

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: P629325

Luminaire Tested: GWS-SA1B-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629325  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

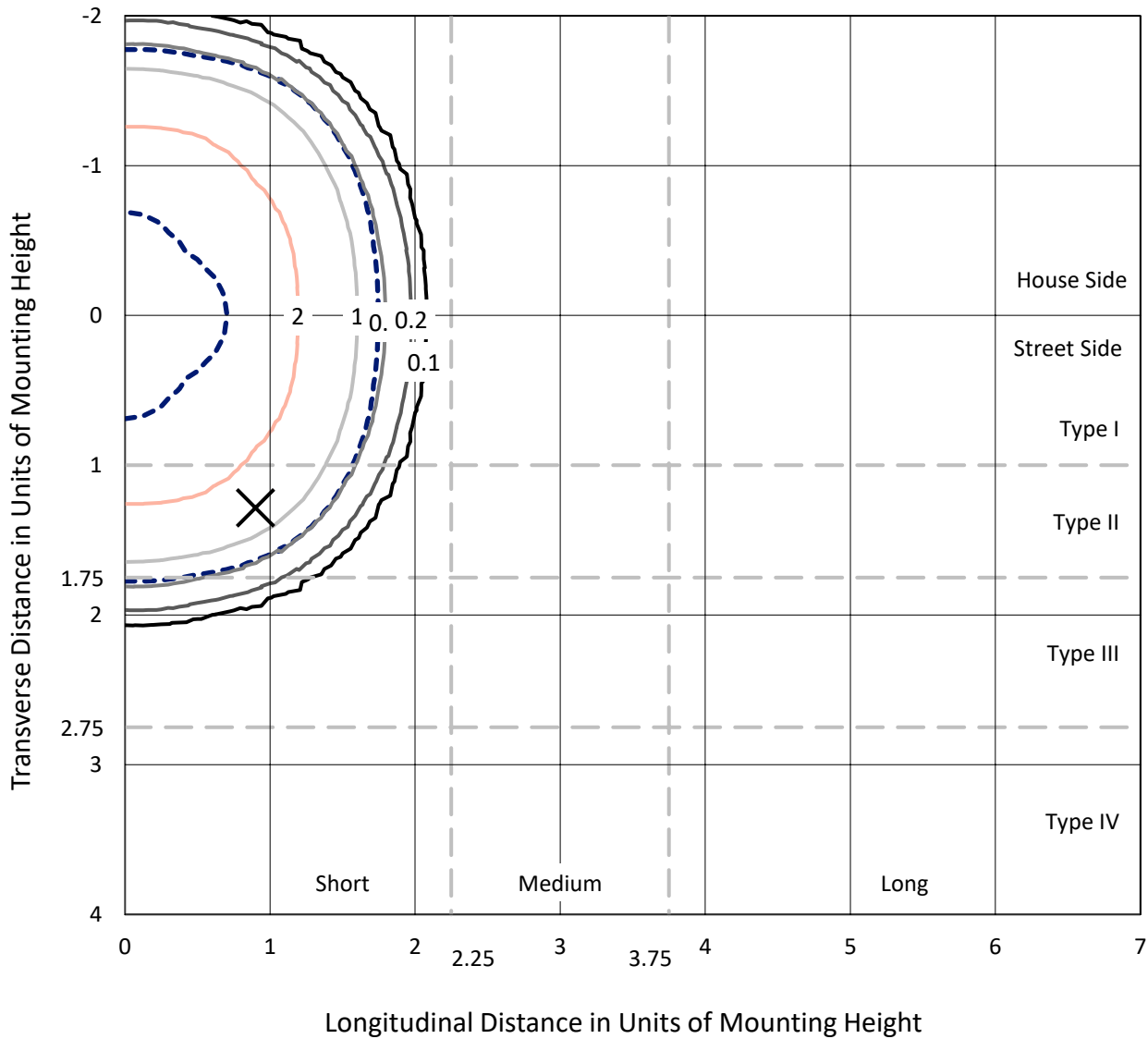
Lumens per Lamp: N/A  
Luminaire Lumens: 2189.8 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

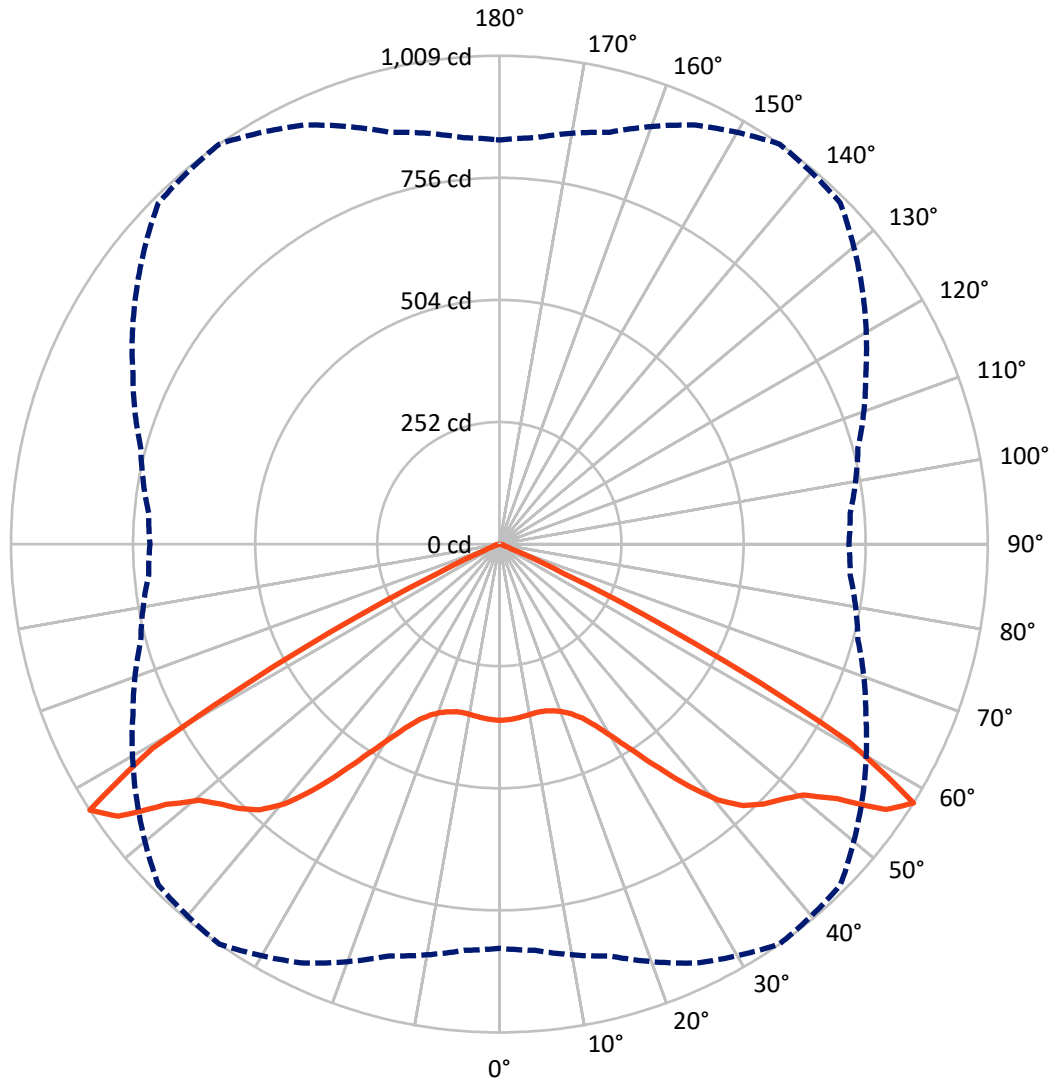
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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	1094.9	0.0	1094.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1094.9	0.0	1094.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2189.8	0.0	2189.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.3	1.6
10°-20°	100.9	4.6
20°-30°	182.4	8.3
30°-40°	340.3	15.5
40°-50°	570.8	26.1
50°-60°	753.8	34.4
60°-70°	200.2	9.1
70°-80°	7.1	0.3
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°	2189.8	100.0
0°-180°	2189.8	100.0

**Coefficient of Utilization**



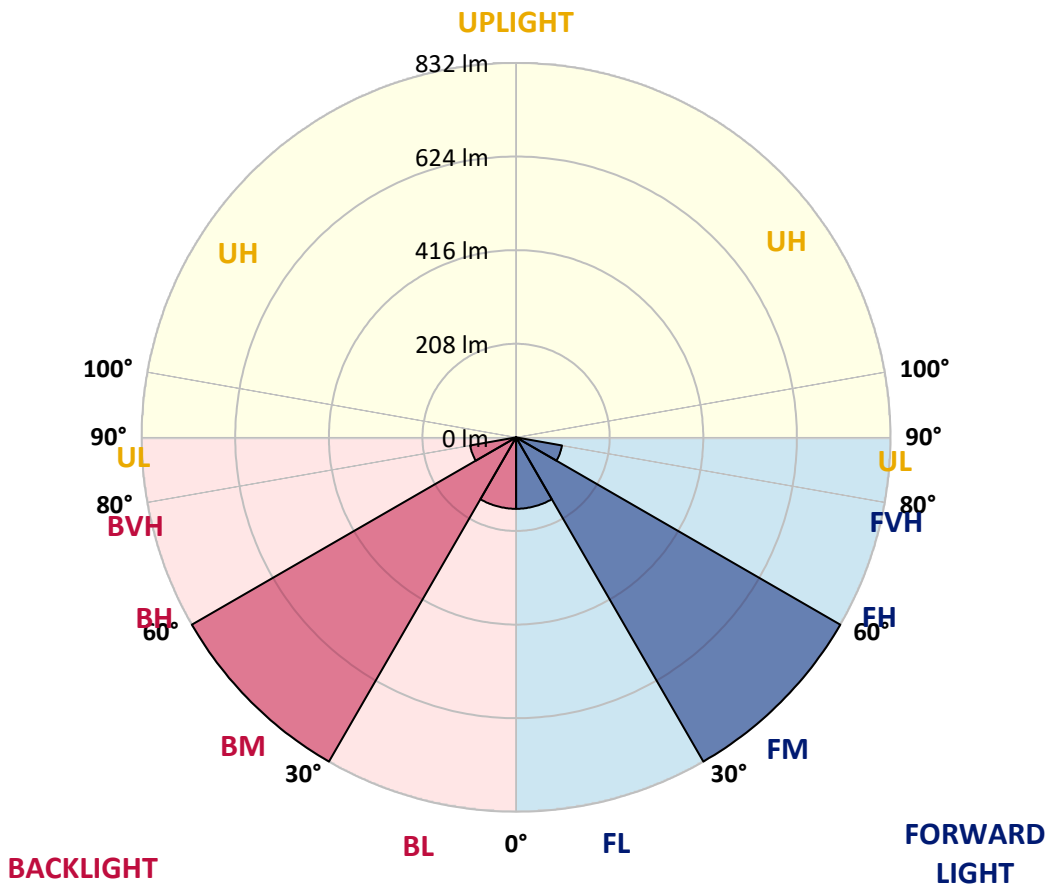
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.8	7.3			
FM (30°-60°)	832.4	38.0			
FH (60°-80°)	103.6	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	158.8	7.3	B1/500		
BM (30°-60°)	832.4	38.0	B1/1000		
BH (60°-80°)	103.6	4.7	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°	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1
2.5°	361.5	361.2	362.3	363.0	363.0	364.8	364.3	363.8	363.3	362.5	364.3
5°	361.0	360.7	361.5	362.0	361.5	363.0	362.0	361.0	360.5	359.4	361.5
7.5°	358.7	358.9	359.4	360.0	359.2	360.5	359.2	357.7	356.4	355.3	357.1
10°	355.1	355.3	355.9	356.9	357.1	358.9	357.1	354.3	352.5	351.0	352.8
12.5°	353.3	353.5	354.3	355.6	355.9	358.2	355.9	351.7	349.2	347.4	349.2
15°	353.8	354.3	355.3	356.9	357.4	359.7	356.6	351.2	347.6	345.3	346.9
17.5°	355.6	356.1	357.7	360.2	362.0	364.3	360.5	353.5	348.7	345.3	346.9
20°	357.9	358.7	361.2	365.4	369.2	373.3	368.4	358.9	352.5	348.4	349.7
22.5°	364.3	365.1	368.7	374.1	380.5	385.7	379.7	367.7	358.9	353.5	354.8
25°	377.4	378.2	382.8	389.8	398.0	404.7	397.2	382.1	370.8	364.6	365.1
27.5°	398.0	398.8	404.2	413.9	425.0	434.5	423.7	406.0	393.1	385.9	385.9
30°	423.9	425.0	432.2	445.3	462.5	475.1	460.4	438.8	422.4	412.6	412.9
32.5°	457.3	456.3	466.6	484.6	509.0	525.7	504.1	477.9	457.6	444.0	445.3
35°	500.2	500.0	511.6	536.0	567.8	587.9	562.2	528.3	503.8	490.0	490.2
37.5°	555.5	555.2	568.6	595.1	633.3	650.0	621.3	586.8	560.6	547.3	548.8
40°	620.2	618.7	630.5	655.9	694.2	705.0	673.7	645.9	620.7	612.3	616.4
42.5°	681.9	678.6	685.5	708.6	738.2	739.7	716.1	697.1	679.8	673.2	675.7
45°	731.5	728.9	735.3	748.7	765.7	758.0	746.6	740.7	726.9	719.7	722.0
47.5°	768.5	768.5	776.2	784.4	787.0	772.9	774.7	774.7	760.8	749.5	746.6
50°	800.3	802.7	814.2	822.7	814.2	796.2	806.5	804.5	776.2	753.6	747.7
52.5°	851.2	853.5	871.3	882.8	873.3	855.6	856.9	831.2	789.6	762.8	753.6
55°	905.2	910.8	936.5	967.4	967.6	949.4	915.5	870.0	819.4	790.3	780.8
57.5°	834.5	842.2	880.5	954.8	1008.5	995.9	914.9	835.0	766.7	727.1	721.7
60°	574.2	587.6	625.9	727.4	830.9	835.8	740.2	650.6	572.2	523.4	524.4
62.5°	242.5	256.2	277.7	361.2	456.3	462.2	416.0	351.7	287.8	252.6	258.0
65°	57.0	60.9	67.3	99.9	144.9	151.6	139.8	108.9	80.4	68.1	69.4
67.5°	24.9	25.4	24.2	25.7	31.9	32.6	31.6	27.7	26.2	26.7	26.7
70°	17.5	17.7	16.7	15.9	15.2	14.1	14.6	16.2	17.5	18.5	18.2
72.5°	10.8	11.0	11.3	11.3	10.5	9.5	10.0	11.0	11.3	11.6	11.3
75°	5.4	5.7	6.2	6.4	6.2	5.9	5.9	6.2	6.2	5.9	5.9
77.5°	1.0	1.3	1.8	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.1
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)