

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: P635765

Luminaire Tested: GWS-SA3E-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635765
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-SA3E-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: 18572.9 lumens
Efficiency: N/A
Efficacy: 116.7 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

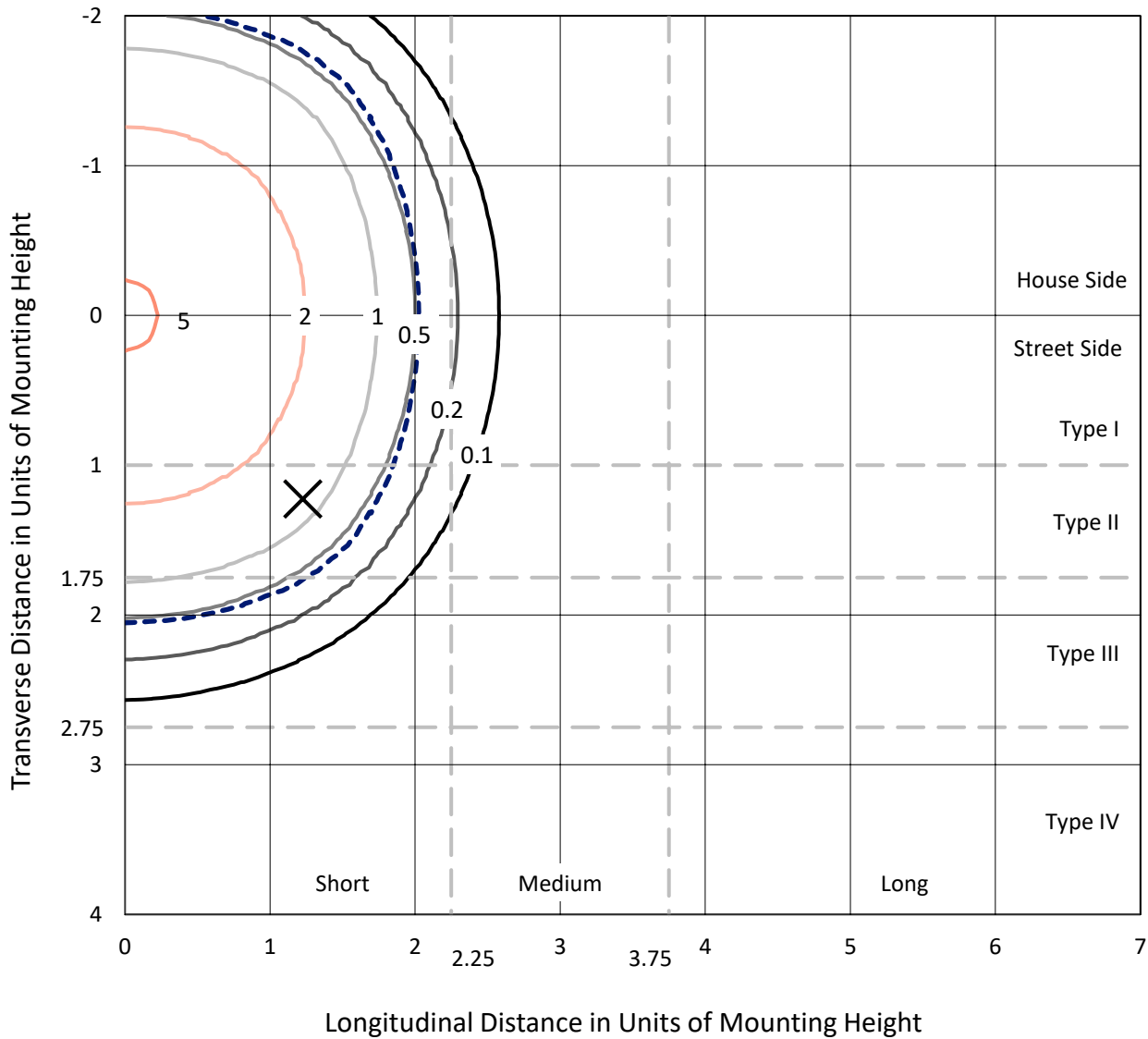
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635765
 CATALOG NUMBER: GWS-SA3E-740-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

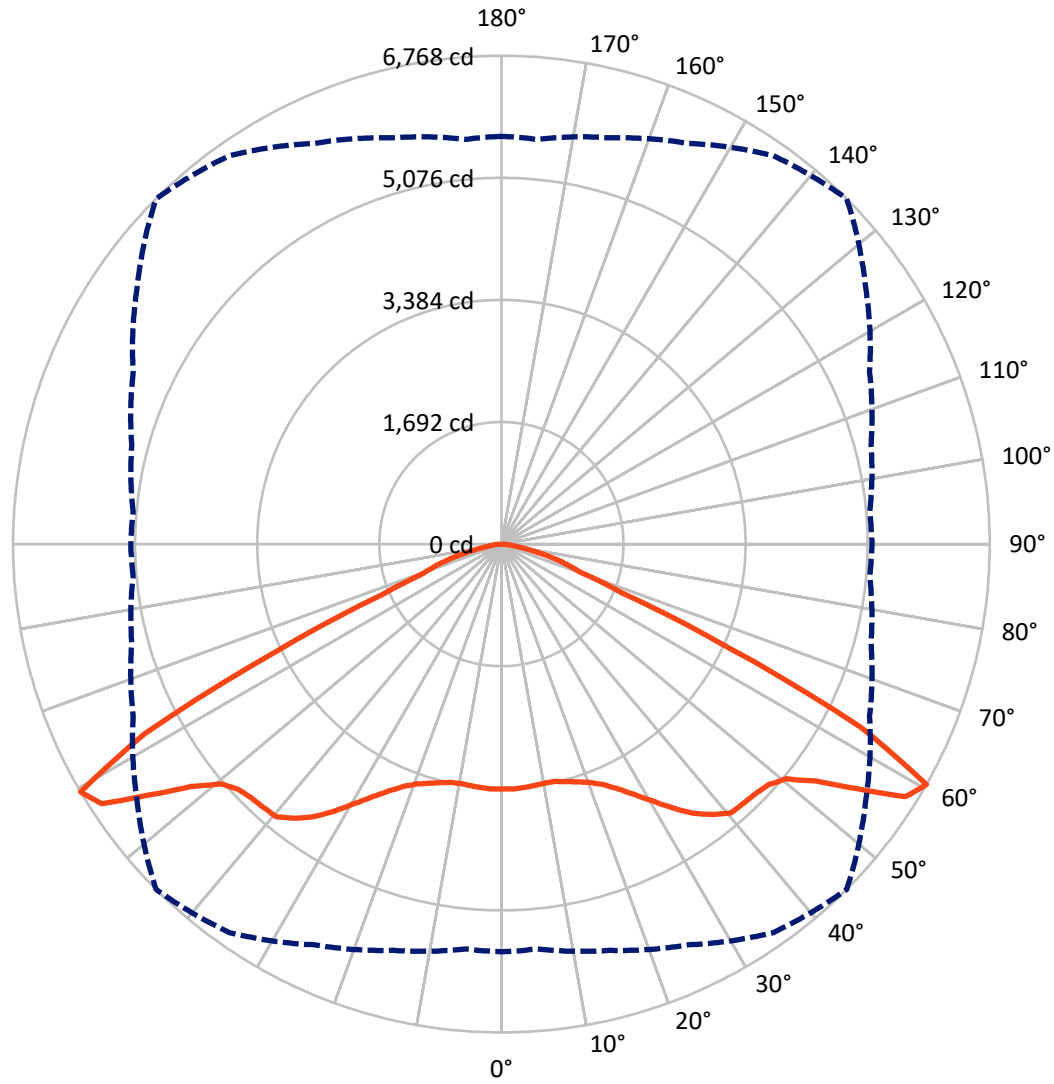
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P635765
CATALOG NUMBER: GWS-SA3E-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635765

CATALOG NUMBER: GWS-SA3E-740-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9286.5	0.0	9286.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9286.5	0.0	9286.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18572.9	0.0	18572.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	1.7
10°-20°	968.2	5.2
20°-30°	1712.9	9.2
30°-40°	2757.8	14.8
40°-50°	3790.5	20.4
50°-60°	5051.3	27.2
60°-70°	3148.2	17.0
70°-80°	723.9	3.9
80°-90°	98.2	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°	18572.9	100.0
0°-180°	18572.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635765

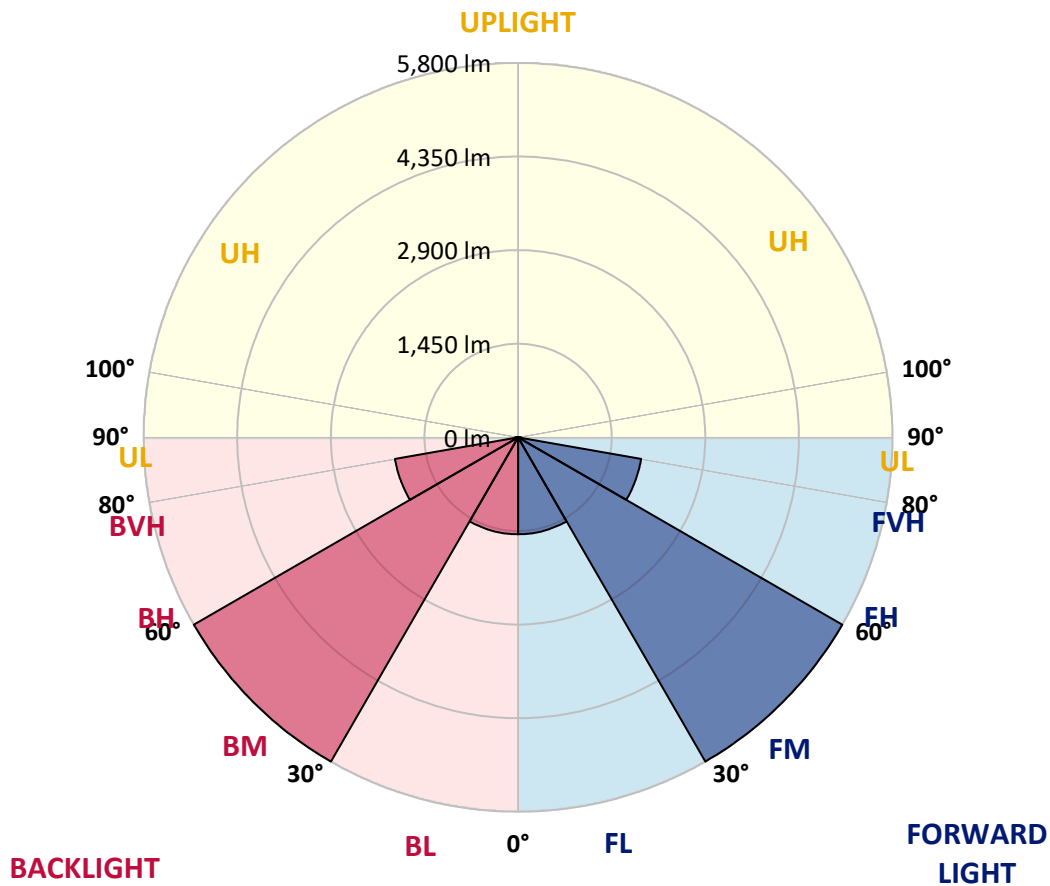
CATALOG NUMBER: GWS-SA3E-740-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1501.5	8.1			
FM (30°-60°)	5799.8	31.2			
FH (60°-80°)	1936.1	10.4			G2/5000
FVH (80°-90°)	49.1	0.3			G1/100
BL (0°-30°)	1501.5	8.1	B3/2500		
BM (30°-60°)	5799.8	31.2	B4/8500		
BH (60°-80°)	1936.1	10.4	B3/2500		G2/5000
BVH (80°-90°)	49.1	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: P635765

CATALOG NUMBER: GWS-SA3E-740-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2	3394.2
2.5°	3370.5	3373.7	3380.0	3384.7	3391.0	3397.3	3400.5	3394.2	3391.0	3378.4	3392.6
5°	3373.7	3376.8	3381.6	3381.6	3383.1	3387.9	3387.9	3380.0	3372.1	3357.9	3373.7
7.5°	3368.9	3372.1	3373.7	3372.1	3373.7	3375.3	3372.1	3362.6	3354.8	3342.1	3354.8
10°	3361.1	3364.2	3367.4	3364.2	3361.1	3365.8	3365.8	3359.5	3354.8	3342.1	3356.3
12.5°	3378.4	3383.1	3384.7	3376.8	3373.7	3375.3	3375.3	3368.9	3368.9	3357.9	3373.7
15°	3419.4	3422.5	3417.8	3408.4	3409.9	3414.7	3403.6	3387.9	3384.7	3380.0	3392.6
17.5°	3450.9	3454.1	3449.3	3443.0	3454.1	3465.1	3444.6	3414.7	3405.2	3402.1	3416.2
20°	3485.6	3490.3	3484.0	3491.9	3514.0	3526.6	3501.4	3460.4	3441.5	3436.7	3454.1
22.5°	3542.4	3548.7	3548.7	3566.0	3599.1	3619.6	3588.1	3532.9	3504.5	3496.6	3514.0
25°	3632.2	3636.9	3641.7	3676.4	3730.0	3758.3	3707.9	3632.2	3592.8	3580.2	3589.7
27.5°	3756.8	3764.6	3772.5	3823.0	3889.2	3930.2	3857.7	3763.1	3714.2	3689.0	3707.9
30°	3905.0	3916.0	3934.9	3991.7	4084.7	4130.4	4037.4	3922.3	3867.1	3840.3	3865.5
32.5°	4106.7	4108.3	4122.5	4185.6	4308.5	4360.6	4243.9	4116.2	4059.4	4027.9	4042.1
35°	4346.4	4347.9	4325.9	4390.5	4522.9	4581.3	4444.1	4314.8	4267.5	4258.1	4294.3
37.5°	4592.3	4578.1	4556.0	4584.4	4718.4	4756.3	4611.2	4500.9	4480.4	4497.7	4551.3
40°	4767.3	4743.6	4699.5	4720.0	4855.6	4899.7	4745.2	4641.2	4634.9	4677.4	4742.1
42.5°	4880.8	4855.6	4803.5	4803.5	4896.6	4915.5	4795.7	4740.5	4754.7	4803.5	4865.0
45°	4936.0	4921.8	4891.8	4876.1	4928.1	4936.0	4844.5	4822.5	4849.3	4872.9	4920.2
47.5°	4978.5	4978.5	4969.1	4953.3	4977.0	4981.7	4913.9	4907.6	4942.3	4942.3	4973.8
50°	5054.2	5062.1	5074.7	5071.6	5096.8	5112.5	5062.1	5052.6	5066.8	5021.1	5036.9
52.5°	5252.8	5273.3	5309.6	5338.0	5402.6	5451.5	5361.6	5286.0	5211.9	5111.0	5114.1
55°	5609.1	5618.6	5689.5	5773.1	5881.9	5981.2	5796.7	5561.8	5401.0	5282.8	5284.4
57.5°	5910.2	5924.4	6028.5	6203.5	6447.8	6602.3	6194.0	5801.5	5574.4	5429.4	5434.1
60°	5650.1	5631.2	5828.3	6127.8	6570.8	6767.8	6165.6	5629.6	5303.3	5123.6	5136.2
62.5°	4371.6	4335.3	4554.5	4868.2	5399.5	5596.5	5041.6	4527.7	4218.7	4078.4	4057.9
65°	2661.1	2628.0	2785.6	2978.0	3337.4	3462.0	3208.1	2935.4	2665.8	2580.7	2557.1
67.5°	1448.8	1444.1	1486.6	1581.2	1738.9	1797.2	1748.3	1619.0	1549.7	1489.8	1489.8
70°	1149.3	1139.8	1131.9	1133.5	1147.7	1155.6	1157.1	1150.8	1158.7	1160.3	1154.0
72.5°	952.2	949.0	933.3	934.9	928.5	925.4	936.4	942.7	955.3	956.9	956.9
75°	690.5	682.6	690.5	692.1	685.8	685.8	693.7	692.1	698.4	701.5	684.2
77.5°	392.5	392.5	403.6	416.2	425.7	425.7	433.5	433.5	441.4	439.8	436.7
80°	216.0	216.0	222.3	230.2	239.6	249.1	257.0	258.5	263.3	261.7	257.0
82.5°	123.0	124.5	127.7	132.4	141.9	149.8	157.6	159.2	164.0	164.0	159.2
85°	58.3	56.8	58.3	61.5	66.2	72.5	80.4	85.1	88.3	88.3	85.1
87.5°	11.0	12.6	11.0	12.6	14.2	18.9	22.1	25.2	30.0	31.5	28.4
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)