

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: P636260

Luminaire Tested: GWS-SA3F-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20649.7 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

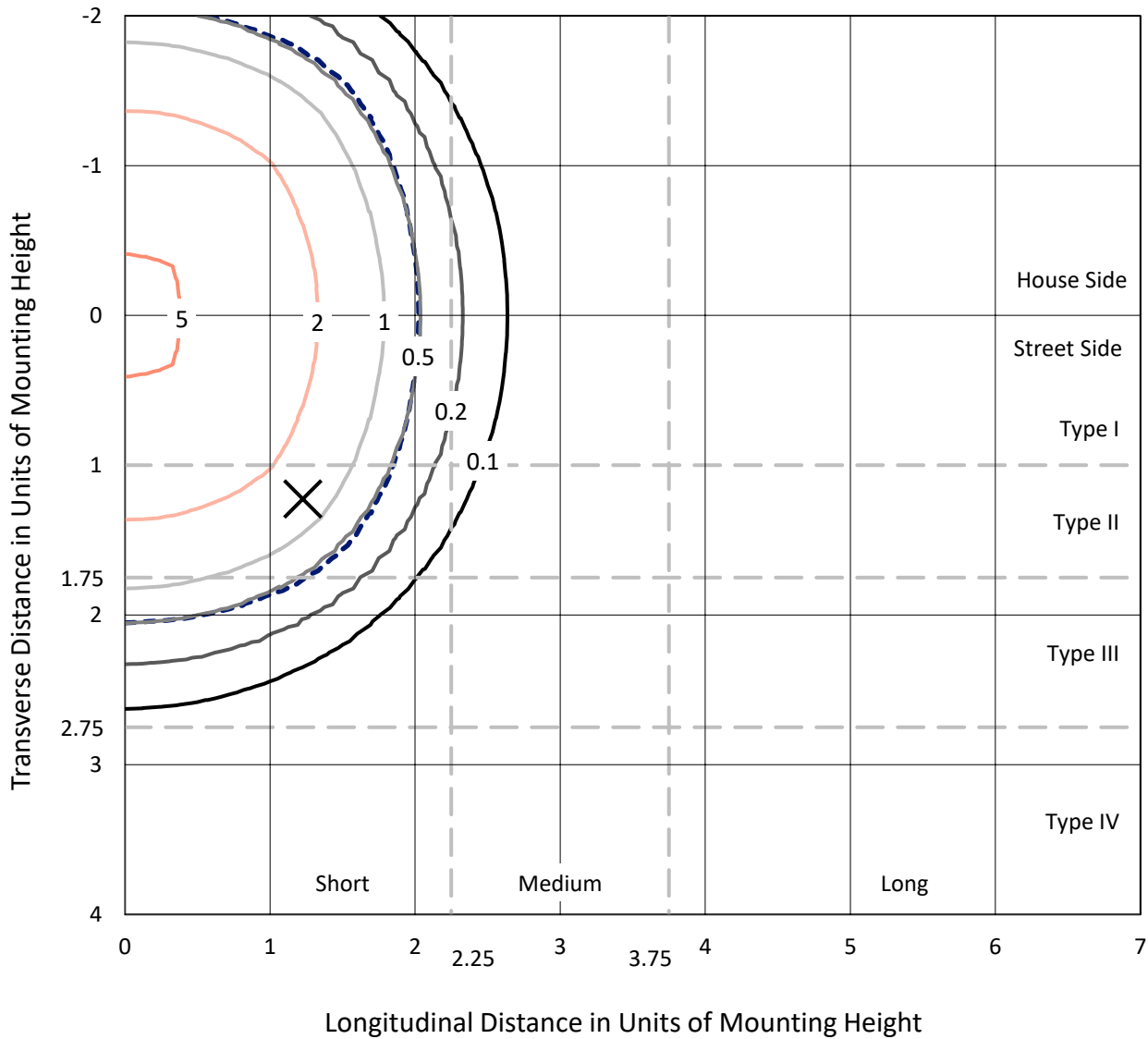
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636260
 CATALOG NUMBER: GWS-SA3F-740-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

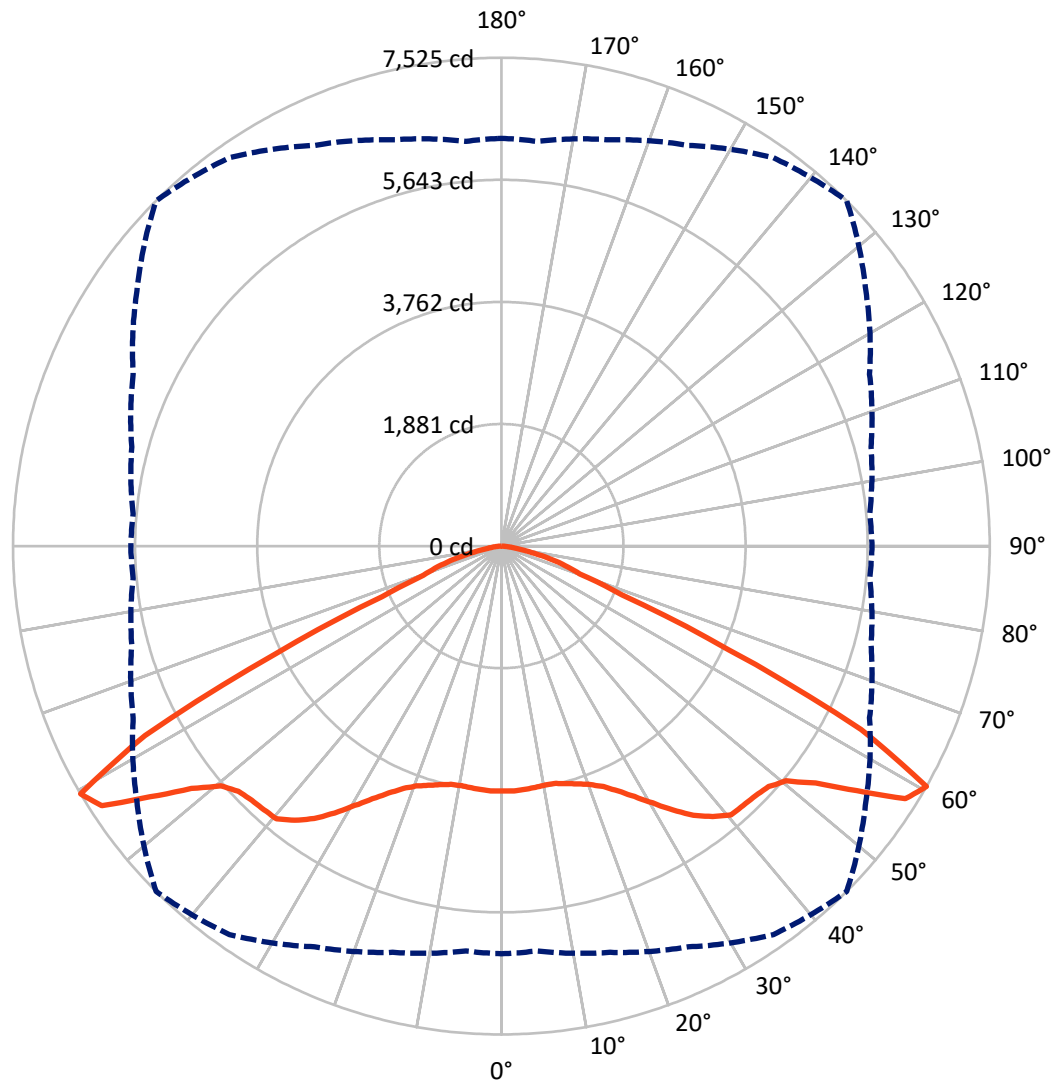
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P636260
CATALOG NUMBER: GWS-SA3F-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P636260

CATALOG NUMBER: GWS-SA3F-740-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10324.8	0.0	10324.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10324.8	0.0	10324.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20649.7	0.0	20649.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.9	1.7
10°-20°	1076.5	5.2
20°-30°	1904.4	9.2
30°-40°	3066.2	14.8
40°-50°	4214.4	20.4
50°-60°	5616.1	27.2
60°-70°	3500.2	17.0
70°-80°	804.9	3.9
80°-90°	109.2	0.5
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°	20649.7	100.0
0°-180°	20649.7	100.0

Coefficient of Utilization



REPORT NUMBER: P636260

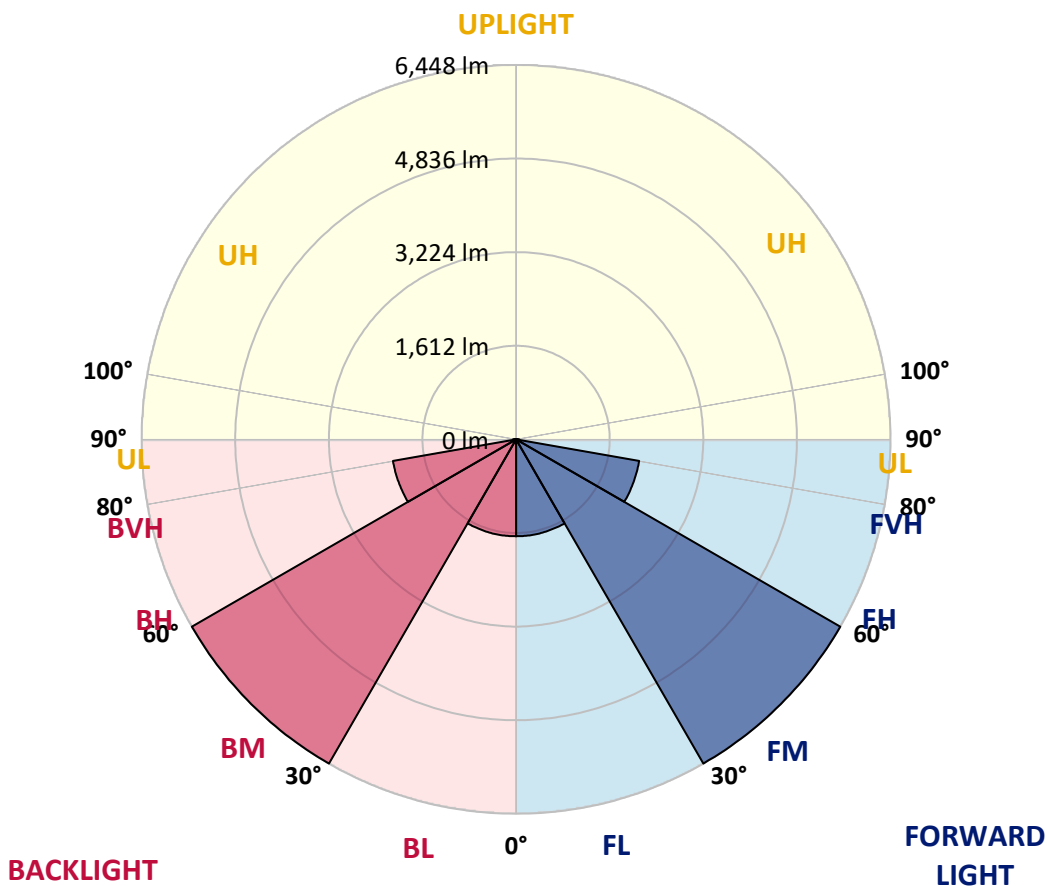
CATALOG NUMBER: GWS-SA3F-740-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.4	8.1			
FM (30°-60°)	6448.3	31.2			
FH (60°-80°)	2152.5	10.4			G2/5000
FVH (80°-90°)	54.6	0.3			G1/100
BL (0°-30°)	1669.4	8.1	B3/2500		
BM (30°-60°)	6448.3	31.2	B4/8500		
BH (60°-80°)	2152.5	10.4	B3/2500		G2/5000
BVH (80°-90°)	54.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P636260

CATALOG NUMBER: GWS-SA3F-740-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7
2.5°	3747.4	3750.9	3757.9	3763.2	3770.2	3777.2	3780.7	3773.7	3770.2	3756.2	3772.0
5°	3750.9	3754.4	3759.7	3759.7	3761.4	3766.7	3766.7	3757.9	3749.2	3733.4	3750.9
7.5°	3745.7	3749.2	3750.9	3749.2	3750.9	3752.7	3749.2	3738.6	3729.9	3715.9	3729.9
10°	3736.9	3740.4	3743.9	3740.4	3736.9	3742.2	3742.2	3735.1	3729.9	3715.9	3731.6
12.5°	3756.2	3761.4	3763.2	3754.4	3750.9	3752.7	3752.7	3745.7	3745.7	3733.4	3750.9
15°	3801.7	3805.3	3800.0	3789.5	3791.2	3796.5	3784.2	3766.7	3763.2	3757.9	3772.0
17.5°	3836.8	3840.3	3835.0	3828.0	3840.3	3852.6	3829.8	3796.5	3786.0	3782.5	3798.2
20°	3875.4	3880.6	3873.6	3882.4	3906.9	3920.9	3892.9	3847.3	3826.3	3821.0	3840.3
22.5°	3938.5	3945.5	3945.5	3964.8	4001.6	4024.3	3989.3	3927.9	3896.4	3887.6	3906.9
25°	4038.4	4043.6	4048.9	4087.4	4147.0	4178.6	4122.5	4038.4	3994.6	3980.5	3991.0
27.5°	4176.8	4185.6	4194.4	4250.5	4324.1	4369.6	4289.0	4183.9	4129.5	4101.5	4122.5
30°	4341.6	4353.9	4374.9	4438.0	4541.4	4592.2	4488.8	4360.9	4299.5	4269.7	4297.8
32.5°	4566.0	4567.7	4583.5	4653.6	4790.3	4848.1	4718.4	4576.5	4513.4	4478.3	4494.1
35°	4832.4	4834.1	4809.6	4881.5	5028.7	5093.5	4941.0	4797.3	4744.7	4734.2	4774.5
37.5°	5105.8	5090.0	5065.5	5097.0	5246.0	5288.1	5126.8	5004.1	4981.4	5000.6	5060.2
40°	5300.4	5274.1	5225.0	5247.8	5398.5	5447.6	5275.8	5160.1	5153.1	5200.5	5272.3
42.5°	5426.6	5398.5	5340.7	5340.7	5444.1	5465.1	5331.9	5270.6	5286.3	5340.7	5409.0
45°	5487.9	5472.1	5438.8	5421.3	5479.1	5487.9	5386.2	5361.7	5391.5	5417.8	5470.4
47.5°	5535.2	5535.2	5524.7	5507.2	5533.5	5538.7	5463.4	5456.4	5494.9	5494.9	5530.0
50°	5619.4	5628.1	5642.2	5638.6	5666.7	5684.2	5628.1	5617.6	5633.4	5582.6	5600.1
52.5°	5840.2	5863.0	5903.3	5934.9	6006.7	6061.1	5961.2	5877.0	5794.6	5682.5	5686.0
55°	6236.3	6246.9	6325.7	6418.6	6539.6	6650.0	6444.9	6183.8	6005.0	5873.5	5875.3
57.5°	6571.1	6586.9	6702.6	6897.1	7168.8	7340.6	6886.6	6450.2	6197.8	6036.5	6041.8
60°	6281.9	6260.9	6480.0	6813.0	7305.5	7524.6	6855.1	6259.1	5896.3	5696.5	5710.5
62.5°	4860.4	4820.1	5063.7	5412.5	6003.2	6222.3	5605.3	5033.9	4690.4	4534.4	4511.6
65°	2958.7	2921.9	3097.1	3311.0	3710.6	3849.1	3566.9	3263.6	2963.9	2869.3	2843.0
67.5°	1610.8	1605.5	1652.9	1758.0	1933.3	1998.2	1943.8	1800.1	1723.0	1656.4	1656.4
70°	1277.8	1267.2	1258.5	1260.2	1276.0	1284.8	1286.5	1279.5	1288.3	1290.0	1283.0
72.5°	1058.7	1055.2	1037.6	1039.4	1032.4	1028.9	1041.1	1048.2	1062.2	1063.9	1063.9
75°	767.7	758.9	767.7	769.5	762.5	762.5	771.2	769.5	776.5	780.0	760.7
77.5°	436.4	436.4	448.7	462.7	473.2	473.2	482.0	482.0	490.8	489.0	485.5
80°	240.1	240.1	247.1	255.9	266.4	276.9	285.7	287.5	292.7	291.0	285.7
82.5°	136.7	138.5	142.0	147.2	157.7	166.5	175.3	177.0	182.3	182.3	177.0
85°	64.9	63.1	64.9	68.4	73.6	80.6	89.4	94.6	98.2	98.2	94.6
87.5°	12.3	14.0	12.3	14.0	15.8	21.0	24.5	28.0	33.3	35.1	31.5
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)