



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-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-22L-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	1843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	21.7
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	540	884	491
55	303	363	303
65	329	329	329
75	402	536	402
85	797	1195	797

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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	9660.326	9660.326	9660.326	9660.326	9660.326
2.5	9569.145	9579.635	9576.408	9561.883	9565.111
5.0	8229.675	8235.323	8191.750	8170.770	8194.171
7.5	6337.471	6237.414	6131.709	6170.441	6246.290
10.0	4600.194	4465.440	4345.210	4415.411	4533.220
12.5	3265.565	3071.906	3079.168	3100.148	3223.605
15.0	2377.157	2227.072	2231.913	2242.403	2380.384
17.5	1841.369	1713.070	1679.987	1731.629	1858.314
20.0	1470.190	1372.554	1366.906	1386.271	1478.259
22.5	1200.682	1110.308	1151.461	1111.115	1197.454
25.0	915.036	944.892	965.064	942.471	915.843
27.5	439.766	703.626	824.662	694.749	436.538
30.0	183.975	296.136	726.219	283.225	175.906
32.5	94.408	133.140	583.396	129.106	88.760
35.0	53.256	70.201	277.577	67.780	50.028
37.5	33.890	39.539	75.850	37.925	32.276
40.0	22.593	24.207	35.504	24.207	20.980
42.5	13.717	16.138	20.980	16.138	13.717
45.0	8.876	10.490	14.524	10.490	8.069
47.5	6.455	6.455	9.683	6.455	6.455
50.0	5.648	5.648	7.262	5.648	4.841
52.5	4.035	4.841	4.841	4.841	4.035
55.0	4.035	4.035	4.841	4.035	4.035
57.5	3.228	4.035	4.035	4.035	3.228
60.0	3.228	4.035	4.035	4.035	3.228
62.5	3.228	3.228	3.228	3.228	3.228
65.0	3.228	3.228	3.228	3.228	3.228
67.5	3.228	3.228	3.228	3.228	3.228
70.0	3.228	3.228	3.228	3.228	3.228
72.5	4.035	3.228	3.228	3.228	4.035
75.0	2.421	3.228	3.228	3.228	2.421
77.5	1.614	2.421	2.421	2.421	1.614
80.0	1.614	2.421	2.421	2.421	1.614
82.5	1.614	2.421	2.421	2.421	1.614
85.0	1.614	2.421	2.421	2.421	1.614
87.5	1.614	2.421	2.421	1.614	1.614
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	1324.72	N.A.	71.90
0-30	1731.93	N.A.	94.00
0-40	1821.25	N.A.	98.80
0-60	1834.88	N.A.	99.50
0-80	1841.16	N.A.	99.90
0-90	1843.22	N.A.	100.00
10-90	1189.16	N.A.	64.50
20-40	496.52	N.A.	26.90
20-50	506.22	N.A.	27.50
40-70	16.91	N.A.	0.90
60-80	6.29	N.A.	0.30
70-80	3.01	N.A.	0.20
80-90	2.06	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	1843.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	654.06
10-20	670.66
20-30	407.21
30-40	89.31
40-50	9.70
50-60	3.93
60-70	3.28
70-80	3.01
80-90	2.06
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

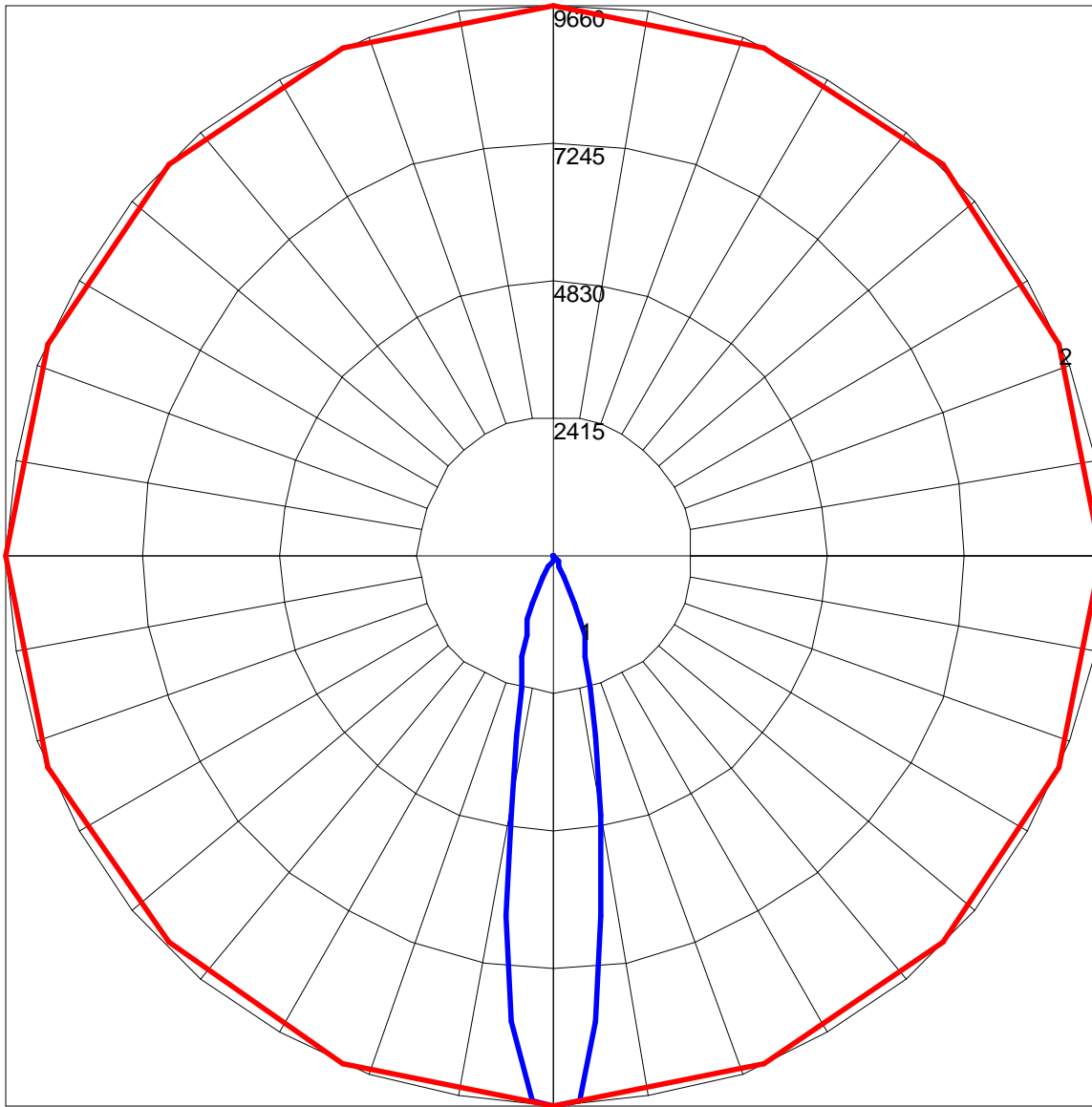
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9660.326 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.)