

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: P643293

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-760-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

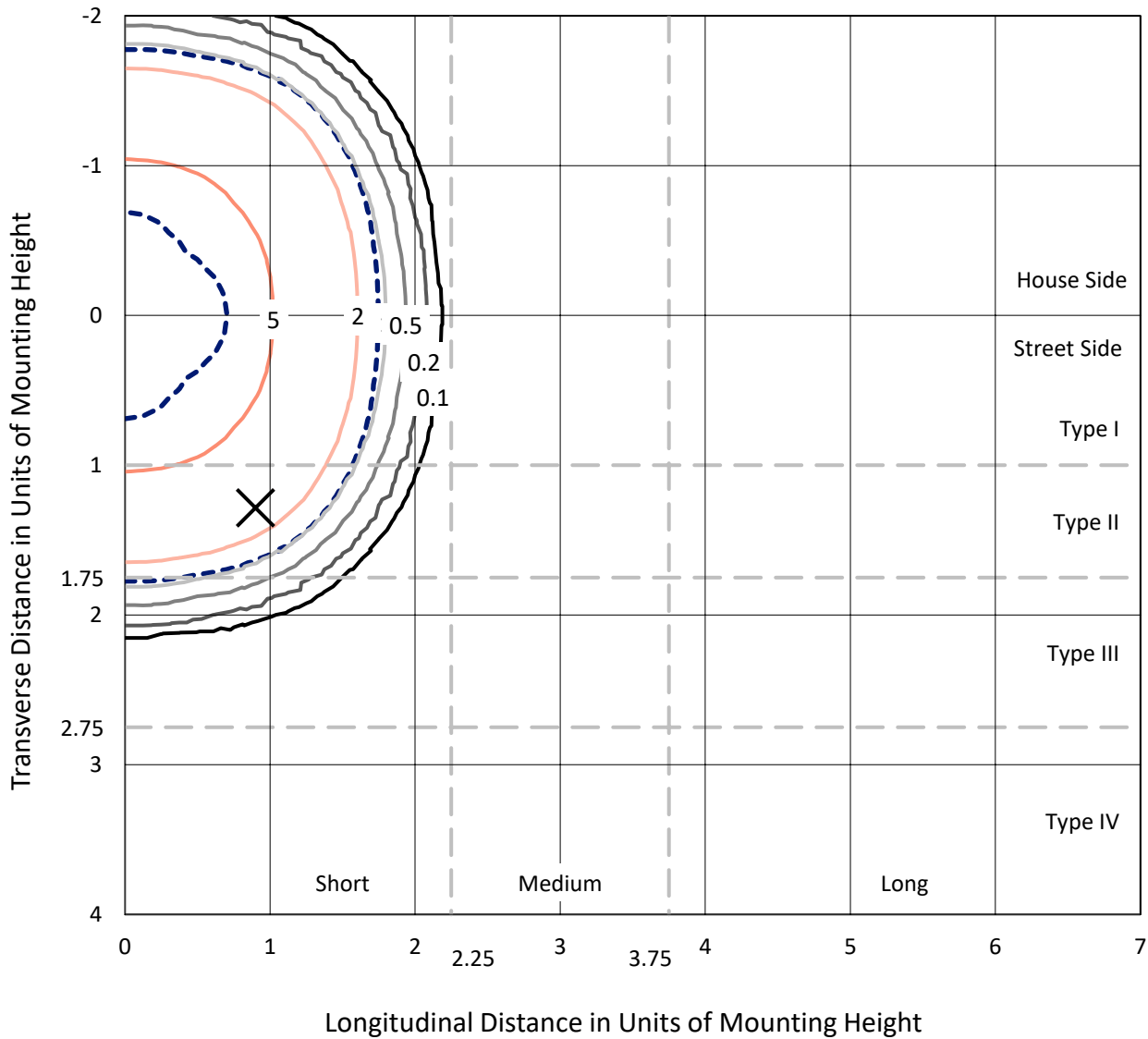
Lumens per Lamp: N/A  
Luminaire Lumens: 27594 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

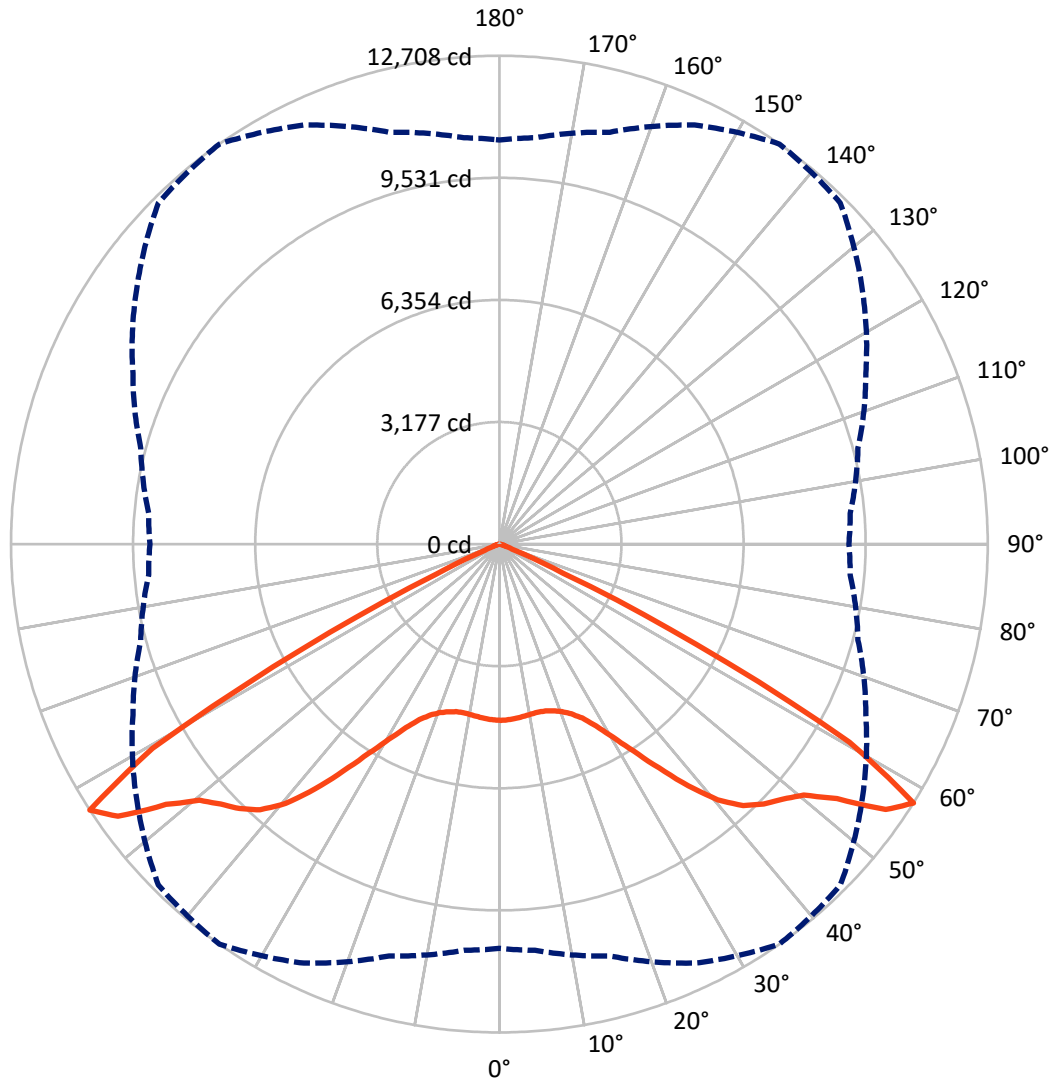
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13797.0	0.0	13797.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13797.0	0.0	13797.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27594.0	0.0	27594.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.2	1.6
10°-20°	1271.5	4.6
20°-30°	2298.2	8.3
30°-40°	4287.6	15.5
40°-50°	7192.4	26.1
50°-60°	9498.3	34.4
60°-70°	2522.5	9.1
70°-80°	89.6	0.3
80°-90°	1.6	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°	27594.0	100.0
0°-180°	27594.0	100.0

**Coefficient of Utilization**



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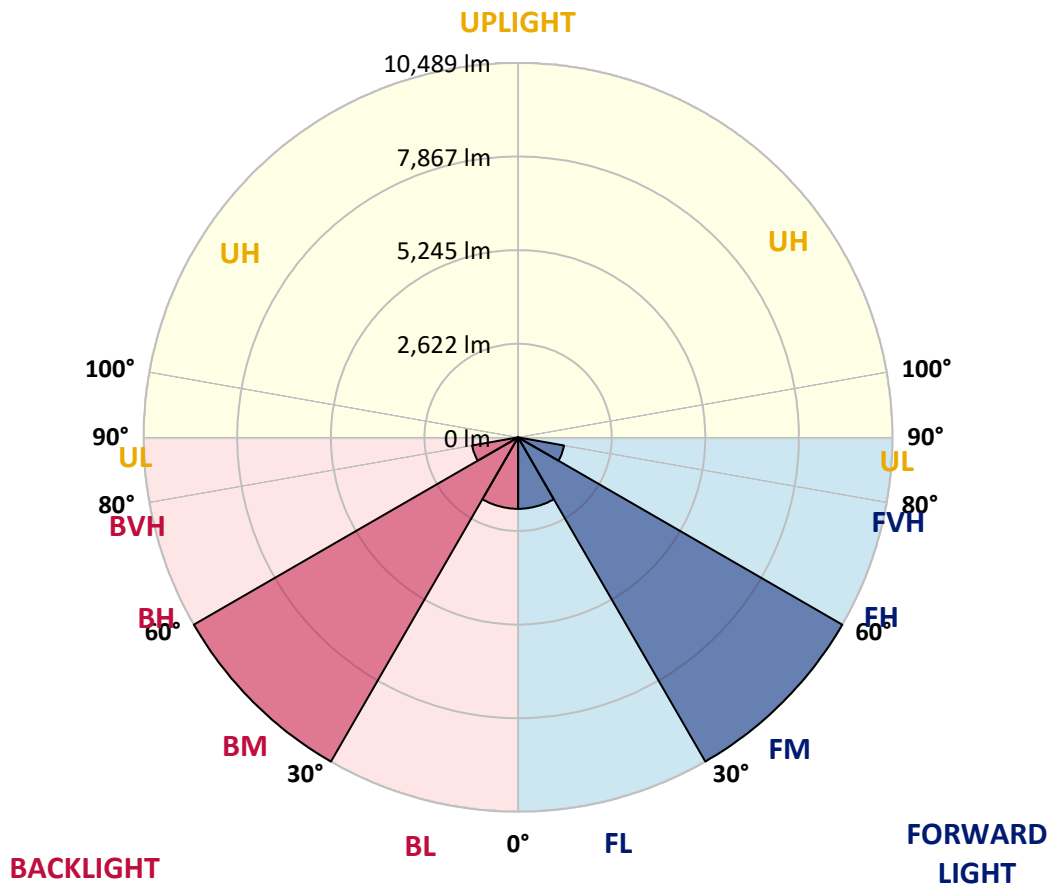
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2001.0	7.3			
FM (30°-60°)	10489.2	38.0			
FH (60°-80°)	1306.1	4.7			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	2001.0	7.3	B3/2500		
BM (30°-60°)	10489.2	38.0	B5		
BH (60°-80°)	1306.1	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.8	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8	4587.8
2.5°	4555.4	4552.1	4565.1	4574.8	4574.8	4597.5	4591.0	4584.5	4578.0	4568.3	4591.0
5°	4548.9	4545.7	4555.4	4561.8	4555.4	4574.8	4561.8	4548.9	4542.4	4529.5	4555.4
7.5°	4519.8	4523.0	4529.5	4535.9	4526.2	4542.4	4526.2	4506.8	4490.6	4477.7	4500.3
10°	4474.4	4477.7	4484.1	4497.1	4500.3	4523.0	4500.3	4464.7	4442.1	4422.6	4445.3
12.5°	4451.8	4455.0	4464.7	4480.9	4484.1	4513.3	4484.1	4432.3	4400.0	4377.3	4400.0
15°	4458.2	4464.7	4477.7	4497.1	4503.6	4532.7	4493.9	4425.9	4380.5	4351.4	4370.8
17.5°	4480.9	4487.4	4506.8	4539.2	4561.8	4591.0	4542.4	4455.0	4393.5	4351.4	4370.8
20°	4510.0	4519.8	4552.1	4603.9	4652.5	4704.3	4642.8	4523.0	4442.1	4390.3	4406.4
22.5°	4591.0	4600.7	4646.0	4714.0	4795.0	4859.7	4785.2	4633.1	4523.0	4455.0	4471.2
25°	4756.1	4765.8	4824.1	4911.5	5015.1	5099.3	5005.4	4814.4	4671.9	4594.2	4600.7
27.5°	5015.1	5024.8	5092.8	5215.9	5355.1	5474.9	5338.9	5115.5	4953.6	4863.0	4863.0
30°	5342.1	5355.1	5445.7	5610.8	5827.8	5986.4	5801.9	5529.9	5322.7	5199.7	5202.9
32.5°	5763.0	5750.1	5879.6	6106.2	6413.8	6624.2	6352.3	6022.0	5766.3	5594.7	5610.8
35°	6303.7	6300.5	6446.2	6753.7	7155.2	7407.7	7084.0	6656.6	6349.0	6174.2	6177.4
37.5°	6999.8	6996.6	7164.9	7498.4	7980.8	8191.3	7828.6	7394.8	7064.6	6896.2	6915.6
40°	7815.7	7796.3	7945.2	8265.7	8748.1	8884.1	8489.1	8139.5	7822.2	7715.3	7767.1
42.5°	8592.7	8550.6	8638.1	8929.4	9301.8	9321.2	9023.3	8783.7	8566.8	8482.6	8515.0
45°	9217.6	9185.2	9266.2	9434.5	9648.2	9551.1	9408.6	9334.1	9159.3	9068.7	9097.8
47.5°	9683.8	9683.8	9780.9	9884.5	9916.9	9738.9	9761.5	9761.5	9586.7	9444.2	9408.6
50°	10085.3	10114.4	10260.1	10367.0	10260.1	10033.5	10163.0	10137.1	9780.9	9496.0	9421.6
52.5°	10726.3	10755.5	10978.9	11124.6	11004.8	10781.4	10797.6	10473.8	9949.3	9612.6	9496.0
55°	11406.2	11477.5	11801.2	12189.8	12193.0	11963.1	11535.7	10962.7	10324.9	9959.0	9839.2
57.5°	10515.9	10613.0	11095.4	12031.1	12707.8	12549.1	11529.3	10522.4	9661.1	9162.6	9094.6
60°	7236.1	7404.5	7886.9	9165.8	10470.6	10532.1	9327.7	8197.7	7210.2	6595.1	6608.0
62.5°	3056.3	3227.9	3499.9	4552.1	5750.1	5824.5	5241.8	4432.3	3626.2	3182.6	3250.6
65°	718.8	767.3	848.3	1259.4	1826.0	1910.2	1761.3	1372.8	1013.4	858.0	874.2
67.5°	314.1	320.5	304.3	323.8	401.5	411.2	398.2	349.7	330.2	336.7	336.7
70°	220.2	223.4	210.4	200.7	191.0	178.1	184.5	204.0	220.2	233.1	229.9
72.5°	136.0	139.2	142.5	142.5	132.7	119.8	126.3	139.2	142.5	145.7	142.5
75°	68.0	71.2	77.7	80.9	77.7	74.5	74.5	77.7	77.7	74.5	74.5
77.5°	13.0	16.2	22.7	25.9	25.9	25.9	25.9	25.9	29.1	25.9	25.9
80°	3.2	3.2	6.5	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5
82.5°	3.2	3.2	3.2	3.2	0.0	0.0	3.2	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)