IES INDOOR REPORT
PHOTOMETRIC FILENAME : LAD4SQ-LED-22L-27-FL-TSQ4FX-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9866_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]03/07/18
[TESTDATE]03/07/18
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LAD4SQ-LED-22L-27-FL-TSQ4FX-WH
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	21.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9294	30794	8734
55	3451	4555	3589
65	937	1499	937
75	612	612	918
85	0	908	908

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	2199.871	2199.871	2199.871	2199.871	2199.871
2.5	2203.143	2203.961	2203.143	2201.507	2199.871
5.0	2179.418	2181.055	2181.873	2180.236	2182.691
7.5	2137.695	2139.331	2141.786	2140.150	2145.876
10.0	2082.883	2088.609	2090.245	2092.700	2088.609
12.5	2023.161	2027.252	2032.160	2030.524	2027.252
15.0	1956.077	1957.713	1957.713	1958.531	1956.895
17.5	1846.452	1848.906	1847.270	1844.815	1843.179
20.0	1688.558	1689.376	1686.922	1685.286	1681.195
22.5	1486.488	1475.852	1484.851	1483.215	1478.307
25.0	1243.512	1253.329	1261.510	1258.238	1259.874
27.5	1027.534	1044.714	1057.803	1057.803	1046.350
30.0	840.189	870.458	899.092	884.366	853.278
32.5	671.660	719.110	770.650	726.473	684.750
35.0	517.857	580.033	651.208	584.941	529.311
37.5	385.325	449.137	536.674	449.955	377.144
40.0	248.702	329.694	425.412	325.604	251.157
42.5	147.258	222.523	319.059	213.524	134.168
45.0	67.902	129.260	224.977	124.351	63.812
47.5	36.814	59.721	139.077	58.903	36.814
50.0	29.452	33.542	76.083	34.360	30.270
52.5	23.725	26.997	40.087	27.815	25.361
55.0	20.452	22.089	26.997	22.907	21.271
57.5	15.544	17.998	22.089	18.816	17.180
60.0	8.999	12.271	17.180	13.090	9.817
62.5	5.727	6.545	11.453	7.363	5.727
65.0	4.090	4.909	6.545	4.909	4.090
67.5	3.272	3.272	4.090	4.090	3.272
70.0	2.454	2.454	3.272	2.454	2.454
72.5	2.454	2.454	2.454	2.454	2.454
75.0	1.636	2.454	1.636	2.454	2.454
77.5	1.636	1.636	1.636	1.636	1.636
80.0	0.818	0.818	0.818	0.818	0.818
82.5	0.000	0.000	0.818	0.818	0.818
85.0	0.000	0.818	0.818	0.818	0.818
87.5	0.000	0.000	0.818	0.818	0.818
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	746.71	N.A.	40.70
0-30	1321.88	N.A.	72.00
0-40	1686.95	N.A.	91.90
0-60	1826.44	N.A.	99.50
0-80	1834.53	N.A.	100.00
0-90	1835.12	N.A.	100.00
10-90	1629.96	N.A.	88.80
20-40	940.23	N.A.	51.20
20-50	1057.5	N.A.	57.60
40-70	145.48	N.A.	7.90
60-80	8.09	N.A.	0.40
70-80	2.10	N.A.	0.10
80-90	0.59	N.A.	0.00
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	1835.12	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.15
10-20	541.56
20-30	575.17
30-40	365.07
40-50	117.27
50-60	22.22
60-70	5.99
70-80	2.10
80-90	0.59
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	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	70	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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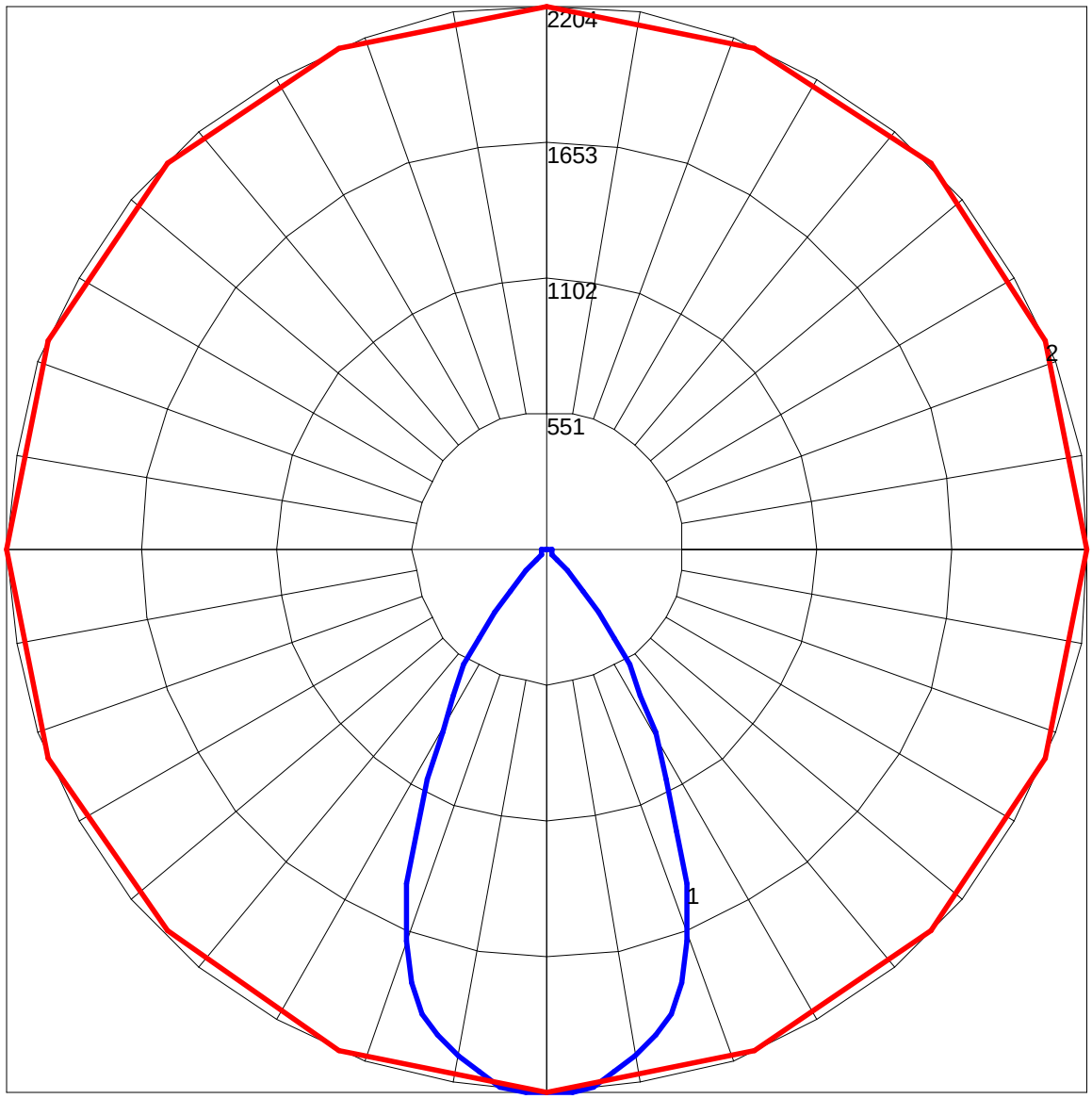
POLAR GRAPH



Maximum Candela = 2203.961 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)