

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: P643460

Luminaire Tested: GWS-SA6F-722-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-722-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

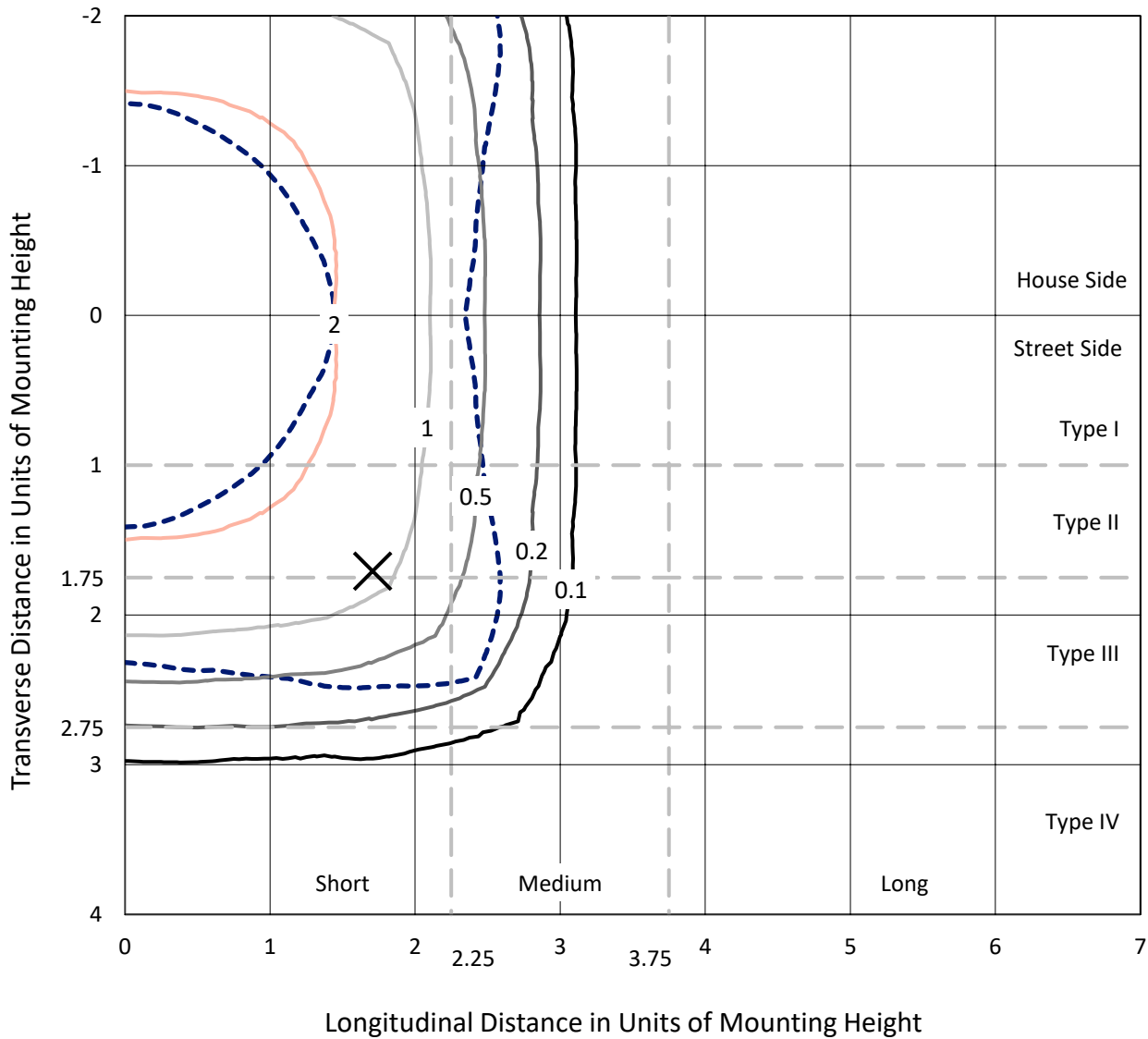
Lumens per Lamp: N/A  
Luminaire Lumens: 37965.2 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

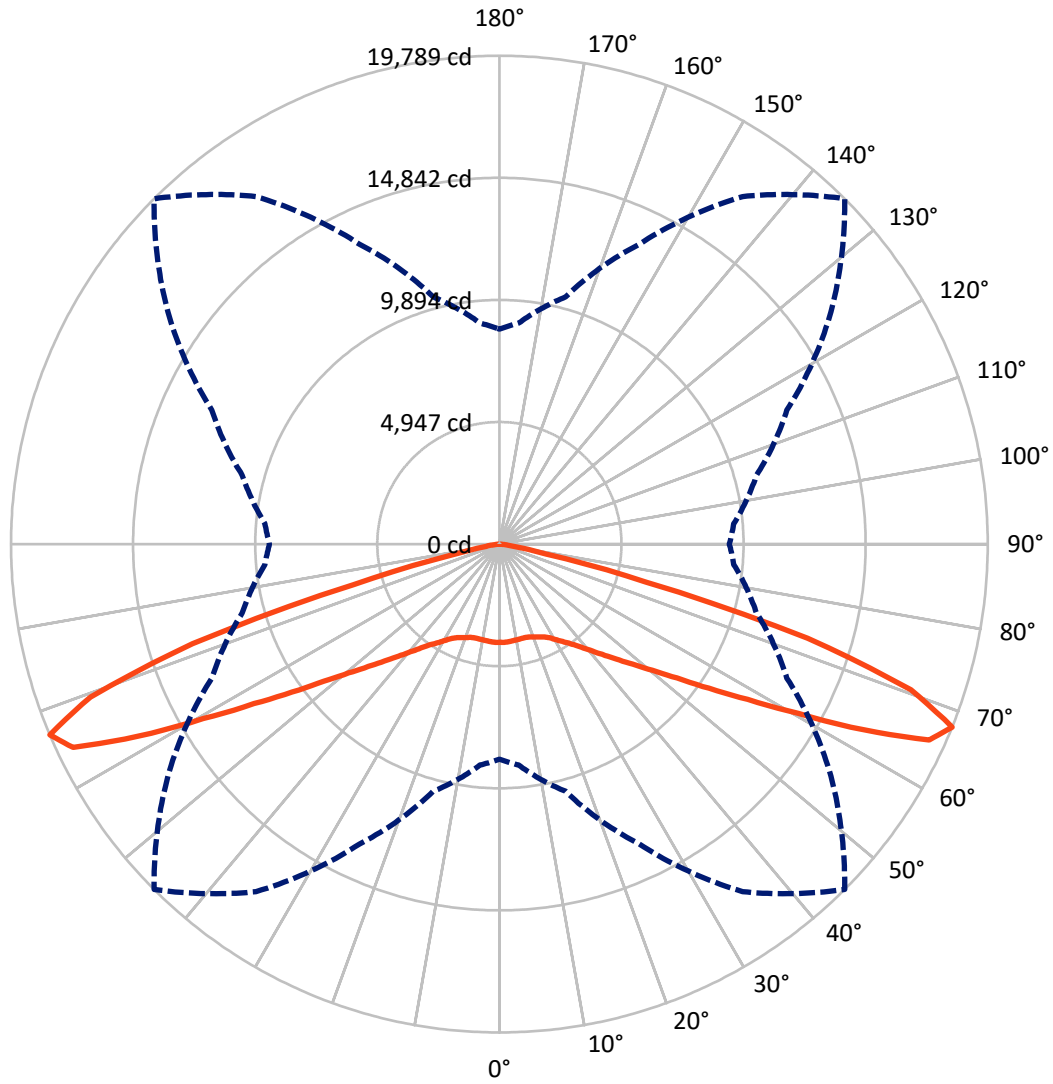
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18982.6	0.0	18982.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18982.6	0.0	18982.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37965.2	0.0	37965.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.3	1.0
10°-20°	1105.3	2.9
20°-30°	1906.4	5.0
30°-40°	3099.8	8.2
40°-50°	5219.5	13.7
50°-60°	9247.9	24.4
60°-70°	13219.3	34.8
70°-80°	3628.1	9.6
80°-90°	162.5	0.4
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°	37965.2	100.0
0°-180°	37965.2	100.0

**Coefficient of Utilization**



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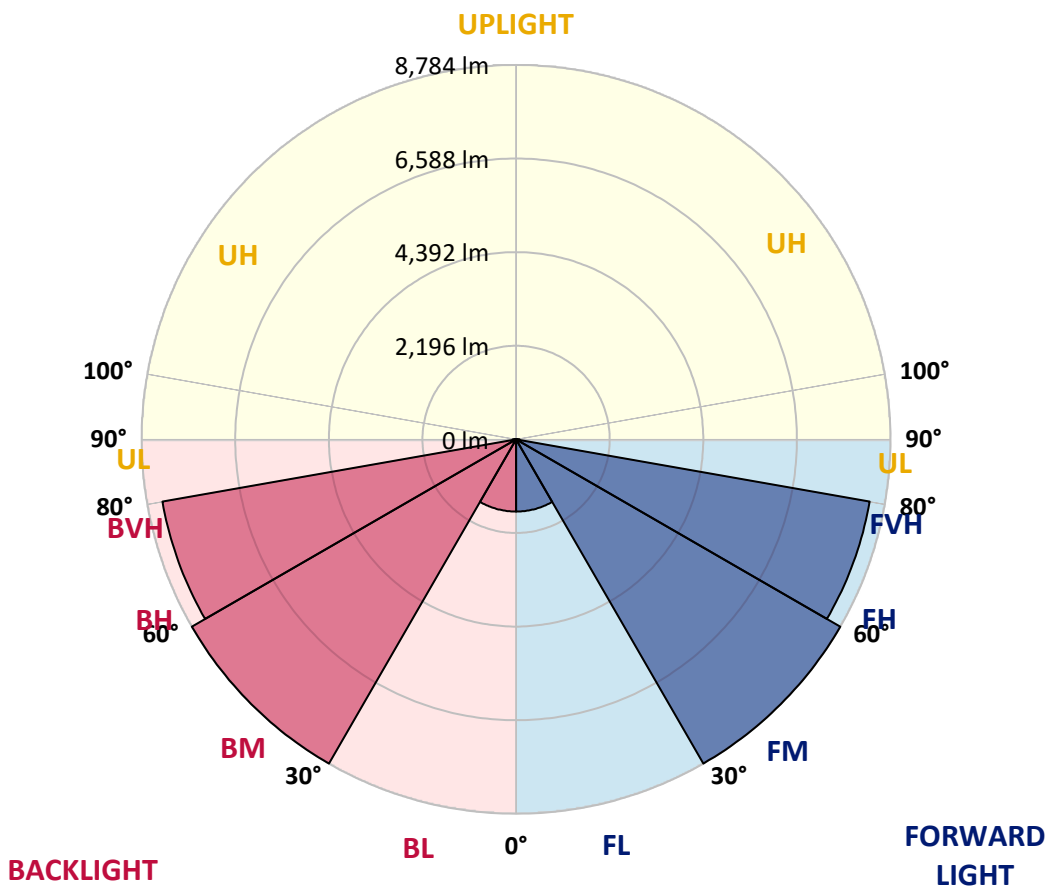
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1694.0	4.5			
FM (30°-60°)	8783.6	23.1			
FH (60°-80°)	8423.7	22.2			G4/12000
FVH (80°-90°)	81.3	0.2			G1/100
BL (0°-30°)	1694.0	4.5	B3/2500		
BM (30°-60°)	8783.6	23.1	B5		
BH (60°-80°)	8423.7	22.2	B5		G4/12000
BVH (80°-90°)	81.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2	3976.2
2.5°	3949.9	3947.3	3960.4	3968.3	3965.7	3984.1	3981.4	3976.2	3976.2	3968.3	3989.3
5°	3949.9	3947.3	3957.8	3960.4	3955.2	3970.9	3965.7	3960.4	3960.4	3949.9	3968.3
7.5°	3928.9	3931.5	3939.4	3944.6	3939.4	3952.5	3944.6	3934.1	3931.5	3921.0	3939.4
10°	3889.5	3892.1	3900.0	3913.1	3915.7	3939.4	3926.3	3907.9	3900.0	3889.5	3907.9
12.5°	3865.8	3868.4	3876.3	3892.1	3897.3	3928.9	3915.7	3886.8	3873.7	3863.2	3881.6
15°	3860.6	3863.2	3873.7	3889.5	3897.3	3928.9	3915.7	3881.6	3863.2	3850.0	3865.8
17.5°	3860.6	3865.8	3881.6	3905.2	3921.0	3952.5	3936.8	3897.3	3871.1	3847.4	3863.2
20°	3863.2	3871.1	3894.7	3928.9	3968.3	4013.0	3992.0	3939.4	3902.6	3873.7	3884.2
22.5°	3886.8	3900.0	3928.9	3973.6	4031.4	4083.9	4065.5	3994.6	3942.0	3902.6	3913.1
25°	3968.3	3973.6	4010.4	4068.2	4123.4	4168.0	4149.6	4083.9	4018.2	3970.9	3984.1
27.5°	4112.8	4126.0	4157.5	4218.0	4265.3	4288.9	4286.3	4241.6	4175.9	4133.9	4144.4
30°	4286.3	4299.4	4341.5	4409.8	4457.1	4483.4	4475.5	4441.3	4380.9	4323.1	4333.6
32.5°	4488.6	4493.9	4543.8	4620.0	4670.0	4709.4	4683.1	4646.3	4570.1	4501.8	4507.0
35°	4746.2	4754.1	4806.6	4877.6	4917.0	4948.6	4943.3	4906.5	4825.0	4751.5	4769.8
37.5°	5069.4	5074.7	5122.0	5211.4	5242.9	5266.5	5271.8	5253.4	5169.3	5074.7	5093.1
40°	5471.5	5474.2	5526.7	5605.6	5639.7	5655.5	5658.1	5660.7	5574.0	5503.1	5497.8
42.5°	5939.3	5952.5	6026.0	6102.2	6118.0	6110.1	6136.4	6162.7	6078.6	5981.4	5989.2
45°	6499.1	6507.0	6606.8	6690.9	6662.0	6635.7	6685.7	6738.2	6662.0	6535.9	6499.1
47.5°	7161.3	7177.1	7284.9	7369.0	7321.6	7274.3	7355.8	7411.0	7287.5	7153.5	7119.3
50°	7910.3	7920.8	8073.3	8178.4	8123.2	8036.5	8139.0	8196.8	8031.2	7865.6	7792.1
52.5°	8796.0	8774.9	8977.3	9161.3	9127.1	9014.1	9098.2	9108.7	8861.7	8627.8	8554.2
55°	9876.1	9855.1	10057.4	10259.8	10343.9	10315.0	10275.5	10212.5	9847.2	9597.5	9529.2
57.5°	11134.9	11069.2	11353.0	11626.3	11810.3	11862.9	11694.7	11547.5	11258.4	10950.9	10872.1
60°	12304.4	12301.7	12751.1	13224.2	13728.7	13939.0	13513.3	13113.8	12464.7	11904.9	11791.9
62.5°	12632.9	12688.1	13423.9	14596.0	15841.7	16585.4	15463.2	14141.3	12887.8	12044.2	11894.4
65°	11823.4	11960.1	13006.0	14856.2	17316.0	19134.6	16601.2	14165.0	12417.4	11366.2	11208.5
67.5°	8714.5	8987.8	10372.8	13405.5	17189.8	19788.9	16398.8	12853.6	10785.4	9534.4	9316.3
70°	4299.4	4559.6	5658.1	8819.6	14144.0	17689.2	14188.6	9686.9	7284.9	6081.2	5881.5
72.5°	1582.1	1687.2	2118.2	3773.8	7805.2	13066.5	9702.6	5411.1	3529.4	2809.3	2675.3
75°	775.3	793.7	859.4	1266.7	2880.3	6149.6	4559.6	2076.1	1298.2	1130.0	1093.3
77.5°	494.1	502.0	533.5	604.4	925.1	1936.8	1382.3	819.9	636.0	609.7	609.7
80°	275.9	283.8	325.9	375.8	433.6	664.9	496.7	491.4	417.9	365.3	357.4
82.5°	131.4	144.5	207.6	205.0	228.6	333.8	291.7	265.4	268.1	202.4	191.8
85°	60.4	60.4	81.5	97.2	102.5	113.0	134.0	152.4	149.8	102.5	110.4
87.5°	28.9	28.9	28.9	26.3	23.7	21.0	28.9	47.3	68.3	47.3	44.7
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)