

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: P628782

Luminaire Tested: GWS-SA1A-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628782  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

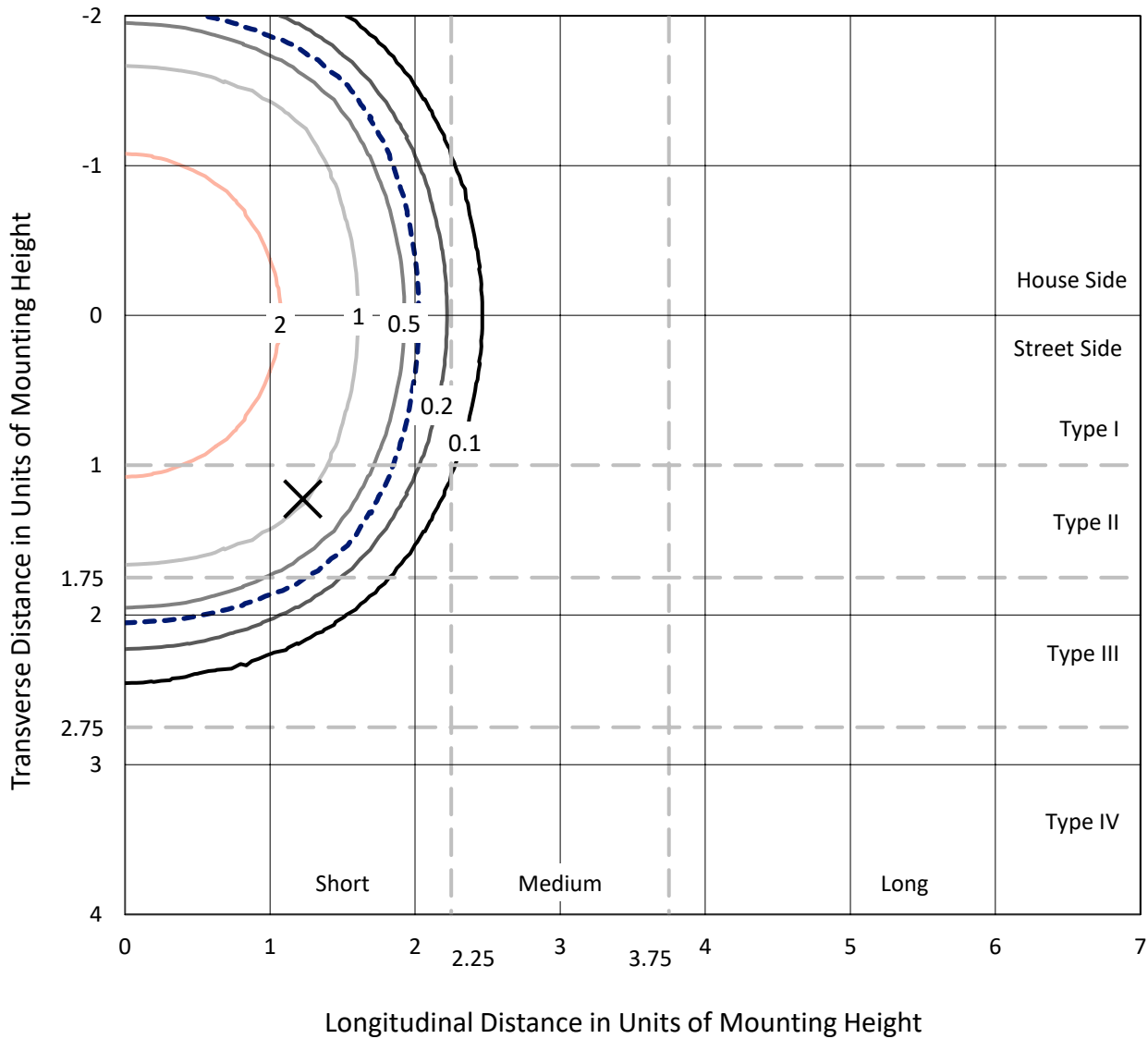
Lumens per Lamp: N/A  
Luminaire Lumens: 2368.8 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

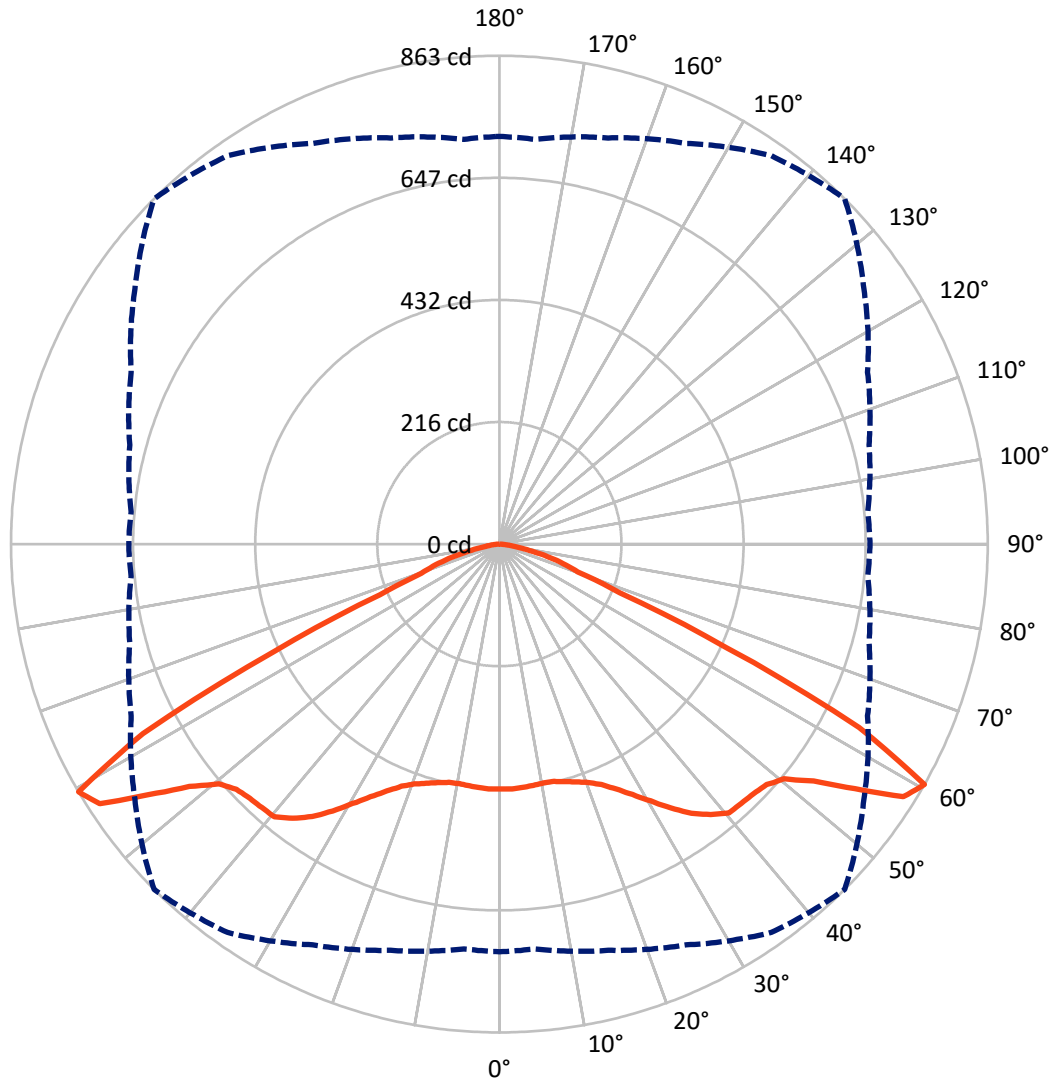
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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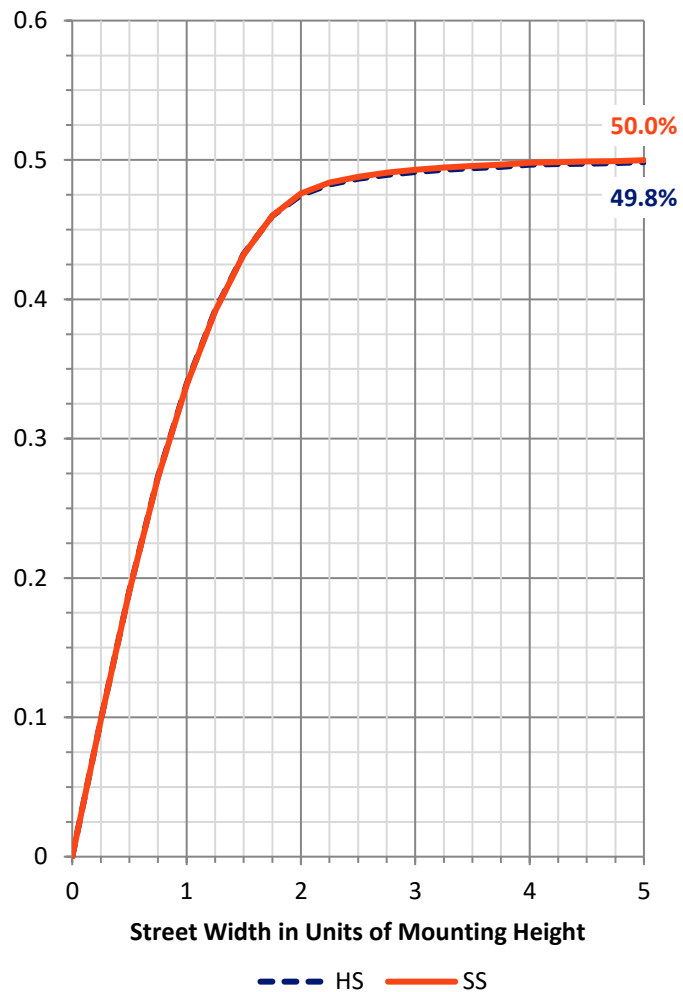
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1184.4	0.0	1184.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1184.4	0.0	1184.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2368.8	0.0	2368.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	1.7
10°-20°	123.5	5.2
20°-30°	218.5	9.2
30°-40°	351.7	14.8
40°-50°	483.4	20.4
50°-60°	644.2	27.2
60°-70°	401.5	17.0
70°-80°	92.3	3.9
80°-90°	12.5	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°	2368.8	100.0
0°-180°	2368.8	100.0

**Coefficient of Utilization**



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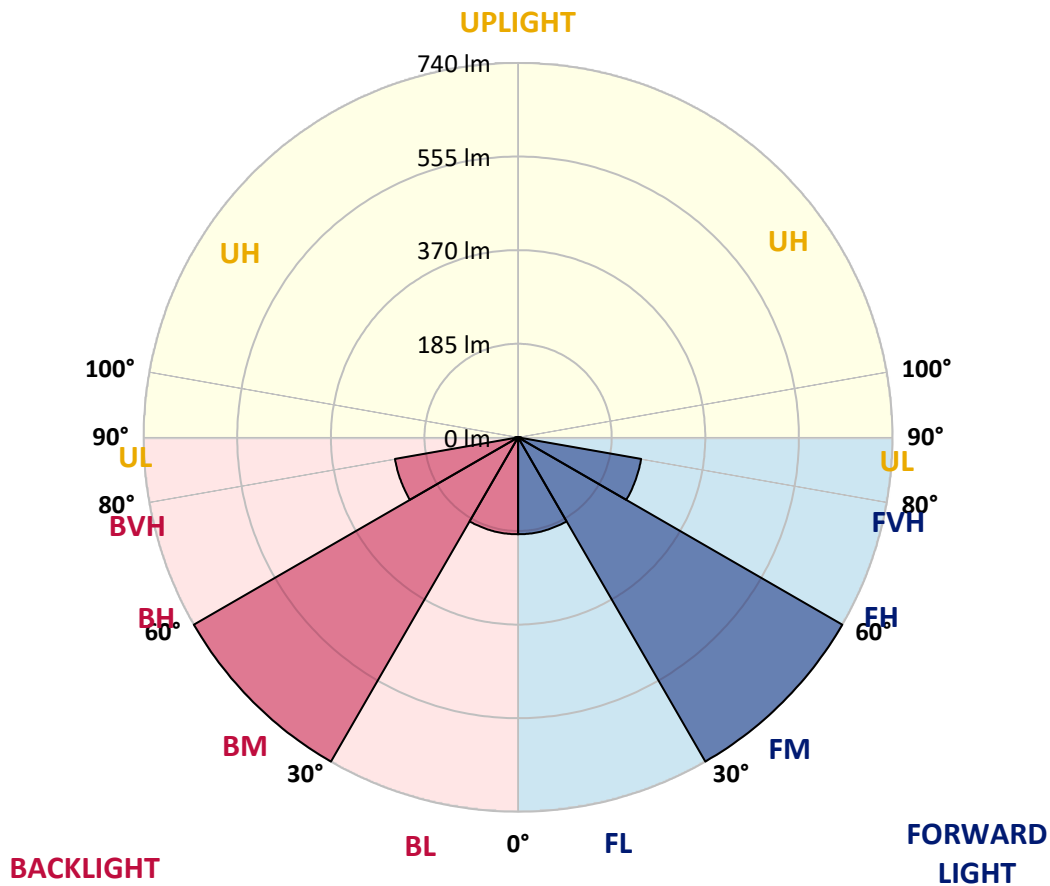
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.5	8.1			
FM (30°-60°)	739.7	31.2			
FH (60°-80°)	246.9	10.4			G0/660
FVH (80°-90°)	6.3	0.3			G0/10
BL (0°-30°)	191.5	8.1	B1/500		
BM (30°-60°)	739.7	31.2	B1/1000		
BH (60°-80°)	246.9	10.4	B1/500		G0/660
BVH (80°-90°)	6.3	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°	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9
2.5°	429.9	430.3	431.1	431.7	432.5	433.3	433.7	432.9	432.5	430.9	432.7
5°	430.3	430.7	431.3	431.3	431.5	432.1	432.1	431.1	430.1	428.3	430.3
7.5°	429.7	430.1	430.3	430.1	430.3	430.5	430.1	428.9	427.9	426.3	427.9
10°	428.7	429.1	429.5	429.1	428.7	429.3	429.3	428.5	427.9	426.3	428.1
12.5°	430.9	431.5	431.7	430.7	430.3	430.5	430.5	429.7	429.7	428.3	430.3
15°	436.1	436.5	435.9	434.7	434.9	435.5	434.1	432.1	431.7	431.1	432.7
17.5°	440.1	440.5	439.9	439.1	440.5	441.9	439.3	435.5	434.3	433.9	435.7
20°	444.6	445.2	444.4	445.4	448.2	449.8	446.6	441.3	438.9	438.3	440.5
22.5°	451.8	452.6	452.6	454.8	459.0	461.6	457.6	450.6	447.0	446.0	448.2
25°	463.3	463.9	464.5	468.9	475.7	479.3	472.9	463.3	458.2	456.6	457.8
27.5°	479.1	480.1	481.2	487.6	496.0	501.3	492.0	479.9	473.7	470.5	472.9
30°	498.0	499.4	501.9	509.1	521.0	526.8	514.9	500.3	493.2	489.8	493.0
32.5°	523.8	524.0	525.8	533.8	549.5	556.1	541.3	525.0	517.7	513.7	515.5
35°	554.3	554.5	551.7	560.0	576.9	584.3	566.8	550.3	544.3	543.1	547.7
37.5°	585.7	583.9	581.1	584.7	601.8	606.6	588.1	574.0	571.4	573.6	580.5
40°	608.0	605.0	599.4	602.0	619.3	624.9	605.2	591.9	591.1	596.6	604.8
42.5°	622.5	619.3	612.6	612.6	624.5	626.9	611.6	604.6	606.4	612.6	620.5
45°	629.5	627.7	623.9	621.9	628.5	629.5	617.9	615.1	618.5	621.5	627.5
47.5°	635.0	635.0	633.8	631.7	634.8	635.4	626.7	625.9	630.3	630.3	634.4
50°	644.6	645.6	647.2	646.8	650.0	652.1	645.6	644.4	646.2	640.4	642.4
52.5°	670.0	672.6	677.2	680.8	689.1	695.3	683.8	674.2	664.7	651.9	652.3
55°	715.4	716.6	725.6	736.3	750.2	762.8	739.3	709.4	688.9	673.8	674.0
57.5°	753.8	755.6	768.9	791.2	822.4	842.1	790.0	739.9	711.0	692.5	693.1
60°	720.6	718.2	743.3	781.5	838.0	863.2	786.4	718.0	676.4	653.5	655.1
62.5°	557.6	552.9	580.9	620.9	688.7	713.8	643.0	577.5	538.1	520.2	517.5
65°	339.4	335.2	355.3	379.8	425.7	441.5	409.2	374.4	340.0	329.1	326.1
67.5°	184.8	184.2	189.6	201.7	221.8	229.2	223.0	206.5	197.6	190.0	190.0
70°	146.6	145.4	144.4	144.6	146.4	147.4	147.6	146.8	147.8	148.0	147.2
72.5°	121.4	121.0	119.0	119.2	118.4	118.0	119.4	120.2	121.8	122.0	122.0
75°	88.1	87.1	88.1	88.3	87.5	87.5	88.5	88.3	89.1	89.5	87.3
77.5°	50.1	50.1	51.5	53.1	54.3	54.3	55.3	55.3	56.3	56.1	55.7
80°	27.5	27.5	28.4	29.4	30.6	31.8	32.8	33.0	33.6	33.4	32.8
82.5°	15.7	15.9	16.3	16.9	18.1	19.1	20.1	20.3	20.9	20.9	20.3
85°	7.4	7.2	7.4	7.8	8.4	9.2	10.3	10.9	11.3	11.3	10.9
87.5°	1.4	1.6	1.4	1.6	1.8	2.4	2.8	3.2	3.8	4.0	3.6
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)