

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: P641315

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
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
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43608.5 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

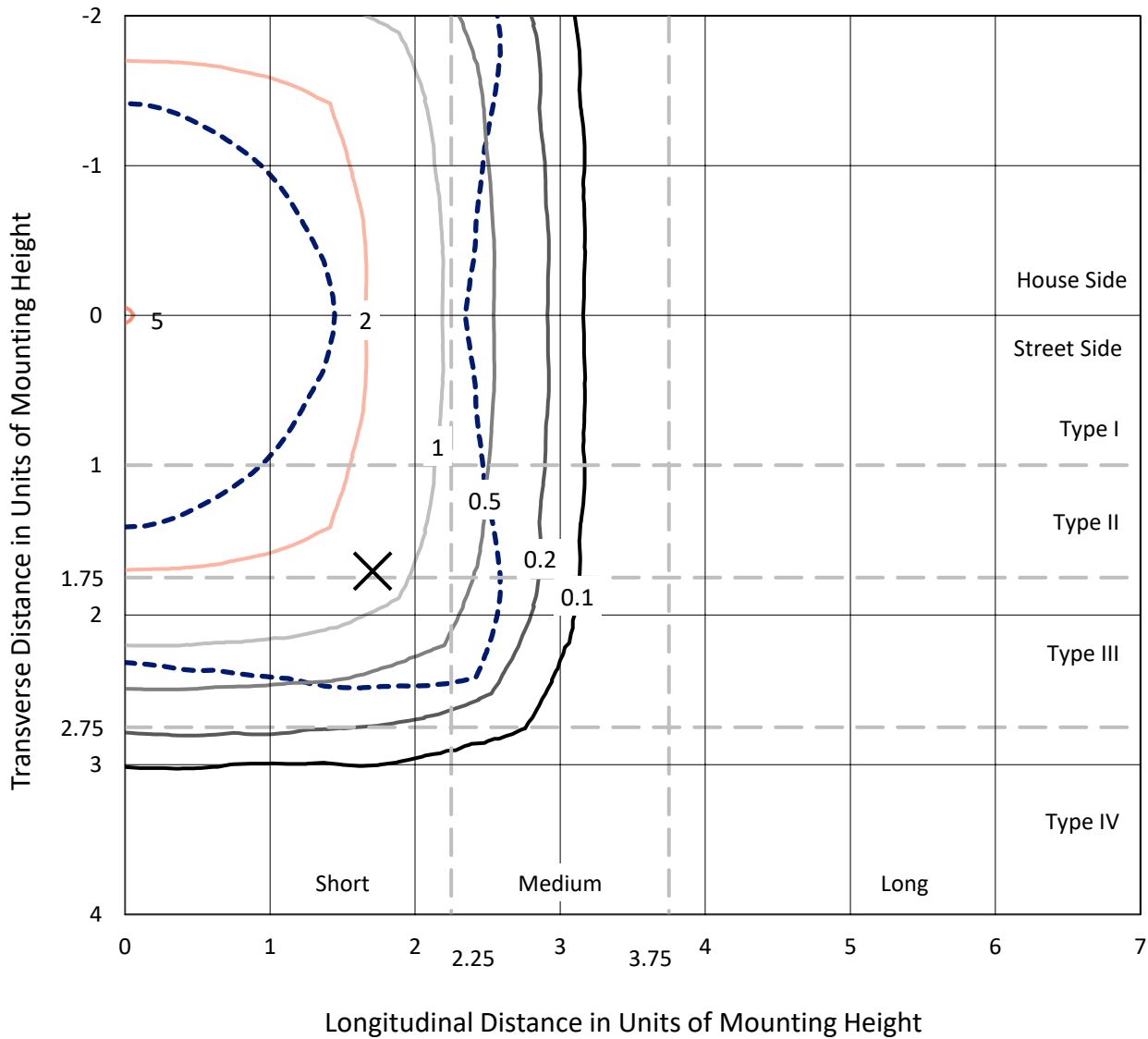
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

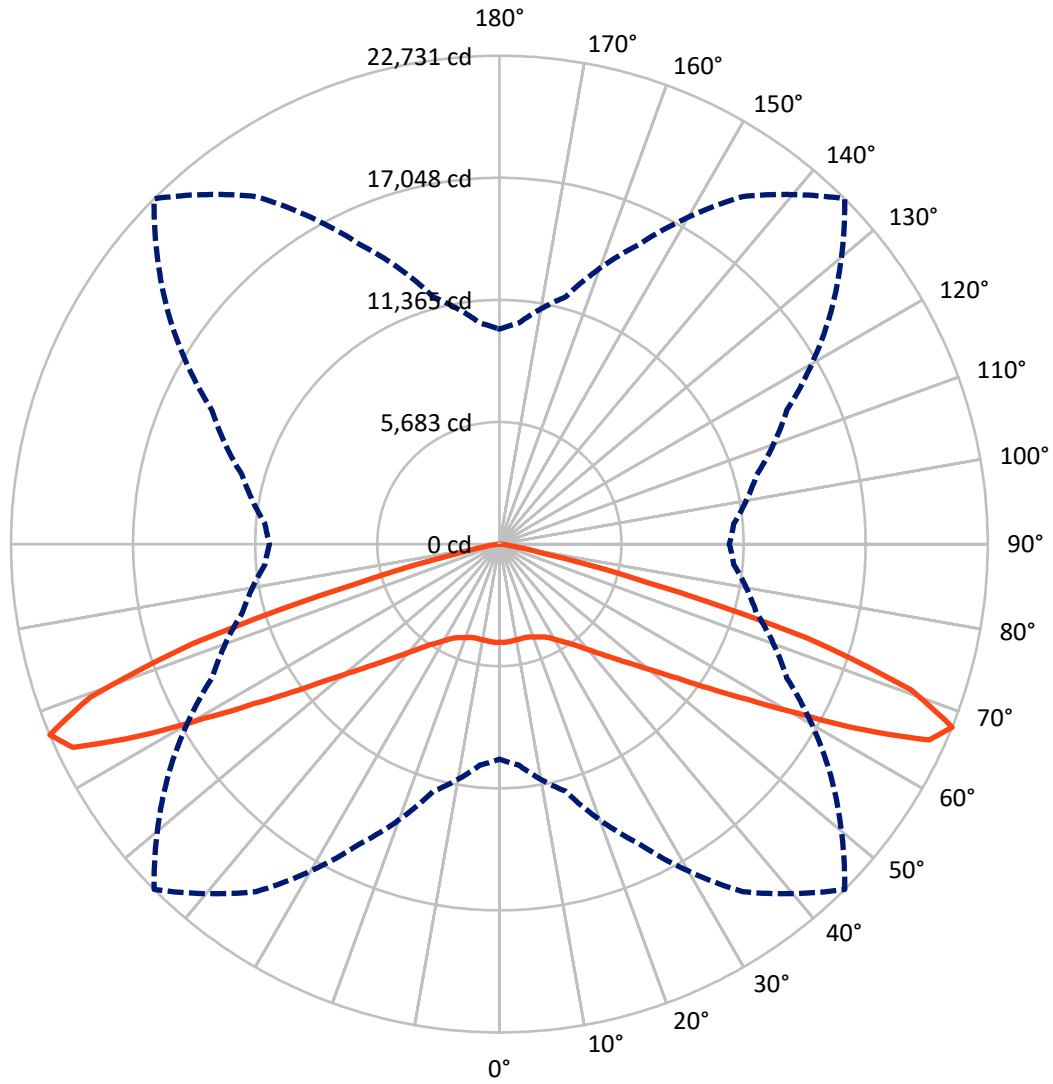
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21804.2	0.0	21804.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21804.2	0.0	21804.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	43608.5	0.0	43608.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.3	1.0
10°-20°	1269.6	2.9
20°-30°	2189.7	5.0
30°-40°	3560.6	8.2
40°-50°	5995.3	13.7
50°-60°	10622.6	24.4
60°-70°	15184.2	34.8
70°-80°	4167.4	9.6
80°-90°	186.7	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°	43608.5	100.0
0°-180°	43608.5	100.0

Coefficient of Utilization



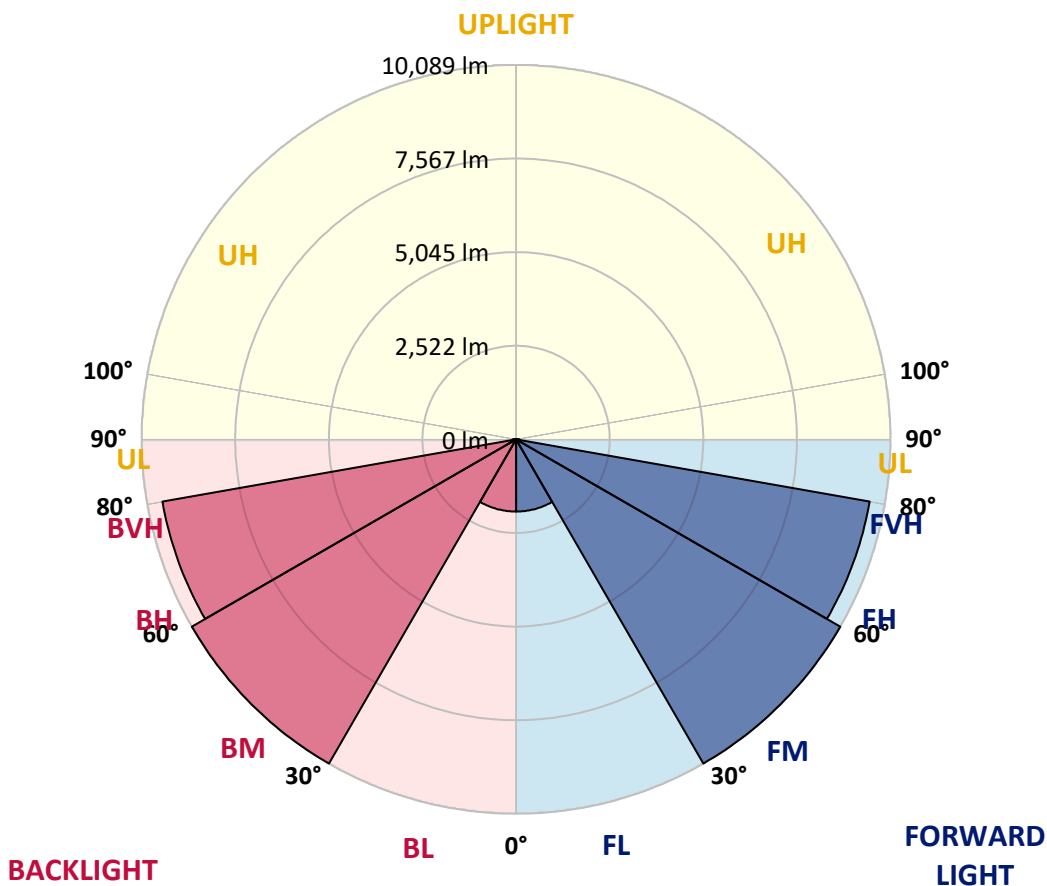
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1945.8	4.5			
FM (30°-60°)	10089.2	23.1			
FH (60°-80°)	9675.8	22.2			G4/12000
FVH (80°-90°)	93.4	0.2			G1/100
BL (0°-30°)	1945.8	4.5	B3/2500		
BM (30°-60°)	10089.2	23.1	B5		
BH (60°-80°)	9675.8	22.2	B5		G4/12000
BVH (80°-90°)	93.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2	4567.2
2.5°	4537.0	4534.0	4549.1	4558.2	4555.1	4576.3	4573.3	4567.2	4567.2	4558.2	4582.3
5°	4537.0	4534.0	4546.1	4549.1	4543.1	4561.2	4555.1	4549.1	4549.1	4537.0	4558.2
7.5°	4512.9	4515.9	4525.0	4531.0	4525.0	4540.1	4531.0	4518.9	4515.9	4503.8	4525.0
10°	4467.6	4470.6	4479.7	4494.8	4497.8	4525.0	4509.9	4488.7	4479.7	4467.6	4488.7
12.5°	4440.4	4443.5	4452.5	4470.6	4476.7	4512.9	4497.8	4464.6	4449.5	4437.4	4458.6
15°	4434.4	4437.4	4449.5	4467.6	4476.7	4512.9	4497.8	4458.6	4437.4	4422.3	4440.4
17.5°	4434.4	4440.4	4458.6	4485.7	4503.8	4540.1	4521.9	4476.7	4446.5	4419.3	4437.4
20°	4437.4	4446.5	4473.6	4512.9	4558.2	4609.5	4585.3	4525.0	4482.7	4449.5	4461.6
22.5°	4464.6	4479.7	4512.9	4564.2	4630.6	4691.0	4669.9	4588.4	4528.0	4482.7	4494.8
25°	4558.2	4564.2	4606.5	4672.9	4736.3	4787.6	4766.5	4691.0	4615.5	4561.2	4576.3
27.5°	4724.2	4739.3	4775.5	4844.9	4899.3	4926.4	4923.4	4872.1	4796.6	4748.3	4760.4
30°	4923.4	4938.5	4986.8	5065.3	5119.6	5149.8	5140.8	5101.5	5032.1	4965.7	4977.8
32.5°	5155.9	5161.9	5219.3	5306.8	5364.1	5409.4	5379.2	5337.0	5249.4	5171.0	5177.0
35°	5451.7	5460.7	5521.1	5602.6	5647.9	5684.1	5678.1	5635.8	5542.2	5457.7	5478.9
37.5°	5823.0	5829.0	5883.4	5986.0	6022.2	6049.4	6055.4	6034.3	5937.7	5829.0	5850.1
40°	6284.8	6287.9	6348.2	6438.8	6478.0	6496.1	6499.2	6502.2	6402.6	6321.1	6315.0
42.5°	6822.2	6837.2	6921.8	7009.3	7027.4	7018.4	7048.6	7078.7	6982.1	6870.5	6879.5
45°	7465.1	7474.2	7588.9	7685.5	7652.3	7622.1	7679.5	7739.8	7652.3	7507.4	7465.1
47.5°	8225.8	8243.9	8367.7	8464.3	8410.0	8355.6	8449.2	8512.6	8370.7	8216.8	8177.5
50°	9086.1	9098.2	9273.3	9394.0	9330.7	9231.0	9348.8	9415.2	9225.0	9034.8	8950.3
52.5°	10103.4	10079.3	10311.7	10523.0	10483.8	10354.0	10450.6	10462.7	10178.9	9910.2	9825.7
55°	11344.1	11319.9	11552.4	11784.8	11881.4	11848.2	11802.9	11730.5	11310.9	11024.1	10945.6
57.5°	12790.0	12714.6	13040.6	13354.5	13565.8	13626.2	13433.0	13264.0	12931.9	12578.7	12488.2
60°	14133.3	14130.3	14646.5	15189.9	15769.4	16010.9	15521.9	15063.1	14317.5	13674.5	13544.7
62.5°	14510.7	14574.1	15419.3	16765.6	18196.4	19050.7	17761.8	16243.4	14803.5	13834.5	13662.4
65°	13580.9	13737.9	14939.3	17064.4	19889.9	21978.8	19068.8	16270.5	14263.1	13055.7	12874.6
67.5°	10009.9	10323.8	11914.6	15398.1	19745.0	22730.5	18836.4	14764.2	12388.6	10951.7	10701.1
70°	4938.5	5237.4	6499.2	10130.6	16246.4	20318.6	16297.7	11126.8	8367.7	6985.2	6755.7
72.5°	1817.2	1938.0	2433.0	4334.8	8965.4	15008.7	11144.9	6215.4	4054.1	3226.9	3073.0
75°	890.5	911.6	987.1	1455.0	3308.4	7063.6	5237.4	2384.7	1491.2	1298.0	1255.8
77.5°	567.5	576.6	612.8	694.3	1062.6	2224.7	1587.8	941.8	730.5	700.3	700.3
80°	317.0	326.0	374.3	431.7	498.1	763.7	570.5	564.5	480.0	419.6	410.5
82.5°	150.9	166.0	238.5	235.5	262.6	383.4	335.1	304.9	307.9	232.4	220.4
85°	69.4	69.4	93.6	111.7	117.7	129.8	154.0	175.1	172.1	117.7	126.8
87.5°	33.2	33.2	33.2	30.2	27.2	24.1	33.2	54.3	78.5	54.3	51.3
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)