



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-40-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
[MANUFACT]LSI INDUSTRIES, INC
[LUMCAT]LAD6SQ-LED-12L-40-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	1309
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	14
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	383	628	349
55	215	258	215
65	233	233	233
75	286	381	286
85	566	848	566

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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	6861.273	6861.273	6861.273	6861.273	6861.273
2.5	6796.511	6803.962	6801.669	6791.353	6793.646
5.0	5845.149	5849.161	5818.213	5803.312	5819.932
7.5	4501.206	4430.140	4355.063	4382.572	4436.444
10.0	3267.300	3171.591	3086.197	3136.058	3219.732
12.5	2319.376	2181.830	2186.988	2201.889	2289.574
15.0	1688.382	1581.784	1585.222	1592.673	1690.674
17.5	1307.837	1216.712	1193.215	1229.894	1319.872
20.0	1044.206	974.860	970.848	984.603	1049.937
22.5	852.788	788.599	817.828	789.172	850.495
25.0	649.907	671.112	685.440	669.392	650.480
27.5	312.345	499.752	585.718	493.448	310.053
30.0	130.669	210.331	515.799	201.162	124.938
32.5	67.054	94.563	414.359	91.698	63.042
35.0	37.825	49.861	197.150	48.141	35.533
37.5	24.071	28.082	53.872	26.936	22.924
40.0	16.047	17.193	25.217	17.193	14.901
42.5	9.743	11.462	14.901	11.462	9.743
45.0	6.304	7.450	10.316	7.450	5.731
47.5	4.585	4.585	6.877	4.585	4.585
50.0	4.012	4.012	5.158	4.012	3.439
52.5	2.866	3.439	3.439	3.439	2.866
55.0	2.866	2.866	3.439	2.866	2.866
57.5	2.292	2.866	2.866	2.866	2.292
60.0	2.292	2.866	2.866	2.866	2.292
62.5	2.292	2.292	2.292	2.292	2.292
65.0	2.292	2.292	2.292	2.292	2.292
67.5	2.292	2.292	2.292	2.292	2.292
70.0	2.292	2.292	2.292	2.292	2.292
72.5	2.866	2.292	2.292	2.292	2.866
75.0	1.719	2.292	2.292	2.292	1.719
77.5	1.146	1.719	1.719	1.719	1.146
80.0	1.146	1.719	1.719	1.719	1.146
82.5	1.146	1.719	1.719	1.719	1.146
85.0	1.146	1.719	1.719	1.719	1.146
87.5	1.146	1.719	1.719	1.146	1.146
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	940.89	N.A.	71.90
0-30	1230.11	N.A.	94.00
0-40	1293.55	N.A.	98.80
0-60	1303.23	N.A.	99.50
0-80	1307.69	N.A.	99.90
0-90	1309.15	N.A.	100.00
10-90	844.61	N.A.	64.50
20-40	352.66	N.A.	26.90
20-50	359.55	N.A.	27.50
40-70	12.01	N.A.	0.90
60-80	4.46	N.A.	0.30
70-80	2.14	N.A.	0.20
80-90	1.46	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	1309.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	464.55
10-20	476.34
20-30	289.22
30-40	63.44
40-50	6.89
50-60	2.79
60-70	2.33
70-80	2.14
80-90	1.46
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

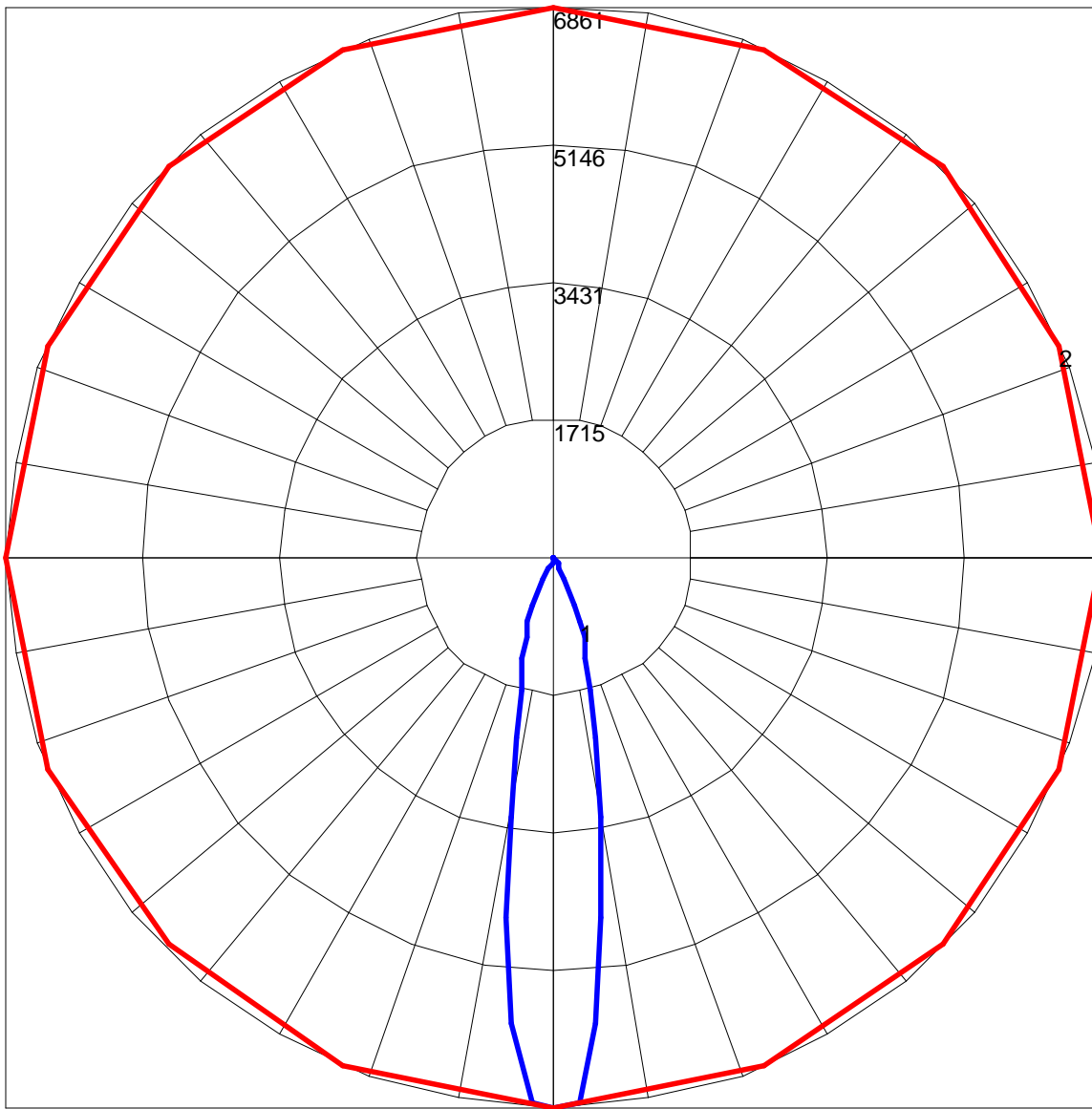
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6861.273 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.)