

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: P640986

Luminaire Tested: GWS-SA5F-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

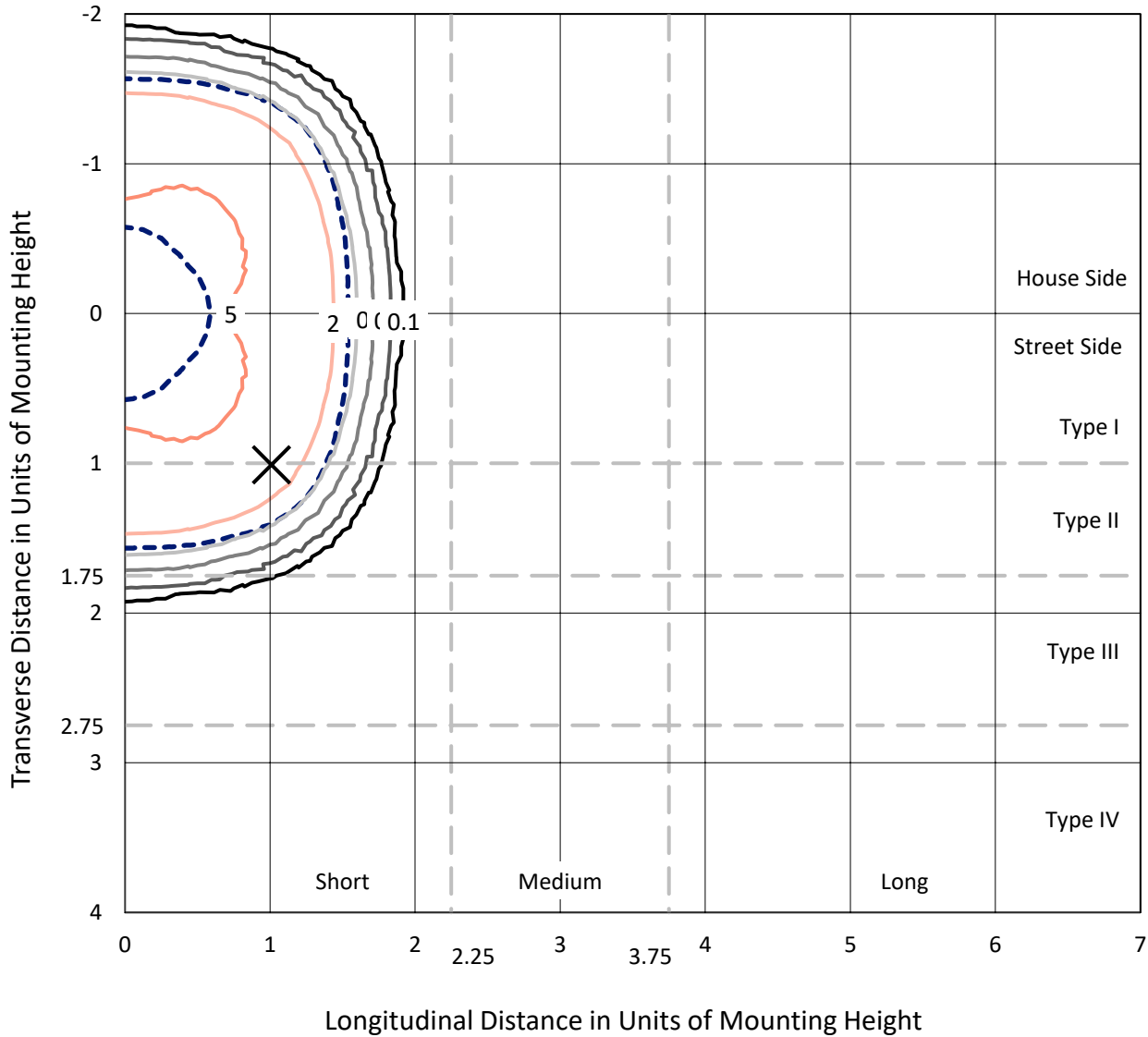
Lumens per Lamp: N/A  
Luminaire Lumens: 21634.2 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

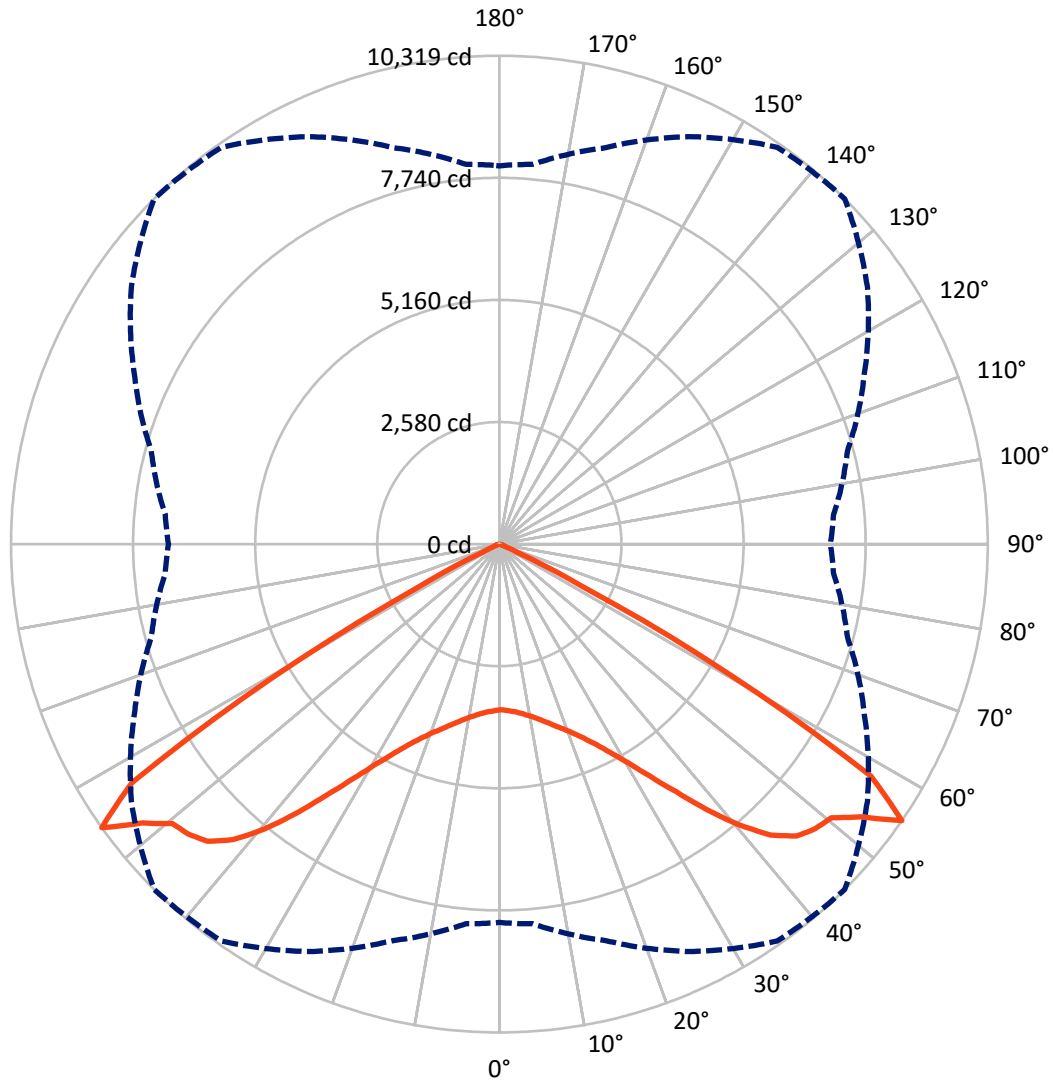
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10817.1	0.0	10817.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10817.1	0.0	10817.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21634.2	0.0	21634.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.7	1.6
10°-20°	1110.9	5.1
20°-30°	2151.4	9.9
30°-40°	3854.4	17.8
40°-50°	6462.2	29.9
50°-60°	6917.4	32.0
60°-70°	760.1	3.5
70°-80°	33.5	0.2
80°-90°	1.6	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°	21634.2	100.0
0°-180°	21634.2	100.0

**Coefficient of Utilization**



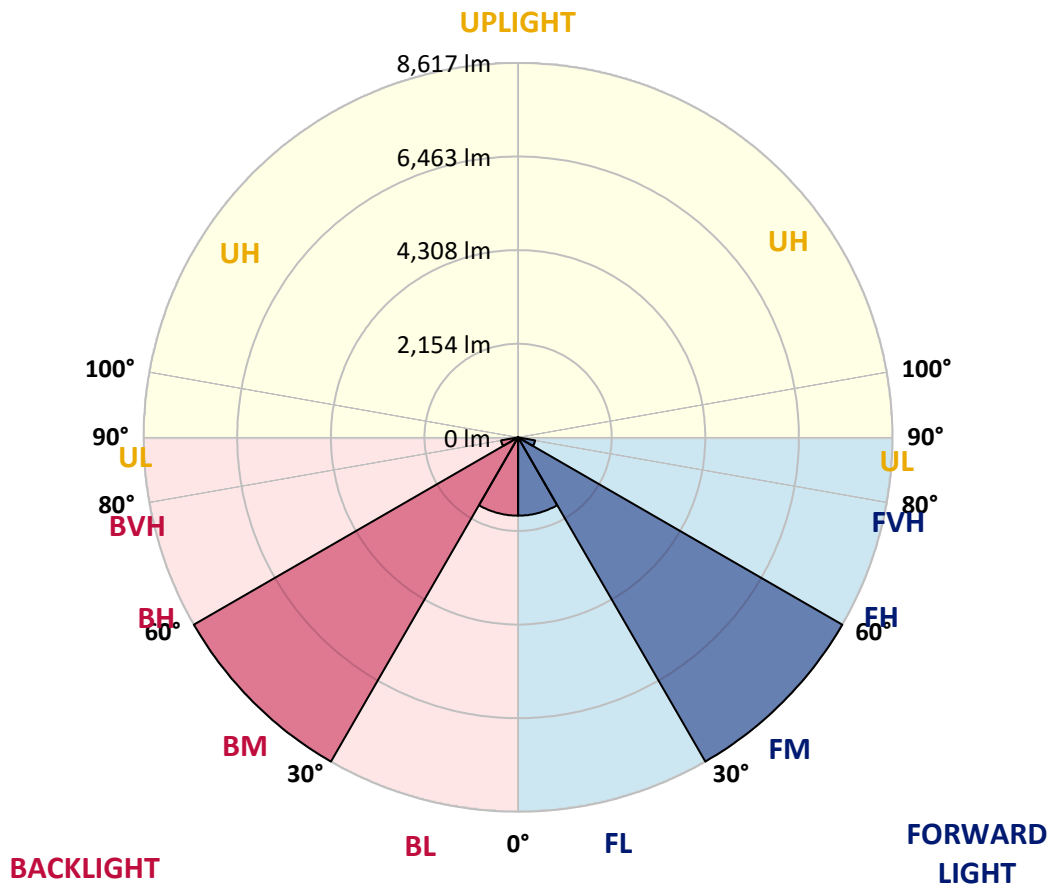
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1802.5	8.3			
FM (30°-60°)	8617.0	39.8			
FH (60°-80°)	396.8	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1802.5	8.3	B3/2500		
BM (30°-60°)	8617.0	39.8	B5		
BH (60°-80°)	396.8	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8	3497.8
2.5°	3491.2	3491.2	3500.0	3506.6	3506.6	3524.3	3517.7	3511.1	3511.1	3502.2	3519.9
5°	3541.9	3539.7	3548.5	3552.9	3544.1	3561.8	3550.7	3544.1	3539.7	3530.9	3548.5
7.5°	3597.0	3599.2	3601.4	3610.2	3605.8	3623.5	3614.6	3601.4	3597.0	3583.8	3601.4
10°	3663.1	3663.1	3667.5	3678.6	3680.8	3702.8	3694.0	3678.6	3665.3	3652.1	3669.7
12.5°	3746.9	3749.1	3755.7	3771.1	3780.0	3804.2	3791.0	3760.1	3740.3	3724.9	3744.7
15°	3868.1	3865.9	3874.7	3896.8	3907.8	3925.4	3905.6	3863.7	3839.5	3821.8	3835.1
17.5°	4000.4	4000.4	4004.8	4026.8	4042.2	4068.7	4044.4	3993.7	3971.7	3947.5	3960.7
20°	4145.8	4152.4	4156.8	4172.3	4198.7	4225.2	4205.3	4154.6	4130.4	4099.5	4115.0
22.5°	4337.6	4331.0	4333.2	4359.6	4397.1	4423.5	4408.1	4348.6	4306.7	4282.5	4291.3
25°	4551.4	4549.2	4555.8	4595.5	4637.3	4666.0	4643.9	4566.8	4524.9	4483.0	4500.7
27.5°	4813.7	4815.9	4820.3	4868.8	4934.9	4976.8	4921.7	4844.5	4787.2	4732.1	4745.3
30°	5124.4	5120.0	5133.2	5199.4	5296.3	5362.5	5298.5	5190.5	5109.0	5056.1	5062.7
32.5°	5455.0	5459.4	5494.7	5600.5	5728.3	5845.2	5715.1	5571.8	5466.1	5366.9	5380.1
35°	5812.1	5823.1	5902.5	6058.9	6268.3	6424.8	6244.1	6008.3	5858.4	5730.5	5734.9
37.5°	6233.1	6259.5	6369.7	6603.3	6903.1	7112.5	6848.0	6535.0	6341.1	6182.4	6171.4
40°	6786.3	6817.1	6967.0	7244.7	7608.4	7800.1	7493.8	7172.0	6931.7	6759.8	6733.4
42.5°	7421.0	7460.7	7623.8	7908.1	8271.8	8401.9	8102.1	7831.0	7615.0	7412.2	7403.4
45°	8137.4	8159.4	8291.6	8509.9	8772.1	8803.0	8578.2	8428.3	8210.1	8020.6	8005.1
47.5°	8809.6	8831.6	8922.0	9034.4	9096.1	8985.9	8946.3	8880.1	8598.0	8364.4	8315.9
50°	9320.9	9338.6	9451.0	9495.1	9323.1	9089.5	9166.7	9025.6	8719.2	8457.0	8382.0
52.5°	9285.7	9329.8	9618.5	9869.8	9761.8	9572.2	9365.0	9060.9	8584.8	8225.5	8133.0
55°	7994.1	8053.6	8673.0	9499.5	10237.8	10319.4	9490.7	8509.9	7615.0	7088.2	6993.5
57.5°	5137.6	5153.1	5909.1	7068.4	8732.5	9257.0	7870.7	6416.0	5303.0	4723.3	4683.6
60°	1888.9	1858.0	2428.9	3389.8	5029.7	5585.1	4632.9	3244.4	2314.3	1904.3	1871.2
62.5°	454.0	458.4	568.6	853.0	1578.1	1952.8	1542.8	861.8	548.8	460.6	456.2
65°	229.2	224.8	227.0	244.6	337.2	403.3	330.6	233.6	224.8	227.0	224.8
67.5°	147.7	145.5	149.9	152.1	149.9	141.1	138.9	143.3	143.3	145.5	141.1
70°	90.4	88.2	92.6	99.2	94.8	83.8	88.2	92.6	88.2	86.0	86.0
72.5°	48.5	48.5	52.9	57.3	52.9	48.5	48.5	50.7	48.5	48.5	48.5
75°	22.0	22.0	24.2	26.4	22.0	22.0	22.0	22.0	22.0	22.0	22.0
77.5°	6.6	6.6	8.8	8.8	6.6	6.6	6.6	6.6	8.8	8.8	8.8
80°	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2	4.4	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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)