

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: P641321

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
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
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42690.8 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

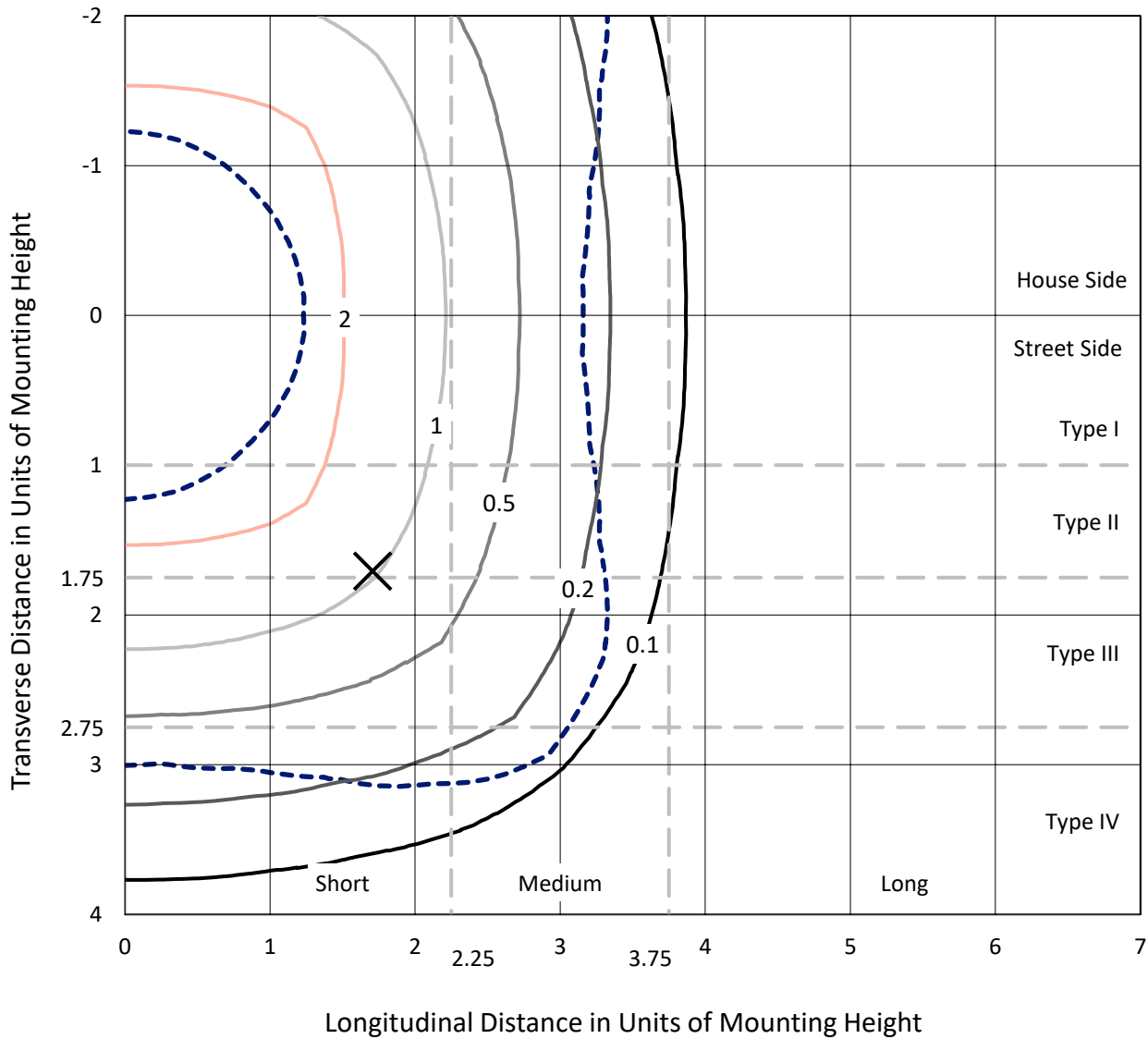
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641321
 CATALOG NUMBER: GWS-SA5F-760-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

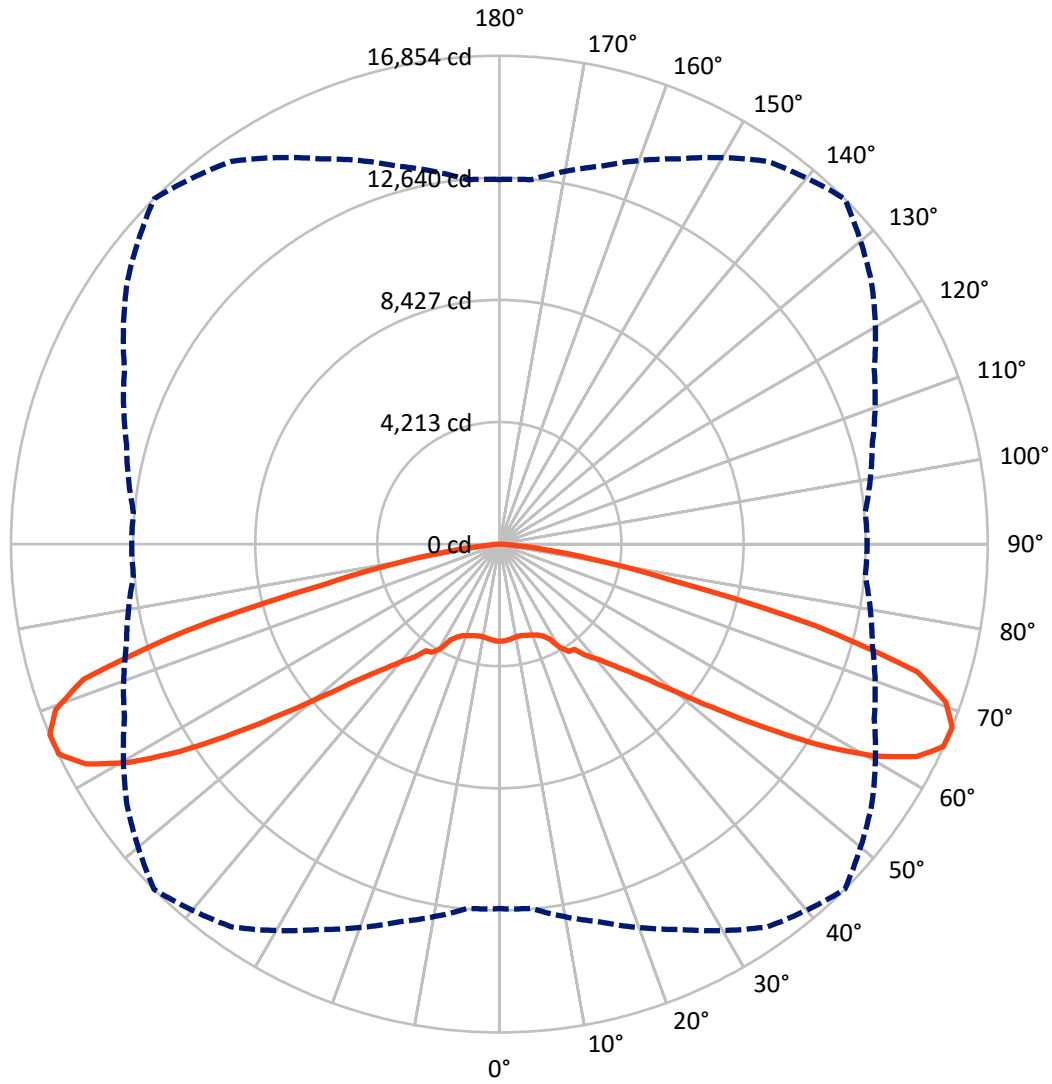
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P641321
CATALOG NUMBER: GWS-SA5F-760-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641321

CATALOG NUMBER: GWS-SA5F-760-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21345.4	0.0	21345.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21345.4	0.0	21345.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	42690.8	0.0	42690.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.3	0.7
10°-20°	932.8	2.2
20°-30°	1673.3	3.9
30°-40°	2826.7	6.6
40°-50°	4966.6	11.6
50°-60°	9580.7	22.4
60°-70°	13900.3	32.6
70°-80°	7953.2	18.6
80°-90°	542.8	1.3
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°	42690.8	100.0
0°-180°	42690.8	100.0

Coefficient of Utilization



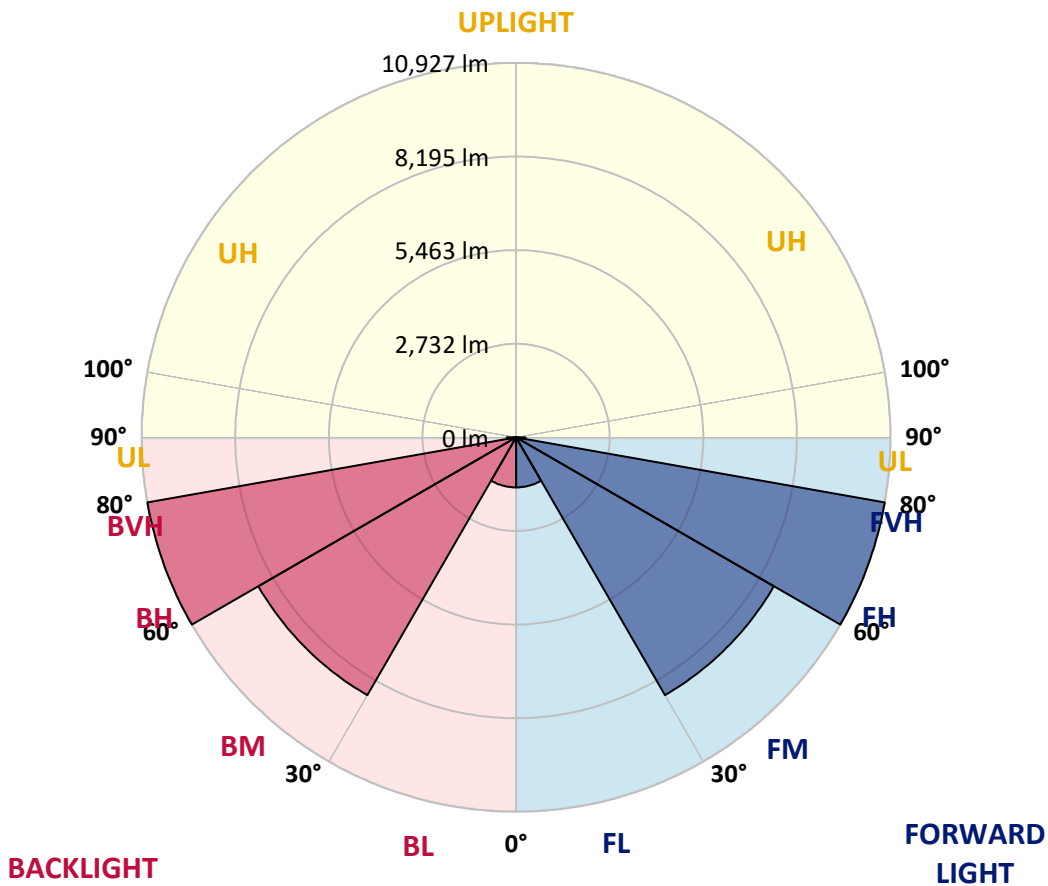
REPORT NUMBER: P641321

CATALOG NUMBER: GWS-SA5F-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.2	3.4			
FM (30°-60°)	8687.0	20.3			
FH (60°-80°)	10926.7	25.6			G4/12000
FVH (80°-90°)	271.4	0.6			G3/500
BL (0°-30°)	1460.2	3.4	B3/2500		
BM (30°-60°)	8687.0	20.3	B5		
BH (60°-80°)	10926.7	25.6	B5		G4/12000
BVH (80°-90°)	271.4	0.6			G3/500
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





REPORT NUMBER: P641321
 CATALOG NUMBER: GWS-SA5F-760-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8	3347.8
2.5°	3320.7	3323.7	3329.7	3329.7	3335.8	3344.8	3347.8	3341.8	3344.8	3329.7	3344.8
5°	3311.6	3314.6	3317.6	3311.6	3311.6	3314.6	3314.6	3308.6	3311.6	3296.5	3311.6
7.5°	3290.5	3293.5	3293.5	3284.4	3275.4	3281.4	3281.4	3275.4	3278.4	3263.3	3281.4
10°	3272.4	3272.4	3269.3	3251.2	3242.2	3251.2	3254.2	3257.3	3269.3	3257.3	3278.4
12.5°	3284.4	3284.4	3275.4	3251.2	3236.1	3242.2	3248.2	3254.2	3275.4	3272.4	3296.5
15°	3317.6	3320.7	3296.5	3269.3	3260.3	3269.3	3263.3	3260.3	3287.5	3296.5	3323.7
17.5°	3344.8	3344.8	3314.6	3287.5	3290.5	3305.6	3293.5	3278.4	3305.6	3323.7	3353.9
20°	3369.0	3365.9	3332.7	3314.6	3326.7	3347.8	3338.8	3317.6	3335.8	3356.9	3384.1
22.5°	3429.3	3426.3	3390.1	3381.0	3393.1	3414.2	3405.2	3387.1	3408.2	3438.4	3471.6
25°	3601.4	3595.4	3541.0	3510.8	3504.8	3519.9	3516.9	3510.8	3544.1	3580.3	3619.5
27.5°	3830.8	3827.8	3788.6	3758.4	3719.1	3707.1	3716.1	3743.3	3791.6	3818.8	3852.0
30°	3945.5	3945.5	3939.5	3987.8	4072.3	4153.8	4090.5	3987.8	3945.5	3933.5	3966.7
32.5°	4096.5	4111.6	4090.5	4144.8	4286.7	4407.4	4286.7	4120.6	4090.5	4090.5	4126.7
35°	4443.6	4449.7	4416.5	4407.4	4452.7	4467.8	4410.4	4350.1	4383.3	4389.3	4434.6
37.5°	4721.4	4721.4	4706.3	4730.4	4824.0	4881.4	4787.8	4679.1	4688.2	4694.2	4751.6
40°	5150.0	5162.1	5125.9	5122.9	5159.1	5210.4	5110.8	5041.4	5089.7	5104.8	5192.3
42.5°	5684.4	5684.4	5630.0	5614.9	5639.1	5693.4	5599.8	5554.6	5618.0	5630.0	5681.3
45°	6321.3	6336.4	6264.0	6236.8	6248.9	6267.0	6200.6	6179.4	6239.8	6267.0	6357.6
47.5°	7097.2	7112.3	7048.9	7045.8	7033.8	7045.8	6982.4	6970.4	7018.7	6997.5	7094.1
50°	8054.1	8081.3	8026.9	8102.4	8093.4	8129.6	8042.0	7978.6	7978.6	7921.3	7975.6
52.5°	9125.8	9180.1	9207.3	9334.1	9430.7	9521.2	9376.3	9276.7	9131.8	9014.1	9162.0
55°	10294.0	10279.0	10451.0	10728.8	11012.5	11226.9	10943.1	10629.1	10393.7	10149.1	10206.5
57.5°	11317.4	11368.7	11595.1	12102.3	12663.8	13116.6	12606.4	12002.7	11468.4	11118.2	11166.5
60°	12168.7	12211.0	12512.9	13243.4	14224.5	14849.4	14040.4	13044.2	12268.3	11785.3	11836.6
62.5°	12953.6	12992.8	13297.7	14103.8	15341.5	16156.5	15112.0	13750.6	12887.2	12401.2	12431.3
65°	13406.4	13430.6	13847.2	14695.4	15999.5	16841.8	15664.5	14260.7	13412.5	12917.4	12935.5
67.5°	12582.3	12621.5	13500.0	14671.3	16126.3	16853.9	15688.6	14275.8	13321.9	12675.9	12691.0
70°	9925.8	9892.6	10940.1	12953.6	15398.8	16346.7	14991.3	13204.2	11731.0	10828.4	10813.3
72.5°	7568.1	7577.1	8159.8	9539.4	12555.1	15084.9	13228.3	10632.2	9044.3	8359.0	8331.8
75°	5488.1	5572.7	6046.6	7057.9	8781.6	11275.2	9959.0	7879.0	6816.4	6405.9	6345.5
77.5°	2472.4	2581.1	3242.2	4431.6	5871.5	6230.8	6254.9	5349.3	4036.1	3353.9	3248.2
80°	721.5	772.8	993.2	1699.6	2735.0	3535.0	2807.5	2360.7	1470.1	1153.2	1098.8
82.5°	304.9	347.2	425.6	470.9	793.9	1639.2	1020.3	649.0	603.8	489.0	446.8
85°	129.8	138.9	178.1	190.2	256.6	350.2	323.0	292.8	280.7	217.4	199.2
87.5°	54.3	54.3	54.3	48.3	45.3	48.3	66.4	84.5	111.7	87.5	81.5
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)