

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: P636367

Luminaire Tested: GWS-SA3F-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636367  
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-SA3F-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**

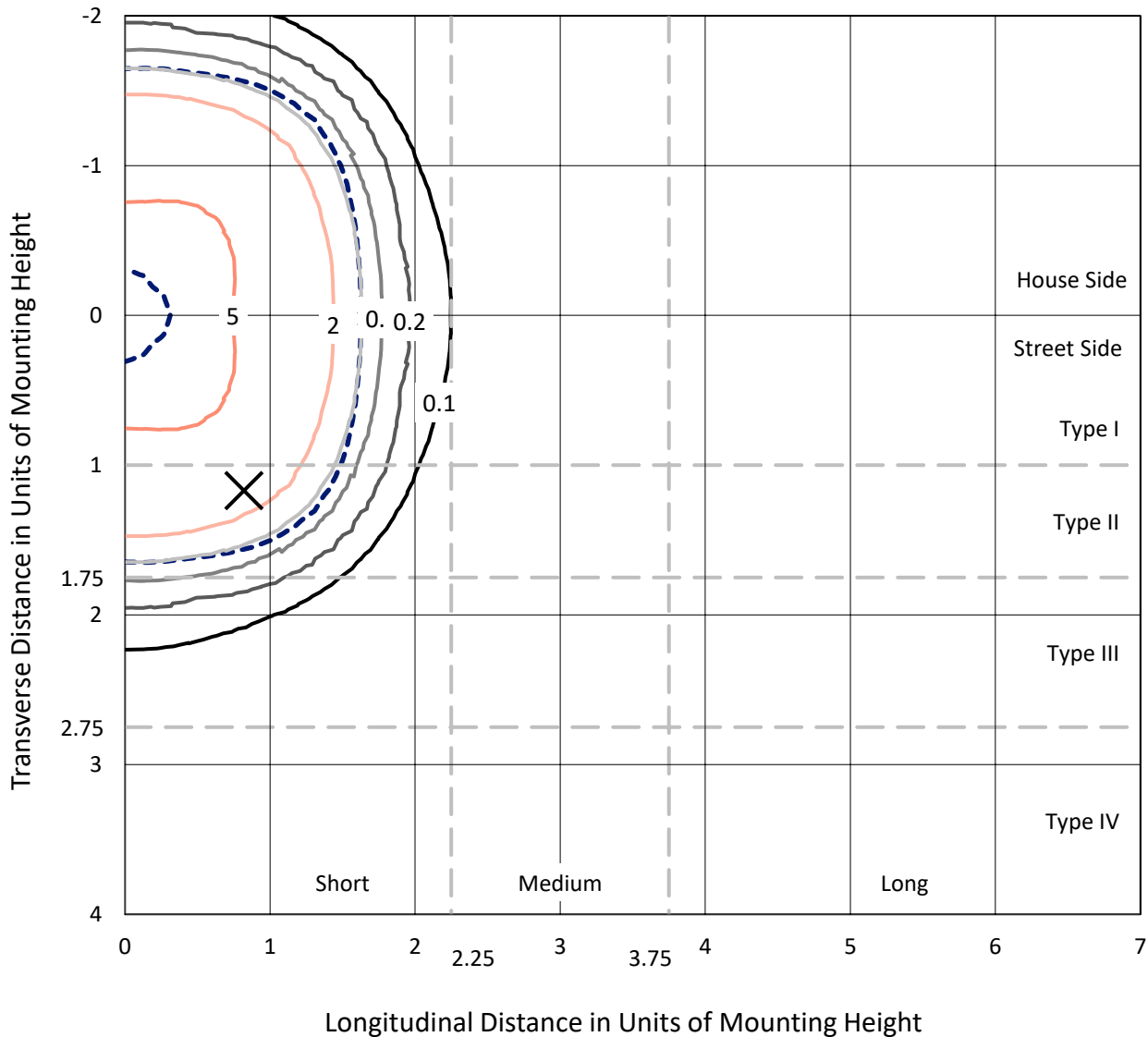
Lumens per Lamp: N/A  
Luminaire Lumens: 22363 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

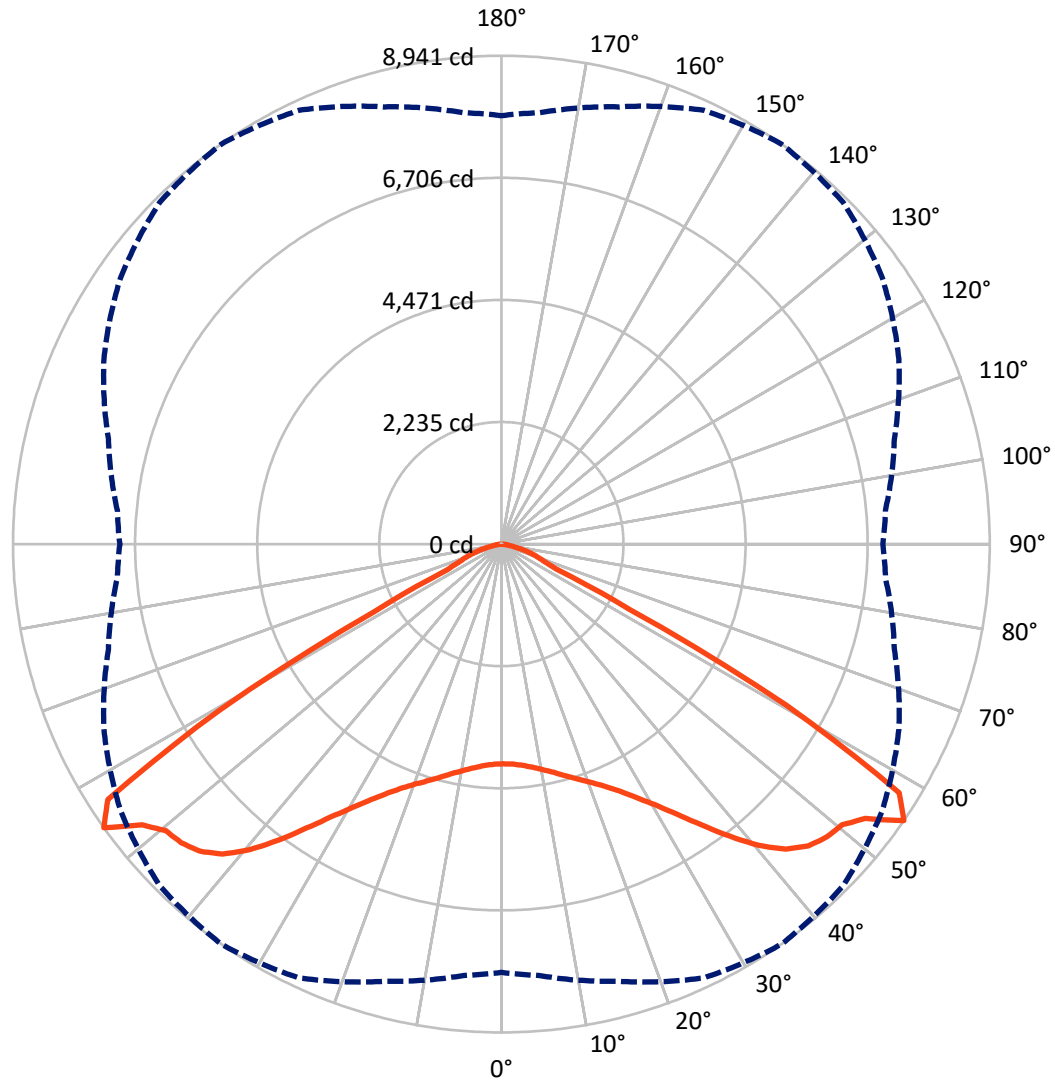
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	11181.5	0.0	11181.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11181.5	0.0	11181.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22363.0	0.0	22363.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.4	1.8
10°-20°	1249.3	5.6
20°-30°	2312.3	10.3
30°-40°	3868.0	17.3
40°-50°	5894.2	26.4
50°-60°	6602.7	29.5
60°-70°	1562.3	7.0
70°-80°	421.2	1.9
80°-90°	60.6	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°	22363.0	100.0
0°-180°	22363.0	100.0

**Coefficient of Utilization**



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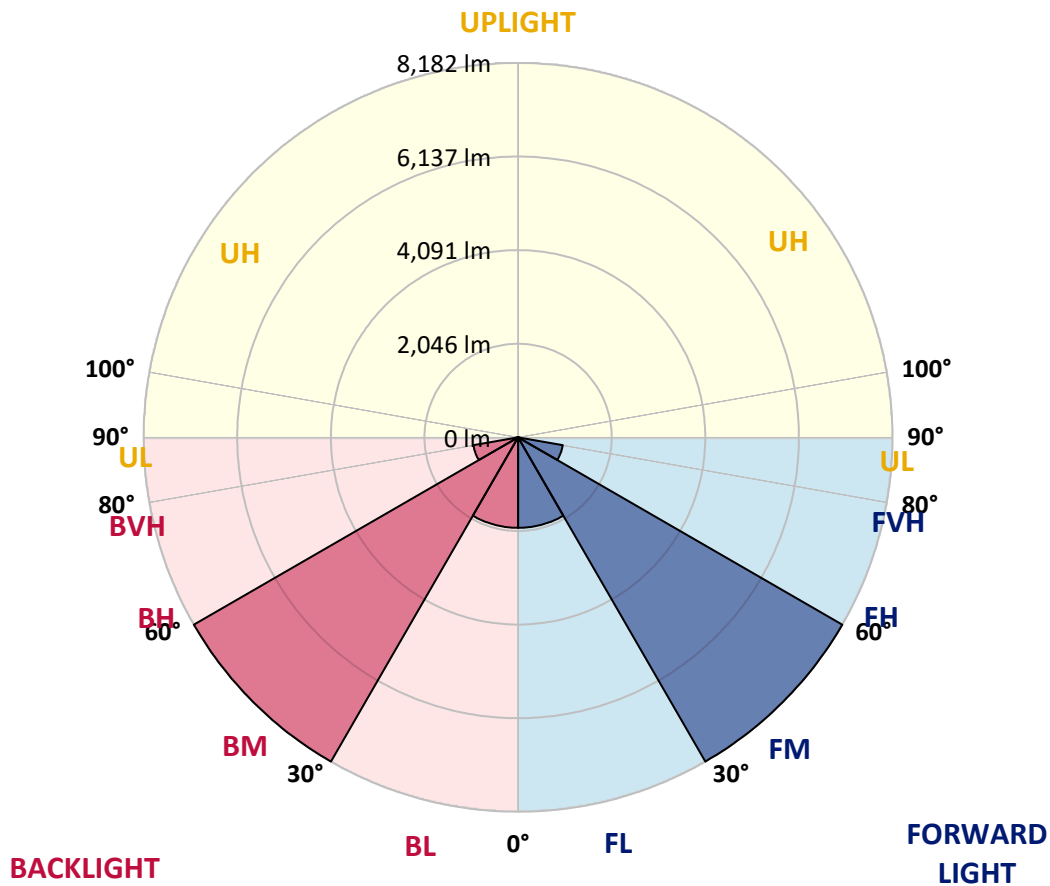
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1977.0	8.8			
FM (30°-60°)	8182.4	36.6			
FH (60°-80°)	991.7	4.4			G1/1800
FVH (80°-90°)	30.3	0.1			G1/100
BL (0°-30°)	1977.0	8.8	B3/2500		
BM (30°-60°)	8182.4	36.6	B4/8500		
BH (60°-80°)	991.7	4.4	B2/1000		G1/1800
BVH (80°-90°)	30.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2	4023.2
2.5°	4014.3	4014.3	4021.4	4030.2	4032.0	4049.7	4046.2	4039.1	4035.5	4028.5	4044.4
5°	4058.5	4060.3	4065.6	4070.9	4067.4	4081.5	4076.2	4067.4	4062.1	4053.2	4069.1
7.5°	4116.9	4116.9	4122.2	4129.3	4125.7	4147.0	4136.3	4124.0	4115.1	4104.5	4118.7
10°	4169.9	4173.5	4178.8	4192.9	4200.0	4223.0	4215.9	4198.2	4184.1	4171.7	4187.6
12.5°	4249.5	4253.1	4258.4	4277.8	4290.2	4313.2	4302.6	4277.8	4256.6	4238.9	4256.6
15°	4352.1	4348.6	4362.7	4387.5	4403.4	4424.6	4412.2	4369.8	4341.5	4318.5	4336.2
17.5°	4456.4	4454.7	4468.8	4500.6	4523.6	4551.9	4530.7	4481.2	4451.1	4422.8	4440.5
20°	4569.6	4574.9	4589.1	4619.1	4652.7	4689.9	4672.2	4619.1	4585.5	4553.7	4567.8
22.5°	4709.3	4711.1	4727.0	4765.9	4810.1	4845.5	4834.9	4769.4	4727.0	4693.4	4711.1
25°	4877.3	4875.5	4896.8	4942.7	5004.6	5040.0	5017.0	4944.5	4898.5	4859.6	4873.8
27.5°	5070.1	5068.3	5100.1	5160.3	5248.7	5298.2	5250.4	5160.3	5096.6	5041.8	5054.2
30°	5312.3	5307.0	5342.4	5423.8	5538.7	5621.8	5551.1	5425.5	5342.4	5284.0	5296.4
32.5°	5581.1	5588.2	5632.4	5742.1	5887.1	5995.0	5888.9	5749.1	5637.7	5552.9	5567.0
35°	5876.5	5876.5	5966.7	6102.8	6309.7	6453.0	6288.5	6086.9	5938.4	5821.7	5825.2
37.5°	6205.4	6208.9	6327.4	6514.9	6785.4	6953.4	6730.6	6481.3	6300.9	6175.3	6168.3
40°	6606.8	6617.4	6739.5	6948.1	7252.3	7406.2	7167.4	6923.4	6739.5	6590.9	6576.8
42.5°	7059.5	7063.1	7192.2	7379.6	7636.1	7728.0	7540.6	7340.7	7190.4	7056.0	7041.9
45°	7491.0	7482.2	7593.6	7733.3	7881.9	7890.7	7786.4	7705.0	7574.2	7459.2	7438.0
47.5°	7827.0	7820.0	7920.8	7996.8	8014.5	7927.8	7961.4	7973.8	7821.7	7666.1	7625.4
50°	8032.2	8046.3	8141.8	8184.3	8079.9	7938.5	8065.8	8033.9	7816.4	7613.1	7547.6
52.5°	8156.0	8177.2	8343.4	8451.3	8343.4	8209.0	8226.7	8039.3	7726.2	7457.4	7372.6
55°	7843.0	7927.8	8286.8	8764.3	8941.1	8847.4	8511.4	8028.6	7448.6	7057.8	6985.3
57.5°	5812.8	5947.2	6479.5	7514.0	8589.2	8930.5	7949.1	6730.6	5851.7	5349.5	5307.0
60°	2967.4	3117.7	3543.9	4606.7	5989.7	6470.7	5536.9	4309.6	3425.4	3018.7	2972.7
62.5°	1211.4	1236.1	1375.8	1786.1	2647.3	3054.1	2682.7	1883.4	1414.7	1303.3	1305.1
65°	953.2	958.5	951.4	976.2	1108.8	1230.8	1137.1	999.2	974.4	986.8	977.9
67.5°	831.2	832.9	827.6	827.6	832.9	827.6	838.2	843.5	847.1	861.2	852.4
70°	695.0	696.8	696.8	700.3	698.5	689.7	705.6	712.7	714.4	723.3	718.0
72.5°	537.6	542.9	546.4	548.2	546.4	541.1	550.0	562.4	560.6	569.4	560.6
75°	364.3	371.4	374.9	382.0	380.2	380.2	390.8	396.1	390.8	397.9	390.8
77.5°	206.9	212.2	222.8	229.9	237.0	242.3	249.3	252.9	251.1	254.7	251.1
80°	120.3	122.0	130.9	134.4	143.2	152.1	159.2	162.7	164.5	166.2	164.5
82.5°	69.0	70.7	74.3	77.8	84.9	92.0	99.0	104.3	104.3	106.1	104.3
85°	33.6	33.6	35.4	37.1	40.7	46.0	51.3	56.6	58.4	58.4	58.4
87.5°	5.3	5.3	7.1	7.1	8.8	10.6	14.1	17.7	19.5	19.5	19.5
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)