

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: P643794

Luminaire Tested: GWS-SA6F-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643794  
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-SA6F-760-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26424.8 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
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

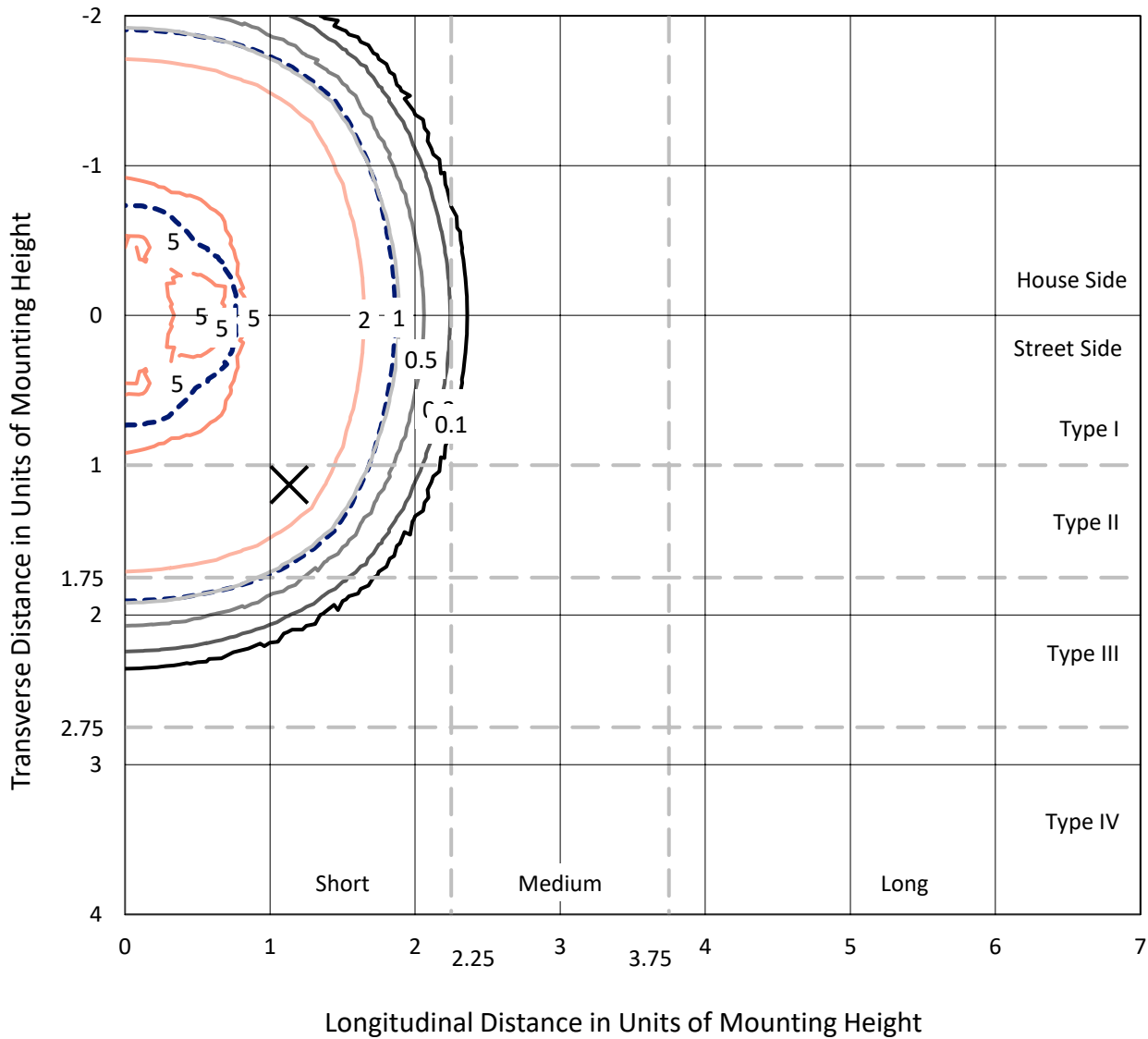


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### Iso-Footcandle Lines of Horizontal Illumination

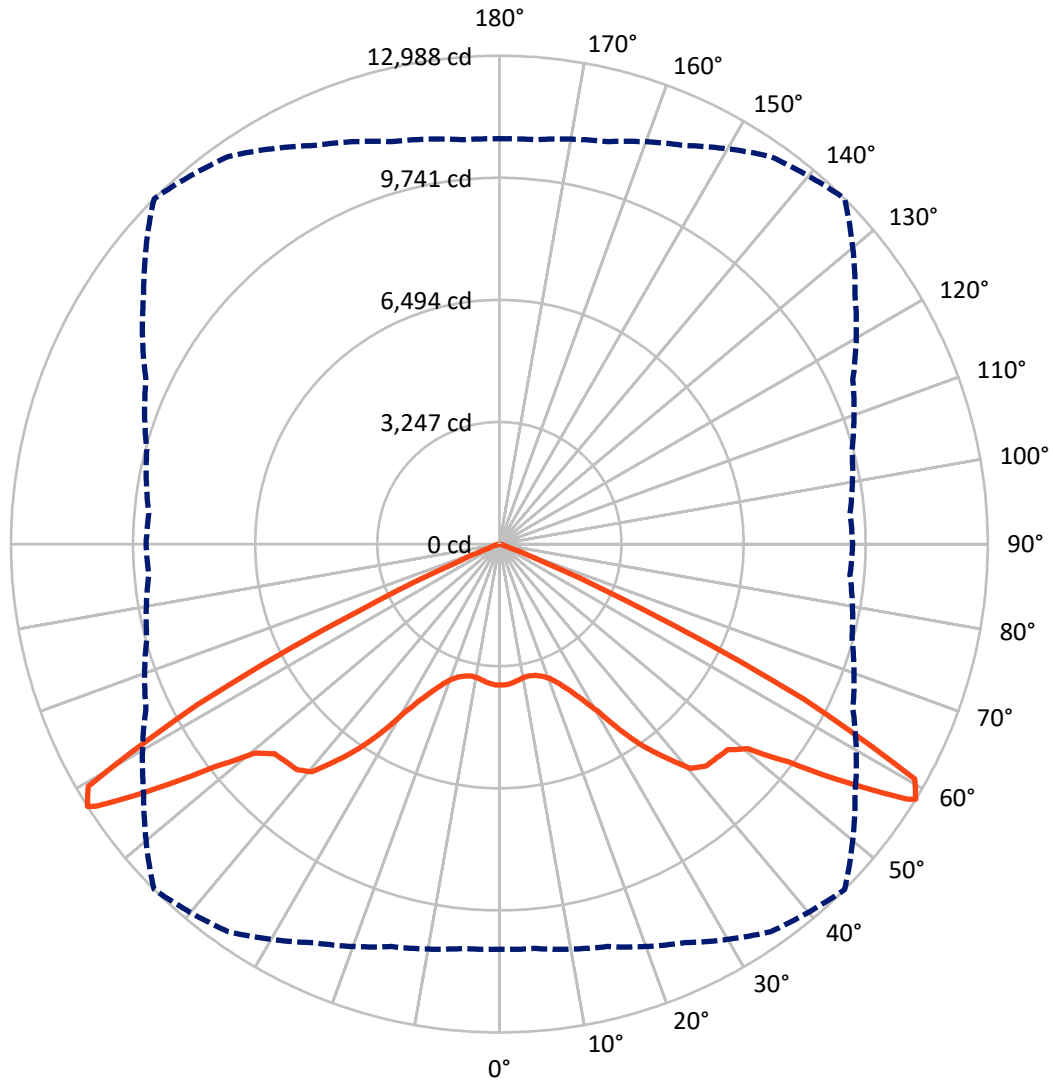
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	13212.4	0.0	13212.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13212.4	0.0	13212.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26424.8	0.0	26424.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.6	1.3
10°-20°	1034.5	3.9
20°-30°	1956.6	7.4
30°-40°	3858.9	14.6
40°-50°	6106.6	23.1
50°-60°	8976.4	34.0
60°-70°	4006.7	15.2
70°-80°	134.2	0.5
80°-90°	1.1	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°	26424.8	100.0
0°-180°	26424.8	100.0

**Coefficient of Utilization**



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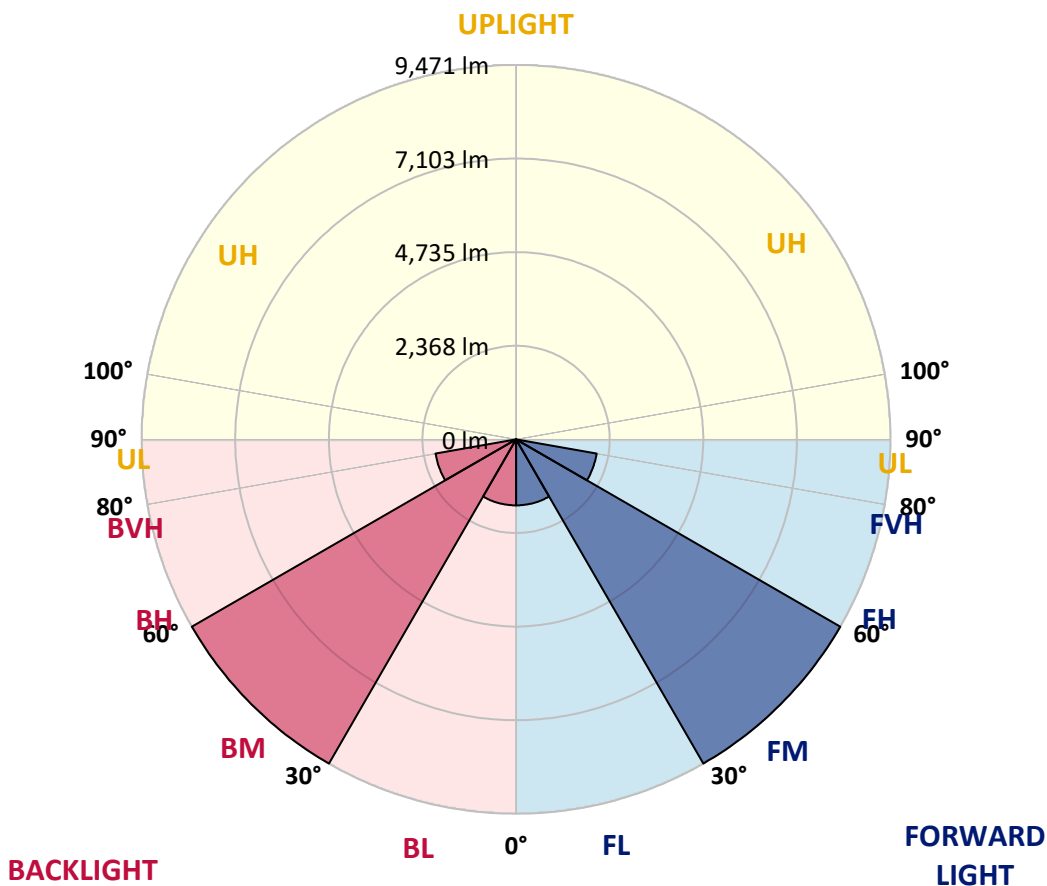
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1670.4	6.3			
FM (30°-60°)	9471.0	35.8			
FH (60°-80°)	2070.5	7.8			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1670.4	6.3	B3/2500		
BM (30°-60°)	9471.0	35.8	B5		
BH (60°-80°)	2070.5	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4	3747.4
2.5°	3711.4	3718.6	3725.8	3729.4	3733.0	3743.8	3747.4	3736.6	3736.6	3715.0	3740.2
5°	3693.4	3700.6	3707.8	3704.2	3704.2	3704.2	3700.6	3686.2	3682.6	3661.0	3686.2
7.5°	3661.0	3668.2	3668.2	3657.4	3650.2	3650.2	3646.6	3628.6	3625.0	3603.4	3628.6
10°	3635.8	3639.4	3635.8	3614.2	3599.8	3599.8	3596.2	3589.0	3592.6	3578.2	3599.8
12.5°	3650.2	3653.8	3639.4	3610.6	3592.6	3589.0	3578.2	3567.4	3578.2	3574.6	3596.2
15°	3697.0	3700.6	3675.4	3639.4	3625.0	3625.0	3596.2	3567.4	3581.8	3585.4	3610.6
17.5°	3754.6	3754.6	3722.2	3689.8	3693.4	3693.4	3646.6	3596.2	3599.8	3614.2	3639.4
20°	3823.0	3823.0	3790.6	3783.4	3808.6	3812.2	3754.6	3675.4	3657.4	3668.2	3697.0
22.5°	3945.4	3945.4	3920.2	3938.2	3995.8	4013.8	3927.4	3815.8	3772.6	3779.8	3808.6
25°	4136.2	4136.2	4129.0	4172.2	4255.0	4294.6	4179.4	4031.8	3959.8	3949.0	3981.4
27.5°	4456.5	4460.1	4449.3	4514.1	4618.5	4665.3	4506.9	4312.6	4226.2	4208.2	4240.6
30°	4870.5	4870.5	4874.1	4964.1	5100.9	5162.1	4953.3	4726.5	4625.7	4568.1	4611.3
32.5°	5331.3	5338.5	5374.5	5525.7	5766.9	5892.9	5586.9	5270.1	5108.1	5046.9	5093.7
35°	6090.9	6022.5	5979.3	6090.9	6440.0	6605.6	6213.2	5842.5	5720.1	5712.9	5831.7
37.5°	6843.2	6803.6	6713.6	6828.8	7142.0	7217.6	6785.6	6476.0	6389.6	6436.4	6555.2
40°	7440.8	7368.8	7250.0	7358.0	7768.4	7844.0	7311.2	7005.2	6972.8	7077.2	7239.2
42.5°	7912.4	7811.6	7653.2	7678.4	8009.5	8063.5	7592.0	7361.6	7383.2	7512.8	7696.4
45°	8124.7	8045.5	7905.2	7894.4	8103.1	8106.7	7736.0	7617.2	7674.8	7775.6	7919.6
47.5°	8214.7	8178.7	8099.5	8081.5	8200.3	8171.5	7941.2	7890.8	7944.8	7973.6	8056.3
50°	8437.9	8437.9	8448.7	8463.1	8585.5	8556.7	8394.7	8337.1	8268.7	8167.9	8193.1
52.5°	9064.3	9089.5	9193.9	9309.1	9532.3	9625.9	9363.1	9028.3	8700.7	8481.1	8481.1
55°	10194.6	10219.8	10342.2	10536.6	10947.0	11170.2	10558.2	9820.2	9370.3	9071.5	9111.1
57.5°	10817.4	10846.2	11098.2	11623.7	12419.3	12797.3	11483.4	10389.0	9759.0	9417.1	9445.9
58°	10777.8	10795.8	11080.2	11695.7	12581.3	12988.1	11548.1	10371.0	9708.7	9359.5	9395.5
60°	9575.5	9550.3	10003.8	10882.2	12131.3	12692.9	10903.8	9467.5	8697.1	8340.7	8358.7
62.5°	6260.0	6274.4	6666.8	7584.8	8556.7	9085.9	7617.2	6548.0	5928.9	5712.9	5658.9
65°	2613.5	2566.7	2807.8	3319.0	3902.2	4197.4	3607.0	3052.6	2671.0	2527.1	2566.7
67.5°	673.2	655.2	669.6	838.8	1025.9	1213.1	1018.7	777.6	676.8	684.0	684.0
70°	381.6	360.0	291.6	270.0	262.8	262.8	262.8	262.8	302.4	356.4	367.2
72.5°	288.0	270.0	212.4	183.6	162.0	151.2	158.4	183.6	219.6	266.4	273.6
75°	144.0	144.0	129.6	122.4	108.0	100.8	104.4	115.2	133.2	151.2	147.6
77.5°	28.8	32.4	36.0	43.2	36.0	36.0	36.0	43.2	43.2	46.8	43.2
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
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)