

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: P629057

Luminaire Tested: GWS-SA1A-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1907.9 lumens
Efficiency: N/A
Efficacy: 96.8 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

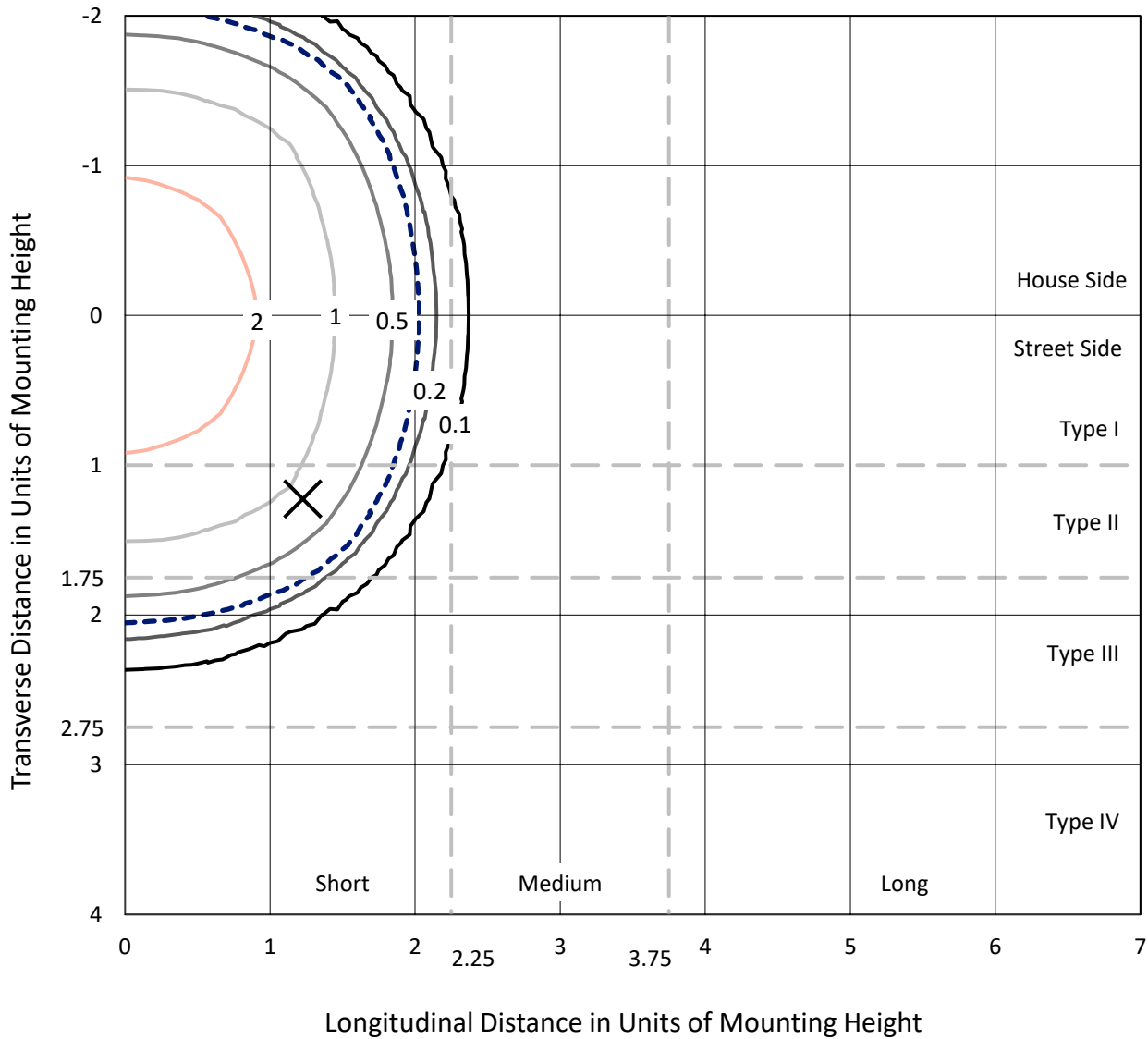
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

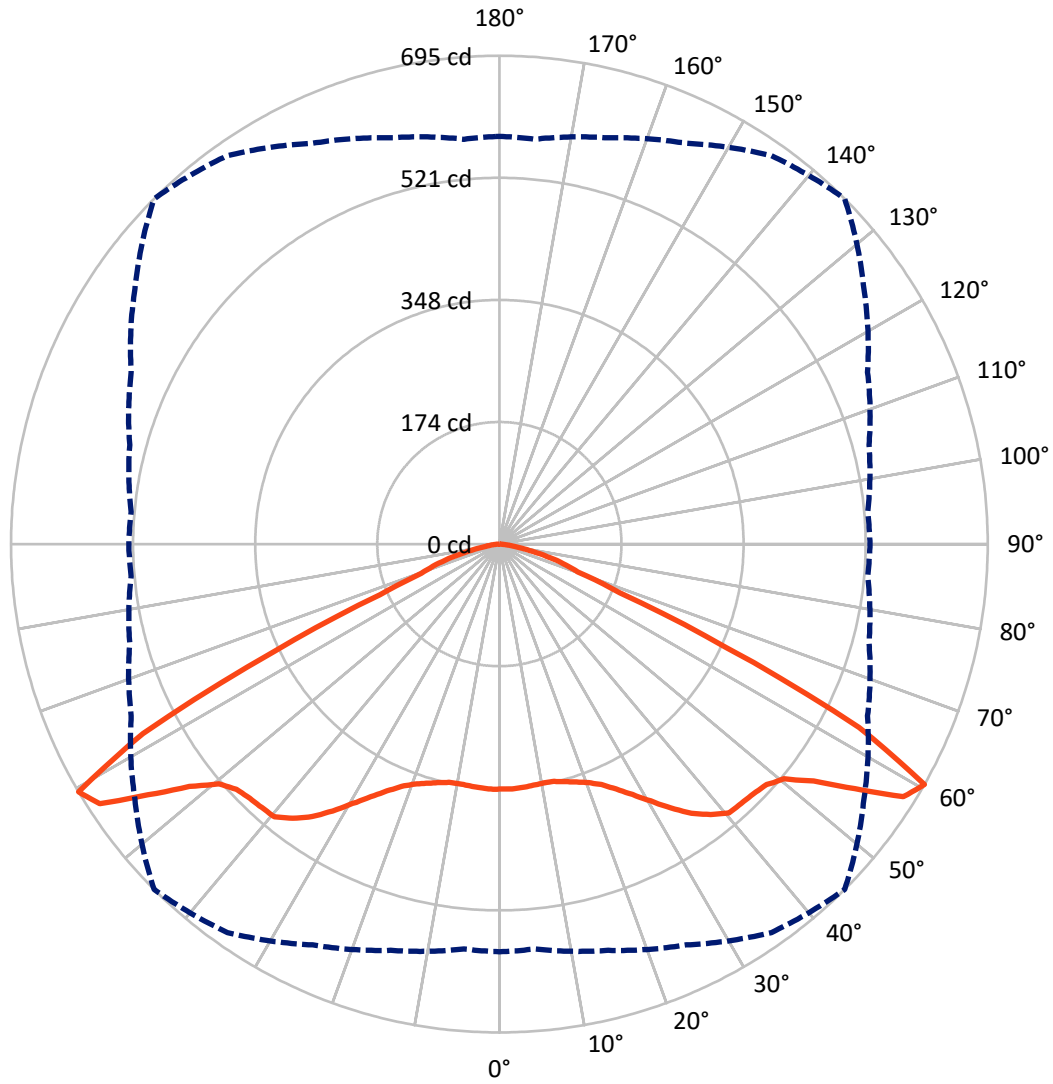
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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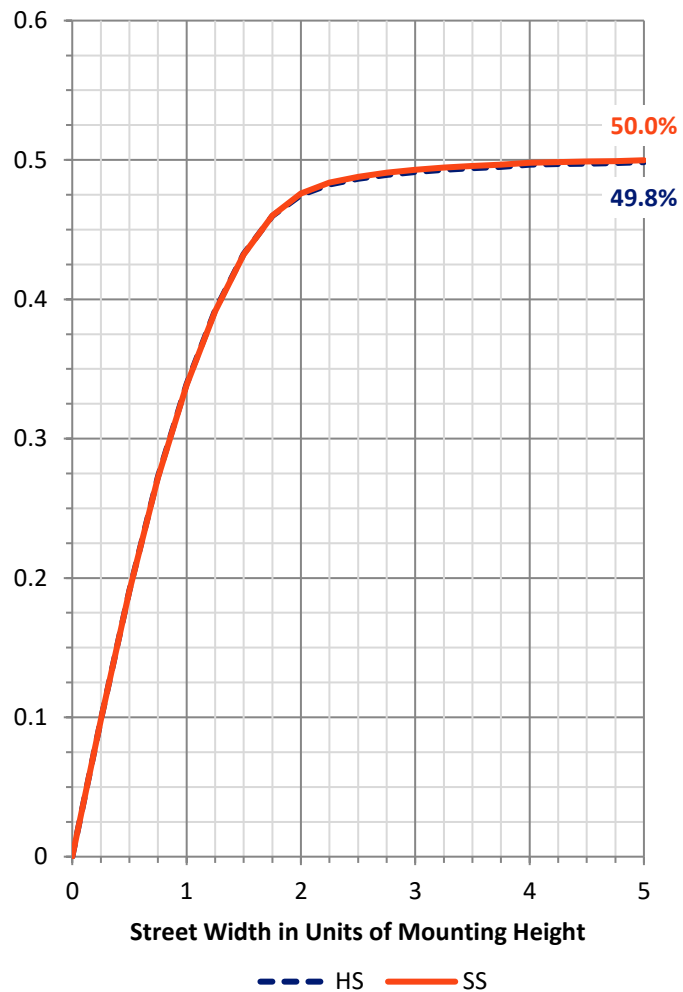
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	953.9	0.0	953.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	953.9	0.0	953.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	1907.9	0.0	1907.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.7
10°-20°	99.5	5.2
20°-30°	176.0	9.2
30°-40°	283.3	14.8
40°-50°	389.4	20.4
50°-60°	518.9	27.2
60°-70°	323.4	17.0
70°-80°	74.4	3.9
80°-90°	10.1	0.5
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°	1907.9	100.0
0°-180°	1907.9	100.0

Coefficient of Utilization



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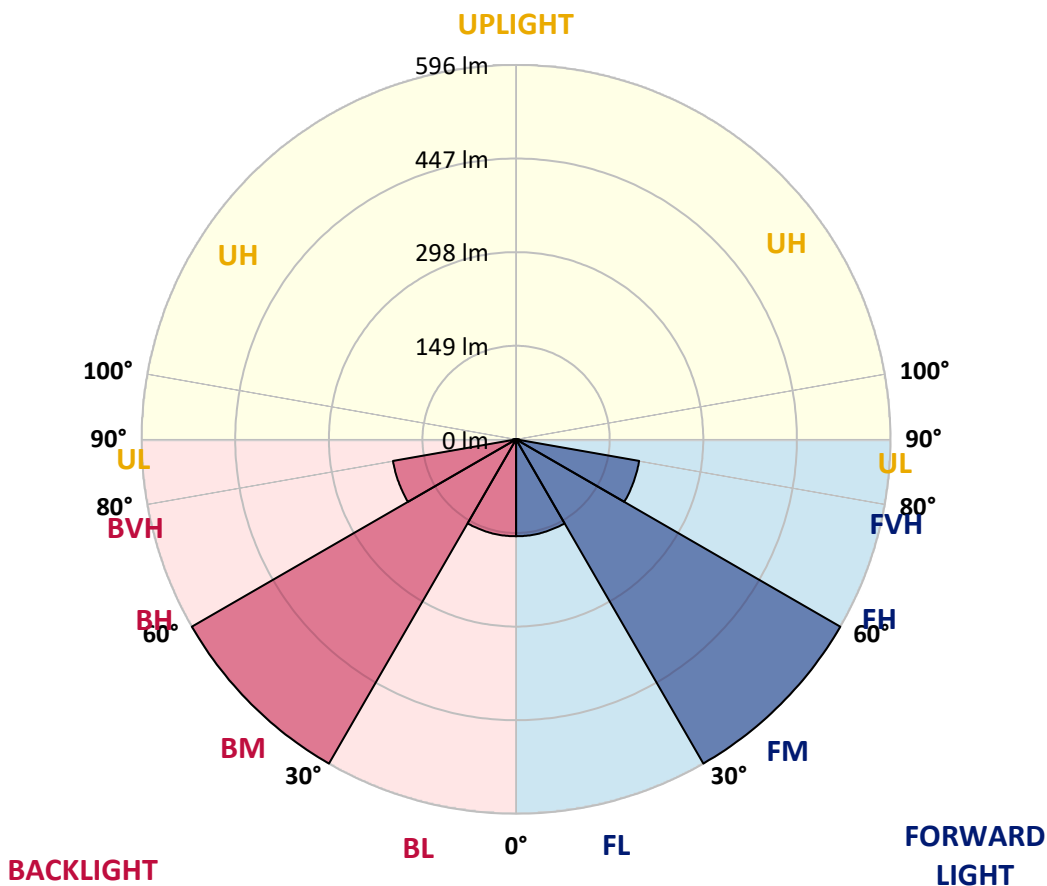
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.2	8.1			
FM (30°-60°)	595.8	31.2			
FH (60°-80°)	198.9	10.4			G0/660
FVH (80°-90°)	5.0	0.3			G0/10
BL (0°-30°)	154.2	8.1	B1/500		
BM (30°-60°)	595.8	31.2	B1/1000		
BH (60°-80°)	198.9	10.4	B1/500		G0/660
BVH (80°-90°)	5.0	0.3			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°	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7
2.5°	346.2	346.6	347.2	347.7	348.3	349.0	349.3	348.7	348.3	347.0	348.5
5°	346.6	346.9	347.4	347.4	347.5	348.0	348.0	347.2	346.4	344.9	346.6
7.5°	346.1	346.4	346.6	346.4	346.6	346.7	346.4	345.4	344.6	343.3	344.6
10°	345.3	345.6	345.9	345.6	345.3	345.8	345.8	345.1	344.6	343.3	344.8
12.5°	347.0	347.5	347.7	346.9	346.6	346.7	346.7	346.1	346.1	344.9	346.6
15°	351.3	351.6	351.1	350.1	350.3	350.8	349.6	348.0	347.7	347.2	348.5
17.5°	354.5	354.8	354.3	353.7	354.8	356.0	353.8	350.8	349.8	349.5	350.9
20°	358.1	358.5	357.9	358.7	361.0	362.3	359.7	355.5	353.5	353.0	354.8
22.5°	363.9	364.5	364.5	366.3	369.7	371.8	368.6	362.9	360.0	359.2	361.0
25°	373.1	373.6	374.1	377.7	383.2	386.1	380.9	373.1	369.1	367.8	368.7
27.5°	385.9	386.7	387.5	392.7	399.5	403.7	396.3	386.6	381.5	378.9	380.9
30°	401.1	402.3	404.2	410.0	419.6	424.3	414.7	402.9	397.2	394.5	397.1
32.5°	421.9	422.0	423.5	430.0	442.6	447.9	436.0	422.8	417.0	413.8	415.2
35°	446.5	446.6	444.4	451.0	464.6	470.6	456.5	443.2	438.4	437.4	441.1
37.5°	471.7	470.3	468.0	470.9	484.7	488.6	473.7	462.4	460.2	462.0	467.5
40°	489.7	487.3	482.8	484.9	498.8	503.3	487.5	476.8	476.1	480.5	487.1
42.5°	501.4	498.8	493.4	493.4	503.0	504.9	492.6	487.0	488.4	493.4	499.8
45°	507.0	505.6	502.5	500.9	506.2	507.0	497.7	495.4	498.1	500.6	505.4
47.5°	511.4	511.4	510.4	508.8	511.3	511.7	504.8	504.1	507.7	507.7	510.9
50°	519.2	520.0	521.3	521.0	523.6	525.2	520.0	519.0	520.5	515.8	517.4
52.5°	539.6	541.7	545.4	548.3	555.0	560.0	550.8	543.0	535.4	525.0	525.3
55°	576.2	577.2	584.5	593.0	604.2	614.4	595.5	571.3	554.8	542.7	542.8
57.5°	607.1	608.6	619.3	637.3	662.4	678.2	636.3	596.0	572.6	557.7	558.2
60°	580.4	578.5	598.7	629.5	675.0	695.2	633.4	578.3	544.8	526.3	527.6
62.5°	449.1	445.3	467.9	500.1	554.7	574.9	517.9	465.1	433.4	418.9	416.8
65°	273.4	270.0	286.2	305.9	342.8	355.6	329.6	301.5	273.8	265.1	262.7
67.5°	148.8	148.3	152.7	162.4	178.6	184.6	179.6	166.3	159.2	153.0	153.0
70°	118.1	117.1	116.3	116.4	117.9	118.7	118.9	118.2	119.0	119.2	118.5
72.5°	97.8	97.5	95.9	96.0	95.4	95.1	96.2	96.8	98.1	98.3	98.3
75°	70.9	70.1	70.9	71.1	70.4	70.4	71.3	71.1	71.7	72.1	70.3
77.5°	40.3	40.3	41.5	42.8	43.7	43.7	44.5	44.5	45.3	45.2	44.9
80°	22.2	22.2	22.8	23.6	24.6	25.6	26.4	26.6	27.0	26.9	26.4
82.5°	12.6	12.8	13.1	13.6	14.6	15.4	16.2	16.4	16.8	16.8	16.4
85°	6.0	5.8	6.0	6.3	6.8	7.4	8.3	8.7	9.1	9.1	8.7
87.5°	1.1	1.3	1.1	1.3	1.5	1.9	2.3	2.6	3.1	3.2	2.9
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)