



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-27-NF-TSQ6-HAZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9875_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-NF-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	1783
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.60
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	1423	540
55	303	363	303
65	328	411	328
75	402	536	536
85	797	1194	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	4584.988	4584.988	4584.988	4584.988	4584.988
2.5	4576.920	4566.431	4576.113	4580.147	4582.567
5.0	4321.167	4293.736	4305.031	4321.974	4336.496
7.5	3933.908	3902.443	3866.138	3913.738	3966.986
10.0	3538.581	3461.936	3414.335	3505.503	3596.670
12.5	3087.585	2993.191	2989.964	3039.178	3142.447
15.0	2655.146	2549.456	2556.717	2591.409	2710.814
17.5	2240.456	2150.095	2147.675	2187.208	2284.829
20.0	1830.606	1764.450	1795.108	1793.494	1865.298
22.5	1494.982	1440.120	1490.141	1439.313	1482.073
25.0	1154.516	1194.856	1215.833	1185.175	1127.086
27.5	624.455	899.571	1006.874	870.526	593.797
30.0	333.204	443.734	857.618	415.497	310.614
32.5	208.959	240.423	679.317	229.935	190.402
35.0	116.178	141.995	352.567	137.154	107.303
37.5	62.123	78.259	131.507	75.838	59.702
40.0	32.272	42.760	71.804	41.953	32.272
42.5	16.136	23.397	40.339	22.590	16.943
45.0	8.875	12.909	23.397	12.909	8.875
47.5	6.454	7.261	13.715	7.261	6.454
50.0	5.648	5.648	7.261	5.648	5.648
52.5	4.841	4.841	5.648	4.841	4.841
55.0	4.034	4.841	4.841	4.841	4.034
57.5	4.034	4.034	4.841	4.034	3.227
60.0	3.227	4.034	4.034	4.034	3.227
62.5	3.227	4.034	4.034	4.034	3.227
65.0	3.227	3.227	4.034	4.034	3.227
67.5	3.227	4.034	4.034	4.034	3.227
70.0	4.034	4.034	3.227	4.034	4.034
72.5	4.034	4.034	3.227	3.227	4.034
75.0	2.420	3.227	3.227	3.227	3.227
77.5	1.614	2.420	3.227	2.420	1.614
80.0	1.614	2.420	3.227	2.420	1.614
82.5	1.614	2.420	2.420	2.420	1.614
85.0	1.614	2.420	2.420	2.420	1.614
87.5	1.614	3.227	3.227	2.420	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	1100.82	N.A.	61.70
0-30	1621.75	N.A.	91.00
0-40	1755.38	N.A.	98.40
0-60	1773.79	N.A.	99.50
0-80	1780.79	N.A.	99.90
0-90	1783.05	N.A.	100.00
10-90	1399.1	N.A.	78.50
20-40	654.56	N.A.	36.70
20-50	668.78	N.A.	37.50
40-70	22.16	N.A.	1.20
60-80	7.00	N.A.	0.40
70-80	3.25	N.A.	0.20
80-90	2.25	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	1783.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	383.94
10-20	716.88
20-30	520.92
30-40	133.64
40-50	14.22
50-60	4.19
60-70	3.75
70-80	3.25
80-90	2.25
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

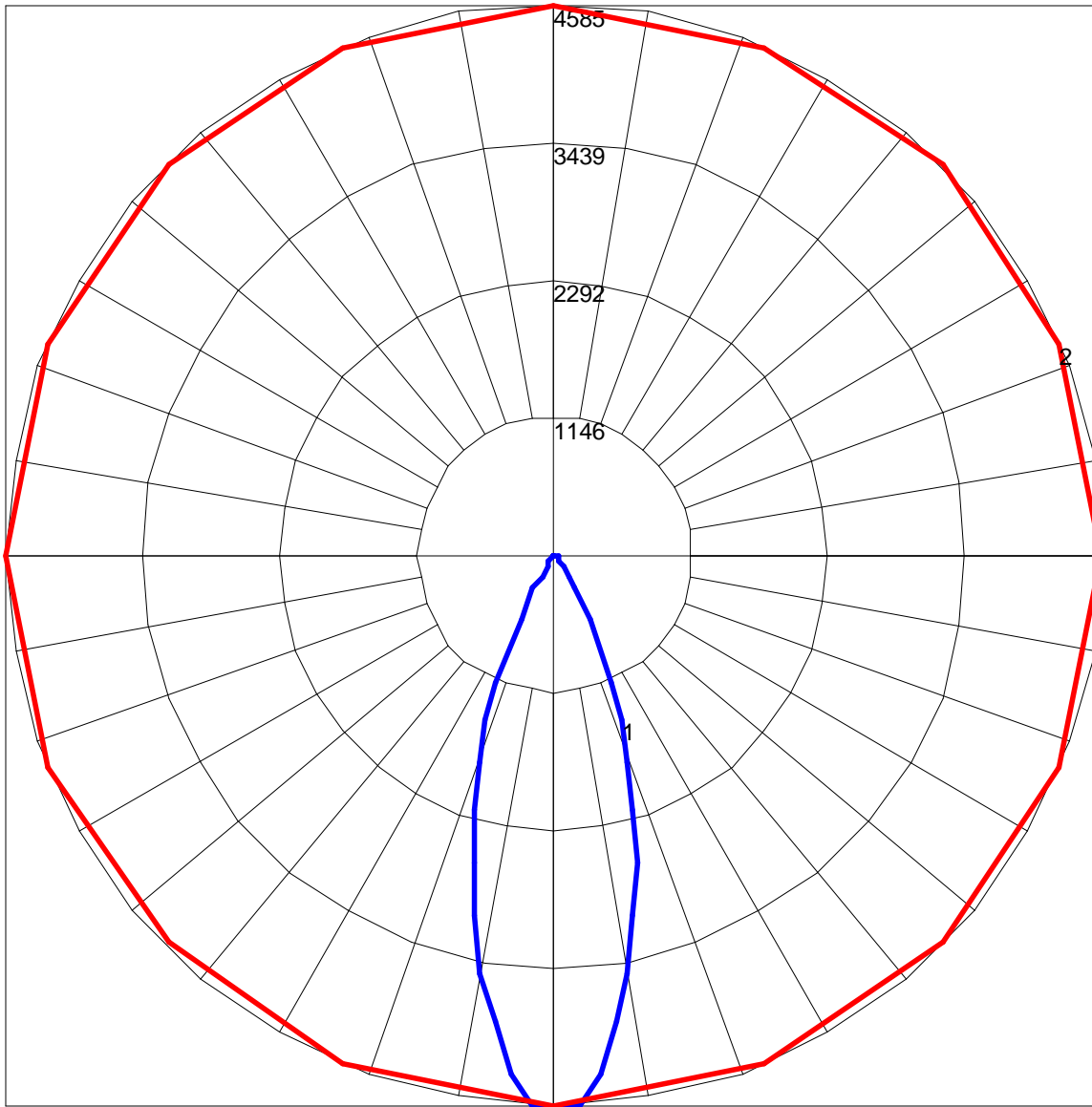
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	84	77	72	69	83	76	72	68	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

POLAR GRAPH



Maximum Candela = 4584.988 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.)