

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: P633895

Luminaire Tested: GWS-SA2F-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-760-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

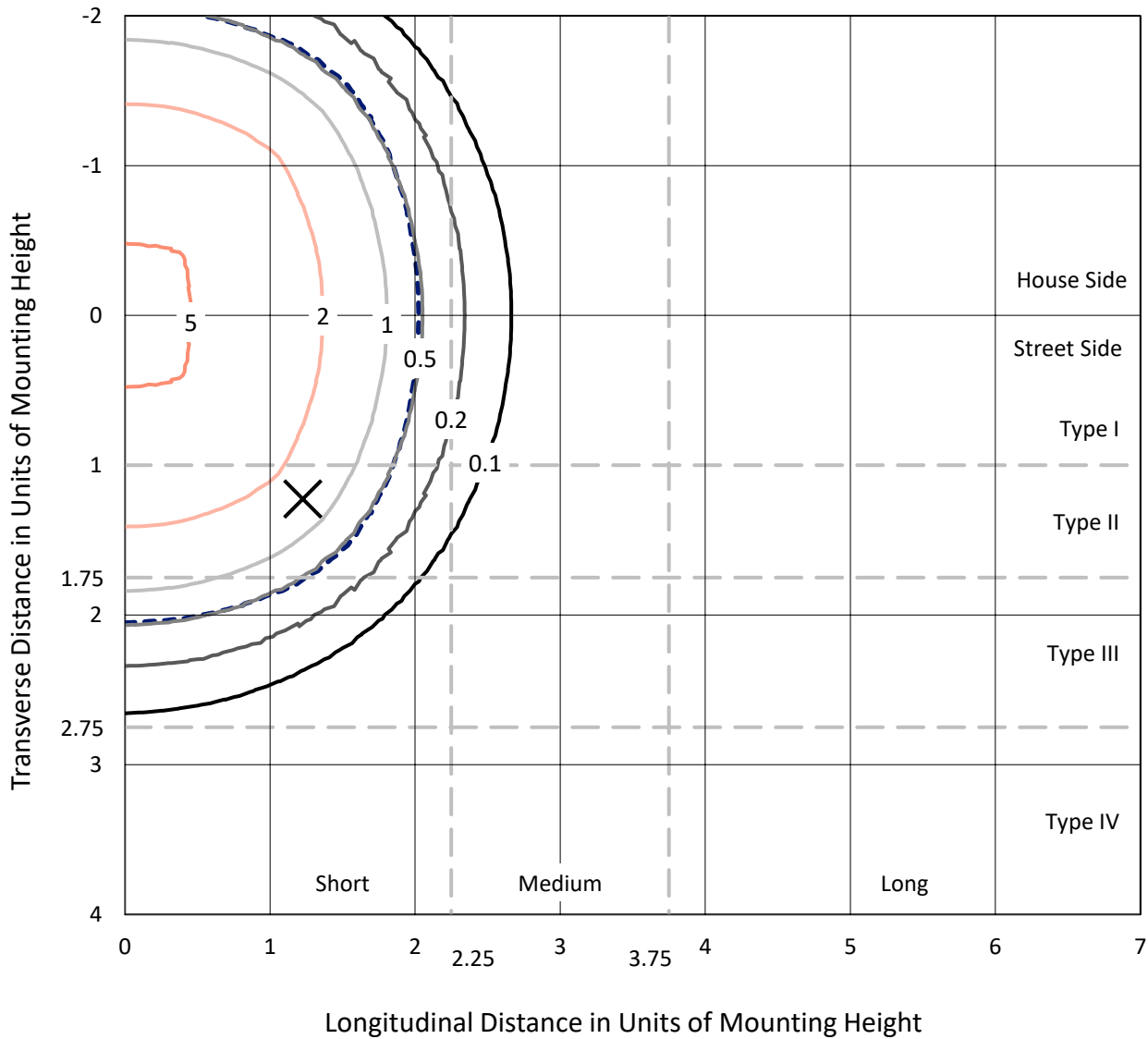
Lumens per Lamp: N/A  
Luminaire Lumens: 13822.6 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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

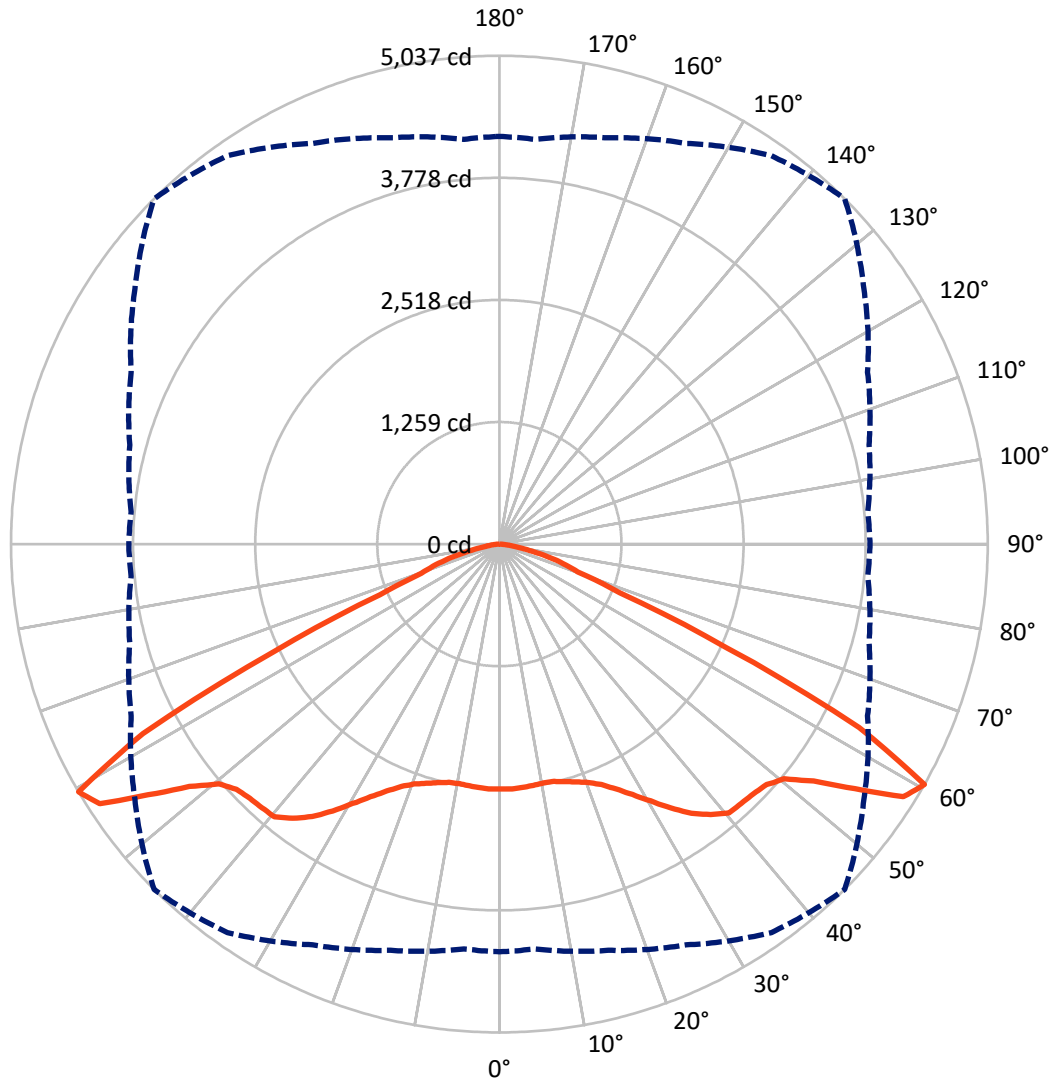
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6911.3	0.0	6911.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6911.3	0.0	6911.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13822.6	0.0	13822.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.6	1.7
10°-20°	720.6	5.2
20°-30°	1274.8	9.2
30°-40°	2052.5	14.8
40°-50°	2821.0	20.4
50°-60°	3759.3	27.2
60°-70°	2343.0	17.0
70°-80°	538.8	3.9
80°-90°	73.1	0.5
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°	13822.6	100.0
0°-180°	13822.6	100.0

**Coefficient of Utilization**



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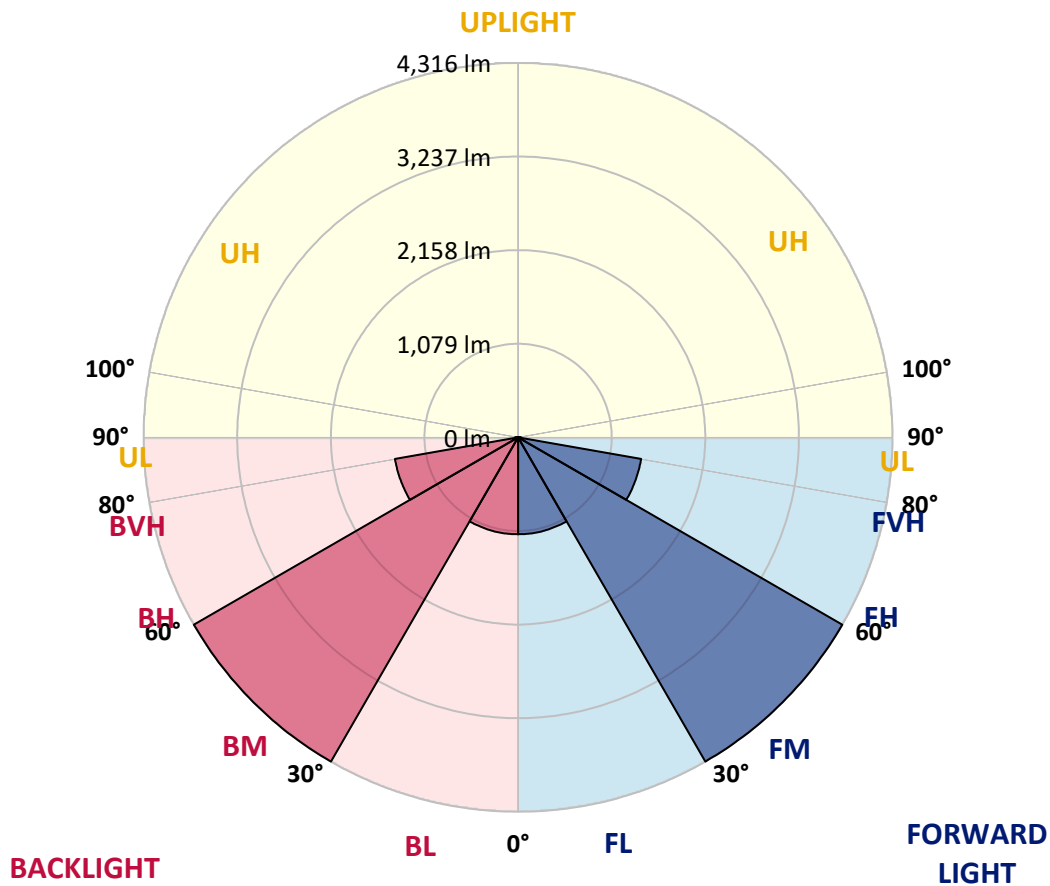
CATALOG NUMBER: GWS-SA2F-760-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1117.5	8.1			
FM (30°-60°)	4316.4	31.2			
FH (60°-80°)	1440.9	10.4			G1/1800
FVH (80°-90°)	36.5	0.3			G1/100
BL (0°-30°)	1117.5	8.1	B3/2500		
BM (30°-60°)	4316.4	31.2	B3/5000		
BH (60°-80°)	1440.9	10.4	B3/2500		G1/1800
BVH (80°-90°)	36.5	0.3			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°	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1	2526.1
2.5°	2508.5	2510.8	2515.5	2519.0	2523.7	2528.4	2530.8	2526.1	2523.7	2514.3	2524.9
5°	2510.8	2513.2	2516.7	2516.7	2517.8	2521.4	2521.4	2515.5	2509.6	2499.1	2510.8
7.5°	2507.3	2509.6	2510.8	2509.6	2510.8	2512.0	2509.6	2502.6	2496.7	2487.3	2496.7
10°	2501.4	2503.8	2506.1	2503.8	2501.4	2504.9	2504.9	2500.2	2496.7	2487.3	2497.9
12.5°	2514.3	2517.8	2519.0	2513.2	2510.8	2512.0	2512.0	2507.3	2507.3	2499.1	2510.8
15°	2544.8	2547.2	2543.7	2536.6	2537.8	2541.3	2533.1	2521.4	2519.0	2515.5	2524.9
17.5°	2568.3	2570.6	2567.1	2562.4	2570.6	2578.9	2563.6	2541.3	2534.3	2531.9	2542.5
20°	2594.1	2597.6	2592.9	2598.8	2615.2	2624.6	2605.8	2575.3	2561.3	2557.7	2570.6
22.5°	2636.3	2641.0	2641.0	2653.9	2678.6	2693.8	2670.4	2629.3	2608.2	2602.3	2615.2
25°	2703.2	2706.7	2710.3	2736.1	2776.0	2797.1	2759.5	2703.2	2673.9	2664.5	2671.5
27.5°	2795.9	2801.8	2807.6	2845.2	2894.5	2925.0	2871.0	2800.6	2764.2	2745.5	2759.5
30°	2906.2	2914.4	2928.5	2970.7	3040.0	3074.0	3004.8	2919.1	2878.0	2858.1	2876.9
32.5°	3056.4	3057.6	3068.1	3115.0	3206.6	3245.3	3158.5	3063.4	3021.2	2997.7	3008.3
35°	3234.7	3235.9	3219.5	3267.6	3366.1	3409.5	3307.5	3211.3	3176.1	3169.0	3196.0
37.5°	3417.7	3407.2	3390.8	3411.9	3511.6	3539.8	3431.8	3349.7	3334.4	3347.4	3387.2
40°	3548.0	3530.4	3497.5	3512.8	3613.7	3646.5	3531.6	3454.1	3449.4	3481.1	3529.2
42.5°	3632.5	3613.7	3575.0	3575.0	3644.2	3658.3	3569.1	3528.0	3538.6	3575.0	3620.7
45°	3673.5	3663.0	3640.7	3628.9	3667.7	3673.5	3605.5	3589.0	3609.0	3626.6	3661.8
47.5°	3705.2	3705.2	3698.2	3686.4	3704.0	3707.5	3657.1	3652.4	3678.2	3678.2	3701.7
50°	3761.5	3767.4	3776.8	3774.4	3793.2	3804.9	3767.4	3760.3	3770.9	3736.9	3748.6
52.5°	3909.4	3924.6	3951.6	3972.7	4020.8	4057.2	3990.3	3934.0	3878.8	3803.8	3806.1
55°	4174.5	4181.6	4234.3	4296.5	4377.5	4451.4	4314.1	4139.3	4019.6	3931.6	3932.8
57.5°	4398.6	4409.2	4486.6	4616.8	4798.7	4913.7	4609.8	4317.7	4148.7	4040.8	4044.3
60°	4205.0	4190.9	4337.6	4560.5	4890.2	5036.9	4588.7	4189.8	3946.9	3813.1	3822.5
62.5°	3253.5	3226.5	3389.6	3623.1	4018.5	4165.1	3752.1	3369.6	3139.7	3035.3	3020.0
65°	1980.5	1955.8	2073.2	2216.3	2483.8	2576.5	2387.6	2184.6	1984.0	1920.7	1903.1
67.5°	1078.2	1074.7	1106.4	1176.8	1294.1	1337.5	1301.2	1205.0	1153.3	1108.7	1108.7
70°	855.3	848.3	842.4	843.6	854.1	860.0	861.2	856.5	862.4	863.5	858.8
72.5°	708.7	706.3	694.6	695.8	691.1	688.7	696.9	701.6	711.0	712.2	712.2
75°	513.9	508.0	513.9	515.1	510.4	510.4	516.2	515.1	519.8	522.1	509.2
77.5°	292.1	292.1	300.4	309.7	316.8	316.8	322.7	322.7	328.5	327.3	325.0
80°	160.7	160.7	165.4	171.3	178.3	185.4	191.2	192.4	195.9	194.8	191.2
82.5°	91.5	92.7	95.0	98.6	105.6	111.5	117.3	118.5	122.0	122.0	118.5
85°	43.4	42.2	43.4	45.8	49.3	54.0	59.8	63.4	65.7	65.7	63.4
87.5°	8.2	9.4	8.2	9.4	10.6	14.1	16.4	18.8	22.3	23.5	21.1
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)