

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: P629051

Luminaire Tested: GWS-SA1A-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1978 lumens
Efficiency: N/A
Efficacy: 100.4 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

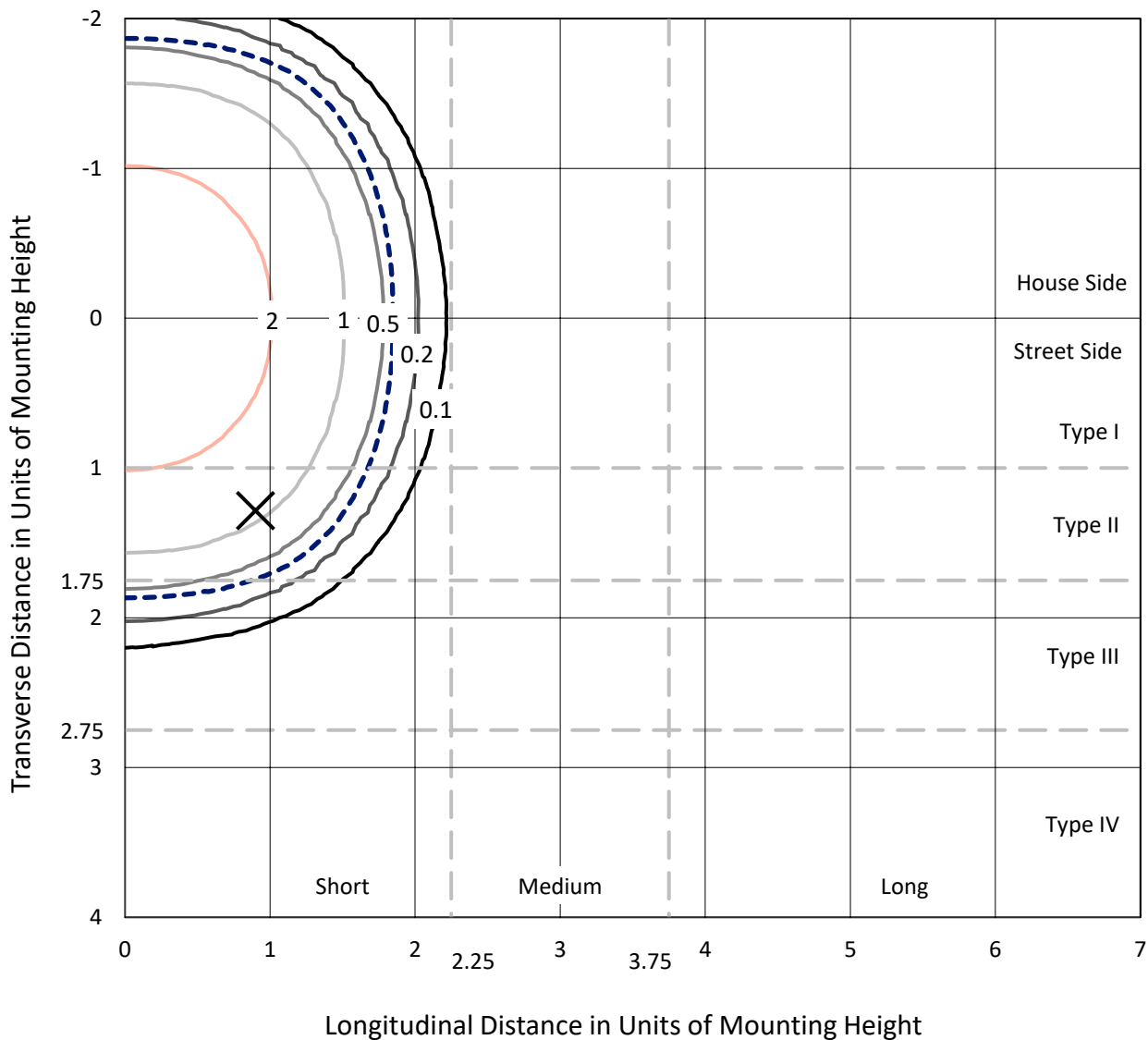
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

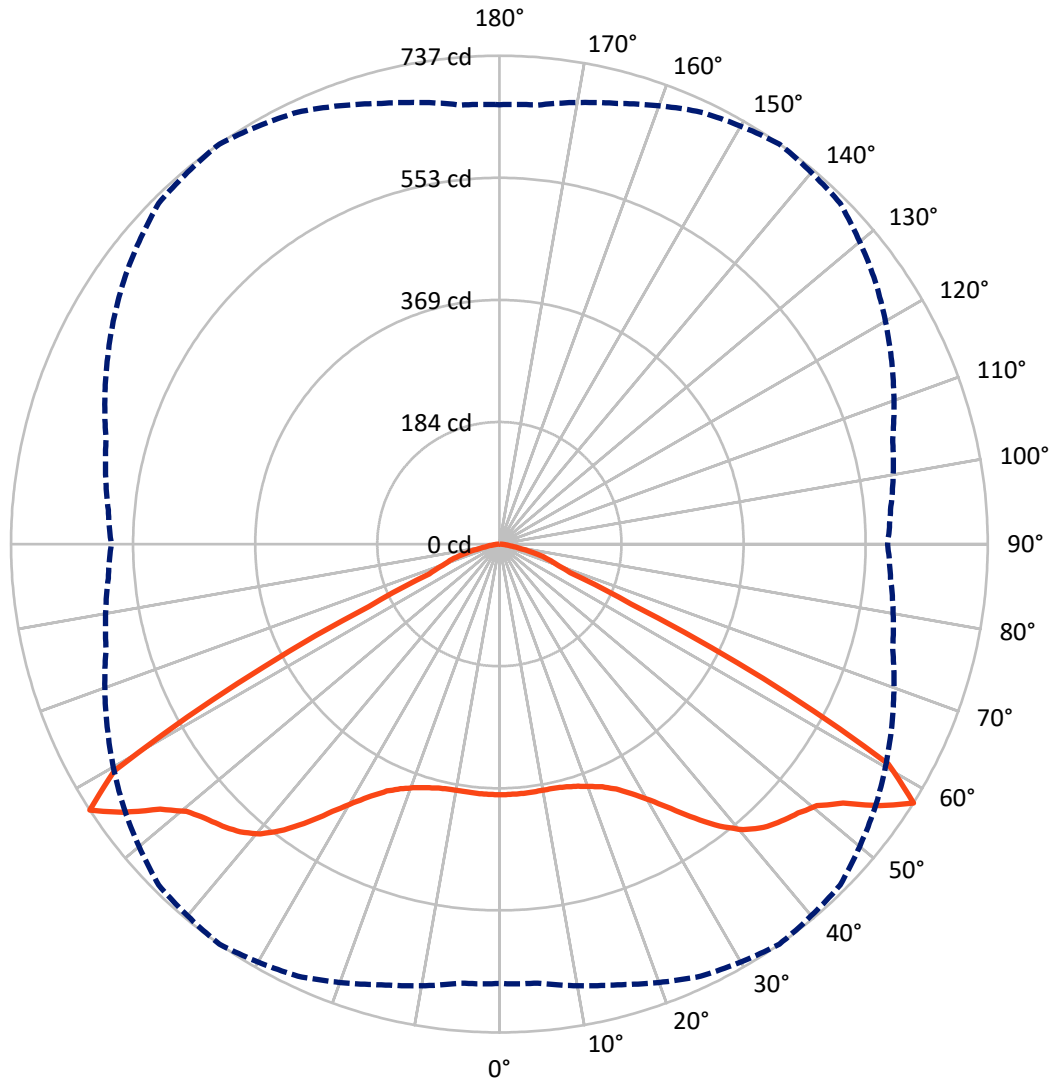
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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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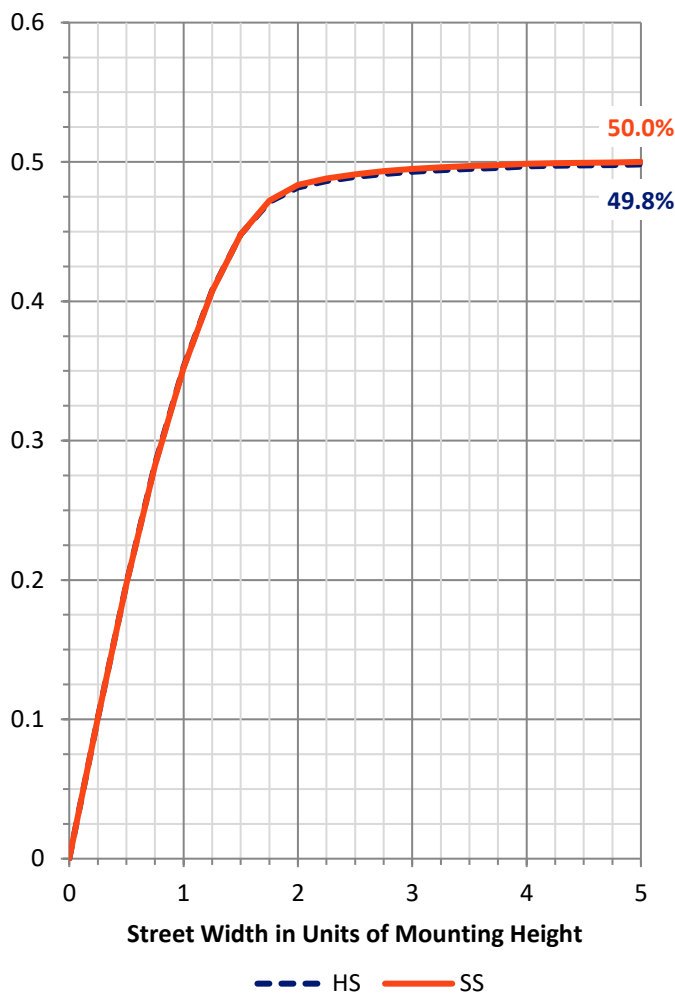
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.0	0.0	989.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	989.0	0.0	989.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1978.0	0.0	1978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.8
10°-20°	107.4	5.4
20°-30°	187.4	9.5
30°-40°	307.3	15.5
40°-50°	452.6	22.9
50°-60°	577.6	29.2
60°-70°	243.4	12.3
70°-80°	58.2	2.9
80°-90°	7.9	0.4
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°	1978.0	100.0
0°-180°	1978.0	100.0

Coefficient of Utilization



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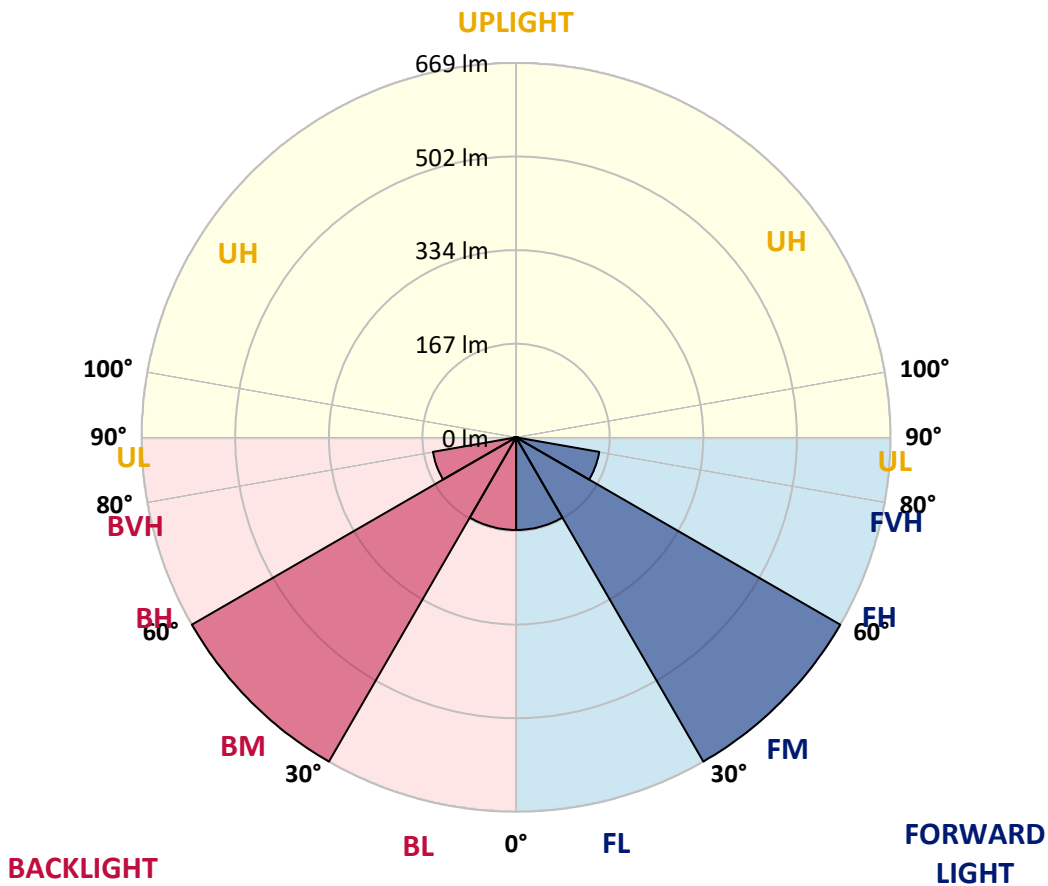
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.4	8.4			
FM (30°-60°)	668.8	33.8			
FH (60°-80°)	150.8	7.6			G0/660
FVH (80°-90°)	4.0	0.2			G0/10
BL (0°-30°)	165.4	8.4	B1/500		
BM (30°-60°)	668.8	33.8	B1/1000		
BH (60°-80°)	150.8	7.6	B1/500		G0/660
BVH (80°-90°)	4.0	0.2			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°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	376.2	376.2	377.0	377.8	378.1	379.6	379.4	379.0	378.6	377.7	379.0
5°	377.0	377.0	377.7	378.1	378.0	379.1	378.6	377.8	377.3	376.4	377.8
7.5°	376.8	376.8	377.3	377.8	377.5	378.5	377.7	376.5	375.7	374.7	376.0
10°	374.7	375.1	375.6	376.7	377.2	378.6	377.5	375.7	374.4	373.3	374.6
12.5°	374.4	374.7	375.4	376.8	377.7	379.8	378.3	375.4	373.4	372.0	373.3
15°	375.9	376.2	377.2	379.0	380.2	382.5	380.4	376.4	373.6	371.7	372.8
17.5°	377.7	378.1	379.6	382.2	384.3	386.7	384.1	379.3	375.4	372.8	373.8
20°	379.6	380.2	382.5	386.4	390.3	393.4	390.1	383.6	379.0	375.6	376.5
22.5°	383.0	383.8	386.7	392.2	398.1	402.6	398.5	389.8	383.6	379.3	380.1
25°	390.0	390.9	394.7	401.3	409.6	415.1	409.4	399.5	390.9	385.6	386.4
27.5°	402.3	402.8	407.6	416.4	426.6	432.9	426.1	414.4	404.9	398.7	399.4
30°	418.5	419.9	424.8	436.3	448.4	456.8	447.9	434.2	423.2	415.7	416.4
32.5°	438.2	439.2	446.5	458.5	476.0	485.7	473.5	457.2	443.9	434.8	435.5
35°	464.1	464.9	471.9	487.1	508.3	517.4	503.5	484.7	469.3	460.7	463.2
37.5°	495.1	496.5	501.5	516.6	540.3	549.2	533.1	515.6	499.6	491.7	493.4
40°	528.3	528.1	532.2	545.4	567.0	572.5	558.1	544.1	530.4	525.2	528.1
42.5°	556.8	556.0	558.9	569.9	584.8	585.3	575.7	567.9	558.2	554.7	557.4
45°	576.7	577.0	581.4	589.0	596.6	592.6	589.6	588.3	580.7	575.9	576.4
47.5°	592.4	593.7	600.7	605.8	606.8	600.0	604.1	606.0	599.7	592.2	590.1
50°	606.3	608.4	617.5	623.0	620.9	612.3	620.3	623.2	609.2	595.0	590.8
52.5°	631.6	634.0	645.0	652.2	649.7	641.1	648.6	638.2	614.7	597.3	591.9
55°	671.9	673.0	686.5	698.1	697.0	686.5	680.5	657.5	629.0	610.9	605.8
57.5°	663.3	665.3	688.6	719.7	737.2	727.6	692.5	653.3	614.6	592.7	585.9
60°	522.0	526.6	555.6	610.4	674.5	674.3	609.1	548.2	501.5	472.6	469.6
62.5°	304.8	308.0	334.4	389.8	447.3	450.9	405.0	363.2	322.4	302.8	293.4
65°	144.3	144.1	154.7	179.6	218.5	221.5	207.8	184.9	160.8	154.2	152.4
67.5°	106.6	106.6	105.8	107.5	115.0	116.6	115.0	111.3	109.0	110.4	109.5
70°	92.5	92.6	91.7	91.2	91.2	90.7	91.3	92.8	93.8	95.7	94.7
72.5°	75.0	75.1	75.1	75.3	75.5	74.8	75.8	76.6	76.8	77.4	76.8
75°	53.3	53.6	54.6	55.4	56.0	56.0	56.4	56.5	55.9	56.7	55.4
77.5°	29.3	29.6	31.4	32.9	34.3	34.5	35.0	35.3	35.0	35.6	34.7
80°	16.2	16.5	17.3	18.0	19.1	20.1	20.7	21.1	21.1	21.5	21.1
82.5°	9.2	9.6	10.0	10.4	11.3	12.1	12.8	13.3	13.3	13.4	13.1
85°	4.4	4.4	4.7	5.0	5.5	5.8	6.6	7.1	7.1	7.4	7.1
87.5°	0.6	0.8	1.0	1.0	1.3	1.6	1.9	2.1	2.4	2.6	2.6
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)