

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: P629105

Luminaire Tested: GWS-SA1B-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629105
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-SA1B-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1613 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

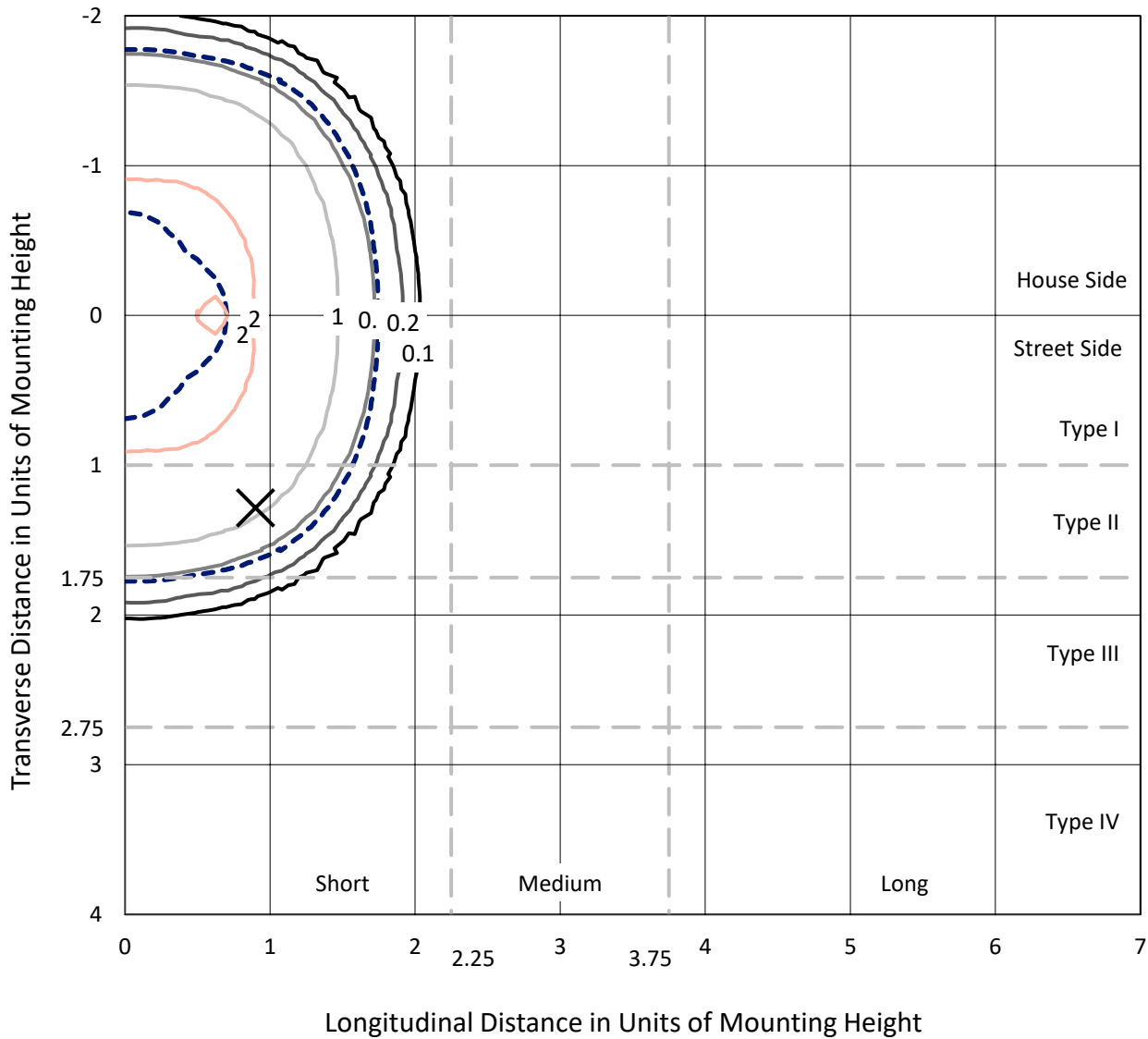
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

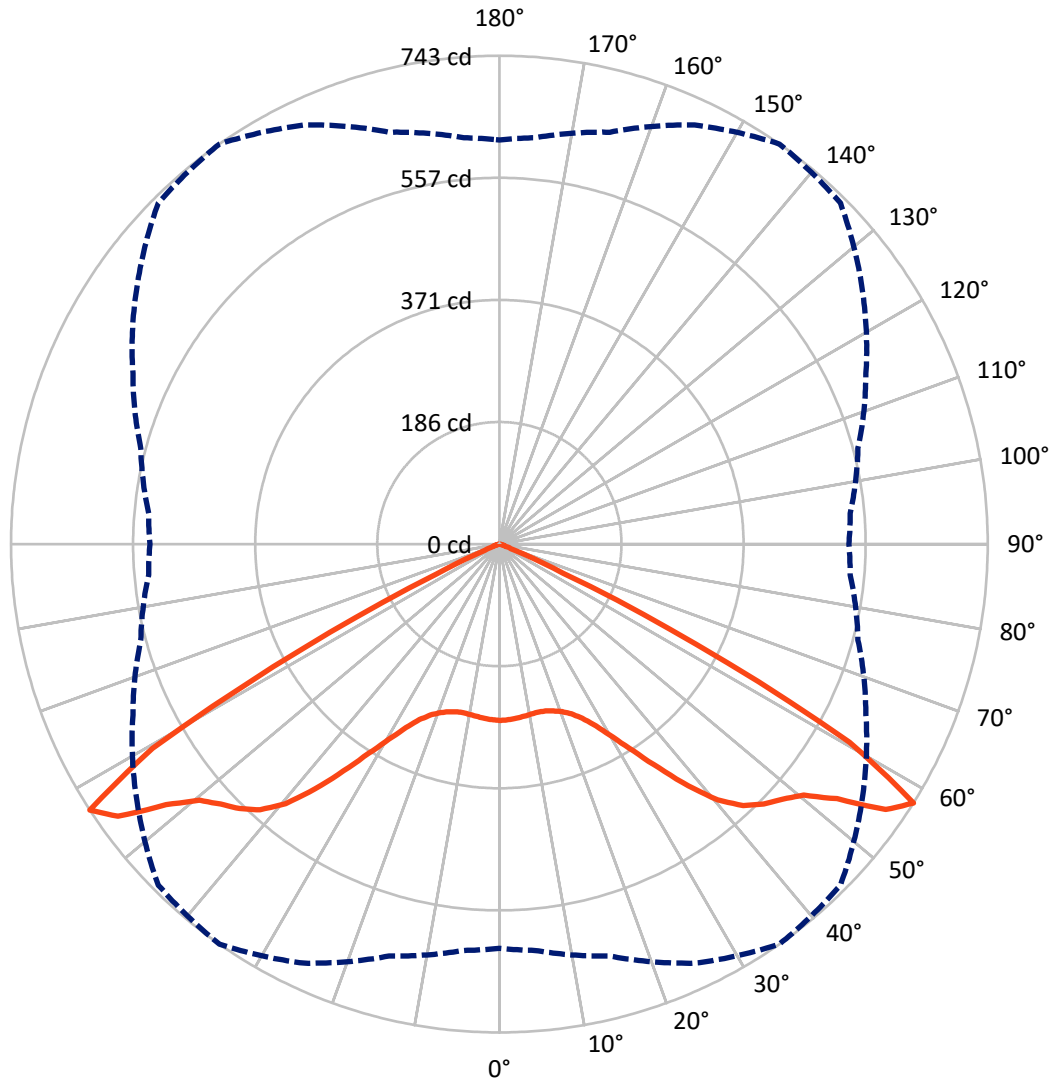
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 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	806.5	0.0	806.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	806.5	0.0	806.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1613.0	0.0	1613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	1.6
10°-20°	74.3	4.6
20°-30°	134.3	8.3
30°-40°	250.6	15.5
40°-50°	420.4	26.1
50°-60°	555.2	34.4
60°-70°	147.5	9.1
70°-80°	5.2	0.3
80°-90°	0.1	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°	1613.0	100.0
0°-180°	1613.0	100.0

Coefficient of Utilization



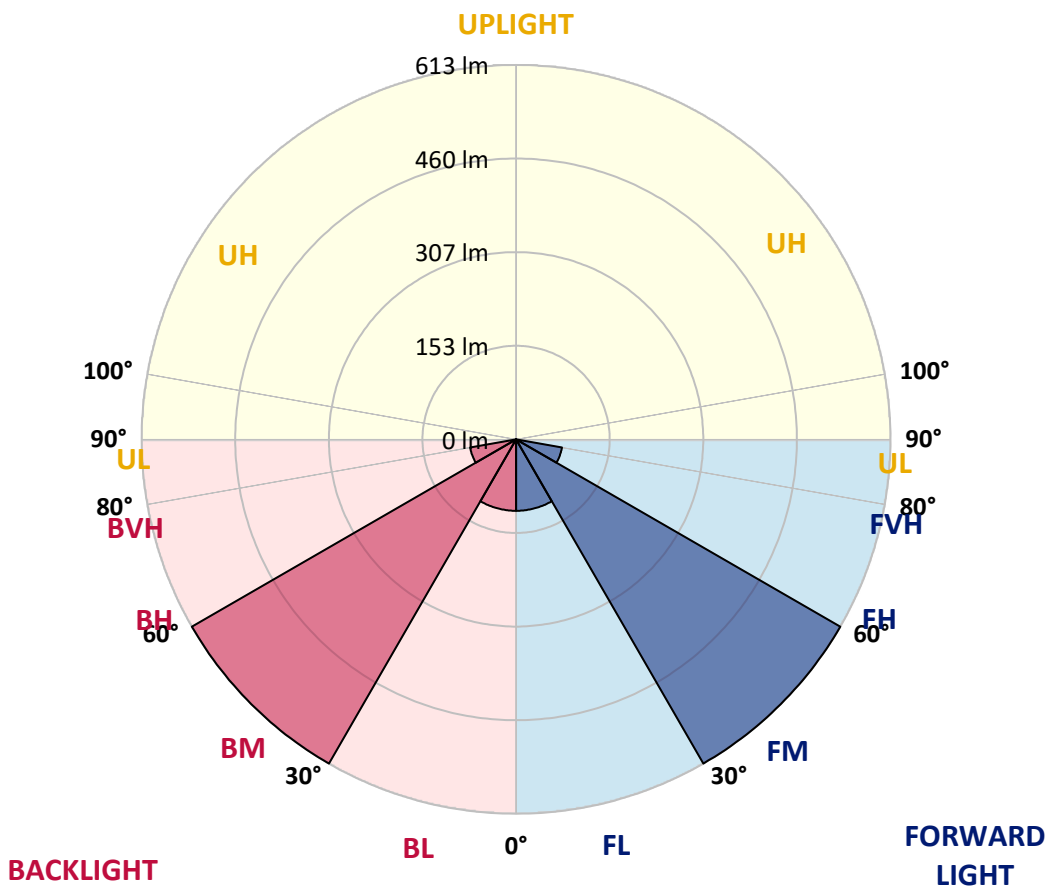
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.0	7.3			
FM (30°-60°)	613.1	38.0			
FH (60°-80°)	76.3	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	117.0	7.3	B1/500		
BM (30°-60°)	613.1	38.0	B1/1000		
BH (60°-80°)	76.3	4.7	B0/110		G0/660
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2
2.5°	266.3	266.1	266.9	267.4	267.4	268.7	268.4	268.0	267.6	267.0	268.4
5°	265.9	265.7	266.3	266.7	266.3	267.4	266.7	265.9	265.5	264.8	266.3
7.5°	264.2	264.4	264.8	265.1	264.6	265.5	264.6	263.4	262.5	261.7	263.1
10°	261.6	261.7	262.1	262.9	263.1	264.4	263.1	261.0	259.7	258.5	259.8
12.5°	260.2	260.4	261.0	261.9	262.1	263.8	262.1	259.1	257.2	255.9	257.2
15°	260.6	261.0	261.7	262.9	263.3	265.0	262.7	258.7	256.1	254.4	255.5
17.5°	261.9	262.3	263.4	265.3	266.7	268.4	265.5	260.4	256.8	254.4	255.5
20°	263.6	264.2	266.1	269.1	272.0	275.0	271.4	264.4	259.7	256.6	257.6
22.5°	268.4	268.9	271.6	275.6	280.3	284.1	279.7	270.8	264.4	260.4	261.4
25°	278.0	278.6	282.0	287.1	293.2	298.1	292.6	281.4	273.1	268.6	268.9
27.5°	293.2	293.7	297.7	304.9	313.0	320.0	312.1	299.0	289.6	284.3	284.3
30°	312.3	313.0	318.3	328.0	340.7	349.9	339.1	323.2	311.1	303.9	304.1
32.5°	336.9	336.1	343.7	356.9	374.9	387.2	371.3	352.0	337.1	327.0	328.0
35°	368.5	368.3	376.8	394.8	418.3	433.0	414.1	389.1	371.1	360.9	361.1
37.5°	409.2	409.0	418.8	438.3	466.5	478.8	457.6	432.3	413.0	403.1	404.3
40°	456.9	455.7	464.4	483.2	511.4	519.3	496.2	475.8	457.2	451.0	454.0
42.5°	502.3	499.8	504.9	522.0	543.7	544.9	527.5	513.5	500.8	495.9	497.7
45°	538.8	536.9	541.7	551.5	564.0	558.3	550.0	545.6	535.4	530.1	531.8
47.5°	566.1	566.1	571.7	577.8	579.7	569.3	570.6	570.6	560.4	552.1	550.0
50°	589.5	591.2	599.8	606.0	599.8	586.5	594.1	592.6	571.7	555.1	550.7
52.5°	627.0	628.7	641.8	650.3	643.3	630.2	631.2	612.2	581.6	561.9	555.1
55°	666.7	670.9	689.8	712.5	712.7	699.3	674.3	640.8	603.5	582.2	575.1
57.5°	614.7	620.4	648.6	703.3	742.8	733.6	673.9	615.1	564.7	535.6	531.6
60°	423.0	432.8	461.0	535.8	612.1	615.6	545.2	479.2	421.5	385.5	386.3
62.5°	178.7	188.7	204.6	266.1	336.1	340.5	306.4	259.1	212.0	186.0	190.0
65°	42.0	44.9	49.6	73.6	106.7	111.7	103.0	80.2	59.2	50.2	51.1
67.5°	18.4	18.7	17.8	18.9	23.5	24.0	23.3	20.4	19.3	19.7	19.7
70°	12.9	13.1	12.3	11.7	11.2	10.4	10.8	11.9	12.9	13.6	13.4
72.5°	7.9	8.1	8.3	8.3	7.8	7.0	7.4	8.1	8.3	8.5	8.3
75°	4.0	4.2	4.5	4.7	4.5	4.4	4.4	4.5	4.5	4.4	4.4
77.5°	0.8	0.9	1.3	1.5	1.5	1.5	1.5	1.5	1.7	1.5	1.5
80°	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
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)