

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: P643898

Luminaire Tested: GWS-SA6F-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643898
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-SA6F-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24156.5 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 372.6
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

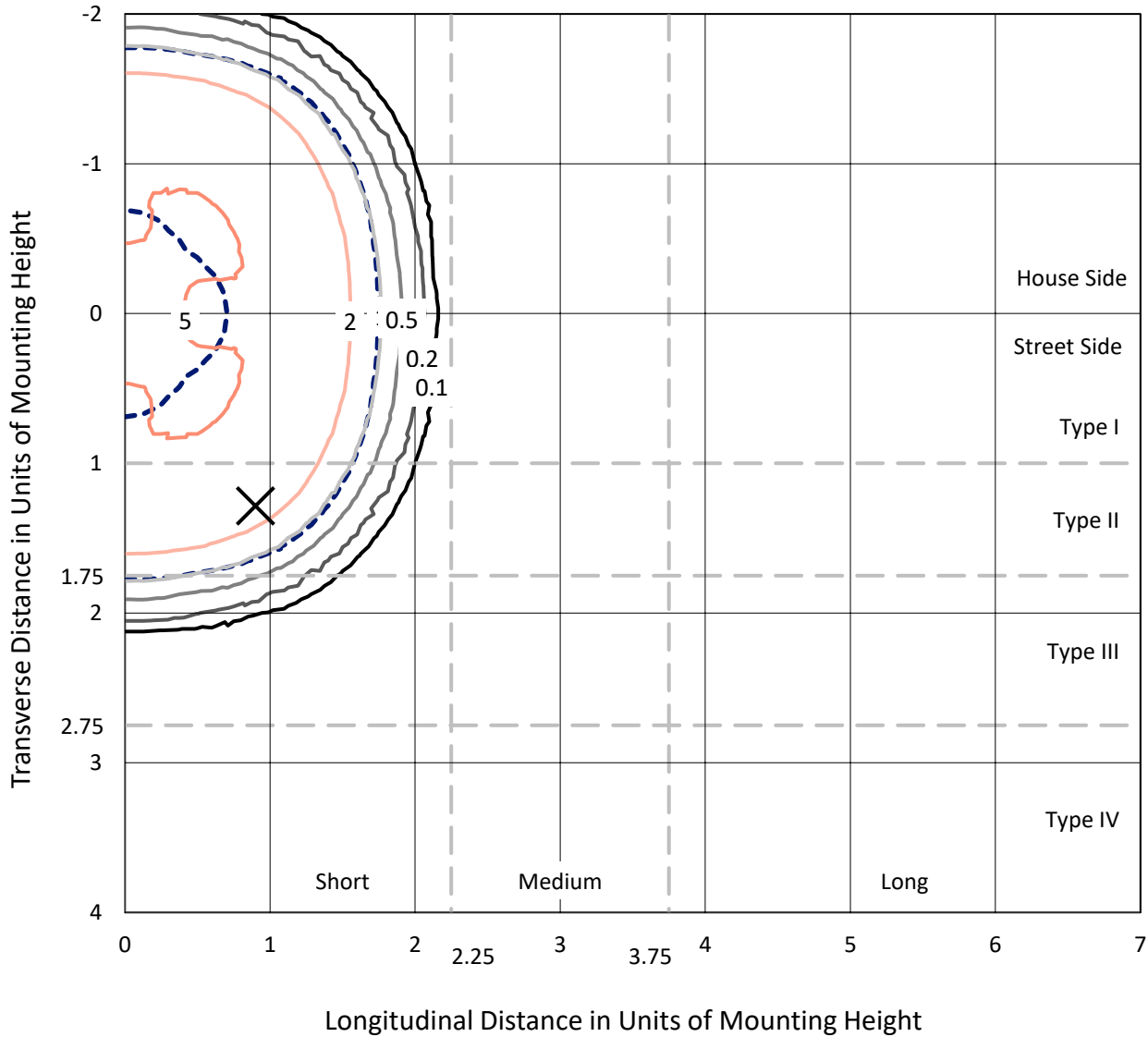


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Iso-Footcandle Lines of Horizontal Illumination

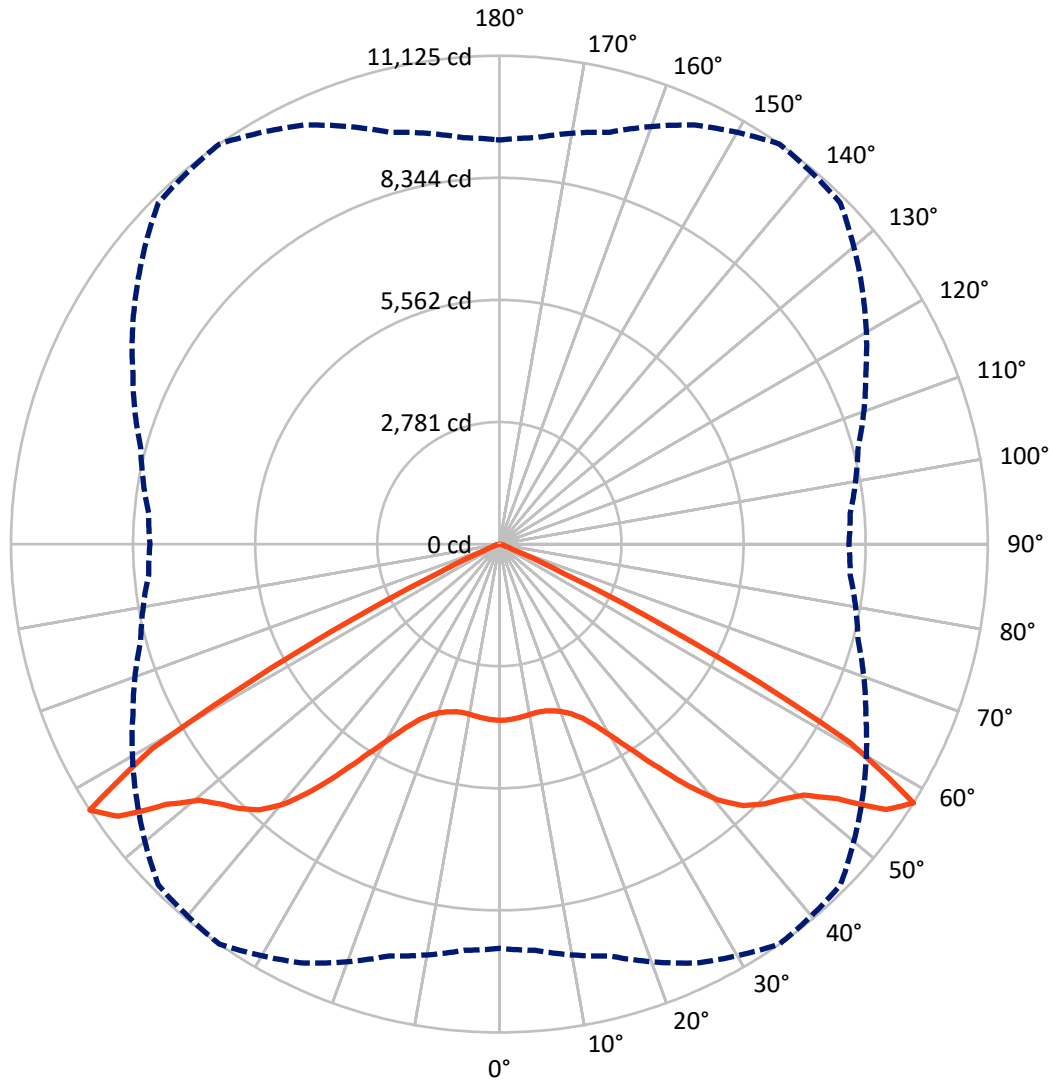
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	12078.2	0.0	12078.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12078.2	0.0	12078.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	24156.5	0.0	24156.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	1.6
10°-20°	1113.1	4.6
20°-30°	2011.9	8.3
30°-40°	3753.4	15.5
40°-50°	6296.4	26.1
50°-60°	8315.1	34.4
60°-70°	2208.3	9.1
70°-80°	78.4	0.3
80°-90°	1.4	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°	24156.5	100.0
0°-180°	24156.5	100.0

Coefficient of Utilization



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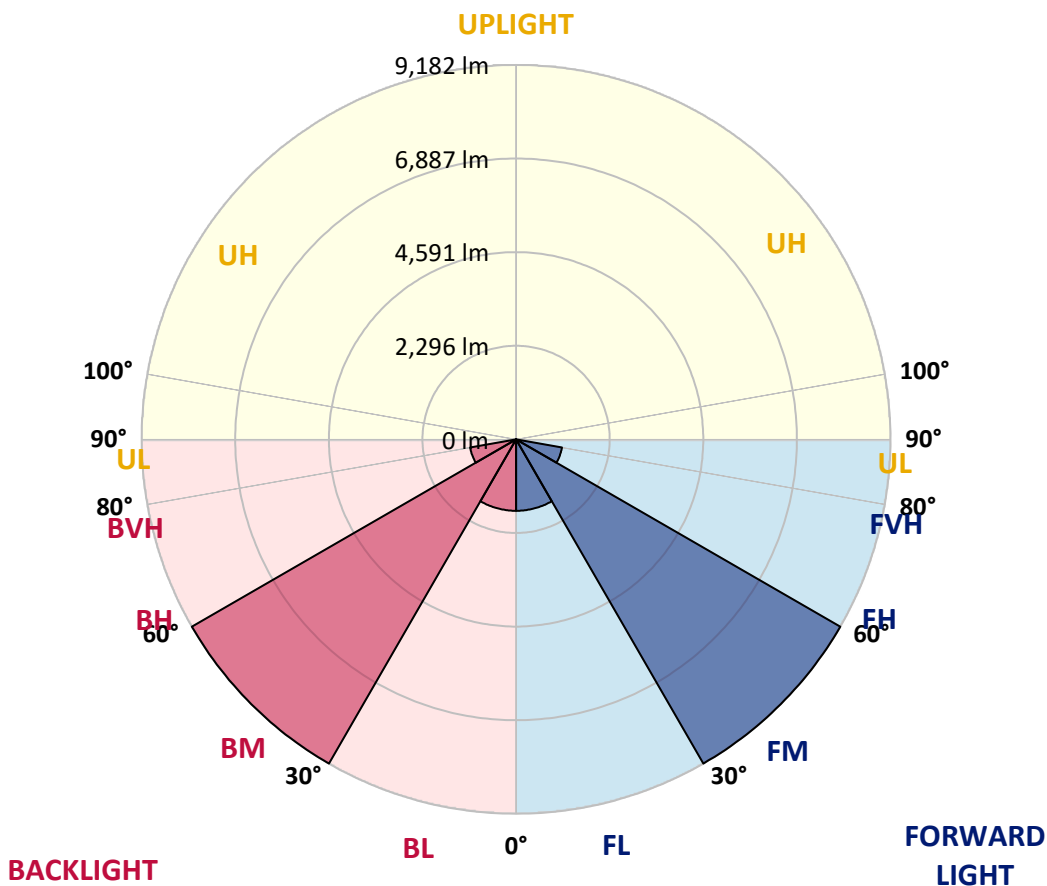
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1751.7	7.3			
FM (30°-60°)	9182.5	38.0			
FH (60°-80°)	1143.4	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1751.7	7.3	B3/2500		
BM (30°-60°)	9182.5	38.0	B5		
BH (60°-80°)	1143.4	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2	4016.2
2.5°	3987.9	3985.1	3996.4	4004.9	4004.9	4024.7	4019.1	4013.4	4007.7	3999.2	4019.1
5°	3982.2	3979.4	3987.9	3993.6	3987.9	4004.9	3993.6	3982.2	3976.6	3965.2	3987.9
7.5°	3956.7	3959.5	3965.2	3970.9	3962.4	3976.6	3962.4	3945.4	3931.2	3919.9	3939.7
10°	3917.0	3919.9	3925.5	3936.9	3939.7	3959.5	3939.7	3908.5	3888.7	3871.7	3891.5
12.5°	3897.2	3900.0	3908.5	3922.7	3925.5	3951.0	3925.5	3880.2	3851.8	3832.0	3851.8
15°	3902.9	3908.5	3919.9	3936.9	3942.5	3968.1	3934.0	3874.5	3834.8	3809.3	3826.3
17.5°	3922.7	3928.4	3945.4	3973.7	3993.6	4019.1	3976.6	3900.0	3846.2	3809.3	3826.3
20°	3948.2	3956.7	3985.1	4030.4	4072.9	4118.3	4064.4	3959.5	3888.7	3843.3	3857.5
22.5°	4019.1	4027.6	4067.3	4126.8	4197.6	4254.3	4189.1	4055.9	3959.5	3900.0	3914.2
25°	4163.6	4172.1	4223.1	4299.7	4390.4	4464.1	4381.9	4214.6	4089.9	4021.9	4027.6
27.5°	4390.4	4398.9	4458.4	4566.1	4688.0	4792.8	4673.8	4478.2	4336.5	4257.2	4257.2
30°	4676.6	4688.0	4767.3	4911.9	5101.8	5240.7	5079.1	4841.0	4659.6	4551.9	4554.8
32.5°	5045.1	5033.8	5147.1	5345.5	5614.8	5799.0	5560.9	5271.8	5047.9	4897.7	4911.9
35°	5518.4	5515.6	5643.1	5912.4	6263.9	6484.9	6201.5	5827.4	5558.1	5405.1	5407.9
37.5°	6127.8	6125.0	6272.4	6564.3	6986.6	7170.8	6853.4	6473.6	6184.5	6037.1	6054.1
40°	6842.1	6825.0	6955.4	7236.0	7658.3	7777.4	7431.6	7125.5	6847.7	6754.2	6799.5
42.5°	7522.3	7485.4	7562.0	7817.1	8143.0	8160.0	7899.3	7689.5	7499.6	7425.9	7454.3
45°	8069.3	8041.0	8111.8	8259.2	8446.3	8361.3	8236.5	8171.4	8018.3	7938.9	7964.4
47.5°	8477.5	8477.5	8562.5	8653.2	8681.5	8525.6	8545.5	8545.5	8392.4	8267.7	8236.5
50°	8828.9	8854.4	8982.0	9075.5	8982.0	8783.6	8896.9	8874.3	8562.5	8313.1	8247.9
52.5°	9390.1	9415.6	9611.2	9738.7	9633.9	9438.3	9452.5	9169.0	8709.9	8415.1	8313.1
55°	9985.3	10047.7	10331.1	10671.2	10674.1	10472.8	10098.7	9597.0	9038.7	8718.4	8613.5
57.5°	9205.9	9290.9	9713.2	10532.3	11124.7	10985.8	10093.0	9211.5	8457.6	8021.1	7961.6
60°	6334.7	6482.1	6904.4	8024.0	9166.2	9220.1	8165.7	7176.5	6312.0	5773.5	5784.9
62.5°	2675.6	2825.8	3063.9	3985.1	5033.8	5098.9	4588.8	3880.2	3174.4	2786.1	2845.7
65°	629.2	671.7	742.6	1102.6	1598.6	1672.3	1541.9	1201.8	887.1	751.1	765.3
67.5°	274.9	280.6	266.4	283.4	351.5	360.0	348.6	306.1	289.1	294.8	294.8
70°	192.7	195.6	184.2	175.7	167.2	155.9	161.6	178.6	192.7	204.1	201.2
72.5°	119.0	121.9	124.7	124.7	116.2	104.9	110.5	121.9	124.7	127.5	124.7
75°	59.5	62.4	68.0	70.9	68.0	65.2	65.2	68.0	68.0	65.2	65.2
77.5°	11.3	14.2	19.8	22.7	22.7	22.7	22.7	22.7	25.5	22.7	22.7
80°	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7
82.5°	2.8	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
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)