

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: P641258

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641258  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

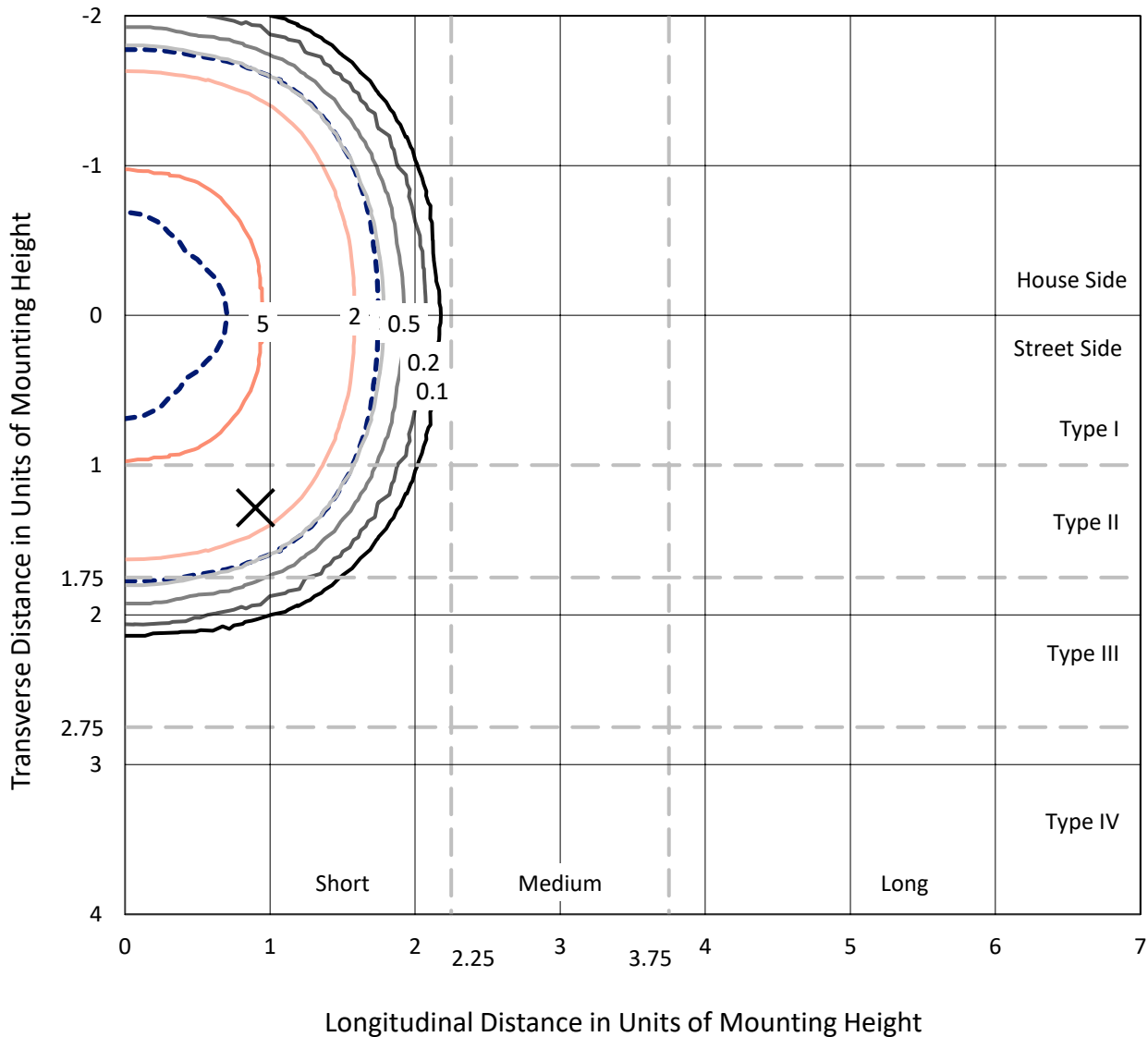
Lumens per Lamp: N/A  
Luminaire Lumens: 26086.1 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

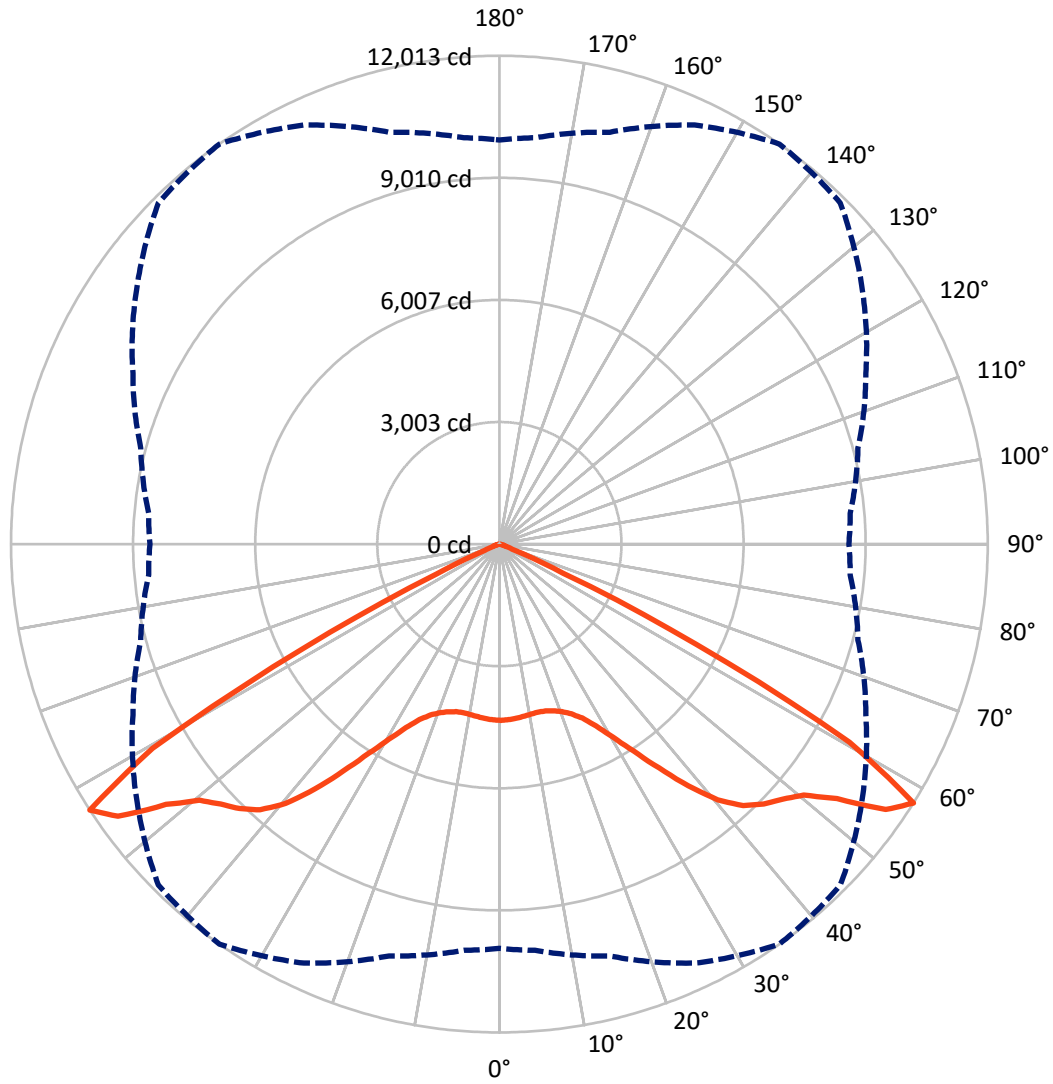
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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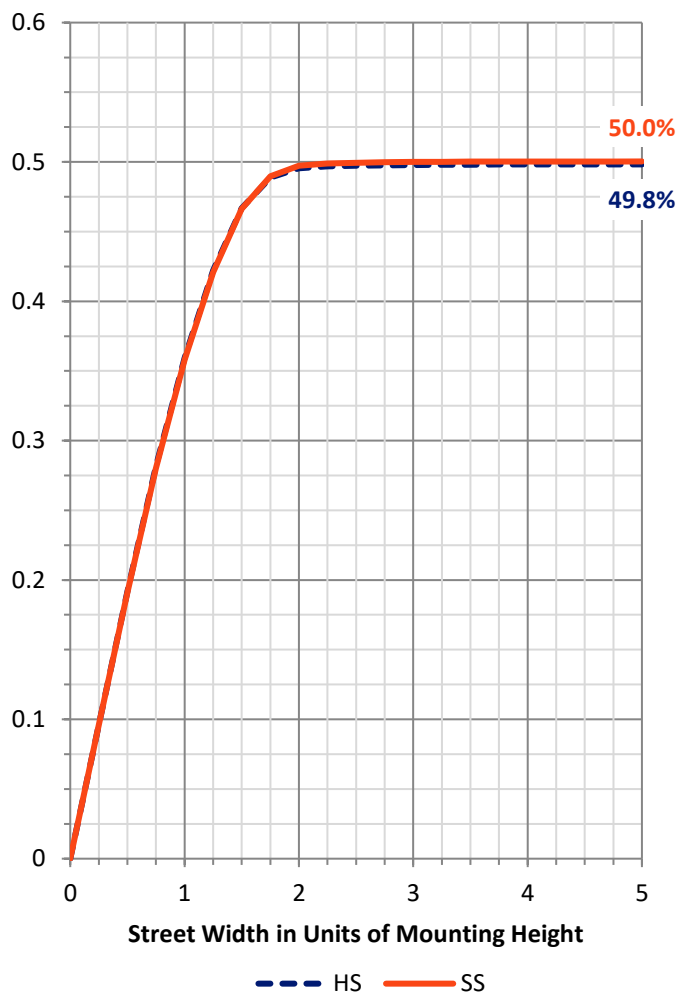
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13043.1	0.0	13043.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13043.1	0.0	13043.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26086.1	0.0	26086.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.6	1.6
10°-20°	1202.0	4.6
20°-30°	2172.6	8.3
30°-40°	4053.3	15.5
40°-50°	6799.4	26.1
50°-60°	8979.3	34.4
60°-70°	2384.7	9.1
70°-80°	84.7	0.3
80°-90°	1.5	0.0
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°	26086.1	100.0
0°-180°	26086.1	100.0

**Coefficient of Utilization**



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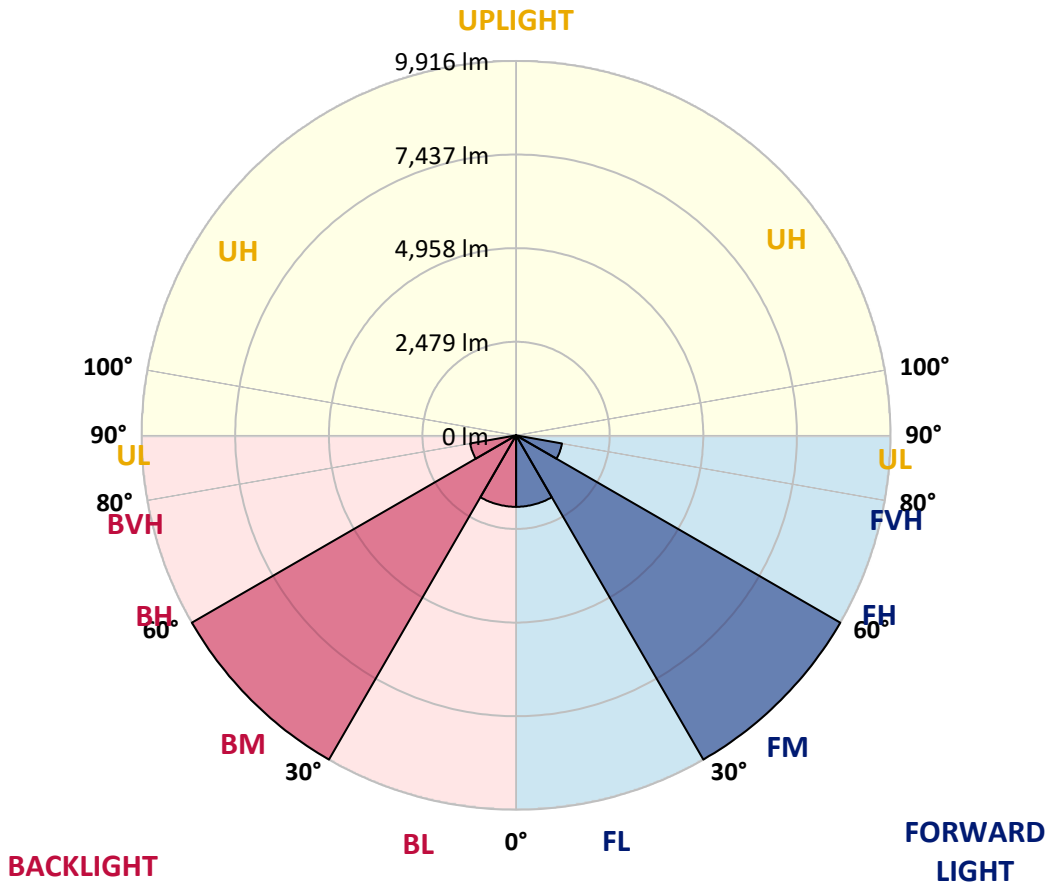
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1891.6	7.3			
FM (30°-60°)	9916.0	38.0			
FH (60°-80°)	1234.7	4.7			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1891.6	7.3	B3/2500		
BM (30°-60°)	9916.0	38.0	B5		
BH (60°-80°)	1234.7	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0
2.5°	4306.4	4303.4	4315.6	4324.8	4324.8	4346.2	4340.1	4334.0	4327.9	4318.7	4340.1
5°	4300.3	4297.3	4306.4	4312.6	4306.4	4324.8	4312.6	4300.3	4294.2	4282.0	4306.4
7.5°	4272.8	4275.8	4282.0	4288.1	4278.9	4294.2	4278.9	4260.5	4245.2	4233.0	4254.4
10°	4229.9	4233.0	4239.1	4251.3	4254.4	4275.8	4254.4	4220.7	4199.3	4181.0	4202.4
12.5°	4208.5	4211.6	4220.7	4236.0	4239.1	4266.7	4239.1	4190.1	4159.5	4138.1	4159.5
15°	4214.6	4220.7	4233.0	4251.3	4257.5	4285.0	4248.3	4184.0	4141.2	4113.6	4132.0
17.5°	4236.0	4242.2	4260.5	4291.1	4312.6	4340.1	4294.2	4211.6	4153.4	4113.6	4132.0
20°	4263.6	4272.8	4303.4	4352.4	4398.3	4447.2	4389.1	4275.8	4199.3	4150.3	4165.6
22.5°	4340.1	4349.3	4392.1	4456.4	4532.9	4594.1	4523.8	4379.9	4275.8	4211.6	4226.9
25°	4496.2	4505.4	4560.5	4643.1	4741.1	4820.6	4731.9	4551.3	4416.6	4343.2	4349.3
27.5°	4741.1	4750.2	4814.5	4930.8	5062.4	5175.7	5047.1	4835.9	4682.9	4597.2	4597.2
30°	5050.2	5062.4	5148.1	5304.2	5509.3	5659.3	5484.8	5227.7	5031.8	4915.5	4918.6
32.5°	5448.1	5435.8	5558.3	5772.5	6063.3	6262.2	6005.1	5693.0	5451.2	5288.9	5304.2
35°	5959.2	5956.2	6093.9	6384.7	6764.2	7002.9	6696.9	6292.9	6002.1	5836.8	5839.9
37.5°	6617.3	6614.2	6773.4	7088.6	7544.7	7743.6	7400.8	6990.7	6678.5	6519.3	6537.7
40°	7388.6	7370.2	7511.0	7814.0	8270.1	8398.6	8025.2	7694.7	7394.7	7293.7	7342.7
42.5°	8123.2	8083.4	8166.0	8441.5	8793.5	8811.8	8530.2	8303.8	8098.7	8019.1	8049.7
45°	8713.9	8683.3	8759.8	8919.0	9121.0	9029.1	8894.5	8824.1	8658.8	8573.1	8600.6
47.5°	9154.6	9154.6	9246.5	9344.4	9375.0	9206.7	9228.1	9228.1	9062.8	8928.1	8894.5
50°	9534.2	9561.7	9699.4	9800.4	9699.4	9485.2	9607.6	9583.1	9246.5	8977.1	8906.7
52.5°	10140.2	10167.7	10378.9	10516.7	10403.4	10192.2	10207.5	9901.4	9405.6	9087.3	8977.1
55°	10782.9	10850.3	11156.3	11523.6	11526.7	11309.4	10905.4	10363.6	9760.7	9414.8	9301.5
57.5°	9941.2	10033.1	10489.1	11373.7	12013.4	11863.4	10899.2	9947.4	9133.2	8661.9	8597.6
60°	6840.7	6999.9	7455.9	8664.9	9898.4	9956.5	8818.0	7749.8	6816.2	6234.7	6246.9
62.5°	2889.3	3051.5	3308.6	4303.4	5435.8	5506.2	4955.3	4190.1	3428.0	3008.7	3073.0
65°	679.5	725.4	801.9	1190.6	1726.2	1805.8	1665.0	1297.7	958.0	811.1	826.4
67.5°	296.9	303.0	287.7	306.1	379.5	388.7	376.5	330.6	312.2	318.3	318.3
70°	208.1	211.2	198.9	189.8	180.6	168.3	174.5	192.8	208.1	220.4	217.3
72.5°	128.6	131.6	134.7	134.7	125.5	113.2	119.4	131.6	134.7	137.7	134.7
75°	64.3	67.3	73.5	76.5	73.5	70.4	70.4	73.5	73.5	70.4	70.4
77.5°	12.2	15.3	21.4	24.5	24.5	24.5	24.5	24.5	27.5	24.5	24.5
80°	3.1	3.1	6.1	3.1	3.1	3.1	3.1	3.1	3.1	6.1	6.1
82.5°	3.1	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
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)