

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: P642193

Luminaire Tested: GWS-SA6C-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17348.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

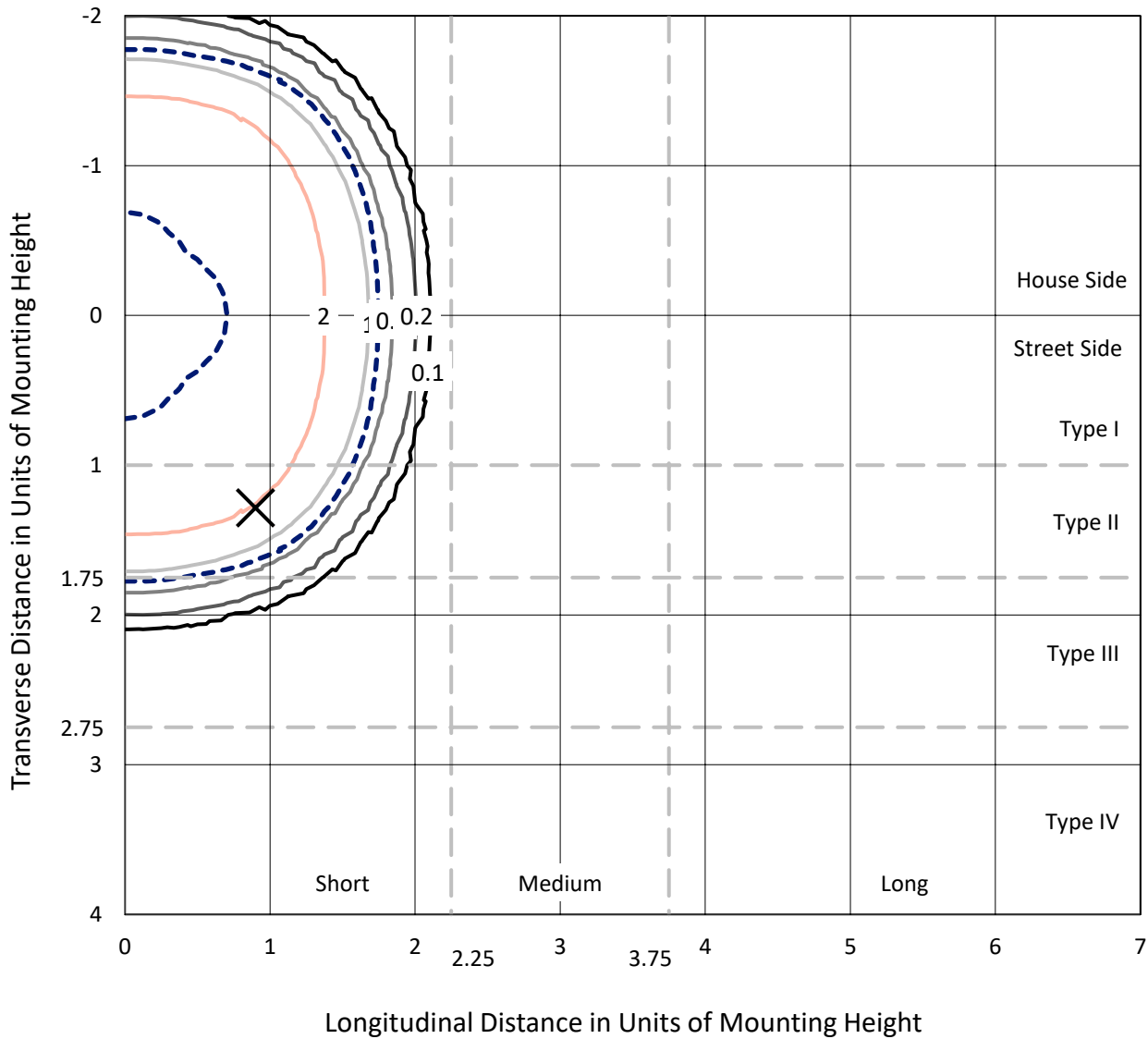
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

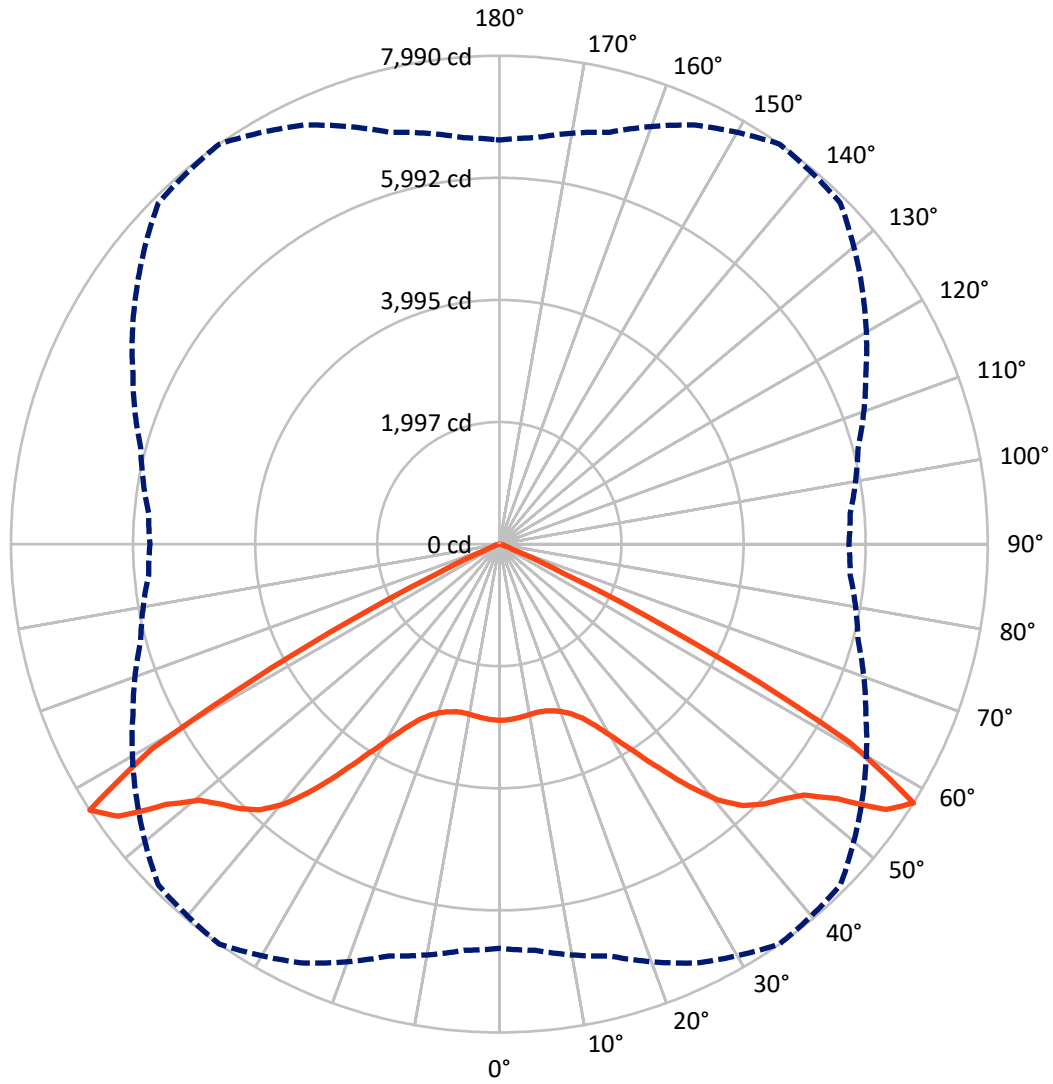
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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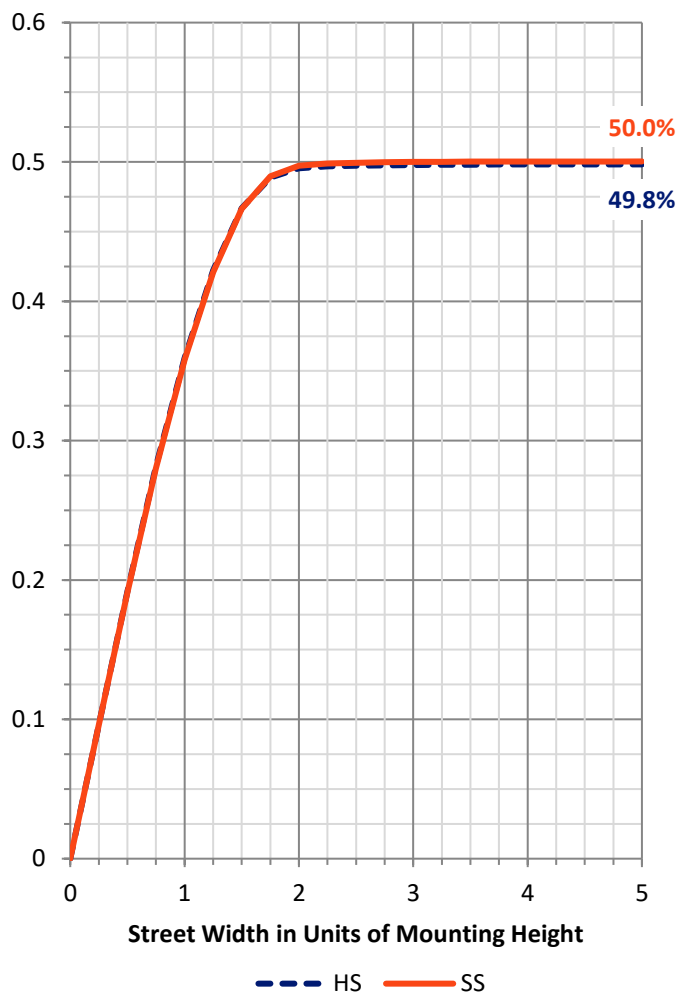
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8674.4	0.0	8674.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8674.4	0.0	8674.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17348.9	0.0	17348.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	1.6
10°-20°	799.4	4.6
20°-30°	1444.9	8.3
30°-40°	2695.7	15.5
40°-50°	4522.0	26.1
50°-60°	5971.8	34.4
60°-70°	1586.0	9.1
70°-80°	56.3	0.3
80°-90°	1.0	0.0
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°	17348.9	100.0
0°-180°	17348.9	100.0

Coefficient of Utilization



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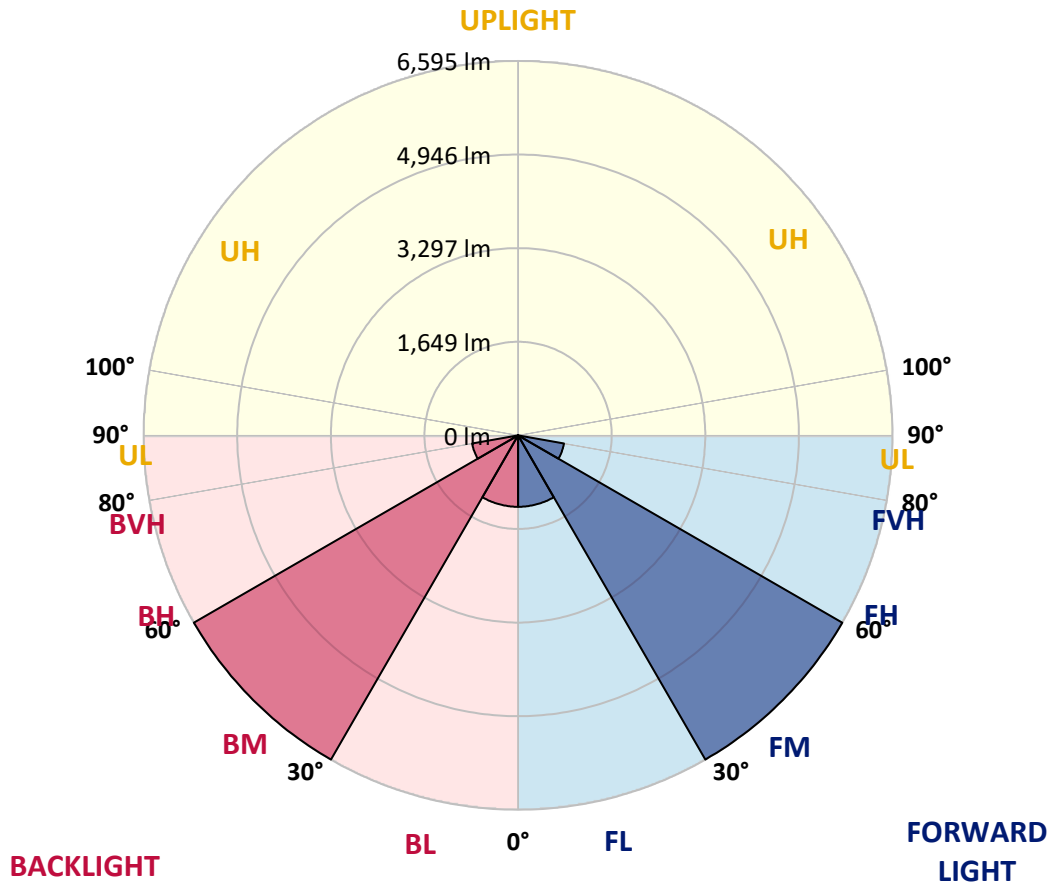
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1258.0	7.3			
FM (30°-60°)	6594.7	38.0			
FH (60°-80°)	821.1	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1258.0	7.3	B3/2500		
BM (30°-60°)	6594.7	38.0	B4/8500		
BH (60°-80°)	821.1	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	0.0			G0/10
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4	2884.4
2.5°	2864.1	2862.0	2870.2	2876.3	2876.3	2890.5	2886.4	2882.4	2878.3	2872.2	2886.4
5°	2860.0	2857.9	2864.1	2868.1	2864.1	2876.3	2868.1	2860.0	2855.9	2847.8	2864.1
7.5°	2841.7	2843.7	2847.8	2851.8	2845.7	2855.9	2845.7	2833.5	2823.3	2815.2	2829.5
10°	2813.2	2815.2	2819.3	2827.4	2829.5	2843.7	2829.5	2807.1	2792.8	2780.6	2794.8
12.5°	2798.9	2801.0	2807.1	2817.2	2819.3	2837.6	2819.3	2786.7	2766.3	2752.1	2766.3
15°	2803.0	2807.1	2815.2	2827.4	2831.5	2849.8	2825.4	2782.6	2754.1	2735.8	2748.0
17.5°	2817.2	2821.3	2833.5	2853.9	2868.1	2886.4	2855.9	2801.0	2762.3	2735.8	2748.0
20°	2835.6	2841.7	2862.0	2894.6	2925.1	2957.7	2919.0	2843.7	2792.8	2760.2	2770.4
22.5°	2886.4	2892.6	2921.1	2963.8	3014.7	3055.4	3008.6	2912.9	2843.7	2801.0	2811.1
25°	2990.3	2996.4	3033.0	3088.0	3153.1	3206.0	3147.0	3026.9	2937.3	2888.5	2892.6
27.5°	3153.1	3159.2	3202.0	3279.3	3366.8	3442.2	3356.7	3216.2	3114.4	3057.4	3057.4
30°	3358.7	3366.8	3423.8	3527.7	3664.0	3763.8	3647.8	3476.8	3346.5	3269.1	3271.2
32.5°	3623.3	3615.2	3696.6	3839.1	4032.5	4164.8	3993.8	3786.2	3625.4	3517.5	3527.7
35°	3963.3	3961.2	4052.8	4246.2	4498.6	4657.4	4453.8	4185.1	3991.8	3881.8	3883.9
37.5°	4400.9	4398.9	4504.7	4714.4	5017.7	5150.0	4922.0	4649.3	4441.6	4335.8	4348.0
40°	4913.9	4901.7	4995.3	5196.8	5500.1	5585.6	5337.3	5117.4	4918.0	4850.8	4883.3
42.5°	5402.4	5376.0	5430.9	5614.1	5848.2	5860.4	5673.1	5522.5	5386.1	5333.2	5353.6
45°	5795.3	5774.9	5825.8	5931.7	6066.0	6004.9	5915.4	5868.6	5758.6	5701.6	5720.0
47.5°	6088.4	6088.4	6149.5	6214.6	6235.0	6123.0	6137.3	6137.3	6027.3	5937.8	5915.4
50°	6340.8	6359.1	6450.7	6517.9	6450.7	6308.2	6389.7	6373.4	6149.5	5970.3	5923.5
52.5°	6743.9	6762.2	6902.6	6994.2	6918.9	6778.5	6788.6	6585.1	6255.3	6043.6	5970.3
55°	7171.3	7216.1	7419.7	7663.9	7666.0	7521.5	7252.8	6892.5	6491.5	6261.4	6186.1
57.5°	6611.5	6672.6	6975.9	7564.2	7989.6	7889.9	7248.7	6615.6	6074.2	5760.7	5717.9
60°	4549.5	4655.4	4958.7	5762.7	6583.1	6621.7	5864.5	5154.1	4533.2	4146.5	4154.6
62.5°	1921.6	2029.5	2200.5	2862.0	3615.2	3662.0	3295.6	2786.7	2279.8	2001.0	2043.7
65°	451.9	482.4	533.3	791.8	1148.1	1201.0	1107.4	863.1	637.1	539.4	549.6
67.5°	197.5	201.5	191.3	203.6	252.4	258.5	250.4	219.8	207.6	211.7	211.7
70°	138.4	140.5	132.3	126.2	120.1	112.0	116.0	128.2	138.4	146.6	144.5
72.5°	85.5	87.5	89.6	89.6	83.5	75.3	79.4	87.5	89.6	91.6	89.6
75°	42.7	44.8	48.9	50.9	48.9	46.8	46.8	48.9	48.9	46.8	46.8
77.5°	8.1	10.2	14.2	16.3	16.3	16.3	16.3	16.3	18.3	16.3	16.3
80°	2.0	2.0	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
82.5°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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)