

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: P639831

Luminaire Tested: GWS-SA5C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639831  
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-SA5C-760-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16905.5 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 157.5  
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

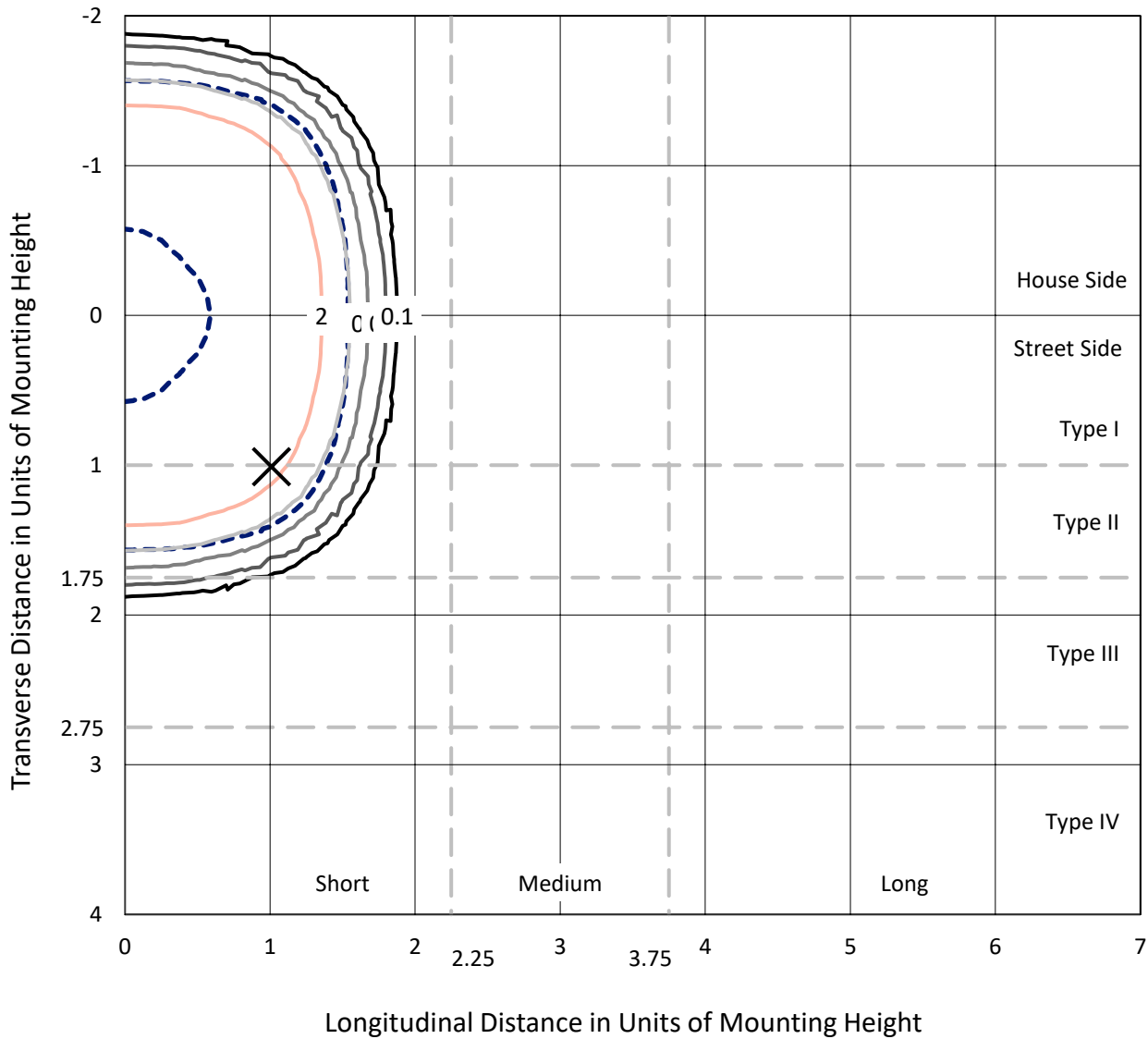


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### Iso-Footcandle Lines of Horizontal Illumination

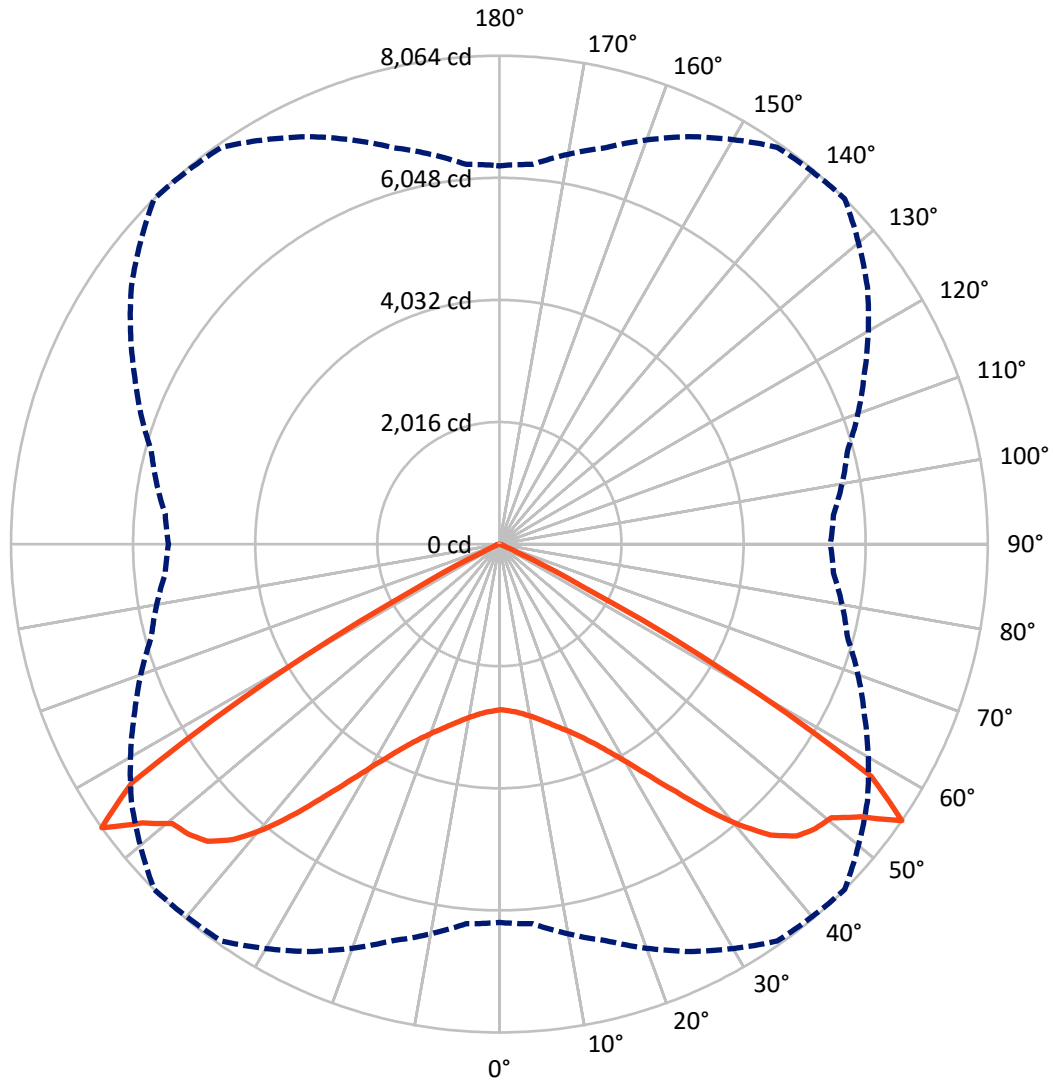
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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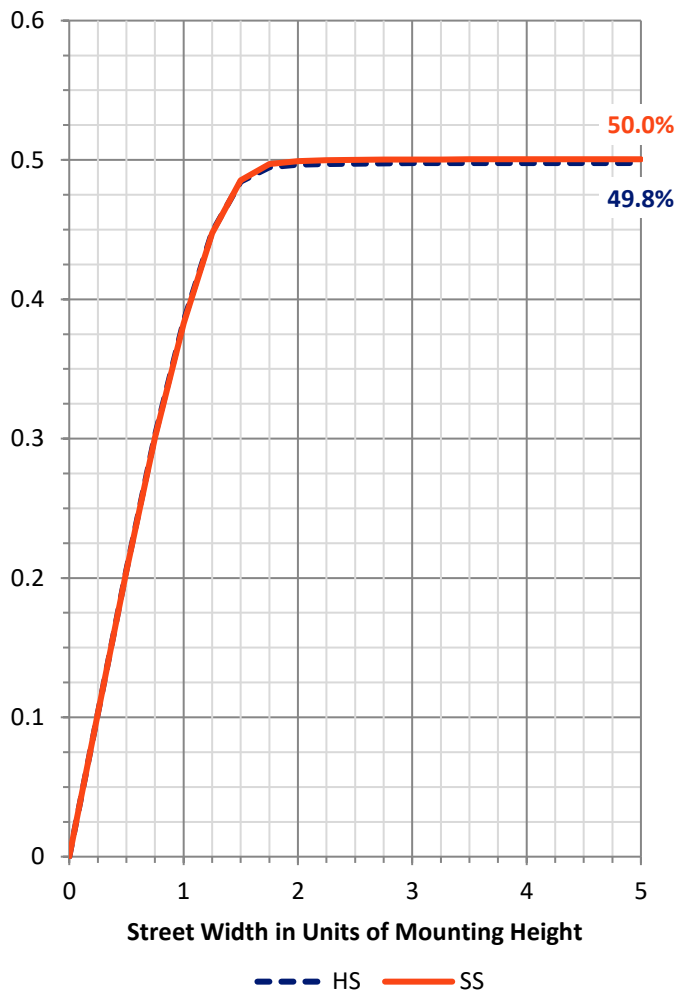
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8452.7	0.0	8452.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8452.7	0.0	8452.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16905.5	0.0	16905.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.8	1.6
10°-20°	868.1	5.1
20°-30°	1681.2	9.9
30°-40°	3011.9	17.8
40°-50°	5049.7	29.9
50°-60°	5405.5	32.0
60°-70°	594.0	3.5
70°-80°	26.1	0.2
80°-90°	1.2	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°	16905.5	100.0
0°-180°	16905.5	100.0

**Coefficient of Utilization**



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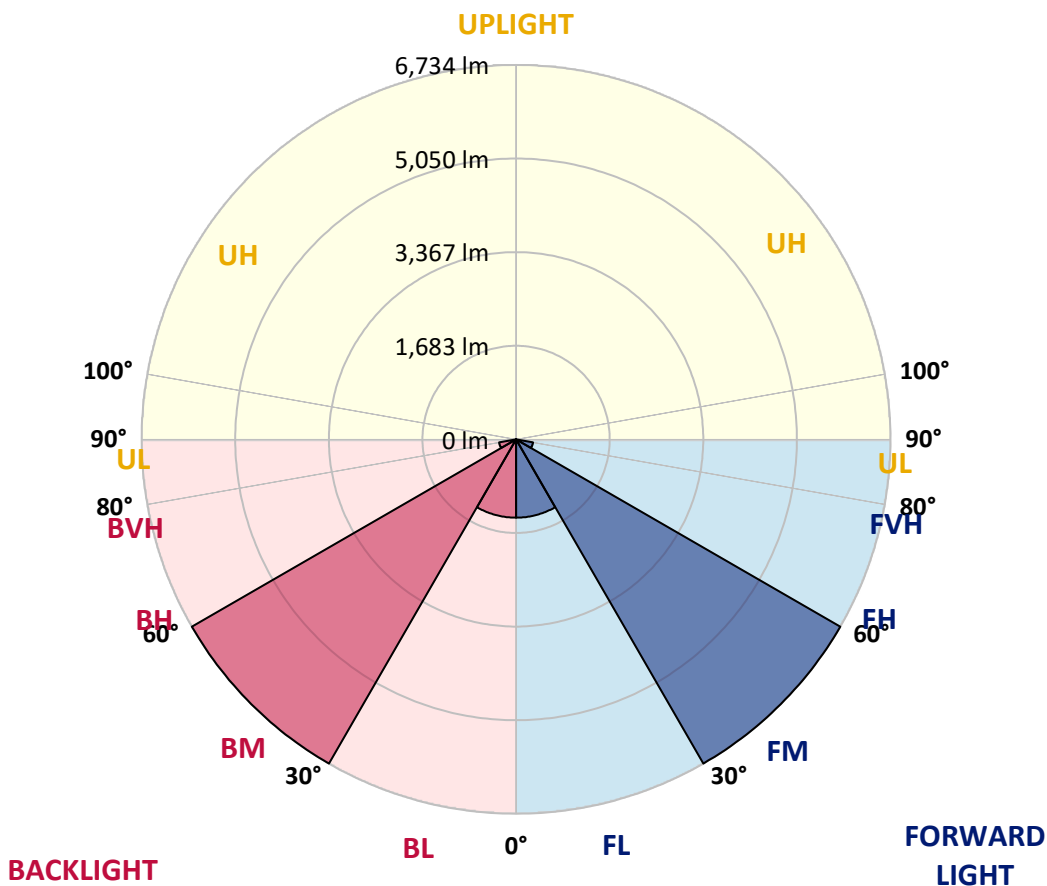
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.5	8.3			
FM (30°-60°)	6733.5	39.8			
FH (60°-80°)	310.1	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1408.5	8.3	B3/2500		
BM (30°-60°)	6733.5	39.8	B4/8500		
BH (60°-80°)	310.1	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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°	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3	2733.3
2.5°	2728.1	2728.1	2735.0	2740.2	2740.2	2754.0	2748.8	2743.6	2743.6	2736.7	2750.5
5°	2767.7	2766.0	2772.9	2776.4	2769.5	2783.2	2774.6	2769.5	2766.0	2759.1	2772.9
7.5°	2810.8	2812.5	2814.2	2821.1	2817.7	2831.5	2824.6	2814.2	2810.8	2800.5	2814.2
10°	2862.5	2862.5	2865.9	2874.5	2876.2	2893.5	2886.6	2874.5	2864.2	2853.9	2867.6
12.5°	2927.9	2929.6	2934.8	2946.9	2953.7	2972.7	2962.4	2938.2	2922.7	2910.7	2926.2
15°	3022.6	3020.9	3027.8	3045.0	3053.6	3067.4	3051.9	3019.2	3000.3	2986.5	2996.8
17.5°	3126.0	3126.0	3129.4	3146.6	3158.7	3179.4	3160.4	3120.8	3103.6	3084.6	3095.0
20°	3239.7	3244.8	3248.3	3260.3	3281.0	3301.7	3286.2	3246.5	3227.6	3203.5	3215.5
22.5°	3389.5	3384.3	3386.0	3406.7	3436.0	3456.7	3444.6	3398.1	3365.4	3346.4	3353.3
25°	3556.6	3554.8	3560.0	3591.0	3623.7	3646.1	3628.9	3568.6	3535.9	3503.2	3516.9
27.5°	3761.5	3763.2	3766.7	3804.6	3856.2	3889.0	3845.9	3785.6	3740.8	3697.8	3708.1
30°	4004.4	4000.9	4011.2	4062.9	4138.7	4190.4	4140.4	4056.0	3992.3	3951.0	3956.1
32.5°	4262.7	4266.1	4293.7	4376.4	4476.3	4567.5	4465.9	4354.0	4271.3	4193.8	4204.1
35°	4541.7	4550.3	4612.3	4734.6	4898.2	5020.5	4879.3	4695.0	4577.9	4478.0	4481.4
37.5°	4870.7	4891.3	4977.5	5160.0	5394.3	5557.9	5351.2	5106.6	4955.1	4831.1	4822.4
40°	5303.0	5327.1	5444.2	5661.2	5945.4	6095.2	5855.8	5604.4	5416.6	5282.3	5261.6
42.5°	5799.0	5830.0	5957.4	6179.6	6463.8	6565.4	6331.2	6119.3	5950.6	5792.1	5785.2
45°	6358.7	6376.0	6479.3	6649.8	6854.8	6878.9	6703.2	6586.1	6415.6	6267.5	6255.4
47.5°	6884.0	6901.3	6971.9	7059.7	7107.9	7021.8	6990.8	6939.2	6718.7	6536.1	6498.2
50°	7283.6	7297.4	7385.2	7419.7	7285.3	7102.8	7163.1	7052.8	6813.4	6608.5	6549.9
52.5°	7256.1	7290.5	7516.1	7712.5	7628.1	7480.0	7318.1	7080.4	6708.4	6427.6	6355.3
55°	6246.8	6293.3	6777.3	7423.1	8000.1	8063.8	7416.2	6649.8	5950.6	5538.9	5464.9
57.5°	4014.7	4026.7	4617.5	5523.4	6823.8	7233.7	6150.3	5013.6	4143.9	3690.9	3659.9
60°	1476.0	1451.9	1898.0	2648.9	3930.3	4364.3	3620.3	2535.2	1808.4	1488.1	1462.2
62.5°	354.8	358.2	444.4	666.5	1233.2	1526.0	1205.6	673.4	428.9	360.0	356.5
65°	179.1	175.7	177.4	191.2	263.5	315.2	258.3	182.6	175.7	177.4	175.7
67.5°	115.4	113.7	117.1	118.8	117.1	110.2	108.5	111.9	111.9	113.7	110.2
70°	70.6	68.9	72.3	77.5	74.1	65.4	68.9	72.3	68.9	67.2	67.2
72.5°	37.9	37.9	41.3	44.8	41.3	37.9	37.9	39.6	37.9	37.9	37.9
75°	17.2	17.2	18.9	20.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2
77.5°	5.2	5.2	6.9	6.9	5.2	5.2	5.2	5.2	6.9	6.9	6.9
80°	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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)