

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: P628941

Luminaire Tested: GWS-SA1A-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-760-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

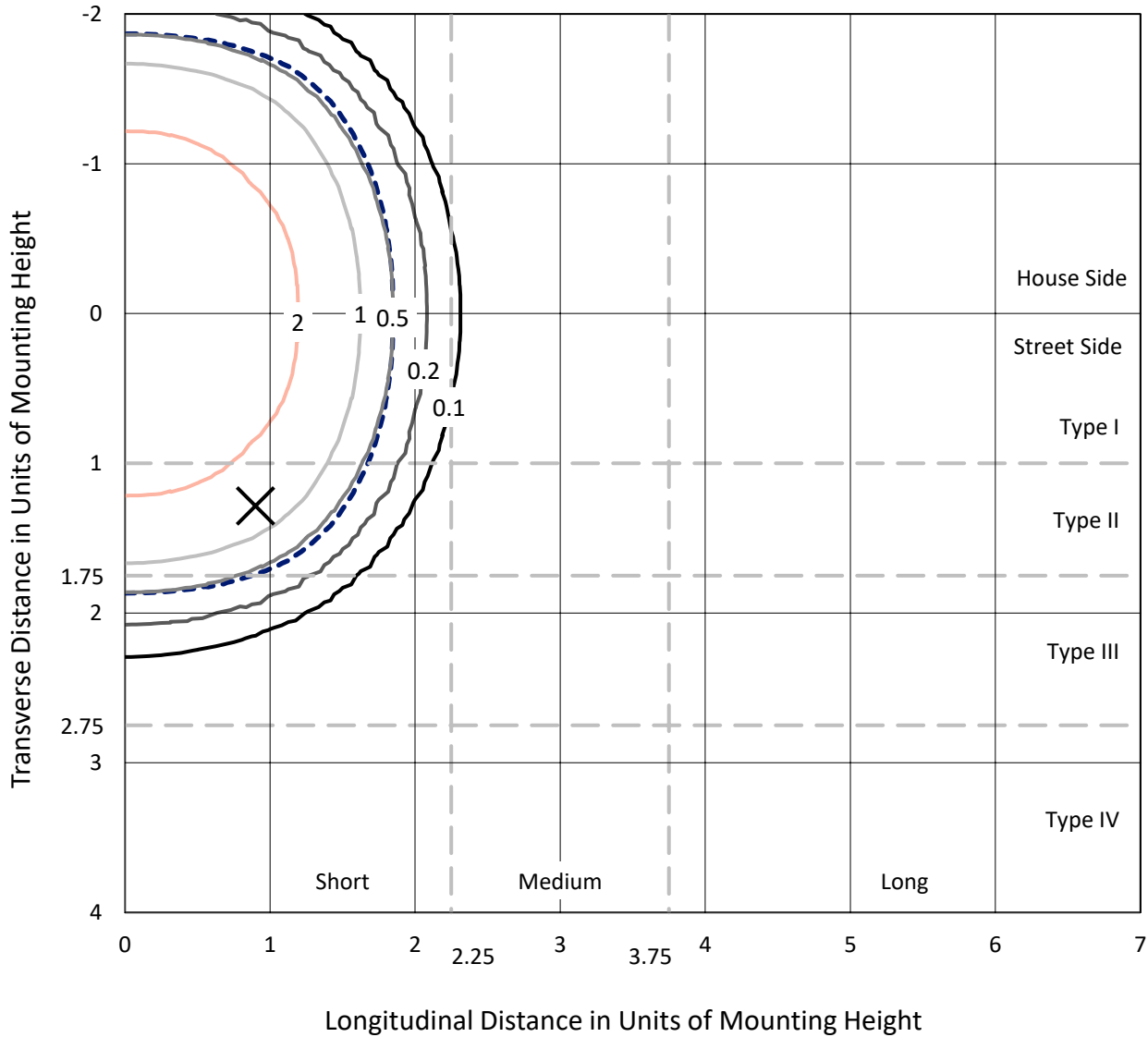
Lumens per Lamp: N/A  
Luminaire Lumens: 2512.1 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

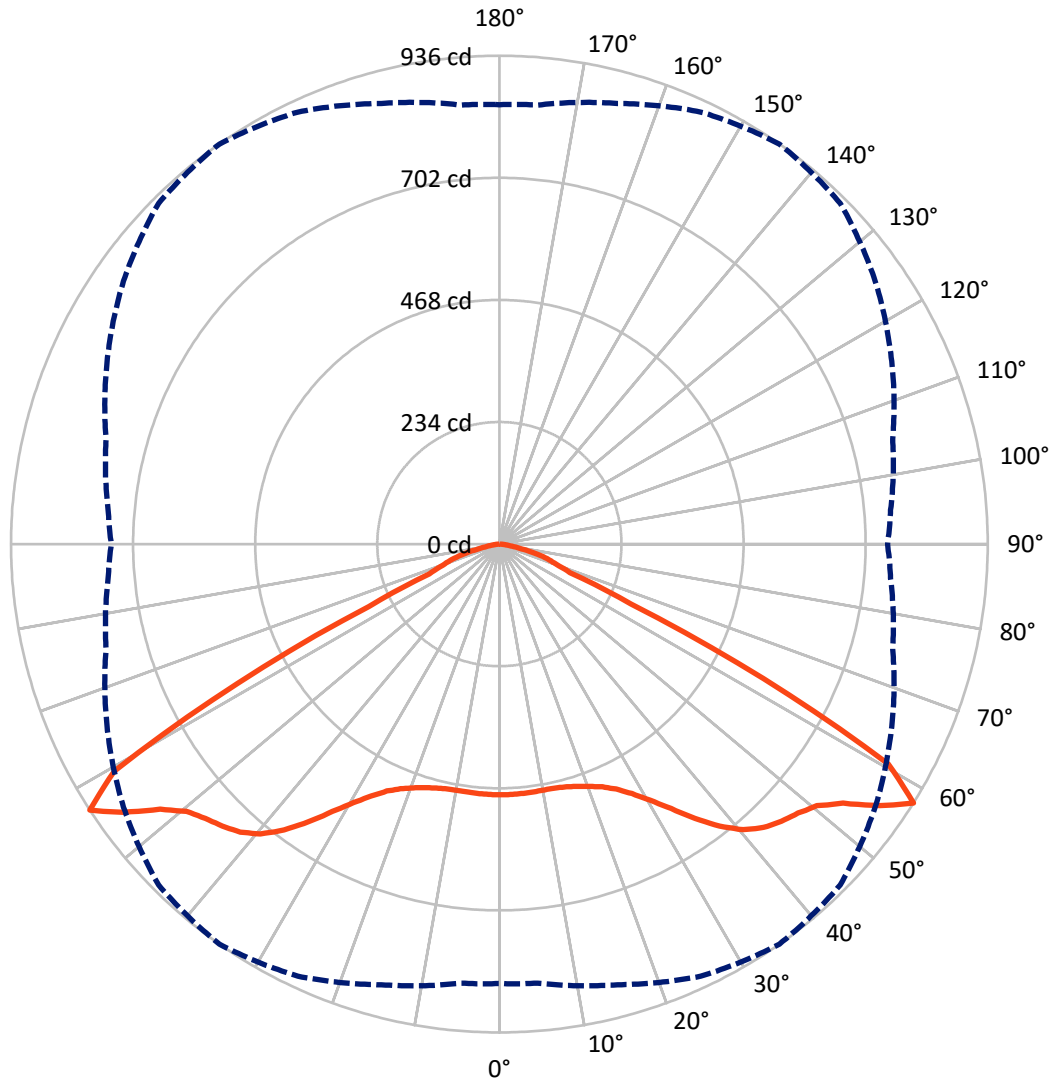
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1256.0	0.0	1256.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1256.0	0.0	1256.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2512.1	0.0	2512.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.7	1.8
10°-20°	136.4	5.4
20°-30°	238.0	9.5
30°-40°	390.3	15.5
40°-50°	574.9	22.9
50°-60°	733.6	29.2
60°-70°	309.2	12.3
70°-80°	73.9	2.9
80°-90°	10.1	0.4
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°	2512.1	100.0
0°-180°	2512.1	100.0

**Coefficient of Utilization**



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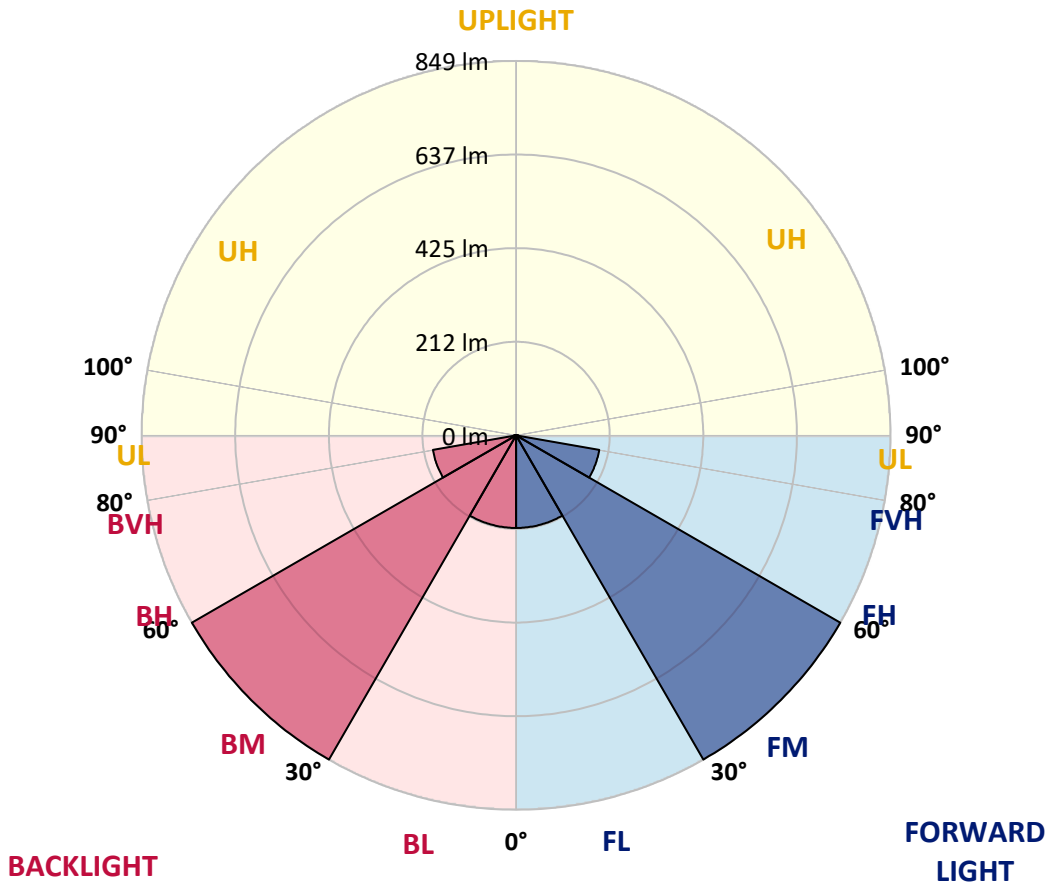
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.1	8.4			
FM (30°-60°)	849.4	33.8			
FH (60°-80°)	191.5	7.6			G0/660
FVH (80°-90°)	5.0	0.2			G0/10
BL (0°-30°)	210.1	8.4	B1/500		
BM (30°-60°)	849.4	33.8	B1/1000		
BH (60°-80°)	191.5	7.6	B1/500		G0/660
BVH (80°-90°)	5.0	0.2			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°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	477.8	477.8	478.8	479.8	480.3	482.1	481.9	481.3	480.9	479.6	481.3
5°	478.8	478.8	479.6	480.3	480.0	481.5	480.9	479.8	479.2	478.0	479.8
7.5°	478.6	478.6	479.2	479.8	479.4	480.7	479.6	478.2	477.2	475.9	477.6
10°	475.9	476.3	477.0	478.4	479.0	480.9	479.4	477.2	475.5	474.1	475.7
12.5°	475.5	475.9	476.8	478.6	479.6	482.3	480.5	476.8	474.3	472.4	474.1
15°	477.4	477.8	479.0	481.3	482.9	485.8	483.1	478.0	474.5	472.0	473.5
17.5°	479.6	480.3	482.1	485.4	488.1	491.2	487.9	481.7	476.8	473.5	474.7
20°	482.1	482.9	485.8	490.7	495.7	499.6	495.5	487.2	481.3	477.0	478.2
22.5°	486.4	487.4	491.2	498.1	505.5	511.3	506.2	495.1	487.2	481.7	482.7
25°	495.3	496.5	501.2	509.7	520.2	527.1	519.9	507.4	496.5	489.7	490.7
27.5°	510.9	511.5	517.7	528.8	541.7	549.8	541.1	526.3	514.2	506.4	507.2
30°	531.5	533.3	539.5	554.1	569.5	580.2	568.9	551.4	537.4	528.0	528.8
32.5°	556.6	557.8	567.0	582.3	604.5	616.8	601.4	580.6	563.8	552.2	553.1
35°	589.5	590.5	599.3	618.7	645.6	657.1	639.4	615.6	596.0	585.1	588.2
37.5°	628.7	630.6	637.0	656.1	686.1	697.4	677.1	654.9	634.5	624.4	626.7
40°	670.9	670.7	675.8	692.7	720.1	727.1	708.8	691.1	673.6	667.0	670.7
42.5°	707.1	706.1	709.8	723.8	742.7	743.3	731.2	721.3	709.0	704.4	707.9
45°	732.4	732.8	738.4	748.0	757.7	752.6	748.9	747.2	737.5	731.4	732.0
47.5°	752.4	754.0	762.8	769.4	770.7	762.0	767.2	769.6	761.6	752.2	749.5
50°	770.0	772.7	784.2	791.2	788.6	777.7	787.7	791.4	773.7	755.6	750.3
52.5°	802.1	805.2	819.2	828.3	825.2	814.3	823.7	810.6	780.7	758.5	751.7
55°	853.3	854.8	871.9	886.7	885.2	871.9	864.2	835.0	798.8	775.8	769.4
57.5°	842.4	844.9	874.5	914.0	936.2	924.1	879.5	829.7	780.5	752.8	744.1
60°	662.9	668.9	705.7	775.2	856.6	856.4	773.5	696.2	637.0	600.2	596.5
62.5°	387.1	391.2	424.7	495.1	568.1	572.6	514.4	461.3	409.5	384.6	372.7
65°	183.3	183.1	196.4	228.1	277.5	281.4	263.9	234.9	204.2	195.8	193.5
67.5°	135.3	135.3	134.3	136.6	146.0	148.1	146.0	141.3	138.4	140.3	139.0
70°	117.4	117.6	116.4	115.8	115.8	115.2	116.0	117.9	119.1	121.6	120.3
72.5°	95.2	95.4	95.4	95.6	95.8	95.0	96.3	97.3	97.5	98.3	97.5
75°	67.7	68.1	69.3	70.3	71.2	71.2	71.6	71.8	71.0	72.0	70.3
77.5°	37.2	37.6	39.9	41.8	43.6	43.8	44.4	44.8	44.4	45.2	44.0
80°	20.6	21.0	22.0	22.8	24.3	25.5	26.3	26.7	26.7	27.4	26.7
82.5°	11.7	12.1	12.8	13.2	14.4	15.4	16.2	16.9	16.9	17.1	16.7
85°	5.6	5.6	6.0	6.4	7.0	7.4	8.4	9.0	9.0	9.5	9.0
87.5°	0.8	1.0	1.2	1.2	1.6	2.1	2.5	2.7	3.1	3.3	3.3
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)