

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: P634882

Luminaire Tested: GWS-SA3C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-760-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

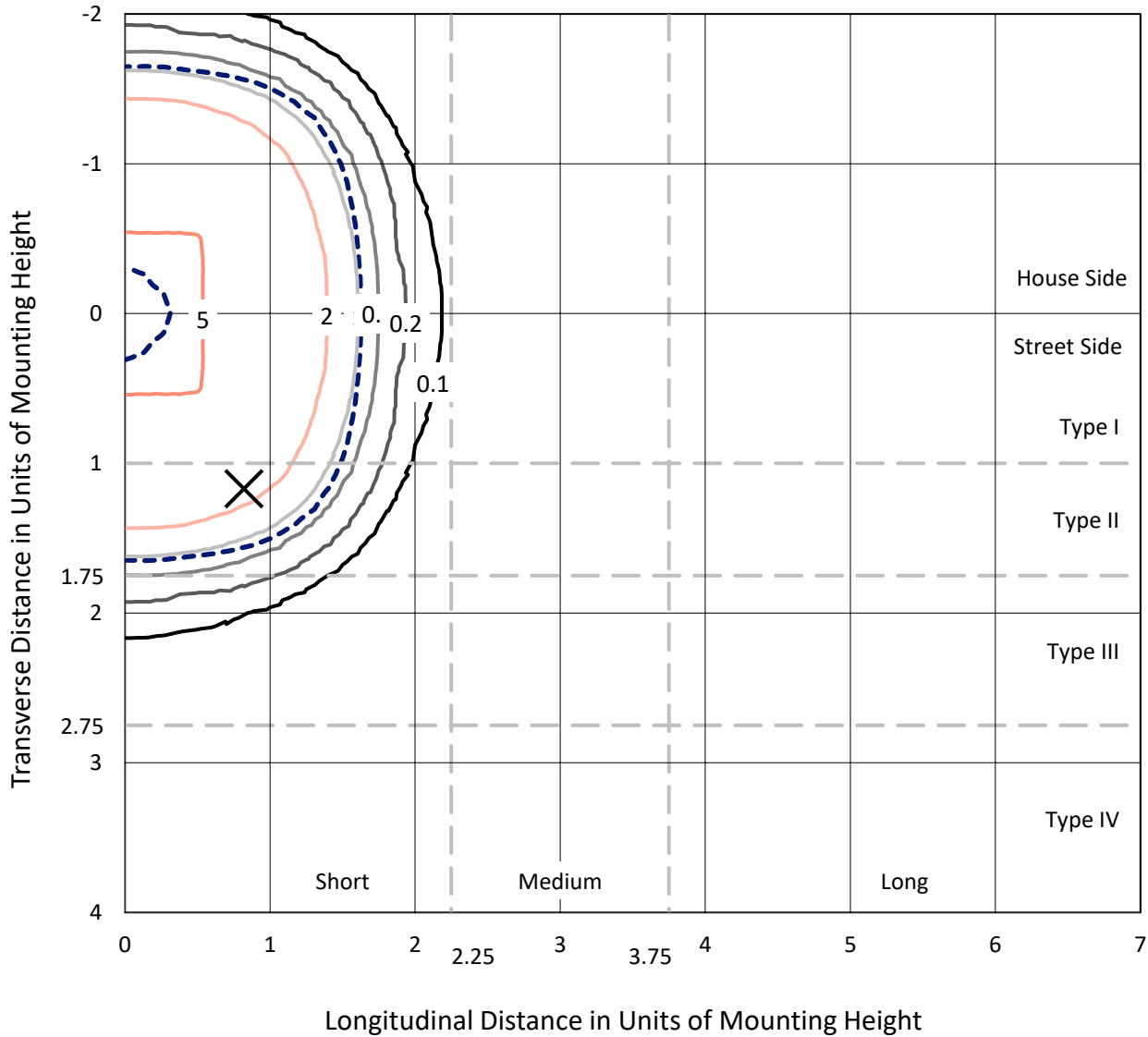
Lumens per Lamp: N/A  
Luminaire Lumens: 12758.5 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

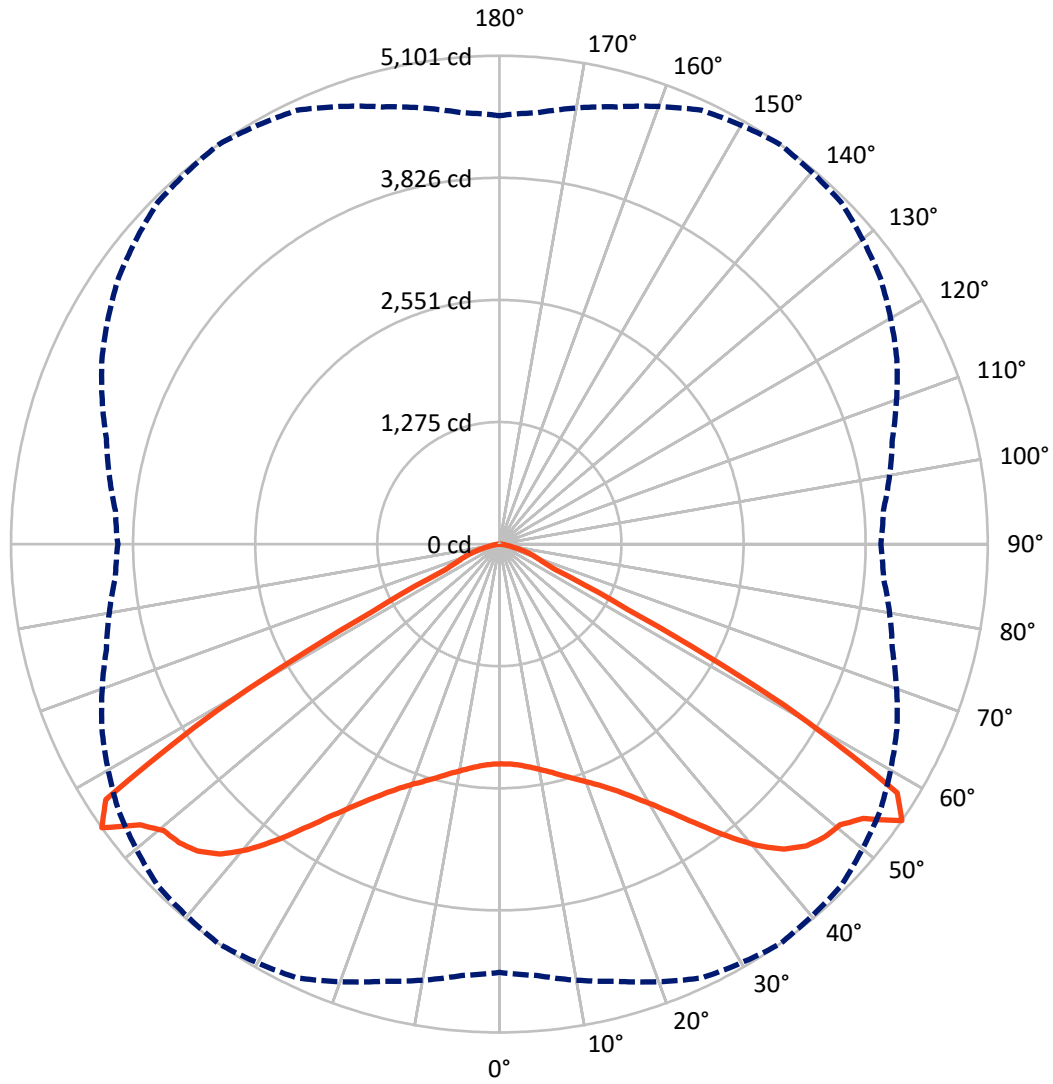
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6379.2	0.0	6379.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6379.2	0.0	6379.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12758.5	0.0	12758.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.9	1.8
10°-20°	712.8	5.6
20°-30°	1319.2	10.3
30°-40°	2206.8	17.3
40°-50°	3362.7	26.4
50°-60°	3767.0	29.5
60°-70°	891.3	7.0
70°-80°	240.3	1.9
80°-90°	34.6	0.3
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°	12758.5	100.0
0°-180°	12758.5	100.0

**Coefficient of Utilization**



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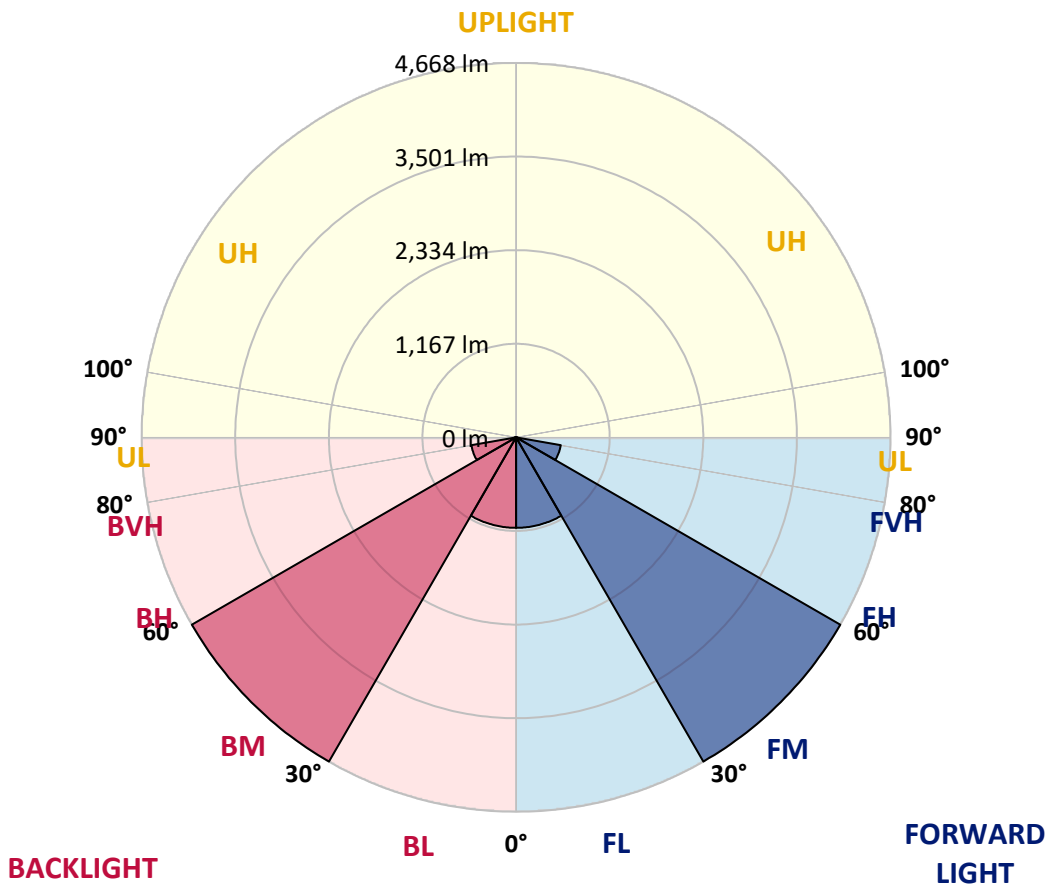
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.9	8.8			
FM (30°-60°)	4668.2	36.6			
FH (60°-80°)	565.8	4.4			G0/660
FVH (80°-90°)	17.3	0.1			G1/100
BL (0°-30°)	1127.9	8.8	B3/2500		
BM (30°-60°)	4668.2	36.6	B3/5000		
BH (60°-80°)	565.8	4.4	B2/1000		G0/660
BVH (80°-90°)	17.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3	2295.3
2.5°	2290.2	2290.2	2294.3	2299.3	2300.3	2310.4	2308.4	2304.4	2302.4	2298.3	2307.4
5°	2315.5	2316.5	2319.5	2322.5	2320.5	2328.6	2325.6	2320.5	2317.5	2312.4	2321.5
7.5°	2348.8	2348.8	2351.8	2355.8	2353.8	2365.9	2359.9	2352.8	2347.8	2341.7	2349.8
10°	2379.0	2381.0	2384.1	2392.1	2396.2	2409.3	2405.3	2395.2	2387.1	2380.0	2389.1
12.5°	2424.4	2426.4	2429.5	2440.6	2447.6	2460.8	2454.7	2440.6	2428.5	2418.4	2428.5
15°	2482.9	2480.9	2489.0	2503.1	2512.2	2524.3	2517.3	2493.0	2476.9	2463.8	2473.9
17.5°	2542.5	2541.5	2549.5	2567.7	2580.8	2597.0	2584.8	2556.6	2539.4	2523.3	2533.4
20°	2607.0	2610.1	2618.1	2635.3	2654.5	2675.7	2665.6	2635.3	2616.1	2598.0	2606.0
22.5°	2686.7	2687.8	2696.8	2719.0	2744.3	2764.4	2758.4	2721.1	2696.8	2677.7	2687.8
25°	2782.6	2781.6	2793.7	2819.9	2855.2	2875.4	2862.3	2820.9	2794.7	2772.5	2780.6
27.5°	2892.6	2891.6	2909.7	2944.0	2994.5	3022.7	2995.5	2944.0	2907.7	2876.4	2883.5
30°	3030.8	3027.8	3047.9	3094.4	3159.9	3207.4	3167.0	3095.4	3047.9	3014.6	3021.7
32.5°	3184.1	3188.2	3213.4	3276.0	3358.7	3420.2	3359.7	3280.0	3216.4	3168.0	3176.1
35°	3352.6	3352.6	3404.1	3481.8	3599.8	3681.5	3587.7	3472.7	3387.9	3321.4	3323.4
37.5°	3540.3	3542.3	3609.9	3716.9	3871.2	3967.1	3839.9	3697.7	3594.8	3523.1	3519.1
40°	3769.3	3775.4	3845.0	3964.0	4137.6	4225.3	4089.1	3949.9	3845.0	3760.2	3752.2
42.5°	4027.6	4029.6	4103.3	4210.2	4356.5	4409.0	4302.0	4188.0	4102.3	4025.6	4017.5
45°	4273.8	4268.7	4332.3	4412.0	4496.7	4501.8	4442.3	4395.9	4321.2	4255.6	4243.5
47.5°	4465.5	4461.4	4518.9	4562.3	4572.4	4523.0	4542.1	4549.2	4462.4	4373.7	4350.5
50°	4582.5	4590.6	4645.1	4669.3	4609.7	4529.0	4601.7	4583.5	4459.4	4343.4	4306.1
52.5°	4653.1	4665.2	4760.1	4821.6	4760.1	4683.4	4693.5	4586.5	4408.0	4254.6	4206.2
55°	4474.6	4523.0	4727.8	5000.2	5101.1	5047.6	4855.9	4580.5	4249.6	4026.6	3985.2
57.5°	3316.3	3393.0	3696.7	4286.9	4900.3	5095.0	4535.1	3839.9	3338.5	3052.0	3027.8
60°	1693.0	1778.7	2021.9	2628.2	3417.2	3691.6	3158.9	2458.7	1954.3	1722.2	1696.0
62.5°	691.1	705.2	784.9	1019.0	1510.4	1742.4	1530.5	1074.5	807.1	743.6	744.6
65°	543.8	546.8	542.8	556.9	632.6	702.2	648.7	570.0	555.9	563.0	557.9
67.5°	474.2	475.2	472.2	472.2	475.2	472.2	478.2	481.3	483.3	491.3	486.3
70°	396.5	397.5	397.5	399.5	398.5	393.5	402.6	406.6	407.6	412.6	409.6
72.5°	306.7	309.7	311.8	312.8	311.8	308.7	313.8	320.8	319.8	324.9	319.8
75°	207.8	211.9	213.9	217.9	216.9	216.9	223.0	226.0	223.0	227.0	223.0
77.5°	118.0	121.1	127.1	131.2	135.2	138.2	142.3	144.3	143.3	145.3	143.3
80°	68.6	69.6	74.7	76.7	81.7	86.8	90.8	92.8	93.8	94.8	93.8
82.5°	39.3	40.4	42.4	44.4	48.4	52.5	56.5	59.5	59.5	60.5	59.5
85°	19.2	19.2	20.2	21.2	23.2	26.2	29.3	32.3	33.3	33.3	33.3
87.5°	3.0	3.0	4.0	4.0	5.0	6.1	8.1	10.1	11.1	11.1	11.1
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)