



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-NW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3545A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]3/8/16
[TEST DATE]10/23/12
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]MWW-4-LED-SS-NW
[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	2448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.52
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7692	6166	2876
55	9482	7395	2925
65	13032	9224	2996
75	14218	13977	3061
85	16245	15243	3793

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-NW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	493.00	493.00	493.00	493.00	493.00	493.00	493.00	493.00	493.00
2.5	504.60	506.92	508.08	508.08	511.56	490.68	475.60	466.32	460.52
5.0	544.04	541.72	533.60	522.00	510.40	475.60	450.08	438.48	431.52
7.5	581.16	575.36	559.12	535.92	509.24	460.52	432.68	421.08	415.28
10.0	626.40	617.12	585.80	548.68	506.92	447.76	419.92	411.80	407.16
12.5	673.96	658.88	615.96	559.12	503.44	436.16	412.96	402.52	396.72
15.0	720.36	701.80	646.12	569.56	498.80	425.72	403.68	392.08	386.28
17.5	763.28	741.24	675.12	580.00	493.00	416.44	394.40	381.64	373.52
20.0	802.72	778.36	702.96	590.44	487.20	409.48	383.96	374.68	367.72
22.5	837.52	810.84	727.32	599.72	480.24	401.36	375.84	363.08	354.96
25.0	870.00	839.84	748.20	607.84	472.12	392.08	366.56	349.16	341.04
27.5	897.84	865.36	765.60	613.64	462.84	382.80	354.96	336.40	328.28
30.0	921.04	887.40	780.68	618.28	453.56	374.68	341.04	323.64	315.52
32.5	941.92	905.96	792.28	620.60	443.12	363.08	327.12	309.72	302.76
35.0	959.32	921.04	801.56	620.60	431.52	350.32	314.36	296.96	290.00
37.5	975.56	933.80	807.36	618.28	419.92	337.56	300.44	283.04	277.24
40.0	990.64	944.24	810.84	613.64	407.16	322.48	285.36	270.28	264.48
42.5	1003.40	955.84	812.00	606.68	393.24	308.56	271.44	257.52	248.24
45.0	1011.52	963.96	810.84	597.40	378.16	293.48	257.52	240.12	225.04
47.5	1015.00	965.12	808.52	586.96	363.08	277.24	243.60	216.92	201.84
50.0	1015.00	963.96	805.04	575.36	346.84	261.00	228.52	192.56	178.64
52.5	1013.84	959.32	799.24	561.44	329.44	243.60	211.12	170.52	156.60
55.0	1011.52	953.52	788.80	546.36	312.04	227.36	187.92	147.32	134.56
57.5	1010.36	946.56	774.88	530.12	293.48	209.96	163.56	126.44	114.84
60.0	1013.84	941.92	758.64	512.72	274.92	192.56	141.52	106.72	95.12
62.5	1019.64	943.08	741.24	495.32	255.20	175.16	118.32	90.48	87.00
65.0	1024.28	944.24	725.00	476.76	235.48	157.76	97.44	78.88	69.60
67.5	1027.76	944.24	711.08	454.72	214.60	136.88	88.16	60.32	53.36
70.0	1010.36	939.60	701.80	431.52	192.56	113.68	69.60	45.24	37.12
72.5	881.60	882.76	691.36	404.84	170.52	95.12	52.20	30.16	23.20
75.0	684.40	714.56	672.80	381.64	147.32	76.56	35.96	16.24	9.28
77.5	525.48	545.20	584.64	357.28	122.96	55.68	20.88	5.80	3.48
80.0	410.64	419.92	443.12	336.40	104.40	37.12	8.12	4.64	3.48
82.5	332.92	332.92	334.08	303.92	78.88	20.88	5.80	2.32	2.32
85.0	263.32	259.84	247.08	222.72	61.48	8.12	3.48	2.32	2.32
87.5	200.68	193.72	174.00	136.88	38.28	4.64	3.48	2.32	2.32
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-NW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	196.45	N.A.	8.00
0-30	449.51	N.A.	18.40
0-40	791.15	N.A.	32.30
0-60	1610.22	N.A.	65.80
0-80	2324.82	N.A.	95.00
0-90	2448.01	N.A.	100.00
10-90	2400.39	N.A.	98.10
20-40	594.70	N.A.	24.30
20-50	995.70	N.A.	40.70
40-70	1223.07	N.A.	50.00
60-80	714.60	N.A.	29.20
70-80	310.60	N.A.	12.70
80-90	123.18	N.A.	5.00
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	2448.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.62
10-20	148.83
20-30	253.06
30-40	341.63
40-50	401.00
50-60	418.07
60-70	404.00
70-80	310.60
80-90	123.18
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

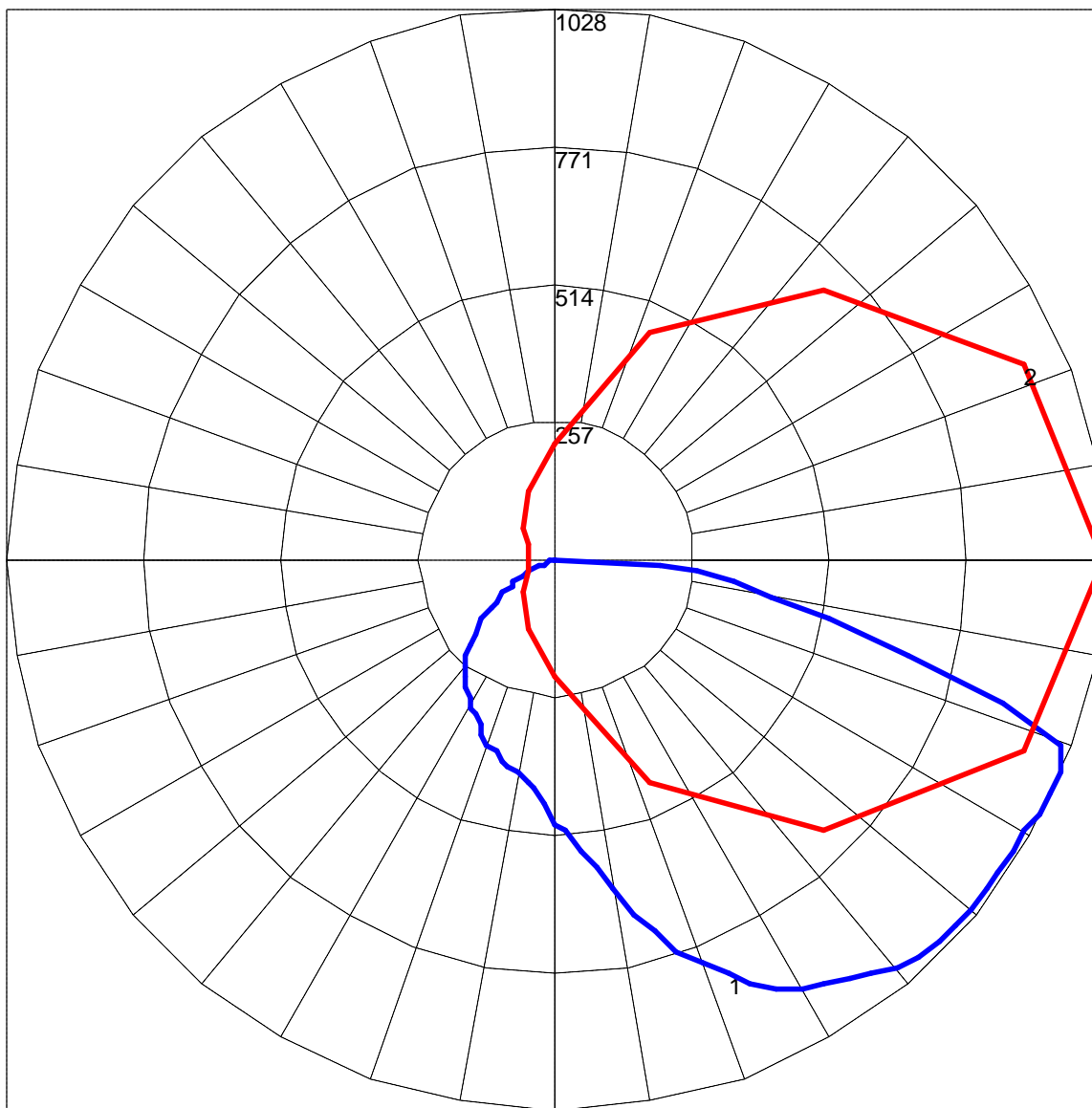
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-NW.IES

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	106	100	94	90	103	98	93	88	93	89	85	89	86	83	85	83	80	78
2	94	85	76	69	92	83	75	69	79	72	67	75	70	65	72	68	64	61
3	85	73	63	56	82	71	62	55	68	60	54	65	58	53	62	57	52	49
4	77	63	53	46	74	62	52	45	59	51	45	57	50	44	54	48	43	41
5	70	56	46	38	68	55	45	38	52	44	37	50	43	37	48	42	37	34
6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	37	31	29
7	59	45	35	28	58	44	35	28	42	34	28	41	33	28	39	33	27	25
8	55	40	31	25	53	40	31	25	38	30	25	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	22	20
10	48	34	25	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17

POLAR GRAPH



Maximum Candela = 1027.76 Located At Horizontal Angle = 0, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)