

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: P639722

Luminaire Tested: GWS-SA5C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21587.3 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

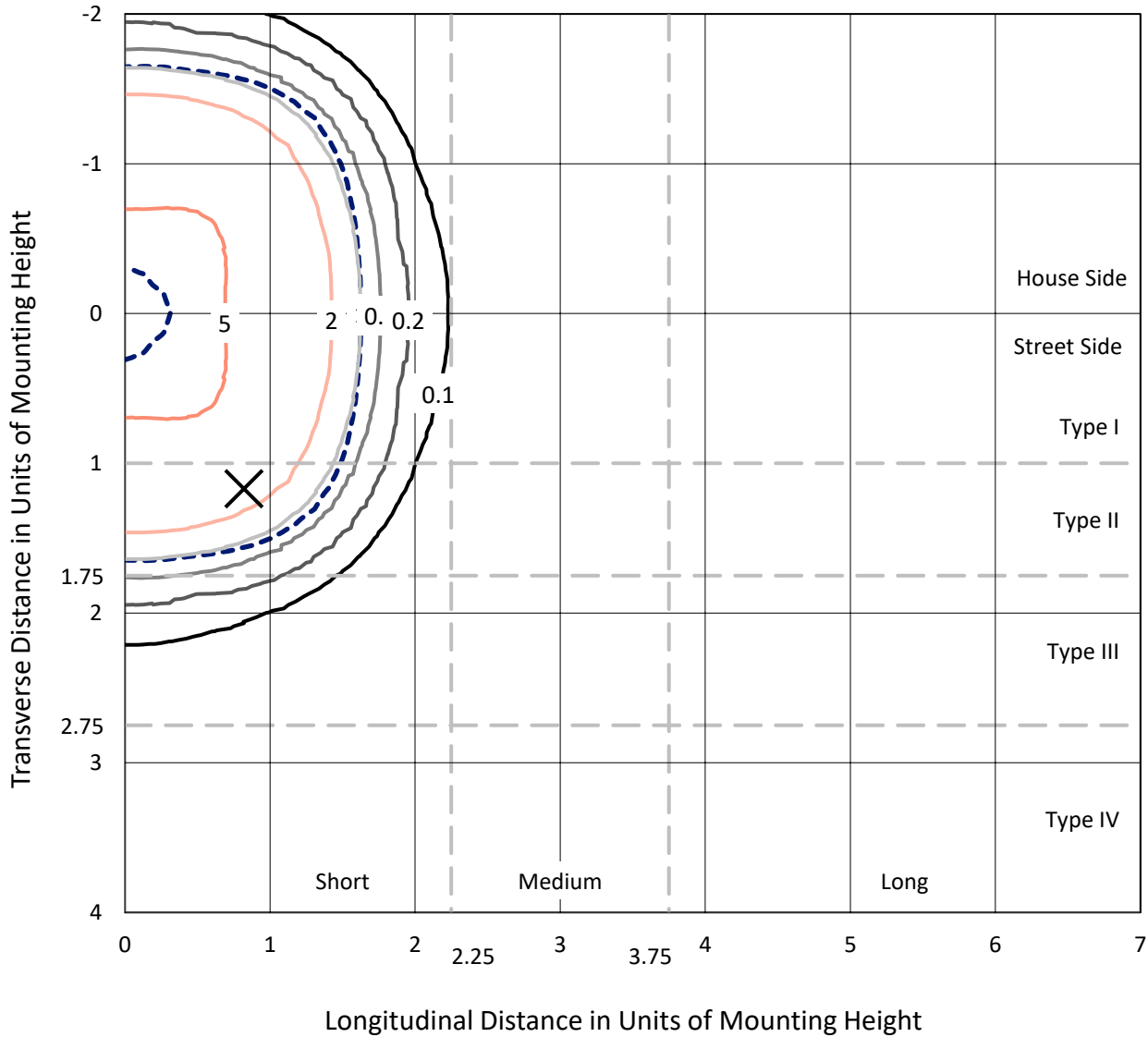
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

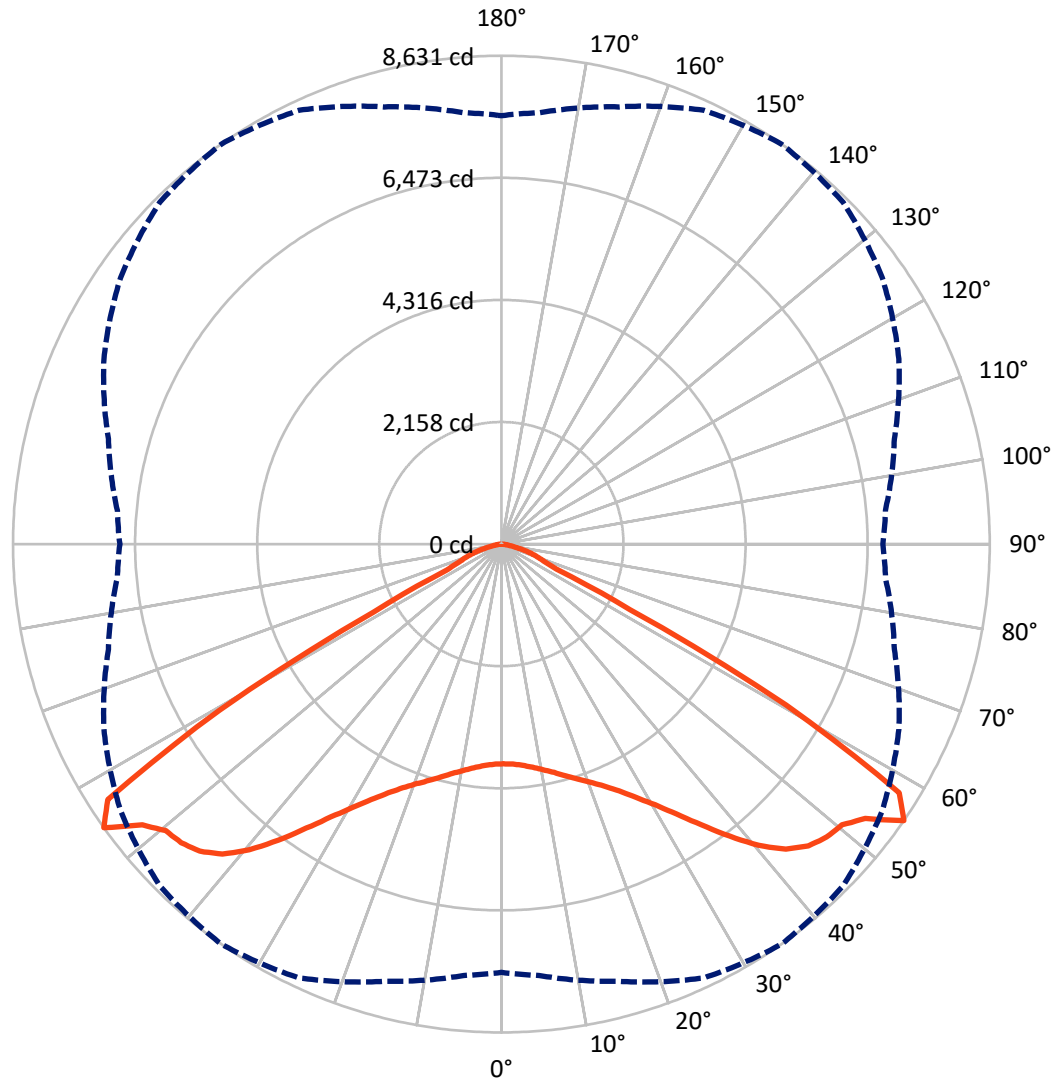
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10793.6	0.0	10793.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10793.6	0.0	10793.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21587.3	0.0	21587.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.8	1.8
10°-20°	1206.0	5.6
20°-30°	2232.1	10.3
30°-40°	3733.8	17.3
40°-50°	5689.7	26.4
50°-60°	6373.7	29.5
60°-70°	1508.1	7.0
70°-80°	406.6	1.9
80°-90°	58.5	0.3
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°	21587.3	100.0
0°-180°	21587.3	100.0

Coefficient of Utilization



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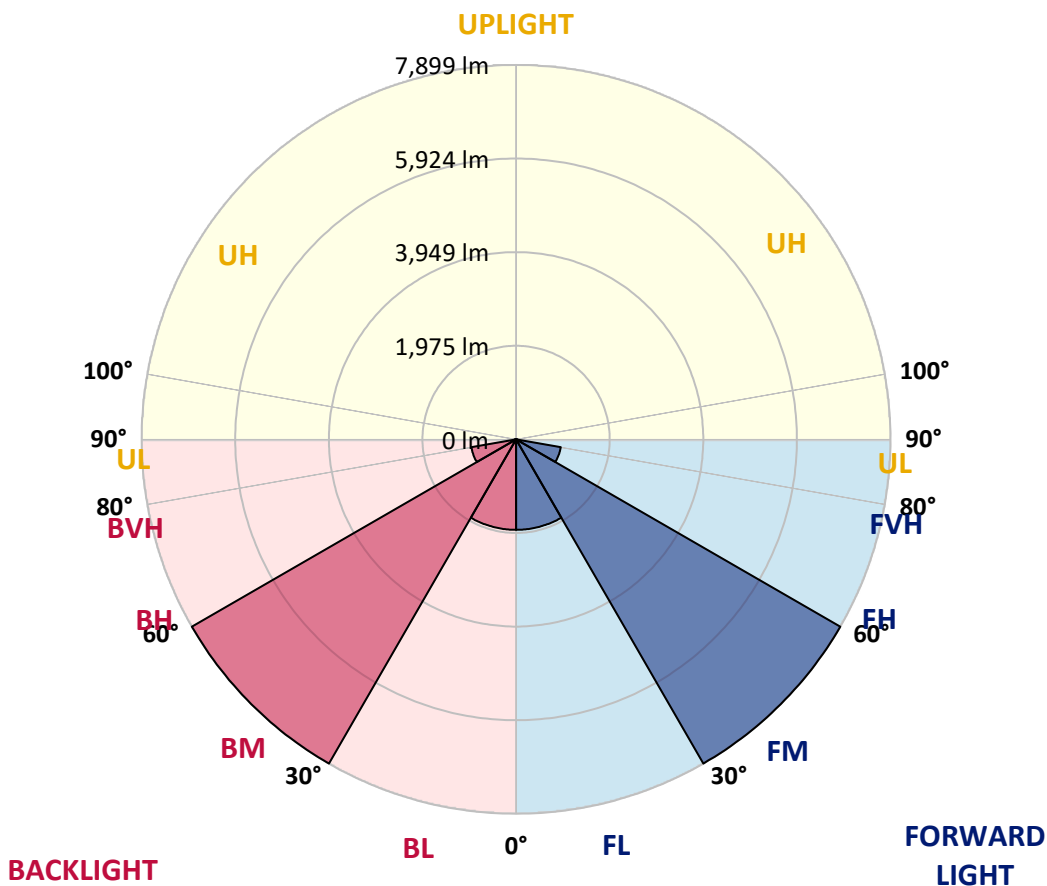
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1908.4	8.8			
FM (30°-60°)	7898.6	36.6			
FH (60°-80°)	957.3	4.4			G1/1800
FVH (80°-90°)	29.3	0.1			G1/100
BL (0°-30°)	1908.4	8.8	B3/2500		
BM (30°-60°)	7898.6	36.6	B4/8500		
BH (60°-80°)	957.3	4.4	B2/1000		G1/1800
BVH (80°-90°)	29.3	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6	3883.6
2.5°	3875.1	3875.1	3881.9	3890.4	3892.1	3909.2	3905.8	3899.0	3895.6	3888.7	3904.1
5°	3917.8	3919.5	3924.6	3929.7	3926.3	3939.9	3934.8	3926.3	3921.2	3912.6	3928.0
7.5°	3974.1	3974.1	3979.2	3986.0	3982.6	4003.1	3992.9	3980.9	3972.4	3962.1	3975.8
10°	4025.3	4028.7	4033.8	4047.5	4054.3	4076.5	4069.7	4052.6	4039.0	4027.0	4042.4
12.5°	4102.1	4105.5	4110.7	4129.4	4141.4	4163.6	4153.3	4129.4	4108.9	4091.9	4108.9
15°	4201.1	4197.7	4211.4	4235.3	4250.6	4271.1	4259.2	4218.2	4190.9	4168.7	4185.8
17.5°	4301.8	4300.1	4313.8	4344.5	4366.7	4394.0	4373.5	4325.7	4296.7	4269.4	4286.5
20°	4411.1	4416.2	4429.9	4458.9	4491.3	4527.2	4510.1	4458.9	4426.5	4395.7	4409.4
22.5°	4546.0	4547.7	4563.0	4600.6	4643.3	4677.4	4667.2	4604.0	4563.0	4530.6	4547.7
25°	4708.1	4706.4	4726.9	4771.3	4831.0	4865.2	4843.0	4773.0	4728.6	4691.1	4704.7
27.5°	4894.2	4892.5	4923.2	4981.3	5066.6	5114.4	5068.3	4981.3	4919.8	4866.9	4878.8
30°	5128.1	5123.0	5157.1	5235.6	5346.6	5426.8	5358.5	5237.3	5157.1	5100.8	5112.7
32.5°	5387.6	5394.4	5437.1	5542.9	5682.9	5787.0	5684.6	5549.7	5442.2	5360.2	5373.9
35°	5672.6	5672.6	5759.7	5891.1	6090.9	6229.1	6070.4	5875.8	5732.4	5619.7	5623.1
37.5°	5990.2	5993.6	6107.9	6288.9	6550.1	6712.2	6497.2	6256.5	6082.3	5961.1	5954.3
40°	6377.7	6387.9	6505.7	6707.1	7000.7	7149.3	6918.8	6683.2	6505.7	6362.3	6348.6
42.5°	6814.7	6818.1	6942.7	7123.7	7371.2	7460.0	7279.0	7086.1	6941.0	6811.3	6797.6
45°	7231.2	7222.7	7330.2	7465.1	7608.5	7617.0	7516.3	7437.8	7311.4	7200.5	7180.0
47.5°	7555.5	7548.7	7646.0	7719.4	7736.5	7652.9	7685.3	7697.2	7550.4	7400.2	7360.9
50°	7753.6	7767.2	7859.4	7900.4	7799.7	7663.1	7786.0	7755.3	7545.3	7349.0	7285.8
52.5°	7873.1	7893.6	8054.0	8158.1	8054.0	7924.3	7941.3	7760.4	7458.2	7198.8	7116.8
55°	7570.9	7652.9	7999.4	8460.3	8631.0	8540.5	8216.2	7750.2	7190.2	6813.0	6743.0
57.5°	5611.2	5740.9	6254.8	7253.4	8291.3	8620.8	7673.3	6497.2	5648.7	5163.9	5123.0
60°	2864.5	3009.6	3421.0	4447.0	5781.9	6246.2	5344.9	4160.2	3306.6	2914.0	2869.6
62.5°	1169.4	1193.3	1328.1	1724.2	2555.5	2948.1	2589.6	1818.0	1365.7	1258.1	1259.8
65°	920.1	925.2	918.4	942.3	1070.3	1188.1	1097.7	964.5	940.6	952.6	944.0
67.5°	802.3	804.0	798.9	798.9	804.0	798.9	809.2	814.3	817.7	831.3	822.8
70°	670.9	672.6	672.6	676.0	674.3	665.8	681.1	688.0	689.7	698.2	693.1
72.5°	519.0	524.1	527.5	529.2	527.5	522.4	530.9	542.9	541.1	549.7	541.1
75°	351.7	358.5	361.9	368.7	367.0	367.0	377.3	382.4	377.3	384.1	377.3
77.5°	199.7	204.8	215.1	221.9	228.7	233.9	240.7	244.1	242.4	245.8	242.4
80°	116.1	117.8	126.3	129.7	138.3	146.8	153.6	157.1	158.8	160.5	158.8
82.5°	66.6	68.3	71.7	75.1	81.9	88.8	95.6	100.7	100.7	102.4	100.7
85°	32.4	32.4	34.1	35.8	39.3	44.4	49.5	54.6	56.3	56.3	56.3
87.5°	5.1	5.1	6.8	6.8	8.5	10.2	13.7	17.1	18.8	18.8	18.8
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)