



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LAD6SQ-LED-28L-30-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-28L-30-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	2301
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	32
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	697	1837	697
55	390	468	390
65	424	530	424
75	519	692	692
85	1028	1542	1028

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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	5917.026	5917.026	5917.026	5917.026	5917.026
2.5	5906.614	5893.079	5905.573	5910.779	5913.902
5.0	5576.560	5541.160	5555.737	5577.601	5596.343
7.5	5076.794	5036.188	4989.335	5050.764	5119.482
10.0	4566.616	4467.703	4406.274	4523.927	4641.581
12.5	3984.596	3862.778	3858.613	3922.125	4055.396
15.0	3426.523	3290.129	3299.499	3344.270	3498.365
17.5	2891.357	2774.745	2771.621	2822.639	2948.622
20.0	2362.437	2277.061	2316.626	2314.543	2407.208
22.5	1929.307	1858.506	1923.059	1857.465	1912.648
25.0	1489.929	1541.988	1569.058	1529.493	1454.528
27.5	805.873	1160.916	1299.393	1123.433	766.308
30.0	430.007	572.649	1106.774	536.208	400.854
32.5	269.666	310.272	876.674	296.736	245.718
35.0	149.930	183.248	454.996	177.001	138.477
37.5	80.171	100.994	169.712	97.871	77.047
40.0	41.647	55.183	92.665	54.141	41.647
42.5	20.824	30.194	52.059	29.153	21.865
45.0	11.453	16.659	30.194	16.659	11.453
47.5	8.329	9.371	17.700	9.371	8.329
50.0	7.288	7.288	9.371	7.288	7.288
52.5	6.247	6.247	7.288	6.247	6.247
55.0	5.206	6.247	6.247	6.247	5.206
57.5	5.206	5.206	6.247	5.206	4.165
60.0	4.165	5.206	5.206	5.206	4.165
62.5	4.165	5.206	5.206	5.206	4.165
65.0	4.165	4.165	5.206	5.206	4.165
67.5	4.165	5.206	5.206	5.206	4.165
70.0	5.206	5.206	4.165	5.206	5.206
72.5	5.206	5.206	4.165	4.165	5.206
75.0	3.124	4.165	4.165	4.165	4.165
77.5	2.082	3.124	4.165	3.124	2.082
80.0	2.082	3.124	4.165	3.124	2.082
82.5	2.082	3.124	3.124	3.124	2.082
85.0	2.082	3.124	3.124	3.124	2.082
87.5	2.082	4.165	4.165	3.124	2.082
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	1420.64	N.A.	61.70
0-30	2092.9	N.A.	91.00
0-40	2265.36	N.A.	98.40
0-60	2289.12	N.A.	99.50
0-80	2298.15	N.A.	99.90
0-90	2301.06	N.A.	100.00
10-90	1805.58	N.A.	78.50
20-40	844.73	N.A.	36.70
20-50	863.07	N.A.	37.50
40-70	28.60	N.A.	1.20
60-80	9.04	N.A.	0.40
70-80	4.19	N.A.	0.20
80-90	2.91	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	2301.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	495.49
10-20	925.15
20-30	672.26
30-40	172.46
40-50	18.35
50-60	5.41
60-70	4.84
70-80	4.19
80-90	2.91
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

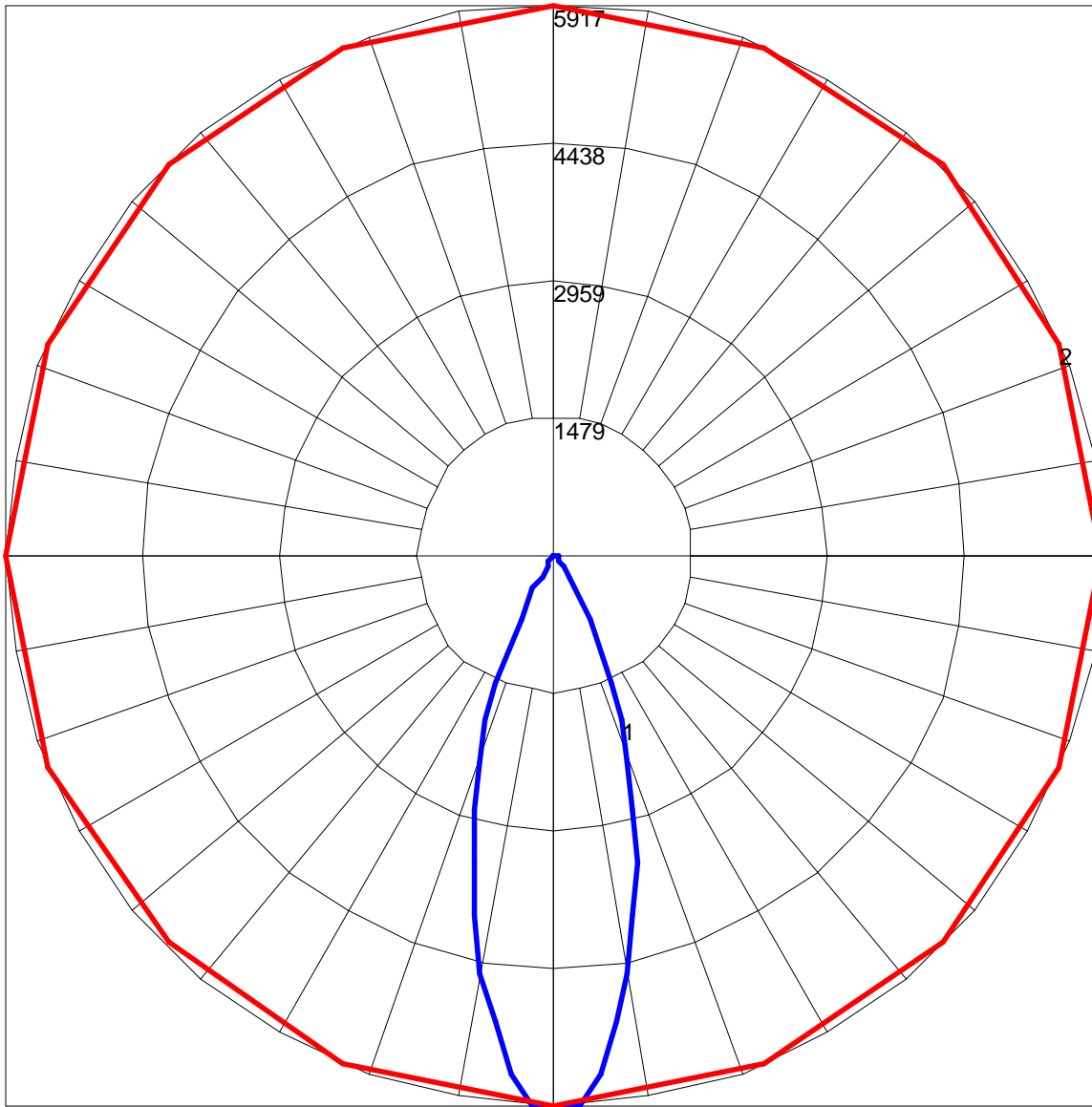
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 5917.026 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.)