

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: P642306

Luminaire Tested: GWS-SA6C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

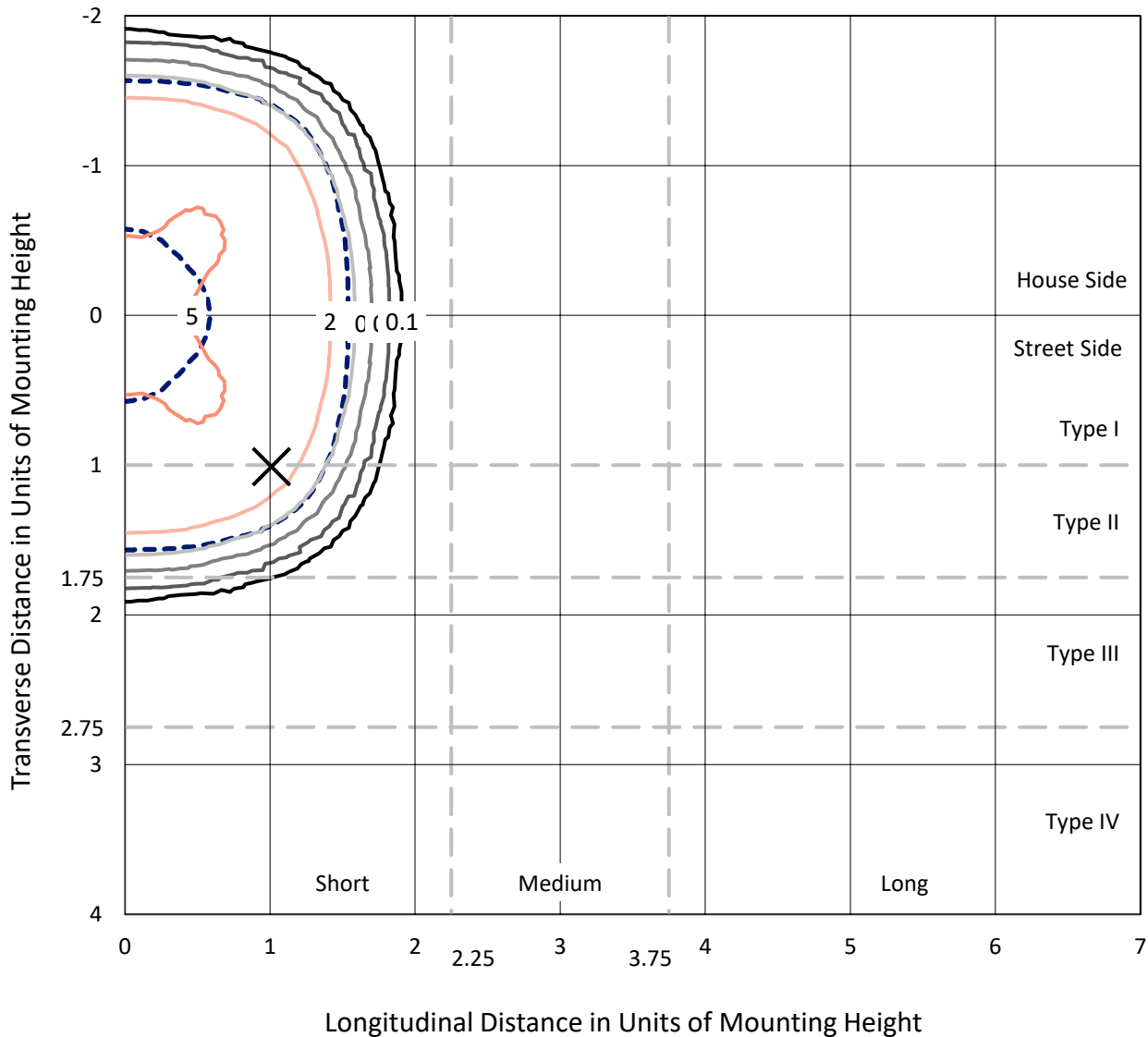
Lumens per Lamp: N/A  
Luminaire Lumens: 20158.6 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

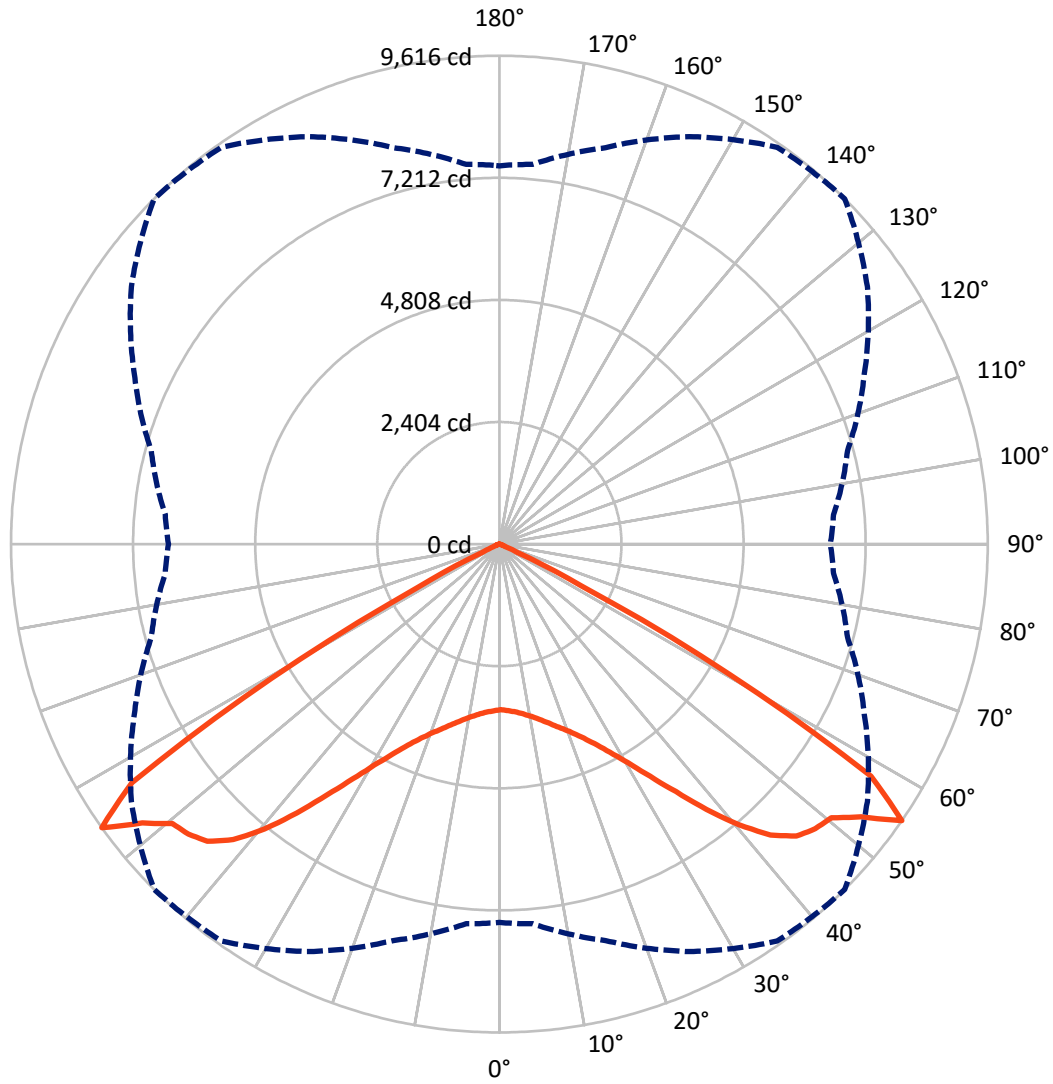
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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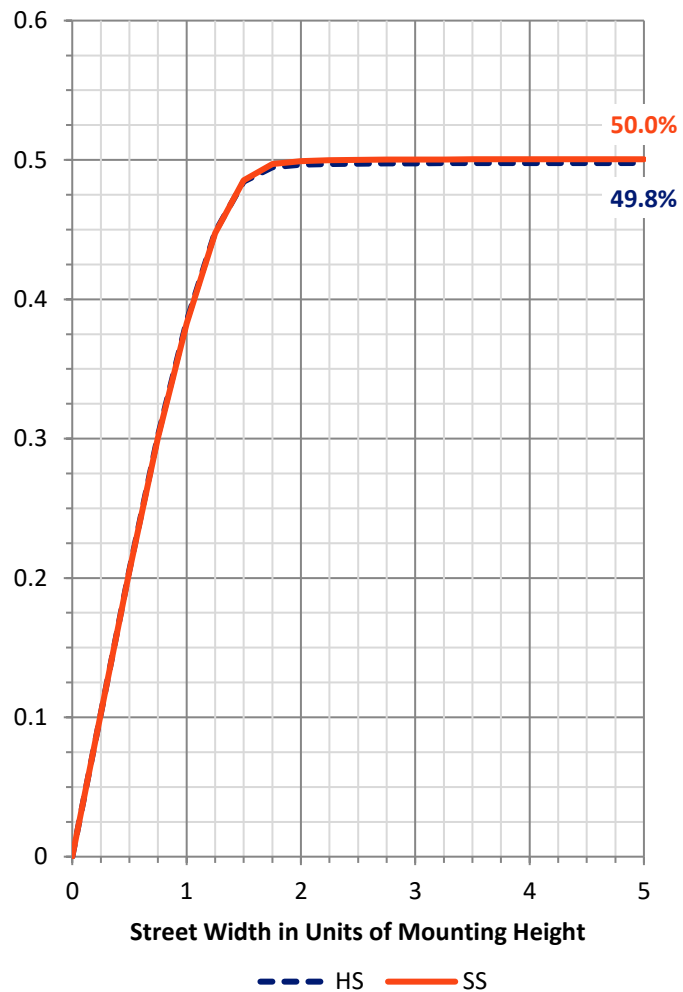
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10079.3	0.0	10079.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10079.3	0.0	10079.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20158.6	0.0	20158.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.3	1.6
10°-20°	1035.1	5.1
20°-30°	2004.7	9.9
30°-40°	3591.5	17.8
40°-50°	6021.4	29.9
50°-60°	6445.6	32.0
60°-70°	708.3	3.5
70°-80°	31.2	0.2
80°-90°	1.5	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°	20158.6	100.0
0°-180°	20158.6	100.0

**Coefficient of Utilization**



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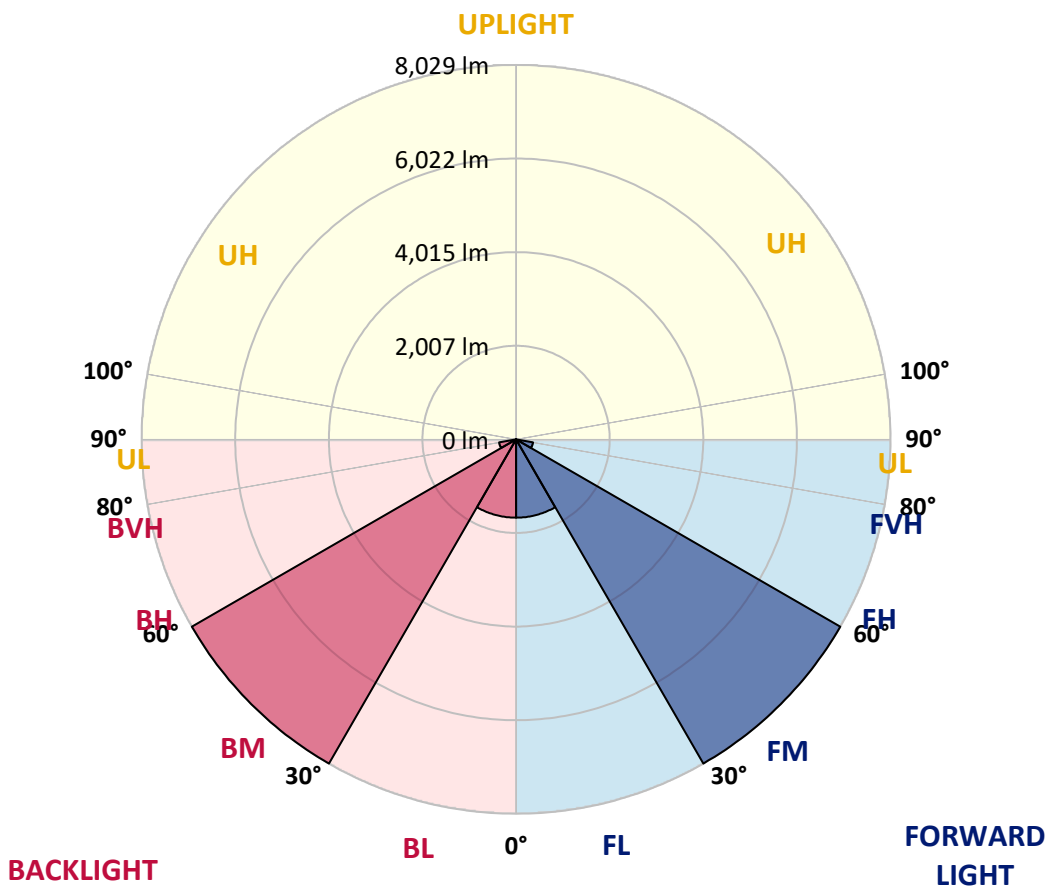
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1679.6	8.3			
FM (30°-60°)	8029.3	39.8			
FH (60°-80°)	369.7	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1679.6	8.3	B3/2500		
BM (30°-60°)	8029.3	39.8	B4/8500		
BH (60°-80°)	369.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3	3259.3
2.5°	3253.1	3253.1	3261.3	3267.5	3267.5	3283.9	3277.7	3271.6	3271.6	3263.4	3279.8
5°	3300.3	3298.3	3306.5	3310.6	3302.4	3318.8	3308.5	3302.4	3298.3	3290.1	3306.5
7.5°	3351.7	3353.7	3355.8	3364.0	3359.9	3376.3	3368.1	3355.8	3351.7	3339.4	3355.8
10°	3413.3	3413.3	3417.4	3427.7	3429.7	3450.3	3442.0	3427.7	3415.3	3403.0	3419.4
12.5°	3491.3	3493.4	3499.5	3513.9	3522.1	3544.7	3532.4	3503.7	3485.2	3470.8	3489.3
15°	3604.3	3602.2	3610.4	3631.0	3641.2	3657.7	3639.2	3600.2	3577.6	3561.2	3573.5
17.5°	3727.5	3727.5	3731.6	3752.2	3766.5	3791.2	3768.6	3721.3	3700.8	3678.2	3690.5
20°	3863.1	3869.2	3873.3	3887.7	3912.3	3937.0	3918.5	3871.3	3848.7	3819.9	3834.3
22.5°	4041.7	4035.6	4037.6	4062.3	4097.2	4121.8	4107.4	4052.0	4013.0	3990.4	3998.6
25°	4240.9	4238.9	4245.0	4282.0	4321.0	4347.7	4327.2	4255.3	4216.3	4177.3	4193.7
27.5°	4485.3	4487.4	4491.5	4536.7	4598.3	4637.3	4586.0	4514.1	4460.7	4409.3	4421.7
30°	4774.9	4770.8	4783.1	4844.7	4935.1	4996.7	4937.1	4836.5	4760.5	4711.2	4717.4
32.5°	5083.0	5087.1	5119.9	5218.5	5337.6	5446.5	5325.3	5191.8	5093.2	5000.8	5013.1
35°	5415.7	5425.9	5499.9	5645.7	5840.8	5986.6	5818.2	5598.4	5458.8	5339.7	5343.8
37.5°	5807.9	5832.6	5935.3	6153.0	6432.3	6627.4	6380.9	6089.3	5908.6	5760.7	5750.4
40°	6323.4	6352.2	6491.8	6750.6	7089.4	7268.1	6982.7	6682.8	6459.0	6298.8	6274.1
42.5°	6914.9	6951.8	7103.8	7368.8	7707.6	7828.8	7549.5	7296.9	7095.6	6906.7	6898.5
45°	7582.3	7602.9	7726.1	7929.4	8173.8	8202.6	7993.1	7853.4	7650.1	7473.5	7459.1
47.5°	8208.7	8229.3	8313.5	8418.2	8475.7	8373.0	8336.1	8274.4	8011.6	7793.9	7748.7
50°	8685.2	8701.6	8806.4	8847.4	8687.2	8469.6	8541.4	8410.0	8124.5	7880.1	7810.3
52.5°	8652.3	8693.4	8962.4	9196.6	9095.9	8919.3	8726.3	8442.9	7999.2	7664.5	7578.2
55°	7448.9	7504.3	8081.4	8851.5	9539.5	9615.5	8843.3	7929.4	7095.6	6604.8	6516.5
57.5°	4787.2	4801.6	5506.0	6586.3	8136.8	8625.6	7333.8	5978.4	4941.3	4401.1	4364.2
60°	1760.0	1731.3	2263.2	3158.6	4686.6	5204.1	4316.9	3023.1	2156.4	1774.4	1743.6
62.5°	423.1	427.2	529.9	794.8	1470.5	1819.6	1437.6	803.0	511.4	429.2	425.1
65°	213.6	209.5	211.5	228.0	314.2	375.8	308.1	217.7	209.5	211.5	209.5
67.5°	137.6	135.5	139.7	141.7	139.7	131.4	129.4	133.5	133.5	135.5	131.4
70°	84.2	82.1	86.3	92.4	88.3	78.0	82.1	86.3	82.1	80.1	80.1
72.5°	45.2	45.2	49.3	53.4	49.3	45.2	45.2	47.2	45.2	45.2	45.2
75°	20.5	20.5	22.6	24.6	20.5	20.5	20.5	20.5	20.5	20.5	20.5
77.5°	6.2	6.2	8.2	8.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
80°	2.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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)