

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: P641203

Luminaire Tested: GWS-SA5F-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641203
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25501.7 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

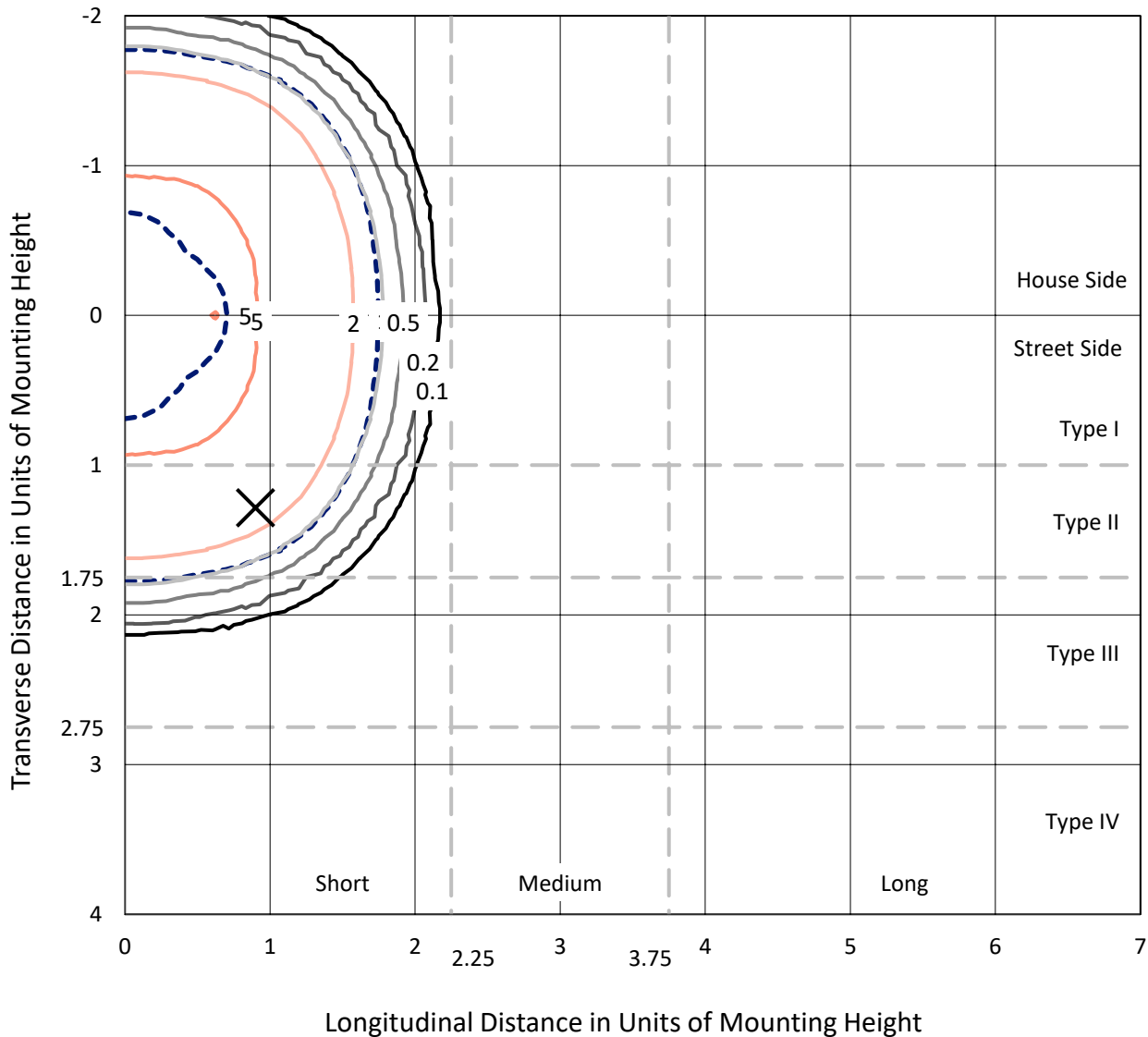
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

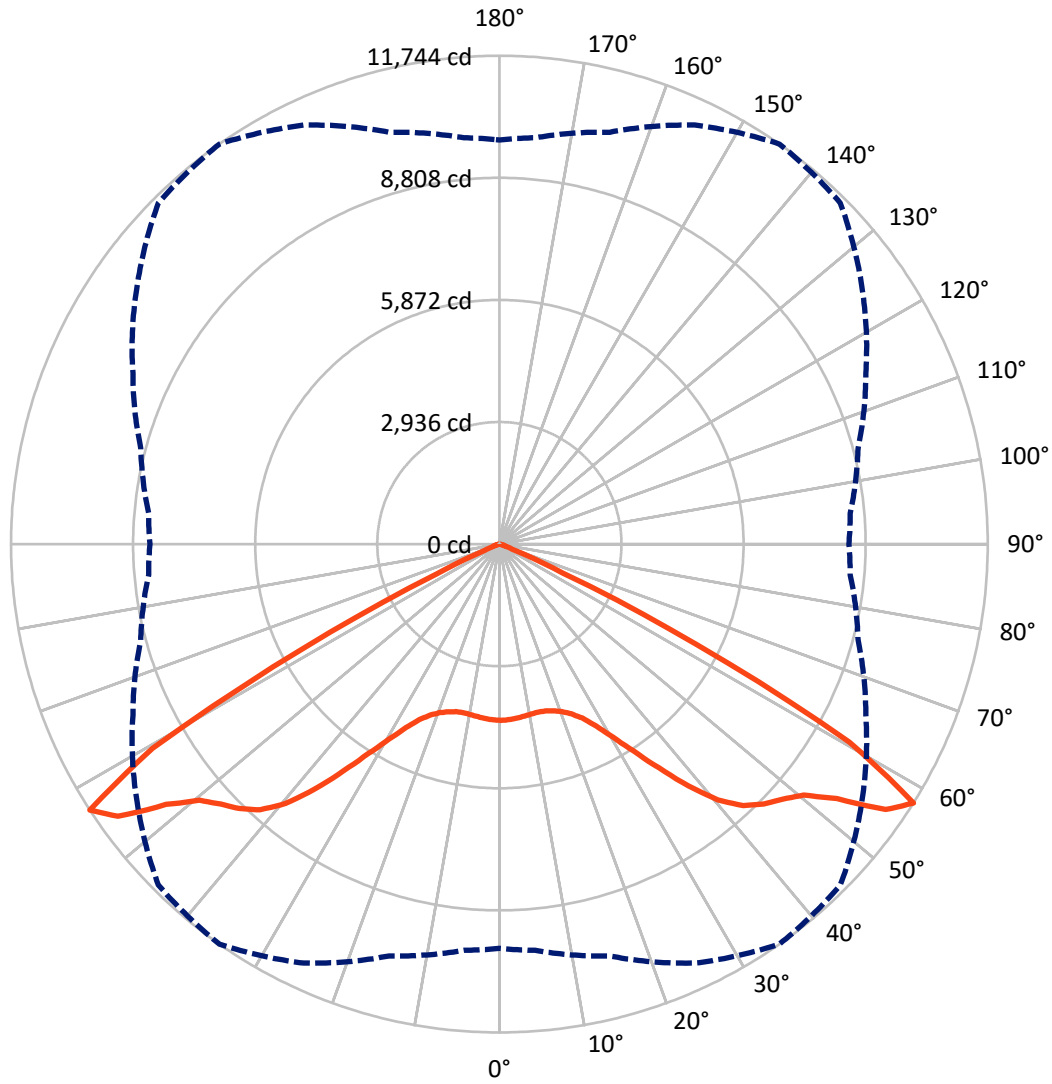
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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
House Side	Lumens	12750.8	0.0	12750.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12750.8	0.0	12750.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	25501.7	0.0	25501.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.5	1.6
10°-20°	1175.1	4.6
20°-30°	2124.0	8.3
30°-40°	3962.5	15.5
40°-50°	6647.1	26.1
50°-60°	8778.1	34.4
60°-70°	2331.3	9.1
70°-80°	82.8	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°	25501.7	100.0
0°-180°	25501.7	100.0

Coefficient of Utilization



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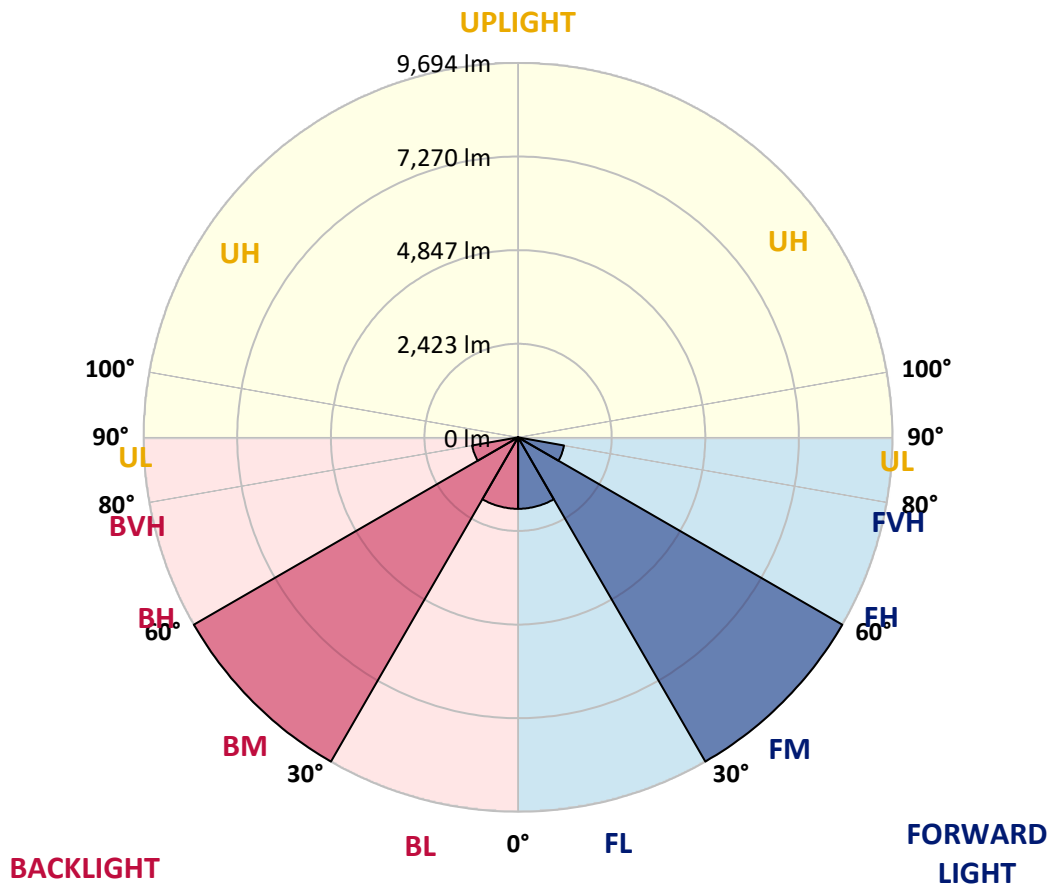
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1849.2	7.3			
FM (30°-60°)	9693.8	38.0			
FH (60°-80°)	1207.0	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1849.2	7.3	B3/2500		
BM (30°-60°)	9693.8	38.0	B5		
BH (60°-80°)	1207.0	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.7	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°	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9	4239.9
2.5°	4210.0	4207.0	4218.9	4227.9	4227.9	4248.9	4242.9	4236.9	4230.9	4221.9	4242.9
5°	4204.0	4201.0	4210.0	4215.9	4210.0	4227.9	4215.9	4204.0	4198.0	4186.0	4210.0
7.5°	4177.1	4180.0	4186.0	4192.0	4183.0	4198.0	4183.0	4165.1	4150.1	4138.2	4159.1
10°	4135.2	4138.2	4144.1	4156.1	4159.1	4180.0	4159.1	4126.2	4105.2	4087.3	4108.2
12.5°	4114.2	4117.2	4126.2	4141.1	4144.1	4171.1	4144.1	4096.3	4066.3	4045.4	4066.3
15°	4120.2	4126.2	4138.2	4156.1	4162.1	4189.0	4153.1	4090.3	4048.4	4021.5	4039.4
17.5°	4141.1	4147.1	4165.1	4195.0	4215.9	4242.9	4198.0	4117.2	4060.4	4021.5	4039.4
20°	4168.1	4177.1	4207.0	4254.8	4299.7	4347.6	4290.8	4180.0	4105.2	4057.4	4072.3
22.5°	4242.9	4251.9	4293.7	4356.6	4431.4	4491.2	4422.4	4281.8	4180.0	4117.2	4132.2
25°	4395.5	4404.5	4458.3	4539.1	4634.9	4712.6	4625.9	4449.3	4317.7	4245.9	4251.9
27.5°	4634.9	4643.8	4706.7	4820.4	4949.0	5059.7	4934.1	4727.6	4578.0	4494.2	4494.2
30°	4937.1	4949.0	5032.8	5185.4	5385.9	5532.5	5361.9	5110.6	4919.1	4805.4	4808.4
32.5°	5326.0	5314.1	5433.8	5643.2	5927.5	6122.0	5870.6	5565.4	5329.0	5170.4	5185.4
35°	5825.7	5822.7	5957.4	6241.6	6612.7	6846.1	6546.8	6151.9	5867.6	5706.0	5709.0
37.5°	6469.0	6466.1	6621.6	6929.8	7375.7	7570.2	7235.0	6834.1	6528.9	6373.3	6391.2
40°	7223.1	7205.1	7342.8	7639.0	8084.8	8210.5	7845.4	7522.3	7229.1	7130.3	7178.2
42.5°	7941.2	7902.3	7983.1	8252.4	8596.5	8614.4	8339.1	8117.7	7917.2	7839.5	7869.4
45°	8518.7	8488.8	8563.6	8719.1	8916.6	8826.9	8695.2	8626.4	8464.8	8381.0	8408.0
47.5°	8949.5	8949.5	9039.3	9135.1	9165.0	9000.4	9021.4	9021.4	8859.8	8728.1	8695.2
50°	9320.6	9347.5	9482.1	9580.9	9482.1	9272.7	9392.4	9368.4	9039.3	8776.0	8707.2
52.5°	9913.0	9939.9	10146.4	10281.1	10170.3	9963.9	9978.8	9679.6	9194.9	8883.7	8776.0
55°	10541.4	10607.2	10906.4	11265.5	11268.5	11056.0	10661.1	10131.4	9542.0	9203.9	9093.2
57.5°	9718.5	9808.3	10254.1	11118.9	11744.2	11597.6	10655.1	9724.5	8928.6	8467.8	8405.0
60°	6687.5	6843.1	7288.9	8470.8	9676.6	9733.5	8620.4	7576.1	6663.5	6095.0	6107.0
62.5°	2824.6	2983.2	3234.5	4207.0	5314.1	5382.9	4844.3	4096.3	3351.2	2941.3	3004.1
65°	664.3	709.1	783.9	1163.9	1687.6	1765.4	1627.7	1268.7	936.5	792.9	807.9
67.5°	290.2	296.2	281.3	299.2	371.0	380.0	368.0	323.2	305.2	311.2	311.2
70°	203.5	206.5	194.5	185.5	176.5	164.6	170.6	188.5	203.5	215.4	212.4
72.5°	125.7	128.7	131.7	131.7	122.7	110.7	116.7	128.7	131.7	134.6	131.7
75°	62.8	65.8	71.8	74.8	71.8	68.8	68.8	71.8	71.8	68.8	68.8
77.5°	12.0	15.0	20.9	23.9	23.9	23.9	23.9	23.9	26.9	23.9	23.9
80°	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
82.5°	3.0	3.0	3.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0
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)