127.068	160.072	268.987	155.122	122.117
40.0	66.009	87.462	146.870	85.812	66.009
42.5	33.005	47.857	82.512	46.206	34.655
45.0	18.153	26.404	47.857	26.404	18.153
47.5	13.202	14.852	28.054	14.852	13.202
50.0	11.552	11.552	14.852	11.552	11.552
52.5	9.901	9.901	11.552	9.901	9.901
55.0	8.251	9.901	9.901	9.901	8.251
57.5	8.251	8.251	9.901	8.251	6.601
60.0	6.601	8.251	8.251	8.251	6.601
62.5	6.601	8.251	8.251	8.251	6.601
65.0	6.601	6.601	8.251	8.251	6.601
67.5	6.601	8.251	8.251	8.251	6.601
70.0	8.251	8.251	6.601	8.251	8.251
72.5	8.251	8.251	6.601	6.601	8.251
75.0	4.951	6.601	6.601	6.601	6.601
77.5	3.300	4.951	6.601	4.951	3.300
80.0	3.300	4.951	6.601	4.951	3.300
82.5	3.300	4.951	4.951	4.951	3.300
85.0	3.300	4.951	4.951	4.951	3.300
87.5	3.300	6.601	6.601	4.951	3.300
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	2251.65	N.A.	61.70
0-30	3317.16	N.A.	91.00
0-40	3590.51	N.A.	98.40
0-60	3628.16	N.A.	99.50
0-80	3642.48	N.A.	99.90
0-90	3647.09	N.A.	100.00
10-90	2861.77	N.A.	78.50
20-40	1338.86	N.A.	36.70
20-50	1367.94	N.A.	37.50
40-70	45.33	N.A.	1.20
60-80	14.32	N.A.	0.40
70-80	6.64	N.A.	0.20
80-90	4.61	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	3647.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	785.32
10-20	1466.33
20-30	1065.51
30-40	273.35
40-50	29.08
50-60	8.57
60-70	7.68
70-80	6.64
80-90	4.61
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

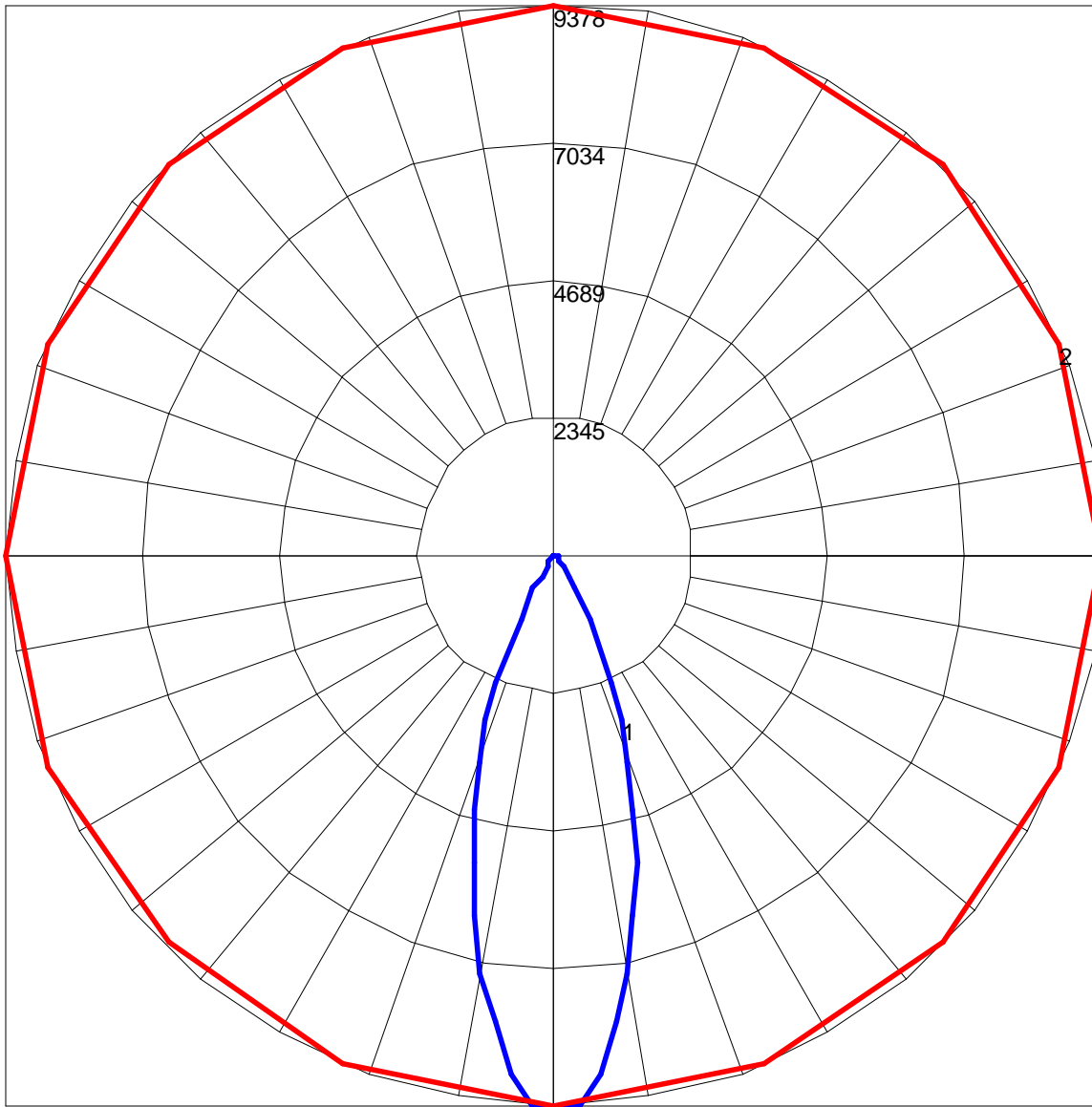
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	84	77	72	69	83	76	72	68	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

POLAR GRAPH



Maximum Candela = 9378.257 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.)