

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: P636309

Luminaire Tested: GWS-SA3F-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21899.2 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

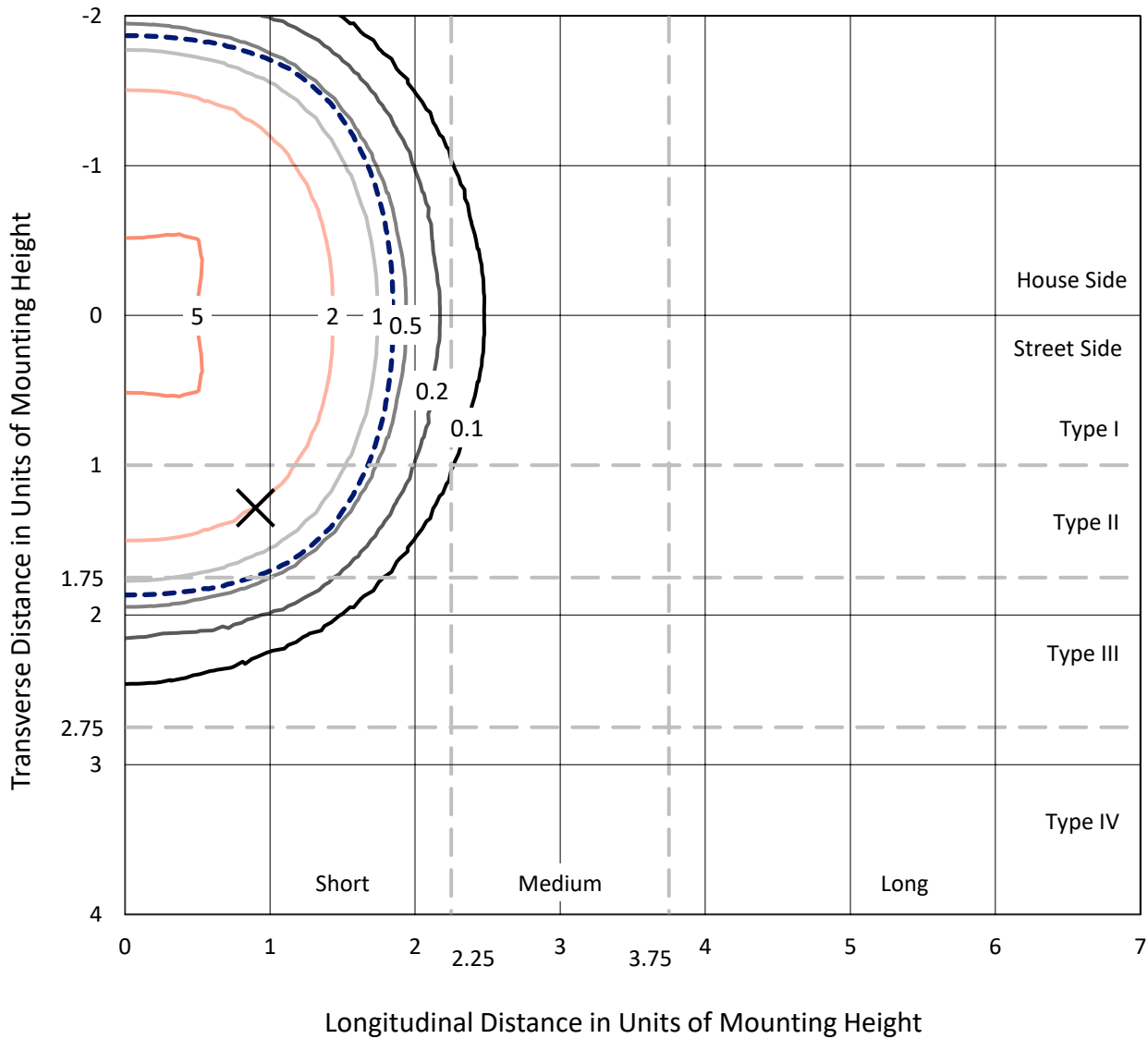
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

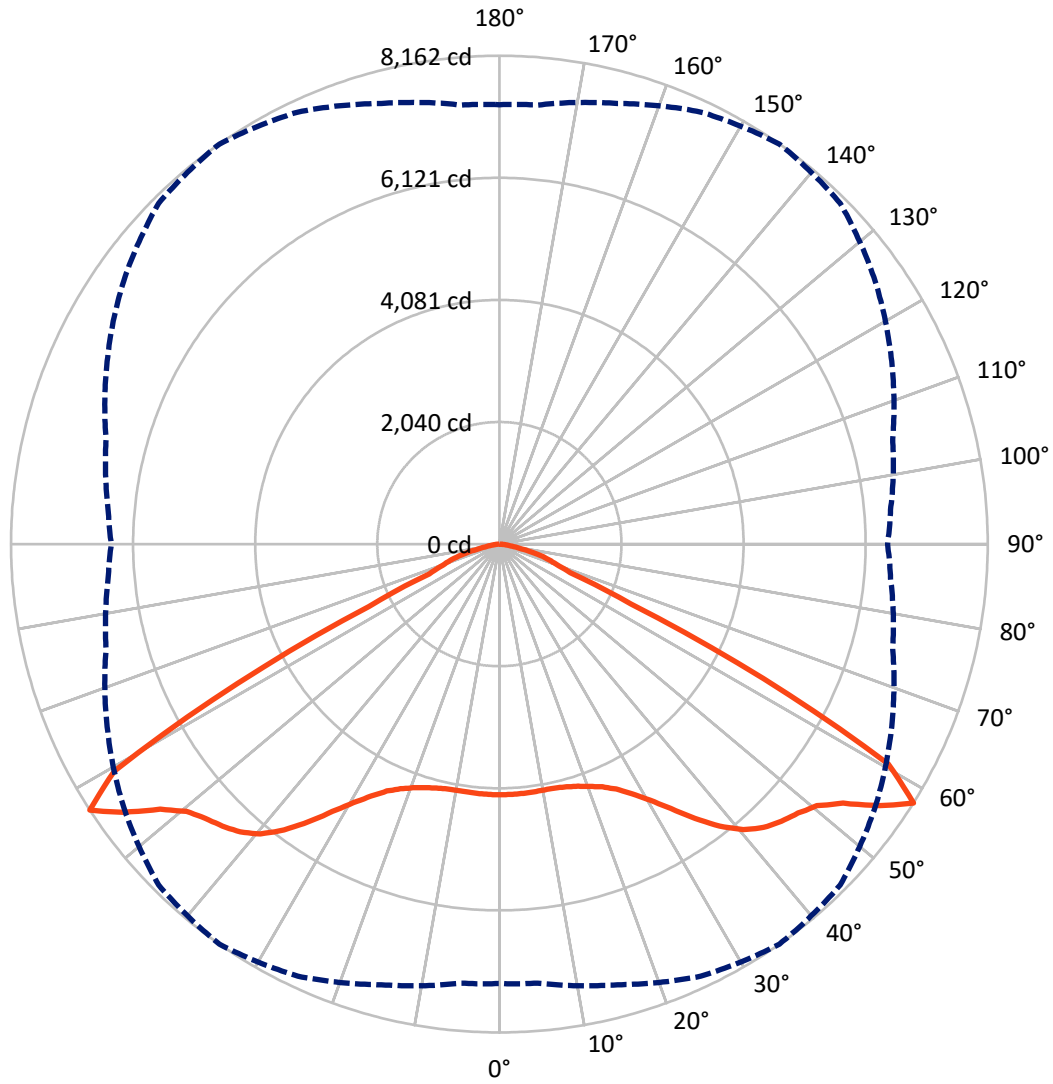
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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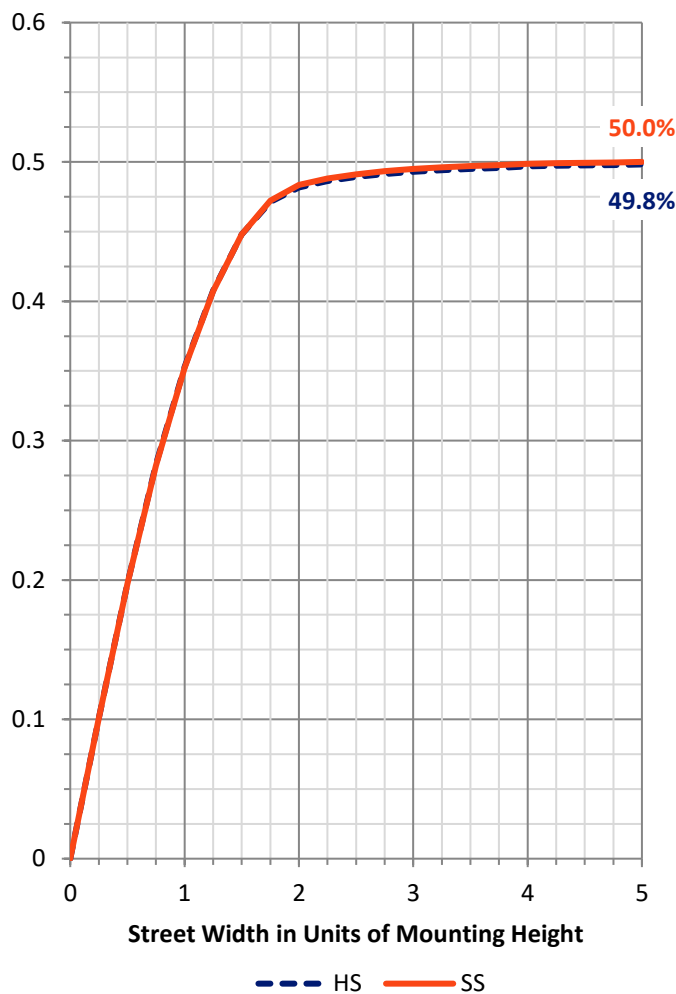
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10949.6	0.0	10949.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10949.6	0.0	10949.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21899.2	0.0	21899.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	1.8
10°-20°	1189.3	5.4
20°-30°	2075.1	9.5
30°-40°	3402.7	15.5
40°-50°	5011.4	22.9
50°-60°	6395.4	29.2
60°-70°	2695.3	12.3
70°-80°	643.9	2.9
80°-90°	87.6	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°	21899.2	100.0
0°-180°	21899.2	100.0

Coefficient of Utilization



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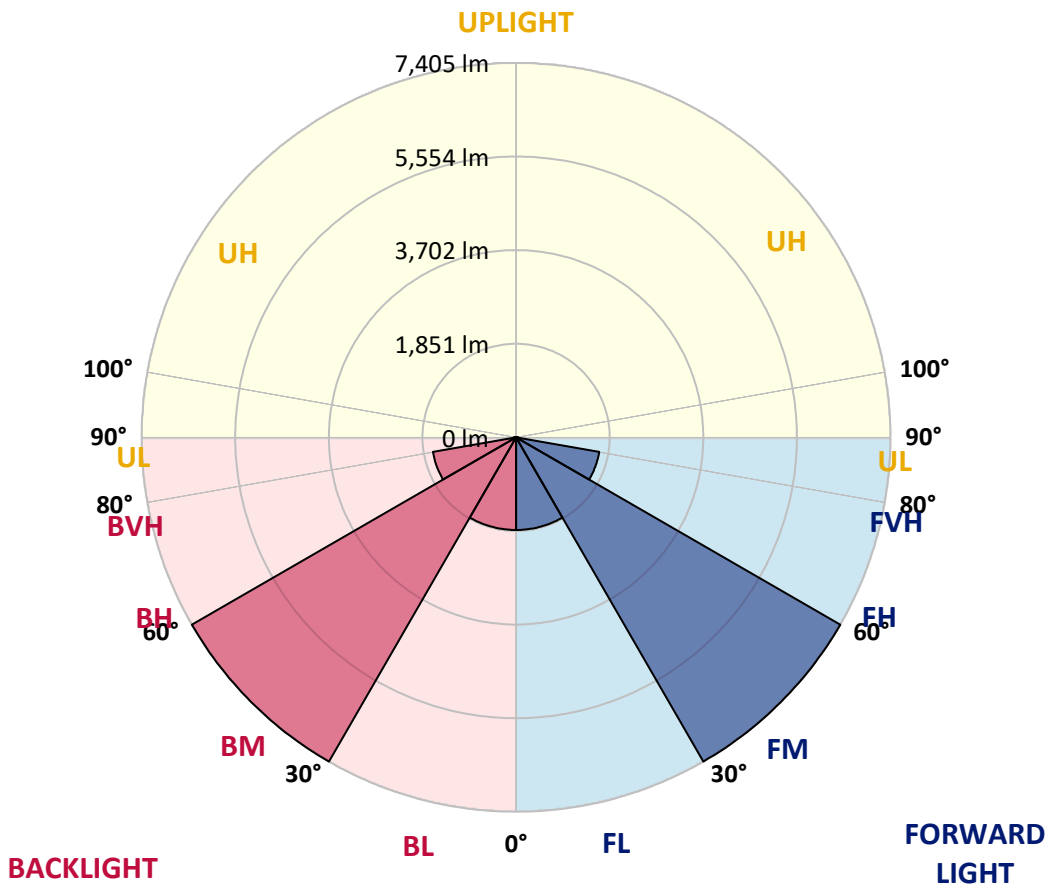
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1831.5	8.4			
FM (30°-60°)	7404.7	33.8			
FH (60°-80°)	1669.6	7.6			G1/1800
FVH (80°-90°)	43.8	0.2			G1/100
BL (0°-30°)	1831.5	8.4	B3/2500		
BM (30°-60°)	7404.7	33.8	B4/8500		
BH (60°-80°)	1669.6	7.6	B3/2500		G1/1800
BVH (80°-90°)	43.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2	4190.2
2.5°	4165.1	4165.1	4174.0	4183.0	4186.6	4202.7	4200.9	4195.5	4192.0	4181.2	4195.5
5°	4174.0	4174.0	4181.2	4186.6	4184.8	4197.3	4192.0	4183.0	4177.6	4166.9	4183.0
7.5°	4172.2	4172.2	4177.6	4183.0	4179.4	4190.2	4181.2	4168.6	4159.7	4148.9	4163.3
10°	4148.9	4152.5	4157.9	4170.4	4175.8	4192.0	4179.4	4159.7	4145.3	4132.8	4147.1
12.5°	4145.3	4148.9	4156.1	4172.2	4181.2	4204.5	4188.4	4156.1	4134.6	4118.4	4132.8
15°	4161.5	4165.1	4175.8	4195.5	4209.9	4235.0	4211.7	4166.9	4136.4	4114.9	4127.4
17.5°	4181.2	4186.6	4202.7	4231.4	4254.7	4281.6	4252.9	4199.1	4156.1	4127.4	4138.2
20°	4202.7	4209.9	4235.0	4278.0	4321.0	4355.1	4319.3	4247.5	4195.5	4157.9	4168.6
22.5°	4240.4	4249.3	4281.6	4342.6	4407.1	4457.3	4412.5	4315.7	4247.5	4199.1	4208.1
25°	4317.5	4328.2	4369.5	4443.0	4534.4	4595.4	4532.6	4423.2	4328.2	4269.1	4278.0
27.5°	4453.7	4459.1	4512.9	4609.7	4722.7	4792.6	4717.3	4588.2	4482.4	4414.3	4421.5
30°	4633.0	4649.2	4702.9	4830.3	4964.7	5058.0	4959.3	4806.9	4685.0	4602.5	4609.7
32.5°	4851.8	4862.5	4943.2	5075.9	5269.5	5377.1	5242.6	5061.5	4914.5	4814.1	4821.3
35°	5138.6	5147.6	5224.7	5393.2	5628.1	5728.5	5574.3	5366.3	5196.0	5101.0	5127.9
37.5°	5481.1	5497.2	5552.8	5719.6	5981.3	6079.9	5902.4	5708.8	5531.3	5443.4	5463.2
40°	5848.7	5846.9	5891.7	6038.7	6277.2	6338.1	6178.6	6024.4	5872.0	5814.6	5846.9
42.5°	6164.2	6155.3	6187.5	6309.4	6474.4	6479.8	6374.0	6287.9	6180.4	6140.9	6171.4
45°	6384.8	6388.3	6436.7	6521.0	6605.3	6560.5	6528.2	6513.8	6429.6	6375.8	6381.2
47.5°	6558.7	6573.0	6650.1	6707.5	6718.2	6642.9	6687.8	6709.3	6639.4	6556.9	6533.6
50°	6712.9	6736.2	6836.6	6897.5	6874.2	6779.2	6867.1	6899.3	6745.1	6587.4	6540.7
52.5°	6992.6	7019.5	7141.4	7220.3	7193.4	7098.4	7180.8	7066.1	6806.1	6612.5	6553.3
55°	7439.0	7451.6	7600.4	7729.5	7716.9	7600.4	7534.0	7279.4	6963.9	6763.1	6707.5
57.5°	7344.0	7365.5	7623.7	7967.9	8161.6	8055.8	7666.7	7232.8	6804.3	6562.3	6487.0
60°	5778.7	5830.7	6151.7	6757.7	7467.7	7465.9	6743.3	6069.2	5552.8	5231.9	5199.6
62.5°	3374.4	3410.2	3702.5	4315.7	4952.2	4991.6	4484.2	4021.6	3569.8	3352.8	3248.9
65°	1597.5	1595.7	1712.3	1988.4	2418.7	2452.8	2300.4	2047.6	1780.4	1706.9	1687.2
67.5°	1179.8	1179.8	1170.8	1190.5	1273.0	1290.9	1273.0	1231.8	1206.7	1222.8	1212.0
70°	1023.8	1025.6	1014.8	1009.4	1009.4	1004.1	1011.2	1027.4	1038.1	1059.6	1048.9
72.5°	830.1	831.9	831.9	833.7	835.5	828.4	839.1	848.1	849.9	857.0	849.9
75°	589.9	593.5	604.2	613.2	620.4	620.4	624.0	625.7	618.6	627.5	613.2
77.5°	324.5	328.1	347.8	364.0	380.1	381.9	387.3	390.9	387.3	394.5	383.7
80°	179.3	182.9	191.8	199.0	211.6	222.3	229.5	233.1	233.1	238.5	233.1
82.5°	102.2	105.8	111.2	114.7	125.5	134.5	141.6	147.0	147.0	148.8	145.2
85°	48.4	48.4	52.0	55.6	61.0	64.5	73.5	78.9	78.9	82.5	78.9
87.5°	7.2	9.0	10.8	10.8	14.3	17.9	21.5	23.3	26.9	28.7	28.7
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)