

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: P634772

Luminaire Tested: GWS-SA3C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634772  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

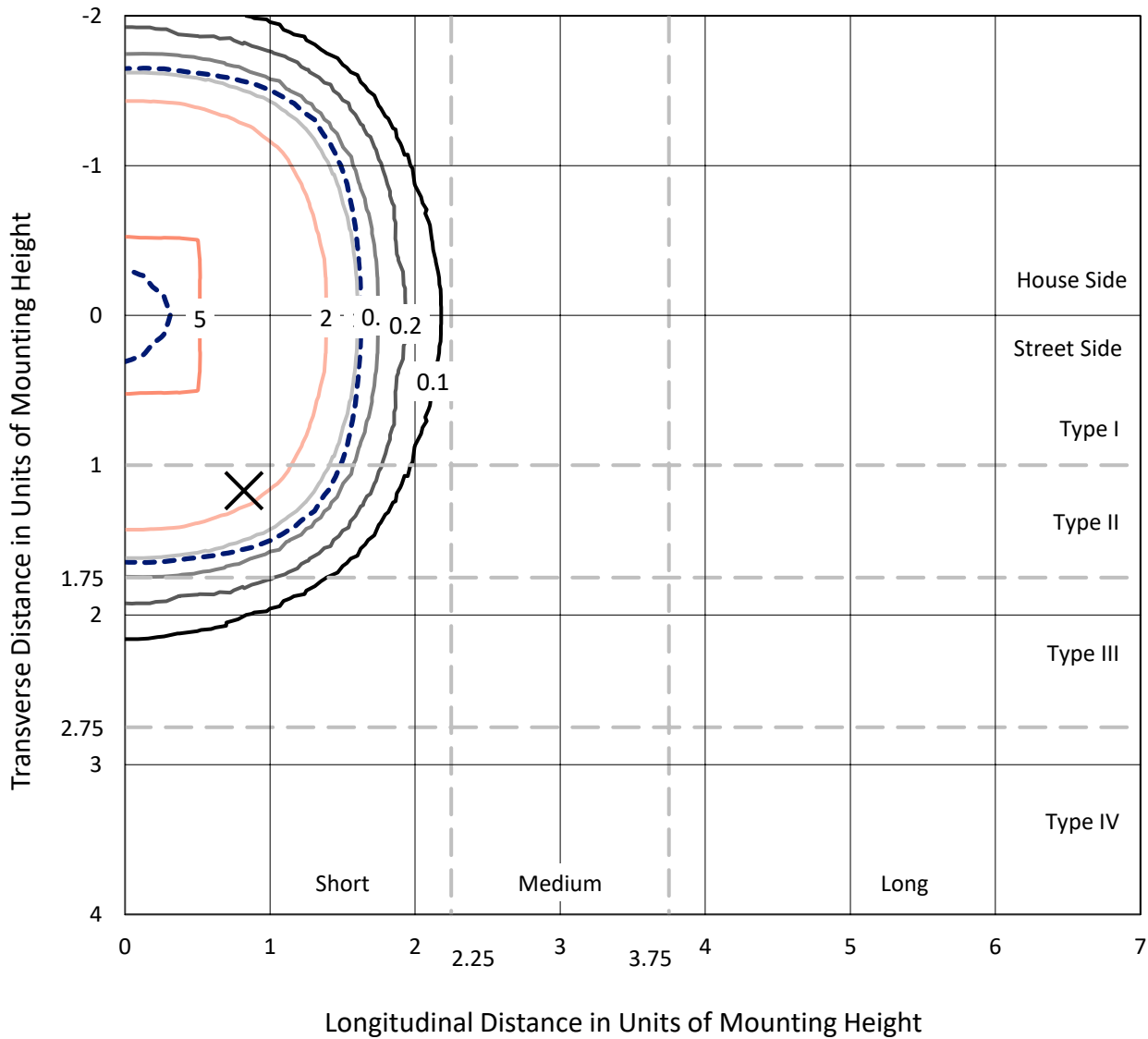
Lumens per Lamp: N/A  
Luminaire Lumens: 12646 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

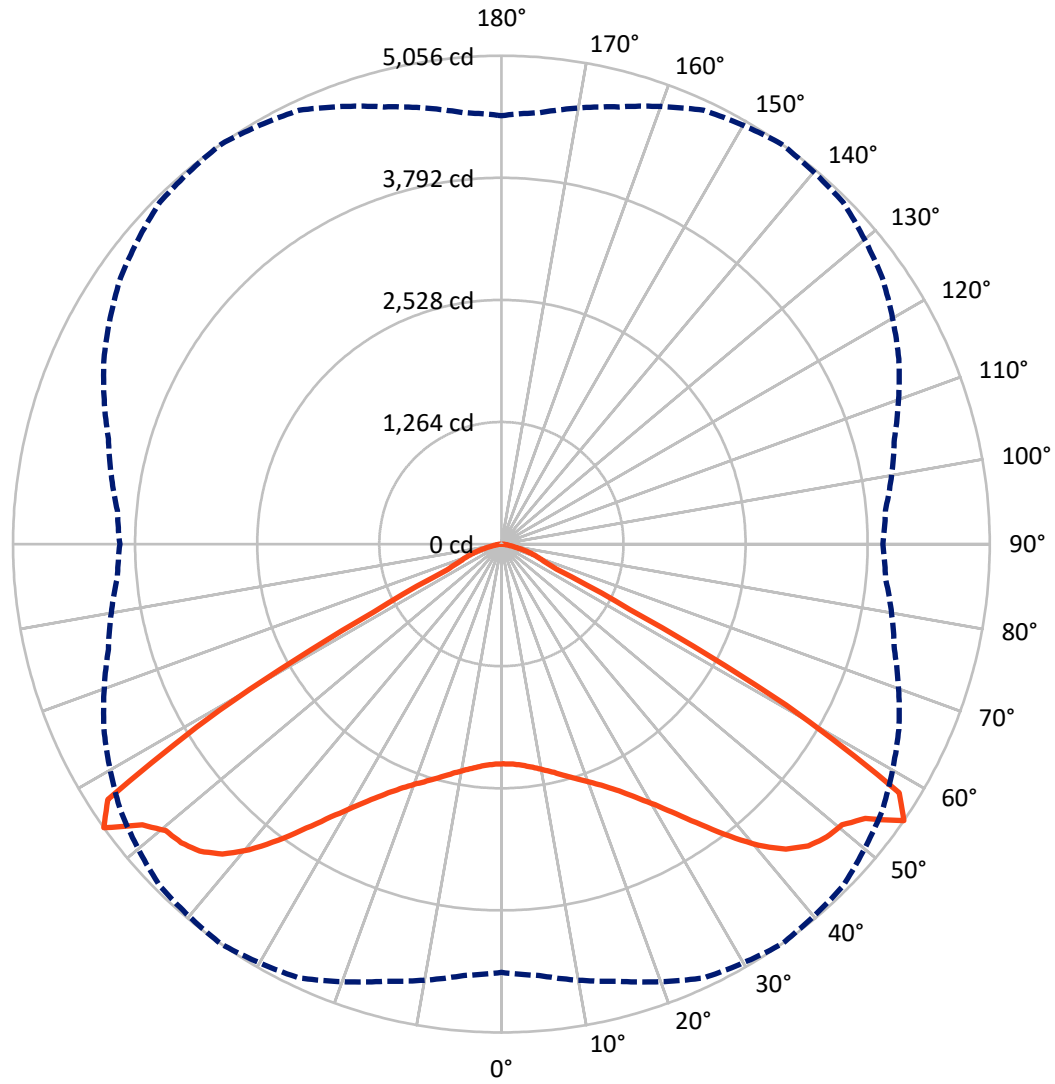
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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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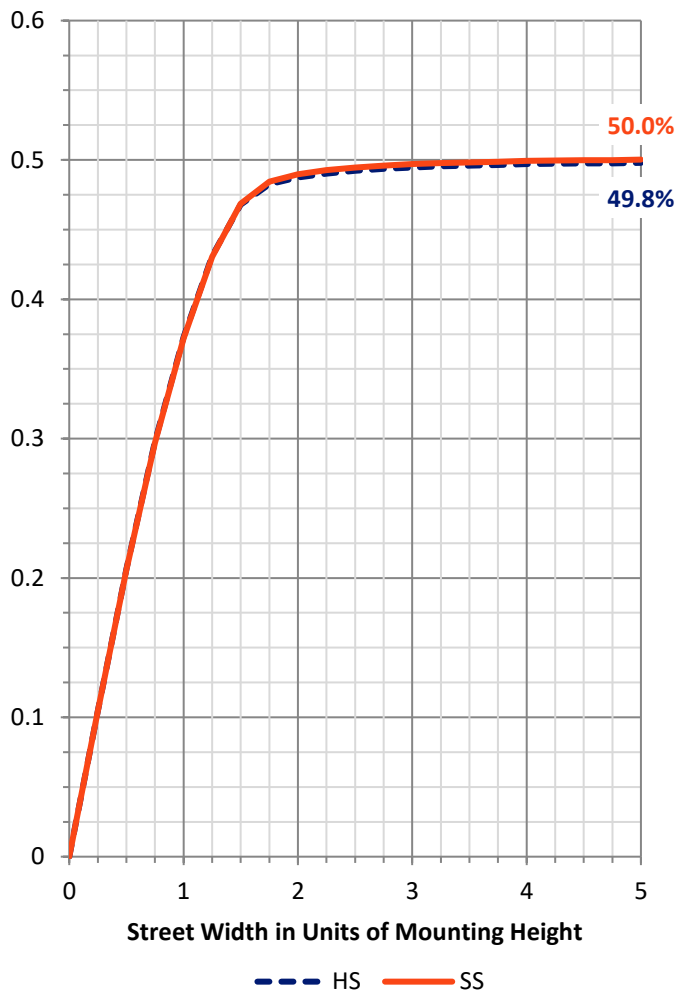
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6323.0	0.0	6323.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6323.0	0.0	6323.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12646.0	0.0	12646.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.9	1.8
10°-20°	706.5	5.6
20°-30°	1307.6	10.3
30°-40°	2187.3	17.3
40°-50°	3333.1	26.4
50°-60°	3733.8	29.5
60°-70°	883.4	7.0
70°-80°	238.2	1.9
80°-90°	34.3	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°	12646.0	100.0
0°-180°	12646.0	100.0

**Coefficient of Utilization**



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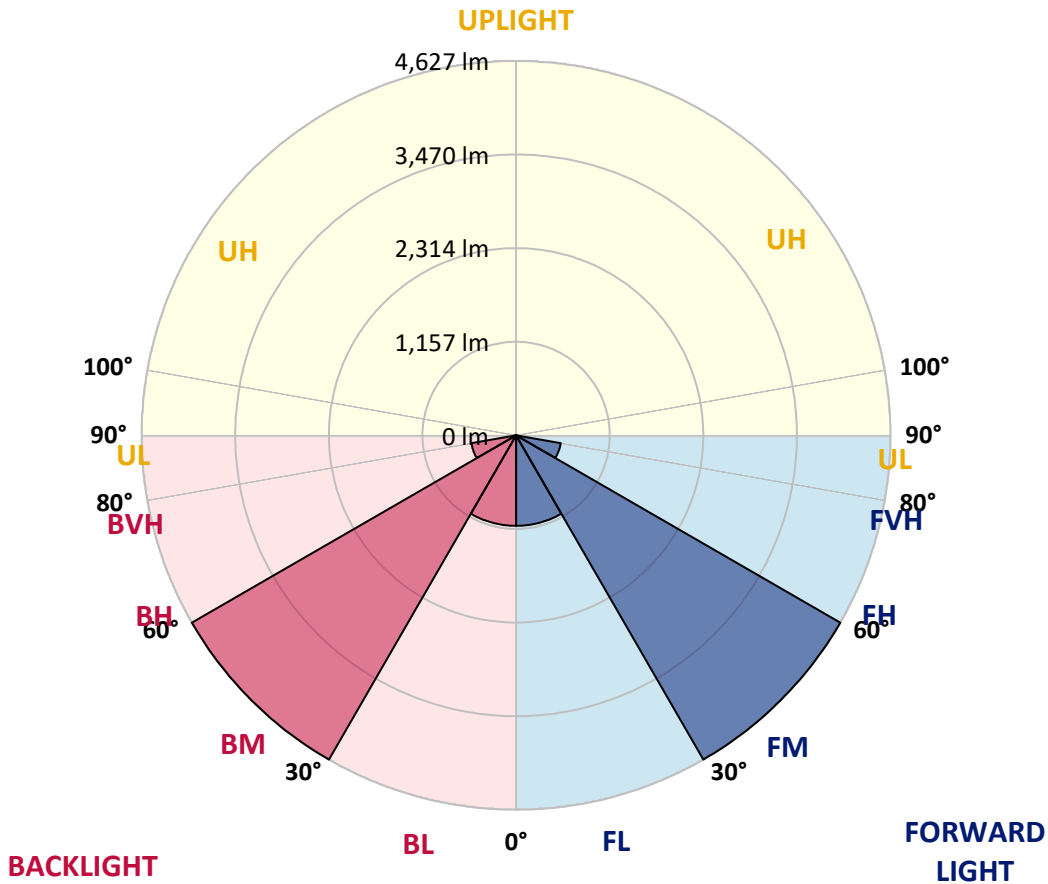
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.0	8.8			
FM (30°-60°)	4627.1	36.6			
FH (60°-80°)	560.8	4.4			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	1118.0	8.8	B3/2500		
BM (30°-60°)	4627.1	36.6	B3/5000		
BH (60°-80°)	560.8	4.4	B2/1000		G0/660
BVH (80°-90°)	17.1	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°	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0
2.5°	2270.0	2270.0	2274.0	2279.0	2280.0	2290.0	2288.0	2284.0	2282.0	2278.0	2287.0
5°	2295.0	2296.0	2299.0	2302.0	2300.0	2308.1	2305.0	2300.0	2297.0	2292.0	2301.0
7.5°	2328.1	2328.1	2331.1	2335.1	2333.1	2345.1	2339.1	2332.1	2327.1	2321.1	2329.1
10°	2358.1	2360.1	2363.1	2371.1	2375.1	2388.1	2384.1	2374.1	2366.1	2359.1	2368.1
12.5°	2403.1	2405.1	2408.1	2419.1	2426.1	2439.1	2433.1	2419.1	2407.1	2397.1	2407.1
15°	2461.1	2459.1	2467.1	2481.1	2490.1	2502.1	2495.1	2471.1	2455.1	2442.1	2452.1
17.5°	2520.1	2519.1	2527.1	2545.1	2558.1	2574.1	2562.1	2534.1	2517.1	2501.1	2511.1
20°	2584.1	2587.1	2595.1	2612.1	2631.1	2652.1	2642.1	2612.1	2593.1	2575.1	2583.1
22.5°	2663.1	2664.1	2673.1	2695.1	2720.1	2740.1	2734.1	2697.1	2673.1	2654.1	2664.1
25°	2758.1	2757.1	2769.1	2795.1	2830.1	2850.1	2837.1	2796.1	2770.1	2748.1	2756.1
27.5°	2867.1	2866.1	2884.1	2918.1	2968.1	2996.1	2969.1	2918.1	2882.1	2851.1	2858.1
30°	3004.1	3001.1	3021.1	3067.1	3132.1	3179.1	3139.1	3068.1	3021.1	2988.1	2995.1
32.5°	3156.1	3160.1	3185.1	3247.1	3329.1	3390.1	3330.1	3251.1	3188.1	3140.1	3148.1
35°	3323.1	3323.1	3374.1	3451.1	3568.1	3649.1	3556.1	3442.1	3358.1	3292.1	3294.1
37.5°	3509.1	3511.1	3578.1	3684.1	3837.1	3932.1	3806.1	3665.1	3563.1	3492.1	3488.1
40°	3736.1	3742.1	3811.1	3929.1	4101.1	4188.1	4053.1	3915.1	3811.1	3727.1	3719.1
42.5°	3992.1	3994.1	4067.1	4173.1	4318.1	4370.1	4264.1	4151.1	4066.1	3990.1	3982.1
45°	4236.1	4231.1	4294.1	4373.1	4457.1	4462.1	4403.1	4357.1	4283.1	4218.1	4206.1
47.5°	4426.1	4422.1	4479.1	4522.1	4532.1	4483.1	4502.1	4509.1	4423.1	4335.1	4312.1
50°	4542.1	4550.1	4604.1	4628.1	4569.1	4489.1	4561.1	4543.1	4420.1	4305.1	4268.1
52.5°	4612.1	4624.1	4718.1	4779.1	4718.1	4642.1	4652.1	4546.1	4369.1	4217.1	4169.1
55°	4435.1	4483.1	4686.1	4956.1	5056.1	5003.1	4813.1	4540.1	4212.1	3991.1	3950.1
57.5°	3287.1	3363.1	3664.1	4249.1	4857.1	5050.1	4495.1	3806.1	3309.1	3025.1	3001.1
60°	1678.0	1763.0	2004.0	2605.1	3387.1	3659.1	3131.1	2437.1	1937.0	1707.0	1681.0
62.5°	685.0	699.0	778.0	1010.0	1497.0	1727.0	1517.0	1065.0	800.0	737.0	738.0
65°	539.0	542.0	538.0	552.0	627.0	696.0	643.0	565.0	551.0	558.0	553.0
67.5°	470.0	471.0	468.0	468.0	471.0	468.0	474.0	477.0	479.0	487.0	482.0
70°	393.0	394.0	394.0	396.0	395.0	390.0	399.0	403.0	404.0	409.0	406.0
72.5°	304.0	307.0	309.0	310.0	309.0	306.0	311.0	318.0	317.0	322.0	317.0
75°	206.0	210.0	212.0	216.0	215.0	215.0	221.0	224.0	221.0	225.0	221.0
77.5°	117.0	120.0	126.0	130.0	134.0	137.0	141.0	143.0	142.0	144.0	142.0
80°	68.0	69.0	74.0	76.0	81.0	86.0	90.0	92.0	93.0	94.0	93.0
82.5°	39.0	40.0	42.0	44.0	48.0	52.0	56.0	59.0	59.0	60.0	59.0
85°	19.0	19.0	20.0	21.0	23.0	26.0	29.0	32.0	33.0	33.0	33.0
87.5°	3.0	3.0	4.0	4.0	5.0	6.0	8.0	10.0	11.0	11.0	11.0
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)