

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: P641260

Luminaire Tested: GWS-SA5F-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641260  
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-SA5F-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

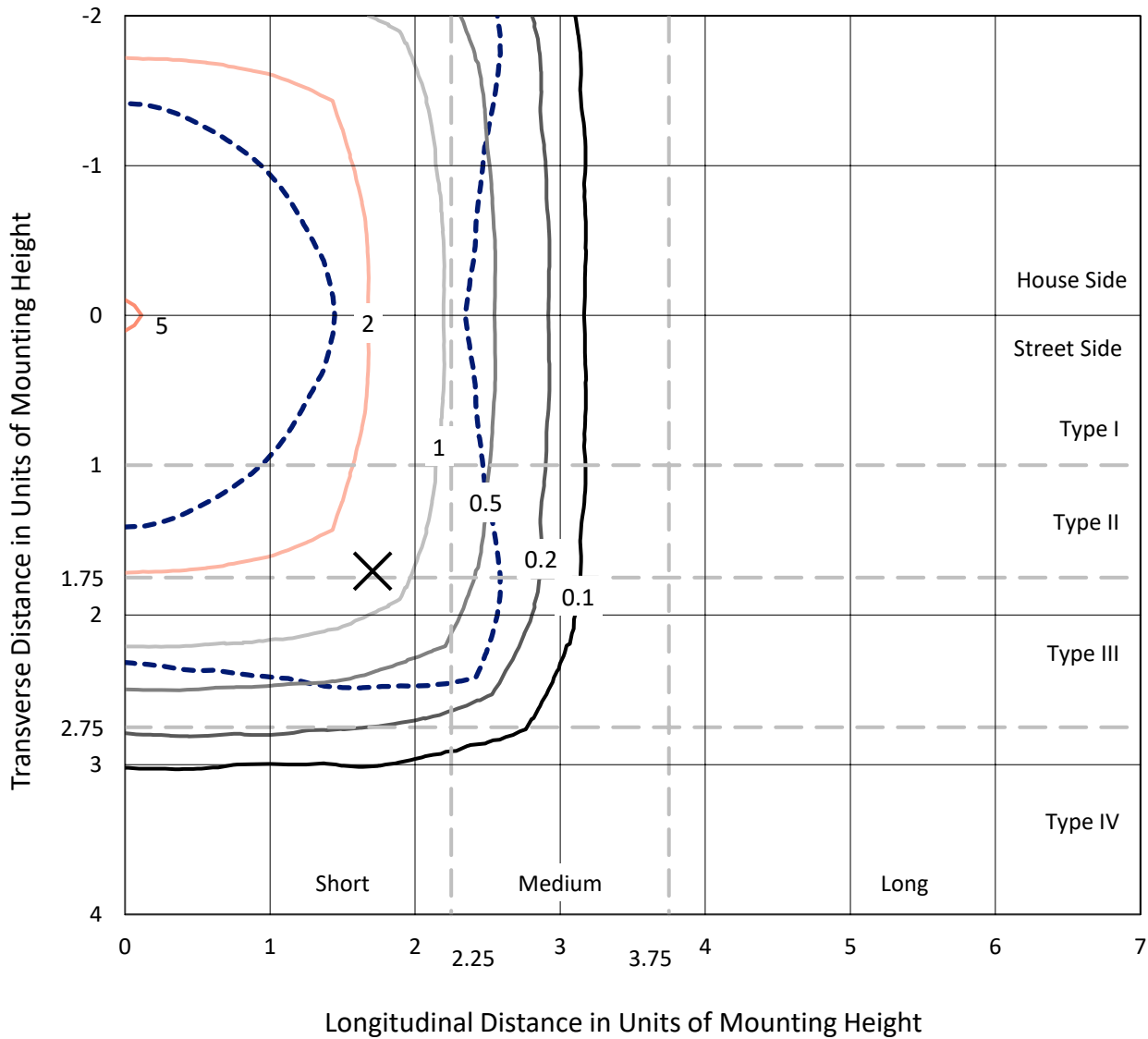
Lumens per Lamp: N/A  
Luminaire Lumens: 44214.4 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): 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

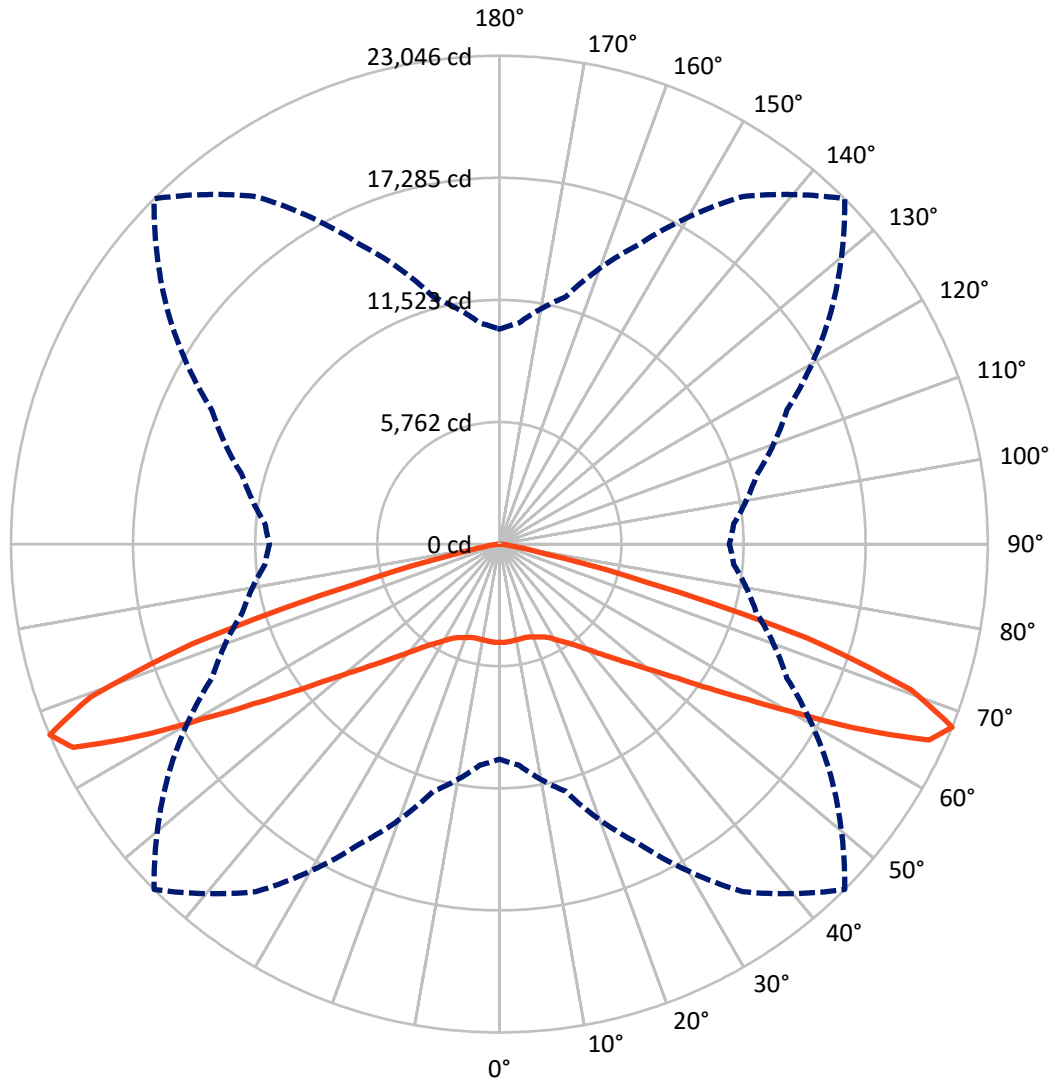
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 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	22107.2	0.0	22107.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22107.2	0.0	22107.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44214.4	0.0	44214.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.3	1.0
10°-20°	1287.3	2.9
20°-30°	2220.2	5.0
30°-40°	3610.1	8.2
40°-50°	6078.6	13.7
50°-60°	10770.2	24.4
60°-70°	15395.2	34.8
70°-80°	4225.4	9.6
80°-90°	189.3	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°	44214.4	100.0
0°-180°	44214.4	100.0

**Coefficient of Utilization**



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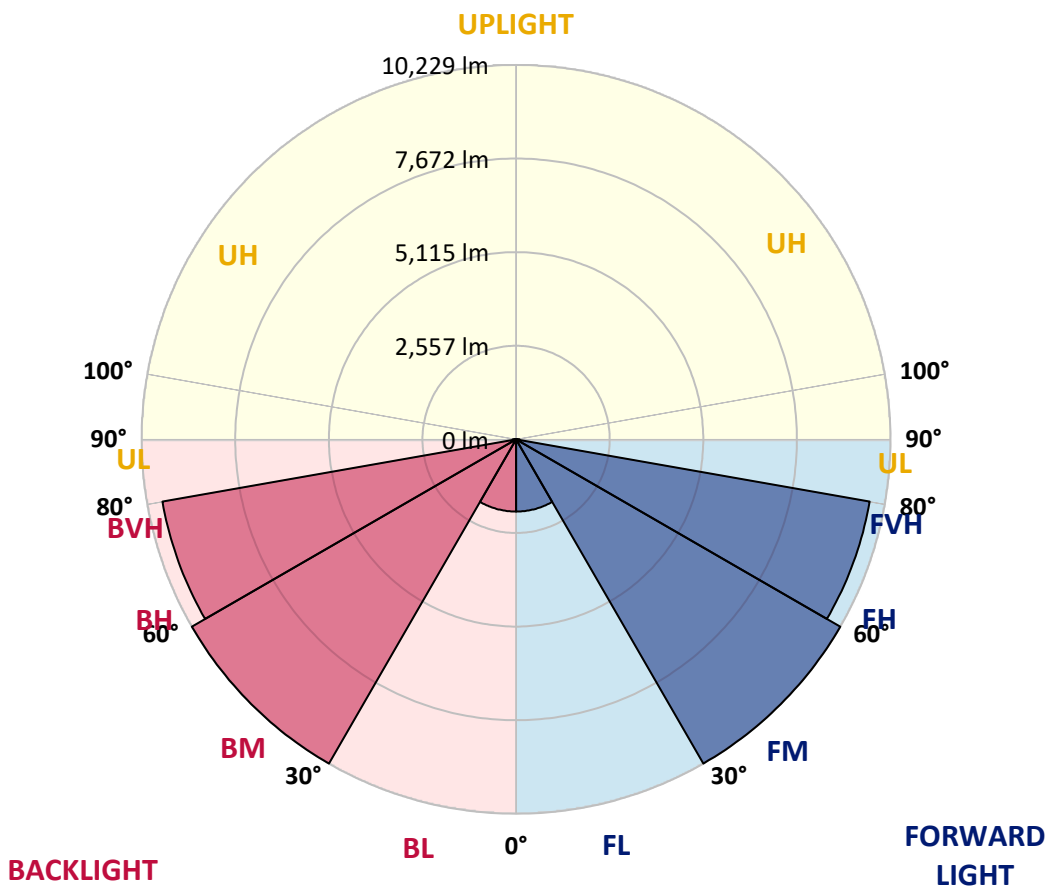
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1972.9	4.5			
FM (30°-60°)	10229.4	23.1			
FH (60°-80°)	9810.3	22.2			G4/12000
FVH (80°-90°)	94.7	0.2			G1/100
BL (0°-30°)	1972.9	4.5	B3/2500		
BM (30°-60°)	10229.4	23.1	B5		
BH (60°-80°)	9810.3	22.2	B5		G4/12000
BVH (80°-90°)	94.7	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°	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7	4630.7
2.5°	4600.1	4597.0	4612.3	4621.5	4618.4	4639.9	4636.8	4630.7	4630.7	4621.5	4646.0
5°	4600.1	4597.0	4609.3	4612.3	4606.2	4624.6	4618.4	4612.3	4612.3	4600.1	4621.5
7.5°	4575.6	4578.6	4587.8	4594.0	4587.8	4603.1	4594.0	4581.7	4578.6	4566.4	4587.8
10°	4529.7	4532.7	4541.9	4557.2	4560.3	4587.8	4572.5	4551.1	4541.9	4529.7	4551.1
12.5°	4502.1	4505.2	4514.4	4532.7	4538.9	4575.6	4560.3	4526.6	4511.3	4499.1	4520.5
15°	4496.0	4499.1	4511.3	4529.7	4538.9	4575.6	4560.3	4520.5	4499.1	4483.8	4502.1
17.5°	4496.0	4502.1	4520.5	4548.0	4566.4	4603.1	4584.8	4538.9	4508.3	4480.7	4499.1
20°	4499.1	4508.3	4535.8	4575.6	4621.5	4673.5	4649.0	4587.8	4545.0	4511.3	4523.6
22.5°	4526.6	4541.9	4575.6	4627.6	4695.0	4756.2	4734.7	4652.1	4590.9	4545.0	4557.2
25°	4621.5	4627.6	4670.5	4737.8	4802.1	4854.1	4832.7	4756.2	4679.6	4624.6	4639.9
27.5°	4789.8	4805.1	4841.9	4912.3	4967.3	4994.9	4991.8	4939.8	4863.3	4814.3	4826.6
30°	4991.8	5007.1	5056.1	5135.7	5190.8	5221.4	5212.2	5172.4	5102.0	5034.7	5046.9
32.5°	5227.5	5233.6	5291.8	5380.5	5438.7	5484.6	5454.0	5411.1	5322.4	5242.8	5248.9
35°	5527.4	5536.6	5597.8	5680.5	5726.4	5763.1	5757.0	5714.1	5619.3	5533.6	5555.0
37.5°	5903.9	5910.0	5965.1	6069.2	6105.9	6133.4	6139.6	6118.1	6020.2	5910.0	5931.4
40°	6372.2	6375.2	6436.4	6528.2	6568.0	6586.4	6589.5	6592.5	6491.5	6408.9	6402.8
42.5°	6916.9	6932.2	7017.9	7106.7	7125.1	7115.9	7146.5	7177.1	7079.2	6965.9	6975.1
45°	7568.9	7578.0	7694.3	7792.3	7758.6	7728.0	7786.2	7847.4	7758.6	7611.7	7568.9
47.5°	8340.1	8358.5	8484.0	8581.9	8526.8	8471.7	8566.6	8630.9	8487.0	8330.9	8291.2
50°	9212.4	9224.6	9402.1	9524.6	9460.3	9359.3	9478.7	9546.0	9353.2	9160.4	9074.7
52.5°	10243.8	10219.3	10455.0	10669.2	10629.4	10497.8	10595.8	10608.0	10320.3	10047.9	9962.2
55°	11501.7	11477.2	11712.9	11948.6	12046.5	12012.8	11966.9	11893.5	11468.0	11177.3	11097.7
57.5°	12967.7	12891.2	13221.8	13540.1	13754.3	13815.5	13619.6	13448.3	13111.6	12753.5	12661.7
60°	14329.7	14326.6	14850.0	15400.9	15988.5	16233.4	15737.6	15272.4	14516.4	13864.5	13732.9
62.5°	14712.3	14776.6	15633.5	16998.5	18449.3	19315.4	18008.5	16469.1	15009.2	14026.7	13852.3
65°	13769.6	13928.8	15146.9	17301.5	20166.3	22284.2	19333.8	16496.6	14461.3	13237.1	13053.4
67.5°	10148.9	10467.2	12080.2	15612.1	20019.3	23046.3	19098.1	14969.4	12560.7	11103.8	10849.8
70°	5007.1	5310.1	6589.5	10271.4	16472.1	20600.9	16524.1	11281.4	8484.0	7082.2	6849.6
72.5°	1842.5	1964.9	2466.8	4395.0	9090.0	15217.3	11299.7	6301.8	4110.4	3271.8	3115.7
75°	902.9	924.3	1000.8	1475.2	3354.4	7161.8	5310.1	2417.9	1511.9	1316.1	1273.2
77.5°	575.4	584.6	621.3	703.9	1077.3	2255.7	1609.9	954.9	740.7	710.1	710.1
80°	321.4	330.5	379.5	437.7	505.0	774.3	578.5	572.3	486.6	425.4	416.2
82.5°	153.0	168.3	241.8	238.7	266.3	388.7	339.7	309.1	312.2	235.7	223.4
85°	70.4	70.4	94.9	113.2	119.4	131.6	156.1	177.5	174.5	119.4	128.5
87.5°	33.7	33.7	33.7	30.6	27.5	24.5	33.7	55.1	79.6	55.1	52.0
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)