



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-12L-30-FL-TSQ6-HAZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9876_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/09/18
[TEST DATE]03/09/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LAD6SQ-LED-12L-30-FL-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	1033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.74
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	371	1455	342
55	211	211	176
65	191	239	191
75	312	312	312
85	463	694	463

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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	1846.099	1846.099	1846.099	1846.099	1846.099
2.5	1839.534	1841.410	1845.161	1848.912	1848.443
5.0	1779.045	1773.418	1766.853	1772.480	1773.418
7.5	1728.871	1696.516	1660.410	1679.636	1698.861
10.0	1683.856	1626.649	1580.227	1618.677	1659.941
12.5	1604.610	1537.556	1514.110	1528.647	1571.317
15.0	1505.201	1426.893	1413.764	1413.295	1469.564
17.5	1370.624	1299.350	1277.311	1283.407	1328.422
20.0	1181.653	1134.293	1124.446	1117.881	1147.423
22.5	988.931	950.949	965.017	932.662	965.017
25.0	783.080	793.396	798.085	789.176	767.606
27.5	452.967	597.860	666.790	605.363	452.029
30.0	266.810	330.582	567.381	326.830	271.030
32.5	176.779	196.942	455.312	201.631	185.219
35.0	114.414	128.481	253.211	132.702	120.510
37.5	66.585	79.715	113.945	82.059	70.805
40.0	29.541	44.078	68.930	45.015	31.417
42.5	13.129	19.694	42.202	19.694	12.192
45.0	6.096	9.378	23.914	8.909	5.627
47.5	4.220	4.689	11.254	4.689	4.220
50.0	3.751	3.751	5.627	3.751	3.282
52.5	2.813	3.282	3.282	3.282	2.813
55.0	2.813	2.813	2.813	2.813	2.345
57.5	2.345	2.345	2.813	2.813	2.345
60.0	2.345	2.345	2.813	2.345	2.345
62.5	1.876	2.345	2.345	2.345	1.876
65.0	1.876	2.345	2.345	2.345	1.876
67.5	1.876	2.345	2.345	2.345	2.345
70.0	2.345	2.345	1.876	2.345	2.345
72.5	2.813	2.345	1.876	2.345	2.345
75.0	1.876	1.876	1.876	1.876	1.876
77.5	1.407	1.876	1.876	1.876	1.407
80.0	0.938	1.407	1.876	1.407	0.938
82.5	0.938	1.407	1.407	1.407	0.938
85.0	0.938	1.407	1.407	1.407	0.938
87.5	0.938	1.876	1.876	1.407	0.938
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	558.23	N.A.	54.00
0-30	904.42	N.A.	87.50
0-40	1012.31	N.A.	98.00
0-60	1027.58	N.A.	99.50
0-80	1031.88	N.A.	99.90
0-90	1033.19	N.A.	100.00
10-90	869.04	N.A.	84.10
20-40	454.09	N.A.	44.00
20-50	466.72	N.A.	45.20
40-70	17.52	N.A.	1.70
60-80	4.30	N.A.	0.40
70-80	2.04	N.A.	0.20
80-90	1.31	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	1033.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.15
10-20	394.08
20-30	346.19
30-40	107.89
40-50	12.63
50-60	2.64
60-70	2.25
70-80	2.04
80-90	1.31
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

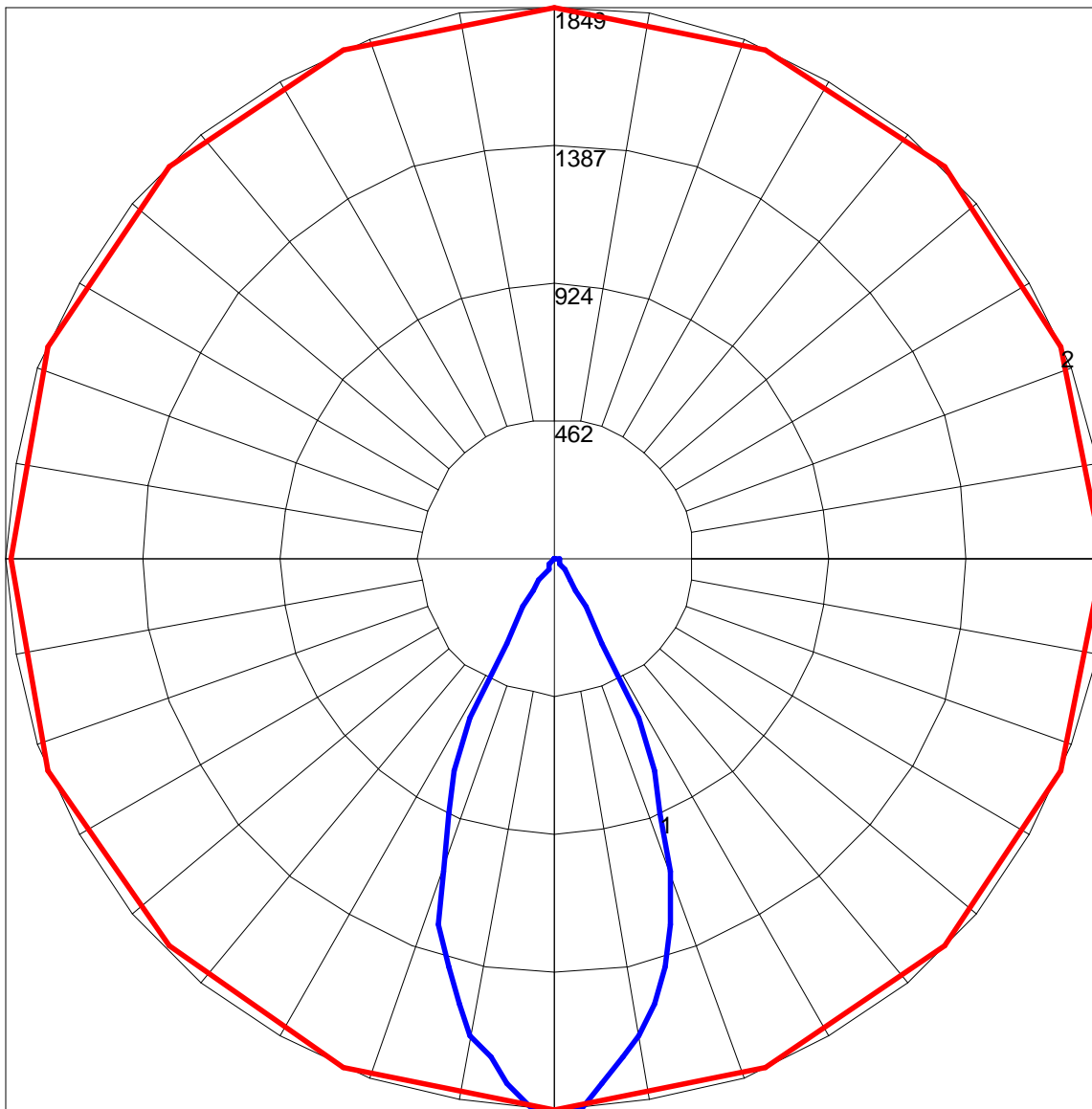
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	89	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	64	61	68	64	61	68	64	61	60

POLAR GRAPH



Maximum Candela = 1848.912 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)