

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: P632297

Luminaire Tested: GWS-SA2C-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

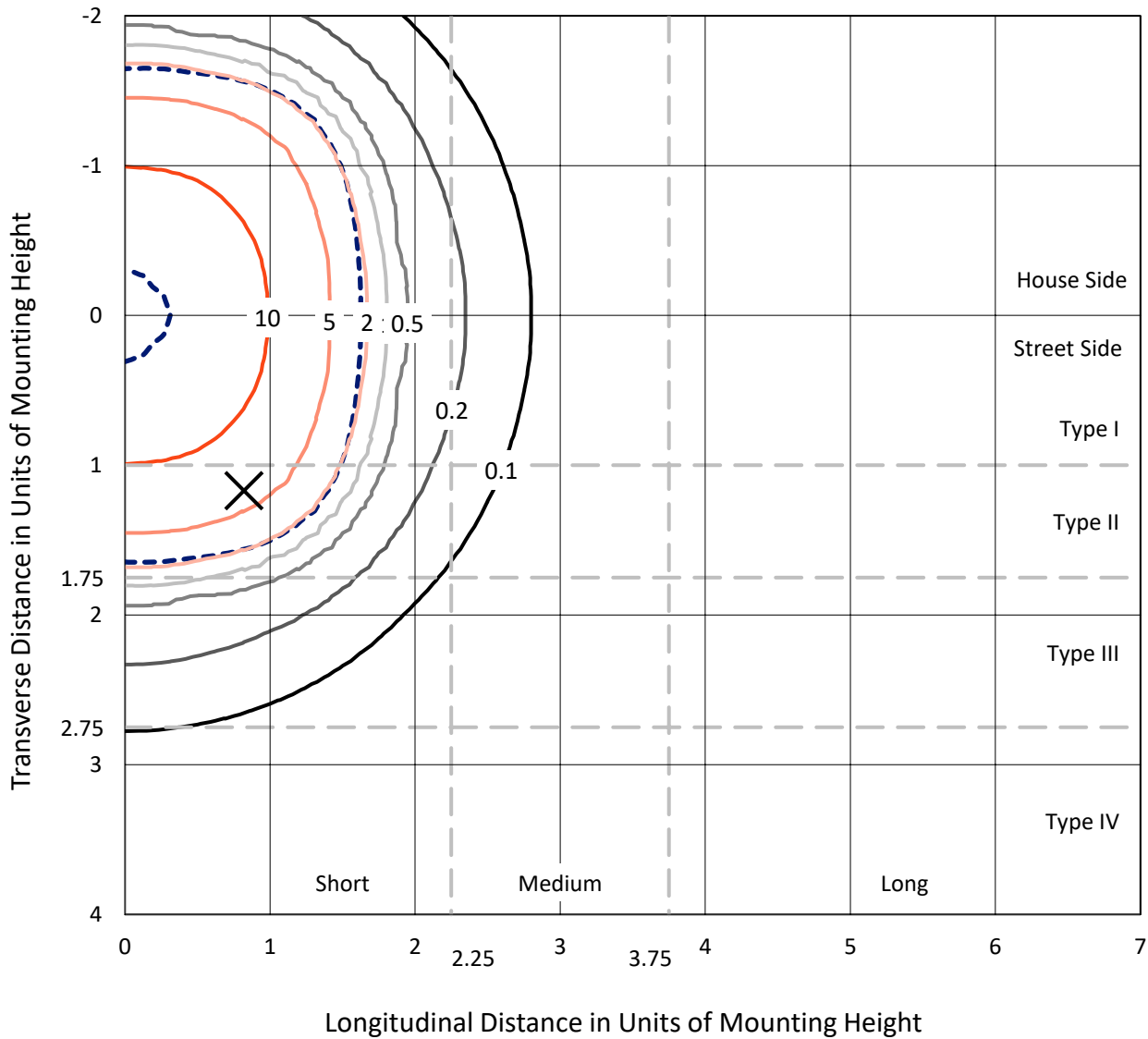
Lumens per Lamp: N/A  
Luminaire Lumens: 8390.4 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632297  
 CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

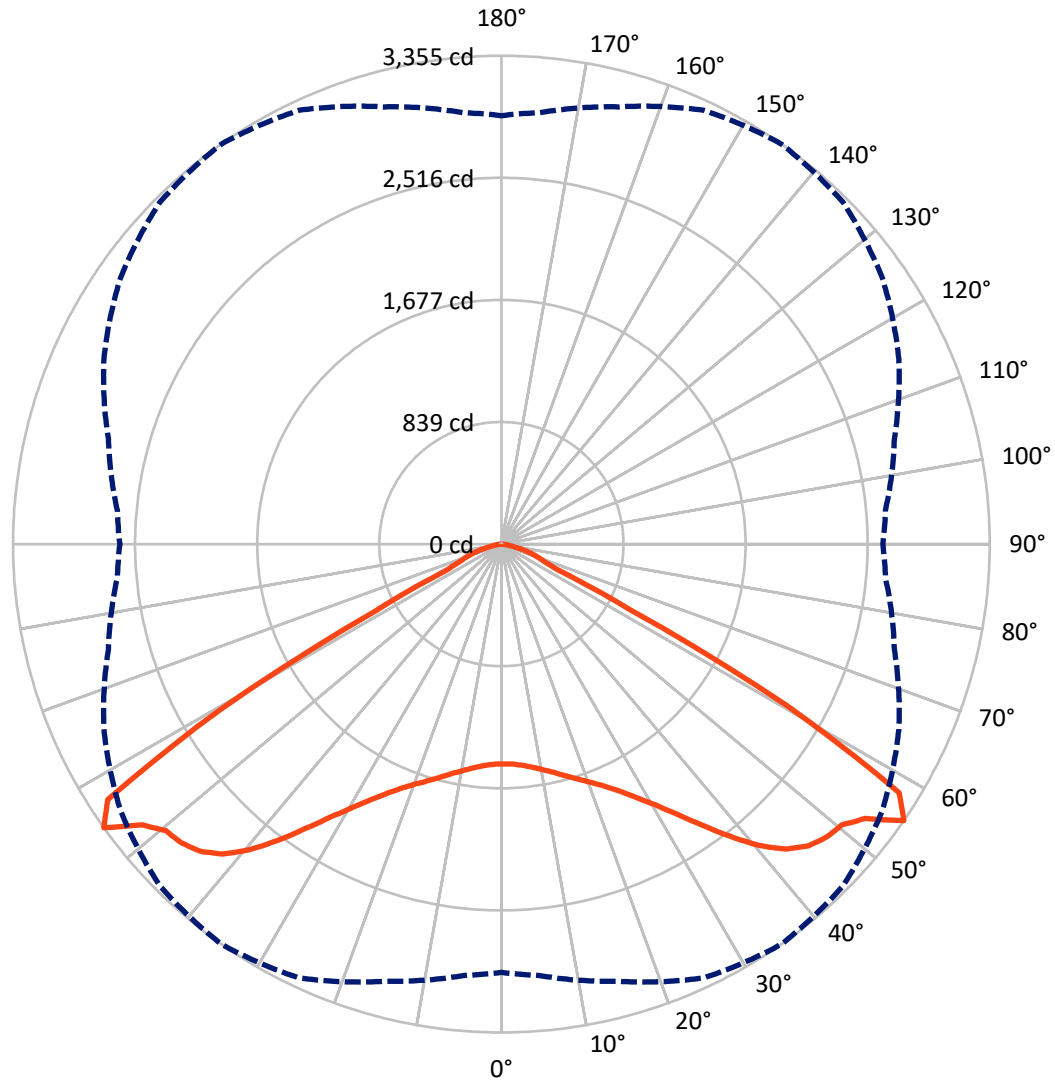
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P632297  
CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P632297

CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4195.2	0.0	4195.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4195.2	0.0	4195.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8390.4	0.0	8390.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.2	1.8
10°-20°	468.7	5.6
20°-30°	867.6	10.3
30°-40°	1451.2	17.3
40°-50°	2211.5	26.4
50°-60°	2477.3	29.5
60°-70°	586.1	7.0
70°-80°	158.0	1.9
80°-90°	22.7	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°	8390.4	100.0
0°-180°	8390.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632297

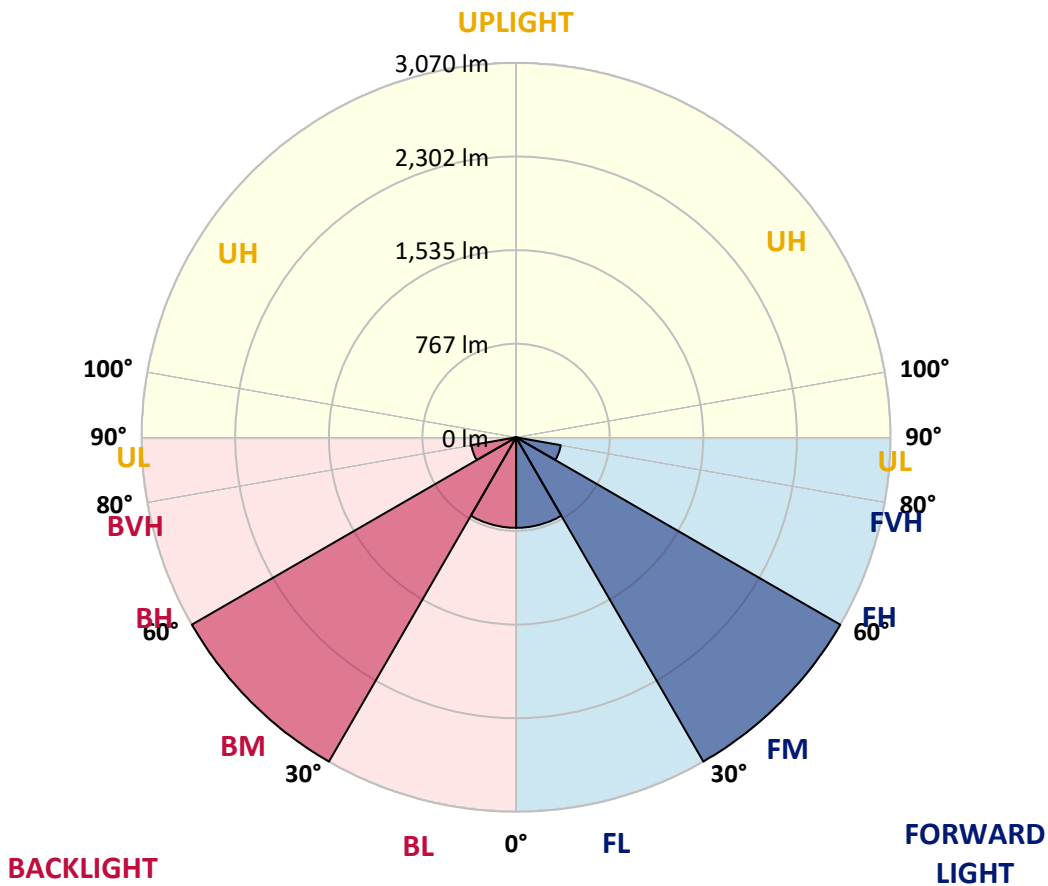
CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.8	8.8			
FM (30°-60°)	3070.0	36.6			
FH (60°-80°)	372.1	4.4			G0/660
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	741.8	8.8	B2/1000		
BM (30°-60°)	3070.0	36.6	B3/5000		
BH (60°-80°)	372.1	4.4	B1/500		G0/660
BVH (80°-90°)	11.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





REPORT NUMBER: P632297

CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5	1509.5
2.5°	1506.1	1506.1	1508.8	1512.1	1512.8	1519.4	1518.1	1515.4	1514.1	1511.4	1517.4
5°	1522.7	1523.4	1525.4	1527.4	1526.0	1531.4	1529.4	1526.0	1524.1	1520.7	1526.7
7.5°	1544.6	1544.6	1546.6	1549.3	1547.9	1555.9	1551.9	1547.3	1544.0	1540.0	1545.3
10°	1564.5	1565.9	1567.8	1573.2	1575.8	1584.4	1581.8	1575.1	1569.8	1565.2	1571.2
12.5°	1594.4	1595.7	1597.7	1605.0	1609.6	1618.3	1614.3	1605.0	1597.0	1590.4	1597.0
15°	1632.9	1631.5	1636.8	1646.1	1652.1	1660.1	1655.4	1639.5	1628.9	1620.3	1626.9
17.5°	1672.0	1671.3	1676.7	1688.6	1697.2	1707.8	1699.9	1681.3	1670.0	1659.4	1666.0
20°	1714.5	1716.5	1721.8	1733.1	1745.7	1759.6	1753.0	1733.1	1720.4	1708.5	1713.8
22.5°	1766.9	1767.6	1773.5	1788.1	1804.7	1818.0	1814.0	1789.5	1773.5	1760.9	1767.6
25°	1829.9	1829.3	1837.2	1854.5	1877.7	1891.0	1882.3	1855.1	1837.9	1823.3	1828.6
27.5°	1902.2	1901.6	1913.5	1936.1	1969.3	1987.8	1969.9	1936.1	1912.2	1891.6	1896.3
30°	1993.1	1991.2	2004.4	2034.9	2078.1	2109.3	2082.7	2035.6	2004.4	1982.5	1987.2
32.5°	2094.0	2096.7	2113.2	2154.4	2208.8	2249.3	2209.4	2157.0	2115.2	2083.4	2088.7
35°	2204.8	2204.8	2238.6	2289.7	2367.4	2421.1	2359.4	2283.8	2228.0	2184.2	2185.6
37.5°	2328.2	2329.5	2374.0	2444.3	2545.8	2608.9	2525.3	2431.7	2364.0	2316.9	2314.3
40°	2478.8	2482.8	2528.6	2606.9	2721.0	2778.7	2689.2	2597.6	2528.6	2472.9	2467.5
42.5°	2648.7	2650.0	2698.4	2768.8	2865.0	2899.5	2829.2	2754.2	2697.8	2647.4	2642.0
45°	2810.6	2807.3	2849.1	2901.5	2957.2	2960.5	2921.4	2890.9	2841.8	2798.6	2790.7
47.5°	2936.6	2934.0	2971.8	3000.3	3007.0	2974.5	2987.1	2991.7	2934.6	2876.3	2861.0
50°	3013.6	3018.9	3054.7	3070.7	3031.5	2978.4	3026.2	3014.3	2932.7	2856.4	2831.8
52.5°	3060.0	3068.0	3130.4	3170.9	3130.4	3080.0	3086.6	3016.3	2898.8	2798.0	2766.1
55°	2942.6	2974.5	3109.1	3288.3	3354.6	3319.5	3193.4	3012.3	2794.6	2648.0	2620.8
57.5°	2180.9	2231.3	2431.1	2819.2	3222.6	3350.7	2982.4	2525.3	2195.5	2007.1	1991.2
60°	1113.3	1169.7	1329.6	1728.4	2247.3	2427.7	2077.4	1616.9	1285.2	1132.6	1115.3
62.5°	454.5	463.8	516.2	670.1	993.3	1145.9	1006.5	706.6	530.8	489.0	489.7
65°	357.6	359.6	357.0	366.3	416.0	461.8	426.6	374.9	365.6	370.2	366.9
67.5°	311.8	312.5	310.5	310.5	312.5	310.5	314.5	316.5	317.8	323.1	319.8
70°	260.8	261.4	261.4	262.7	262.1	258.8	264.7	267.4	268.1	271.4	269.4
72.5°	201.7	203.7	205.0	205.7	205.0	203.0	206.3	211.0	210.3	213.6	210.3
75°	136.7	139.3	140.7	143.3	142.7	142.7	146.6	148.6	146.6	149.3	146.6
77.5°	77.6	79.6	83.6	86.3	88.9	90.9	93.6	94.9	94.2	95.5	94.2
80°	45.1	45.8	49.1	50.4	53.7	57.1	59.7	61.0	61.7	62.4	61.7
82.5°	25.9	26.5	27.9	29.2	31.8	34.5	37.2	39.1	39.1	39.8	39.1
85°	12.6	12.6	13.3	13.9	15.3	17.3	19.2	21.2	21.9	21.9	21.9
87.5°	2.0	2.0	2.7	2.7	3.3	4.0	5.3	6.6	7.3	7.3	7.3
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)