

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: P637525

Luminaire Tested: GWS-SA4D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637525  
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-SA4D-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15234.3 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

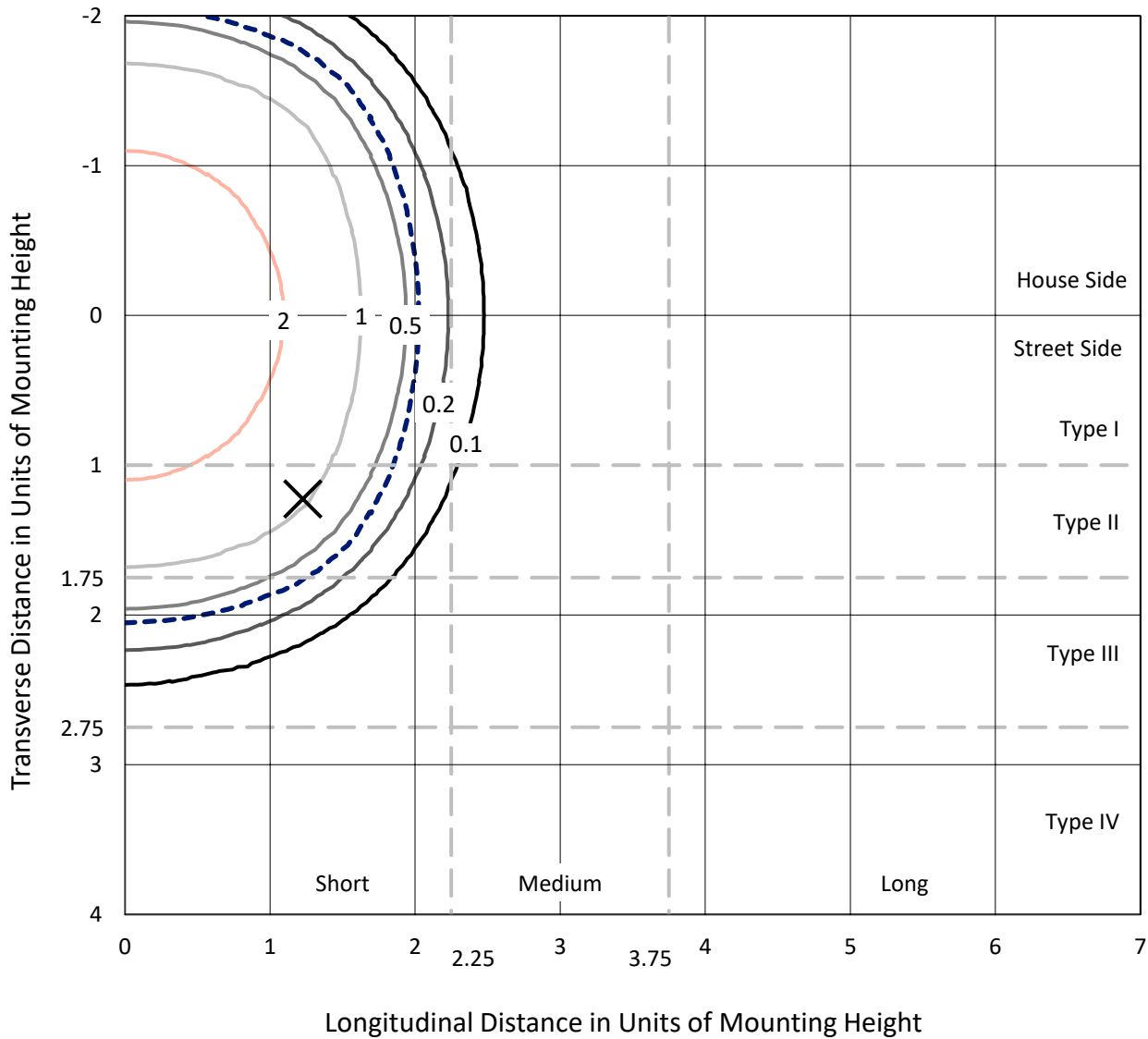
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

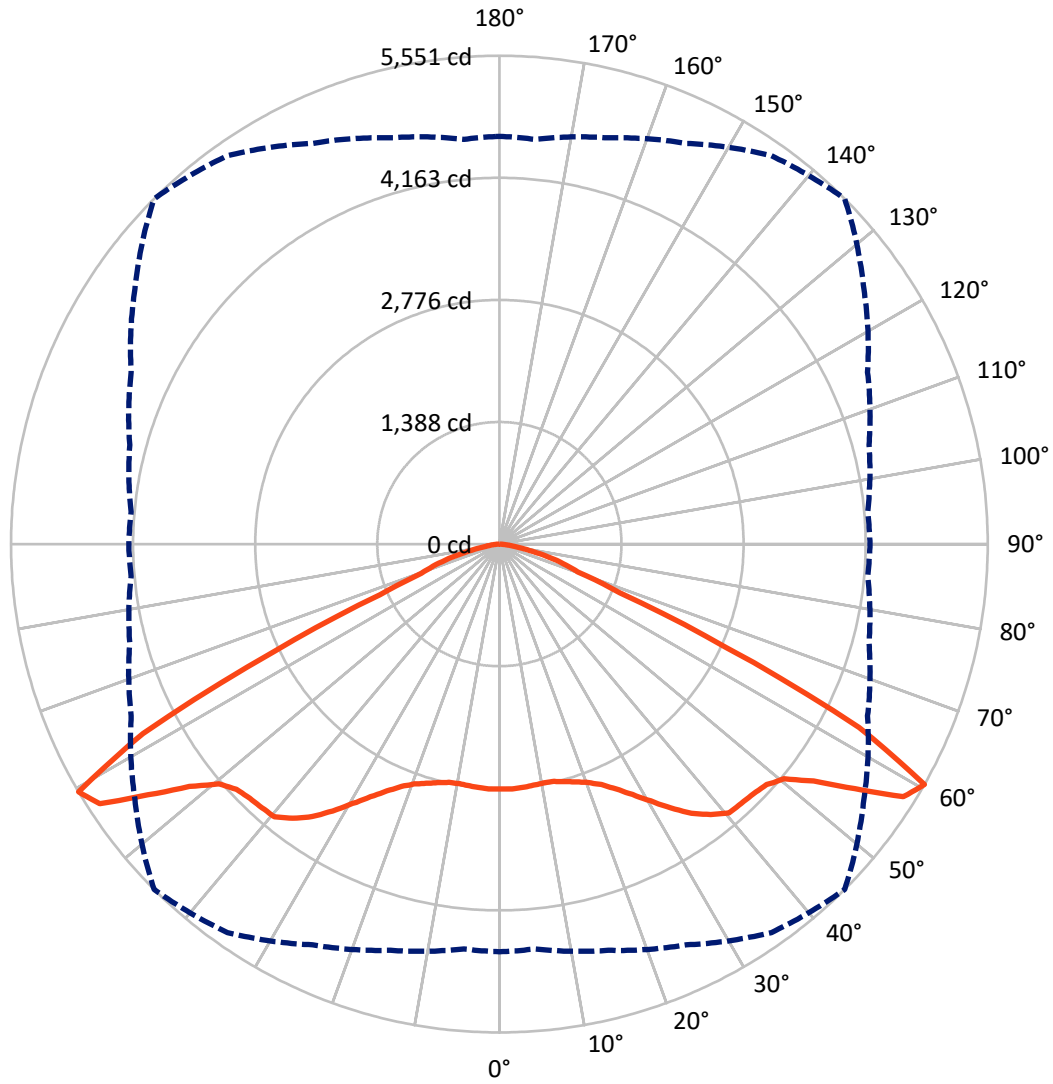
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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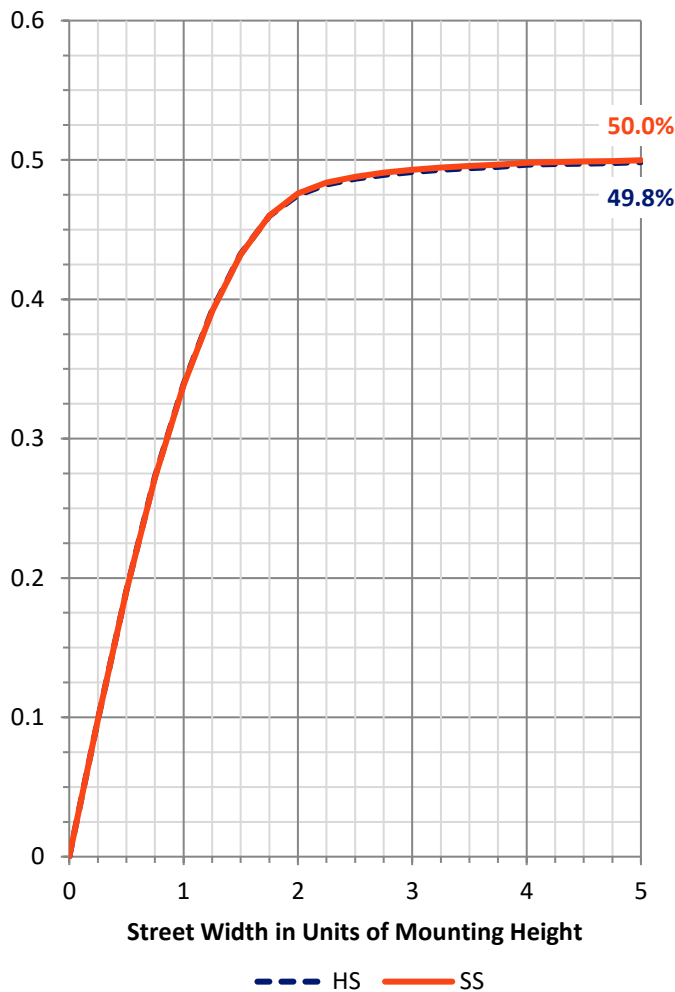
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7617.1	0.0	7617.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7617.1	0.0	7617.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15234.3	0.0	15234.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.0	1.7
10°-20°	794.2	5.2
20°-30°	1405.0	9.2
30°-40°	2262.1	14.8
40°-50°	3109.2	20.4
50°-60°	4143.3	27.2
60°-70°	2582.3	17.0
70°-80°	593.8	3.9
80°-90°	80.6	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°	15234.3	100.0
0°-180°	15234.3	100.0

**Coefficient of Utilization**



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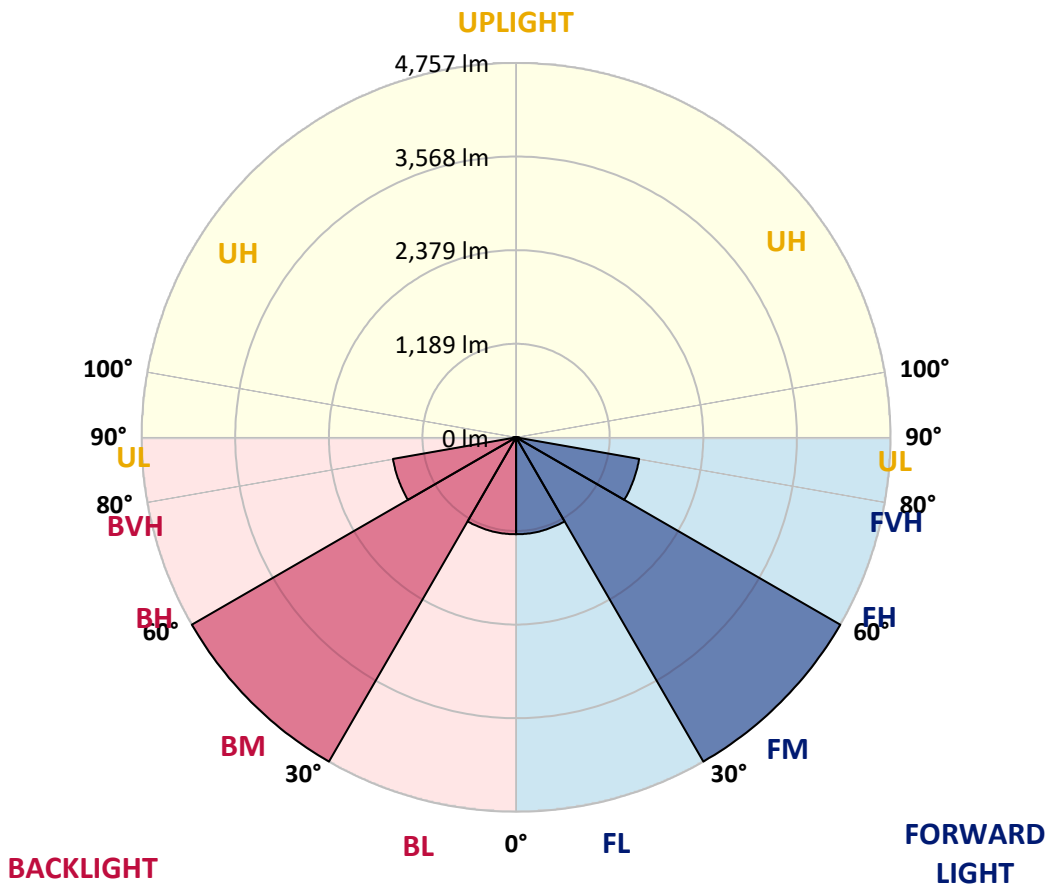
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.6	8.1			
FM (30°-60°)	4757.2	31.2			
FH (60°-80°)	1588.0	10.4			G1/1800
FVH (80°-90°)	40.3	0.3			G1/100
BL (0°-30°)	1231.6	8.1	B3/2500		
BM (30°-60°)	4757.2	31.2	B3/5000		
BH (60°-80°)	1588.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	40.3	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°	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0	2784.0
2.5°	2764.7	2767.2	2772.4	2776.3	2781.5	2786.6	2789.2	2784.0	2781.5	2771.1	2782.8
5°	2767.2	2769.8	2773.7	2773.7	2775.0	2778.9	2778.9	2772.4	2765.9	2754.3	2767.2
7.5°	2763.4	2765.9	2767.2	2765.9	2767.2	2768.5	2765.9	2758.2	2751.7	2741.4	2751.7
10°	2756.9	2759.5	2762.1	2759.5	2756.9	2760.8	2760.8	2755.6	2751.7	2741.4	2753.0
12.5°	2771.1	2775.0	2776.3	2769.8	2767.2	2768.5	2768.5	2763.4	2763.4	2754.3	2767.2
15°	2804.7	2807.3	2803.4	2795.7	2797.0	2800.9	2791.8	2778.9	2776.3	2772.4	2782.8
17.5°	2830.6	2833.2	2829.3	2824.1	2833.2	2842.2	2825.4	2800.9	2793.1	2790.5	2802.1
20°	2859.0	2862.9	2857.8	2864.2	2882.3	2892.7	2872.0	2838.4	2822.8	2819.0	2833.2
22.5°	2905.6	2910.8	2910.8	2925.0	2952.1	2969.0	2943.1	2897.8	2874.6	2868.1	2882.3
25°	2979.3	2983.2	2987.1	3015.5	3059.5	3082.8	3041.4	2979.3	2947.0	2936.6	2944.4
27.5°	3081.5	3087.9	3094.4	3135.8	3190.1	3223.7	3164.2	3086.6	3046.5	3025.9	3041.4
30°	3203.0	3212.1	3227.6	3274.1	3350.4	3387.9	3311.6	3217.2	3172.0	3150.0	3170.7
32.5°	3368.5	3369.8	3381.5	3433.2	3534.0	3576.7	3481.0	3376.3	3329.7	3303.9	3315.5
35°	3565.1	3566.4	3548.3	3601.3	3709.9	3757.8	3645.3	3539.2	3500.4	3492.7	3522.4
37.5°	3766.8	3755.2	3737.1	3760.3	3870.3	3901.3	3782.3	3691.8	3675.0	3689.2	3733.2
40°	3910.3	3890.9	3854.7	3871.5	3982.8	4019.0	3892.2	3806.9	3801.7	3836.6	3889.6
42.5°	4003.4	3982.8	3940.1	3940.1	4016.4	4031.9	3933.6	3888.4	3900.0	3940.1	3990.5
45°	4048.7	4037.1	4012.5	3999.6	4042.2	4048.7	3973.7	3955.6	3977.6	3997.0	4035.8
47.5°	4083.6	4083.6	4075.9	4062.9	4082.3	4086.2	4030.6	4025.4	4053.9	4053.9	4079.7
50°	4145.7	4152.1	4162.5	4159.9	4180.6	4193.5	4152.1	4144.4	4156.0	4118.5	4131.5
52.5°	4308.6	4325.4	4355.2	4378.4	4431.5	4471.5	4397.8	4335.8	4275.0	4192.2	4194.8
55°	4600.9	4608.6	4666.8	4735.3	4824.6	4906.0	4754.7	4562.1	4430.2	4333.2	4334.5
57.5°	4847.8	4859.5	4944.8	5088.4	5288.8	5415.5	5080.6	4758.6	4572.4	4453.4	4457.3
60°	4634.5	4619.0	4780.6	5026.3	5389.6	5551.3	5057.3	4617.7	4350.0	4202.6	4212.9
62.5°	3585.8	3556.0	3735.8	3993.1	4428.9	4590.5	4135.3	3713.8	3460.3	3345.3	3328.4
65°	2182.8	2155.6	2284.9	2442.7	2737.5	2839.6	2631.5	2407.8	2186.6	2116.8	2097.4
67.5°	1188.4	1184.5	1219.4	1297.0	1426.3	1474.1	1434.0	1328.0	1271.1	1222.0	1222.0
70°	942.7	934.9	928.4	929.7	941.4	947.8	949.1	944.0	950.4	951.7	946.5
72.5°	781.0	778.4	765.5	766.8	761.6	759.1	768.1	773.3	783.6	784.9	784.9
75°	566.4	559.9	566.4	567.7	562.5	562.5	569.0	567.7	572.8	575.4	561.2
77.5°	322.0	322.0	331.0	341.4	349.1	349.1	355.6	355.6	362.1	360.8	358.2
80°	177.2	177.2	182.3	188.8	196.6	204.3	210.8	212.1	215.9	214.7	210.8
82.5°	100.9	102.2	104.7	108.6	116.4	122.8	129.3	130.6	134.5	134.5	130.6
85°	47.8	46.6	47.8	50.4	54.3	59.5	65.9	69.8	72.4	72.4	69.8
87.5°	9.1	10.3	9.1	10.3	11.6	15.5	18.1	20.7	24.6	25.9	23.3
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)