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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9865_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]03/07/18
[TESTDATE]03/07/18
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LAD4SQ-LED-22L-27-MF-TSQ4FX-WH
[_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	1861
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	21.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.72
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	11197	32358	9965
55	3313	4693	3451
65	937	2248	937
75	918	612	918
85	0	908	908

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	2788.630	2788.630	2788.630	2788.630	2788.630
2.5	2792.720	2791.902	2792.720	2791.902	2792.720
5.0	2773.088	2777.996	2773.906	2769.816	2773.088
7.5	2724.007	2720.734	2724.825	2729.733	2733.005
10.0	2616.028	2619.300	2623.390	2622.572	2628.298
12.5	2422.157	2434.427	2442.608	2441.790	2440.972
15.0	2146.484	2156.301	2157.937	2165.299	2157.937
17.5	1820.094	1824.185	1824.185	1819.276	1824.185
20.0	1520.699	1512.519	1515.791	1513.337	1517.427
22.5	1267.113	1260.569	1260.569	1263.023	1267.931
25.0	1087.149	1085.513	1085.513	1083.876	1080.604
27.5	923.545	947.267	953.811	940.723	927.635
30.0	781.209	816.384	850.741	816.384	783.663
32.5	646.236	692.863	746.034	690.409	644.600
35.0	511.262	569.342	633.965	564.434	507.990
37.5	375.471	443.367	524.351	436.823	370.563
40.0	251.950	329.662	420.462	322.300	240.498
42.5	147.244	227.410	323.118	218.411	139.881
45.0	81.802	140.699	236.408	129.247	72.804
47.5	52.353	75.258	157.878	70.350	49.081
50.0	44.173	46.627	92.436	45.809	42.537
52.5	33.539	35.175	47.445	35.175	31.903
55.0	19.632	22.905	27.813	23.723	20.450
57.5	13.906	14.724	19.632	15.542	13.906
60.0	11.452	12.270	13.906	12.270	10.634
62.5	6.544	8.998	11.452	8.998	6.544
65.0	4.090	4.908	9.816	4.908	4.090
67.5	3.272	3.272	4.908	3.272	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	2.454	2.454	1.636	2.454	2.454
77.5	1.636	1.636	1.636	1.636	1.636
80.0	0.000	0.818	0.818	0.818	0.818
82.5	0.000	0.000	0.818	0.818	0.818
85.0	0.000	0.000	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	844.89	N.A.	45.40
0-30	1351.27	N.A.	72.60
0-40	1703.41	N.A.	91.50
0-60	1852.21	N.A.	99.50
0-80	1860.74	N.A.	100.00
0-90	1861.26	N.A.	100.00
10-90	1601.1	N.A.	86.00
20-40	858.52	N.A.	46.10
20-50	982.60	N.A.	52.80
40-70	155.22	N.A.	8.30
60-80	8.53	N.A.	0.50
70-80	2.12	N.A.	0.10
80-90	0.52	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	1861.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	260.16
10-20	584.73
20-30	506.39
30-40	352.13
40-50	124.08
50-60	24.72
60-70	6.42
70-80	2.12
80-90	0.52
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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	70	88	80	74	70	78	73	70	77	73	69	75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	59	55	63	58	55	62	58	55	54

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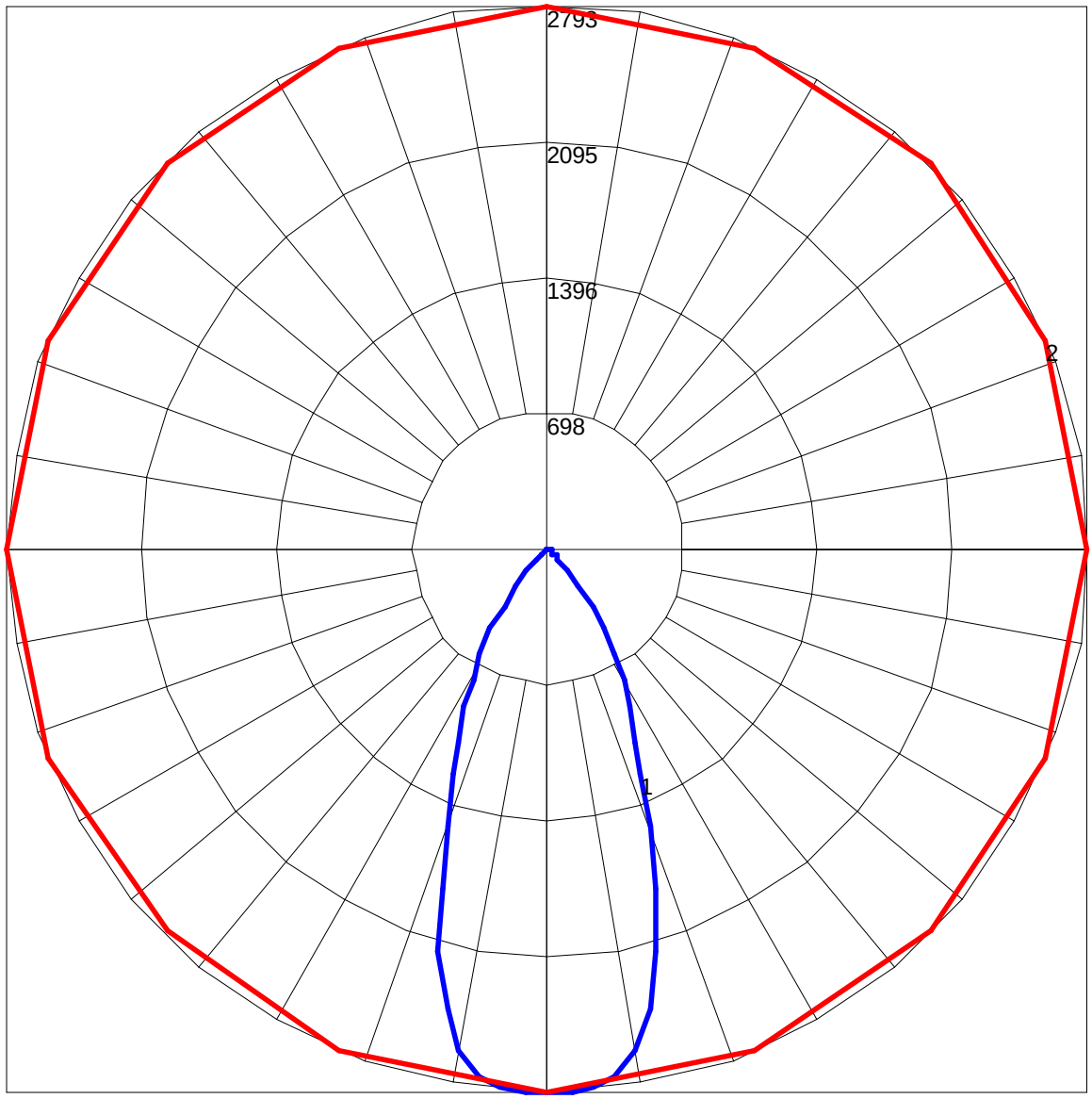
POLAR GRAPH



Maximum Candela = 2792.72 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)