

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: P641319

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 22160.5 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

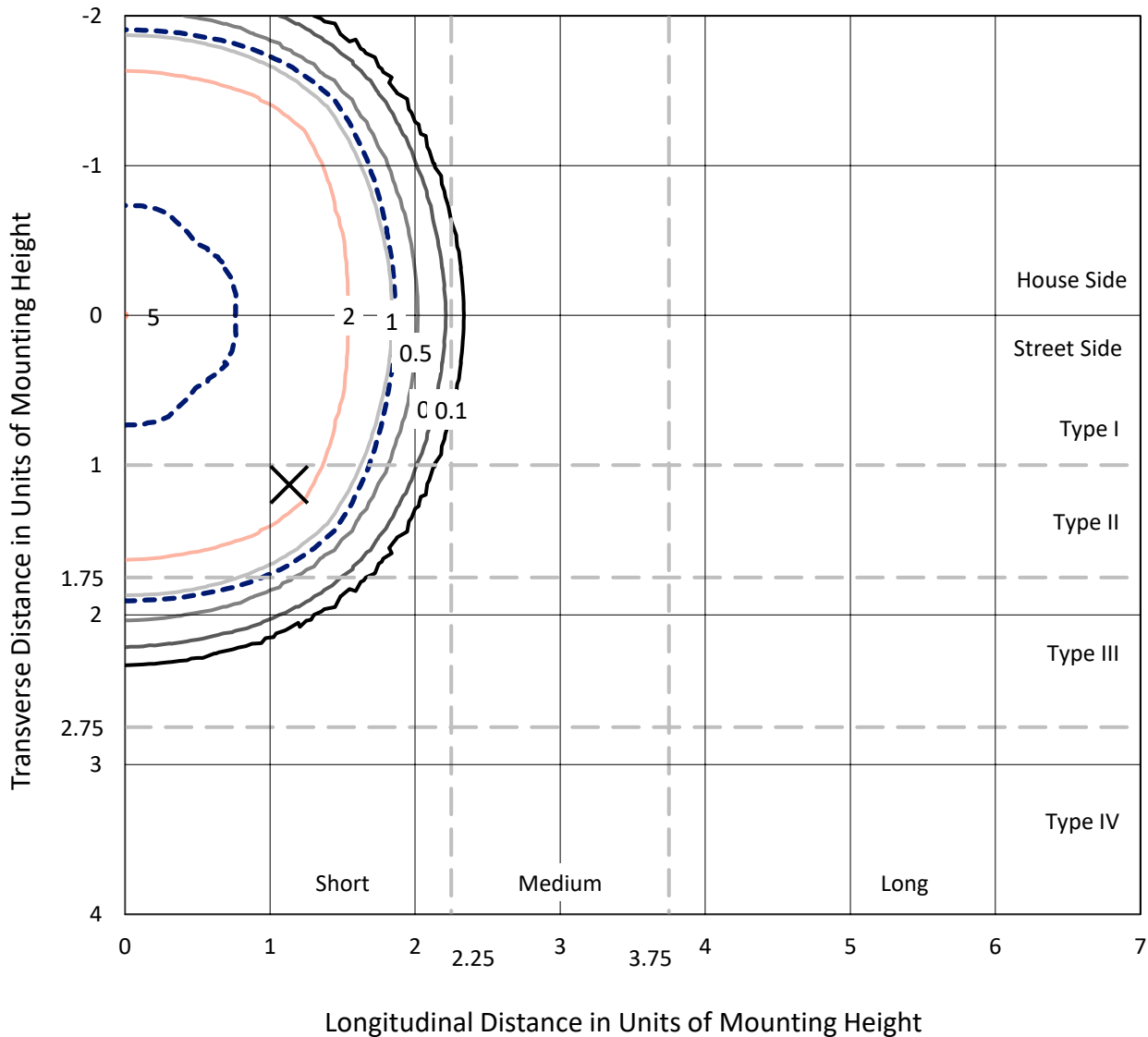
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

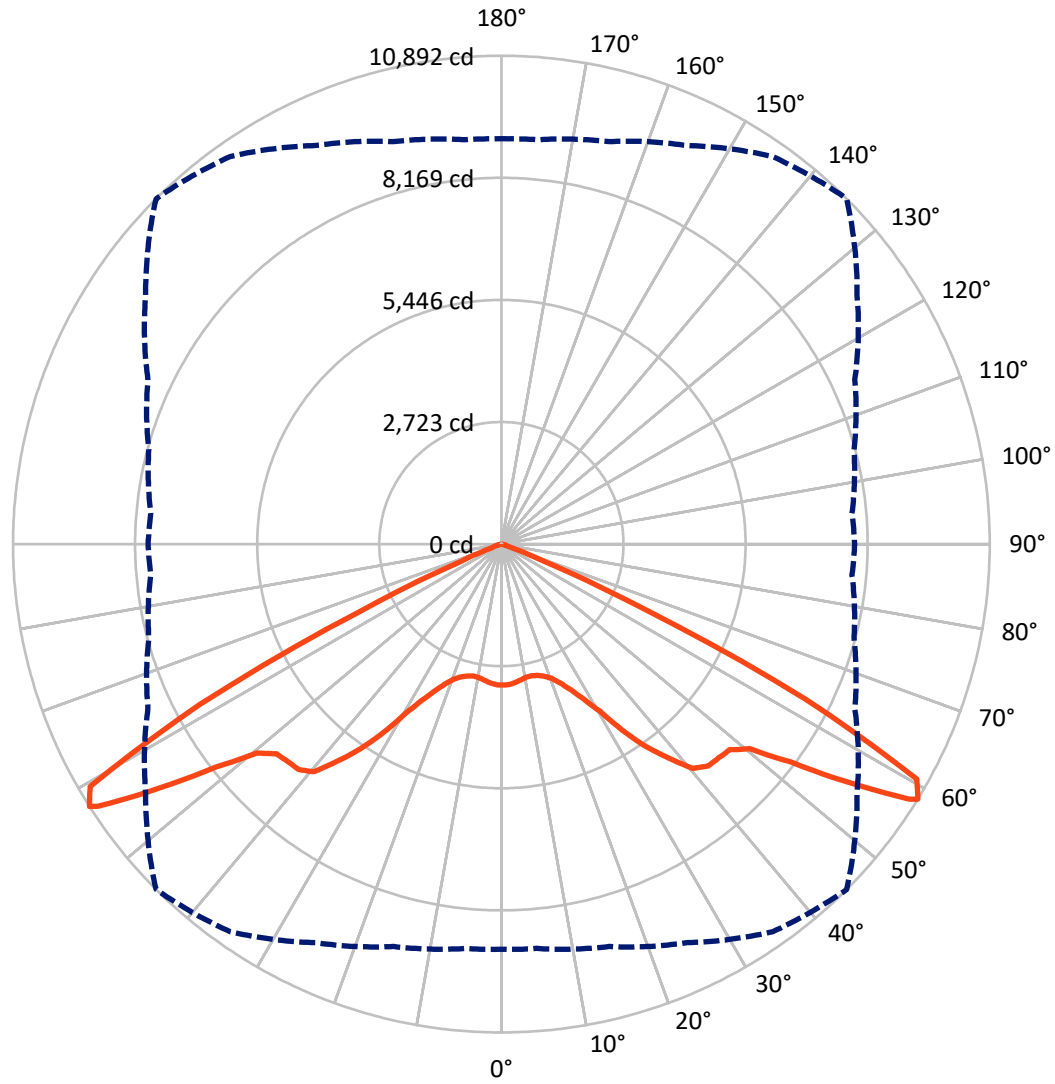
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11080.3	0.0	11080.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11080.3	0.0	11080.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22160.5	0.0	22160.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	1.3
10°-20°	867.6	3.9
20°-30°	1640.9	7.4
30°-40°	3236.2	14.6
40°-50°	5121.2	23.1
50°-60°	7527.8	34.0
60°-70°	3360.1	15.2
70°-80°	112.6	0.5
80°-90°	0.9	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°	22160.5	100.0
0°-180°	22160.5	100.0

Coefficient of Utilization



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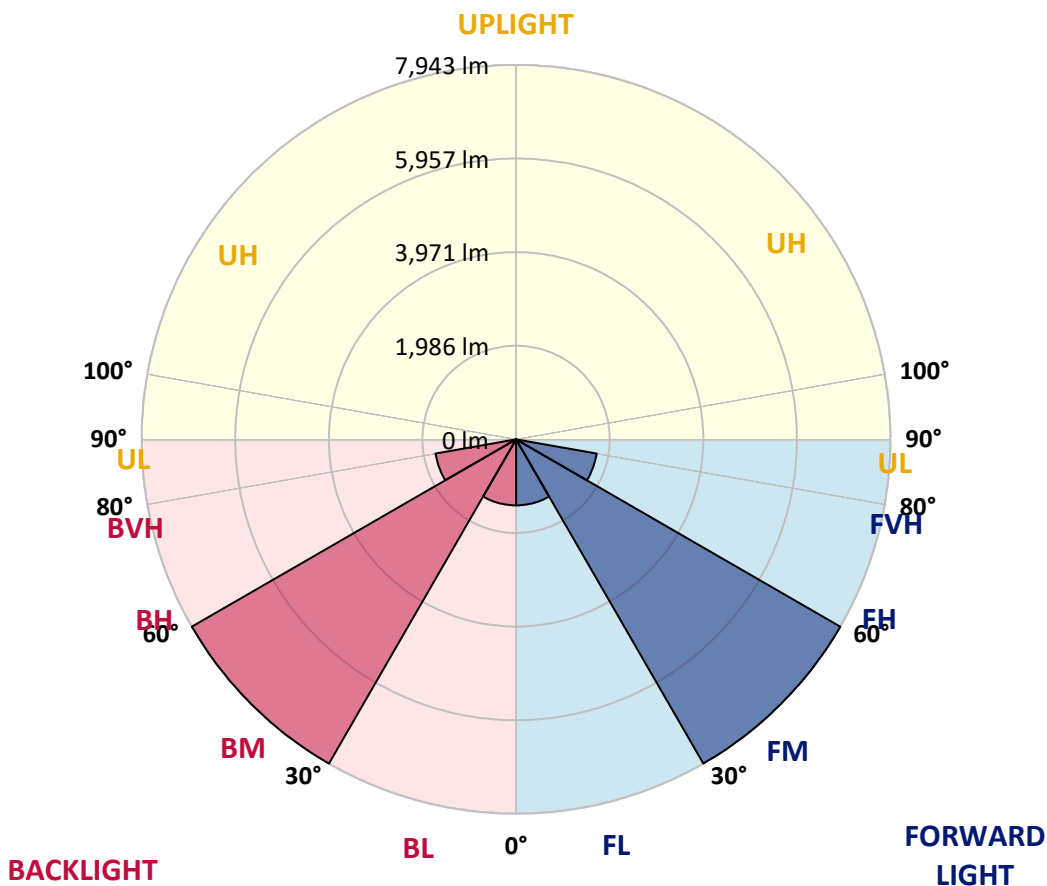
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1400.8	6.3			
FM (30°-60°)	7942.6	35.8			
FH (60°-80°)	1736.3	7.8			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1400.8	6.3	B3/2500		
BM (30°-60°)	7942.6	35.8	B4/8500		
BH (60°-80°)	1736.3	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.5	0.0			G0/10
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°	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7	3142.7
2.5°	3112.5	3118.5	3124.5	3127.6	3130.6	3139.6	3142.7	3133.6	3133.6	3115.5	3136.6
5°	3097.4	3103.4	3109.4	3106.4	3106.4	3106.4	3103.4	3091.3	3088.3	3070.2	3091.3
7.5°	3070.2	3076.2	3076.2	3067.2	3061.1	3061.1	3058.1	3043.0	3040.0	3021.9	3043.0
10°	3049.1	3052.1	3049.1	3031.0	3018.9	3018.9	3015.9	3009.8	3012.8	3000.8	3018.9
12.5°	3061.1	3064.2	3052.1	3027.9	3012.8	3009.8	3000.8	2991.7	3000.8	2997.7	3015.9
15°	3100.4	3103.4	3082.3	3052.1	3040.0	3040.0	3015.9	2991.7	3003.8	3006.8	3027.9
17.5°	3148.7	3148.7	3121.5	3094.4	3097.4	3097.4	3058.1	3015.9	3018.9	3031.0	3052.1
20°	3206.1	3206.1	3178.9	3172.8	3194.0	3197.0	3148.7	3082.3	3067.2	3076.2	3100.4
22.5°	3308.7	3308.7	3287.6	3302.7	3351.0	3366.1	3293.6	3200.0	3163.8	3169.8	3194.0
25°	3468.7	3468.7	3462.7	3498.9	3568.3	3601.5	3504.9	3381.1	3320.8	3311.7	3338.9
27.5°	3737.4	3740.4	3731.3	3785.7	3873.2	3912.5	3779.6	3616.6	3544.2	3529.1	3556.2
30°	4084.5	4084.5	4087.6	4163.0	4277.8	4329.1	4154.0	3963.8	3879.3	3831.0	3867.2
32.5°	4471.0	4477.0	4507.2	4634.0	4836.2	4941.9	4685.3	4419.6	4283.8	4232.5	4271.7
35°	5107.9	5050.6	5014.4	5107.9	5400.8	5539.6	5210.6	4899.6	4797.0	4791.0	4890.6
37.5°	5738.9	5705.7	5630.2	5726.8	5989.5	6052.9	5690.6	5431.0	5358.5	5397.8	5497.4
40°	6240.0	6179.6	6080.0	6170.6	6514.7	6578.1	6131.3	5874.7	5847.6	5935.1	6071.0
42.5°	6635.5	6551.0	6418.1	6439.3	6717.0	6762.3	6366.8	6173.6	6191.7	6300.4	6454.4
45°	6813.6	6747.2	6629.5	6620.4	6795.5	6798.5	6487.6	6387.9	6436.3	6520.8	6641.5
47.5°	6889.1	6858.9	6792.5	6777.4	6877.0	6852.9	6659.6	6617.4	6662.7	6686.8	6756.3
50°	7076.3	7076.3	7085.3	7097.4	7200.0	7175.9	7040.0	6991.7	6934.4	6849.8	6871.0
52.5°	7601.5	7622.7	7710.2	7806.8	7994.0	8072.5	7852.1	7571.4	7296.6	7112.5	7112.5
55°	8549.5	8570.6	8673.2	8836.3	9180.4	9367.6	8854.4	8235.5	7858.1	7607.6	7640.8
57.5°	9071.7	9095.9	9307.2	9748.0	10415.1	10732.1	9630.2	8712.5	8184.2	7897.4	7921.5
58°	9038.5	9053.6	9292.1	9808.3	10551.0	10892.1	9684.6	8697.4	8141.9	7849.1	7879.3
60°	8030.2	8009.1	8389.5	9126.1	10173.6	10644.6	9144.2	7939.7	7293.6	6994.7	7009.8
62.5°	5249.8	5261.9	5591.0	6360.8	7175.9	7619.7	6387.9	5491.3	4972.1	4791.0	4745.7
65°	2191.7	2152.5	2354.7	2783.4	3272.5	3520.0	3024.9	2560.0	2240.0	2119.3	2152.5
67.5°	564.5	549.4	561.5	703.4	860.4	1017.4	854.3	652.1	567.5	573.6	573.6
70°	320.0	301.9	244.5	226.4	220.4	220.4	220.4	220.4	253.6	298.9	307.9
72.5°	241.5	226.4	178.1	154.0	135.8	126.8	132.8	154.0	184.2	223.4	229.4
75°	120.8	120.8	108.7	102.6	90.6	84.5	87.5	96.6	111.7	126.8	123.8
77.5°	24.2	27.2	30.2	36.2	30.2	30.2	30.2	36.2	36.2	39.2	36.2
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	0.0	3.0	3.0	0.0	0.0	0.0	0.0	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	0.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)