

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: P641313

Luminaire Tested: GWS-SA5F-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641313
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25728.6 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

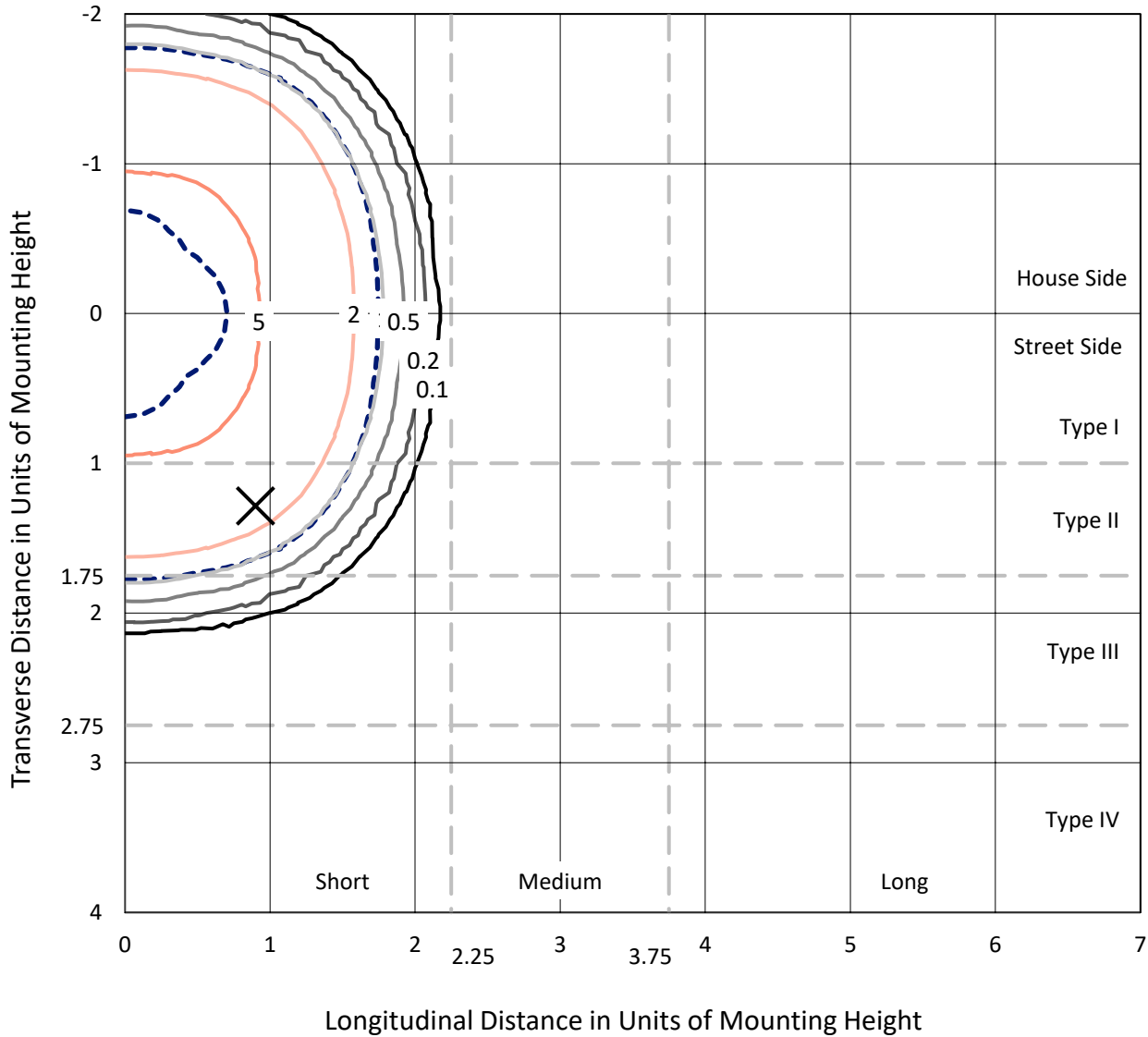
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

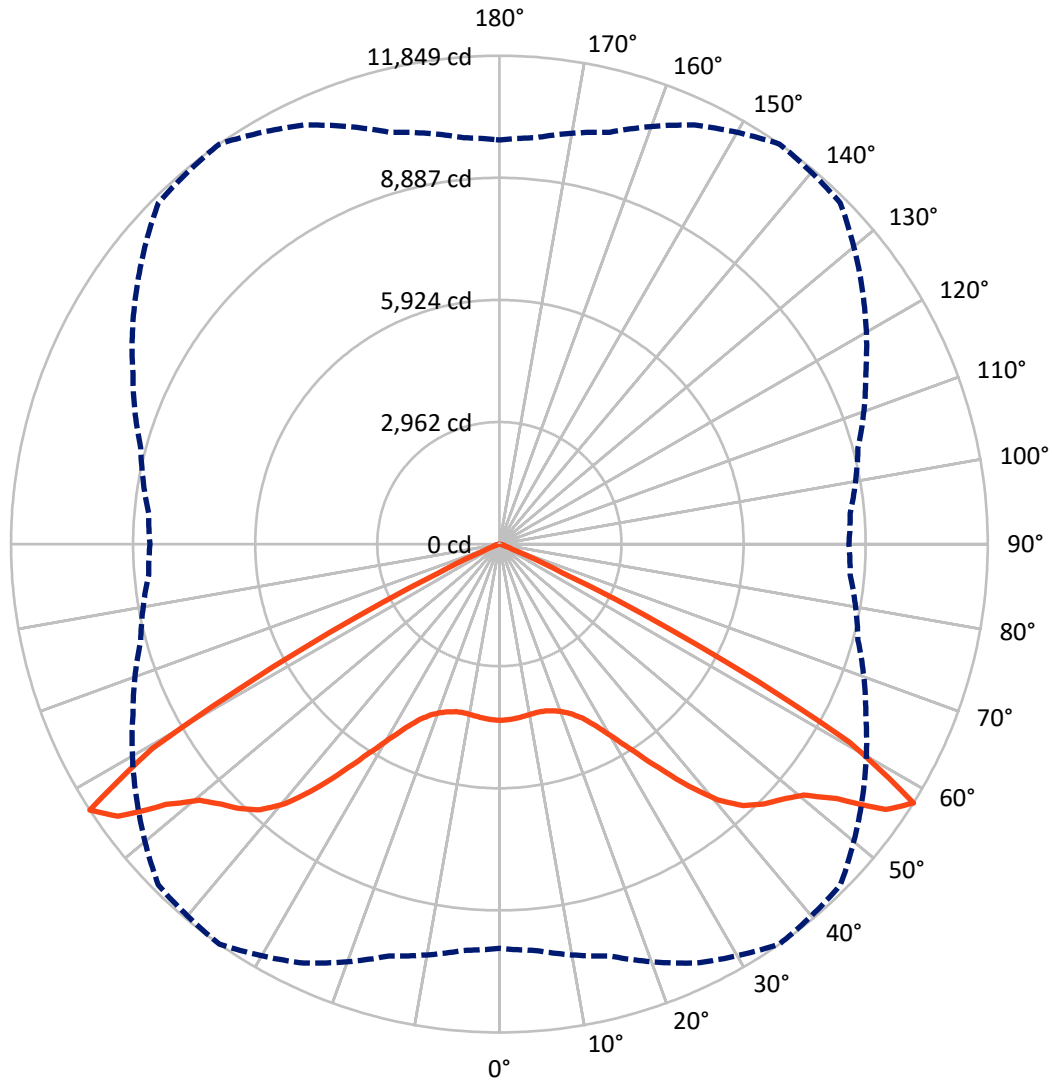
✕ Max cd
 - - - 1/2 Max cd



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	12864.3	0.0	12864.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12864.3	0.0	12864.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	25728.6	0.0	25728.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.0	1.6
10°-20°	1185.5	4.6
20°-30°	2142.9	8.3
30°-40°	3997.7	15.5
40°-50°	6706.2	26.1
50°-60°	8856.2	34.4
60°-70°	2352.0	9.1
70°-80°	83.5	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°	25728.6	100.0
0°-180°	25728.6	100.0

Coefficient of Utilization



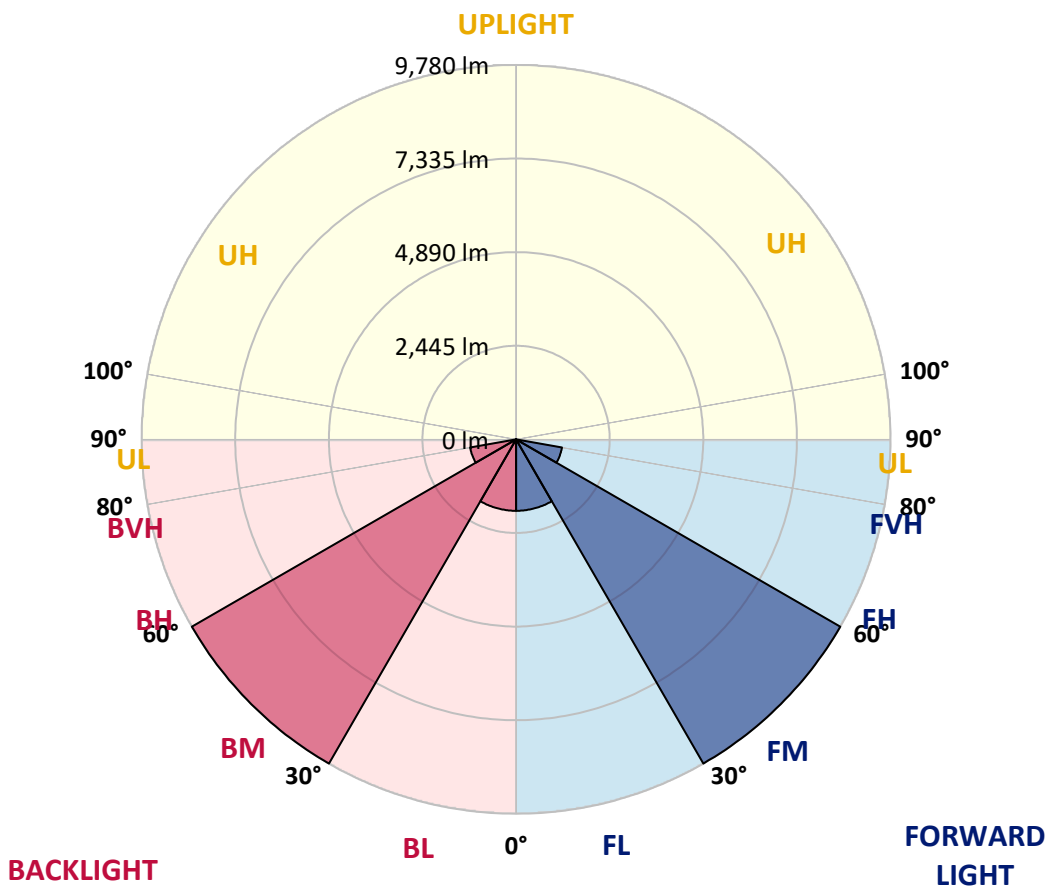
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1865.7	7.3			
FM (30°-60°)	9780.1	38.0			
FH (60°-80°)	1217.8	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1865.7	7.3	B3/2500		
BM (30°-60°)	9780.1	38.0	B5		
BH (60°-80°)	1217.8	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 <td></td> <td>U0/0</td> <td></td>		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°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
2.5°	4247.4	4244.4	4256.5	4265.5	4265.5	4286.7	4280.6	4274.6	4268.6	4259.5	4280.6
5°	4241.4	4238.4	4247.4	4253.5	4247.4	4265.5	4253.5	4241.4	4235.3	4223.3	4247.4
7.5°	4214.2	4217.2	4223.3	4229.3	4220.3	4235.3	4220.3	4202.1	4187.0	4175.0	4196.1
10°	4172.0	4175.0	4181.0	4193.1	4196.1	4217.2	4196.1	4162.9	4141.8	4123.7	4144.8
12.5°	4150.8	4153.8	4162.9	4178.0	4181.0	4208.2	4181.0	4132.7	4102.5	4081.4	4102.5
15°	4156.9	4162.9	4175.0	4193.1	4199.1	4226.3	4190.1	4126.7	4084.4	4057.2	4075.4
17.5°	4178.0	4184.0	4202.1	4232.3	4253.5	4280.6	4235.3	4153.8	4096.5	4057.2	4075.4
20°	4205.2	4214.2	4244.4	4292.7	4338.0	4386.3	4328.9	4217.2	4141.8	4093.5	4108.6
22.5°	4280.6	4289.7	4331.9	4395.3	4470.8	4531.2	4461.8	4319.9	4217.2	4153.8	4168.9
25°	4434.6	4443.6	4498.0	4579.5	4676.1	4754.6	4667.0	4488.9	4356.1	4283.6	4289.7
27.5°	4676.1	4685.1	4748.5	4863.3	4993.1	5104.8	4978.0	4769.7	4618.7	4534.2	4534.2
30°	4981.0	4993.1	5077.6	5231.5	5433.8	5581.7	5409.7	5156.1	4962.9	4848.2	4851.2
32.5°	5373.4	5361.4	5482.1	5693.4	5980.2	6176.4	5922.8	5614.9	5376.4	5216.5	5231.5
35°	5877.6	5874.5	6010.4	6297.2	6671.5	6907.0	6605.1	6206.6	5919.8	5756.8	5759.8
37.5°	6526.6	6523.6	6680.6	6991.5	7441.3	7637.5	7299.4	6894.9	6587.0	6430.0	6448.1
40°	7287.3	7269.2	7408.1	7706.9	8156.7	8283.5	7915.2	7589.2	7293.4	7193.8	7242.1
42.5°	8011.8	7972.6	8054.1	8325.8	8673.0	8691.1	8413.3	8190.0	7987.7	7909.2	7939.4
45°	8594.5	8564.3	8639.7	8796.7	8996.0	8905.4	8772.6	8703.1	8540.1	8455.6	8482.8
47.5°	9029.2	9029.2	9119.7	9216.3	9246.5	9080.5	9101.6	9101.6	8938.6	8805.8	8772.6
50°	9403.5	9430.7	9566.5	9666.1	9566.5	9355.2	9476.0	9451.8	9119.7	8854.1	8784.7
52.5°	10001.2	10028.4	10236.7	10372.5	10260.8	10052.5	10067.6	9765.8	9276.7	8962.8	8854.1
55°	10635.2	10701.6	11003.5	11365.7	11368.7	11154.4	10755.9	10221.6	9626.9	9285.8	9174.1
57.5°	9805.0	9895.6	10345.4	11217.8	11848.7	11700.8	10749.9	9811.0	9008.0	8543.1	8479.8
60°	6747.0	6904.0	7353.7	8546.2	9762.7	9820.1	8697.1	7643.6	6722.8	6149.3	6161.3
62.5°	2849.7	3009.7	3263.3	4244.4	5361.4	5430.8	4887.4	4132.7	3381.0	2967.5	3030.9
65°	670.2	715.5	790.9	1174.3	1702.6	1781.1	1642.2	1280.0	944.9	800.0	815.1
67.5°	292.8	298.9	283.8	301.9	374.3	383.4	371.3	326.0	307.9	314.0	314.0
70°	205.3	208.3	196.2	187.2	178.1	166.0	172.1	190.2	205.3	217.4	214.3
72.5°	126.8	129.8	132.8	132.8	123.8	111.7	117.7	129.8	132.8	135.8	132.8
75°	63.4	66.4	72.5	75.5	72.5	69.4	69.4	72.5	72.5	69.4	69.4
77.5°	12.1	15.1	21.1	24.2	24.2	24.2	24.2	24.2	27.2	24.2	24.2
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)