

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: P639828

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639828  
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-SA5C-760-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

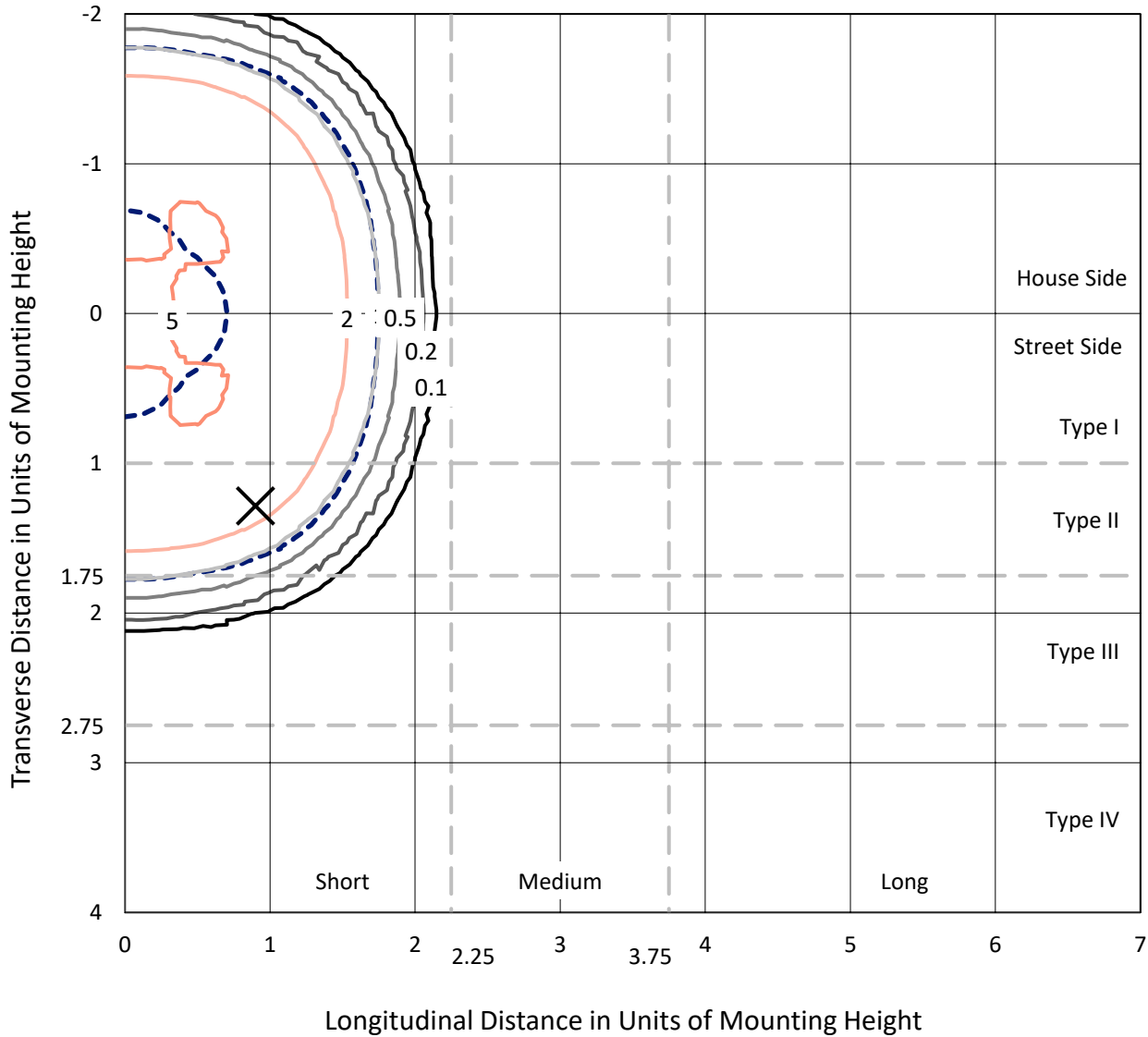
Lumens per Lamp: N/A  
Luminaire Lumens: 14678.6 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

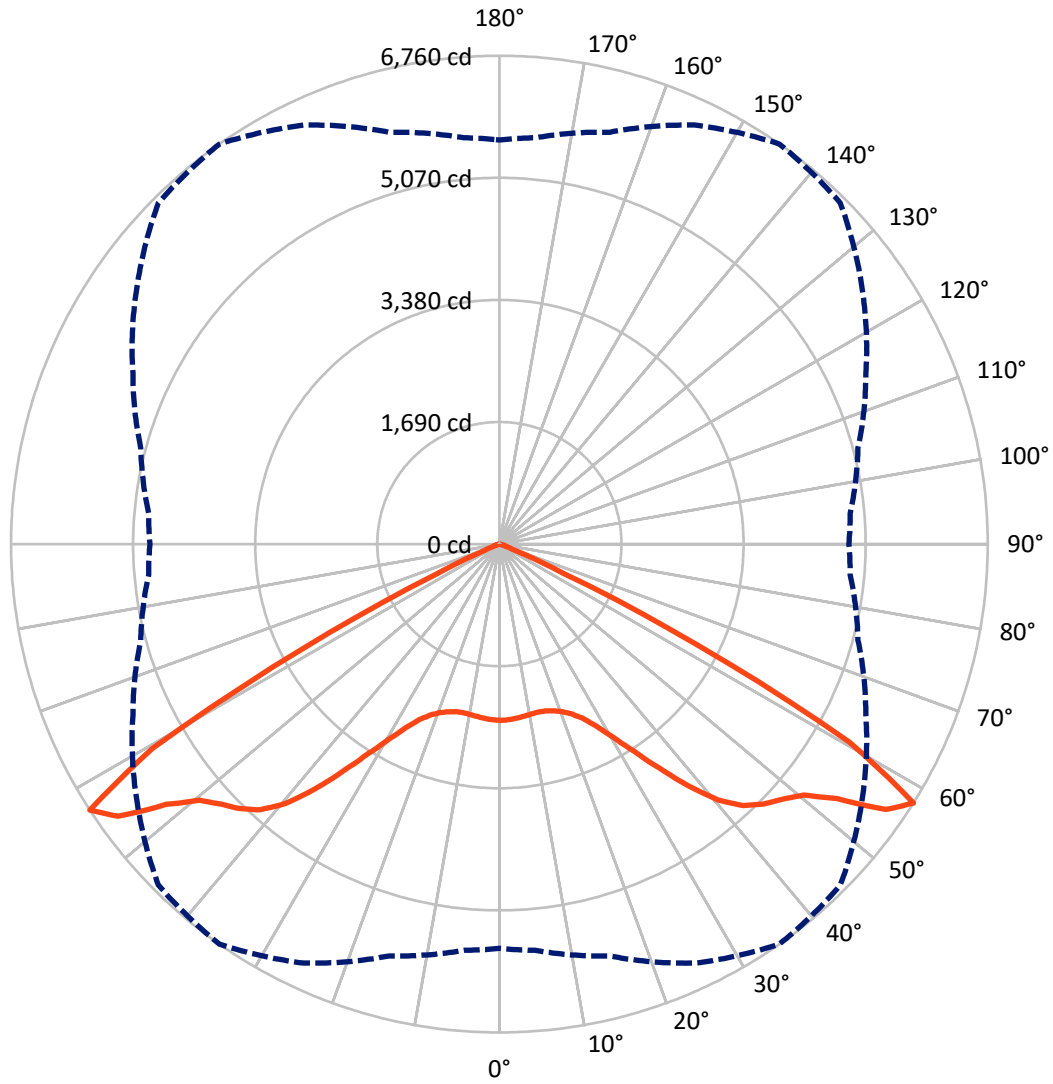
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	7339.3	0.0	7339.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7339.3	0.0	7339.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14678.6	0.0	14678.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.9	1.6
10°-20°	676.4	4.6
20°-30°	1222.5	8.3
30°-40°	2280.8	15.5
40°-50°	3826.0	26.1
50°-60°	5052.6	34.4
60°-70°	1341.9	9.1
70°-80°	47.7	0.3
80°-90°	0.8	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°	14678.6	100.0
0°-180°	14678.6	100.0

**Coefficient of Utilization**



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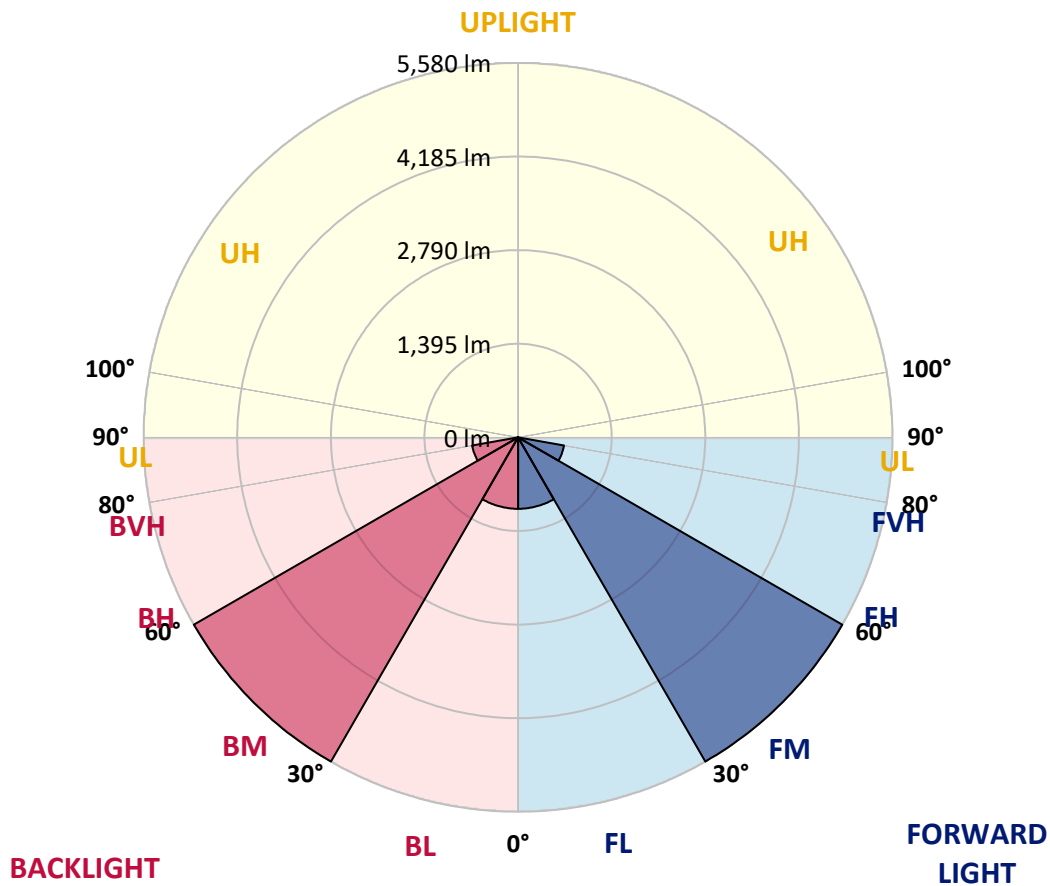
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.4	7.3			
FM (30°-60°)	5579.7	38.0			
FH (60°-80°)	694.8	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1064.4	7.3	B3/2500		
BM (30°-60°)	5579.7	38.0	B4/8500		
BH (60°-80°)	694.8	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2423.2	2421.5	2428.4	2433.6	2433.6	2445.6	2442.2	2438.7	2435.3	2430.1	2442.2
5°	2419.8	2418.1	2423.2	2426.7	2423.2	2433.6	2426.7	2419.8	2416.3	2409.4	2423.2
7.5°	2404.3	2406.0	2409.4	2412.9	2407.7	2416.3	2407.7	2397.4	2388.8	2381.9	2393.9
10°	2380.2	2381.9	2385.3	2392.2	2393.9	2406.0	2393.9	2375.0	2362.9	2352.6	2364.7
12.5°	2368.1	2369.8	2375.0	2383.6	2385.3	2400.8	2385.3	2357.8	2340.6	2328.5	2340.6
15°	2371.6	2375.0	2381.9	2392.2	2395.7	2411.2	2390.5	2354.3	2330.2	2314.7	2325.1
17.5°	2383.6	2387.1	2397.4	2414.6	2426.7	2442.2	2416.3	2369.8	2337.1	2314.7	2325.1
20°	2399.1	2404.3	2421.5	2449.1	2474.9	2502.5	2469.7	2406.0	2362.9	2335.4	2344.0
22.5°	2442.2	2447.3	2471.5	2507.6	2550.7	2585.1	2545.5	2464.6	2406.0	2369.8	2378.4
25°	2530.0	2535.2	2566.2	2612.7	2667.8	2712.6	2662.6	2561.0	2485.2	2443.9	2447.3
27.5°	2667.8	2673.0	2709.1	2774.6	2848.6	2912.3	2840.0	2721.2	2635.1	2586.8	2586.8
30°	2841.7	2848.6	2896.8	2984.7	3100.1	3184.5	3086.3	2941.6	2831.4	2766.0	2767.7
32.5°	3065.6	3058.7	3127.6	3248.2	3411.8	3523.8	3379.1	3203.4	3067.4	2976.1	2984.7
35°	3353.2	3351.5	3429.0	3592.6	3806.2	3940.5	3768.3	3541.0	3377.4	3284.4	3286.1
37.5°	3723.5	3721.8	3811.4	3988.8	4245.4	4357.3	4164.4	3933.7	3758.0	3668.4	3678.8
40°	4157.5	4147.2	4226.4	4396.9	4653.6	4725.9	4515.8	4329.8	4161.0	4104.2	4131.7
42.5°	4570.9	4548.5	4595.0	4750.0	4948.1	4958.4	4800.0	4672.5	4557.1	4512.3	4529.6
45°	4903.3	4886.1	4929.1	5018.7	5132.3	5080.7	5004.9	4965.3	4872.3	4824.1	4839.6
47.5°	5151.3	5151.3	5203.0	5258.1	5275.3	5180.6	5192.6	5192.6	5099.6	5023.8	5004.9
50°	5364.9	5380.4	5457.9	5514.7	5457.9	5337.3	5406.2	5392.4	5203.0	5051.4	5011.8
52.5°	5705.9	5721.4	5840.2	5917.7	5854.0	5735.1	5743.8	5571.5	5292.5	5113.4	5051.4
55°	6067.5	6105.4	6277.7	6484.3	6486.0	6363.8	6136.4	5831.6	5492.3	5297.7	5234.0
57.5°	5593.9	5645.6	5902.2	6399.9	6759.9	6675.5	6133.0	5597.4	5139.2	4874.0	4837.8
60°	3849.3	3938.8	4195.4	4875.7	5569.8	5602.5	4961.8	4360.8	3835.5	3508.3	3515.1
62.5°	1625.8	1717.1	1861.8	2421.5	3058.7	3098.4	2788.3	2357.8	1928.9	1693.0	1729.2
65°	382.3	408.2	451.2	670.0	971.4	1016.1	936.9	730.2	539.1	456.4	465.0
67.5°	167.1	170.5	161.9	172.2	213.6	218.7	211.8	186.0	175.7	179.1	179.1
70°	117.1	118.8	111.9	106.8	101.6	94.7	98.2	108.5	117.1	124.0	122.3
72.5°	72.3	74.1	75.8	75.8	70.6	63.7	67.2	74.1	75.8	77.5	75.8
75°	36.2	37.9	41.3	43.1	41.3	39.6	39.6	41.3	41.3	39.6	39.6
77.5°	6.9	8.6	12.1	13.8	13.8	13.8	13.8	13.8	15.5	13.8	13.8
80°	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)