

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: P629056

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

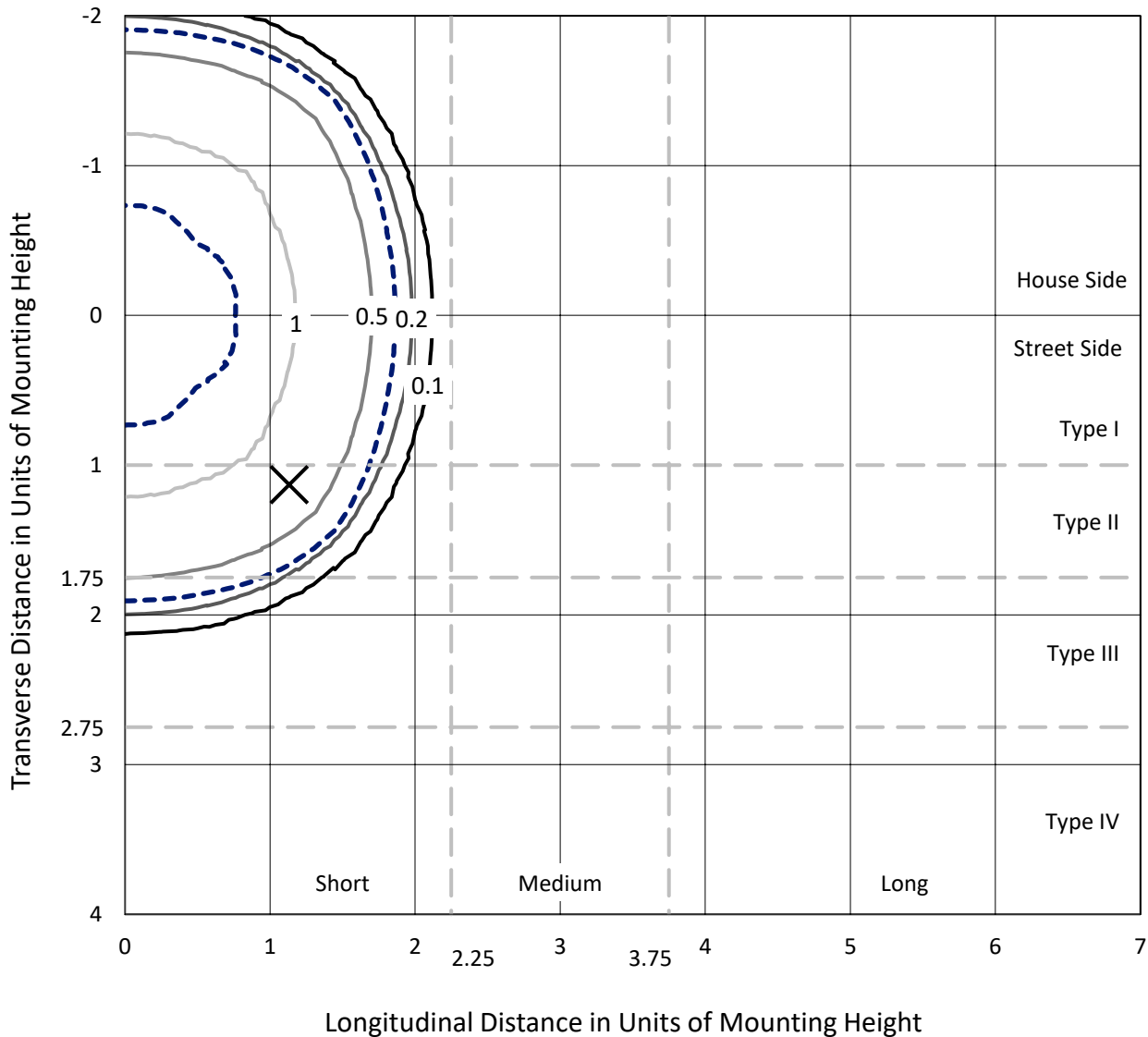
Lumens per Lamp: N/A  
Luminaire Lumens: 1188.8 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

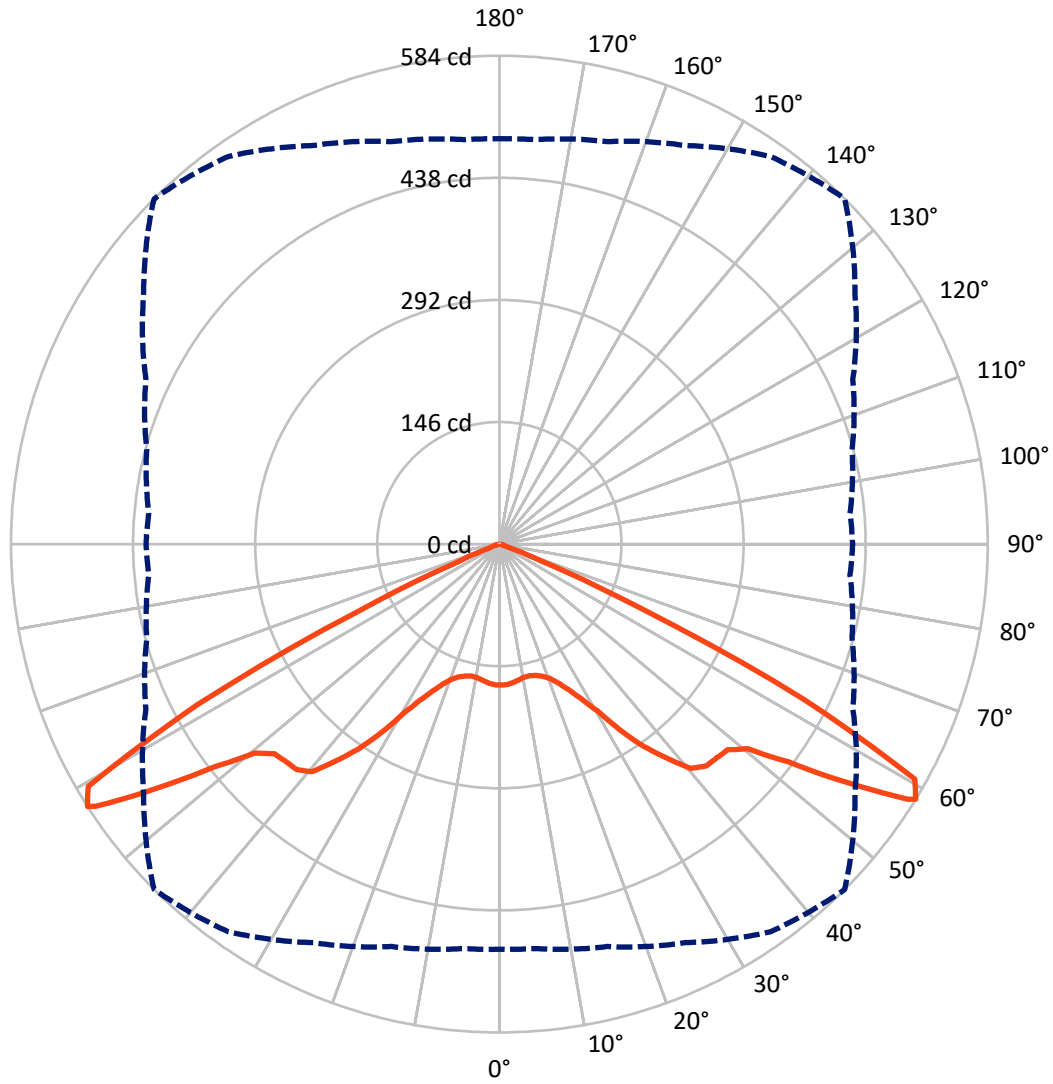
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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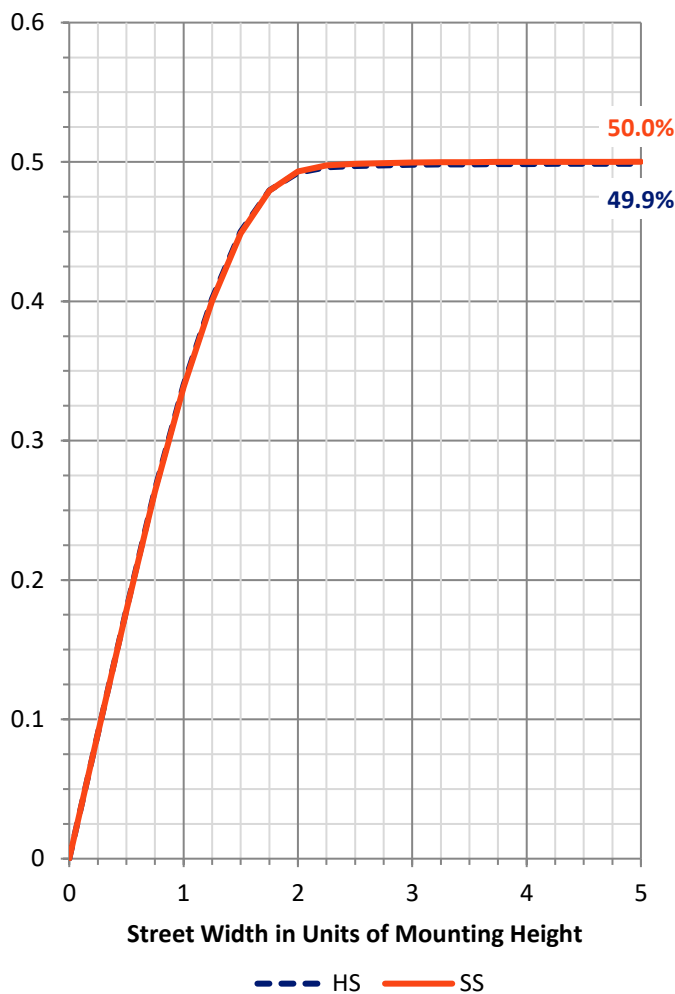
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	594.4	0.0	594.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	594.4	0.0	594.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1188.8	0.0	1188.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	1.3
10°-20°	46.5	3.9
20°-30°	88.0	7.4
30°-40°	173.6	14.6
40°-50°	274.7	23.1
50°-60°	403.8	34.0
60°-70°	180.3	15.2
70°-80°	6.0	0.5
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°	1188.8	100.0
0°-180°	1188.8	100.0

**Coefficient of Utilization**



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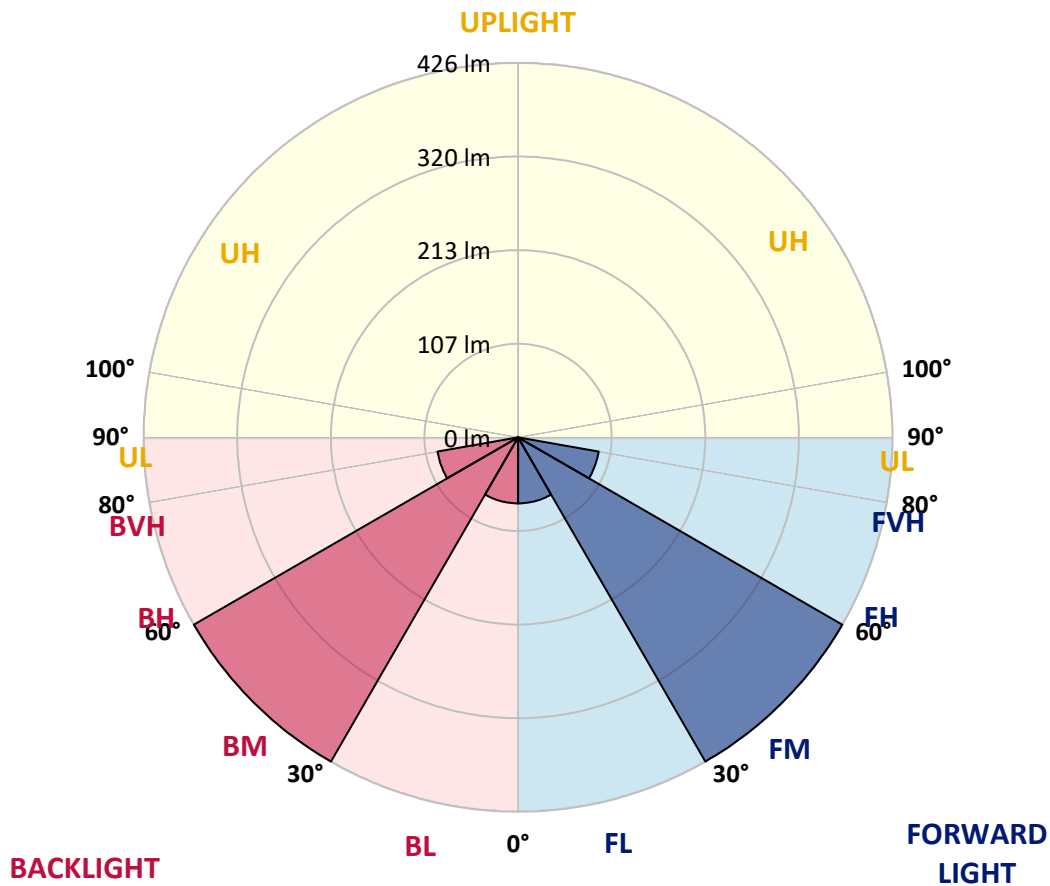
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.1	6.3			
FM (30°-60°)	426.1	35.8			
FH (60°-80°)	93.1	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	75.1	6.3	B0/110		
BM (30°-60°)	426.1	35.8	B1/1000		
BH (60°-80°)	93.1	7.8	B0/110		G0/660
BVH (80°-90°)	0.0	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°	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6
2.5°	167.0	167.3	167.6	167.8	167.9	168.4	168.6	168.1	168.1	167.1	168.3
5°	166.2	166.5	166.8	166.6	166.6	166.6	166.5	165.8	165.7	164.7	165.8
7.5°	164.7	165.0	165.0	164.5	164.2	164.2	164.1	163.2	163.1	162.1	163.2
10°	163.6	163.7	163.6	162.6	161.9	161.9	161.8	161.5	161.6	161.0	161.9
12.5°	164.2	164.4	163.7	162.4	161.6	161.5	161.0	160.5	161.0	160.8	161.8
15°	166.3	166.5	165.3	163.7	163.1	163.1	161.8	160.5	161.1	161.3	162.4
17.5°	168.9	168.9	167.5	166.0	166.2	166.2	164.1	161.8	161.9	162.6	163.7
20°	172.0	172.0	170.5	170.2	171.3	171.5	168.9	165.3	164.5	165.0	166.3
22.5°	177.5	177.5	176.4	177.2	179.8	180.6	176.7	171.7	169.7	170.0	171.3
25°	186.1	186.1	185.8	187.7	191.4	193.2	188.0	181.4	178.1	177.7	179.1
27.5°	200.5	200.7	200.2	203.1	207.8	209.9	202.8	194.0	190.1	189.3	190.8
30°	219.1	219.1	219.3	223.3	229.5	232.2	222.8	212.6	208.1	205.5	207.5
32.5°	239.8	240.2	241.8	248.6	259.4	265.1	251.3	237.1	229.8	227.1	229.2
35°	274.0	270.9	269.0	274.0	289.7	297.2	279.5	262.8	257.3	257.0	262.4
37.5°	307.9	306.1	302.0	307.2	321.3	324.7	305.3	291.3	287.5	289.6	294.9
40°	334.7	331.5	326.2	331.0	349.5	352.9	328.9	315.2	313.7	318.4	325.7
42.5°	356.0	351.4	344.3	345.4	360.3	362.8	341.5	331.2	332.2	338.0	346.2
45°	365.5	362.0	355.6	355.2	364.5	364.7	348.0	342.7	345.3	349.8	356.3
47.5°	369.6	367.9	364.4	363.6	368.9	367.6	357.3	355.0	357.4	358.7	362.4
50°	379.6	379.6	380.1	380.7	386.2	384.9	377.7	375.1	372.0	367.5	368.6
52.5°	407.8	408.9	413.6	418.8	428.8	433.0	421.2	406.2	391.4	381.5	381.5
55°	458.6	459.8	465.3	474.0	492.5	502.5	475.0	441.8	421.6	408.1	409.9
57.5°	486.7	487.9	499.3	522.9	558.7	575.7	516.6	467.4	439.0	423.7	425.0
58°	484.9	485.7	498.5	526.2	566.0	584.3	519.5	466.6	436.8	421.1	422.7
60°	430.8	429.6	450.1	489.6	545.8	571.0	490.5	425.9	391.3	375.2	376.0
62.5°	281.6	282.3	299.9	341.2	384.9	408.8	342.7	294.6	266.7	257.0	254.6
65°	117.6	115.5	126.3	149.3	175.6	188.8	162.3	137.3	120.2	113.7	115.5
67.5°	30.3	29.5	30.1	37.7	46.2	54.6	45.8	35.0	30.4	30.8	30.8
70°	17.2	16.2	13.1	12.1	11.8	11.8	11.8	11.8	13.6	16.0	16.5
72.5°	13.0	12.1	9.6	8.3	7.3	6.8	7.1	8.3	9.9	12.0	12.3
75°	6.5	6.5	5.8	5.5	4.9	4.5	4.7	5.2	6.0	6.8	6.6
77.5°	1.3	1.5	1.6	1.9	1.6	1.6	1.6	1.9	1.9	2.1	1.9
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)