

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: P629605

Luminaire Tested: GWS-SA1C-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3700.5 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

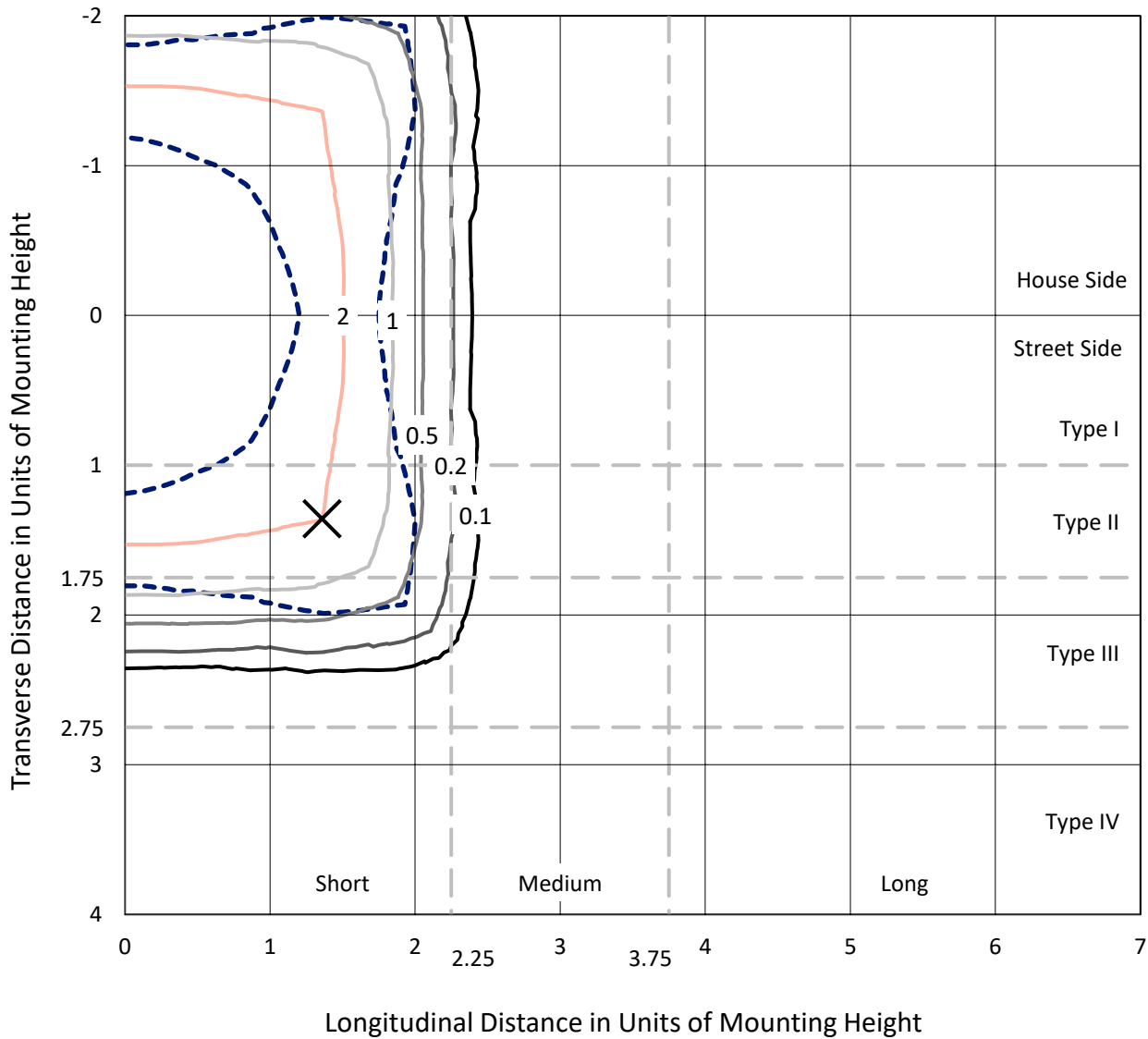
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

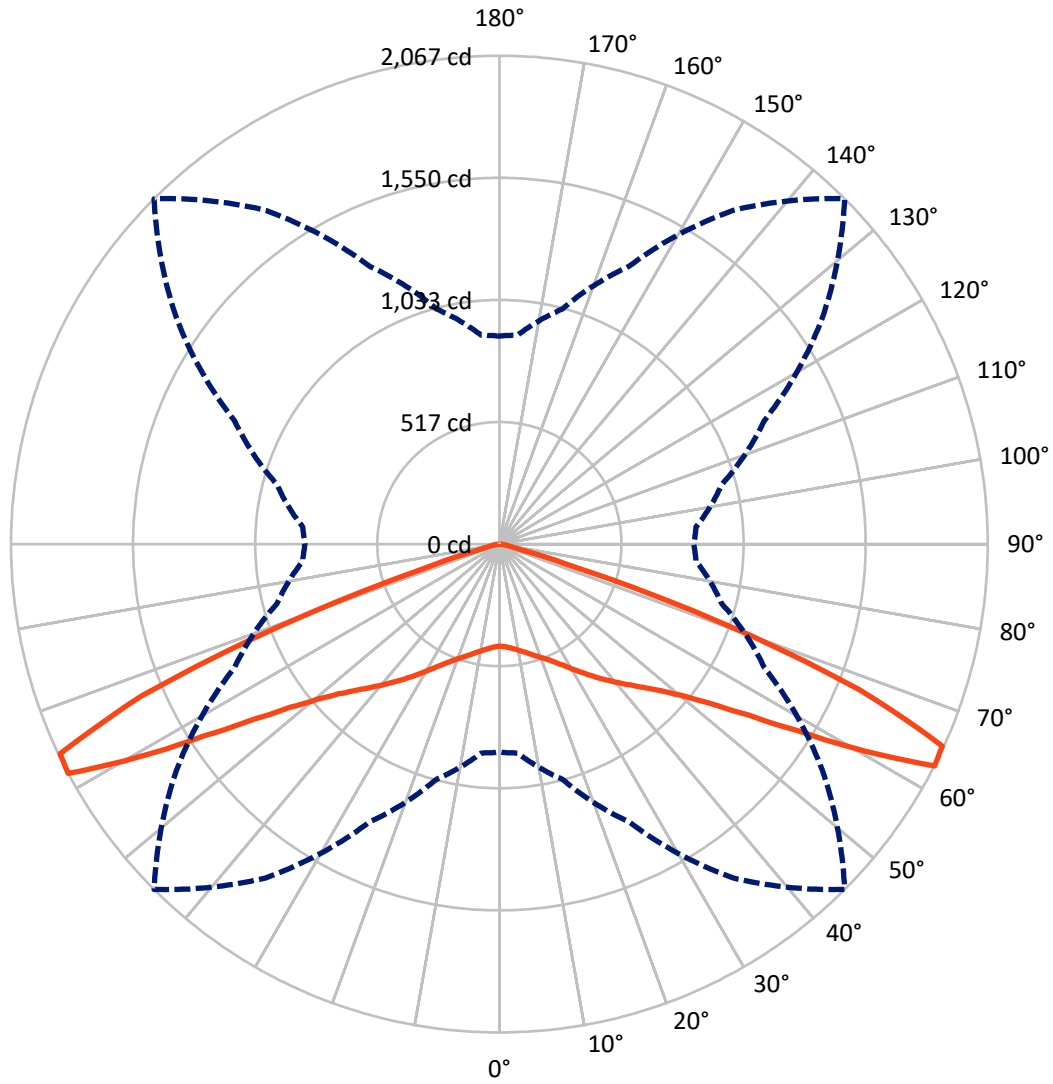
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.3	0.0	1850.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1850.3	0.0	1850.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3700.5	0.0	3700.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.1
10°-20°	136.6	3.7
20°-30°	258.4	7.0
30°-40°	435.0	11.8
40°-50°	694.9	18.8
50°-60°	1120.2	30.3
60°-70°	914.0	24.7
70°-80°	88.8	2.4
80°-90°	10.3	0.3
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°	3700.5	100.0
0°-180°	3700.5	100.0

Coefficient of Utilization



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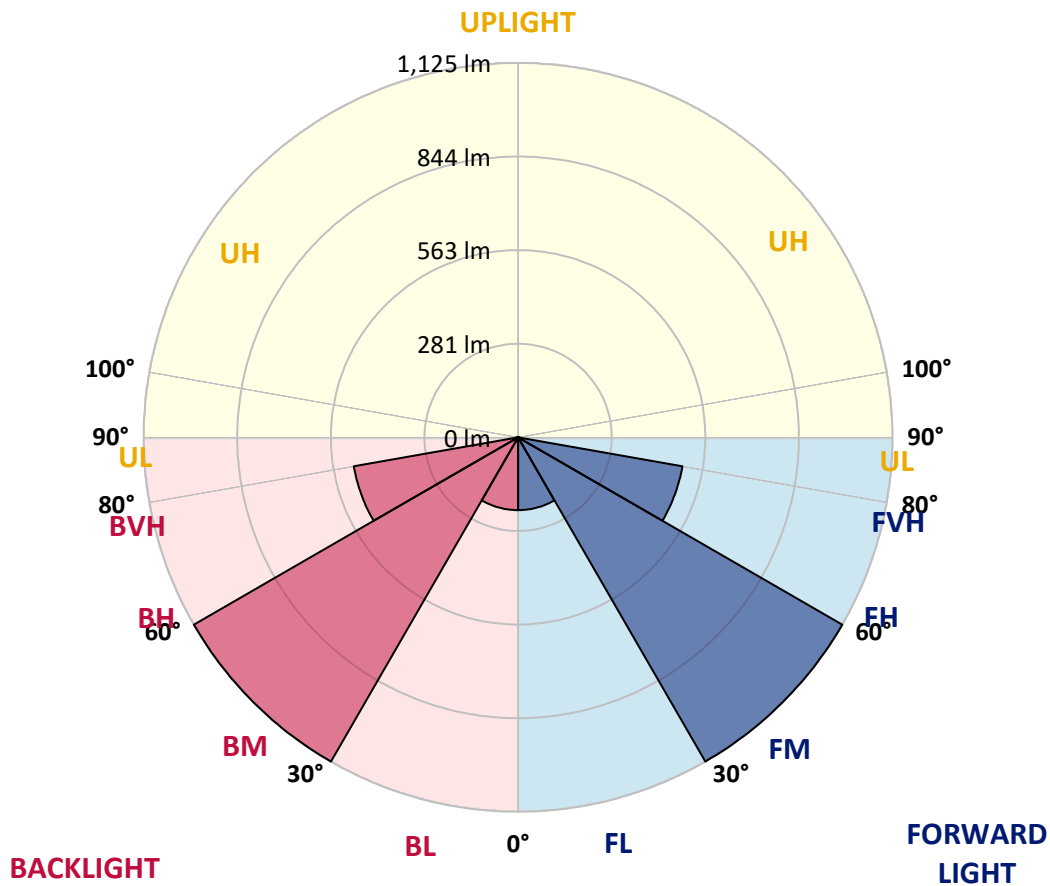
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.7	5.9			
FM (30°-60°)	1125.0	30.4			
FH (60°-80°)	501.4	13.5			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	218.7	5.9	B1/500		
BM (30°-60°)	1125.0	30.4	B2/2500		
BH (60°-80°)	501.4	13.5	B2/1000		G0/660
BVH (80°-90°)	5.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7	431.7
2.5°	431.2	431.2	432.2	433.0	432.5	434.5	434.3	433.7	433.5	432.7	435.0
5°	437.0	437.0	437.8	438.6	437.3	439.8	438.8	438.3	438.1	437.0	439.1
7.5°	443.6	444.4	444.7	445.9	445.2	448.0	447.2	446.2	445.7	444.4	446.2
10°	451.0	451.5	451.8	454.0	454.3	457.6	456.8	455.6	454.6	453.3	455.8
12.5°	460.9	461.2	461.9	464.7	465.5	468.0	467.8	466.0	464.7	462.9	465.7
15°	473.6	473.8	475.1	477.9	479.2	482.2	481.2	478.4	476.6	474.6	476.9
17.5°	486.8	487.8	489.1	491.9	493.6	497.2	495.9	492.9	491.4	489.3	490.8
20°	503.8	504.0	504.8	507.9	509.1	513.2	513.4	510.4	509.6	507.6	509.9
22.5°	522.6	522.8	523.6	526.9	529.2	531.7	533.2	531.5	530.2	527.6	530.4
25°	543.4	545.9	546.7	550.7	553.3	554.8	556.6	555.8	554.0	551.0	552.3
27.5°	572.6	573.1	574.3	578.9	580.4	582.0	583.7	584.0	581.5	577.9	579.7
30°	605.8	605.6	608.4	611.9	613.2	614.4	617.0	618.5	615.2	611.4	613.2
32.5°	639.8	642.9	646.4	649.7	649.0	649.5	653.5	656.3	651.8	644.9	646.4
35°	678.2	680.2	684.8	689.6	688.6	687.8	690.3	693.1	686.8	677.9	680.2
37.5°	717.5	720.5	727.4	733.2	731.7	728.2	730.9	734.0	727.9	717.7	716.7
40°	761.4	766.2	776.1	780.9	776.9	770.0	774.9	782.2	776.1	764.4	761.7
42.5°	812.9	818.8	828.7	836.0	827.1	816.0	824.1	834.7	833.2	817.7	812.9
45°	876.6	880.4	892.6	896.2	883.0	867.5	882.2	898.5	894.6	877.9	871.5
47.5°	945.9	951.7	962.4	969.0	947.7	928.4	949.0	970.8	966.7	951.0	943.6
50°	1034.2	1041.8	1055.8	1061.4	1031.9	1009.9	1036.3	1063.9	1056.1	1035.0	1025.4
52.5°	1130.4	1136.5	1160.4	1171.5	1143.9	1120.0	1143.1	1170.3	1153.5	1125.6	1112.7
55°	1215.2	1221.3	1256.3	1293.4	1292.1	1275.6	1287.3	1287.8	1242.3	1196.2	1182.5
57.5°	1233.5	1239.6	1306.3	1403.3	1471.8	1490.8	1456.6	1384.5	1270.0	1189.1	1173.6
60°	1136.0	1142.9	1248.9	1426.1	1651.5	1778.6	1620.8	1382.4	1184.5	1074.8	1060.1
62.5°	880.2	887.5	1030.2	1296.2	1724.1	2066.7	1668.5	1237.0	974.3	835.5	822.6
65°	420.3	420.3	601.5	929.7	1579.4	2059.8	1530.4	915.2	586.5	450.5	439.3
67.5°	104.1	104.6	154.8	361.9	1074.3	1643.9	1091.8	439.3	206.6	146.2	142.4
70°	65.0	64.7	71.8	98.0	375.9	997.7	446.4	132.5	84.0	74.1	73.6
72.5°	50.5	50.5	54.1	62.7	98.5	339.8	130.2	73.6	60.9	54.8	54.8
75°	39.8	39.8	42.4	47.0	58.1	87.6	69.3	54.6	47.2	43.1	42.6
77.5°	29.7	30.2	32.2	35.3	39.6	49.2	43.9	41.1	36.8	33.8	32.7
80°	19.3	20.1	22.6	24.4	25.9	32.5	28.7	29.9	27.9	24.4	23.9
82.5°	10.4	10.7	13.7	14.2	14.7	17.8	18.3	19.0	19.8	15.5	14.5
85°	3.8	3.8	4.6	5.3	5.8	6.3	8.6	10.7	11.2	8.9	8.6
87.5°	0.8	0.8	0.8	0.5	0.5	0.5	1.5	2.8	4.6	3.6	3.6
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)