

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: P628946

Luminaire Tested: GWS-SA1A-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1509.9 lumens
Efficiency: N/A
Efficacy: 76.6 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

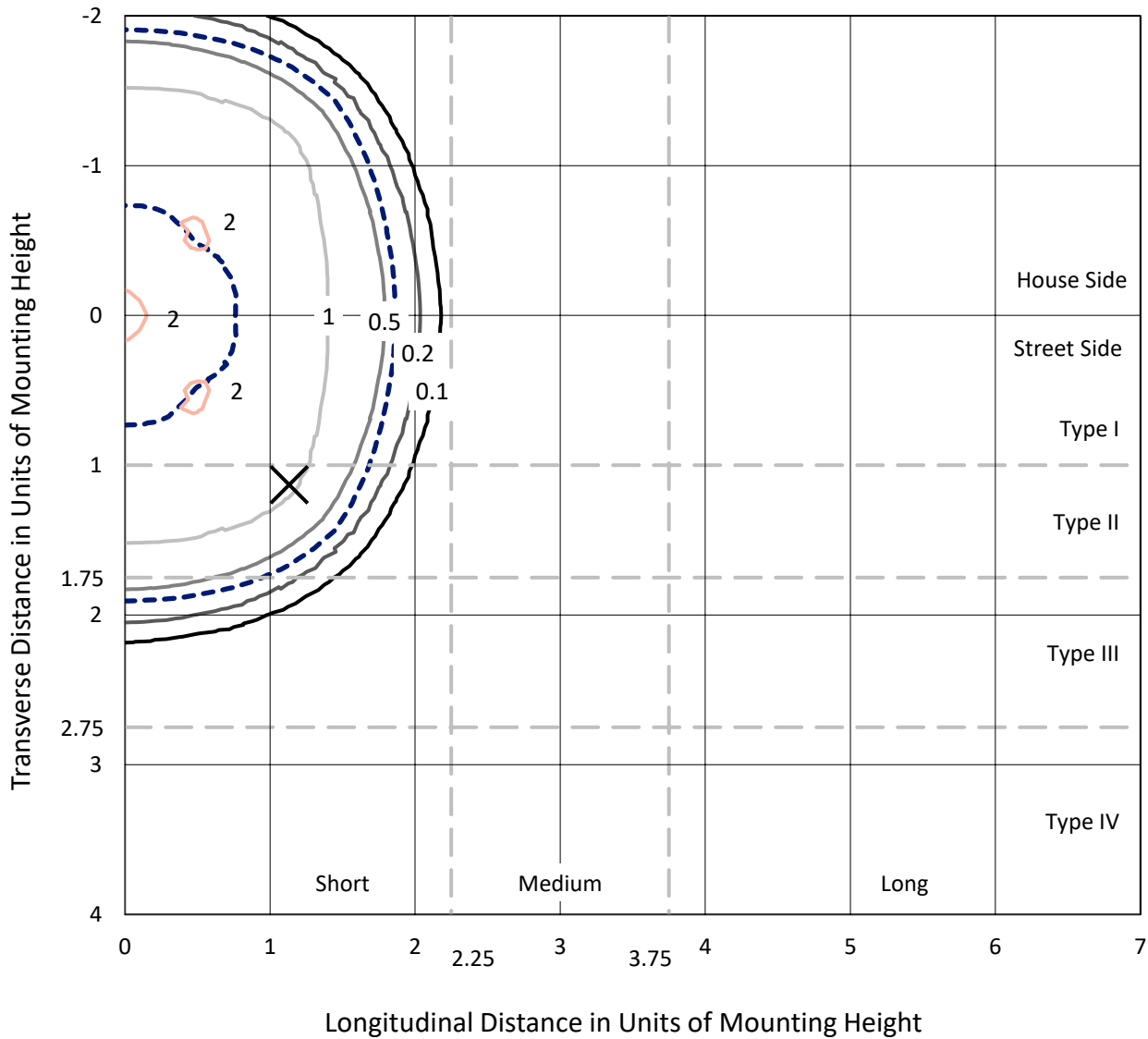
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

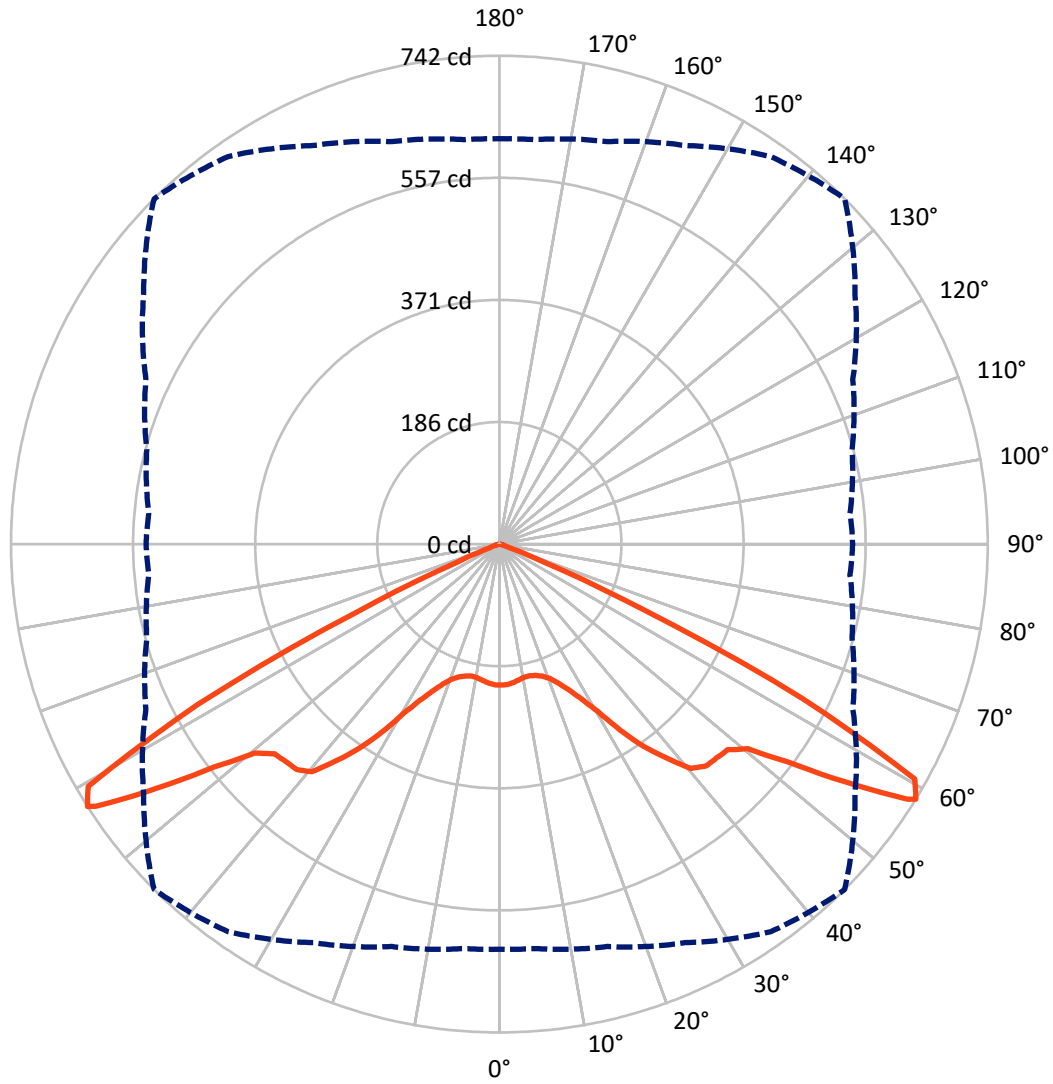
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.9	0.0	754.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	754.9	0.0	754.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	1509.9	0.0	1509.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	1.3
10°-20°	59.1	3.9
20°-30°	111.8	7.4
30°-40°	220.5	14.6
40°-50°	348.9	23.1
50°-60°	512.9	34.0
60°-70°	228.9	15.2
70°-80°	7.7	0.5
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°	1509.9	100.0
0°-180°	1509.9	100.0

Coefficient of Utilization



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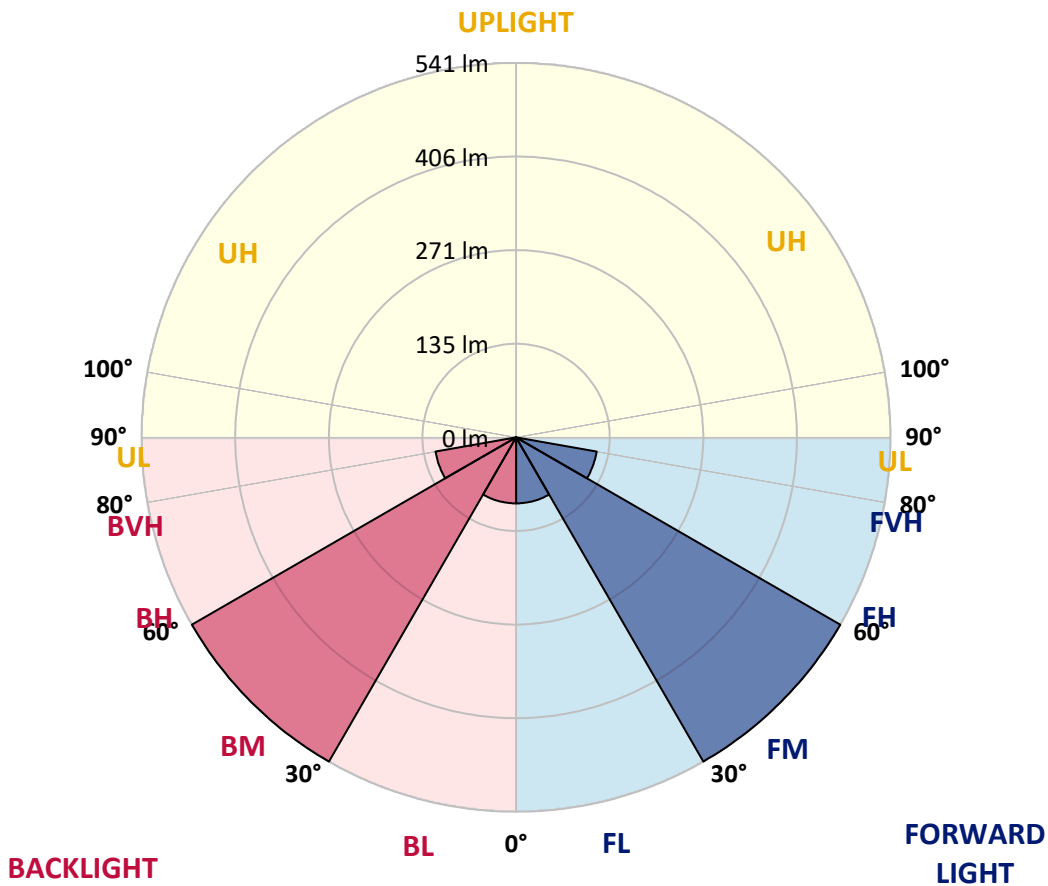
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.4	6.3			
FM (30°-60°)	541.2	35.8			
FH (60°-80°)	118.3	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	95.4	6.3	B0/110		
BM (30°-60°)	541.2	35.8	B1/1000		
BH (60°-80°)	118.3	7.8	B1/500		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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	212.1	212.5	212.9	213.1	213.3	213.9	214.1	213.5	213.5	212.3	213.7
5°	211.0	211.4	211.9	211.7	211.7	211.7	211.4	210.6	210.4	209.2	210.6
7.5°	209.2	209.6	209.6	209.0	208.6	208.6	208.4	207.3	207.1	205.9	207.3
10°	207.7	208.0	207.7	206.5	205.7	205.7	205.5	205.1	205.3	204.5	205.7
12.5°	208.6	208.8	208.0	206.3	205.3	205.1	204.5	203.8	204.5	204.3	205.5
15°	211.2	211.4	210.0	208.0	207.1	207.1	205.5	203.8	204.7	204.9	206.3
17.5°	214.5	214.5	212.7	210.8	211.0	211.0	208.4	205.5	205.7	206.5	208.0
20°	218.4	218.4	216.6	216.2	217.6	217.8	214.5	210.0	209.0	209.6	211.2
22.5°	225.4	225.4	224.0	225.0	228.3	229.3	224.4	218.0	215.6	216.0	217.6
25°	236.3	236.3	235.9	238.4	243.1	245.4	238.8	230.4	226.3	225.6	227.5
27.5°	254.6	254.9	254.2	257.9	263.9	266.6	257.5	246.4	241.5	240.5	242.3
30°	278.3	278.3	278.5	283.6	291.5	295.0	283.0	270.1	264.3	261.0	263.5
32.5°	304.6	305.0	307.1	315.7	329.5	336.7	319.2	301.1	291.9	288.4	291.1
35°	348.0	344.1	341.7	348.0	368.0	377.4	355.0	333.8	326.8	326.4	333.2
37.5°	391.0	388.8	383.6	390.2	408.1	412.4	387.7	370.0	365.1	367.8	374.6
40°	425.2	421.0	414.3	420.4	443.9	448.2	417.8	400.3	398.4	404.4	413.6
42.5°	452.1	446.3	437.3	438.7	457.7	460.7	433.8	420.6	421.9	429.3	439.8
45°	464.2	459.7	451.7	451.1	463.0	463.2	442.0	435.2	438.5	444.3	452.5
47.5°	469.4	467.3	462.8	461.8	468.6	466.9	453.8	450.9	454.0	455.6	460.3
50°	482.1	482.1	482.8	483.6	490.6	488.9	479.7	476.4	472.5	466.7	468.2
52.5°	517.9	519.4	525.3	531.9	544.7	550.0	535.0	515.9	497.2	484.6	484.6
55°	582.5	584.0	590.9	602.1	625.5	638.3	603.3	561.1	535.4	518.3	520.6
57.5°	618.1	619.7	634.1	664.2	709.6	731.2	656.2	593.6	557.6	538.1	539.7
58°	615.8	616.9	633.1	668.3	718.9	742.1	659.9	592.6	554.7	534.8	536.9
60°	547.1	545.7	571.6	621.8	693.2	725.3	623.0	541.0	496.9	476.6	477.6
62.5°	357.7	358.5	380.9	433.4	488.9	519.2	435.2	374.2	338.8	326.4	323.3
65°	149.3	146.7	160.4	189.6	223.0	239.8	206.1	174.4	152.6	144.4	146.7
67.5°	38.5	37.4	38.3	47.9	58.6	69.3	58.2	44.4	38.7	39.1	39.1
70°	21.8	20.6	16.7	15.4	15.0	15.0	15.0	15.0	17.3	20.4	21.0
72.5°	16.5	15.4	12.1	10.5	9.3	8.6	9.1	10.5	12.5	15.2	15.6
75°	8.2	8.2	7.4	7.0	6.2	5.8	6.0	6.6	7.6	8.6	8.4
77.5°	1.6	1.9	2.1	2.5	2.1	2.1	2.1	2.5	2.5	2.7	2.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)