

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: P641266

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

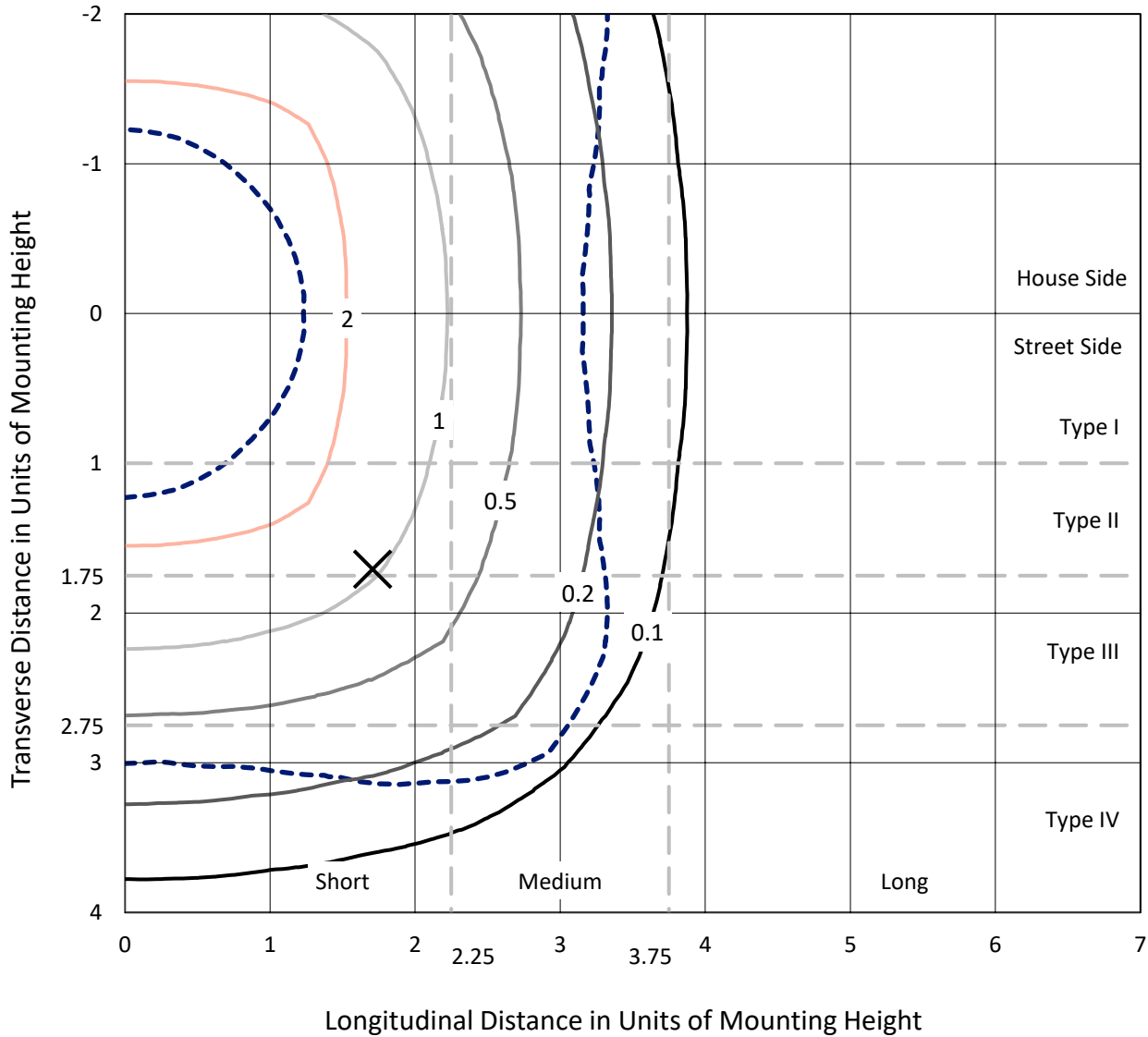
Lumens per Lamp: N/A  
Luminaire Lumens: 43284 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

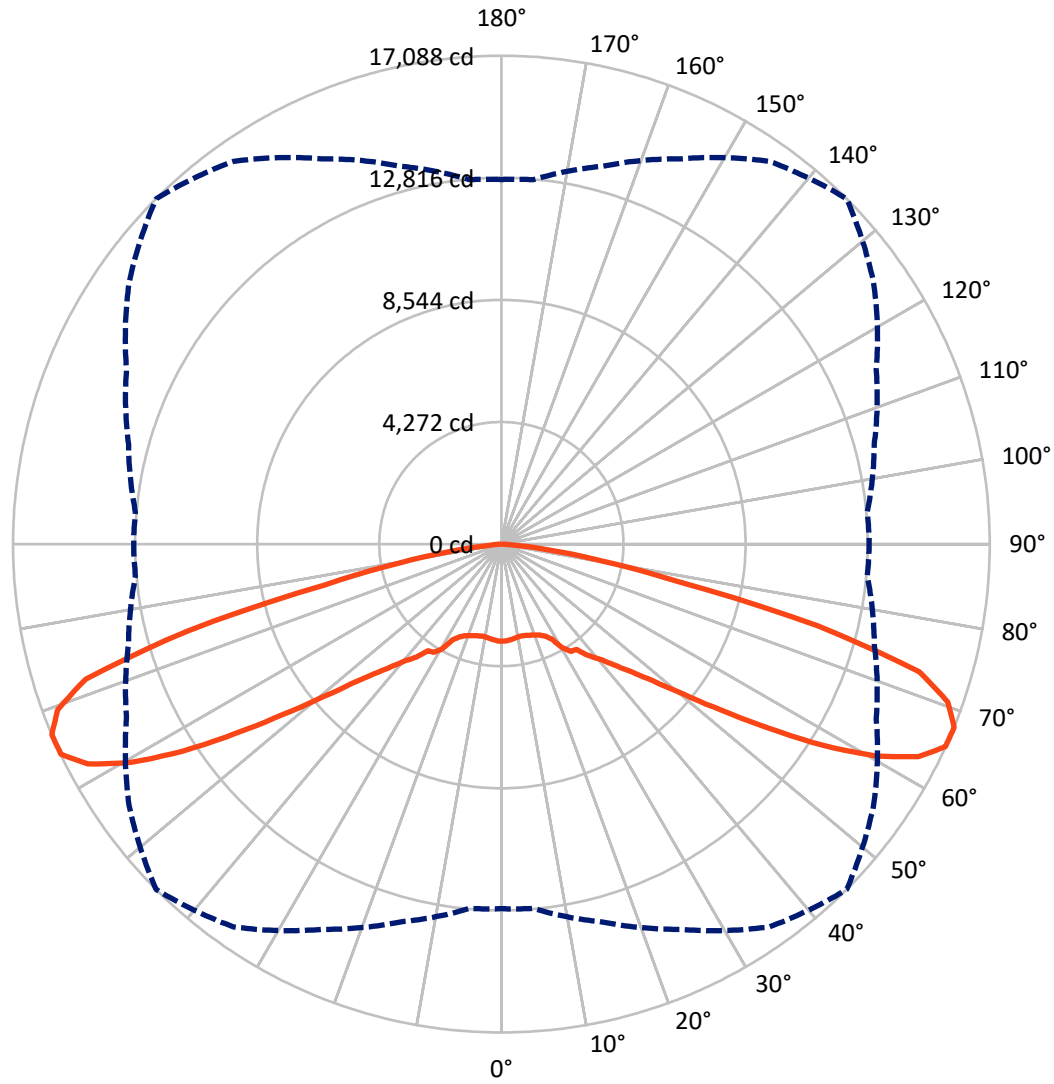
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.8 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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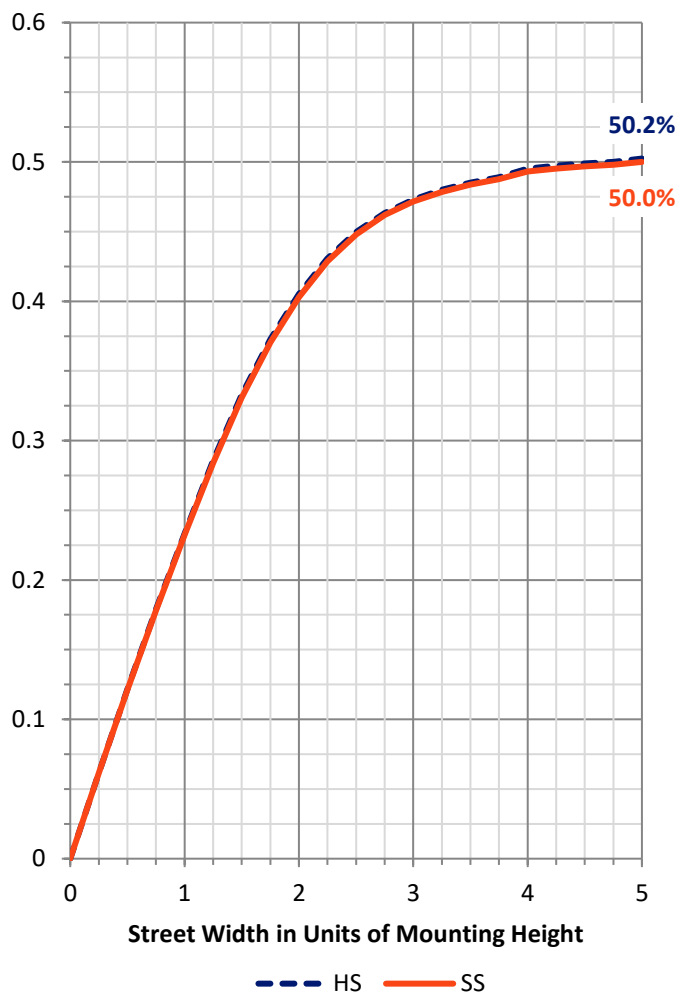
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21642.0	0.0	21642.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21642.0	0.0	21642.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43284.0	0.0	43284.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.7	0.7
10°-20°	945.8	2.2
20°-30°	1696.6	3.9
30°-40°	2866.0	6.6
40°-50°	5035.6	11.6
50°-60°	9713.8	22.4
60°-70°	14093.5	32.6
70°-80°	8063.7	18.6
80°-90°	550.3	1.3
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°	43284.0	100.0
0°-180°	43284.0	100.0

**Coefficient of Utilization**



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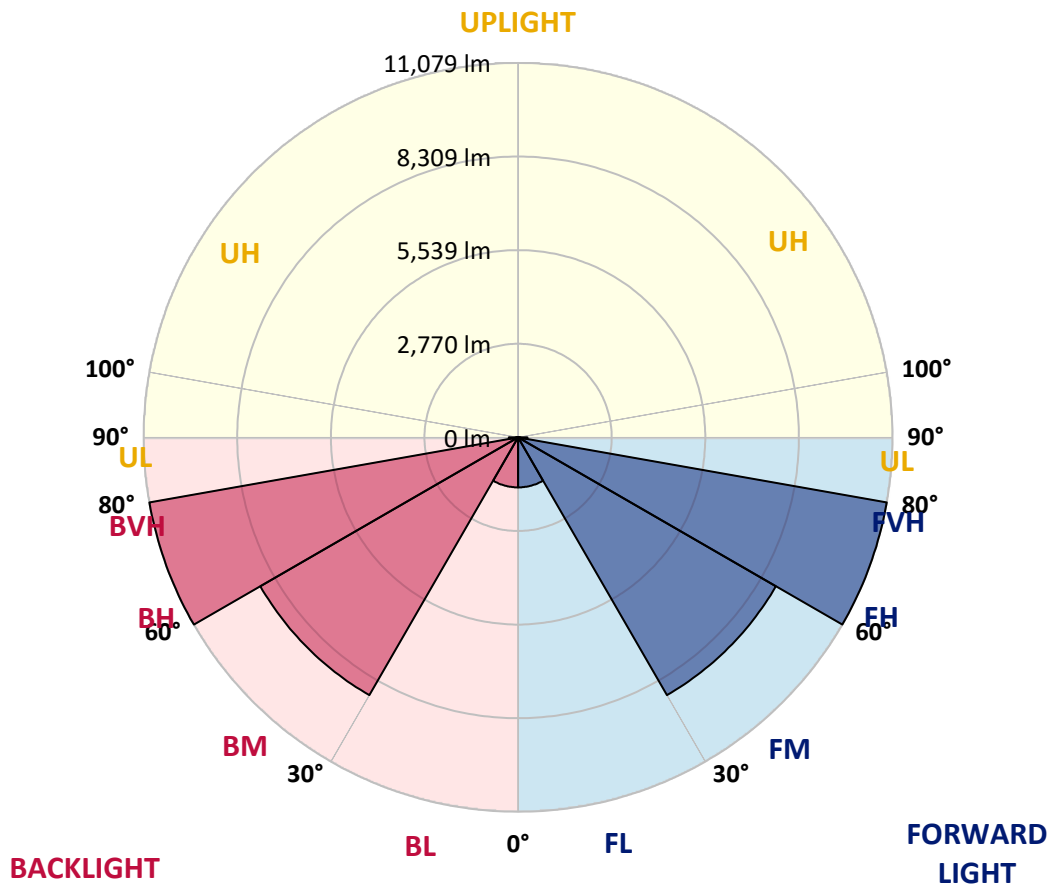
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1480.5	3.4			
FM (30°-60°)	8807.7	20.3			
FH (60°-80°)	11078.6	25.6			G4/12000
FVH (80°-90°)	275.2	0.6			G3/500
BL (0°-30°)	1480.5	3.4	B3/2500		
BM (30°-60°)	8807.7	20.3	B5		
BH (60°-80°)	11078.6	25.6	B5		G4/12000
BVH (80°-90°)	275.2	0.6			G3/500
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°	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3	3394.3
2.5°	3366.8	3369.9	3376.0	3376.0	3382.1	3391.3	3394.3	3388.2	3391.3	3376.0	3391.3
5°	3357.6	3360.7	3363.7	3357.6	3357.6	3360.7	3360.7	3354.6	3357.6	3342.3	3357.6
7.5°	3336.2	3339.3	3339.3	3330.1	3320.9	3327.0	3327.0	3320.9	3324.0	3308.6	3327.0
10°	3317.8	3317.8	3314.8	3296.4	3287.2	3296.4	3299.5	3302.5	3314.8	3302.5	3324.0
12.5°	3330.1	3330.1	3320.9	3296.4	3281.1	3287.2	3293.3	3299.5	3320.9	3317.8	3342.3
15°	3363.7	3366.8	3342.3	3314.8	3305.6	3314.8	3308.6	3305.6	3333.1	3342.3	3369.9
17.5°	3391.3	3391.3	3360.7	3333.1	3336.2	3351.5	3339.3	3324.0	3351.5	3369.9	3400.5
20°	3415.8	3412.7	3379.0	3360.7	3372.9	3394.3	3385.2	3363.7	3382.1	3403.5	3431.1
22.5°	3477.0	3473.9	3437.2	3428.0	3440.3	3461.7	3452.5	3434.1	3455.6	3486.2	3519.8
25°	3651.5	3645.3	3590.2	3559.6	3553.5	3568.8	3565.7	3559.6	3593.3	3630.0	3669.8
27.5°	3884.1	3881.0	3841.2	3810.6	3770.8	3758.6	3767.8	3795.3	3844.3	3871.8	3905.5
30°	4000.4	4000.4	3994.3	4043.2	4128.9	4211.6	4147.3	4043.2	4000.4	3988.1	4021.8
32.5°	4153.4	4168.7	4147.3	4202.4	4346.2	4468.7	4346.2	4177.9	4147.3	4147.3	4184.0
35°	4505.4	4511.5	4477.8	4468.7	4514.6	4529.9	4471.7	4410.5	4444.2	4450.3	4496.2
37.5°	4787.0	4787.0	4771.7	4796.2	4891.0	4949.2	4854.3	4744.1	4753.3	4759.4	4817.6
40°	5221.6	5233.8	5197.1	5194.1	5230.8	5282.8	5181.8	5111.4	5160.4	5175.7	5264.5
42.5°	5763.4	5763.4	5708.3	5693.0	5717.4	5772.5	5677.7	5631.7	5696.0	5708.3	5760.3
45°	6409.2	6424.5	6351.0	6323.5	6335.7	6354.1	6286.7	6265.3	6326.5	6354.1	6445.9
47.5°	7195.8	7211.1	7146.8	7143.7	7131.5	7143.7	7079.5	7067.2	7116.2	7094.8	7192.7
50°	8166.0	8193.6	8138.5	8215.0	8205.8	8242.5	8153.8	8089.5	8089.5	8031.4	8086.4
52.5°	9252.6	9307.7	9335.2	9463.8	9561.7	9653.5	9506.6	9405.6	9258.7	9139.3	9289.3
55°	10437.1	10421.8	10596.2	10877.8	11165.5	11382.9	11095.1	10776.8	10538.1	10290.2	10348.3
57.5°	11474.7	11526.7	11756.3	12270.5	12839.8	13298.9	12781.6	12169.5	11627.7	11272.7	11321.6
60°	12337.8	12380.7	12686.7	13427.4	14422.2	15055.7	14235.5	13225.4	12438.8	11949.1	12001.1
62.5°	13133.6	13173.4	13482.5	14299.7	15554.6	16381.0	15322.0	13941.6	13066.3	12573.5	12604.1
65°	13592.7	13617.2	14039.6	14899.6	16221.9	17075.8	15882.1	14458.9	13598.8	13096.9	13115.2
67.5°	12757.1	12796.9	13687.6	14875.1	16350.4	17088.1	15906.6	14474.2	13507.0	12852.0	12867.3
70°	10063.7	10030.0	11092.1	13133.6	15612.8	16573.9	15199.6	13387.6	11894.0	10978.8	10963.5
72.5°	7673.2	7682.4	8273.2	9671.9	12729.6	15294.5	13412.1	10779.9	9169.9	8475.2	8447.6
75°	5564.4	5650.1	6130.6	7156.0	8903.7	11431.8	10097.3	7988.5	6911.1	6494.9	6433.7
77.5°	2506.7	2616.9	3287.2	4493.2	5953.1	6317.3	6341.8	5423.6	4092.2	3400.5	3293.3
80°	731.5	783.5	1007.0	1723.2	2773.0	3584.1	2846.5	2393.5	1490.6	1169.2	1114.1
82.5°	309.1	352.0	431.6	477.5	805.0	1662.0	1034.5	658.1	612.1	495.8	453.0
85°	131.6	140.8	180.6	192.8	260.2	355.0	327.5	296.9	284.6	220.4	202.0
87.5°	55.1	55.1	55.1	49.0	45.9	49.0	67.3	85.7	113.2	88.8	82.6
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)