

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: P636368

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

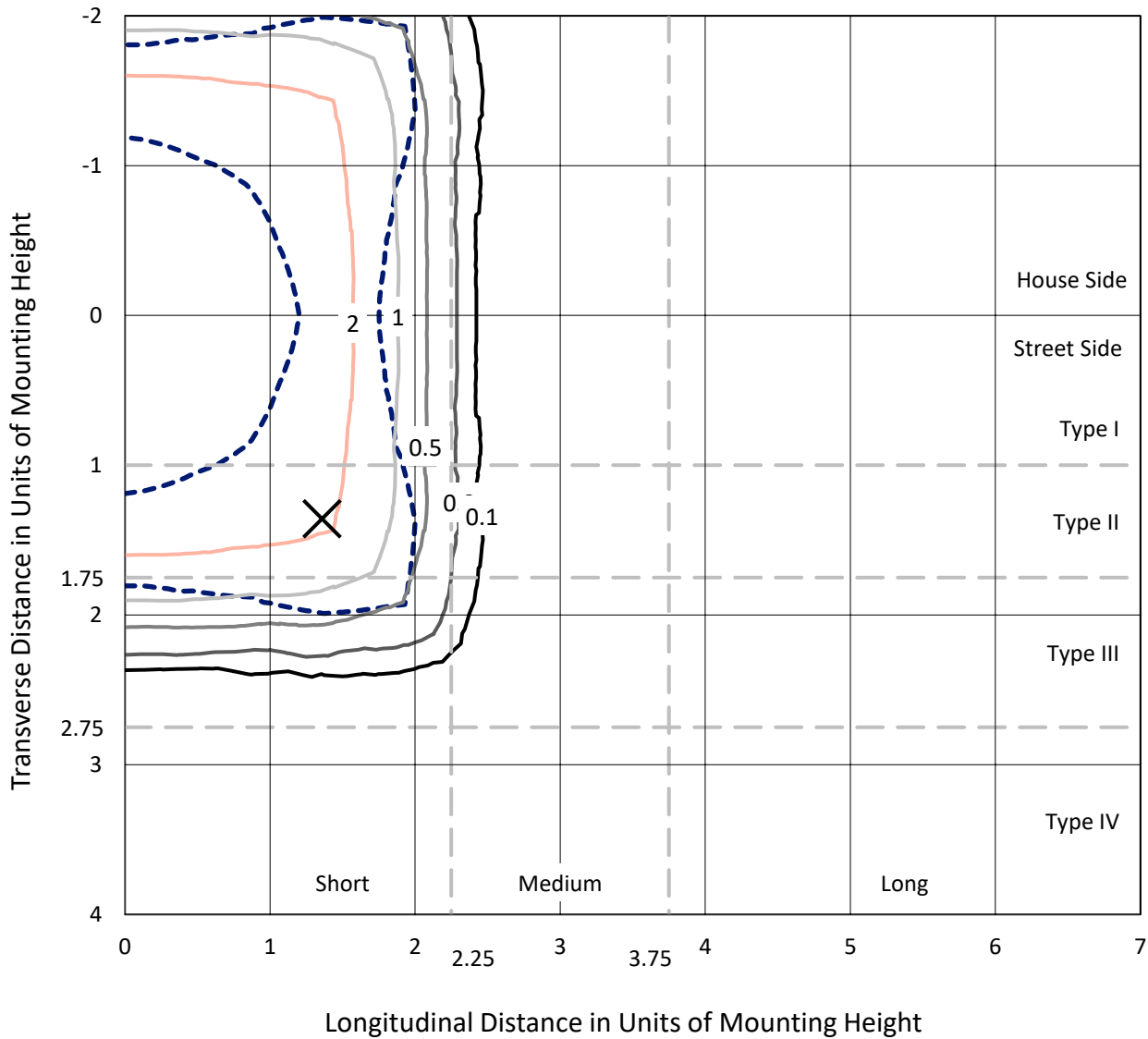
Lumens per Lamp: N/A  
Luminaire Lumens: 25783.1 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

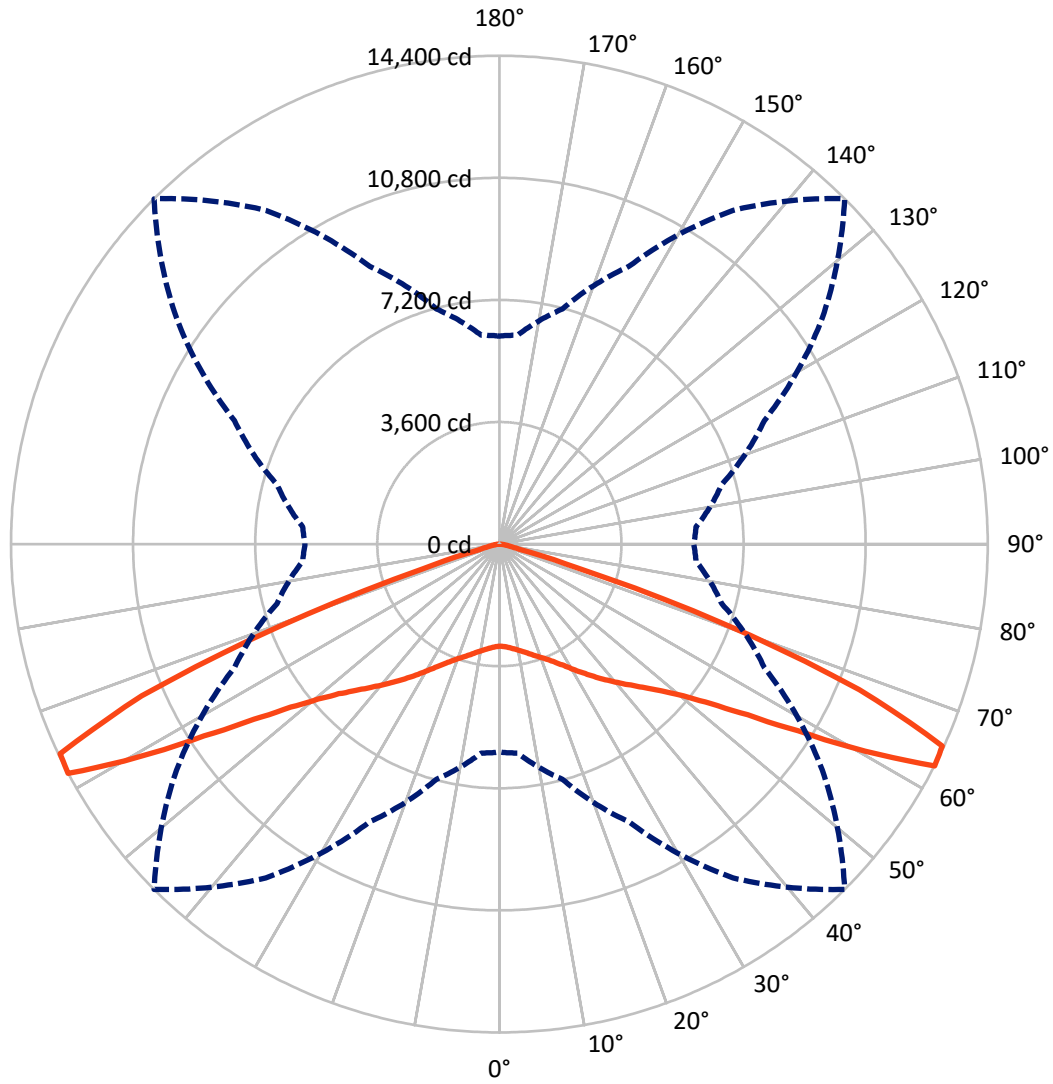
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12891.6	0.0	12891.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12891.6	0.0	12891.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25783.1	0.0	25783.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.1	1.1
10°-20°	951.7	3.7
20°-30°	1800.5	7.0
30°-40°	3030.6	11.8
40°-50°	4841.9	18.8
50°-60°	7804.9	30.3
60°-70°	6368.0	24.7
70°-80°	618.4	2.4
80°-90°	72.0	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°	25783.1	100.0
0°-180°	25783.1	100.0

**Coefficient of Utilization**



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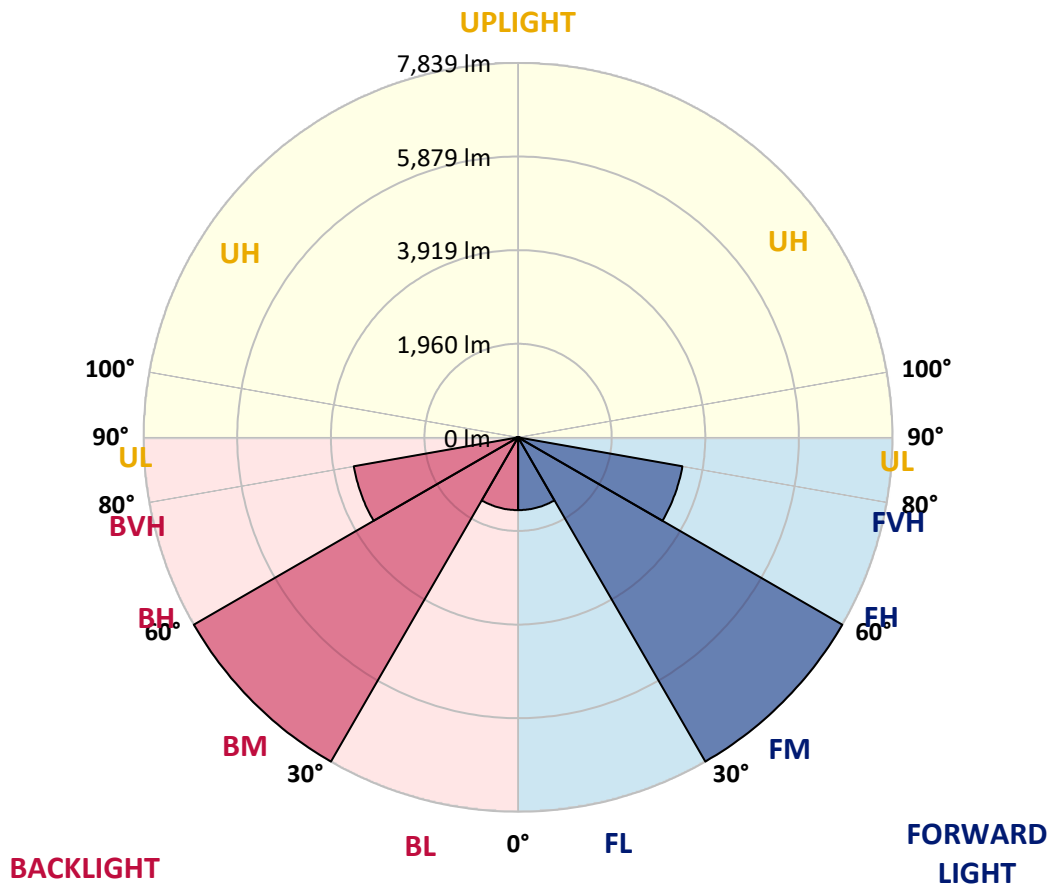
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.7	5.9			
FM (30°-60°)	7838.7	30.4			
FH (60°-80°)	3493.2	13.5			G2/5000
FVH (80°-90°)	36.0	0.1			G1/100
BL (0°-30°)	1523.7	5.9	B3/2500		
BM (30°-60°)	7838.7	30.4	B4/8500		
BH (60°-80°)	3493.2	13.5	B4/5000		G2/5000
BVH (80°-90°)	36.0	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9	3007.9
2.5°	3004.4	3004.4	3011.5	3016.8	3013.3	3027.4	3025.6	3022.1	3020.3	3015.0	3030.9
5°	3045.1	3045.1	3050.4	3055.7	3046.8	3064.5	3057.5	3053.9	3052.2	3045.1	3059.2
7.5°	3091.1	3096.4	3098.1	3107.0	3101.7	3121.1	3115.8	3108.7	3105.2	3096.4	3108.7
10°	3142.3	3145.9	3147.6	3163.6	3165.3	3188.3	3183.0	3174.2	3167.1	3158.3	3175.9
12.5°	3211.3	3213.1	3218.4	3237.8	3243.1	3260.8	3259.1	3246.7	3237.8	3225.5	3244.9
15°	3299.7	3301.5	3310.3	3329.8	3338.6	3359.8	3352.8	3333.3	3320.9	3306.8	3322.7
17.5°	3391.7	3398.7	3407.6	3427.0	3439.4	3464.2	3455.3	3434.1	3423.5	3409.4	3420.0
20°	3510.2	3511.9	3517.2	3538.4	3547.3	3575.6	3577.4	3556.1	3550.8	3536.7	3552.6
22.5°	3641.0	3642.8	3648.1	3671.1	3687.0	3704.7	3715.3	3702.9	3694.1	3676.4	3695.8
25°	3786.0	3803.7	3809.0	3837.3	3855.0	3865.6	3878.0	3872.7	3860.3	3839.1	3847.9
27.5°	3989.4	3992.9	4001.8	4033.6	4044.2	4054.8	4067.2	4069.0	4051.3	4026.5	4038.9
30°	4221.0	4219.3	4238.7	4263.5	4272.3	4281.2	4298.8	4309.4	4286.5	4259.9	4272.3
32.5°	4458.0	4479.2	4504.0	4527.0	4521.6	4525.2	4553.5	4572.9	4541.1	4493.4	4504.0
35°	4725.0	4739.2	4771.0	4804.6	4797.5	4792.2	4809.9	4829.3	4785.1	4723.2	4739.2
37.5°	4999.1	5020.3	5068.1	5108.7	5098.1	5073.4	5092.8	5114.0	5071.6	5000.9	4993.8
40°	5305.0	5338.6	5407.6	5441.2	5412.9	5365.1	5398.7	5450.0	5407.6	5326.2	5306.8
42.5°	5664.0	5704.7	5773.6	5824.9	5763.0	5685.2	5741.8	5816.1	5805.5	5697.6	5664.0
45°	6107.8	6134.4	6219.3	6244.0	6152.1	6044.2	6146.7	6259.9	6233.4	6116.7	6072.5
47.5°	6590.6	6631.3	6705.5	6751.5	6603.0	6468.6	6611.8	6763.9	6735.6	6626.0	6574.7
50°	7206.0	7259.0	7356.3	7395.2	7190.1	7036.2	7220.1	7412.9	7358.1	7211.3	7144.1
52.5°	7876.2	7918.6	8084.9	8162.7	7969.9	7803.7	7964.6	8153.8	8037.1	7842.6	7752.4
55°	8466.8	8509.3	8753.3	9011.5	9002.6	8887.7	8969.0	8972.6	8656.0	8334.2	8238.7
57.5°	8594.1	8636.6	9101.6	9777.2	10254.6	10387.2	10148.5	9646.3	8848.8	8284.7	8176.8
60°	7915.1	7962.8	8702.0	9936.3	11506.6	12392.5	11292.6	9632.1	8252.8	7488.9	7386.4
62.5°	6132.6	6183.9	7177.7	9030.9	12012.3	14399.6	11625.1	8618.9	6788.7	5821.4	5731.2
65°	2928.4	2928.4	4191.0	6477.4	11004.4	14351.8	10663.1	6376.6	4086.6	3138.8	3061.0
67.5°	725.0	728.6	1078.7	2521.7	7485.4	11453.5	7607.4	3061.0	1439.4	1018.6	992.0
70°	452.7	450.9	500.4	682.6	2618.9	6951.3	3110.5	923.1	585.3	516.4	512.8
72.5°	351.9	351.9	376.7	436.8	686.1	2367.8	907.2	512.8	424.4	382.0	382.0
75°	277.6	277.6	295.3	327.1	404.9	610.1	482.8	380.2	328.9	300.6	297.1
77.5°	206.9	210.4	224.6	245.8	275.9	343.1	305.9	286.5	256.4	235.2	228.1
80°	134.4	139.7	157.4	169.8	180.4	226.3	199.8	208.7	194.5	169.8	166.2
82.5°	72.5	74.3	95.5	99.0	102.6	123.8	127.3	132.6	137.9	107.9	100.8
85°	26.5	26.5	31.8	37.1	40.7	44.2	60.1	74.3	77.8	61.9	60.1
87.5°	5.3	5.3	5.3	3.5	3.5	3.5	10.6	19.5	31.8	24.8	24.8
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)