

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: P634556

Luminaire Tested: GWS-SA3C-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10416.9 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

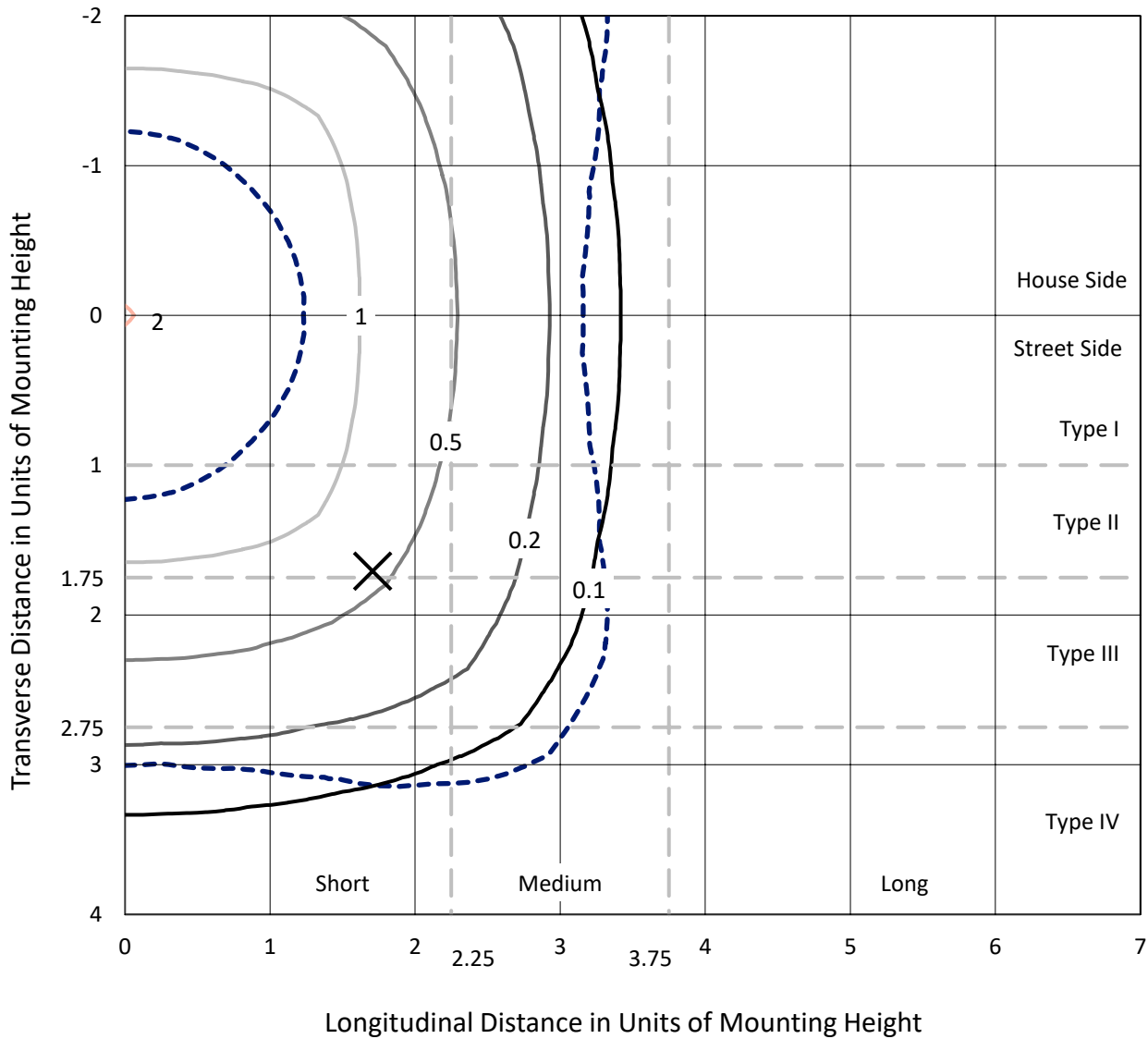
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

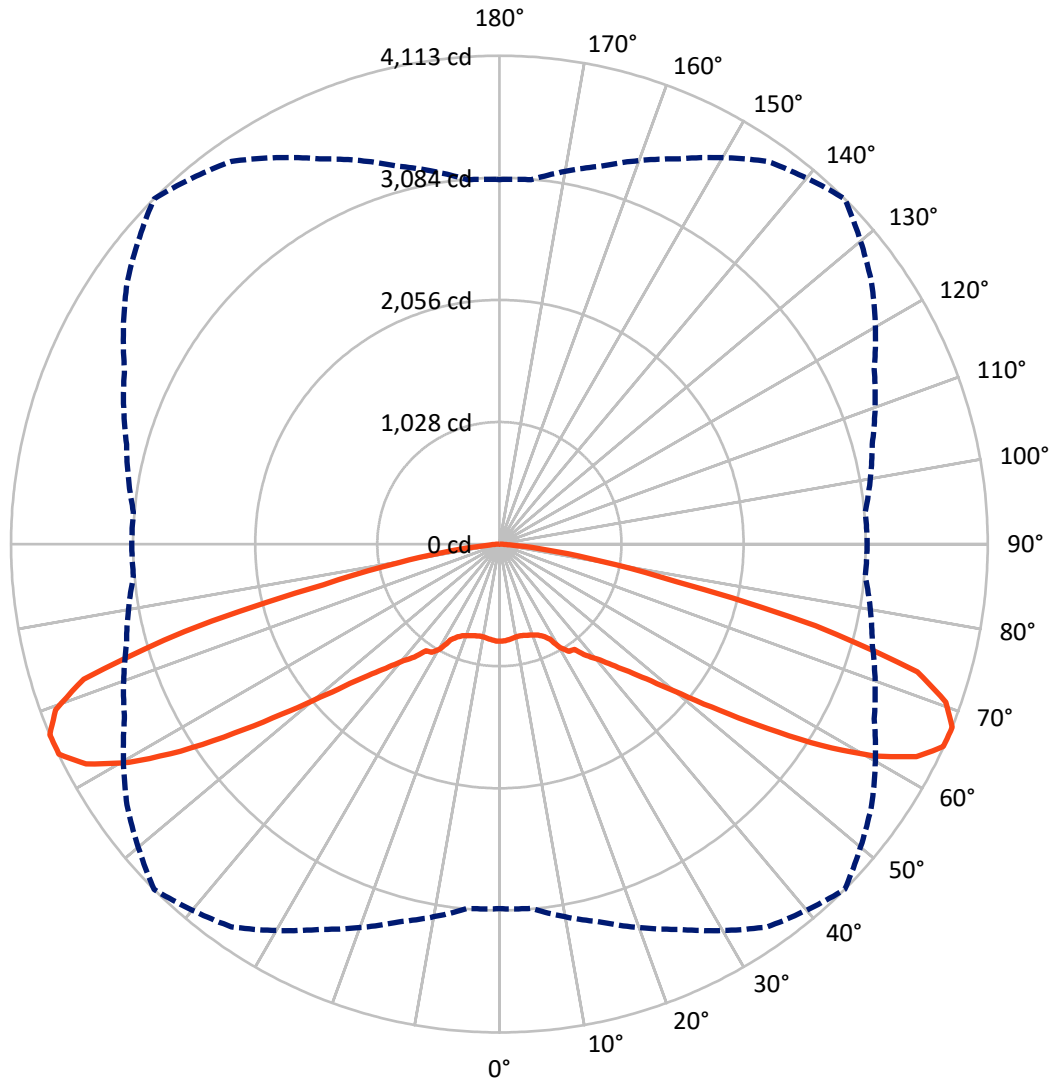
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5208.5	0.0	5208.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5208.5	0.0	5208.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10416.9	0.0	10416.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	0.7
10°-20°	227.6	2.2
20°-30°	408.3	3.9
30°-40°	689.8	6.6
40°-50°	1211.9	11.6
50°-60°	2337.8	22.4
60°-70°	3391.8	32.6
70°-80°	1940.6	18.6
80°-90°	132.5	1.3
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°	10416.9	100.0
0°-180°	10416.9	100.0

**Coefficient of Utilization**



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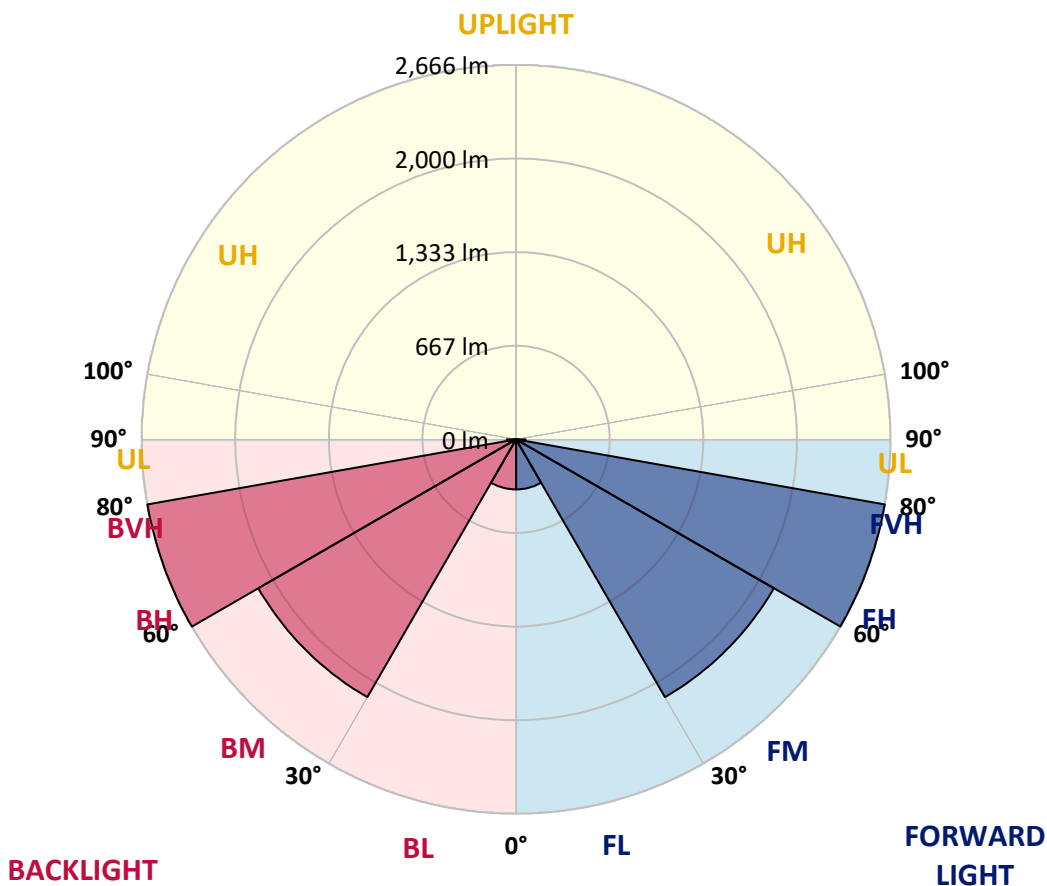
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.3	3.4			
FM (30°-60°)	2119.7	20.3			
FH (60°-80°)	2666.2	25.6			G2/5000
FVH (80°-90°)	66.2	0.6			G1/100
BL (0°-30°)	356.3	3.4	B1/500		
BM (30°-60°)	2119.7	20.3	B2/2500		
BH (60°-80°)	2666.2	25.6	B4/5000		G2/5000
BVH (80°-90°)	66.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9
2.5°	810.3	811.0	812.5	812.5	814.0	816.2	816.9	815.4	816.2	812.5	816.2
5°	808.1	808.8	809.5	808.1	808.1	808.8	808.8	807.3	808.1	804.4	808.1
7.5°	802.9	803.6	803.6	801.4	799.2	800.7	800.7	799.2	800.0	796.3	800.7
10°	798.5	798.5	797.7	793.3	791.1	793.3	794.1	794.8	797.7	794.8	800.0
12.5°	801.4	801.4	799.2	793.3	789.6	791.1	792.6	794.1	799.2	798.5	804.4
15°	809.5	810.3	804.4	797.7	795.5	797.7	796.3	795.5	802.2	804.4	811.0
17.5°	816.2	816.2	808.8	802.2	802.9	806.6	803.6	800.0	806.6	811.0	818.4
20°	822.1	821.3	813.2	808.8	811.7	816.9	814.7	809.5	814.0	819.1	825.7
22.5°	836.8	836.0	827.2	825.0	827.9	833.1	830.9	826.5	831.6	839.0	847.1
25°	878.8	877.3	864.0	856.7	855.2	858.9	858.1	856.7	864.8	873.6	883.2
27.5°	934.8	934.0	924.4	917.1	907.5	904.6	906.8	913.4	925.2	931.8	939.9
30°	962.7	962.7	961.3	973.1	993.7	1013.6	998.1	973.1	962.7	959.8	967.9
32.5°	999.6	1003.3	998.1	1011.4	1046.0	1075.4	1046.0	1005.5	998.1	998.1	1006.9
35°	1084.3	1085.8	1077.7	1075.4	1086.5	1090.2	1076.2	1061.5	1069.6	1071.0	1082.1
37.5°	1152.1	1152.1	1148.4	1154.3	1177.1	1191.1	1168.3	1141.7	1144.0	1145.4	1159.4
40°	1256.7	1259.6	1250.8	1250.0	1258.9	1271.4	1247.1	1230.1	1241.9	1245.6	1267.0
42.5°	1387.0	1387.0	1373.8	1370.1	1376.0	1389.2	1366.4	1355.4	1370.8	1373.8	1386.3
45°	1542.5	1546.1	1528.5	1521.8	1524.8	1529.2	1513.0	1507.8	1522.6	1529.2	1551.3
47.5°	1731.8	1735.4	1720.0	1719.2	1716.3	1719.2	1703.8	1700.8	1712.6	1707.5	1731.0
50°	1965.3	1971.9	1958.6	1977.1	1974.8	1983.7	1962.3	1946.9	1946.9	1932.9	1946.1
52.5°	2226.8	2240.0	2246.7	2277.6	2301.2	2323.3	2287.9	2263.6	2228.2	2199.5	2235.6
55°	2511.8	2508.1	2550.1	2617.9	2687.1	2739.4	2670.2	2593.6	2536.1	2476.5	2490.5
57.5°	2761.5	2774.1	2829.3	2953.1	3090.1	3200.6	3076.1	2928.8	2798.4	2712.9	2724.7
60°	2969.3	2979.6	3053.2	3231.5	3470.9	3623.4	3426.0	3182.9	2993.6	2875.7	2888.2
62.5°	3160.8	3170.4	3244.8	3441.4	3743.4	3942.3	3687.5	3355.2	3144.6	3026.0	3033.3
65°	3271.3	3277.2	3378.8	3585.8	3904.0	4109.5	3822.3	3479.7	3272.7	3151.9	3156.4
67.5°	3070.2	3079.8	3294.1	3579.9	3935.0	4112.5	3828.1	3483.4	3250.6	3093.0	3096.7
70°	2422.0	2413.9	2669.5	3160.8	3757.4	3988.7	3658.0	3221.9	2862.5	2642.2	2638.5
72.5°	1846.7	1848.9	1991.0	2327.7	3063.6	3680.8	3227.8	2594.3	2206.9	2039.7	2033.0
75°	1339.2	1359.8	1475.4	1722.2	2142.8	2751.2	2430.1	1922.5	1663.3	1563.1	1548.3
77.5°	603.3	629.8	791.1	1081.3	1432.7	1520.4	1526.3	1305.3	984.8	818.4	792.6
80°	176.0	188.6	242.3	414.7	667.4	862.6	685.0	576.0	358.7	281.4	268.1
82.5°	74.4	84.7	103.9	114.9	193.7	400.0	249.0	158.4	147.3	119.3	109.0
85°	31.7	33.9	43.5	46.4	62.6	85.4	78.8	71.5	68.5	53.0	48.6
87.5°	13.3	13.3	13.3	11.8	11.0	11.8	16.2	20.6	27.3	21.4	19.9
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)