

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: P628955

Luminaire Tested: GWS-SA1A-760-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628955  
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-760-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

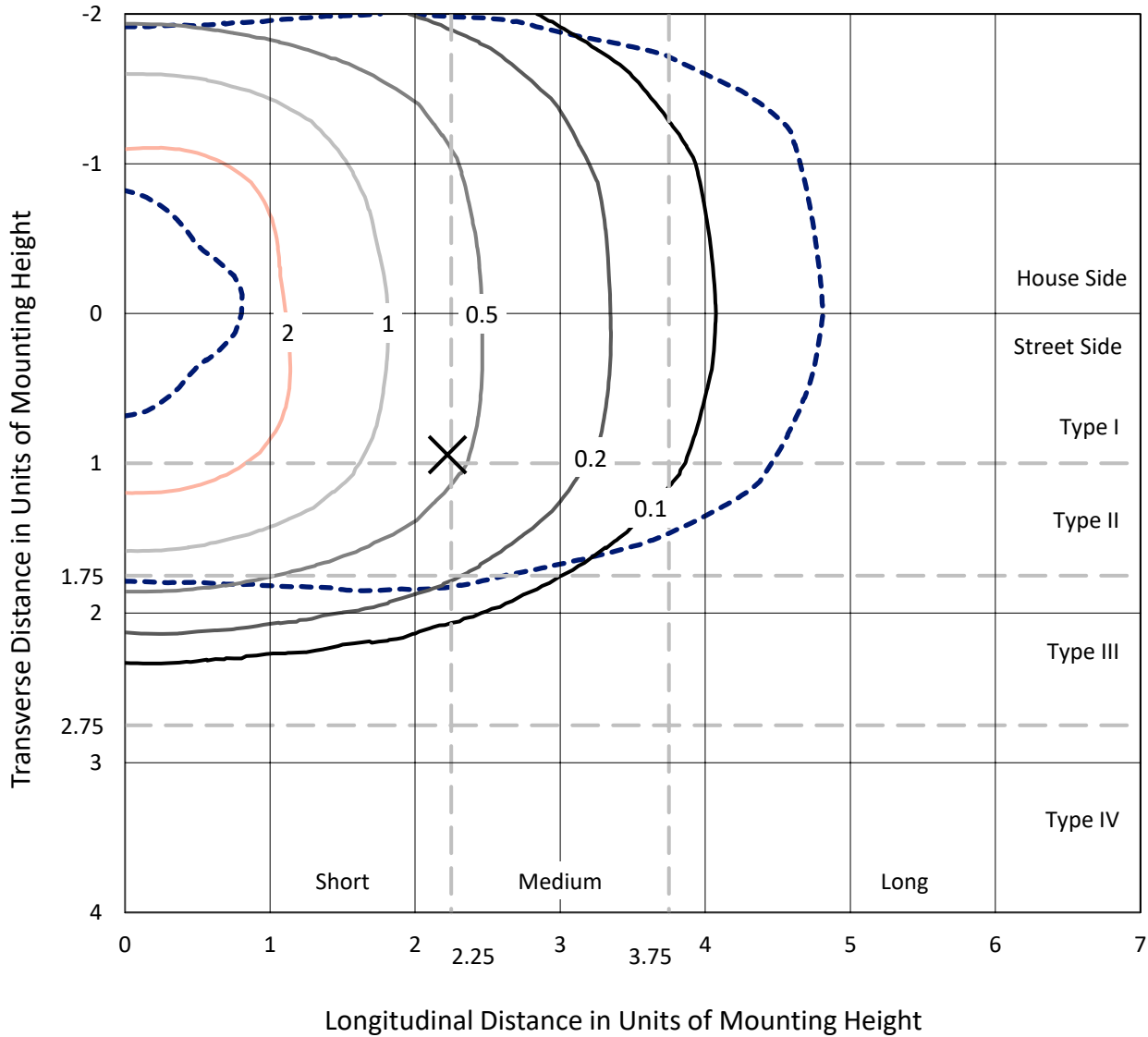
Lumens per Lamp: N/A  
Luminaire Lumens: 2953.5 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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: P628955  
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W

### Iso-Footcandle Lines of Horizontal Illumination

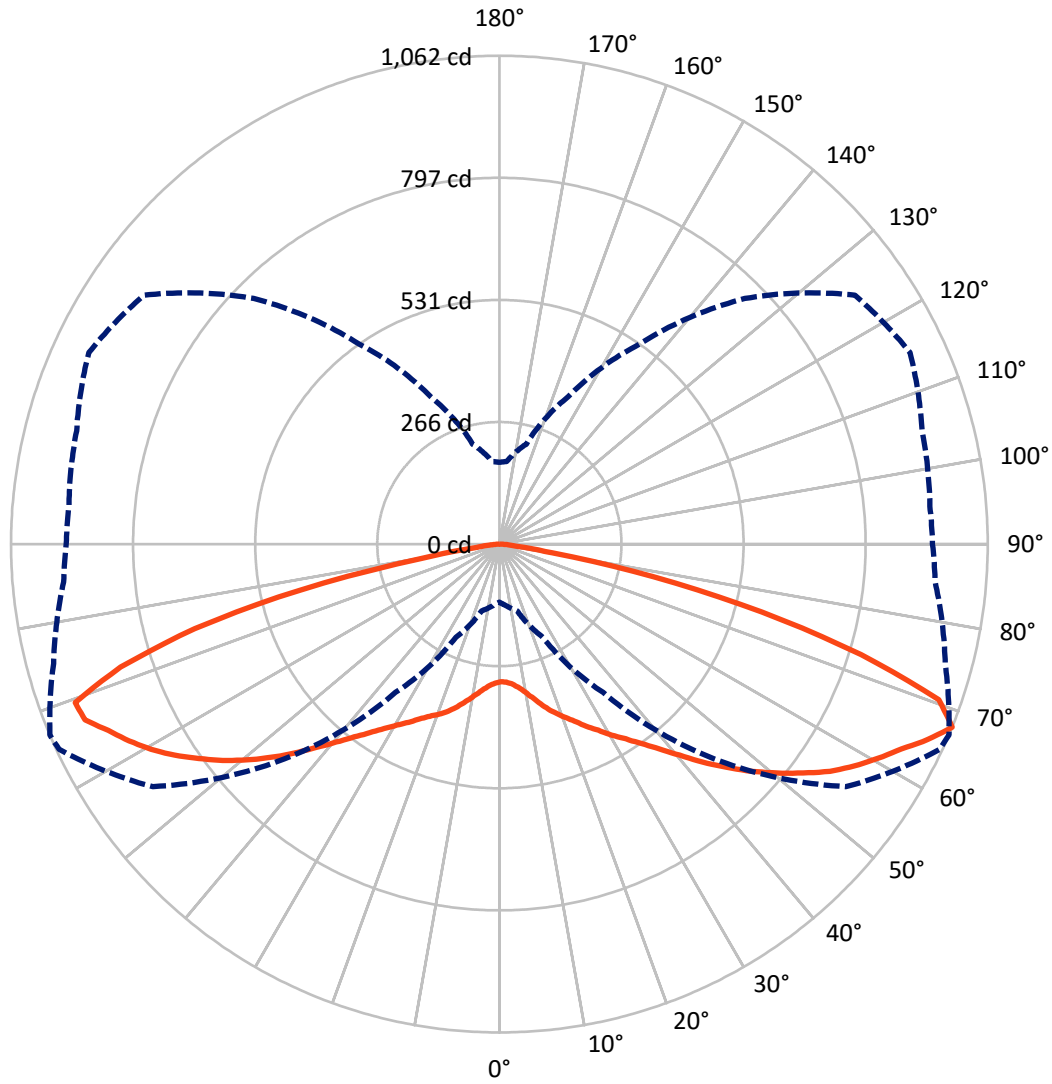
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P628955  
CATALOG NUMBER: GWS-SA1A-760-U-RW-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P628955

CATALOG NUMBER: GWS-SA1A-760-U-RW-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1460.5	0.0	1460.5
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	1493.0	0.0	1493.0
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	2953.5	0.0	2953.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	1.0
10°-20°	99.1	3.4
20°-30°	194.5	6.6
30°-40°	331.3	11.2
40°-50°	532.1	18.0
50°-60°	723.0	24.5
60°-70°	691.6	23.4
70°-80°	328.8	11.1
80°-90°	23.8	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°	2953.5	100.0
0°-180°	2953.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P628955

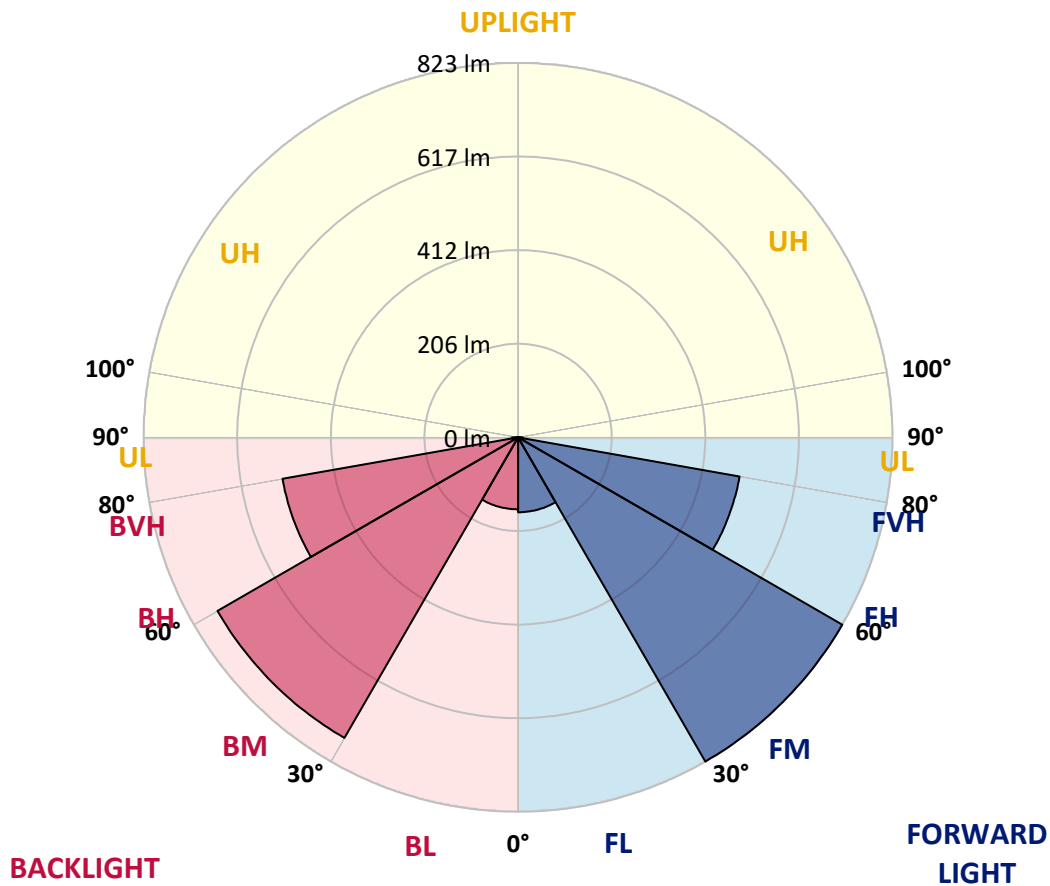
CATALOG NUMBER: GWS-SA1A-760-U-RW-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.7	5.6			
FM (30°-60°)	823.2	27.9			
FH (60°-80°)	494.5	16.7			G0/660
FVH (80°-90°)	10.7	0.4			G1/100
BL (0°-30°)	158.3	5.4	B1/500		
BM (30°-60°)	763.2	25.8	B1/1000		
BH (60°-80°)	525.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	13.1	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: P628955  
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1
2.5°	292.9	293.3	293.9	295.2	296.4	298.2	300.1	299.9	300.7	301.3	301.9
5°	291.2	291.7	292.7	294.3	296.2	299.3	303.2	304.8	306.1	308.3	310.4
7.5°	294.7	295.6	297.0	299.3	302.1	306.1	311.4	314.3	316.1	320.2	323.7
10°	299.5	300.5	303.4	307.7	312.0	318.0	324.8	329.1	330.3	335.7	342.3
12.5°	304.0	305.2	310.0	317.8	325.6	333.6	341.6	347.0	347.4	354.6	362.0
15°	311.2	312.2	318.6	328.7	340.6	351.7	361.6	365.3	366.9	372.1	381.3
17.5°	327.0	328.3	336.5	347.4	359.9	371.7	381.5	384.6	384.6	388.9	396.6
20°	344.1	345.3	356.2	370.2	385.4	397.4	405.0	402.1	401.1	402.3	407.7
22.5°	363.2	365.5	376.0	392.2	410.9	425.6	429.5	420.8	417.9	415.1	416.3
25°	387.7	390.4	400.7	417.9	436.2	451.7	453.9	440.6	438.9	428.8	425.1
27.5°	415.9	417.9	430.7	447.8	464.8	477.8	480.3	463.8	458.3	444.3	435.6
30°	452.3	454.1	465.2	482.1	496.9	506.0	509.1	486.4	482.1	460.7	447.4
32.5°	492.0	492.8	504.1	520.4	533.5	542.2	537.9	511.5	505.1	481.1	462.8
35°	537.4	537.4	552.0	565.2	575.7	578.2	569.9	539.9	532.5	506.4	483.6
37.5°	582.1	583.3	596.9	612.5	621.8	621.4	606.3	573.4	565.0	536.6	511.3
40°	630.4	633.1	646.7	664.1	673.0	671.8	648.7	612.1	603.5	569.9	545.3
42.5°	674.8	679.2	695.0	712.9	722.6	721.7	697.7	656.5	648.1	610.3	585.6
45°	710.2	714.7	734.5	759.4	774.8	773.4	749.1	702.6	692.3	652.6	625.5
47.5°	741.3	746.0	768.0	794.3	818.8	821.3	799.1	749.1	738.2	698.1	667.4
50°	765.1	767.4	792.1	820.9	849.3	863.0	843.7	795.8	782.6	742.9	708.4
52.5°	763.3	766.4	796.8	835.9	873.9	896.6	883.2	839.8	827.0	783.8	750.1
55°	725.6	728.7	764.9	821.9	887.7	921.0	919.6	881.7	872.5	825.6	793.5
57.5°	670.7	677.5	713.5	775.0	869.6	940.6	946.3	920.0	910.3	866.5	836.5
60°	572.4	581.5	623.0	702.8	811.6	934.0	974.9	952.3	946.3	904.6	875.4
62.5°	415.9	422.5	477.8	582.5	725.6	887.1	999.0	985.6	981.1	938.7	910.5
65°	249.1	264.1	308.5	412.0	585.4	798.7	985.8	1029.2	1024.5	973.9	940.6
67.5°	126.1	132.9	150.4	223.4	393.7	660.8	919.8	1056.4	1062.1	1003.9	951.3
70°	78.2	80.0	84.9	110.2	196.6	434.2	752.2	985.6	1013.8	999.2	923.5
72.5°	62.7	63.1	64.0	68.7	94.4	203.0	475.5	771.9	822.7	933.2	883.8
75°	52.0	52.2	52.4	53.9	58.8	82.9	231.4	530.4	589.9	793.1	819.4
77.5°	41.8	40.7	41.5	42.2	43.4	46.3	79.8	283.0	343.3	520.6	633.7
80°	27.1	26.7	28.4	29.0	30.2	32.1	42.6	96.1	116.6	189.4	201.6
82.5°	14.6	13.8	17.3	16.7	17.3	18.7	25.1	35.2	39.5	57.2	48.3
85°	4.5	4.5	4.7	5.6	6.8	6.6	10.9	17.3	19.1	24.5	18.1
87.5°	0.8	0.8	0.8	0.8	0.8	1.0	2.3	3.5	4.7	8.4	6.4
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: P628955  
 CATALOG NUMBER: GWS-SA1A-760-U-RW-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1	299.1
2.5°	303.2	301.3	302.3	303.0	302.8	302.3	300.3	299.9	298.9	297.2	296.8
5°	312.2	310.2	310.4	309.8	307.7	305.0	300.5	298.2	296.4	294.3	294.1
7.5°	326.4	324.2	323.5	320.7	314.9	308.7	301.5	297.4	294.3	291.7	291.2
10°	344.5	342.3	340.2	333.4	323.9	315.7	306.3	300.3	295.8	292.5	291.9
12.5°	364.7	362.8	357.7	347.8	336.5	326.8	317.2	309.8	303.2	298.2	297.6
15°	387.1	383.0	375.2	362.4	351.7	343.9	332.2	322.1	311.6	305.0	303.6
17.5°	402.7	399.2	390.0	377.6	369.2	362.4	348.6	334.2	320.0	310.4	308.3
20°	413.8	410.1	399.6	390.6	387.9	382.2	366.1	349.4	333.0	321.1	318.4
22.5°	421.8	417.9	407.2	402.7	406.4	405.4	389.8	370.8	351.3	337.1	333.8
25°	429.5	425.8	416.3	417.9	427.8	430.9	414.0	392.0	369.8	353.2	349.2
27.5°	436.7	431.9	427.6	436.7	450.6	456.4	438.5	413.6	389.6	372.5	369.4
30°	447.8	442.2	441.6	454.8	477.0	481.9	462.2	437.3	413.4	396.1	392.2
32.5°	461.8	456.6	457.0	476.8	502.5	506.6	489.7	466.5	442.6	425.3	420.0
35°	480.7	474.3	477.8	502.1	528.0	535.6	522.0	502.7	479.4	461.8	455.8
37.5°	506.8	497.5	504.7	530.2	556.4	567.7	557.2	542.8	519.8	501.9	496.3
40°	540.1	532.5	535.4	563.6	590.5	604.1	597.5	583.3	560.5	541.8	535.4
42.5°	579.6	572.0	571.0	601.0	627.9	648.5	642.1	629.2	605.5	584.1	578.0
45°	618.3	611.3	612.7	643.4	673.6	696.0	689.6	674.4	648.7	624.0	619.1
47.5°	658.6	652.8	654.1	686.6	719.9	742.3	734.3	715.8	685.7	659.4	653.4
50°	699.9	693.3	695.2	729.3	765.3	786.5	774.2	746.8	713.7	688.0	682.9
52.5°	741.1	733.2	738.0	770.3	807.5	824.4	801.5	768.4	736.3	710.8	705.1
55°	788.4	780.1	775.0	809.6	846.4	853.4	822.1	783.4	745.4	716.4	712.9
57.5°	831.6	824.6	814.9	849.5	876.6	871.5	837.9	779.3	723.4	686.1	681.2
60°	870.2	864.3	855.8	885.2	897.6	886.1	825.2	730.6	669.1	630.2	627.9
62.5°	905.8	899.4	891.6	916.7	915.1	888.3	767.2	655.7	573.4	531.7	528.0
65°	934.0	928.2	926.0	945.7	943.0	844.1	676.9	533.1	419.0	371.9	370.4
67.5°	942.0	939.8	951.9	985.4	943.7	755.3	530.9	353.6	225.0	180.4	177.7
70°	912.0	911.8	946.5	994.5	858.1	576.9	313.3	159.4	113.1	100.4	98.7
72.5°	872.9	872.3	899.8	857.9	636.4	315.7	131.8	85.4	70.8	67.3	67.3
75°	808.7	807.1	827.9	652.6	357.9	118.9	69.9	58.6	55.5	54.9	54.9
77.5°	659.2	645.4	612.7	403.3	124.8	58.4	46.3	46.1	44.2	44.0	44.0
80°	216.8	216.8	252.0	153.8	55.1	36.0	32.7	34.3	32.5	31.3	31.1
82.5°	35.4	48.7	69.3	44.0	29.8	22.4	20.2	21.4	22.4	17.9	17.9
85°	14.0	18.3	26.7	20.6	13.8	9.0	9.7	10.7	9.5	8.2	8.0
87.5°	5.3	6.6	9.5	4.9	2.9	1.6	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)