

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: P628943

Luminaire Tested: GWS-SA1A-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018.9 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

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

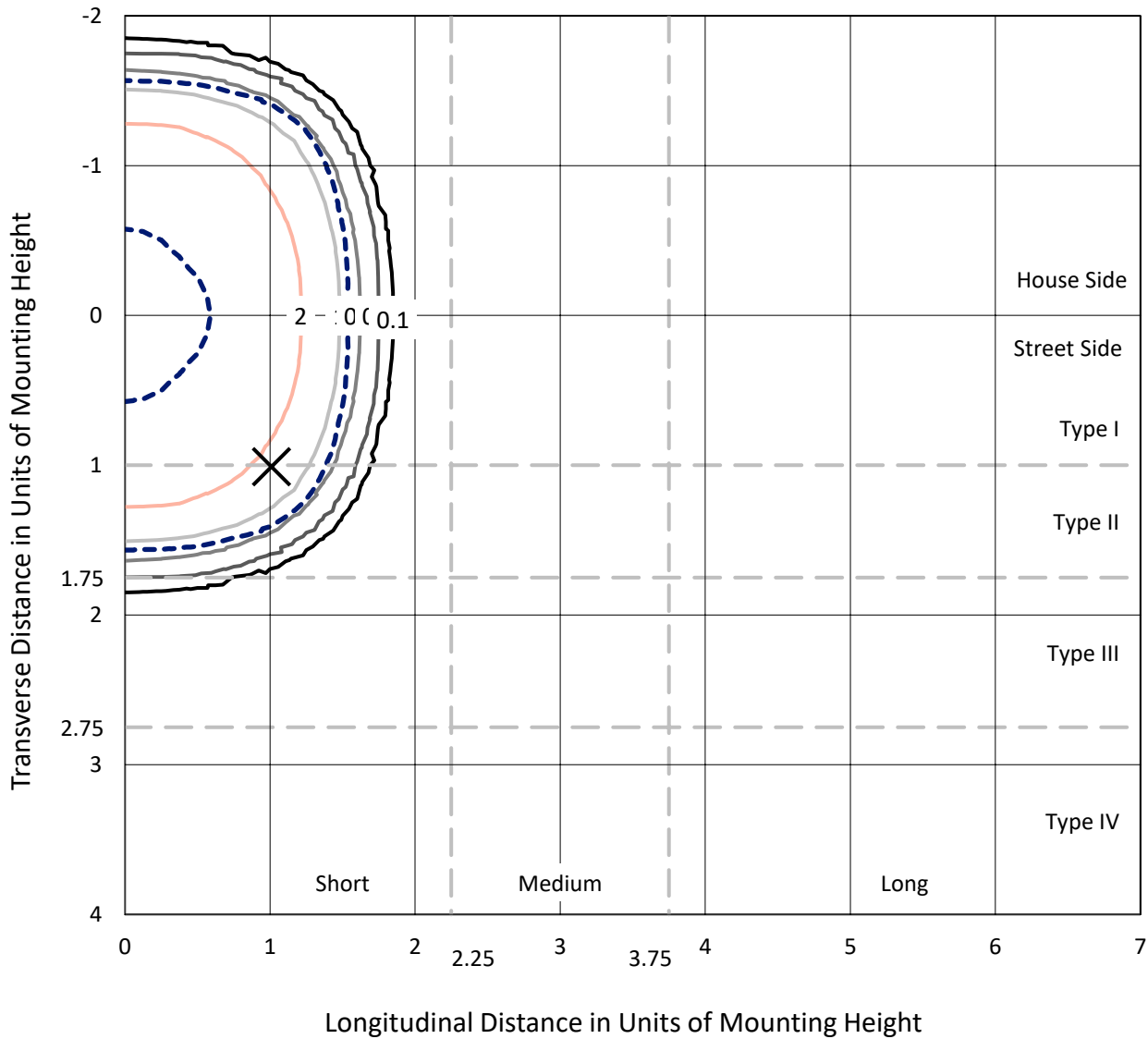


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Iso-Footcandle Lines of Horizontal Illumination

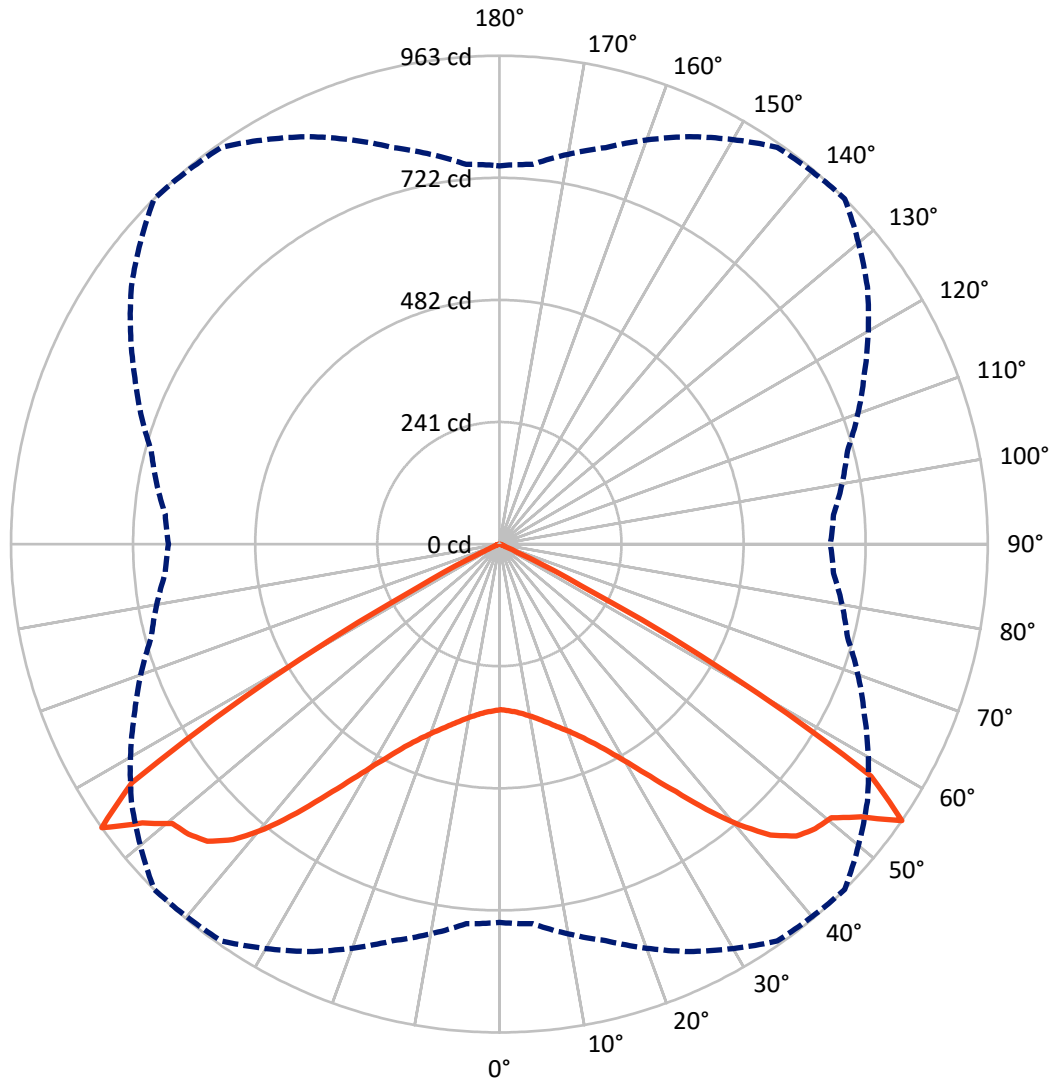
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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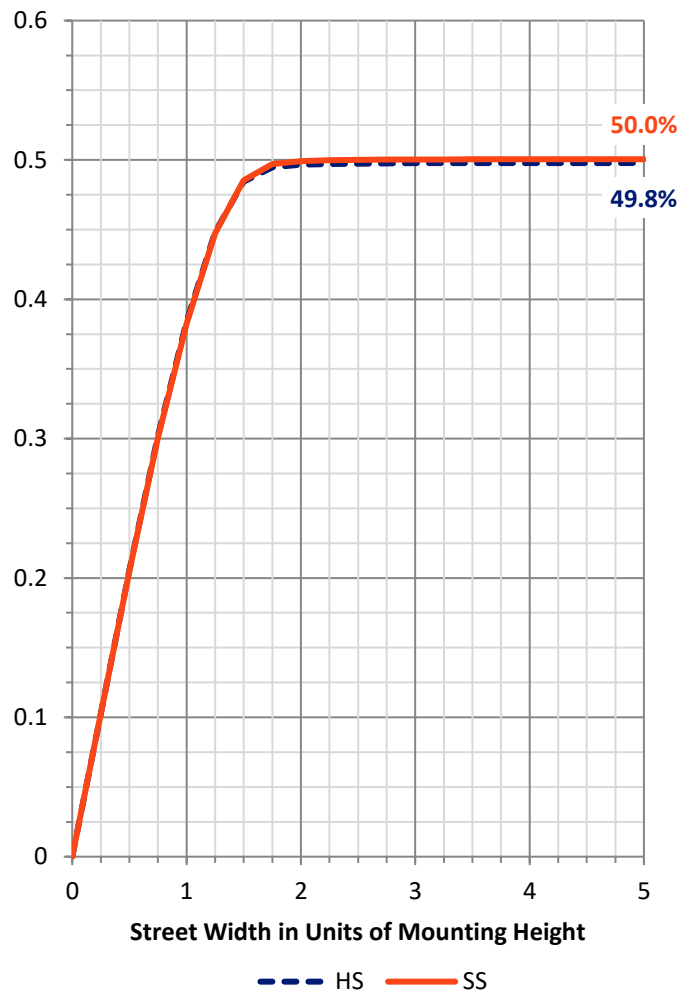
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.5	0.0	1009.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1009.5	0.0	1009.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2018.9	0.0	2018.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.6
10°-20°	103.7	5.1
20°-30°	200.8	9.9
30°-40°	359.7	17.8
40°-50°	603.1	29.9
50°-60°	645.5	32.0
60°-70°	70.9	3.5
70°-80°	3.1	0.2
80°-90°	0.1	0.0
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°	2018.9	100.0
0°-180°	2018.9	100.0

Coefficient of Utilization



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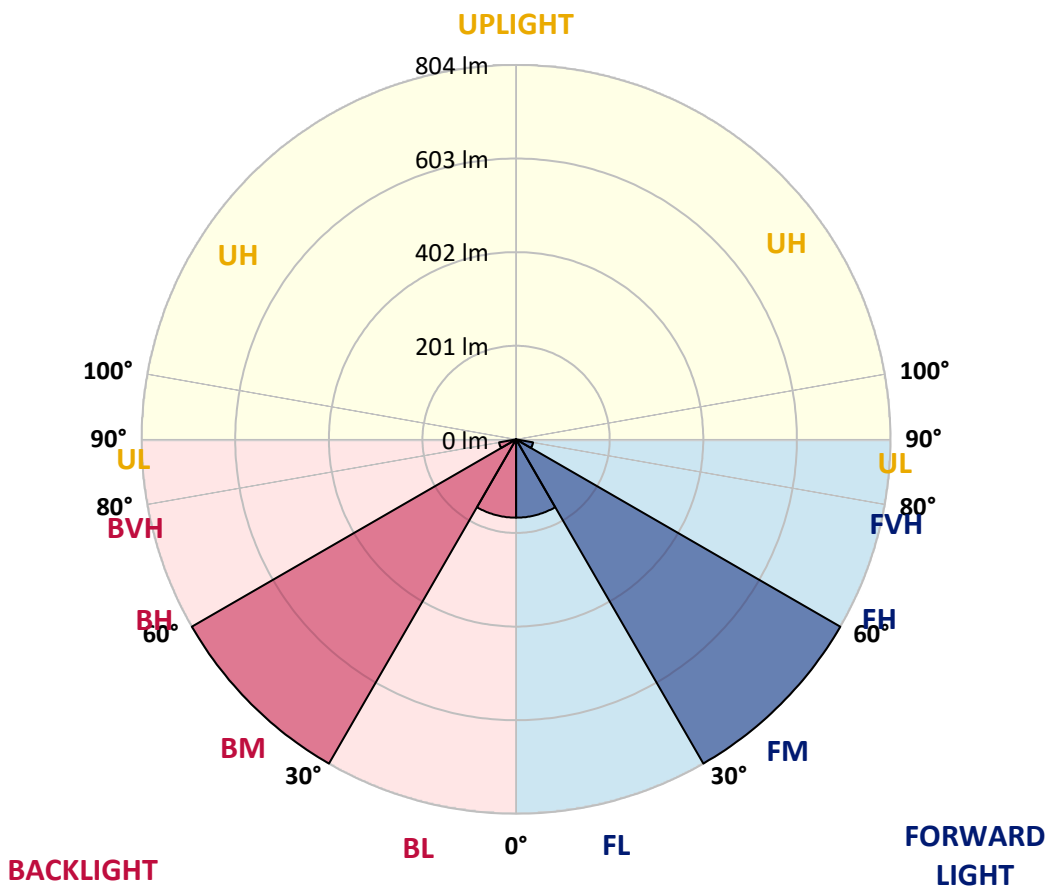
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	8.3			
FM (30°-60°)	804.1	39.8			
FH (60°-80°)	37.0	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	168.2	8.3	B1/500		
BM (30°-60°)	804.1	39.8	B1/1000		
BH (60°-80°)	37.0	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4
2.5°	325.8	325.8	326.6	327.2	327.2	328.9	328.3	327.7	327.7	326.8	328.5
5°	330.5	330.3	331.1	331.6	330.7	332.4	331.4	330.7	330.3	329.5	331.1
7.5°	335.7	335.9	336.1	336.9	336.5	338.1	337.3	336.1	335.7	334.4	336.1
10°	341.8	341.8	342.3	343.3	343.5	345.5	344.7	343.3	342.0	340.8	342.5
12.5°	349.7	349.9	350.5	351.9	352.7	355.0	353.8	350.9	349.0	347.6	349.5
15°	361.0	360.8	361.6	363.6	364.7	366.3	364.5	360.6	358.3	356.7	357.9
17.5°	373.3	373.3	373.7	375.8	377.2	379.7	377.4	372.7	370.6	368.4	369.6
20°	386.9	387.5	387.9	389.4	391.8	394.3	392.4	387.7	385.4	382.6	384.0
22.5°	404.8	404.2	404.4	406.8	410.3	412.8	411.4	405.8	401.9	399.6	400.5
25°	424.7	424.5	425.1	428.8	432.8	435.4	433.4	426.2	422.3	418.4	420.0
27.5°	449.2	449.4	449.8	454.4	460.5	464.4	459.3	452.1	446.7	441.6	442.8
30°	478.2	477.8	479.0	485.2	494.3	500.4	494.5	484.4	476.8	471.8	472.5
32.5°	509.1	509.5	512.8	522.6	534.6	545.5	533.3	520.0	510.1	500.8	502.1
35°	542.4	543.4	550.8	565.4	585.0	599.6	582.7	560.7	546.7	534.8	535.2
37.5°	581.7	584.1	594.4	616.2	644.2	663.7	639.1	609.8	591.7	576.9	575.9
40°	633.3	636.2	650.2	676.1	710.0	727.9	699.3	669.3	646.9	630.8	628.4
42.5°	692.5	696.2	711.5	738.0	771.9	784.1	756.1	730.8	710.6	691.7	690.9
45°	759.4	761.4	773.8	794.1	818.6	821.5	800.5	786.5	766.2	748.5	747.0
47.5°	822.1	824.2	832.6	843.1	848.8	838.6	834.9	828.7	802.4	780.6	776.0
50°	869.8	871.5	882.0	886.1	870.0	848.2	855.4	842.3	813.7	789.2	782.2
52.5°	866.5	870.7	897.6	921.0	911.0	893.3	873.9	845.6	801.1	767.6	759.0
55°	746.0	751.6	809.4	886.5	955.4	963.0	885.7	794.1	710.6	661.5	652.6
57.5°	479.4	480.9	551.4	659.6	814.9	863.9	734.5	598.7	494.9	440.8	437.1
60°	176.3	173.4	226.7	316.3	469.4	521.2	432.3	302.8	216.0	177.7	174.6
62.5°	42.4	42.8	53.1	79.6	147.3	182.2	144.0	80.4	51.2	43.0	42.6
65°	21.4	21.0	21.2	22.8	31.5	37.6	30.9	21.8	21.0	21.2	21.0
67.5°	13.8	13.6	14.0	14.2	14.0	13.2	13.0	13.4	13.4	13.6	13.2
70°	8.4	8.2	8.6	9.3	8.8	7.8	8.2	8.6	8.2	8.0	8.0
72.5°	4.5	4.5	4.9	5.3	4.9	4.5	4.5	4.7	4.5	4.5	4.5
75°	2.1	2.1	2.3	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)