



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-22L-35-SP-TSQ6-HAZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9874

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]03/09/18

[TEST DATE]03/09/18

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]LAD6SQ-LED-22L-35-SP-TSQ6-HAZ

[_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	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	11972	11972	11972	11972	11972
2.5	11859	11872	11868	11850	11854
5.0	10199	10206	10152	10126	10155
7.5	7854	7730	7599	7647	7741
10.0	5701	5534	5385	5472	5618
12.5	4047	3807	3816	3842	3995
15.0	2946	2760	2766	2779	2950
17.5	2282	2123	2082	2146	2303
20.0	1822	1701	1694	1718	1832
22.5	1488	1376	1427	1377	1484
25.0	1134	1171	1196	1168	1135
27.5	545	872	1022	861	541
30.0	228	367	900	351	218
32.5	117	165	723	160	110
35.0	66	87	344	84	62
37.5	42	49	94	47	40
40.0	28	30	44	30	26
42.5	17	20	26	20	17
45.0	11	13	18	13	10
47.5	8	8	12	8	8
50.0	7	7	9	7	6
52.5	5	6	6	6	5
55.0	5	5	6	5	5
57.5	4	5	5	5	4
60.0	4	5	5	5	4
62.5	4	4	4	4	4
65.0	4	4	4	4	4
67.5	4	4	4	4	4
70.0	4	4	4	4	4
72.5	5	4	4	4	5
75.0	3	4	4	4	3
77.5	2	3	3	3	2
80.0	2	3	3	3	2
82.5	2	3	3	3	2
85.0	2	3	3	3	2
87.5	2	3	3	2	2
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1641.72	N.A.	71.90
0-30	2146.38	N.A.	94.00
0-40	2257.06	N.A.	98.80
0-60	2273.96	N.A.	99.50
0-80	2281.74	N.A.	99.90
0-90	2284.3	N.A.	100.00
10-90	1473.73	N.A.	64.50
20-40	615.34	N.A.	26.90
20-50	627.36	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	2284.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	810.57
10-20	831.15
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

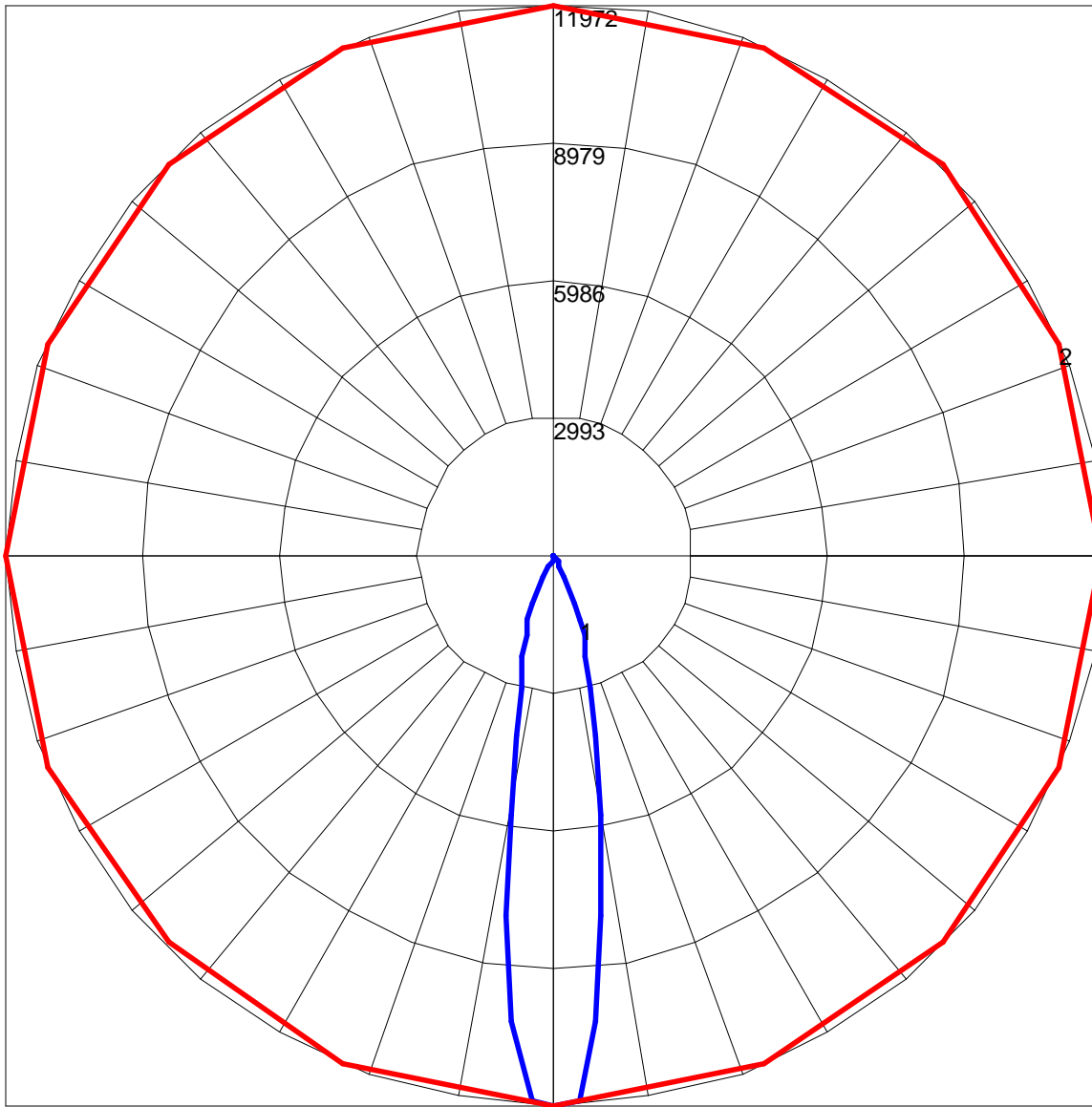
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 11972 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.)