



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-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
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LAD6SQ-LED-22L-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	2284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
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	669	1095	608
55	375	450	375
65	407	407	407
75	499	665	499
85	987	1481	987

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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	11971.880	11971.880	11971.880	11971.880	11971.880
2.5	11858.881	11871.881	11867.881	11849.881	11853.881
5.0	10198.898	10205.898	10151.898	10125.899	10154.898
7.5	7853.921	7729.923	7598.924	7646.923	7740.922
10.0	5700.943	5533.945	5384.946	5471.945	5617.944
12.5	4046.959	3806.962	3815.962	3841.962	3994.960
15.0	2945.970	2759.972	2765.972	2778.972	2949.970
17.5	2281.977	2122.979	2081.979	2145.979	2302.977
20.0	1821.982	1700.983	1693.983	1717.983	1831.982
22.5	1487.985	1375.986	1426.986	1376.986	1483.985
25.0	1133.989	1170.988	1195.988	1167.988	1134.989
27.5	544.995	871.991	1021.990	860.991	540.995
30.0	227.998	366.996	899.991	350.996	217.998
32.5	116.999	164.998	722.993	159.998	109.999
35.0	65.999	86.999	343.997	83.999	61.999
37.5	42.000	49.000	93.999	47.000	40.000
40.0	28.000	30.000	44.000	30.000	26.000
42.5	17.000	20.000	26.000	20.000	17.000
45.0	11.000	13.000	18.000	13.000	10.000
47.5	8.000	8.000	12.000	8.000	8.000
50.0	7.000	7.000	9.000	7.000	6.000
52.5	5.000	6.000	6.000	6.000	5.000
55.0	5.000	5.000	6.000	5.000	5.000
57.5	4.000	5.000	5.000	5.000	4.000
60.0	4.000	5.000	5.000	5.000	4.000
62.5	4.000	4.000	4.000	4.000	4.000
65.0	4.000	4.000	4.000	4.000	4.000
67.5	4.000	4.000	4.000	4.000	4.000
70.0	4.000	4.000	4.000	4.000	4.000
72.5	5.000	4.000	4.000	4.000	5.000
75.0	3.000	4.000	4.000	4.000	3.000
77.5	2.000	3.000	3.000	3.000	2.000
80.0	2.000	3.000	3.000	3.000	2.000
82.5	2.000	3.000	3.000	3.000	2.000
85.0	2.000	3.000	3.000	3.000	2.000
87.5	2.000	3.000	3.000	2.000	2.000
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	1641.71	N.A.	71.90
0-30	2146.36	N.A.	94.00
0-40	2257.04	N.A.	98.80
0-60	2273.93	N.A.	99.50
0-80	2281.72	N.A.	99.90
0-90	2284.28	N.A.	100.00
10-90	1473.71	N.A.	64.50
20-40	615.33	N.A.	26.90
20-50	627.35	N.A.	27.50
40-70	20.95	N.A.	0.90
60-80	7.79	N.A.	0.30
70-80	3.73	N.A.	0.20
80-90	2.56	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	2284.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	810.57
10-20	831.14
20-30	504.65
30-40	110.69
40-50	12.02
50-60	4.87
60-70	4.06
70-80	3.73
80-90	2.56
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

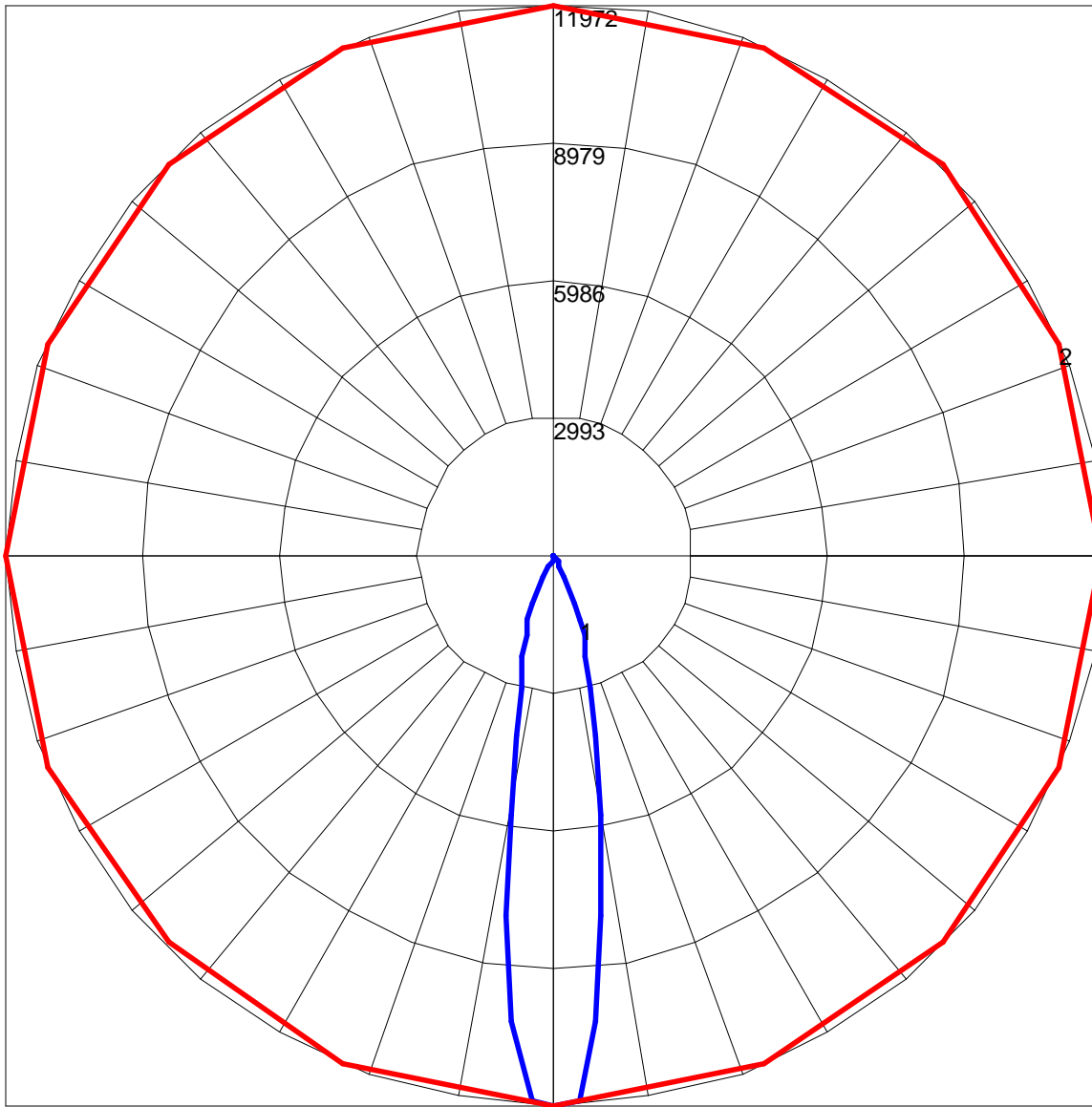
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 11971.88 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.)