



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3607A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]3/08/16
[TEST DATE]11/16/12
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]MWW-4-LED-SS-WW
[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	2282
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.42
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.72
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	6907	5531	2734
55	8580	6644	2751
65	11763	8368	2775
75	16749	12845	2820
85	21398	19108	3220

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-WW.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	476.76	476.76	476.76	476.76	476.76	476.76	476.76	476.76	476.76
2.5	484.88	487.20	489.52	489.52	493.00	476.76	462.84	452.40	447.76
5.0	518.52	518.52	512.72	501.12	491.84	464.00	441.96	424.56	418.76
7.5	554.48	549.84	535.92	512.72	490.68	451.24	419.92	397.88	390.92
10.0	586.96	578.84	560.28	524.32	488.36	438.48	399.04	379.32	373.52
12.5	625.24	613.64	580.00	533.60	484.88	424.56	382.80	364.24	358.44
15.0	664.68	649.60	604.36	544.04	480.24	409.48	367.72	354.96	350.32
17.5	701.80	683.24	627.56	552.16	474.44	395.56	357.28	345.68	341.04
20.0	736.60	715.72	650.76	559.12	468.64	381.64	349.16	336.40	330.60
22.5	766.76	743.56	670.48	564.92	461.68	367.72	339.88	325.96	319.00
25.0	792.28	767.92	687.88	570.72	453.56	354.96	329.44	314.36	307.40
27.5	813.16	787.64	702.96	571.88	444.28	343.36	319.00	302.76	295.80
30.0	831.72	803.88	714.56	573.04	435.00	334.08	307.40	291.16	284.20
32.5	847.96	817.80	722.68	574.20	424.56	323.64	295.80	279.56	272.60
35.0	863.04	829.40	727.32	571.88	412.96	313.20	283.04	266.80	261.00
37.5	875.80	839.84	729.64	568.40	401.36	301.60	270.28	255.20	249.40
40.0	887.40	847.96	729.64	563.76	388.60	290.00	258.68	243.60	234.32
42.5	900.16	856.08	729.64	555.64	374.68	277.24	245.92	227.36	212.28
45.0	908.28	865.36	727.32	546.36	359.60	263.32	232.00	205.32	190.24
47.5	912.92	867.68	723.84	535.92	344.52	250.56	220.40	182.12	169.36
50.0	915.24	867.68	720.36	523.16	328.28	235.48	201.84	161.24	148.48
52.5	915.24	865.36	716.88	509.24	310.88	221.56	179.80	141.52	128.76
55.0	915.24	861.88	708.76	494.16	293.48	206.48	158.92	121.80	110.20
57.5	915.24	858.40	698.32	477.92	276.08	190.24	138.04	103.24	102.08
60.0	916.40	853.76	685.56	461.68	257.52	175.16	117.16	95.12	84.68
62.5	921.04	851.44	671.64	445.44	237.80	158.92	107.88	77.72	68.44
65.0	924.52	852.60	657.72	429.20	218.08	142.68	89.32	61.48	52.20
67.5	929.16	852.60	646.12	412.96	198.36	119.48	71.92	46.40	37.12
70.0	930.32	852.60	635.68	392.08	178.64	98.60	54.52	31.32	23.20
72.5	910.60	845.64	627.56	373.52	156.60	83.52	39.44	17.40	10.44
75.0	806.20	791.12	618.28	349.16	135.72	62.64	24.36	5.80	3.48
77.5	658.88	657.72	593.92	328.28	113.68	44.08	10.44	3.48	1.16
80.0	527.80	526.64	501.12	310.88	100.92	27.84	4.64	1.16	1.16
82.5	425.72	421.08	393.24	293.48	76.56	13.92	2.32	1.16	1.16
85.0	346.84	339.88	309.72	241.28	52.20	5.80	2.32	1.16	1.16
87.5	272.60	262.16	229.68	164.72	27.84	3.48	2.32	2.32	1.16
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-WW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	184.82	N.A.	8.10
0-30	417.42	N.A.	18.30
0-40	728.25	N.A.	31.90
0-60	1466.18	N.A.	64.30
0-80	2137.5	N.A.	93.70
0-90	2281.82	N.A.	100.00
10-90	2236.11	N.A.	98.00
20-40	543.43	N.A.	23.80
20-50	905.17	N.A.	39.70
40-70	1102.05	N.A.	48.30
60-80	671.31	N.A.	29.40
70-80	307.19	N.A.	13.50
80-90	144.32	N.A.	6.30
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	2281.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.71
10-20	139.11
20-30	232.60
30-40	310.83
40-50	361.74
50-60	376.20
60-70	364.12
70-80	307.19
80-90	144.32
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

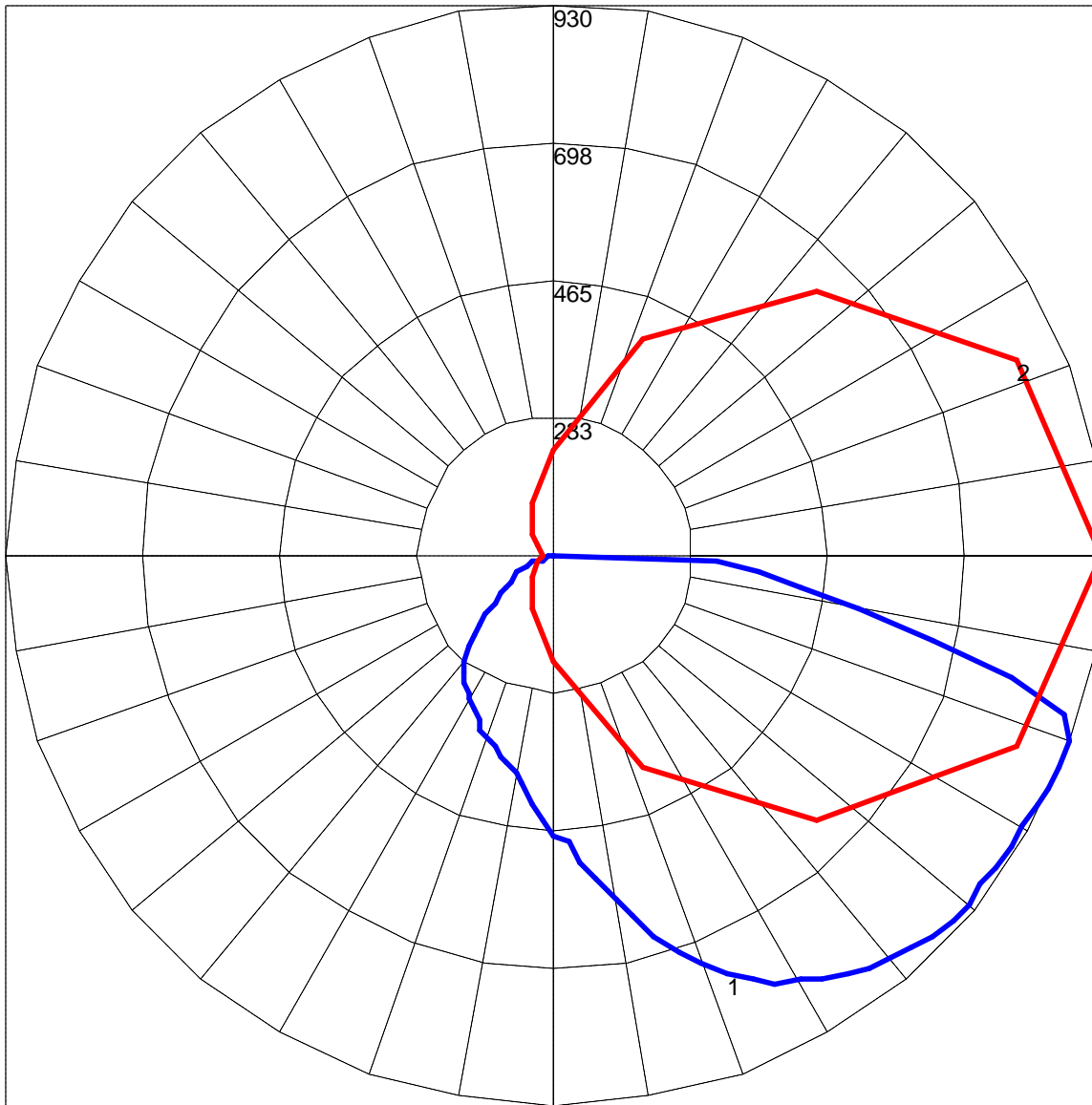
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MWW-4-LED-SS-WW.IES

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	105	99	93	88	102	97	92	87	92	88	84	88	85	81	84	82	79	77
2	94	84	75	68	91	82	74	67	78	71	66	75	69	64	71	67	63	60
3	84	72	62	55	82	70	61	54	67	59	53	64	58	52	61	56	51	48
4	77	63	53	45	74	61	52	44	59	50	44	56	49	43	54	48	42	40
5	70	55	45	38	68	54	45	37	52	43	37	50	42	36	48	41	36	34
6	64	49	39	32	62	48	39	32	46	38	32	45	37	31	43	36	31	29
7	59	44	35	28	57	43	34	28	42	34	28	40	33	27	39	32	27	25
8	55	40	31	25	53	39	31	24	38	30	24	37	29	24	35	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	21	33	26	21	19
10	48	34	25	20	47	33	25	19	32	25	19	31	24	19	30	24	19	17

POLAR GRAPH



Maximum Candela = 930.32 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)