

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: P635759

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 19255.5 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

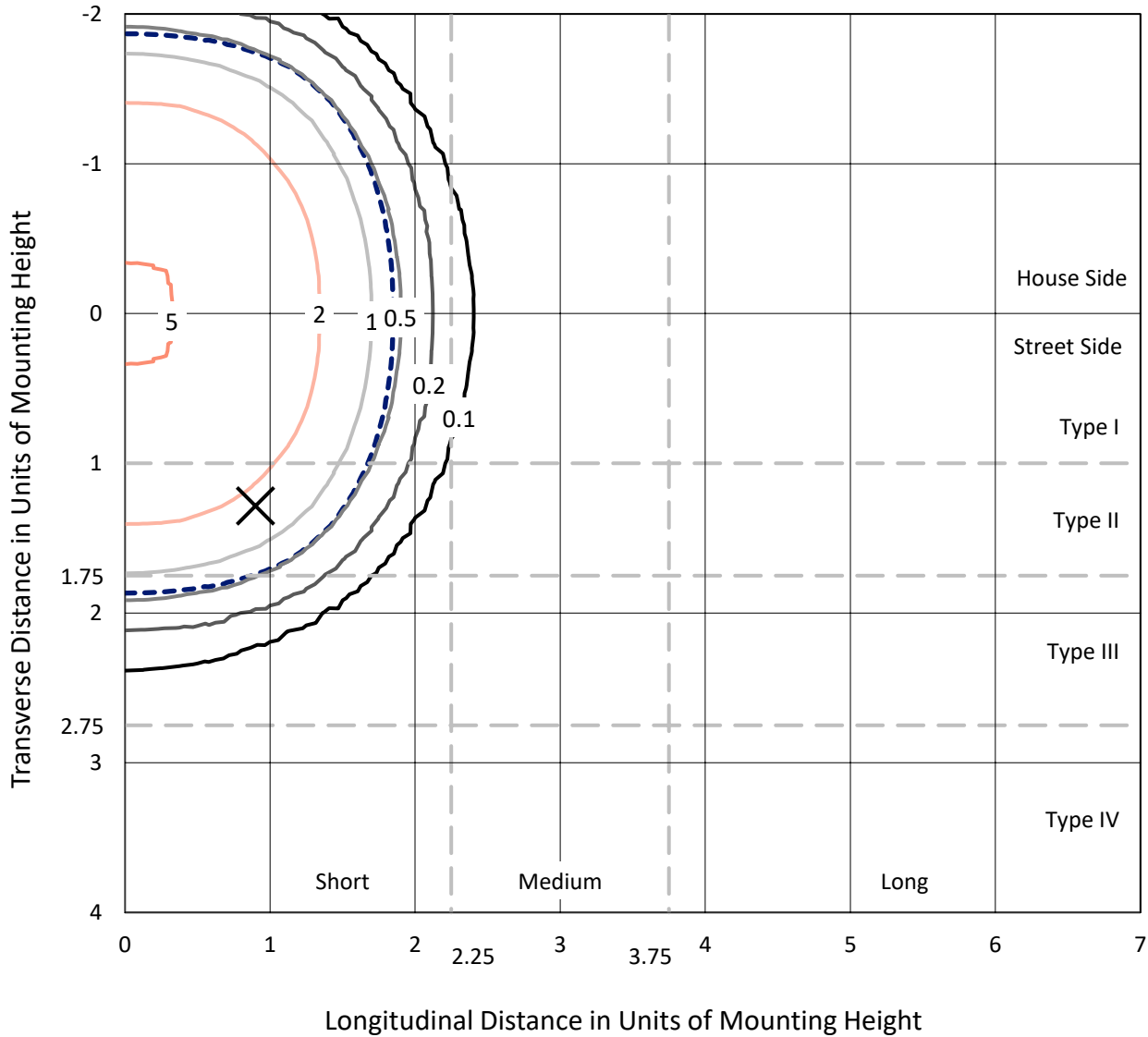


REPORT NUMBER: P635759

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

Iso-Footcandle Lines of Horizontal Illumination

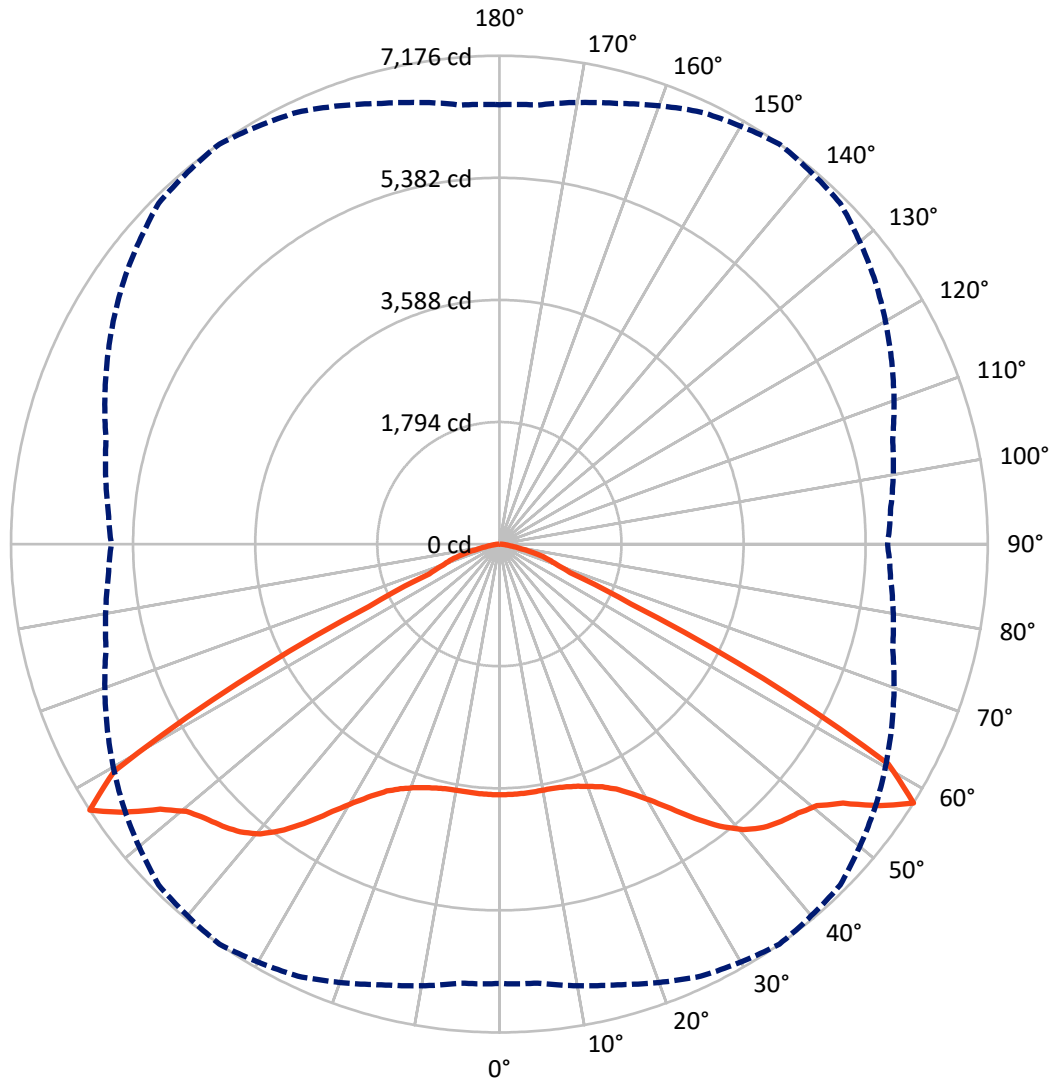
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

REPORT NUMBER: P635759
CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635759

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9627.8	0.0	9627.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9627.8	0.0	9627.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19255.5	0.0	19255.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.5	1.8
10°-20°	1045.7	5.4
20°-30°	1824.6	9.5
30°-40°	2991.9	15.5
40°-50°	4406.4	22.9
50°-60°	5623.3	29.2
60°-70°	2369.9	12.3
70°-80°	566.1	2.9
80°-90°	77.1	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°	19255.5	100.0
0°-180°	19255.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635759

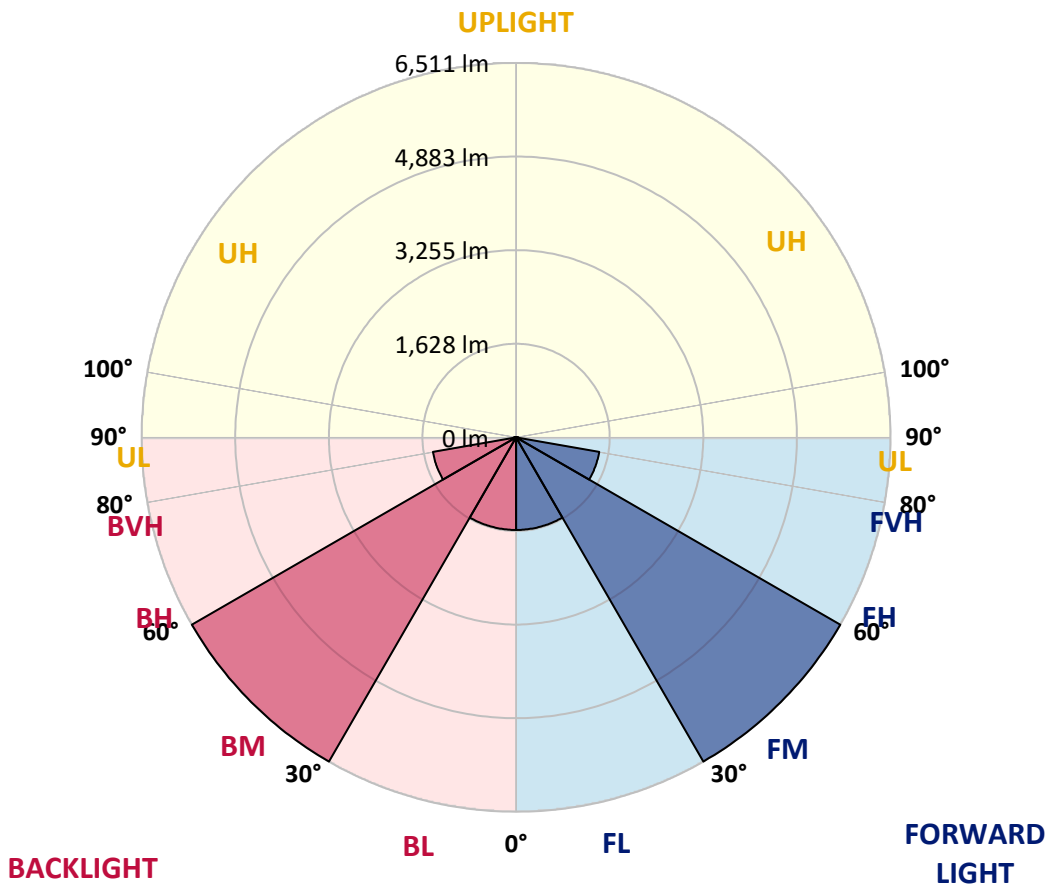
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.4	8.4			
FM (30°-60°)	6510.8	33.8			
FH (60°-80°)	1468.0	7.6			G1/1800
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	1610.4	8.4	B3/2500		
BM (30°-60°)	6510.8	33.8	B4/8500		
BH (60°-80°)	1468.0	7.6	B3/2500		G1/1800
BVH (80°-90°)	38.5	0.2			G1/100
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





REPORT NUMBER: P635759

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3	3684.3
2.5°	3662.2	3662.2	3670.1	3678.0	3681.2	3695.4	3693.8	3689.0	3685.9	3676.4	3689.0
5°	3670.1	3670.1	3676.4	3681.2	3679.6	3690.6	3685.9	3678.0	3673.3	3663.8	3678.0
7.5°	3668.6	3668.6	3673.3	3678.0	3674.9	3684.3	3676.4	3665.4	3657.5	3648.1	3660.7
10°	3648.1	3651.2	3655.9	3667.0	3671.7	3685.9	3674.9	3657.5	3644.9	3633.9	3646.5
12.5°	3644.9	3648.1	3654.4	3668.6	3676.4	3696.9	3682.7	3654.4	3635.4	3621.3	3633.9
15°	3659.1	3662.2	3671.7	3689.0	3701.7	3723.7	3703.2	3663.8	3637.0	3618.1	3629.1
17.5°	3676.4	3681.2	3695.4	3720.6	3741.1	3764.7	3739.5	3692.2	3654.4	3629.1	3638.6
20°	3695.4	3701.7	3723.7	3761.6	3799.4	3829.4	3797.8	3734.8	3689.0	3655.9	3665.4
22.5°	3728.5	3736.3	3764.7	3818.3	3875.1	3919.2	3879.8	3794.7	3734.8	3692.2	3700.1
25°	3796.3	3805.7	3842.0	3906.6	3987.0	4040.6	3985.4	3889.3	3805.7	3753.7	3761.6
27.5°	3916.1	3920.8	3968.1	4053.2	4152.5	4214.0	4147.8	4034.3	3941.3	3881.4	3887.7
30°	4073.7	4087.9	4135.2	4247.1	4365.4	4447.4	4360.6	4226.6	4119.4	4046.9	4053.2
32.5°	4266.1	4275.5	4346.5	4463.1	4633.4	4728.0	4609.7	4450.5	4321.2	4232.9	4239.3
35°	4518.3	4526.2	4594.0	4742.2	4948.7	5037.0	4901.4	4718.5	4568.7	4485.2	4508.8
37.5°	4819.4	4833.6	4882.5	5029.1	5259.3	5346.0	5189.9	5019.6	4863.6	4786.3	4803.6
40°	5142.6	5141.0	5180.4	5309.7	5519.4	5573.0	5432.7	5297.1	5163.1	5112.6	5141.0
42.5°	5420.1	5412.2	5440.6	5547.8	5692.8	5697.5	5604.5	5528.8	5434.3	5399.6	5426.4
45°	5614.0	5617.1	5659.7	5733.8	5807.9	5768.5	5740.1	5727.5	5653.4	5606.1	5610.8
47.5°	5766.9	5779.5	5847.3	5897.7	5907.2	5841.0	5880.4	5899.3	5837.8	5765.3	5744.8
50°	5902.5	5923.0	6011.3	6064.9	6044.4	5960.8	6038.1	6066.4	5930.9	5792.1	5751.1
52.5°	6148.4	6172.1	6279.3	6348.6	6325.0	6241.4	6313.9	6213.1	5984.5	5814.2	5762.2
55°	6541.0	6552.0	6682.9	6796.4	6785.3	6682.9	6624.5	6400.7	6123.2	5946.6	5897.7
57.5°	6457.4	6476.3	6703.3	7006.0	7176.3	7083.3	6741.2	6359.7	5982.9	5770.1	5703.8
60°	5081.1	5126.8	5409.0	5941.9	6566.2	6564.6	5929.3	5336.5	4882.5	4600.3	4571.9
62.5°	2967.0	2998.5	3255.5	3794.7	4354.3	4389.0	3942.9	3536.1	3138.8	2948.1	2856.6
65°	1404.7	1403.1	1505.6	1748.4	2126.7	2156.7	2022.7	1800.4	1565.5	1500.8	1483.5
67.5°	1037.3	1037.3	1029.5	1046.8	1119.3	1135.1	1119.3	1083.1	1061.0	1075.2	1065.7
70°	900.2	901.8	892.3	887.6	887.6	882.8	889.2	903.3	912.8	931.7	922.3
72.5°	729.9	731.5	731.5	733.1	734.7	728.4	737.8	745.7	747.3	753.6	747.3
75°	518.7	521.8	531.3	539.2	545.5	545.5	548.6	550.2	543.9	551.8	539.2
77.5°	285.3	288.5	305.8	320.0	334.2	335.8	340.5	343.7	340.5	346.8	337.4
80°	157.7	160.8	168.7	175.0	186.0	195.5	201.8	204.9	204.9	209.7	204.9
82.5°	89.9	93.0	97.7	100.9	110.4	118.2	124.5	129.3	129.3	130.9	127.7
85°	42.6	42.6	45.7	48.9	53.6	56.8	64.6	69.4	69.4	72.5	69.4
87.5°	6.3	7.9	9.5	9.5	12.6	15.8	18.9	20.5	23.6	25.2	25.2
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)