

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: P628610

Luminaire Tested: GWS-SA1A-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628610
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-SA1A-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: 1279.8 lumens
Efficiency: N/A
Efficacy: 65.0 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

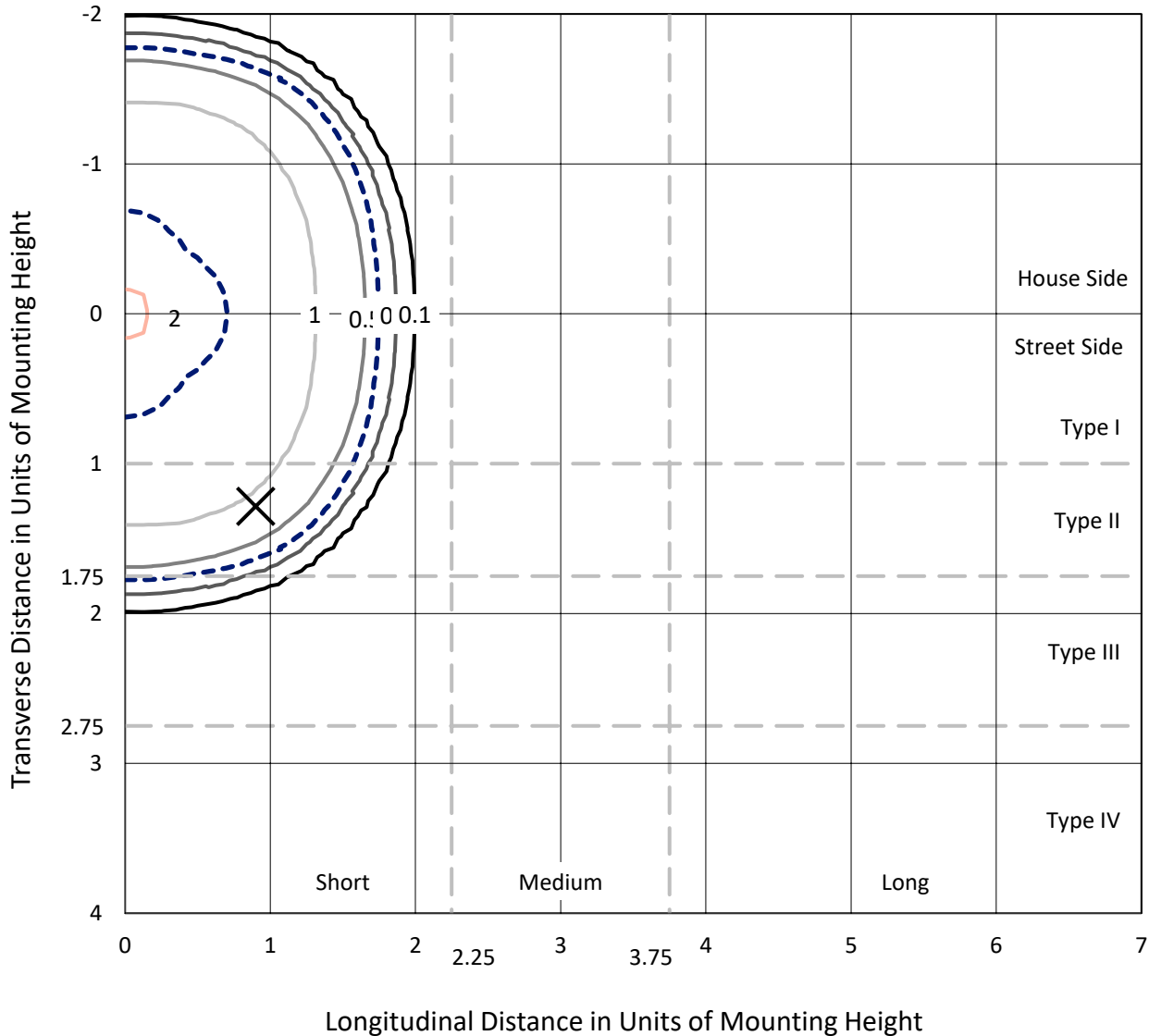
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

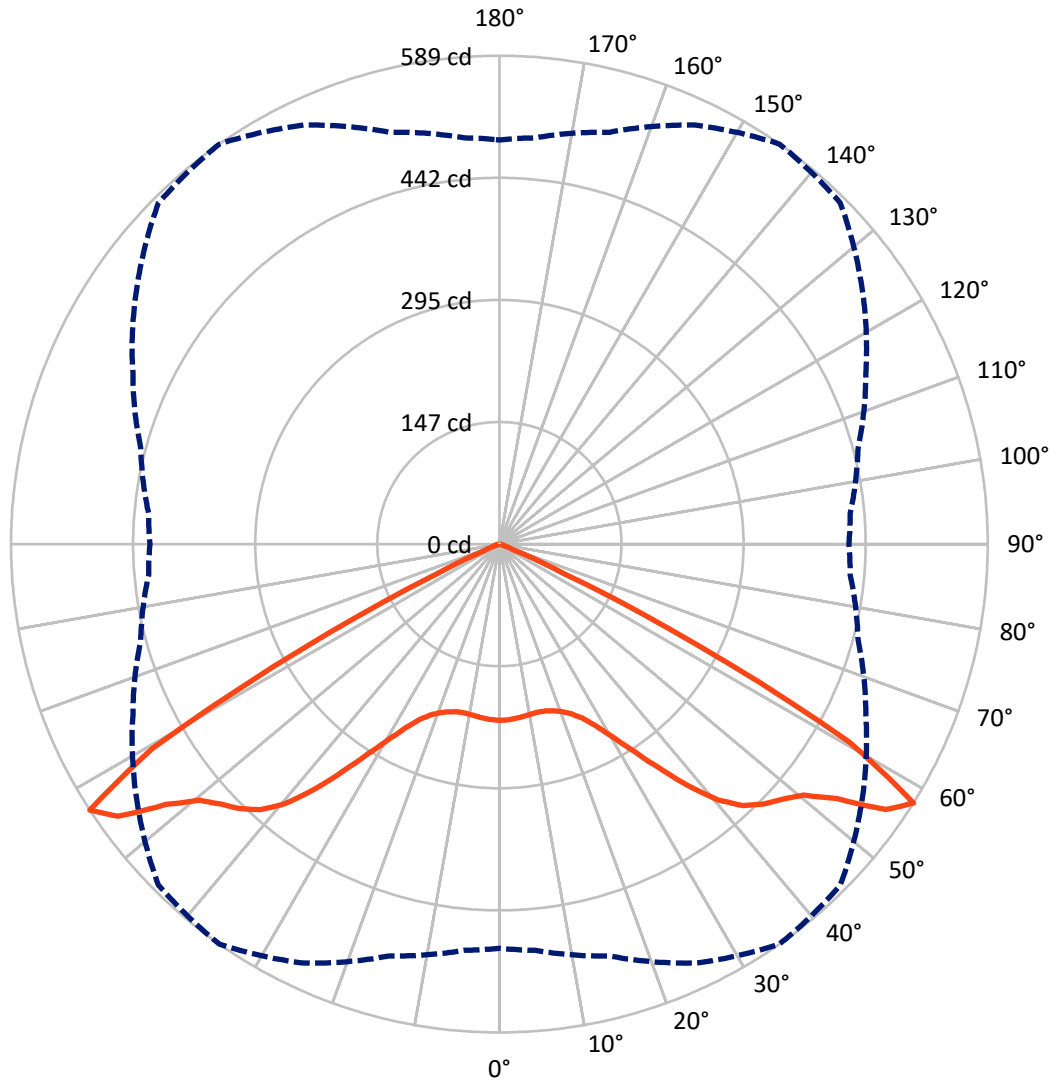
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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	639.9	0.0	639.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	639.9	0.0	639.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	1279.8	0.0	1279.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	1.6
10°-20°	59.0	4.6
20°-30°	106.6	8.3
30°-40°	198.9	15.5
40°-50°	333.6	26.1
50°-60°	440.5	34.4
60°-70°	117.0	9.1
70°-80°	4.2	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°	1279.8	100.0
0°-180°	1279.8	100.0

Coefficient of Utilization



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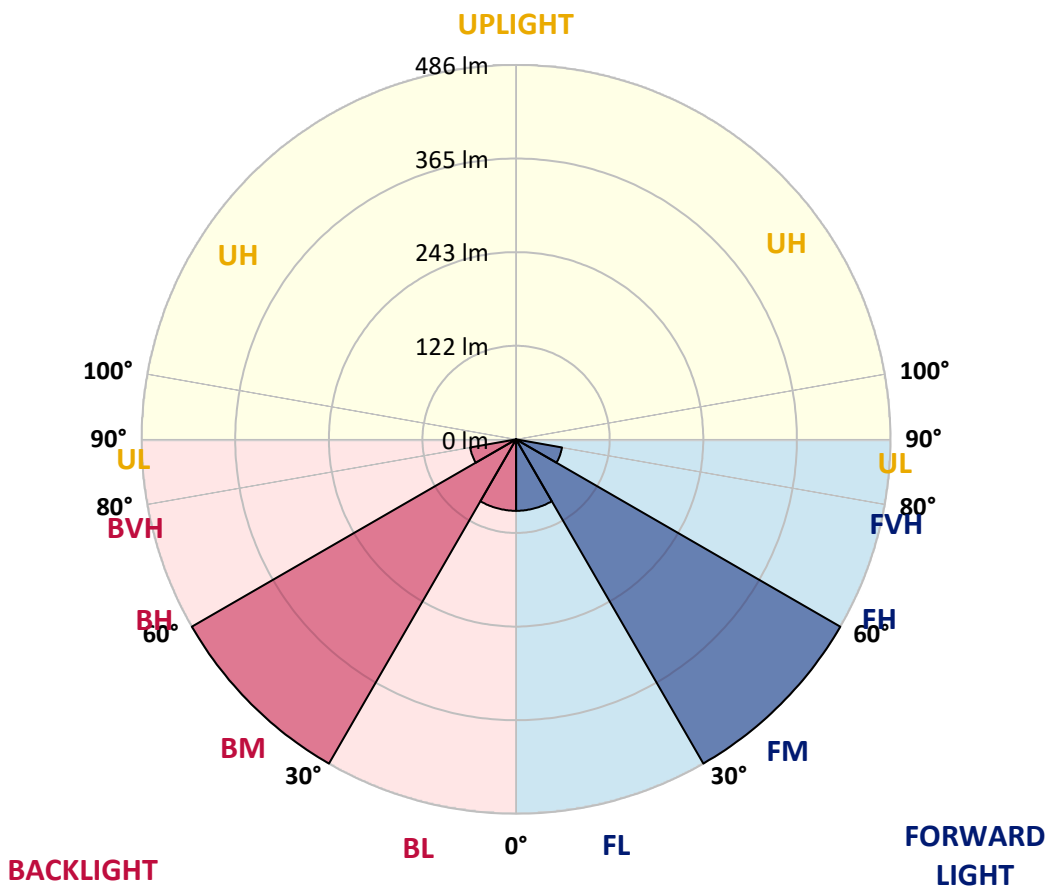
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.8	7.3			
FM (30°-60°)	486.5	38.0			
FH (60°-80°)	60.6	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	92.8	7.3	B0/110		
BM (30°-60°)	486.5	38.0	B1/1000		
BH (60°-80°)	60.6	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 <td></td> <td>U0/0</td> <td></td>		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°	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
2.5°	211.3	211.1	211.7	212.2	212.2	213.2	212.9	212.6	212.3	211.9	212.9
5°	211.0	210.8	211.3	211.6	211.3	212.2	211.6	211.0	210.7	210.1	211.3
7.5°	209.6	209.8	210.1	210.4	209.9	210.7	209.9	209.0	208.3	207.7	208.7
10°	207.5	207.7	208.0	208.6	208.7	209.8	208.7	207.1	206.0	205.1	206.2
12.5°	206.5	206.6	207.1	207.8	208.0	209.3	208.0	205.6	204.1	203.0	204.1
15°	206.8	207.1	207.7	208.6	208.9	210.2	208.4	205.3	203.2	201.8	202.7
17.5°	207.8	208.1	209.0	210.5	211.6	212.9	210.7	206.6	203.8	201.8	202.7
20°	209.2	209.6	211.1	213.5	215.8	218.2	215.3	209.8	206.0	203.6	204.4
22.5°	212.9	213.4	215.5	218.6	222.4	225.4	221.9	214.9	209.8	206.6	207.4
25°	220.6	221.0	223.7	227.8	232.6	236.5	232.1	223.3	216.7	213.1	213.4
27.5°	232.6	233.1	236.2	241.9	248.4	253.9	247.6	237.3	229.7	225.5	225.5
30°	247.8	248.4	252.6	260.2	270.3	277.6	269.1	256.5	246.9	241.2	241.3
32.5°	267.3	266.7	272.7	283.2	297.5	307.2	294.6	279.3	267.4	259.5	260.2
35°	292.4	292.2	299.0	313.2	331.9	343.6	328.6	308.7	294.5	286.4	286.5
37.5°	324.6	324.5	332.3	347.8	370.1	379.9	363.1	343.0	327.7	319.8	320.7
40°	362.5	361.6	368.5	383.4	405.7	412.0	393.7	377.5	362.8	357.8	360.2
42.5°	398.5	396.6	400.6	414.1	431.4	432.3	418.5	407.4	397.3	393.4	394.9
45°	427.5	426.0	429.8	437.6	447.5	443.0	436.4	432.9	424.8	420.6	422.0
47.5°	449.1	449.1	453.6	458.4	459.9	451.7	452.7	452.7	444.6	438.0	436.4
50°	467.8	469.1	475.9	480.8	475.9	465.3	471.4	470.2	453.6	440.4	437.0
52.5°	497.5	498.8	509.2	516.0	510.4	500.0	500.8	485.8	461.4	445.8	440.4
55°	529.0	532.3	547.3	565.4	565.5	554.8	535.0	508.4	478.9	461.9	456.3
57.5°	487.7	492.2	514.6	558.0	589.4	582.0	534.7	488.0	448.1	425.0	421.8
60°	335.6	343.4	365.8	425.1	485.6	488.5	432.6	380.2	334.4	305.9	306.5
62.5°	141.8	149.7	162.3	211.1	266.7	270.1	243.1	205.6	168.2	147.6	150.8
65°	33.3	35.6	39.3	58.4	84.7	88.6	81.7	63.7	47.0	39.8	40.5
67.5°	14.6	14.9	14.1	15.0	18.6	19.1	18.5	16.2	15.3	15.6	15.6
70°	10.2	10.4	9.8	9.3	8.9	8.3	8.6	9.5	10.2	10.8	10.7
72.5°	6.3	6.5	6.6	6.6	6.2	5.6	5.9	6.5	6.6	6.8	6.6
75°	3.2	3.3	3.6	3.8	3.6	3.5	3.5	3.6	3.6	3.5	3.5
77.5°	0.6	0.8	1.1	1.2	1.2	1.2	1.2	1.2	1.4	1.2	1.2
80°	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
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)