



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-35-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-28L-35-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	2946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	32
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	863	1412	785
55	484	580	484
65	525	525	525
75	643	857	643
85	1273	1910	1273

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-35-SP-TSQ6-HAZ.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	15441.964	15441.964	15441.964	15441.964	15441.964
2.5	15296.212	15312.980	15307.821	15284.604	15289.763
5.0	13155.078	13164.107	13094.456	13060.920	13098.325
7.5	10130.403	9970.463	9801.494	9863.406	9984.651
10.0	7353.378	7137.974	6945.788	7058.004	7246.321
12.5	5219.982	4910.421	4922.029	4955.565	5152.911
15.0	3799.869	3559.958	3567.697	3584.465	3805.028
17.5	2943.415	2738.330	2685.447	2767.997	2970.501
20.0	2350.088	2194.018	2184.989	2215.945	2362.987
22.5	1919.282	1774.820	1840.602	1776.110	1914.123
25.0	1462.679	1510.403	1542.649	1506.533	1463.968
27.5	702.963	1124.740	1318.216	1110.552	697.803
30.0	294.084	473.371	1160.856	452.734	281.185
32.5	150.911	212.824	932.554	206.374	141.882
35.0	85.129	112.216	443.705	108.347	79.970
37.5	54.173	63.202	121.245	60.622	51.594
40.0	36.116	38.695	56.753	38.695	33.536
42.5	21.927	25.797	33.536	25.797	21.927
45.0	14.188	16.768	23.217	16.768	12.898
47.5	10.319	10.319	15.478	10.319	10.319
50.0	9.029	9.029	11.609	9.029	7.739
52.5	6.449	7.739	7.739	7.739	6.449
55.0	6.449	6.449	7.739	6.449	6.449
57.5	5.159	6.449	6.449	6.449	5.159
60.0	5.159	6.449	6.449	6.449	5.159
62.5	5.159	5.159	5.159	5.159	5.159
65.0	5.159	5.159	5.159	5.159	5.159
67.5	5.159	5.159	5.159	5.159	5.159
70.0	5.159	5.159	5.159	5.159	5.159
72.5	6.449	5.159	5.159	5.159	6.449
75.0	3.870	5.159	5.159	5.159	3.870
77.5	2.580	3.870	3.870	3.870	2.580
80.0	2.580	3.870	3.870	3.870	2.580
82.5	2.580	3.870	3.870	3.870	2.580
85.0	2.580	3.870	3.870	3.870	2.580
87.5	2.580	3.870	3.870	2.580	2.580
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-35-SP-TSQ6-HAZ.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2117.56	N.A.	71.90
0-30	2768.48	N.A.	94.00
0-40	2911.25	N.A.	98.80
0-60	2933.04	N.A.	99.50
0-80	2943.08	N.A.	99.90
0-90	2946.38	N.A.	100.00
10-90	1900.87	N.A.	64.50
20-40	793.69	N.A.	26.90
20-50	809.20	N.A.	27.50
40-70	27.03	N.A.	0.90
60-80	10.05	N.A.	0.30
70-80	4.81	N.A.	0.20
80-90	3.30	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	2946.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1045.51
10-20	1072.05
20-30	650.92
30-40	142.77
40-50	15.51
50-60	6.28
60-70	5.24
70-80	4.81
80-90	3.30
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

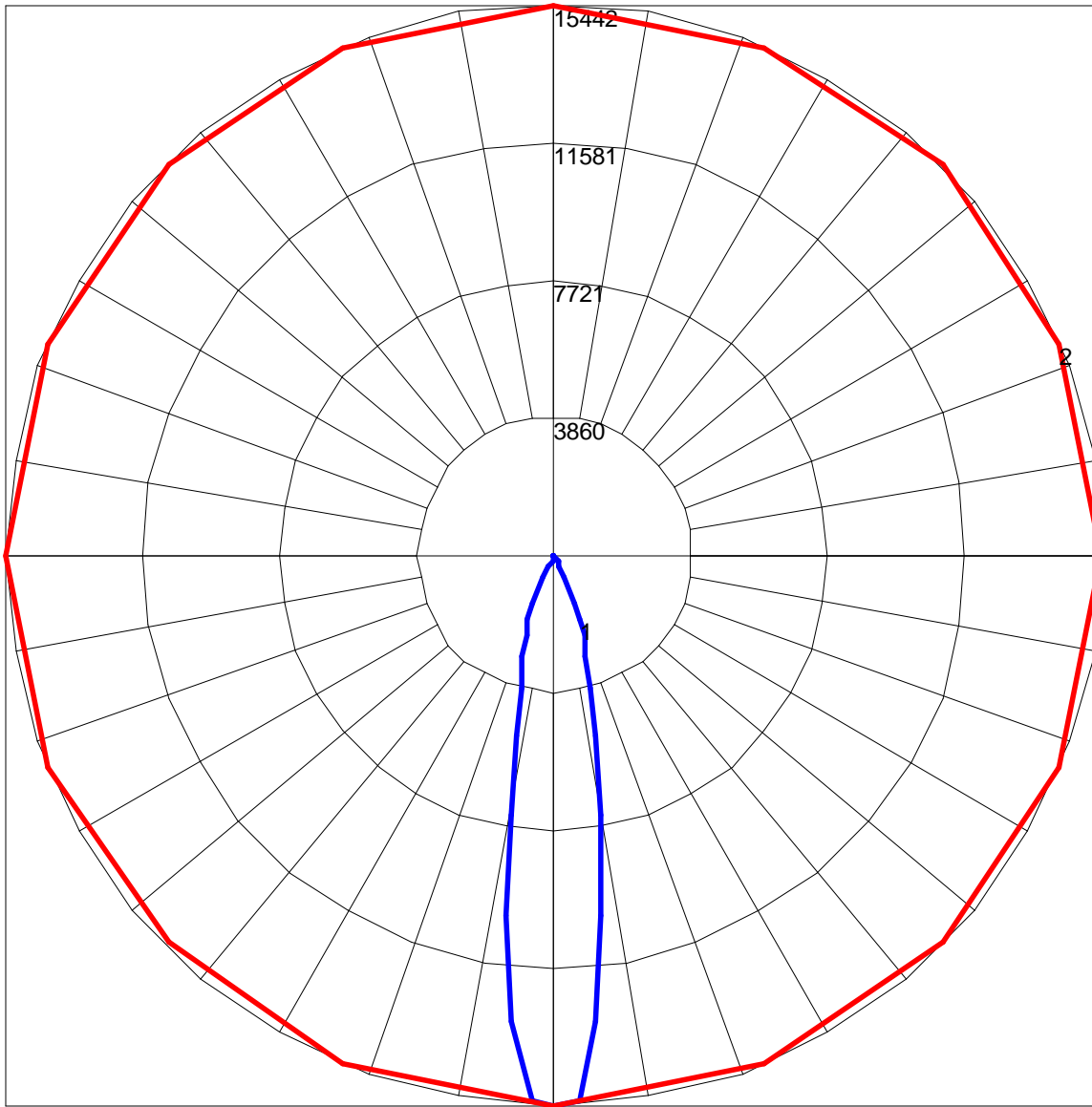
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-35-SP-TSQ6-HAZ.IES

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 = 15441.964 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.)