

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: P629934

Luminaire Tested: GWS-SA1C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629934  
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-SA1C-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

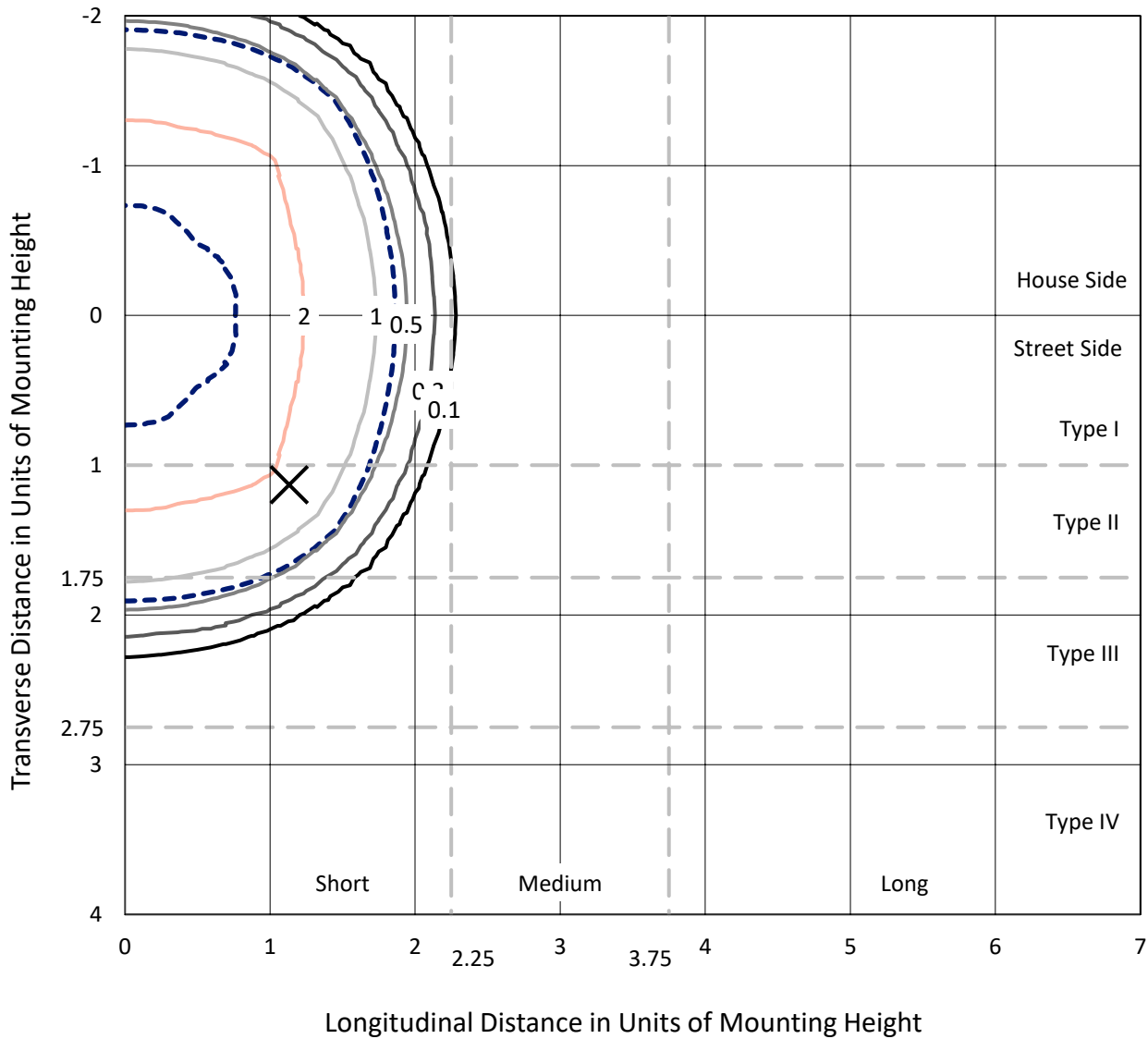
Lumens per Lamp: N/A  
Luminaire Lumens: 2552 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

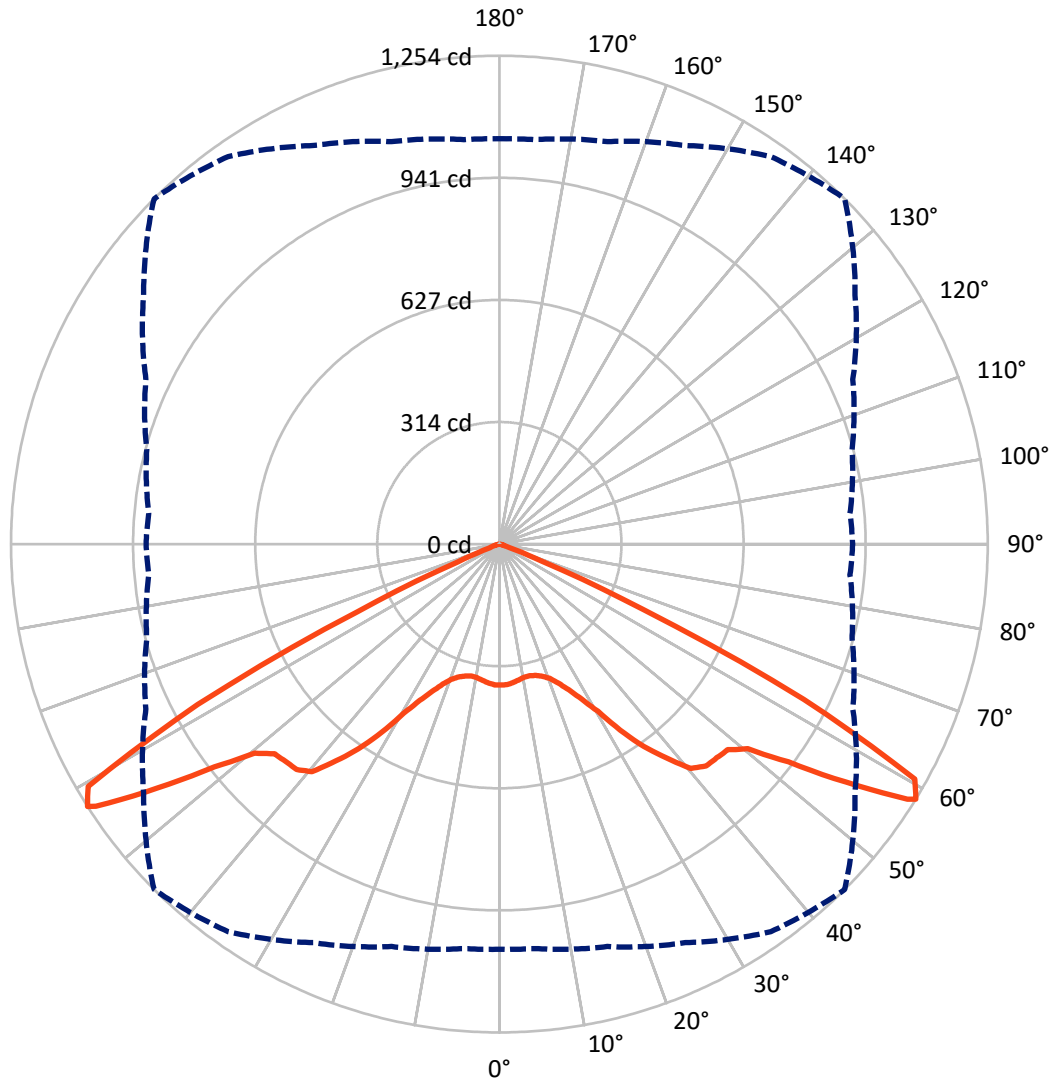
✕ Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1276.0	0.0	1276.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1276.0	0.0	1276.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2552.0	0.0	2552.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.8	1.3
10°-20°	99.9	3.9
20°-30°	189.0	7.4
30°-40°	372.7	14.6
40°-50°	589.8	23.1
50°-60°	866.9	34.0
60°-70°	387.0	15.2
70°-80°	13.0	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°	2552.0	100.0
0°-180°	2552.0	100.0

**Coefficient of Utilization**



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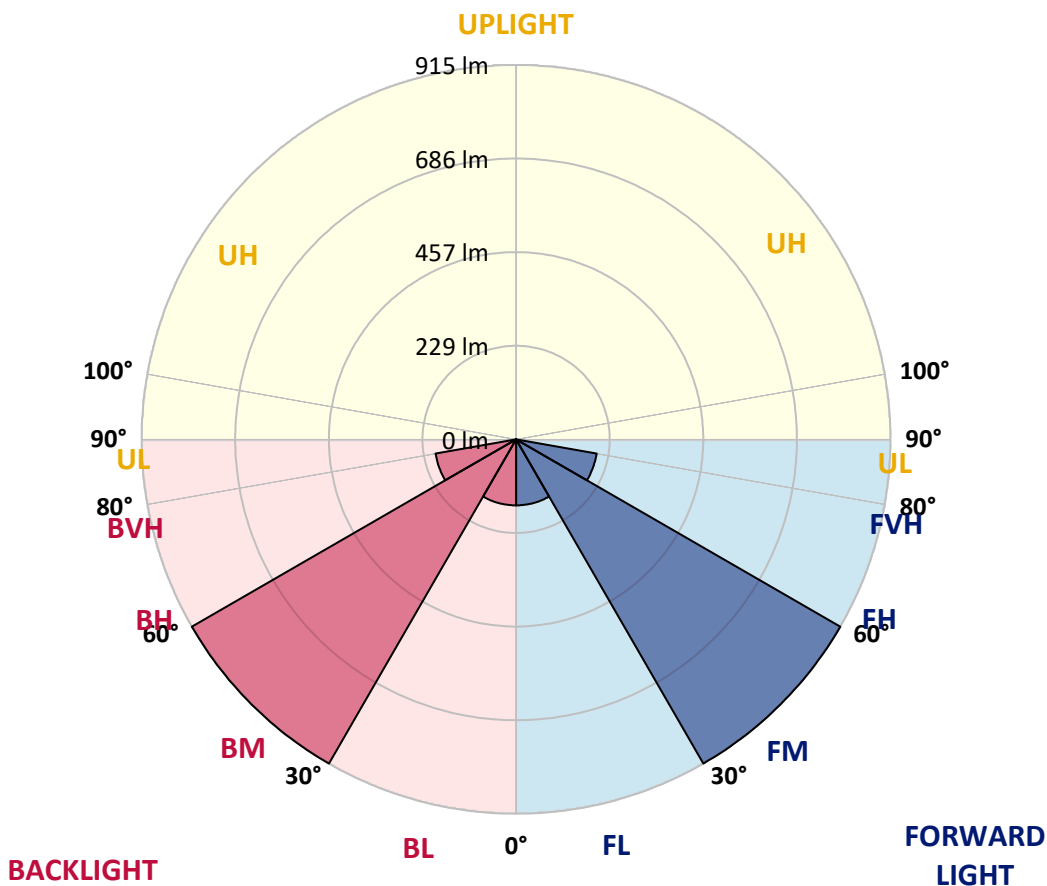
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.3	6.3			
FM (30°-60°)	914.7	35.8			
FH (60°-80°)	200.0	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	161.3	6.3	B1/500		
BM (30°-60°)	914.7	35.8	B1/1000		
BH (60°-80°)	200.0	7.8	B1/500		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°	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9
2.5°	358.4	359.1	359.8	360.2	360.5	361.6	361.9	360.9	360.9	358.8	361.2
5°	356.7	357.4	358.1	357.7	357.7	357.7	357.4	356.0	355.6	353.6	356.0
7.5°	353.6	354.3	354.3	353.2	352.5	352.5	352.2	350.4	350.1	348.0	350.4
10°	351.1	351.5	351.1	349.0	347.7	347.7	347.3	346.6	347.0	345.6	347.7
12.5°	352.5	352.9	351.5	348.7	347.0	346.6	345.6	344.5	345.6	345.2	347.3
15°	357.0	357.4	355.0	351.5	350.1	350.1	347.3	344.5	345.9	346.3	348.7
17.5°	362.6	362.6	359.5	356.3	356.7	356.7	352.2	347.3	347.7	349.0	351.5
20°	369.2	369.2	366.1	365.4	367.8	368.2	362.6	355.0	353.2	354.3	357.0
22.5°	381.0	381.0	378.6	380.3	385.9	387.6	379.3	368.5	364.3	365.0	367.8
25°	399.5	399.5	398.8	402.9	410.9	414.8	403.6	389.4	382.4	381.4	384.5
27.5°	430.4	430.7	429.7	436.0	446.0	450.6	435.3	416.5	408.1	406.4	409.5
30°	470.4	470.4	470.7	479.4	492.6	498.5	478.4	456.5	446.7	441.2	445.3
32.5°	514.9	515.6	519.0	533.6	556.9	569.1	539.6	509.0	493.3	487.4	491.9
35°	588.2	581.6	577.5	588.2	622.0	637.9	600.1	564.2	552.4	551.7	563.2
37.5°	660.9	657.1	648.4	659.5	689.7	697.0	655.3	625.4	617.1	621.6	633.1
40°	718.6	711.6	700.2	710.6	750.2	757.5	706.1	676.5	673.4	683.5	699.1
42.5°	764.1	754.4	739.1	741.5	773.5	778.7	733.2	711.0	713.0	725.6	743.3
45°	784.7	777.0	763.4	762.4	782.6	782.9	747.1	735.6	741.2	750.9	764.8
47.5°	793.3	789.9	782.2	780.5	792.0	789.2	766.9	762.1	767.3	770.1	778.0
50°	814.9	814.9	815.9	817.3	829.2	826.4	810.7	805.2	798.6	788.8	791.3
52.5°	875.4	877.8	887.9	899.0	920.6	929.6	904.2	871.9	840.3	819.1	819.1
55°	984.6	987.0	998.8	1017.6	1057.2	1078.8	1019.7	948.4	904.9	876.1	879.9
57.5°	1044.7	1047.5	1071.8	1122.6	1199.4	1235.9	1109.0	1003.3	942.5	909.5	912.2
58°	1040.9	1042.6	1070.1	1129.5	1215.0	1254.3	1115.3	1001.6	937.6	903.9	907.4
60°	924.8	922.3	966.1	1051.0	1171.6	1225.8	1053.0	914.3	839.9	805.5	807.3
62.5°	604.6	606.0	643.9	732.5	826.4	877.5	735.6	632.4	572.6	551.7	546.5
65°	252.4	247.9	271.2	320.5	376.9	405.4	348.3	294.8	258.0	244.1	247.9
67.5°	65.0	63.3	64.7	81.0	99.1	117.2	98.4	75.1	65.4	66.1	66.1
70°	36.9	34.8	28.2	26.1	25.4	25.4	25.4	25.4	29.2	34.4	35.5
72.5°	27.8	26.1	20.5	17.7	15.6	14.6	15.3	17.7	21.2	25.7	26.4
75°	13.9	13.9	12.5	11.8	10.4	9.7	10.1	11.1	12.9	14.6	14.3
77.5°	2.8	3.1	3.5	4.2	3.5	3.5	3.5	4.2	4.2	4.5	4.2
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	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	0.0	0.3	0.3
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)