



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-36L-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-36L-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	2974
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	42
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	1067	4187	985
55	607	607	506
65	549	687	549
75	897	897	897
85	1332	1998	1332

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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	5313.100	5313.100	5313.100	5313.100	5313.100
2.5	5294.206	5299.604	5310.400	5321.197	5319.847
5.0	5120.117	5103.922	5085.029	5101.223	5103.922
7.5	4975.717	4882.599	4778.686	4834.016	4889.347
10.0	4846.162	4681.520	4547.916	4658.577	4777.336
12.5	4618.092	4425.109	4357.632	4399.468	4522.275
15.0	4331.991	4106.620	4068.833	4067.483	4229.427
17.5	3944.676	3739.548	3676.120	3693.664	3823.218
20.0	3400.816	3264.513	3236.173	3217.279	3302.300
22.5	2846.159	2736.847	2777.333	2684.215	2777.333
25.0	2253.715	2283.405	2296.900	2271.259	2209.181
27.5	1303.646	1720.651	1919.032	1742.243	1300.947
30.0	767.883	951.419	1632.931	940.622	780.028
32.5	508.773	566.803	1310.394	580.298	533.064
35.0	329.285	369.771	728.746	381.917	346.829
37.5	191.633	229.420	327.936	236.168	203.779
40.0	85.020	126.856	198.381	129.555	90.419
42.5	37.787	56.680	121.458	56.680	35.088
45.0	17.544	26.991	68.826	25.641	16.194
47.5	12.146	13.495	32.389	13.495	12.146
50.0	10.796	10.796	16.194	10.796	9.447
52.5	8.097	9.447	9.447	9.447	8.097
55.0	8.097	8.097	8.097	8.097	6.748
57.5	6.748	6.748	8.097	8.097	6.748
60.0	6.748	6.748	8.097	6.748	6.748
62.5	5.398	6.748	6.748	6.748	5.398
65.0	5.398	6.748	6.748	6.748	5.398
67.5	5.398	6.748	6.748	6.748	6.748
70.0	6.748	6.748	5.398	6.748	6.748
72.5	8.097	6.748	5.398	6.748	6.748
75.0	5.398	5.398	5.398	5.398	5.398
77.5	4.049	5.398	5.398	5.398	4.049
80.0	2.699	4.049	5.398	4.049	2.699
82.5	2.699	4.049	4.049	4.049	2.699
85.0	2.699	4.049	4.049	4.049	2.699
87.5	2.699	5.398	5.398	4.049	2.699
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	1606.59	N.A.	54.00
0-30	2602.94	N.A.	87.50
0-40	2913.46	N.A.	98.00
0-60	2957.41	N.A.	99.50
0-80	2969.77	N.A.	99.90
0-90	2973.54	N.A.	100.00
10-90	2501.12	N.A.	84.10
20-40	1306.87	N.A.	43.90
20-50	1343.23	N.A.	45.20
40-70	50.44	N.A.	1.70
60-80	12.37	N.A.	0.40
70-80	5.88	N.A.	0.20
80-90	3.77	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	2973.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	472.42
10-20	1134.17
20-30	996.35
30-40	310.52
40-50	36.36
50-60	7.59
60-70	6.49
70-80	5.88
80-90	3.77
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

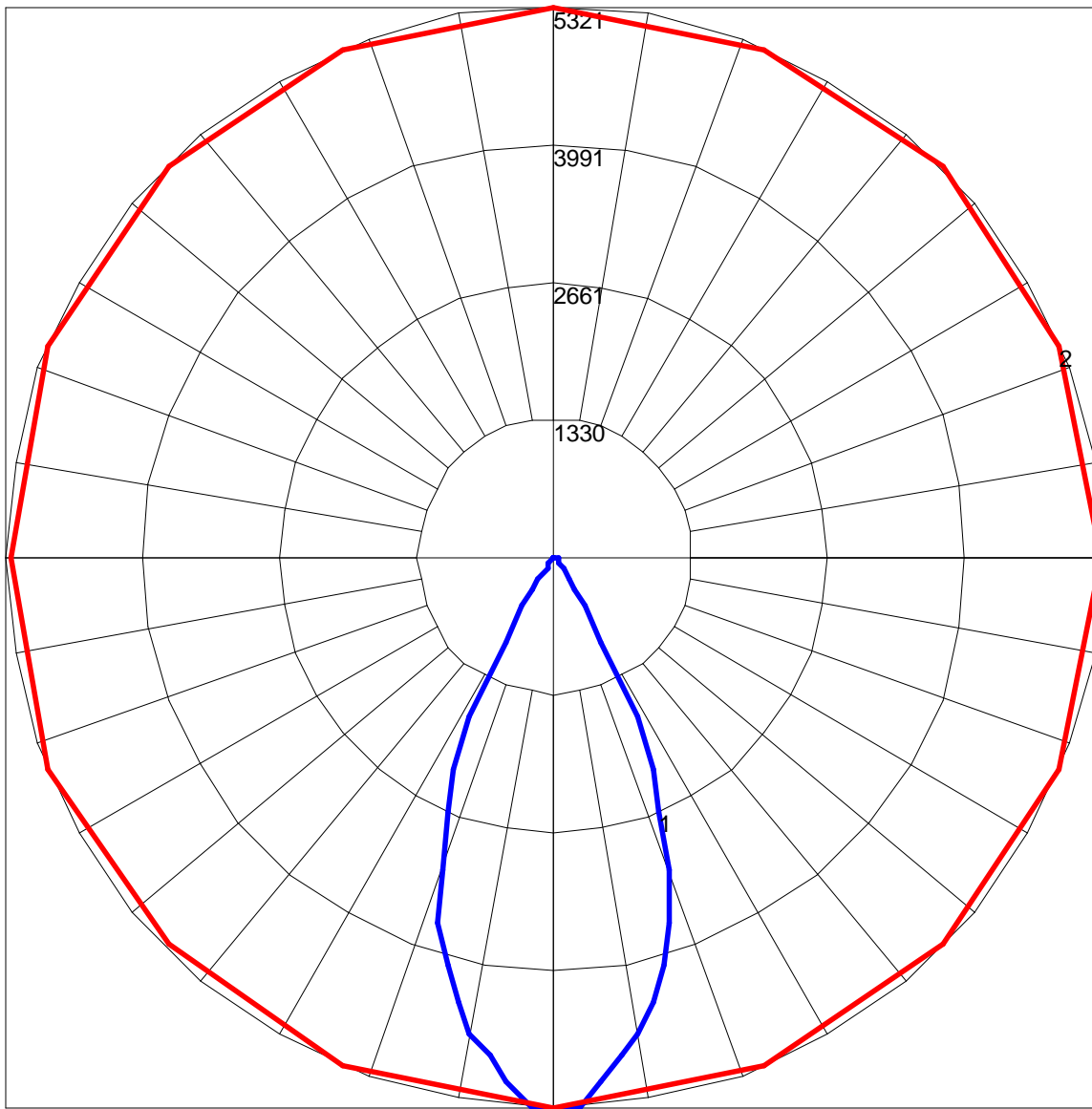
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 5321.197 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.)