

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: P628617

Luminaire Tested: GWS-SA1A-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1769.1 lumens
Efficiency: N/A
Efficacy: 89.8 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

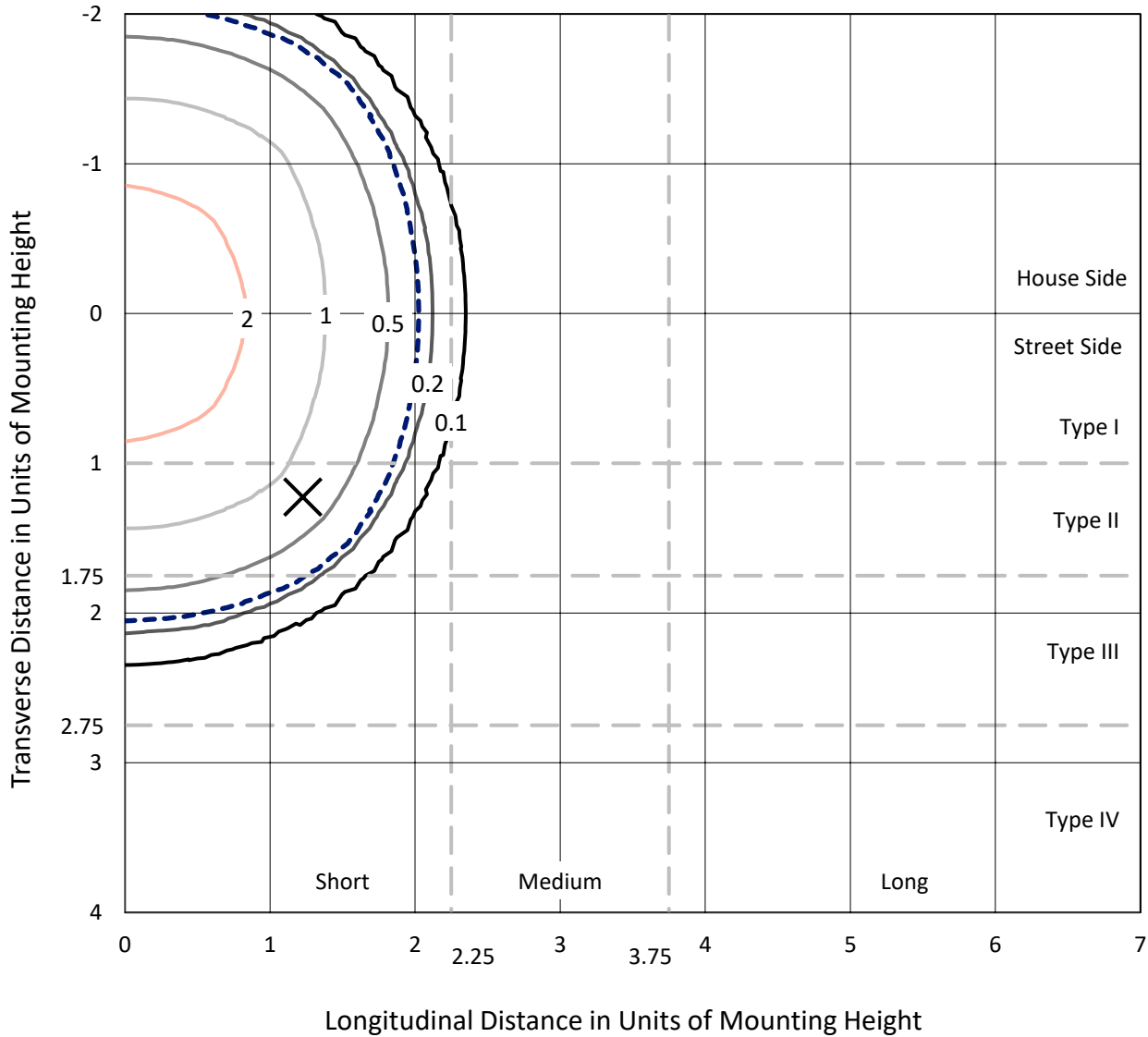
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

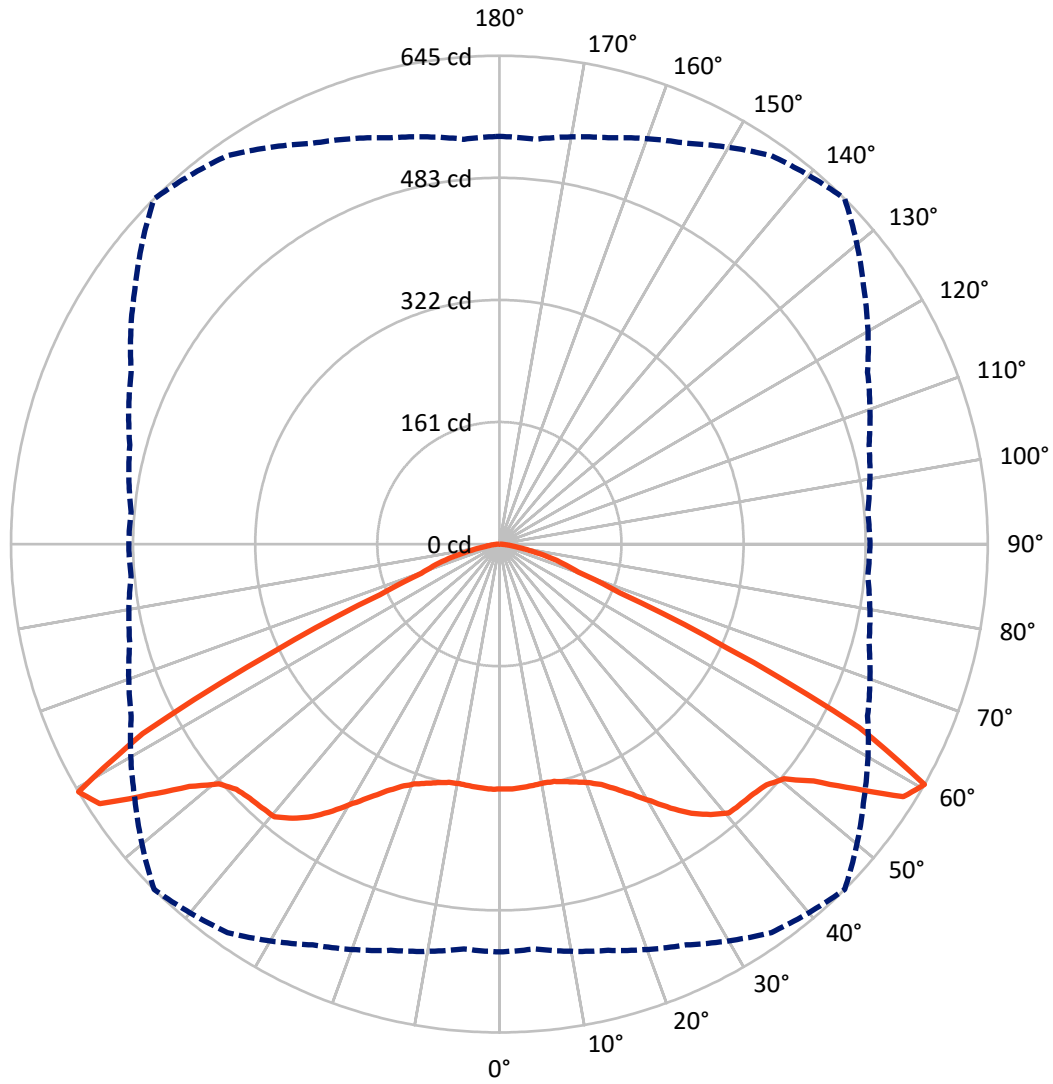
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	884.6	0.0	884.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	884.6	0.0	884.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1769.1	0.0	1769.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.7
10°-20°	92.2	5.2
20°-30°	163.2	9.2
30°-40°	262.7	14.8
40°-50°	361.1	20.4
50°-60°	481.1	27.2
60°-70°	299.9	17.0
70°-80°	68.9	3.9
80°-90°	9.4	0.5
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°	1769.1	100.0
0°-180°	1769.1	100.0

Coefficient of Utilization



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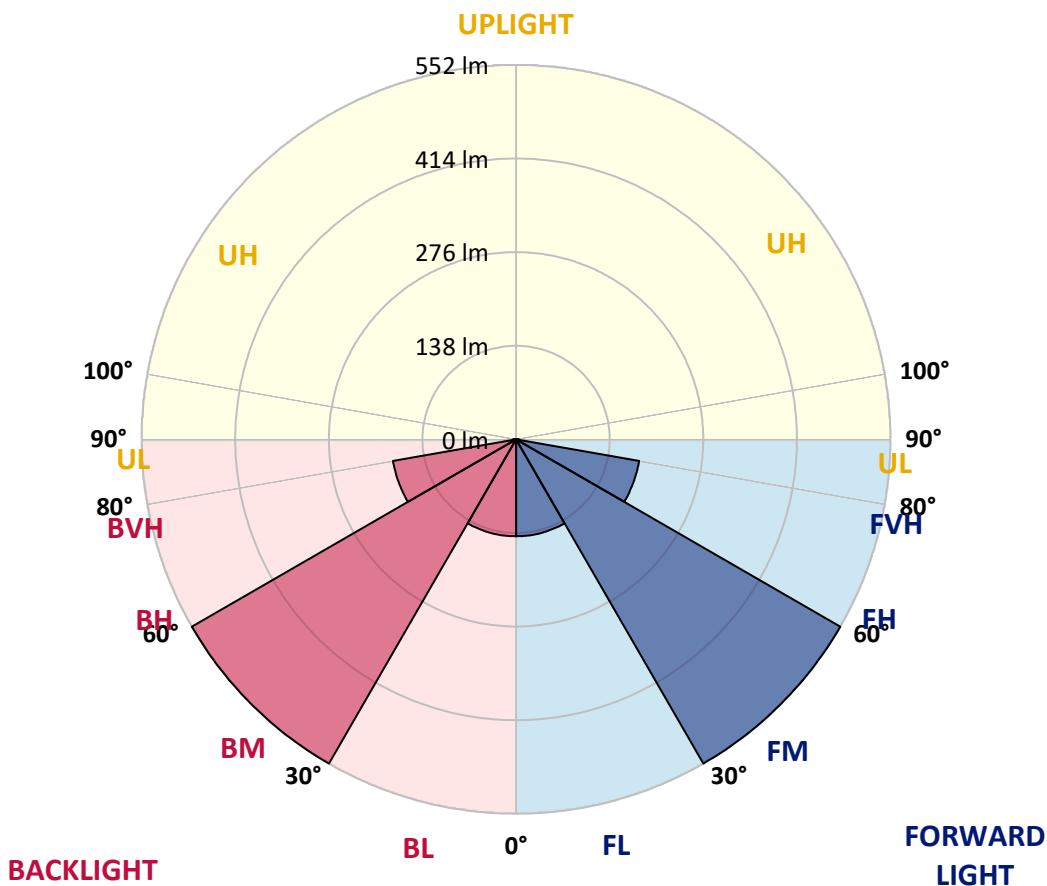
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.0	8.1			
FM (30°-60°)	552.4	31.2			
FH (60°-80°)	184.4	10.4			G0/660
FVH (80°-90°)	4.7	0.3			G0/10
BL (0°-30°)	143.0	8.1	B1/500		
BM (30°-60°)	552.4	31.2	B1/1000		
BH (60°-80°)	184.4	10.4	B1/500		G0/660
BVH (80°-90°)	4.7	0.3			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°	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3
2.5°	321.0	321.3	321.9	322.4	323.0	323.6	323.9	323.3	323.0	321.8	323.2
5°	321.3	321.6	322.1	322.1	322.2	322.7	322.7	321.9	321.2	319.8	321.3
7.5°	320.9	321.2	321.3	321.2	321.3	321.5	321.2	320.3	319.5	318.3	319.5
10°	320.1	320.4	320.7	320.4	320.1	320.6	320.6	320.0	319.5	318.3	319.7
12.5°	321.8	322.2	322.4	321.6	321.3	321.5	321.5	320.9	320.9	319.8	321.3
15°	325.7	326.0	325.6	324.7	324.8	325.3	324.2	322.7	322.4	321.9	323.2
17.5°	328.7	329.0	328.6	328.0	329.0	330.1	328.1	325.3	324.4	324.1	325.4
20°	332.0	332.5	331.9	332.6	334.7	335.9	333.5	329.6	327.8	327.4	329.0
22.5°	337.4	338.0	338.0	339.7	342.8	344.8	341.8	336.5	333.8	333.1	334.7
25°	346.0	346.4	346.9	350.2	355.3	358.0	353.2	346.0	342.2	341.0	341.9
27.5°	357.8	358.6	359.3	364.1	370.5	374.4	367.4	358.4	353.8	351.4	353.2
30°	372.0	373.0	374.8	380.2	389.1	393.4	384.6	373.6	368.3	365.8	368.2
32.5°	391.2	391.3	392.7	398.7	410.4	415.4	404.2	392.1	386.7	383.7	385.0
35°	414.0	414.1	412.0	418.2	430.8	436.4	423.3	411.0	406.5	405.6	409.0
37.5°	437.4	436.1	434.0	436.7	449.4	453.0	439.2	428.7	426.8	428.4	433.5
40°	454.1	451.8	447.6	449.6	462.5	466.7	452.0	442.1	441.5	445.5	451.7
42.5°	464.9	462.5	457.5	457.5	466.4	468.2	456.8	451.5	452.9	457.5	463.4
45°	470.2	468.8	466.0	464.5	469.4	470.2	461.5	459.3	461.9	464.2	468.7
47.5°	474.2	474.2	473.3	471.8	474.1	474.5	468.1	467.5	470.8	470.8	473.8
50°	481.4	482.2	483.4	483.1	485.5	487.0	482.2	481.3	482.6	478.3	479.8
52.5°	500.3	502.3	505.7	508.5	514.6	519.3	510.7	503.5	496.4	486.8	487.1
55°	534.3	535.2	541.9	549.9	560.3	569.7	552.1	529.8	514.5	503.2	503.3
57.5°	563.0	564.3	574.2	590.9	614.2	628.9	590.0	552.6	531.0	517.2	517.6
60°	538.2	536.4	555.2	583.7	625.9	644.6	587.3	536.2	505.1	488.0	489.2
62.5°	416.4	412.9	433.8	463.7	514.3	533.1	480.2	431.3	401.8	388.5	386.5
65°	253.5	250.3	265.3	283.7	317.9	329.8	305.6	279.6	253.9	245.8	243.6
67.5°	138.0	137.5	141.6	150.6	165.6	171.2	166.5	154.2	147.6	141.9	141.9
70°	109.5	108.6	107.8	108.0	109.3	110.1	110.2	109.6	110.4	110.5	109.9
72.5°	90.7	90.4	88.9	89.0	88.4	88.1	89.2	89.8	91.0	91.1	91.1
75°	65.8	65.0	65.8	65.9	65.3	65.3	66.1	65.9	66.5	66.8	65.2
77.5°	37.4	37.4	38.4	39.6	40.5	40.5	41.3	41.3	42.0	41.9	41.6
80°	20.6	20.6	21.2	21.9	22.8	23.7	24.5	24.6	25.1	24.9	24.5
82.5°	11.7	11.9	12.2	12.6	13.5	14.3	15.0	15.2	15.6	15.6	15.2
85°	5.6	5.4	5.6	5.9	6.3	6.9	7.7	8.1	8.4	8.4	8.1
87.5°	1.1	1.2	1.1	1.2	1.4	1.8	2.1	2.4	2.9	3.0	2.7
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)