

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: P643183

Luminaire Tested: GWS-SA6E-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643183  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

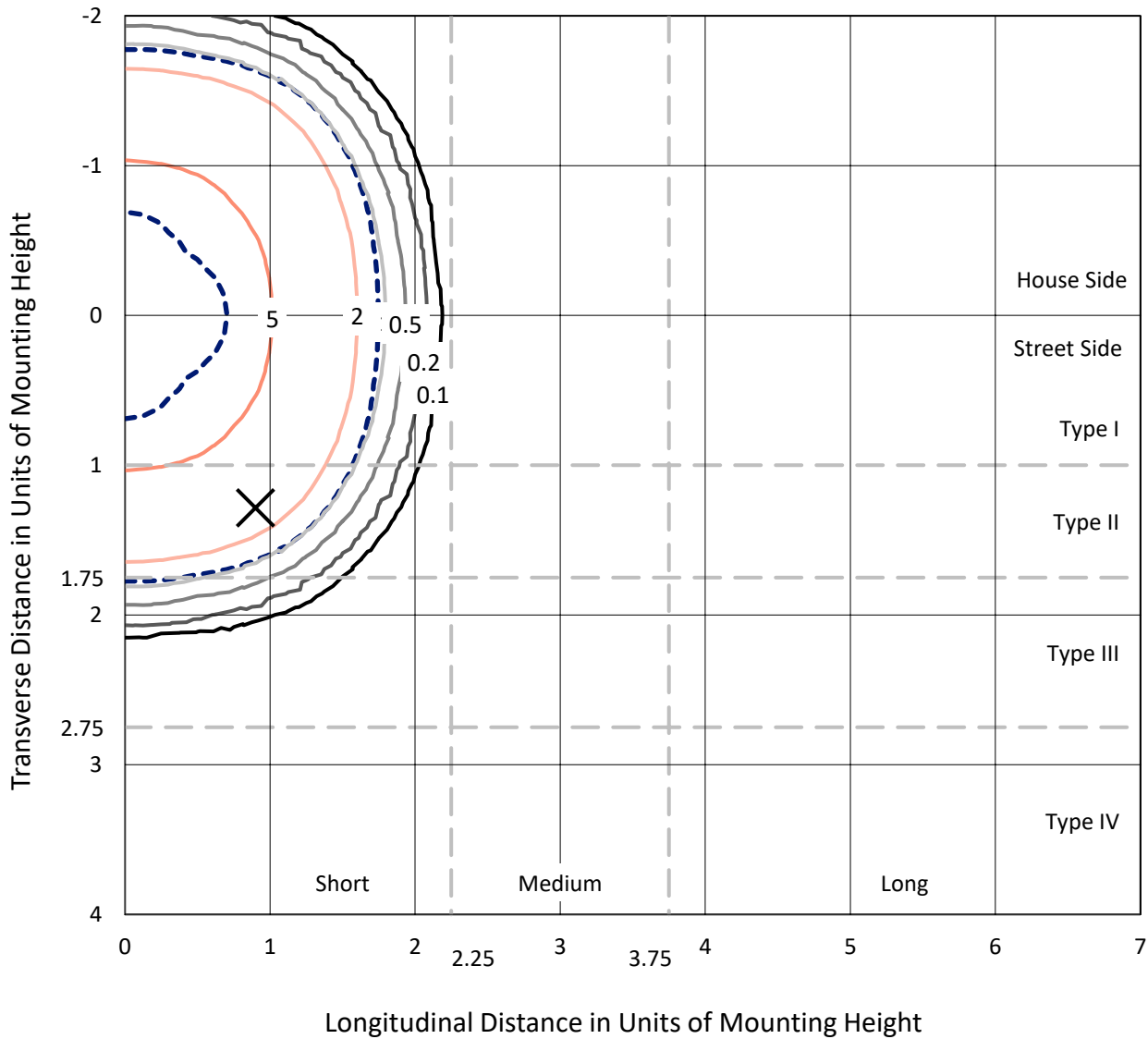
Lumens per Lamp: N/A  
Luminaire Lumens: 27350.7 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

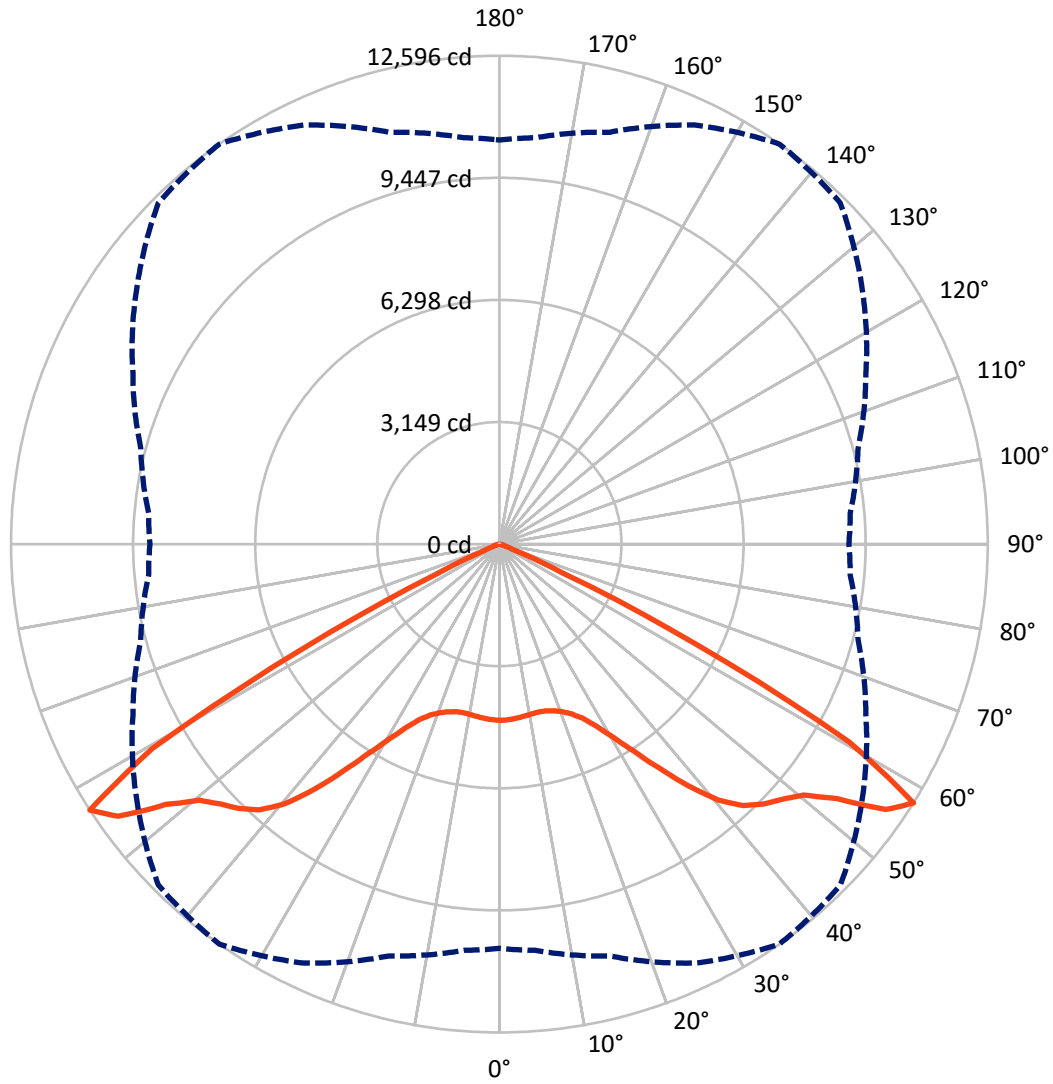
✕ Max cd  
 - - - 1/2 Max cd



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	13675.3	0.0	13675.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13675.3	0.0	13675.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27350.7	0.0	27350.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.4	1.6
10°-20°	1260.3	4.6
20°-30°	2278.0	8.3
30°-40°	4249.8	15.5
40°-50°	7129.0	26.1
50°-60°	9414.6	34.4
60°-70°	2500.3	9.1
70°-80°	88.8	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°	27350.7	100.0
0°-180°	27350.7	100.0

**Coefficient of Utilization**



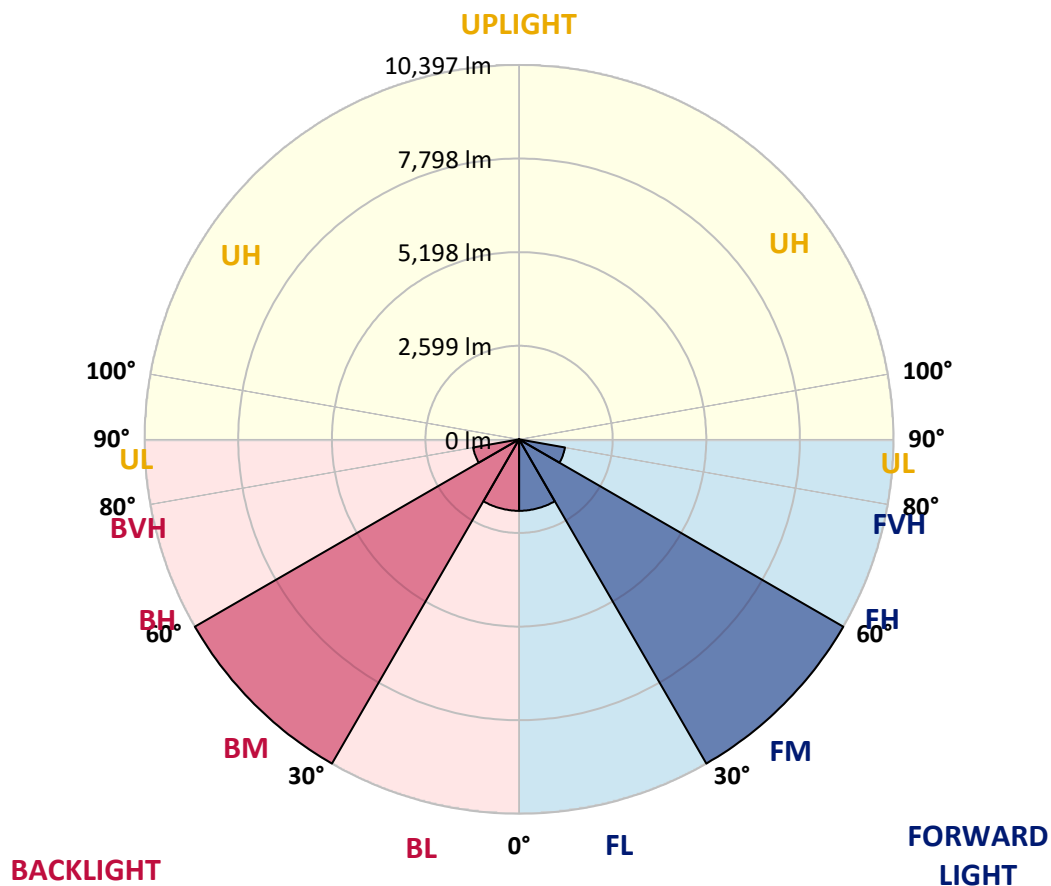
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.3	7.3			
FM (30°-60°)	10396.7	38.0			
FH (60°-80°)	1294.5	4.7			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1983.3	7.3	B3/2500		
BM (30°-60°)	10396.7	38.0	B5		
BH (60°-80°)	1294.5	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°	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3
2.5°	4515.2	4512.0	4524.8	4534.5	4534.5	4556.9	4550.5	4544.1	4537.7	4528.0	4550.5
5°	4508.8	4505.6	4515.2	4521.6	4515.2	4534.5	4521.6	4508.8	4502.4	4489.5	4515.2
7.5°	4479.9	4483.1	4489.5	4496.0	4486.3	4502.4	4486.3	4467.1	4451.0	4438.2	4460.7
10°	4435.0	4438.2	4444.6	4457.4	4460.7	4483.1	4460.7	4425.4	4402.9	4383.6	4406.1
12.5°	4412.5	4415.7	4425.4	4441.4	4444.6	4473.5	4444.6	4393.3	4361.2	4338.7	4361.2
15°	4418.9	4425.4	4438.2	4457.4	4463.9	4492.7	4454.2	4386.8	4341.9	4313.0	4332.3
17.5°	4441.4	4447.8	4467.1	4499.2	4521.6	4550.5	4502.4	4415.7	4354.8	4313.0	4332.3
20°	4470.3	4479.9	4512.0	4563.3	4611.5	4662.8	4601.9	4483.1	4402.9	4351.5	4367.6
22.5°	4550.5	4560.1	4605.1	4672.5	4752.7	4816.9	4743.1	4592.2	4483.1	4415.7	4431.8
25°	4714.2	4723.8	4781.6	4868.2	4970.9	5054.3	4961.3	4771.9	4630.7	4553.7	4560.1
27.5°	4970.9	4980.5	5047.9	5169.9	5307.9	5426.6	5291.8	5070.4	4909.9	4820.1	4820.1
30°	5295.0	5307.9	5397.7	5561.4	5776.4	5933.6	5750.7	5481.1	5275.8	5153.8	5157.0
32.5°	5712.2	5699.4	5827.7	6052.4	6357.2	6565.8	6296.3	5968.9	5715.4	5545.3	5561.4
35°	6248.1	6244.9	6389.3	6694.2	7092.1	7342.4	7021.5	6597.9	6293.1	6119.8	6123.0
37.5°	6938.1	6934.9	7101.7	7432.3	7910.4	8119.0	7759.6	7329.6	7002.3	6835.4	6854.6
40°	7746.8	7727.5	7875.1	8192.8	8671.0	8805.8	8414.3	8067.7	7753.2	7647.3	7698.6
42.5°	8517.0	8475.2	8561.9	8850.7	9219.8	9239.0	8943.8	8706.3	8491.3	8407.9	8439.9
45°	9136.3	9104.2	9184.5	9351.3	9563.1	9466.9	9325.7	9251.8	9078.6	8988.7	9017.6
47.5°	9598.4	9598.4	9694.7	9797.4	9829.5	9653.0	9675.4	9675.4	9502.2	9361.0	9325.7
50°	9996.4	10025.2	10169.6	10275.6	10169.6	9945.0	10073.4	10047.7	9694.7	9412.3	9338.5
52.5°	10631.8	10660.6	10882.1	11026.5	10907.7	10686.3	10702.4	10381.5	9861.6	9527.8	9412.3
55°	11305.7	11376.3	11697.2	12082.3	12085.5	11857.6	11434.0	10866.0	10233.8	9871.2	9752.5
57.5°	10423.2	10519.4	10997.6	11925.0	12595.7	12438.5	11427.6	10429.6	9576.0	9081.8	9014.4
60°	7172.3	7339.2	7817.4	9085.0	10378.2	10439.2	9245.4	8125.5	7146.7	6536.9	6549.8
62.5°	3029.4	3199.5	3469.0	4512.0	5699.4	5773.2	5195.5	4393.3	3594.2	3154.5	3221.9
65°	712.4	760.6	840.8	1248.3	1809.9	1893.4	1745.8	1360.7	1004.4	850.4	866.5
67.5°	311.3	317.7	301.7	320.9	397.9	407.6	394.7	346.6	327.3	333.7	333.7
70°	218.2	221.4	208.6	199.0	189.3	176.5	182.9	202.2	218.2	231.1	227.8
72.5°	134.8	138.0	141.2	141.2	131.6	118.7	125.2	138.0	141.2	144.4	141.2
75°	67.4	70.6	77.0	80.2	77.0	73.8	73.8	77.0	77.0	73.8	73.8
77.5°	12.8	16.0	22.5	25.7	25.7	25.7	25.7	25.7	28.9	25.7	25.7
80°	3.2	3.2	6.4	3.2	3.2	3.2	3.2	3.2	3.2	6.4	6.4
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)