



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-30-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-12L-30-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	1022
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	14
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	309	816	309
55	173	208	173
65	188	235	188
75	231	307	307
85	457	685	457

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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	2628.047	2628.047	2628.047	2628.047	2628.047
2.5	2623.422	2617.410	2622.960	2625.272	2626.659
5.0	2476.829	2461.106	2467.580	2477.291	2485.615
7.5	2254.858	2236.822	2216.013	2243.297	2273.818
10.0	2028.262	1984.330	1957.046	2009.302	2061.558
12.5	1769.758	1715.652	1713.803	1742.012	1801.204
15.0	1521.890	1461.310	1465.472	1485.357	1553.798
17.5	1284.196	1232.403	1231.015	1253.675	1309.630
20.0	1049.276	1011.356	1028.929	1028.004	1069.161
22.5	856.901	825.455	854.127	824.993	849.502
25.0	661.752	684.874	696.897	679.324	646.029
27.5	357.929	515.621	577.125	498.973	340.356
30.0	190.988	254.342	491.574	238.157	178.039
32.5	119.772	137.807	389.374	131.795	109.136
35.0	66.591	81.389	202.086	78.615	61.505
37.5	35.608	44.857	75.378	43.469	34.221
40.0	18.498	24.509	41.157	24.047	18.498
42.5	9.249	13.411	23.122	12.948	9.711
45.0	5.087	7.399	13.411	7.399	5.087
47.5	3.700	4.162	7.861	4.162	3.700
50.0	3.237	3.237	4.162	3.237	3.237
52.5	2.775	2.775	3.237	2.775	2.775
55.0	2.312	2.775	2.775	2.775	2.312
57.5	2.312	2.312	2.775	2.312	1.850
60.0	1.850	2.312	2.312	2.312	1.850
62.5	1.850	2.312	2.312	2.312	1.850
65.0	1.850	1.850	2.312	2.312	1.850
67.5	1.850	2.312	2.312	2.312	1.850
70.0	2.312	2.312	1.850	2.312	2.312
72.5	2.312	2.312	1.850	1.850	2.312
75.0	1.387	1.850	1.850	1.850	1.850
77.5	0.925	1.387	1.850	1.387	0.925
80.0	0.925	1.387	1.850	1.387	0.925
82.5	0.925	1.387	1.387	1.387	0.925
85.0	0.925	1.387	1.387	1.387	0.925
87.5	0.925	1.850	1.850	1.387	0.925
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	630.98	N.A.	61.70
0-30	929.56	N.A.	91.00
0-40	1006.16	N.A.	98.40
0-60	1016.71	N.A.	99.50
0-80	1020.72	N.A.	99.90
0-90	1022.02	N.A.	100.00
10-90	801.95	N.A.	78.50
20-40	375.19	N.A.	36.70
20-50	383.33	N.A.	37.50
40-70	12.70	N.A.	1.20
60-80	4.01	N.A.	0.40
70-80	1.86	N.A.	0.20
80-90	1.29	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	1022.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	220.07
10-20	410.91
20-30	298.59
30-40	76.60
40-50	8.15
50-60	2.40
60-70	2.15
70-80	1.86
80-90	1.29
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

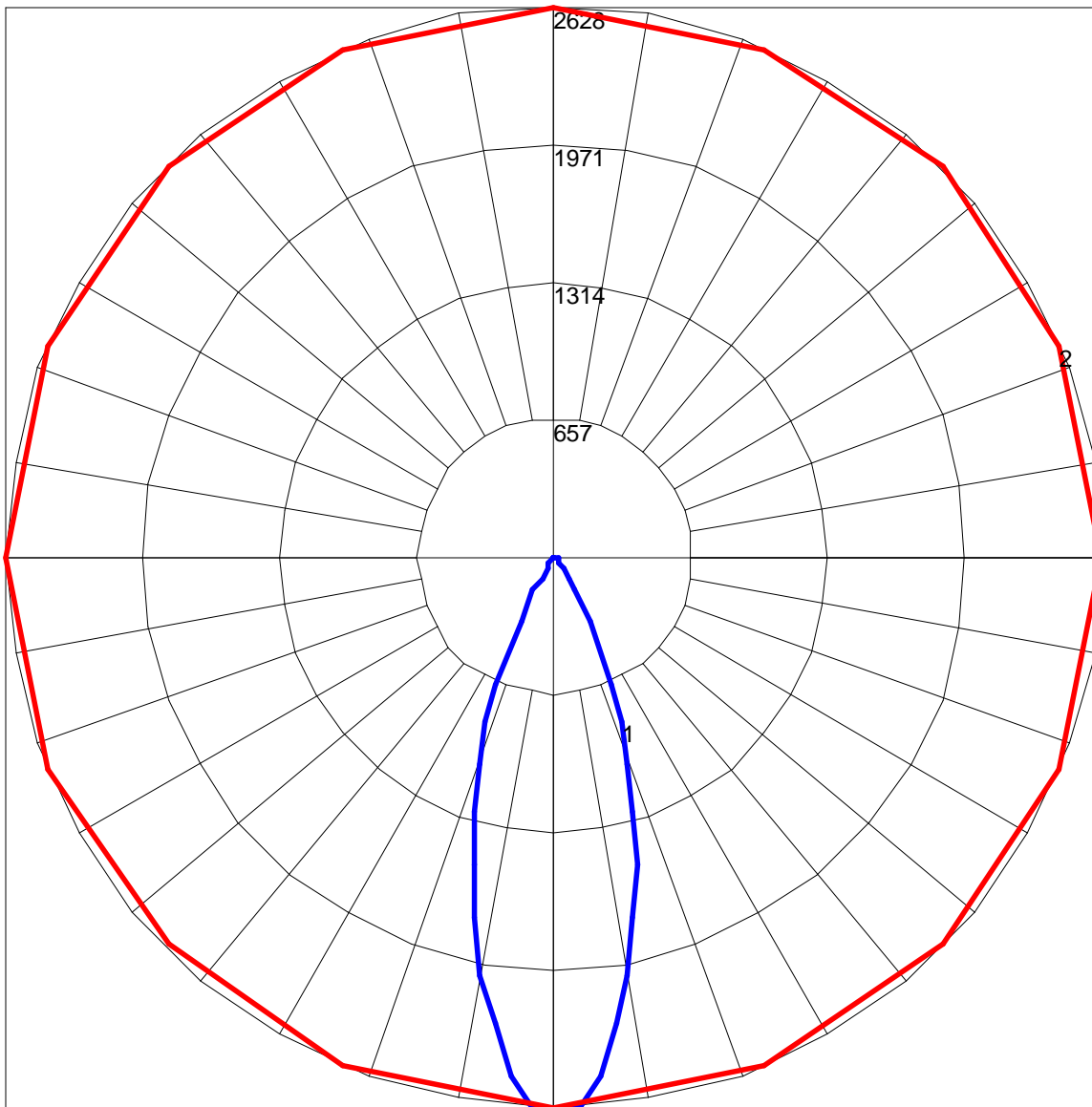
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	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 = 2628.047 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.)