

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: P628836

Luminaire Tested: GWS-SA1A-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628836
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.5 lumens
Efficiency: N/A
Efficacy: 76.0 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

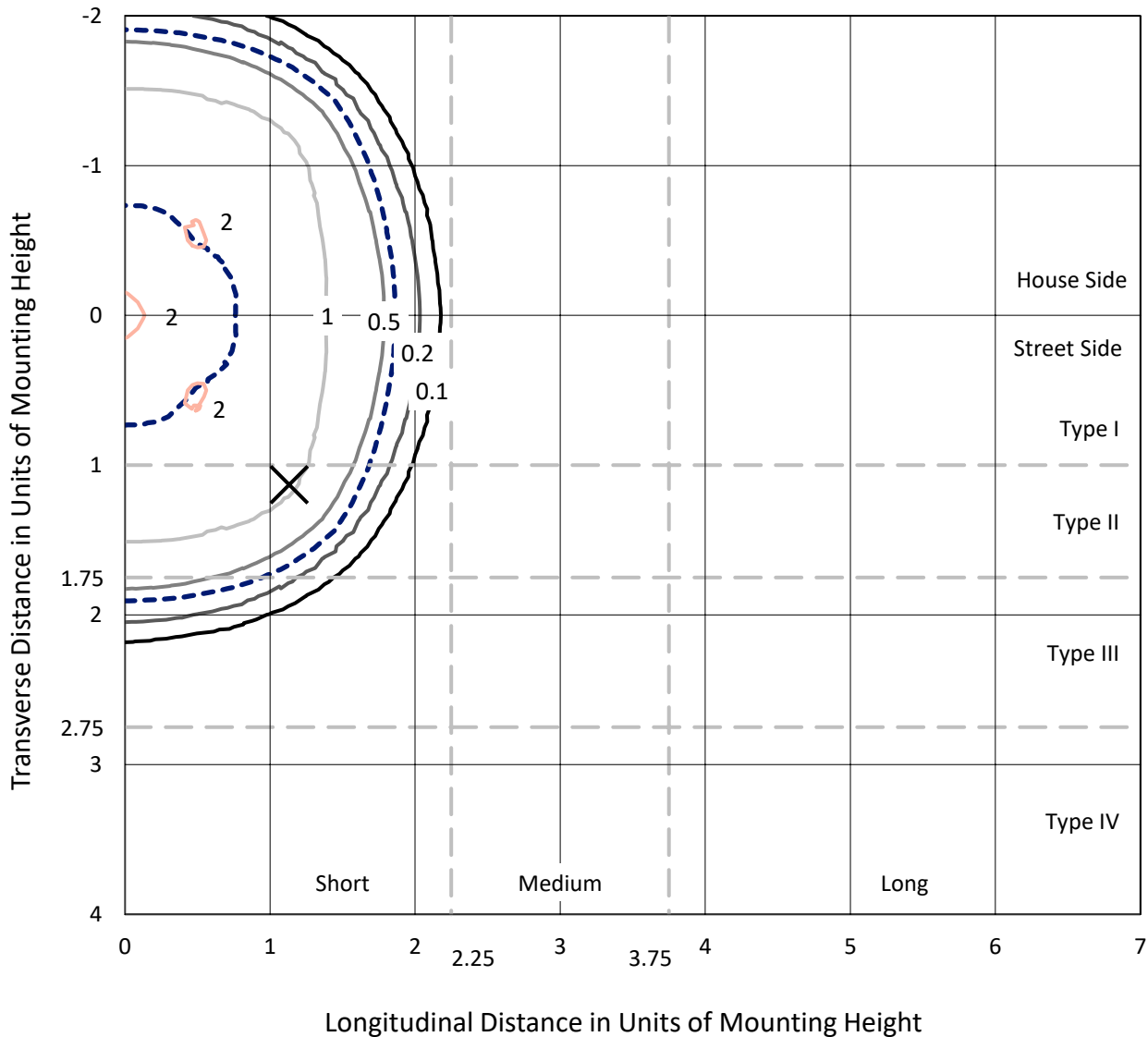
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

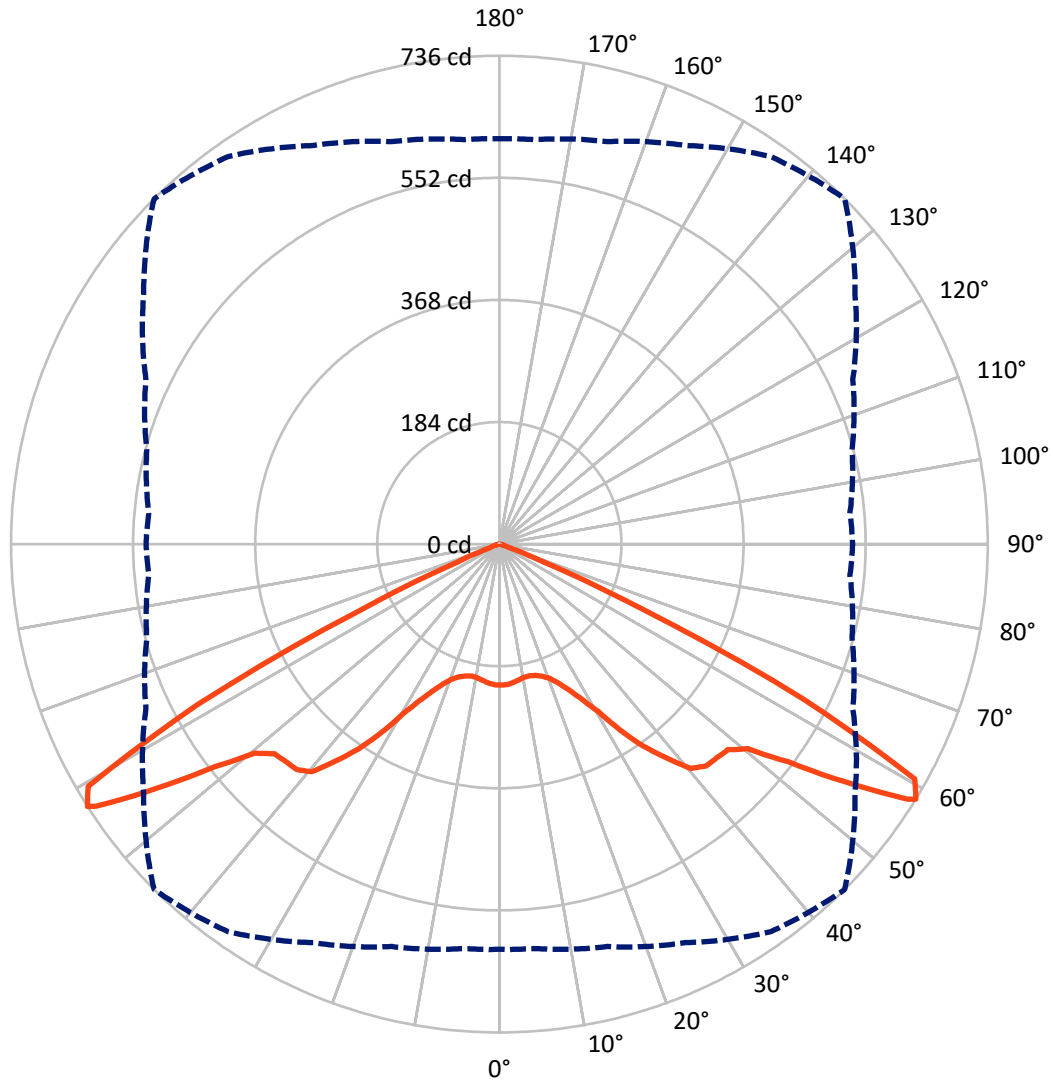
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.2	0.0	748.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	748.2	0.0	748.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	1496.5	0.0	1496.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.3
10°-20°	58.6	3.9
20°-30°	110.8	7.4
30°-40°	218.5	14.6
40°-50°	345.8	23.1
50°-60°	508.4	34.0
60°-70°	226.9	15.2
70°-80°	7.6	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°	1496.5	100.0
0°-180°	1496.5	100.0

Coefficient of Utilization



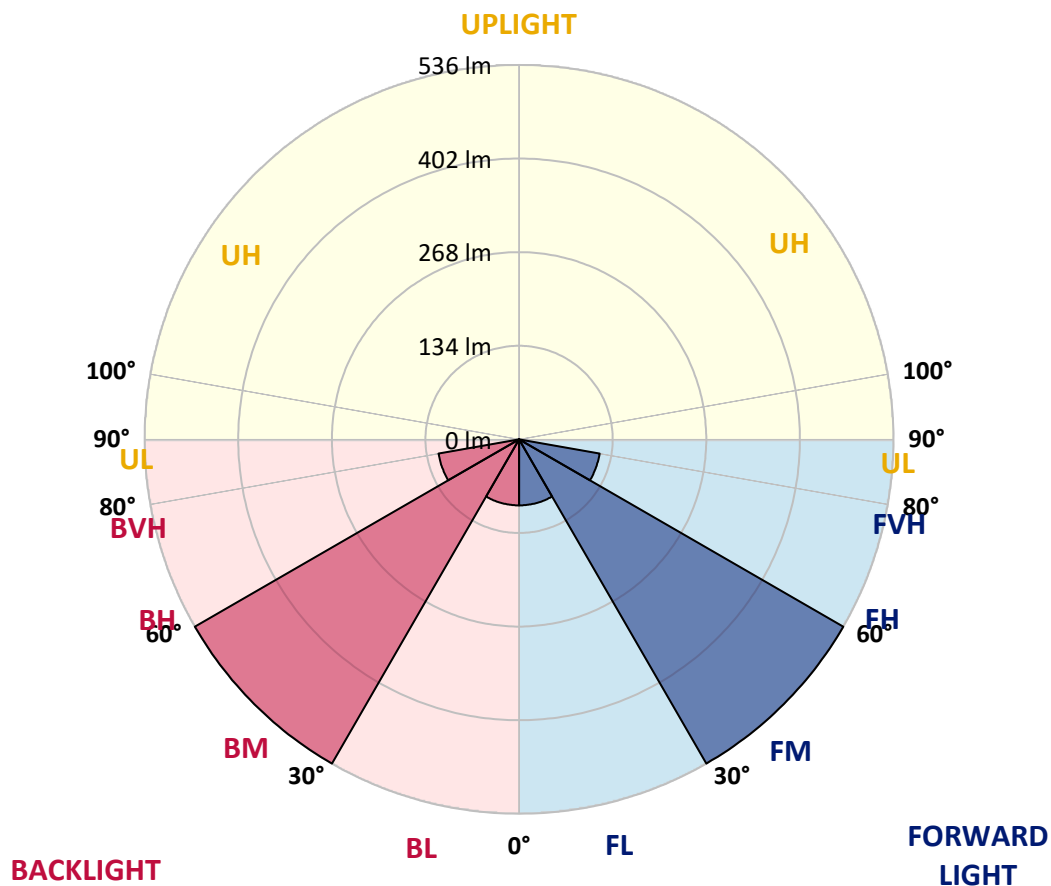
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.6	6.3			
FM (30°-60°)	536.4	35.8			
FH (60°-80°)	117.3	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	94.6	6.3	B0/110		
BM (30°-60°)	536.4	35.8	B1/1000		
BH (60°-80°)	117.3	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°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	210.2	210.6	211.0	211.2	211.4	212.0	212.2	211.6	211.6	210.4	211.8
5°	209.2	209.6	210.0	209.8	209.8	209.8	209.6	208.8	208.6	207.3	208.8
7.5°	207.3	207.7	207.7	207.1	206.7	206.7	206.5	205.5	205.3	204.1	205.5
10°	205.9	206.1	205.9	204.7	203.9	203.9	203.7	203.3	203.5	202.6	203.9
12.5°	206.7	206.9	206.1	204.5	203.5	203.3	202.6	202.0	202.6	202.4	203.7
15°	209.4	209.6	208.1	206.1	205.3	205.3	203.7	202.0	202.8	203.0	204.5
17.5°	212.6	212.6	210.8	209.0	209.2	209.2	206.5	203.7	203.9	204.7	206.1
20°	216.5	216.5	214.7	214.3	215.7	215.9	212.6	208.1	207.1	207.7	209.4
22.5°	223.4	223.4	222.0	223.0	226.3	227.3	222.4	216.1	213.7	214.1	215.7
25°	234.2	234.2	233.8	236.3	241.0	243.2	236.7	228.3	224.3	223.6	225.5
27.5°	252.4	252.6	252.0	255.6	261.6	264.2	255.2	244.2	239.3	238.3	240.2
30°	275.8	275.8	276.0	281.1	288.9	292.3	280.5	267.7	262.0	258.7	261.2
32.5°	301.9	302.3	304.4	312.9	326.6	333.7	316.4	298.5	289.3	285.8	288.5
35°	344.9	341.1	338.6	344.9	364.7	374.1	351.9	330.9	323.9	323.5	330.3
37.5°	387.5	385.3	380.2	386.7	404.5	408.7	384.3	366.8	361.9	364.5	371.2
40°	421.4	417.3	410.6	416.7	439.9	444.2	414.1	396.7	394.9	400.8	410.0
42.5°	448.1	442.4	433.4	434.8	453.6	456.7	430.0	416.9	418.1	425.5	435.9
45°	460.1	455.6	447.7	447.1	458.9	459.1	438.1	431.4	434.6	440.3	448.5
47.5°	465.2	463.2	458.7	457.7	464.4	462.8	449.7	446.9	449.9	451.6	456.3
50°	477.9	477.9	478.5	479.3	486.2	484.6	475.4	472.2	468.3	462.6	464.0
52.5°	513.3	514.8	520.7	527.2	539.8	545.1	530.3	511.3	492.7	480.3	480.3
55°	577.3	578.8	585.7	596.7	620.0	632.6	597.9	556.1	530.7	513.7	516.0
57.5°	612.6	614.2	628.5	658.3	703.3	724.7	650.3	588.4	552.7	533.3	534.9
58°	610.4	611.4	627.5	662.4	712.5	735.5	654.0	587.3	549.8	530.0	532.1
60°	542.3	540.9	566.5	616.3	687.0	718.8	617.5	536.2	492.5	472.4	473.4
62.5°	354.5	355.3	377.6	429.5	484.6	514.6	431.4	370.8	335.8	323.5	320.5
65°	148.0	145.4	159.0	188.0	221.0	237.7	204.3	172.9	151.3	143.1	145.4
67.5°	38.1	37.1	37.9	47.5	58.1	68.7	57.7	44.0	38.3	38.7	38.7
70°	21.6	20.4	16.5	15.3	14.9	14.9	14.9	14.9	17.1	20.2	20.8
72.5°	16.3	15.3	12.0	10.4	9.2	8.6	9.0	10.4	12.4	15.1	15.5
75°	8.2	8.2	7.3	6.9	6.1	5.7	5.9	6.5	7.5	8.6	8.4
77.5°	1.6	1.8	2.0	2.4	2.0	2.0	2.0	2.4	2.4	2.7	2.4
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)