

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: P629600

Luminaire Tested: GWS-SA1C-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629600
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-SA1C-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: 2163.2 lumens
Efficiency: N/A
Efficacy: 63.4 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

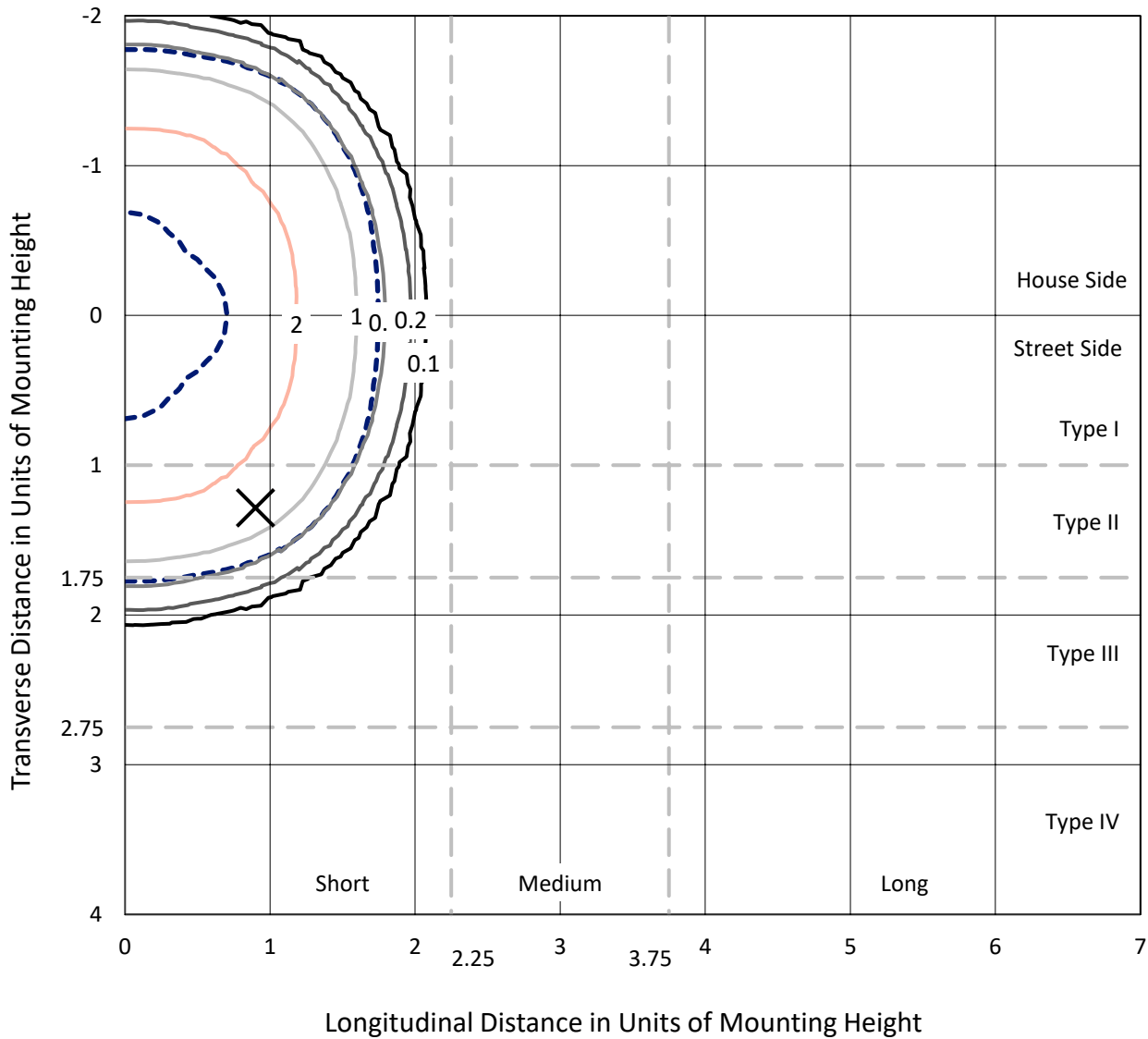
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

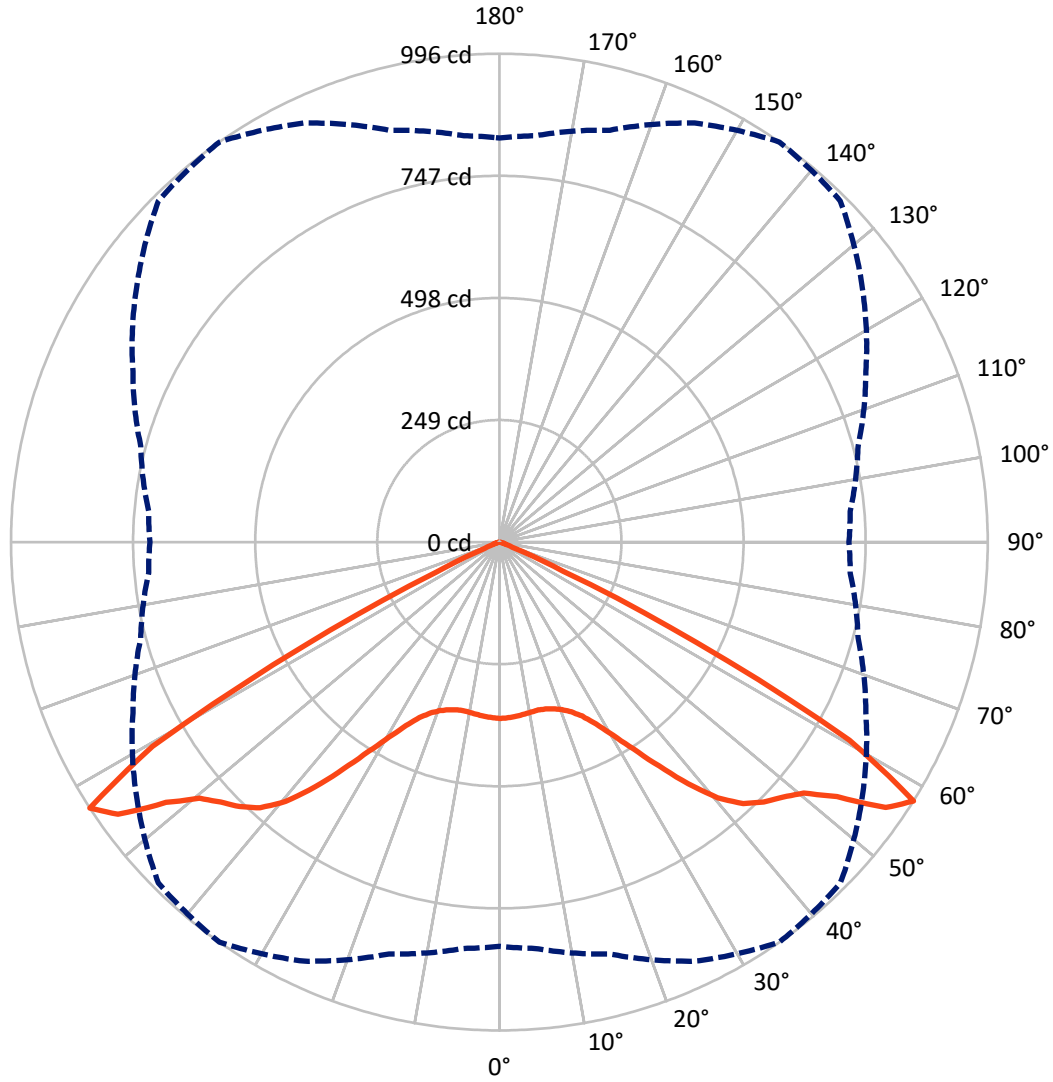
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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	1081.6	0.0	1081.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1081.6	0.0	1081.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2163.2	0.0	2163.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.6
10°-20°	99.7	4.6
20°-30°	180.2	8.3
30°-40°	336.1	15.5
40°-50°	563.8	26.1
50°-60°	744.6	34.4
60°-70°	197.8	9.1
70°-80°	7.0	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°	2163.2	100.0
0°-180°	2163.2	100.0

Coefficient of Utilization



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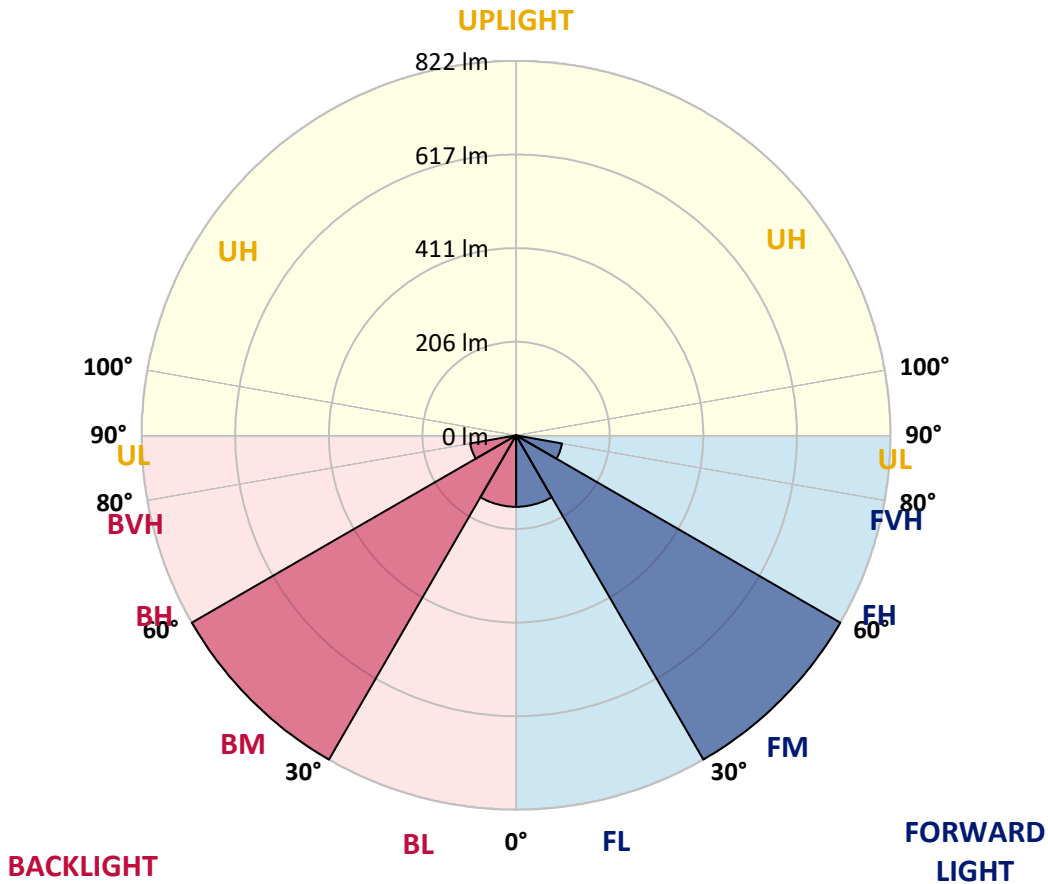
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.9	7.3			
FM (30°-60°)	822.3	38.0			
FH (60°-80°)	102.4	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	156.9	7.3	B1/500		
BM (30°-60°)	822.3	38.0	B1/1000		
BH (60°-80°)	102.4	4.7	B0/110		G0/660
BVH (80°-90°)	0.1	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°	359.7	359.7	359.7	359.7	359.7	359.7	359.7	359.7	359.7	359.7	359.7
2.5°	357.1	356.9	357.9	358.6	358.6	360.4	359.9	359.4	358.9	358.1	359.9
5°	356.6	356.4	357.1	357.6	357.1	358.6	357.6	356.6	356.1	355.1	357.1
7.5°	354.3	354.6	355.1	355.6	354.8	356.1	354.8	353.3	352.0	351.0	352.8
10°	350.8	351.0	351.5	352.5	352.8	354.6	352.8	350.0	348.2	346.7	348.5
12.5°	349.0	349.2	350.0	351.3	351.5	353.8	351.5	347.5	344.9	343.2	344.9
15°	349.5	350.0	351.0	352.5	353.1	355.3	352.3	347.0	343.4	341.1	342.6
17.5°	351.3	351.8	353.3	355.8	357.6	359.9	356.1	349.2	344.4	341.1	342.6
20°	353.6	354.3	356.9	360.9	364.7	368.8	364.0	354.6	348.2	344.2	345.4
22.5°	359.9	360.7	364.2	369.6	375.9	381.0	375.1	363.2	354.6	349.2	350.5
25°	372.8	373.6	378.2	385.0	393.2	399.8	392.4	377.4	366.3	360.2	360.7
27.5°	393.2	393.9	399.2	408.9	419.8	429.2	418.5	401.0	388.3	381.2	381.2
30°	418.8	419.8	426.9	439.9	456.9	469.3	454.8	433.5	417.3	407.6	407.9
32.5°	451.8	450.8	460.9	478.7	502.8	519.3	498.0	472.1	452.0	438.6	439.9
35°	494.2	493.9	505.3	529.5	560.9	580.7	555.3	521.8	497.7	484.0	484.3
37.5°	548.7	548.5	561.7	587.8	625.6	642.1	613.7	579.7	553.8	540.6	542.1
40°	612.7	611.2	622.9	648.0	685.8	696.5	665.5	638.1	613.2	604.8	608.9
42.5°	673.6	670.3	677.2	700.0	729.2	730.7	707.4	688.6	671.6	665.0	667.5
45°	722.6	720.1	726.4	739.6	756.4	748.7	737.6	731.7	718.0	710.9	713.2
47.5°	759.2	759.2	766.8	774.9	777.4	763.5	765.2	765.2	751.5	740.4	737.6
50°	790.6	792.9	804.3	812.7	804.3	786.6	796.7	794.7	766.8	744.4	738.6
52.5°	840.9	843.2	860.7	872.1	862.7	845.2	846.5	821.1	780.0	753.6	744.4
55°	894.2	899.8	925.1	955.6	955.9	937.8	904.3	859.4	809.4	780.7	771.3
57.5°	824.4	832.0	869.8	943.2	996.2	983.8	903.8	824.9	757.4	718.3	713.0
60°	567.3	580.5	618.3	718.5	820.8	825.7	731.2	642.7	565.2	517.0	518.0
62.5°	239.6	253.1	274.4	356.9	450.8	456.6	410.9	347.5	284.3	249.5	254.8
65°	56.3	60.2	66.5	98.7	143.1	149.7	138.1	107.6	79.4	67.3	68.5
67.5°	24.6	25.1	23.9	25.4	31.5	32.2	31.2	27.4	25.9	26.4	26.4
70°	17.3	17.5	16.5	15.7	15.0	14.0	14.5	16.0	17.3	18.3	18.0
72.5°	10.7	10.9	11.2	11.2	10.4	9.4	9.9	10.9	11.2	11.4	11.2
75°	5.3	5.6	6.1	6.3	6.1	5.8	5.8	6.1	6.1	5.8	5.8
77.5°	1.0	1.3	1.8	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)