

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628900

Luminaire Tested: GWS-SA1A-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2994.5 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

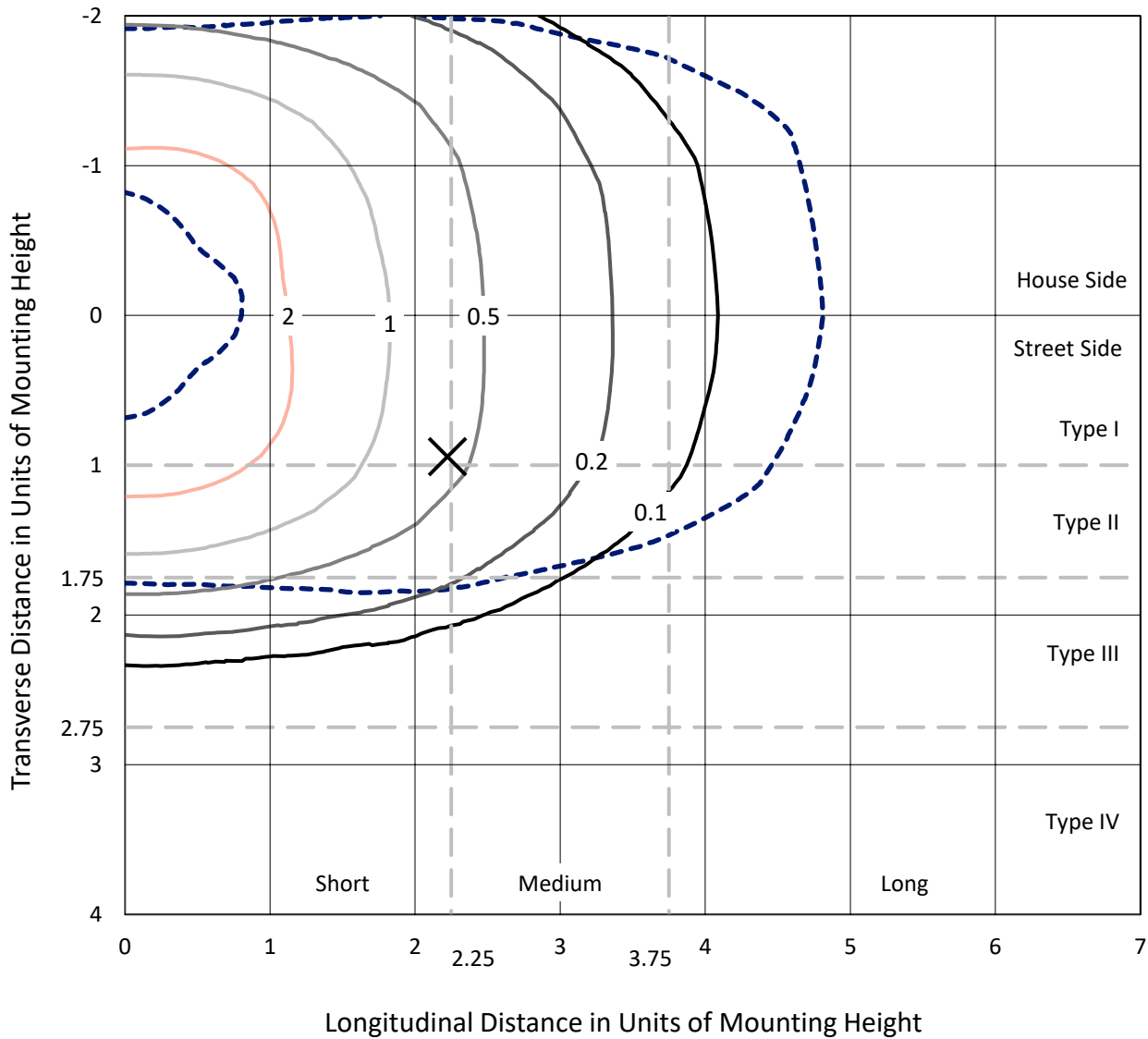
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628900
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

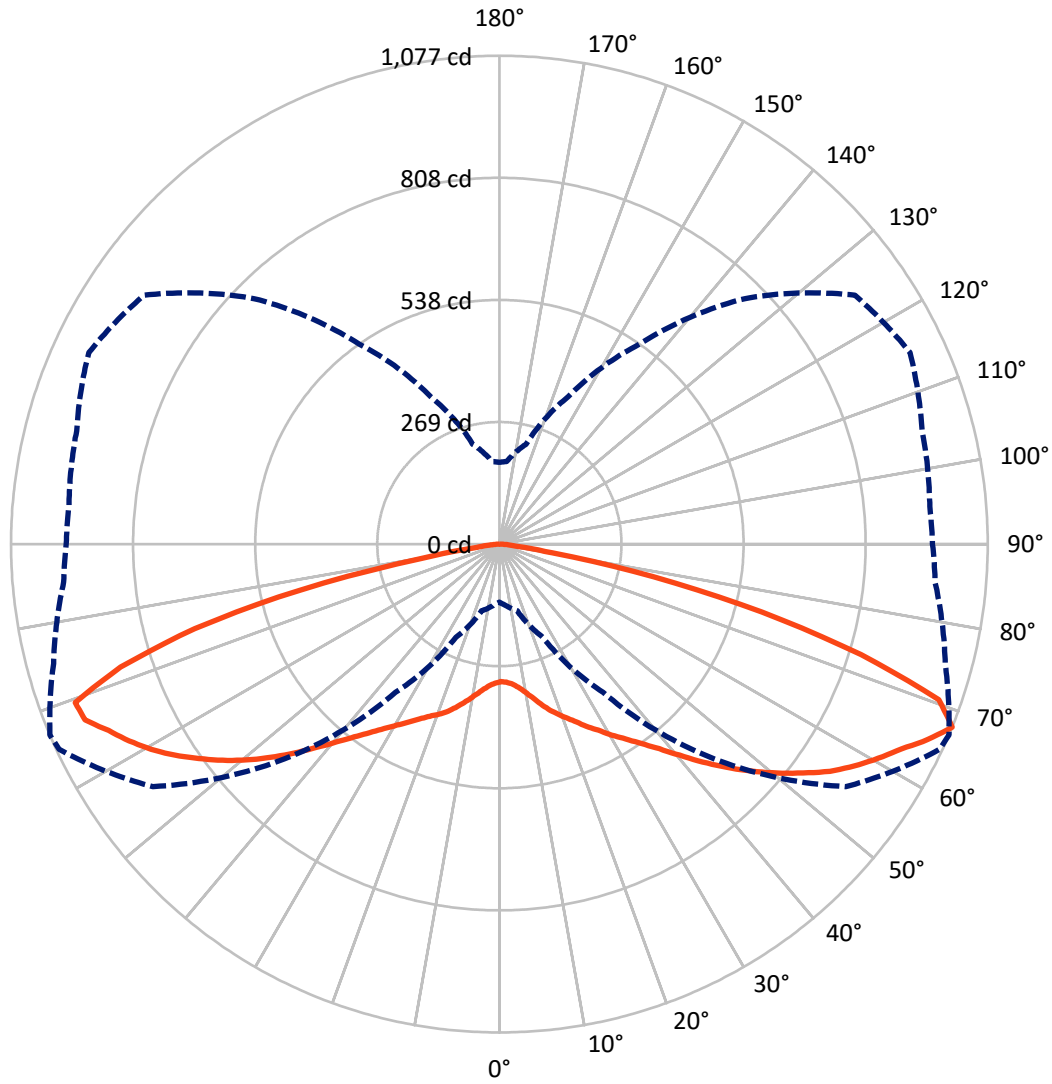
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

REPORT NUMBER: P628900
CATALOG NUMBER: GWS-SA1A-750-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P628900

CATALOG NUMBER: GWS-SA1A-750-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1480.7	0.0	1480.7
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1513.8	0.0	1513.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	2994.5	0.0	2994.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.0
10°-20°	100.5	3.4
20°-30°	197.2	6.6
30°-40°	335.9	11.2
40°-50°	539.5	18.0
50°-60°	733.0	24.5
60°-70°	701.2	23.4
70°-80°	333.4	11.1
80°-90°	24.2	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2994.5	100.0
0°-180°	2994.5	100.0

Coefficient of Utilization



REPORT NUMBER: P628900

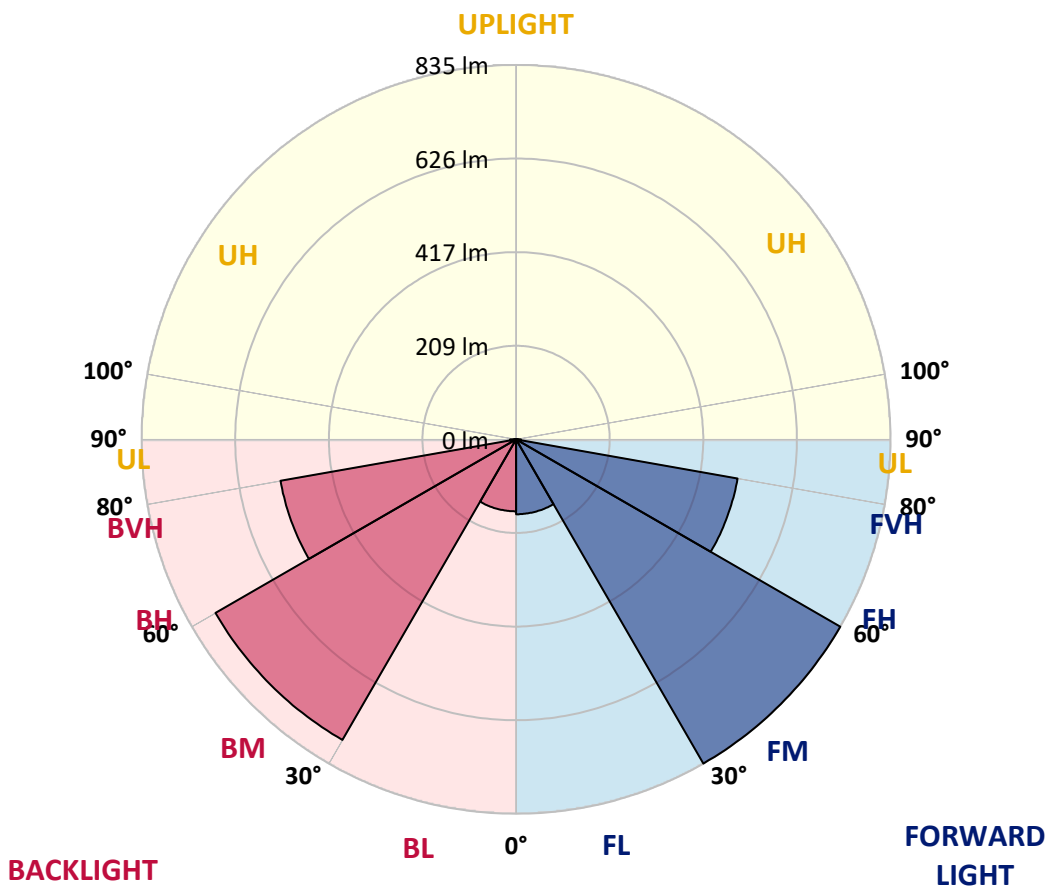
CATALOG NUMBER: GWS-SA1A-750-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.0	5.6			
FM (30°-60°)	834.6	27.9			
FH (60°-80°)	501.4	16.7			G0/660
FVH (80°-90°)	10.9	0.4			G1/100
BL (0°-30°)	160.5	5.4	B1/500		
BM (30°-60°)	773.8	25.8	B1/1000		
BH (60°-80°)	533.2	17.8	B2/1000		G2/1000
BVH (80°-90°)	13.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P628900
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	297.0	297.4	298.0	299.2	300.5	302.4	304.3	304.0	304.9	305.5	306.1
5°	295.3	295.7	296.7	298.4	300.3	303.4	307.4	309.0	310.3	312.6	314.7
7.5°	298.8	299.7	301.1	303.4	306.3	310.3	315.7	318.6	320.5	324.7	328.2
10°	303.6	304.7	307.6	312.0	316.3	322.4	329.3	333.7	334.9	340.3	347.0
12.5°	308.2	309.5	314.3	322.2	330.1	338.2	346.4	351.8	352.2	359.5	367.0
15°	315.5	316.6	323.0	333.2	345.3	356.6	366.6	370.4	372.0	377.2	386.6
17.5°	331.6	332.8	341.2	352.2	364.9	376.8	386.8	390.0	390.0	394.3	402.1
20°	348.9	350.1	361.2	375.4	390.8	402.9	410.6	407.7	406.6	407.9	413.3
22.5°	368.3	370.6	381.2	397.7	416.7	431.5	435.4	426.7	423.7	420.8	422.1
25°	393.1	395.8	406.2	423.7	442.3	457.9	460.2	446.7	445.0	434.8	431.0
27.5°	421.7	423.7	436.7	454.0	471.3	484.4	486.9	470.2	464.6	450.4	441.7
30°	458.6	460.4	471.7	488.8	503.8	513.0	516.1	493.2	488.8	467.1	453.6
32.5°	498.8	499.6	511.1	527.6	540.9	549.7	545.3	518.6	512.2	487.8	469.2
35°	544.9	544.9	559.7	573.1	583.7	586.2	577.9	547.4	539.9	513.4	490.3
37.5°	590.2	591.4	605.2	621.0	630.4	630.0	614.8	581.4	572.8	544.1	518.4
40°	639.2	641.9	655.6	673.4	682.3	681.1	657.7	620.6	611.8	577.9	552.8
42.5°	684.2	688.6	704.6	722.8	732.6	731.7	707.4	665.6	657.1	618.7	593.7
45°	720.1	724.7	744.7	769.9	785.6	784.1	759.5	712.4	701.9	661.7	634.2
47.5°	751.6	756.4	778.7	805.4	830.2	832.7	810.2	759.5	748.4	707.8	676.7
50°	775.8	778.0	803.1	832.3	861.0	875.0	855.4	806.8	793.5	753.2	718.2
52.5°	773.9	777.0	807.9	847.5	886.1	909.0	895.4	851.4	838.5	794.7	760.5
55°	735.7	738.8	775.5	833.3	900.0	933.8	932.4	894.0	884.6	837.1	804.5
57.5°	680.0	686.9	723.4	785.8	881.7	953.6	959.5	932.8	923.0	878.6	848.1
60°	580.4	589.5	631.7	712.6	822.9	947.0	988.5	965.5	959.5	917.1	887.5
62.5°	421.7	428.3	484.4	590.6	735.7	899.4	1012.9	999.3	994.7	951.8	923.2
65°	252.5	267.8	312.8	417.7	593.5	809.7	999.5	1043.5	1038.7	987.4	953.6
67.5°	127.8	134.7	152.4	226.5	399.1	670.0	932.6	1071.0	1076.9	1017.9	964.5
70°	79.2	81.1	86.1	111.8	199.4	440.2	762.6	999.3	1027.9	1013.1	936.3
72.5°	63.6	64.0	64.9	69.7	95.7	205.8	482.1	782.6	834.1	946.1	896.1
75°	52.8	53.0	53.2	54.6	59.6	84.0	234.6	537.8	598.1	804.1	830.8
77.5°	42.3	41.3	42.1	42.7	44.0	46.9	80.9	286.9	348.0	527.8	642.5
80°	27.5	27.1	28.8	29.4	30.7	32.5	43.2	97.4	118.2	192.1	204.4
82.5°	14.8	14.0	17.5	16.9	17.5	19.0	25.4	35.7	40.0	58.0	49.0
85°	4.6	4.6	4.8	5.6	6.9	6.7	11.1	17.5	19.4	24.8	18.4
87.5°	0.8	0.8	0.8	0.8	0.8	1.0	2.3	3.5	4.8	8.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P628900
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	307.4	305.5	306.5	307.2	307.0	306.5	304.5	304.0	303.0	301.3	300.9
5°	316.6	314.5	314.7	314.1	312.0	309.3	304.7	302.4	300.5	298.4	298.2
7.5°	330.9	328.7	328.0	325.1	319.3	313.0	305.7	301.5	298.4	295.7	295.3
10°	349.3	347.0	344.9	338.0	328.4	320.1	310.5	304.5	299.9	296.5	295.9
12.5°	369.7	367.9	362.6	352.6	341.2	331.4	321.6	314.1	307.4	302.4	301.8
15°	392.5	388.3	380.4	367.4	356.6	348.7	336.8	326.6	315.9	309.3	307.8
17.5°	408.3	404.8	395.4	382.9	374.3	367.4	353.5	338.9	324.5	314.7	312.6
20°	419.6	415.8	405.2	396.0	393.3	387.5	371.2	354.3	337.6	325.5	322.8
22.5°	427.7	423.7	412.9	408.3	412.1	411.0	395.2	376.0	356.2	341.8	338.5
25°	435.4	431.7	422.1	423.7	433.8	436.9	419.8	397.5	374.9	358.1	354.1
27.5°	442.7	437.9	433.5	442.7	456.9	462.7	444.6	419.4	395.0	377.7	374.5
30°	454.0	448.4	447.7	461.1	483.6	488.6	468.6	443.3	419.2	401.6	397.7
32.5°	468.2	462.9	463.4	483.4	509.5	513.6	496.5	473.0	448.8	431.3	425.8
35°	487.3	480.9	484.4	509.0	535.3	543.0	529.3	509.7	486.1	468.2	462.1
37.5°	513.8	504.4	511.7	537.6	564.1	575.6	564.9	550.3	527.0	508.8	503.2
40°	547.6	539.9	542.8	571.4	598.7	612.5	605.8	591.4	568.3	549.3	542.8
42.5°	587.7	579.9	578.9	609.3	636.7	657.5	651.0	637.9	613.9	592.2	586.0
45°	626.9	619.8	621.2	652.3	683.0	705.7	699.2	683.8	657.7	632.7	627.7
47.5°	667.7	661.9	663.1	696.1	729.9	752.6	744.5	725.7	695.3	668.6	662.5
50°	709.6	703.0	704.8	739.5	776.0	797.4	784.9	757.2	723.6	697.5	692.3
52.5°	751.4	743.4	748.2	781.0	818.7	835.8	812.7	779.1	746.6	720.7	714.9
55°	799.3	791.0	785.8	820.8	858.1	865.2	833.5	794.3	755.7	726.3	722.8
57.5°	843.1	836.0	826.2	861.2	888.8	883.6	849.6	790.1	733.4	695.7	690.7
60°	882.3	876.3	867.7	897.5	910.0	898.4	836.6	740.7	678.4	639.0	636.7
62.5°	918.4	911.9	904.0	929.4	927.8	900.7	777.8	664.8	581.4	539.1	535.3
65°	947.0	941.1	938.8	958.8	956.1	855.8	686.3	540.5	424.8	377.0	375.6
67.5°	955.1	952.8	965.1	999.1	956.8	765.7	538.2	358.5	228.1	182.9	180.2
70°	924.6	924.4	959.7	1008.3	870.0	584.9	317.6	161.6	114.7	101.8	100.1
72.5°	885.0	884.4	912.3	869.8	645.2	320.1	133.7	86.5	71.7	68.2	68.2
75°	820.0	818.3	839.4	661.7	362.9	120.5	70.9	59.4	56.3	55.7	55.7
77.5°	668.4	654.4	621.2	408.9	126.6	59.2	46.9	46.7	44.8	44.6	44.6
80°	219.8	219.8	255.5	156.0	55.9	36.5	33.2	34.8	32.9	31.7	31.5
82.5°	35.9	49.4	70.3	44.6	30.2	22.7	20.4	21.7	22.7	18.1	18.1
85°	14.2	18.6	27.1	20.9	14.0	9.2	9.8	10.8	9.6	8.3	8.1
87.5°	5.4	6.7	9.6	5.0	2.9	1.7	1.0	1.0	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)