

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: P643296

Luminaire Tested: GWS-SA6E-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643296  
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-SAGE-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**

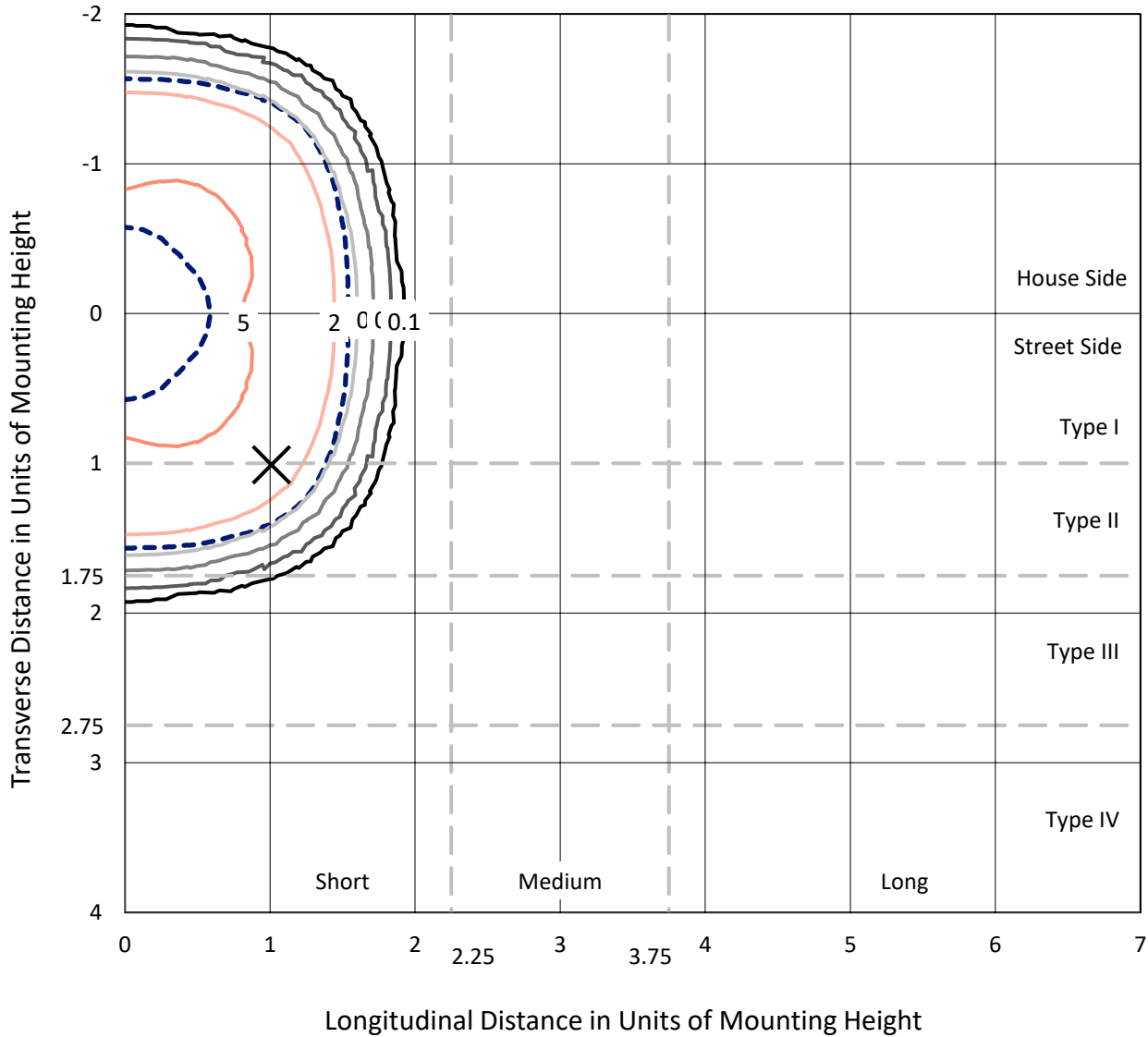
Lumens per Lamp: N/A  
Luminaire Lumens: 31780.2 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

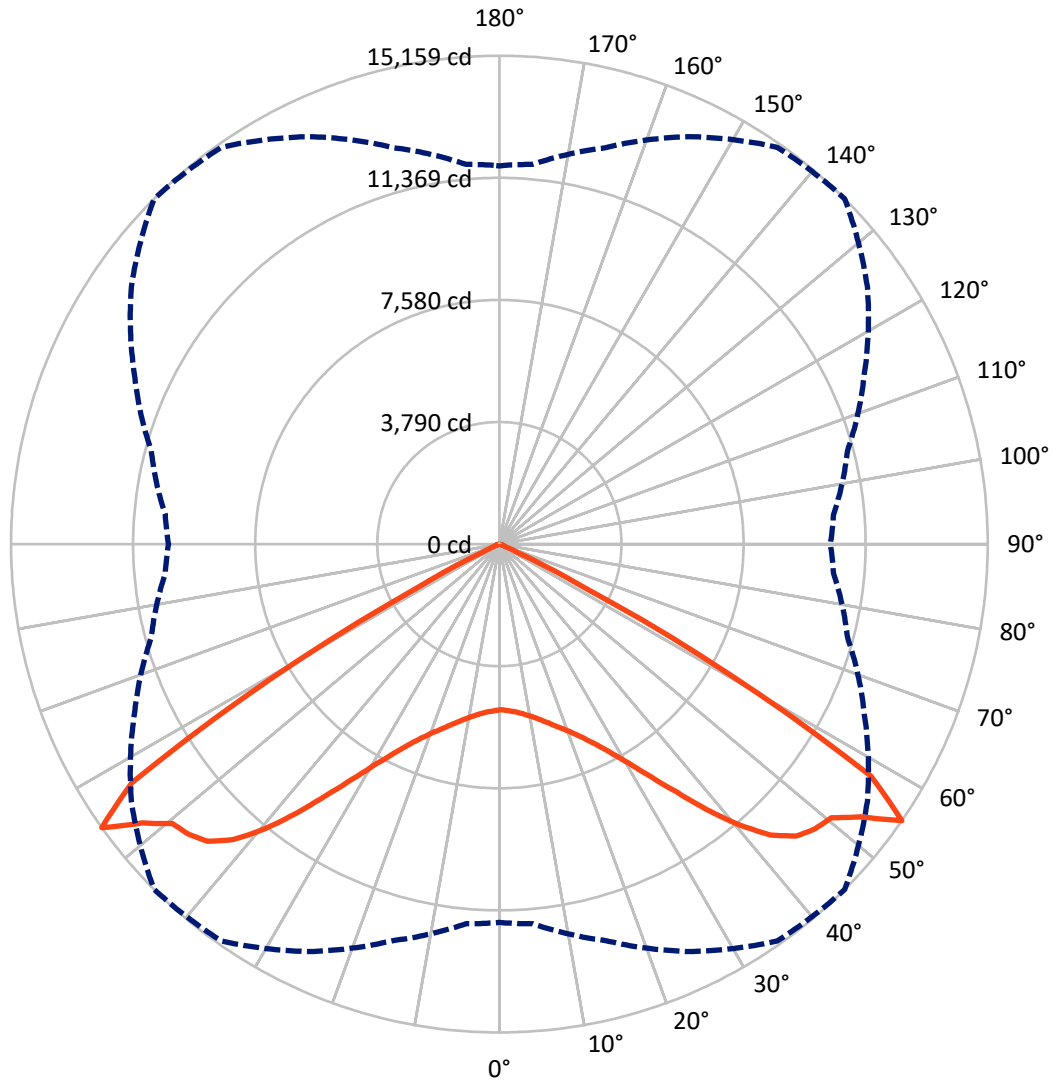
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.8 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	15890.1	0.0	15890.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15890.1	0.0	15890.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31780.2	0.0	31780.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	503.4	1.6
10°-20°	1631.9	5.1
20°-30°	3160.4	9.9
30°-40°	5662.0	17.8
40°-50°	9492.8	29.9
50°-60°	10161.6	32.0
60°-70°	1116.6	3.5
70°-80°	49.2	0.2
80°-90°	2.3	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°	31780.2	100.0
0°-180°	31780.2	100.0

**Coefficient of Utilization**



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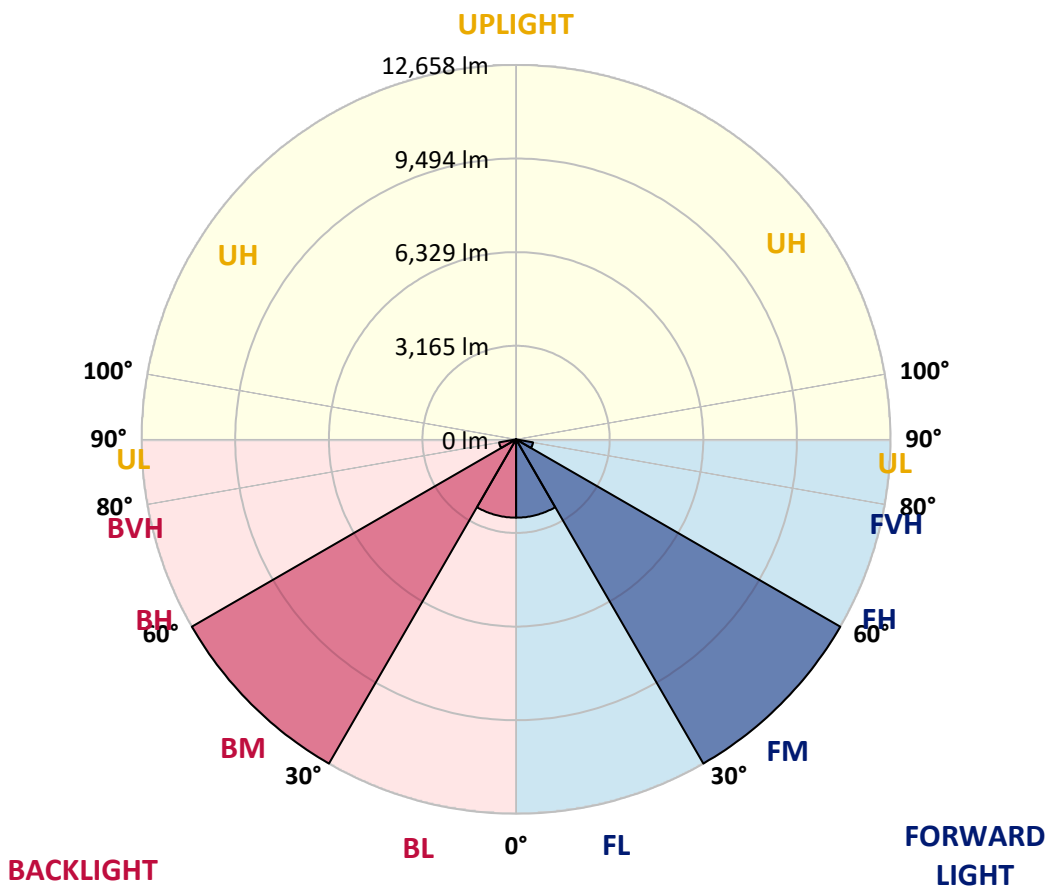
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2647.9	8.3			
FM (30°-60°)	12658.2	39.8			
FH (60°-80°)	582.9	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2647.9	8.3	B4/5000		
BM (30°-60°)	12658.2	39.8	B5		
BH (60°-80°)	582.9	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2	5138.2
2.5°	5128.5	5128.5	5141.5	5151.2	5151.2	5177.1	5167.4	5157.7	5157.7	5144.7	5170.6
5°	5203.0	5199.8	5212.7	5219.2	5206.2	5232.1	5216.0	5206.2	5199.8	5186.8	5212.7
7.5°	5283.9	5287.2	5290.4	5303.4	5296.9	5322.8	5309.8	5290.4	5283.9	5264.5	5290.4
10°	5381.1	5381.1	5387.5	5403.7	5407.0	5439.4	5426.4	5403.7	5384.3	5364.9	5390.8
12.5°	5504.1	5507.3	5517.1	5539.7	5552.7	5588.3	5568.9	5523.5	5494.4	5471.7	5500.9
15°	5682.2	5678.9	5691.9	5724.3	5740.5	5766.4	5737.2	5675.7	5640.1	5614.2	5633.6
17.5°	5876.4	5876.4	5882.9	5915.3	5938.0	5976.8	5941.2	5866.7	5834.4	5798.7	5818.2
20°	6090.1	6099.8	6106.3	6129.0	6167.8	6206.7	6177.6	6103.1	6067.5	6022.1	6044.8
22.5°	6371.8	6362.1	6365.3	6404.2	6459.2	6498.1	6475.4	6388.0	6326.5	6290.9	6303.8
25°	6685.9	6682.6	6692.3	6750.6	6812.1	6854.2	6821.9	6708.5	6647.0	6585.5	6611.4
27.5°	7071.2	7074.4	7080.9	7152.1	7249.2	7310.7	7229.8	7116.5	7032.3	6951.4	6970.8
30°	7527.7	7521.2	7540.6	7637.8	7780.2	7877.3	7783.5	7624.8	7505.0	7427.3	7437.0
32.5°	8013.3	8019.8	8071.6	8227.0	8414.8	8586.4	8395.4	8184.9	8029.5	7883.8	7903.3
35°	8537.8	8554.0	8670.6	8900.5	9208.0	9437.9	9172.4	8826.0	8605.8	8418.0	8424.5
37.5°	9156.2	9195.1	9357.0	9700.2	10140.5	10448.1	10059.6	9599.8	9314.9	9081.8	9065.6
40°	9968.9	10014.2	10234.4	10642.4	11176.6	11458.3	11008.2	10535.5	10182.6	9930.1	9891.2
42.5°	10901.4	10959.6	11199.2	11616.9	12151.1	12342.2	11901.8	11503.6	11186.3	10888.4	10875.5
45°	11953.6	11986.0	12180.3	12500.8	12886.1	12931.4	12601.2	12381.0	12060.5	11782.0	11759.4
47.5°	12941.1	12973.5	13106.3	13271.4	13362.0	13200.1	13141.9	13044.7	12630.3	12287.1	12215.9
50°	13692.3	13718.2	13883.3	13948.1	13695.5	13352.3	13465.6	13258.4	12808.4	12423.1	12313.0
52.5°	13640.5	13705.2	14129.4	14498.5	14339.8	14061.4	13757.0	13310.2	12610.9	12083.1	11947.2
55°	11743.2	11830.6	12740.4	13954.5	15039.2	15159.0	13941.6	12500.8	11186.3	10412.5	10273.3
57.5°	7547.1	7569.8	8680.3	10383.3	12827.8	13598.4	11561.9	9425.0	7789.9	6938.4	6880.1
60°	2774.7	2729.4	3568.0	4979.6	7388.5	8204.4	6805.7	4765.9	3399.6	2797.4	2748.8
62.5°	667.0	673.4	835.3	1253.0	2318.2	2868.6	2266.4	1265.9	806.2	676.7	670.2
65°	336.7	330.2	333.5	359.4	495.4	592.5	485.7	343.2	330.2	333.5	330.2
67.5°	216.9	213.7	220.2	223.4	220.2	207.2	204.0	210.5	210.5	213.7	207.2
70°	132.7	129.5	136.0	145.7	139.2	123.0	129.5	136.0	129.5	126.3	126.3
72.5°	71.2	71.2	77.7	84.2	77.7	71.2	71.2	74.5	71.2	71.2	71.2
75°	32.4	32.4	35.6	38.9	32.4	32.4	32.4	32.4	32.4	32.4	32.4
77.5°	9.7	9.7	13.0	13.0	9.7	9.7	9.7	9.7	13.0	13.0	13.0
80°	3.2	6.5	6.5	3.2	3.2	3.2	3.2	3.2	6.5	6.5	6.5
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
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)