

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: P643241

Luminaire Tested: GWS-SA6E-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643241  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

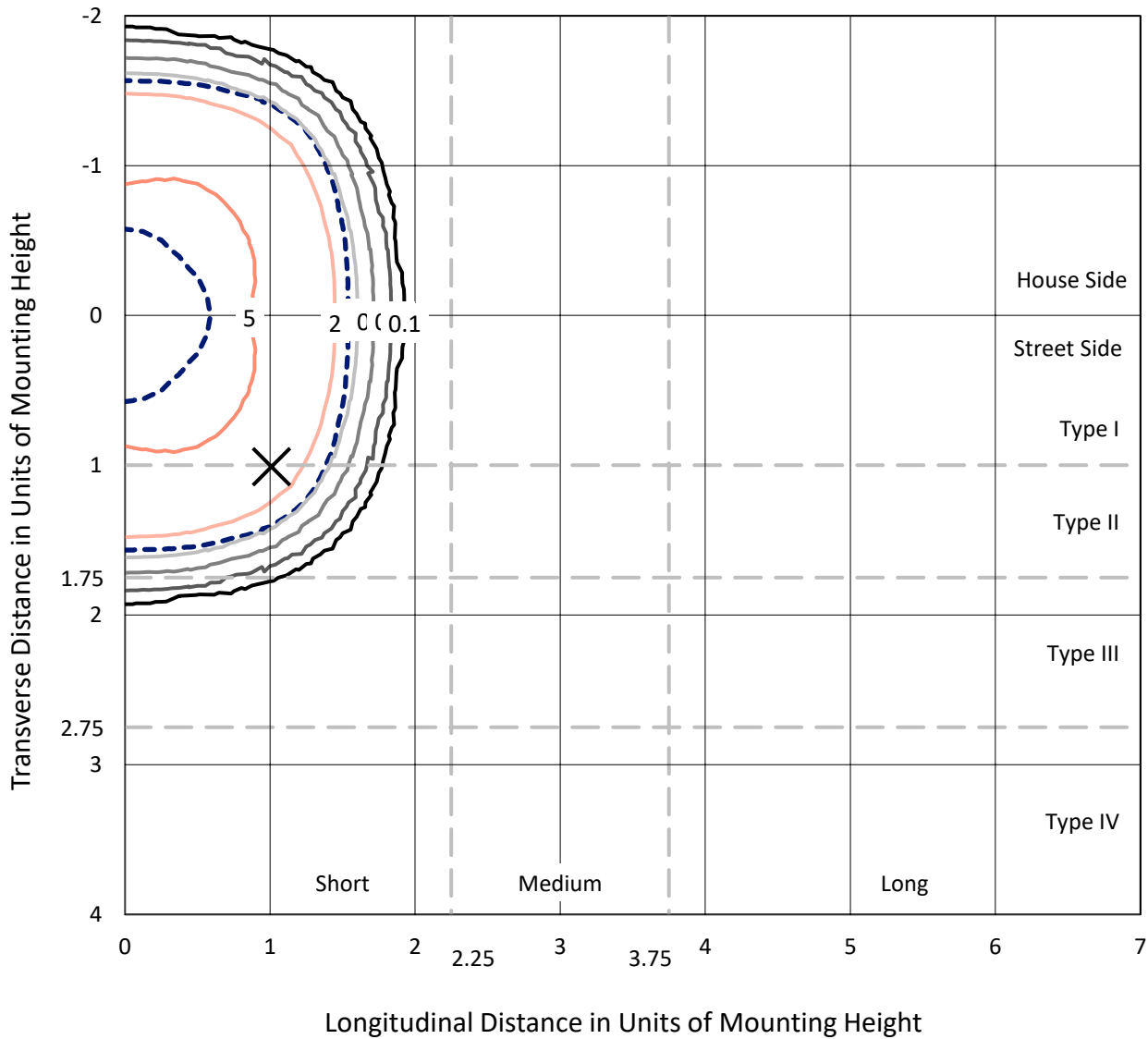
Lumens per Lamp: N/A  
Luminaire Lumens: 32221.8 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

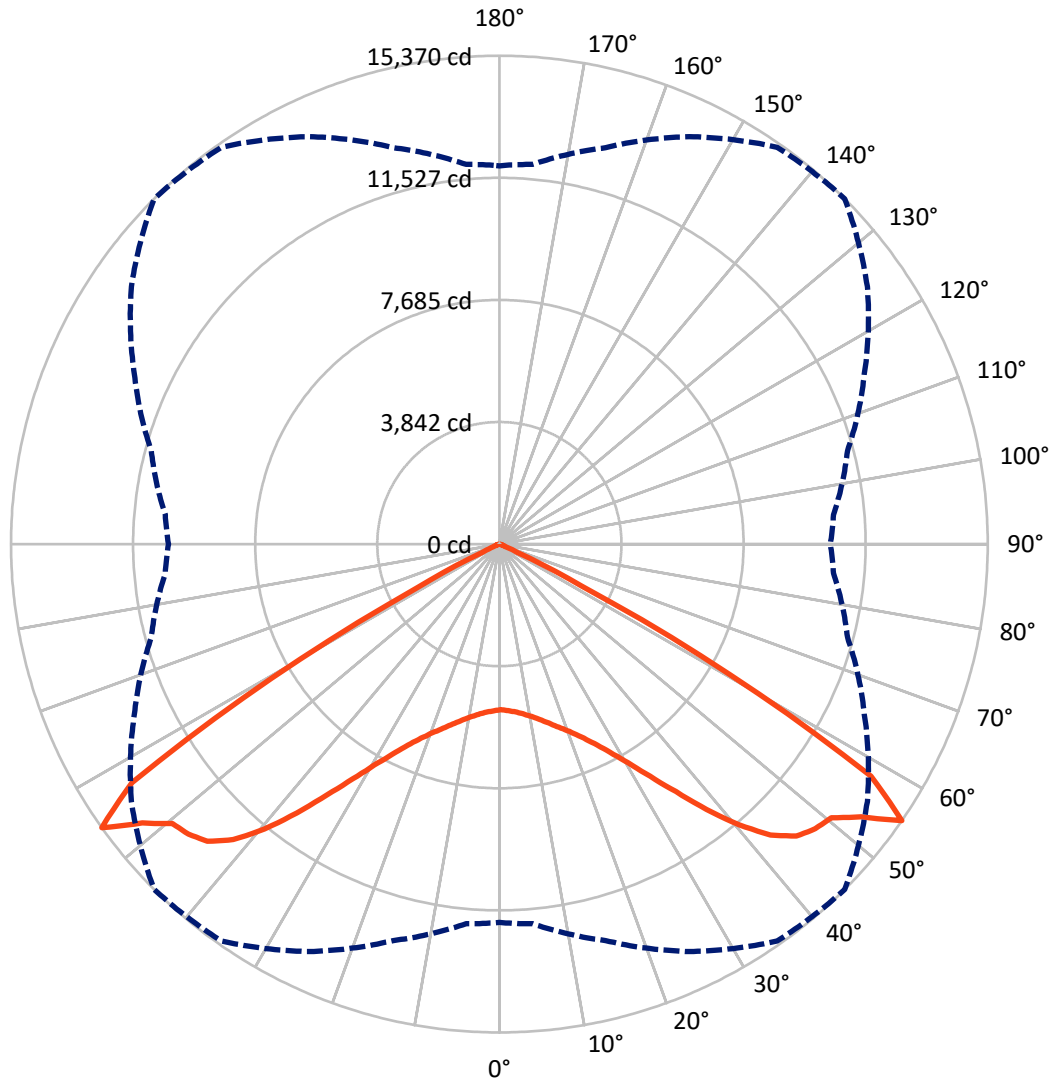
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 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	16110.9	0.0	16110.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16110.9	0.0	16110.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32221.8	0.0	32221.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	510.4	1.6
10°-20°	1654.6	5.1
20°-30°	3204.3	9.9
30°-40°	5740.7	17.8
40°-50°	9624.7	29.9
50°-60°	10302.8	32.0
60°-70°	1132.1	3.5
70°-80°	49.8	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°	32221.8	100.0
0°-180°	32221.8	100.0

**Coefficient of Utilization**



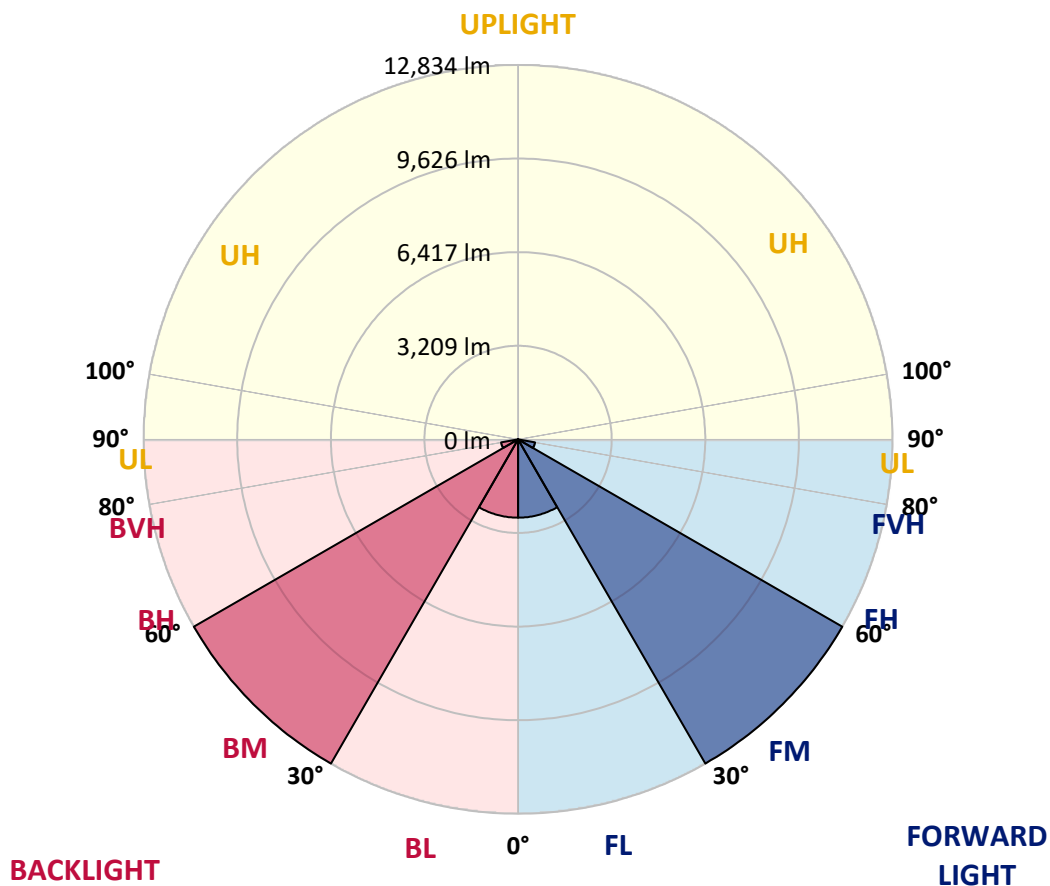
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2684.7	8.3			
FM (30°-60°)	12834.1	39.8			
FH (60°-80°)	591.0	1.8			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	2684.7	8.3	B4/5000		
BM (30°-60°)	12834.1	39.8	B5		
BH (60°-80°)	591.0	1.8	B2/1000		G0/660
BVH (80°-90°)	1.2	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°	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6	5209.6
2.5°	5199.8	5199.8	5212.9	5222.8	5222.8	5249.0	5239.2	5229.3	5229.3	5216.2	5242.5
5°	5275.3	5272.0	5285.1	5291.7	5278.6	5304.8	5288.4	5278.6	5272.0	5258.9	5285.1
7.5°	5357.4	5360.6	5363.9	5377.1	5370.5	5396.8	5383.6	5363.9	5357.4	5337.7	5363.9
10°	5455.8	5455.8	5462.4	5478.8	5482.1	5514.9	5501.8	5478.8	5459.1	5439.4	5465.7
12.5°	5580.6	5583.9	5593.7	5616.7	5629.8	5665.9	5646.2	5600.3	5570.7	5547.8	5577.3
15°	5761.1	5757.9	5771.0	5803.8	5820.2	5846.5	5816.9	5754.6	5718.5	5692.2	5711.9
17.5°	5958.1	5958.1	5964.7	5997.5	6020.5	6059.9	6023.8	5948.3	5915.4	5879.3	5899.0
20°	6174.8	6184.6	6191.2	6214.2	6253.5	6292.9	6263.4	6187.9	6151.8	6105.8	6128.8
22.5°	6460.4	6450.5	6453.8	6493.2	6549.0	6588.4	6565.4	6476.8	6414.4	6378.3	6391.4
25°	6778.8	6775.5	6785.3	6844.4	6906.8	6949.5	6916.6	6801.8	6739.4	6677.0	6703.3
27.5°	7169.4	7172.7	7179.3	7251.5	7350.0	7412.3	7330.3	7215.4	7130.0	7048.0	7067.7
30°	7632.3	7625.7	7645.4	7743.9	7888.3	7986.8	7891.6	7730.8	7609.3	7530.5	7540.4
32.5°	8124.7	8131.2	8183.8	8341.3	8531.7	8705.7	8512.0	8298.7	8141.1	7993.4	8013.1
35°	8656.5	8672.9	8791.1	9024.1	9336.0	9569.1	9299.9	8948.6	8725.4	8535.0	8541.6
37.5°	9283.5	9322.9	9487.0	9835.0	10281.4	10593.3	10199.3	9733.2	9444.3	9208.0	9191.6
40°	10107.4	10153.4	10376.6	10790.2	11331.9	11617.5	11161.2	10681.9	10324.1	10068.0	10028.6
42.5°	11052.8	11111.9	11354.9	11778.3	12320.0	12513.7	12067.2	11663.4	11341.7	11039.7	11026.6
45°	12119.7	12152.6	12349.5	12674.5	13065.1	13111.1	12776.3	12553.0	12228.1	11945.7	11922.8
47.5°	13120.9	13153.8	13288.4	13455.8	13547.7	13383.6	13324.5	13226.0	12805.8	12457.8	12385.6
50°	13882.5	13908.8	14076.2	14141.9	13885.8	13537.9	13652.7	13442.7	12986.4	12595.7	12484.1
52.5°	13830.0	13895.7	14325.7	14699.9	14539.1	14256.8	13948.2	13495.2	12786.1	12251.0	12113.2
55°	11906.4	11995.0	12917.4	14148.4	15248.1	15369.6	14135.3	12674.5	11341.7	10557.2	10416.0
57.5°	7652.0	7675.0	8800.9	10527.6	13006.1	13787.3	11722.5	9555.9	7898.2	7034.8	6975.7
60°	2813.3	2767.3	3617.5	5048.8	7491.1	8318.4	6900.2	4832.1	3446.8	2836.3	2787.0
62.5°	676.2	682.8	846.9	1270.4	2350.4	2908.5	2297.9	1283.5	817.4	686.1	679.5
65°	341.4	334.8	338.1	364.4	502.3	600.7	492.4	348.0	334.8	338.1	334.8
67.5°	219.9	216.7	223.2	226.5	223.2	210.1	206.8	213.4	213.4	216.7	210.1
70°	134.6	131.3	137.9	147.7	141.2	124.7	131.3	137.9	131.3	128.0	128.0
72.5°	72.2	72.2	78.8	85.4	78.8	72.2	72.2	75.5	72.2	72.2	72.2
75°	32.8	32.8	36.1	39.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8
77.5°	9.8	9.8	13.1	13.1	9.8	9.8	9.8	9.8	13.1	13.1	13.1
80°	3.3	6.6	6.6	3.3	3.3	3.3	3.3	3.3	6.6	6.6	6.6
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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)