

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: P629823

Luminaire Tested: GWS-SA1C-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

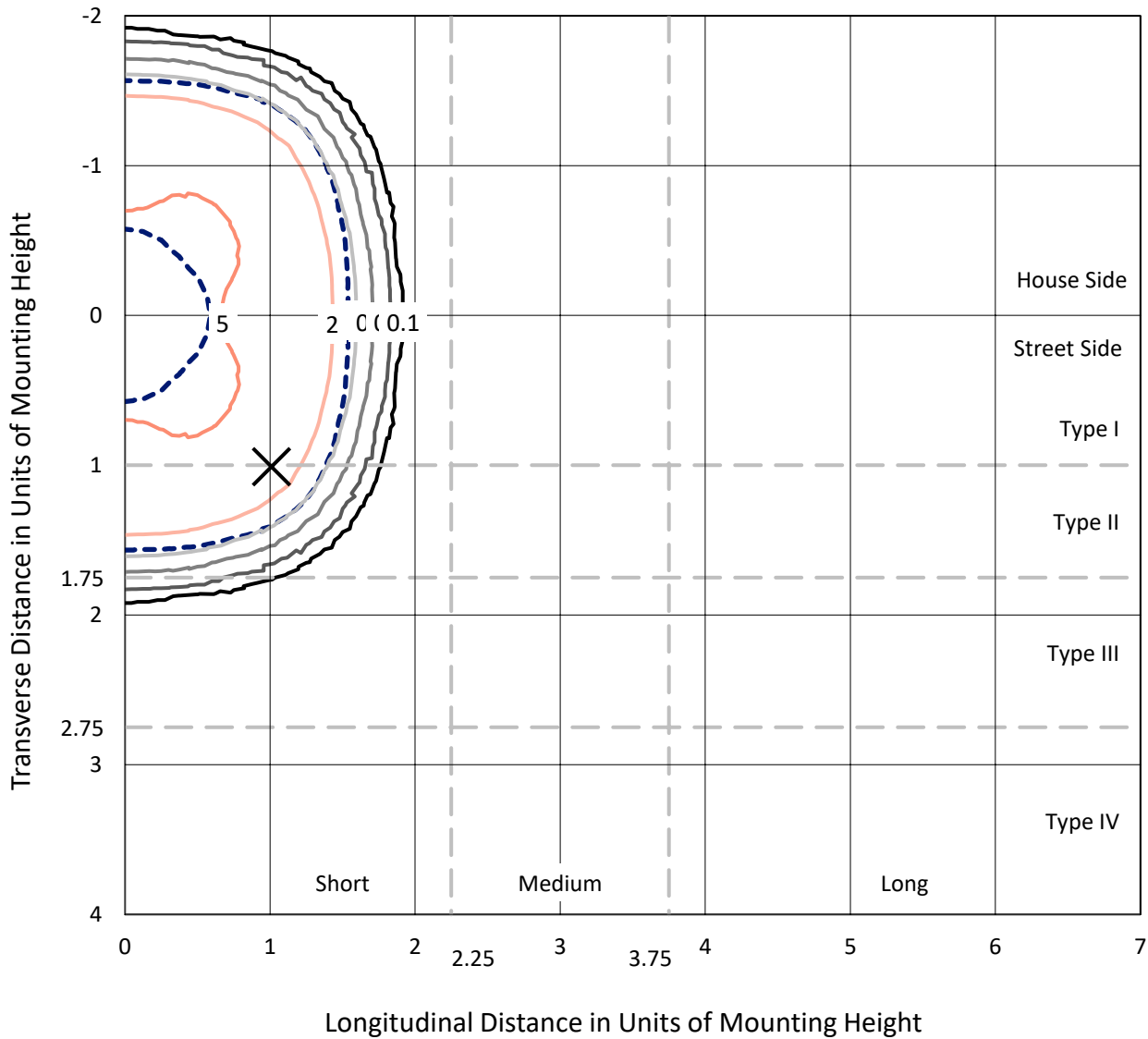
Lumens per Lamp: N/A  
Luminaire Lumens: 3382.3 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

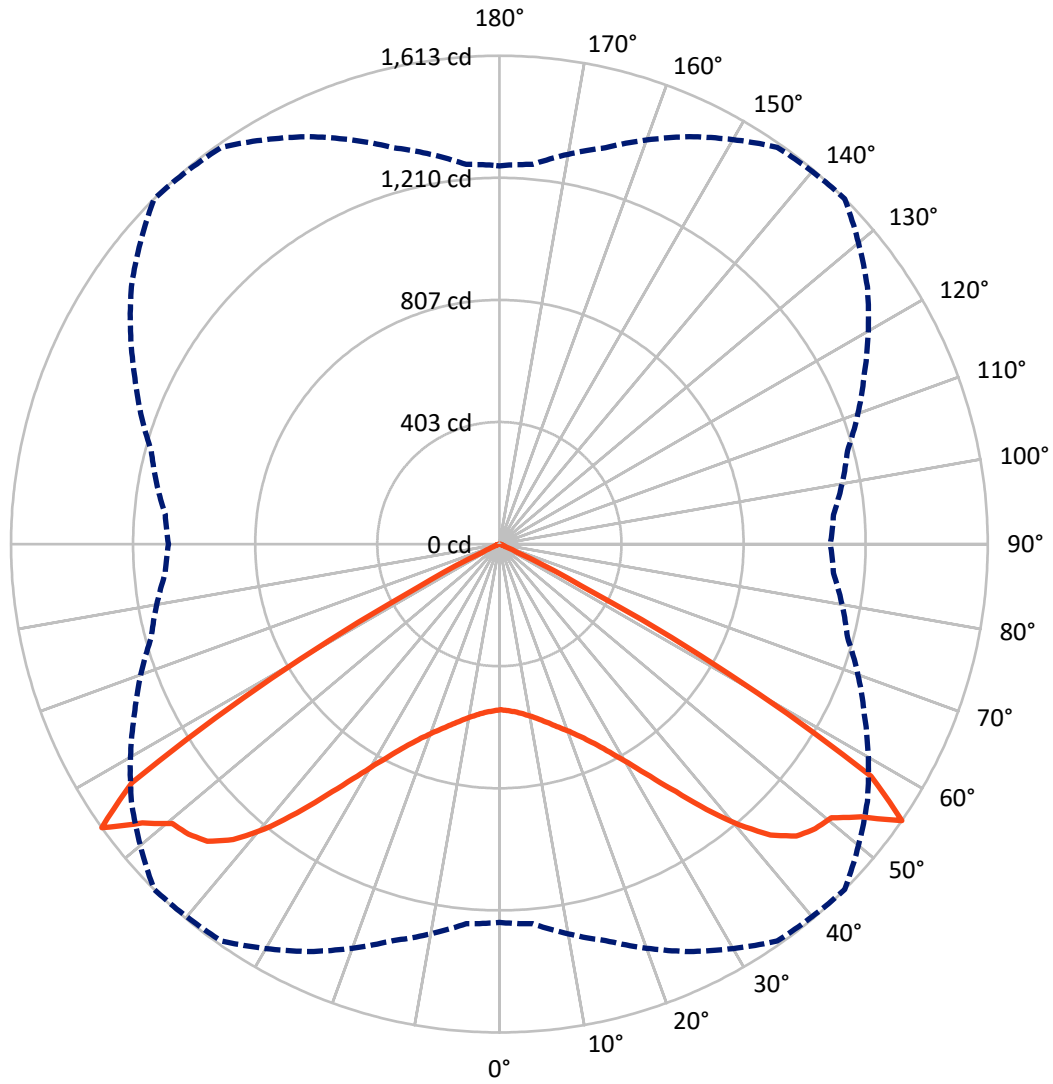
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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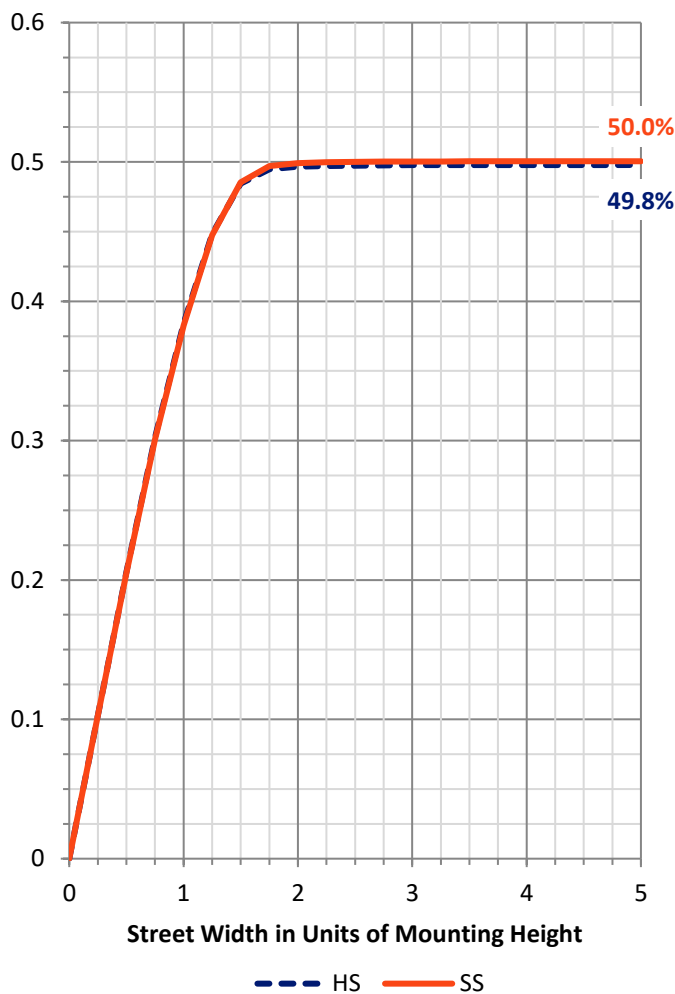
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1691.1	0.0	1691.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1691.1	0.0	1691.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3382.3	0.0	3382.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.6	1.6
10°-20°	173.7	5.1
20°-30°	336.4	9.9
30°-40°	602.6	17.8
40°-50°	1010.3	29.9
50°-60°	1081.5	32.0
60°-70°	118.8	3.5
70°-80°	5.2	0.2
80°-90°	0.2	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°	3382.3	100.0
0°-180°	3382.3	100.0

**Coefficient of Utilization**



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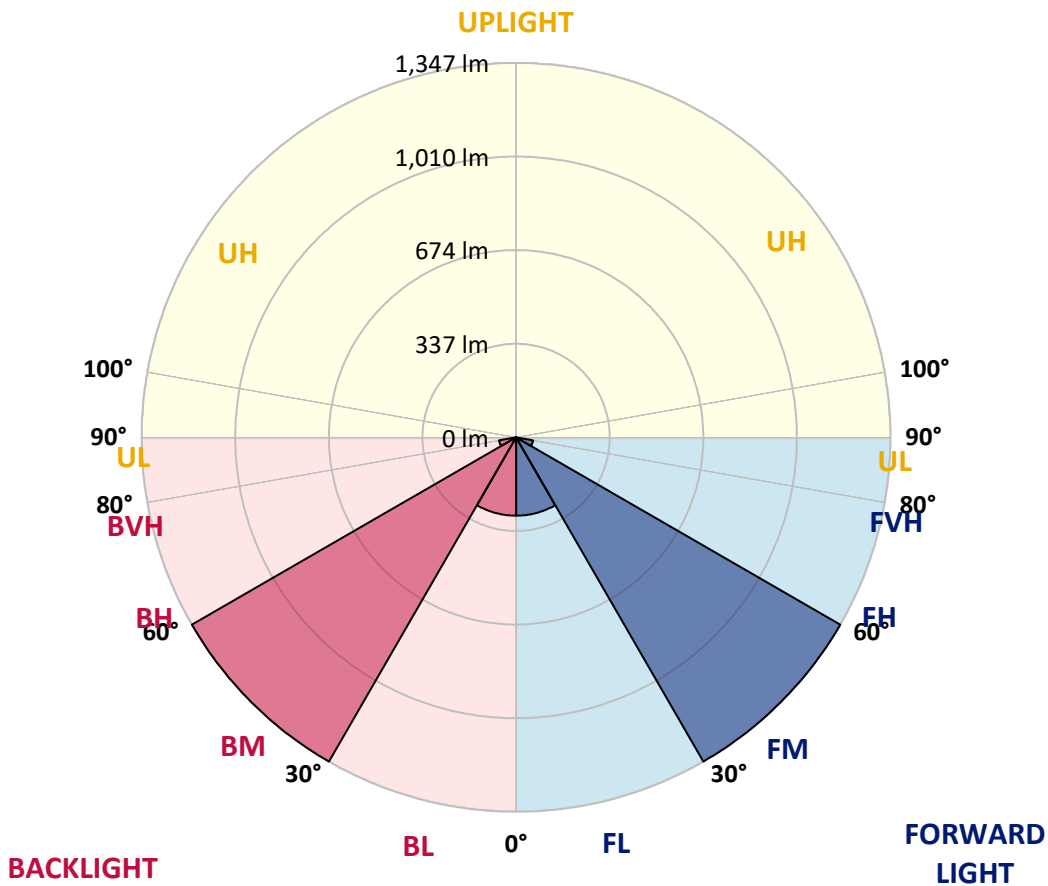
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.8	8.3			
FM (30°-60°)	1347.2	39.8			
FH (60°-80°)	62.0	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	281.8	8.3	B1/500		
BM (30°-60°)	1347.2	39.8	B2/2500		
BH (60°-80°)	62.0	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			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°	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
2.5°	545.8	545.8	547.2	548.2	548.2	551.0	550.0	548.9	548.9	547.5	550.3
5°	553.7	553.4	554.8	555.5	554.1	556.8	555.1	554.1	553.4	552.0	554.8
7.5°	562.4	562.7	563.0	564.4	563.7	566.5	565.1	563.0	562.4	560.3	563.0
10°	572.7	572.7	573.4	575.1	575.5	578.9	577.5	575.1	573.0	571.0	573.7
12.5°	585.8	586.1	587.2	589.6	591.0	594.7	592.7	587.9	584.8	582.3	585.4
15°	604.7	604.4	605.8	609.2	610.9	613.7	610.6	604.1	600.3	597.5	599.6
17.5°	625.4	625.4	626.1	629.6	632.0	636.1	632.3	624.4	620.9	617.1	619.2
20°	648.2	649.2	649.9	652.3	656.4	660.6	657.5	649.5	645.7	640.9	643.3
22.5°	678.1	677.1	677.4	681.6	687.4	691.6	689.2	679.9	673.3	669.5	670.9
25°	711.6	711.2	712.3	718.5	725.0	729.5	726.0	714.0	707.4	700.9	703.6
27.5°	752.6	752.9	753.6	761.2	771.5	778.1	769.5	757.4	748.4	739.8	741.9
30°	801.2	800.5	802.5	812.9	828.0	838.4	828.4	811.5	798.7	790.5	791.5
32.5°	852.8	853.5	859.0	875.6	895.6	913.8	893.5	871.1	854.6	839.1	841.1
35°	908.7	910.4	922.8	947.3	980.0	1004.5	976.2	939.3	915.9	895.9	896.6
37.5°	974.5	978.6	995.8	1032.4	1079.2	1112.0	1070.6	1021.7	991.4	966.6	964.8
40°	1061.0	1065.8	1089.2	1132.6	1189.5	1219.5	1171.6	1121.3	1083.7	1056.8	1052.7
42.5°	1160.2	1166.4	1191.9	1236.4	1293.2	1313.5	1266.7	1224.3	1190.5	1158.8	1157.5
45°	1272.2	1275.6	1296.3	1330.4	1371.4	1376.3	1341.1	1317.7	1283.6	1253.9	1251.5
47.5°	1377.3	1380.7	1394.9	1412.4	1422.1	1404.9	1398.7	1388.3	1344.2	1307.7	1300.1
50°	1457.2	1460.0	1477.6	1484.5	1457.6	1421.1	1433.1	1411.1	1363.2	1322.2	1310.4
52.5°	1451.7	1458.6	1503.8	1543.0	1526.2	1496.5	1464.1	1416.6	1342.1	1286.0	1271.5
55°	1249.8	1259.1	1355.9	1485.2	1600.6	1613.3	1483.8	1330.4	1190.5	1108.2	1093.4
57.5°	803.2	805.6	923.8	1105.1	1365.2	1447.2	1230.5	1003.1	829.1	738.4	732.2
60°	295.3	290.5	379.7	530.0	786.3	873.2	724.3	507.2	361.8	297.7	292.6
62.5°	71.0	71.7	88.9	133.4	246.7	305.3	241.2	134.7	85.8	72.0	71.3
65°	35.8	35.1	35.5	38.2	52.7	63.1	51.7	36.5	35.1	35.5	35.1
67.5°	23.1	22.7	23.4	23.8	23.4	22.1	21.7	22.4	22.4	22.7	22.1
70°	14.1	13.8	14.5	15.5	14.8	13.1	13.8	14.5	13.8	13.4	13.4
72.5°	7.6	7.6	8.3	9.0	8.3	7.6	7.6	7.9	7.6	7.6	7.6
75°	3.4	3.4	3.8	4.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	1.0	1.0	1.4	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.4
80°	0.3	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)