

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: P642197

Luminaire Tested: GWS-SA6C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

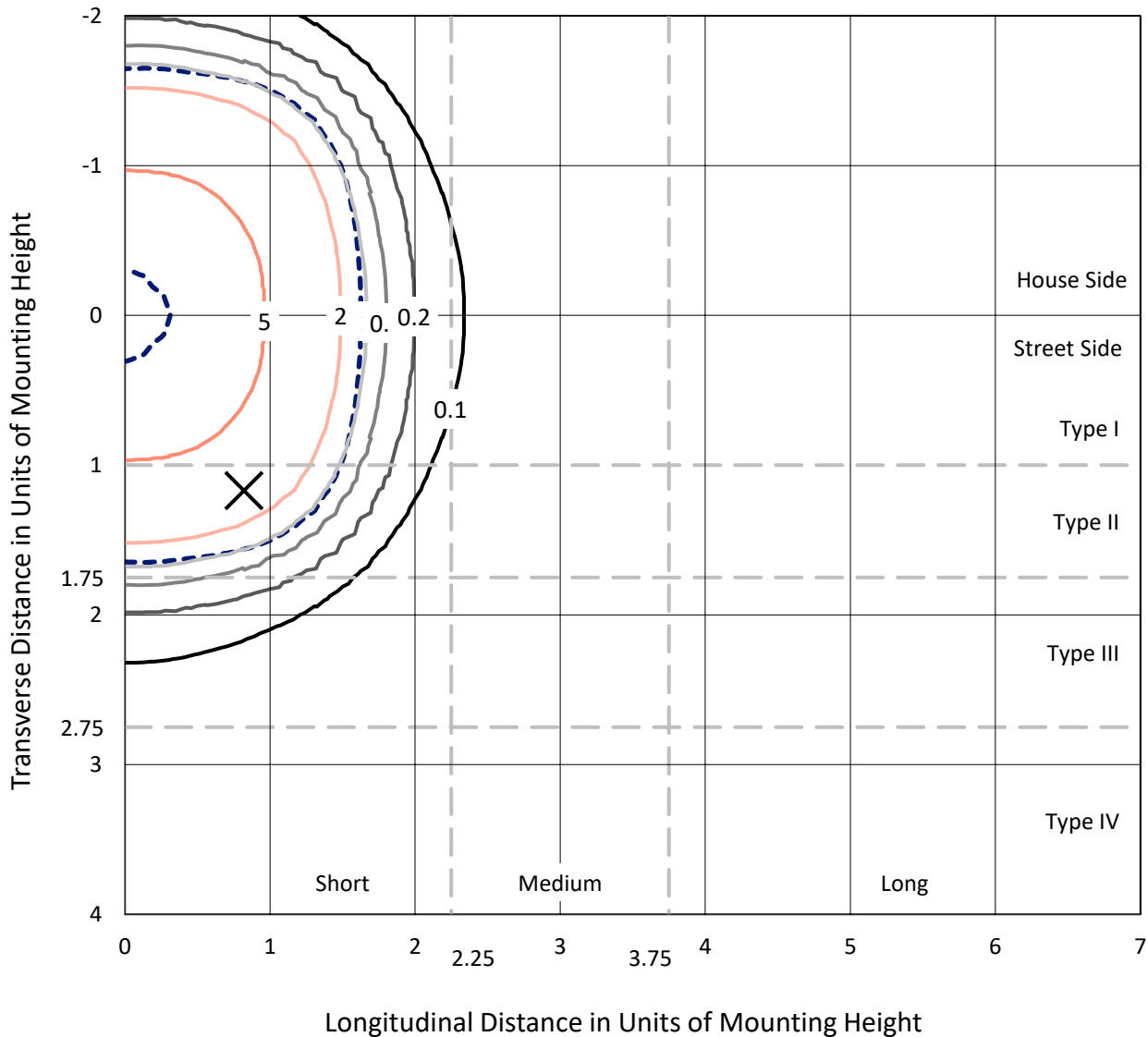
Lumens per Lamp: N/A  
Luminaire Lumens: 25741.4 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

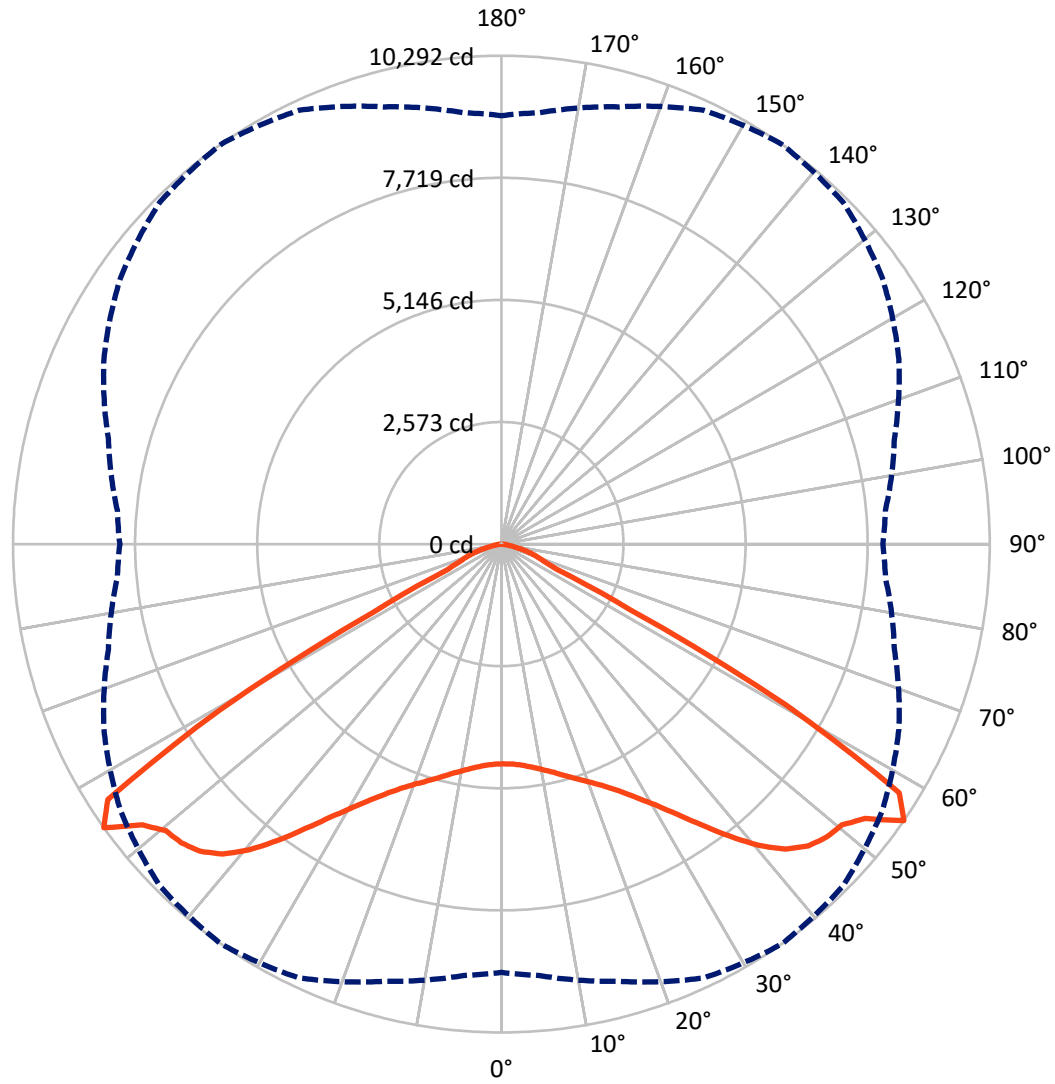
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12870.7	0.0	12870.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12870.7	0.0	12870.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25741.4	0.0	25741.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.7	1.8
10°-20°	1438.1	5.6
20°-30°	2661.6	10.3
30°-40°	4452.3	17.3
40°-50°	6784.6	26.4
50°-60°	7600.2	29.5
60°-70°	1798.3	7.0
70°-80°	484.8	1.9
80°-90°	69.8	0.3
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°	25741.4	100.0
0°-180°	25741.4	100.0

**Coefficient of Utilization**



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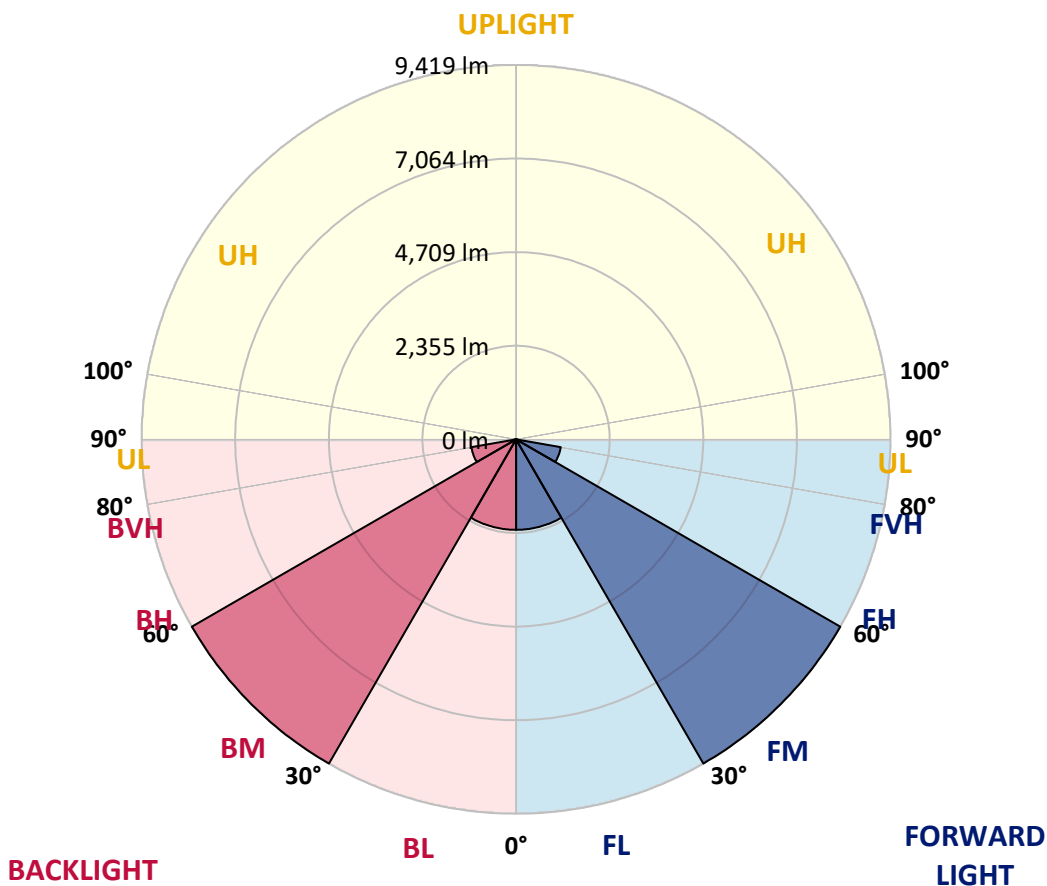
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2275.7	8.8			
FM (30°-60°)	9418.6	36.6			
FH (60°-80°)	1141.6	4.4			G1/1800
FVH (80°-90°)	34.9	0.1			G1/100
BL (0°-30°)	2275.7	8.8	B3/2500		
BM (30°-60°)	9418.6	36.6	B5		
BH (60°-80°)	1141.6	4.4	B3/2500		G1/1800
BVH (80°-90°)	34.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9	4630.9
2.5°	4620.8	4620.8	4628.9	4639.1	4641.1	4661.5	4657.4	4649.3	4645.2	4637.1	4655.4
5°	4671.7	4673.7	4679.8	4685.9	4681.8	4698.1	4692.0	4681.8	4675.7	4665.6	4683.9
7.5°	4738.8	4738.8	4744.9	4753.1	4749.0	4773.4	4761.2	4747.0	4736.8	4724.6	4740.9
10°	4799.9	4804.0	4810.1	4826.4	4834.5	4861.0	4852.8	4832.5	4816.2	4801.9	4820.3
12.5°	4891.5	4895.6	4901.7	4924.1	4938.3	4964.8	4952.6	4924.1	4899.6	4879.3	4899.6
15°	5009.6	5005.5	5021.8	5050.3	5068.6	5093.0	5078.8	5029.9	4997.4	4970.9	4991.2
17.5°	5129.7	5127.6	5143.9	5180.6	5207.0	5239.6	5215.2	5158.2	5123.6	5091.0	5111.3
20°	5259.9	5266.0	5282.3	5316.9	5355.6	5398.4	5378.0	5316.9	5278.3	5241.6	5257.9
22.5°	5420.8	5422.8	5441.1	5485.9	5536.8	5577.5	5565.3	5490.0	5441.1	5402.4	5422.8
25°	5614.1	5612.1	5636.5	5689.4	5760.7	5801.4	5774.9	5691.5	5638.6	5593.8	5610.1
27.5°	5836.0	5834.0	5870.6	5939.8	6041.6	6098.6	6043.6	5939.8	5866.5	5803.4	5817.7
30°	6114.9	6108.8	6149.5	6243.1	6375.4	6471.1	6389.7	6245.2	6149.5	6082.3	6096.6
32.5°	6424.3	6432.4	6483.3	6609.5	6776.4	6900.6	6778.5	6617.7	6489.4	6391.7	6408.0
35°	6764.2	6764.2	6868.1	7024.8	7263.0	7427.8	7238.5	7006.5	6835.5	6701.1	6705.2
37.5°	7142.9	7146.9	7283.3	7499.1	7810.5	8003.9	7747.4	7460.4	7252.8	7108.2	7100.1
40°	7604.9	7617.1	7757.6	7997.8	8347.9	8525.0	8250.2	7969.3	7757.6	7586.6	7570.3
42.5°	8126.0	8130.1	8278.7	8494.5	8789.6	8895.5	8679.7	8449.7	8276.7	8122.0	8105.7
45°	8622.7	8612.5	8740.8	8901.6	9072.6	9082.8	8962.7	8869.0	8718.4	8586.1	8561.7
47.5°	9009.5	9001.3	9117.4	9204.9	9225.3	9125.5	9164.2	9178.4	9003.4	8824.2	8777.4
50°	9245.6	9261.9	9371.8	9420.7	9300.6	9137.7	9284.3	9247.6	8997.3	8763.2	8687.9
52.5°	9388.1	9412.5	9603.9	9728.0	9603.9	9449.2	9469.5	9253.8	8893.5	8584.0	8486.3
55°	9027.8	9125.5	9538.7	10088.3	10291.9	10184.0	9797.3	9241.5	8573.9	8124.0	8040.5
57.5°	6691.0	6845.7	7458.4	8649.2	9886.8	10279.7	9149.9	7747.4	6735.7	6157.6	6108.8
60°	3415.7	3588.7	4079.3	5302.7	6894.5	7448.2	6373.4	4960.7	3942.9	3474.7	3421.8
62.5°	1394.4	1422.9	1583.7	2055.9	3047.3	3515.4	3088.0	2167.9	1628.5	1500.2	1502.3
65°	1097.2	1103.3	1095.1	1123.6	1276.3	1416.8	1308.9	1150.1	1121.6	1135.9	1125.7
67.5°	956.7	958.8	952.7	952.7	958.8	952.7	964.9	971.0	975.0	991.3	981.2
70°	800.0	802.0	802.0	806.1	804.1	793.9	812.2	820.3	822.4	832.6	826.4
72.5°	618.8	624.9	629.0	631.0	629.0	622.9	633.1	647.3	645.3	655.5	645.3
75°	419.3	427.5	431.5	439.7	437.6	437.6	449.9	456.0	449.9	458.0	449.9
77.5°	238.2	244.3	256.5	264.6	272.8	278.9	287.0	291.1	289.1	293.1	289.1
80°	138.4	140.5	150.6	154.7	164.9	175.1	183.2	187.3	189.3	191.3	189.3
82.5°	79.4	81.4	85.5	89.6	97.7	105.9	114.0	120.1	120.1	122.1	120.1
85°	38.7	38.7	40.7	42.7	46.8	52.9	59.0	65.1	67.2	67.2	67.2
87.5°	6.1	6.1	8.1	8.1	10.2	12.2	16.3	20.4	22.4	22.4	22.4
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)