

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: P641981

Luminaire Tested: GWS-SA6C-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641981  
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-SA6C-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

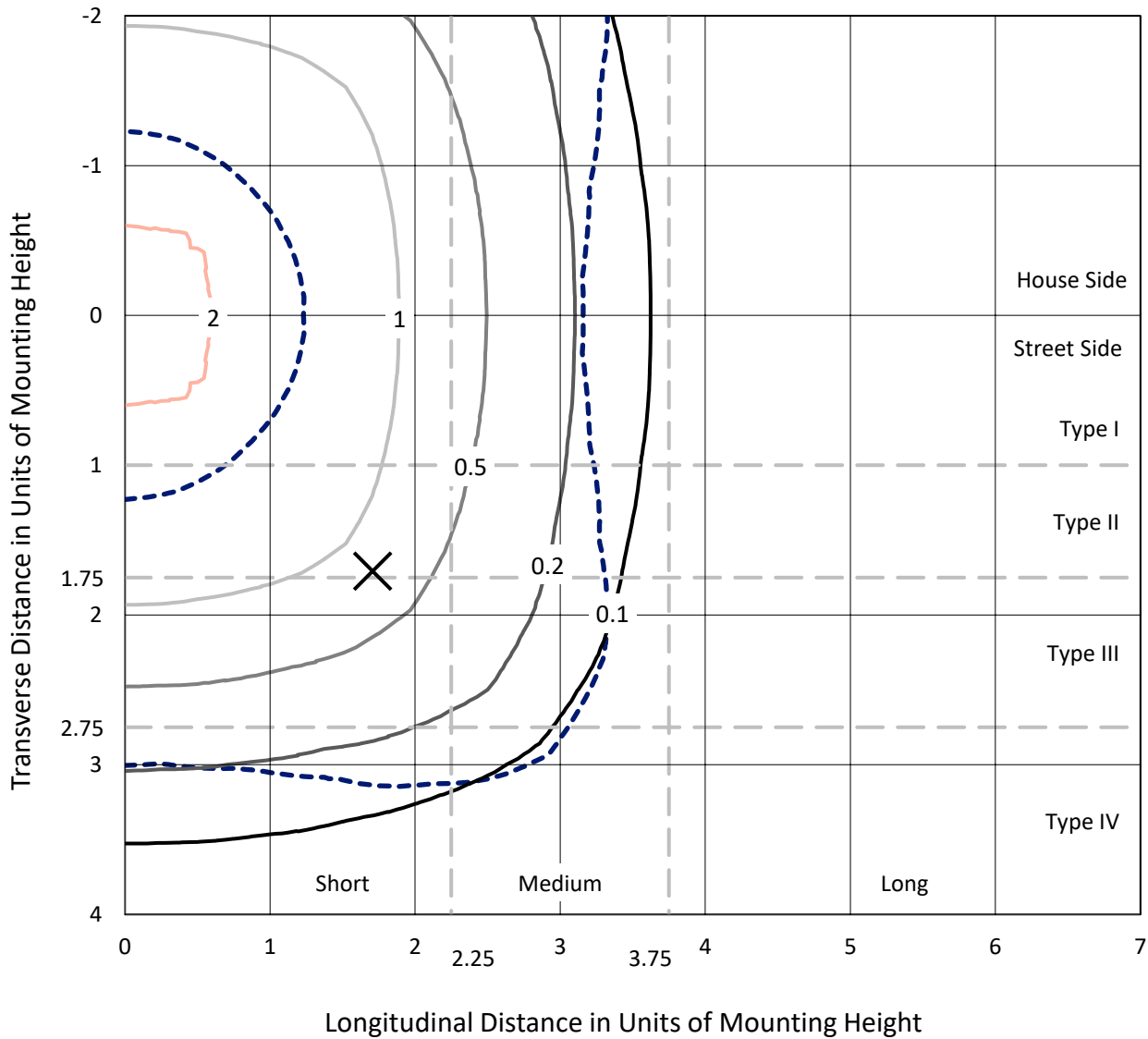
Lumens per Lamp: N/A  
Luminaire Lumens: 21204 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

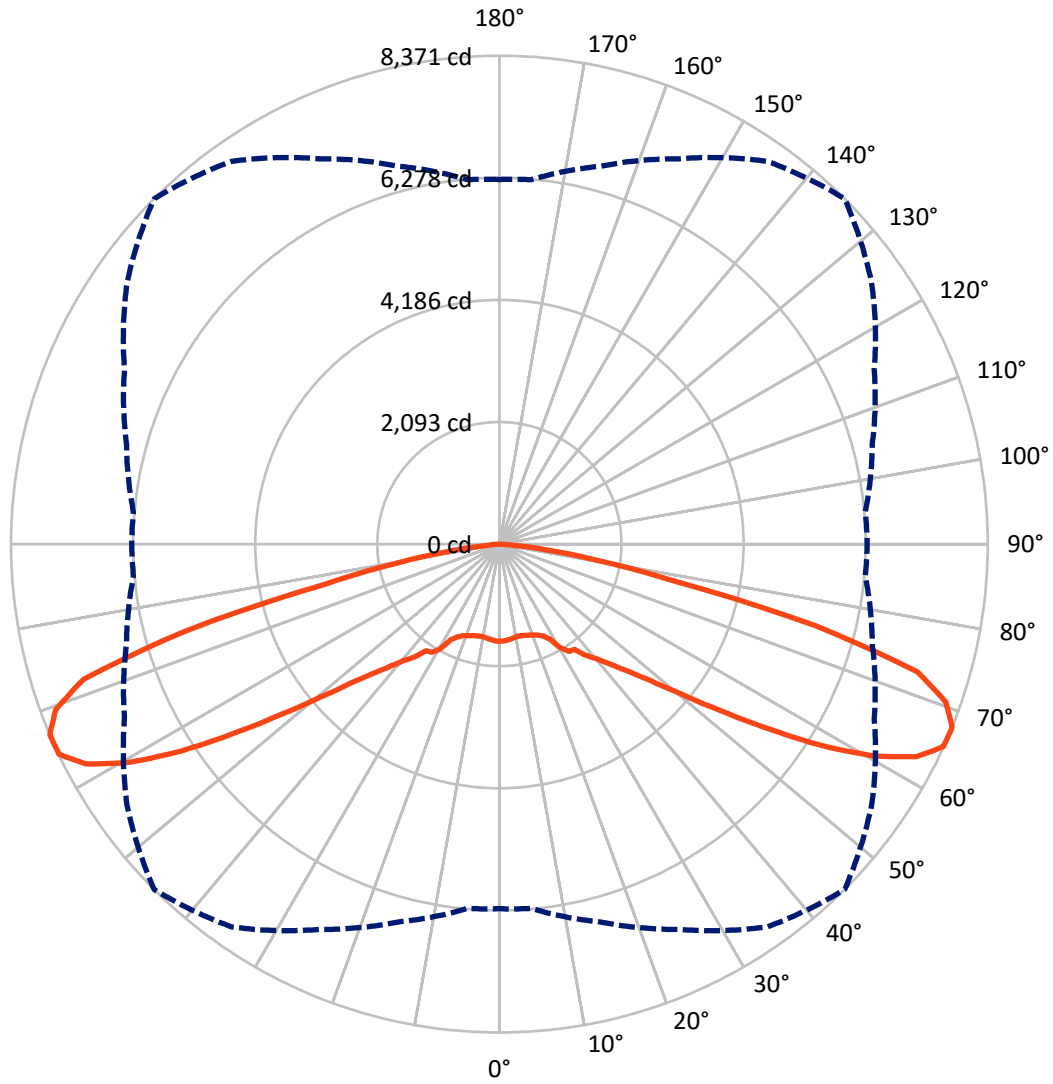
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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    | 10602.0  | 0.0    | 10602.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10602.0  | 0.0    | 10602.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21204.0  | 0.0    | 21204.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 156.1   | 0.7       |
| 10°-20°   | 463.3   | 2.2       |
| 20°-30°   | 831.1   | 3.9       |
| 30°-40°   | 1404.0  | 6.6       |
| 40°-50°   | 2466.8  | 11.6      |
| 50°-60°   | 4758.6  | 22.4      |
| 60°-70°   | 6904.1  | 32.6      |
| 70°-80°   | 3950.2  | 18.6      |
| 80°-90°   | 269.6   | 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°    | 21204.0 | 100.0     |
| 0°-180°   | 21204.0 | 100.0     |

**Coefficient of Utilization**



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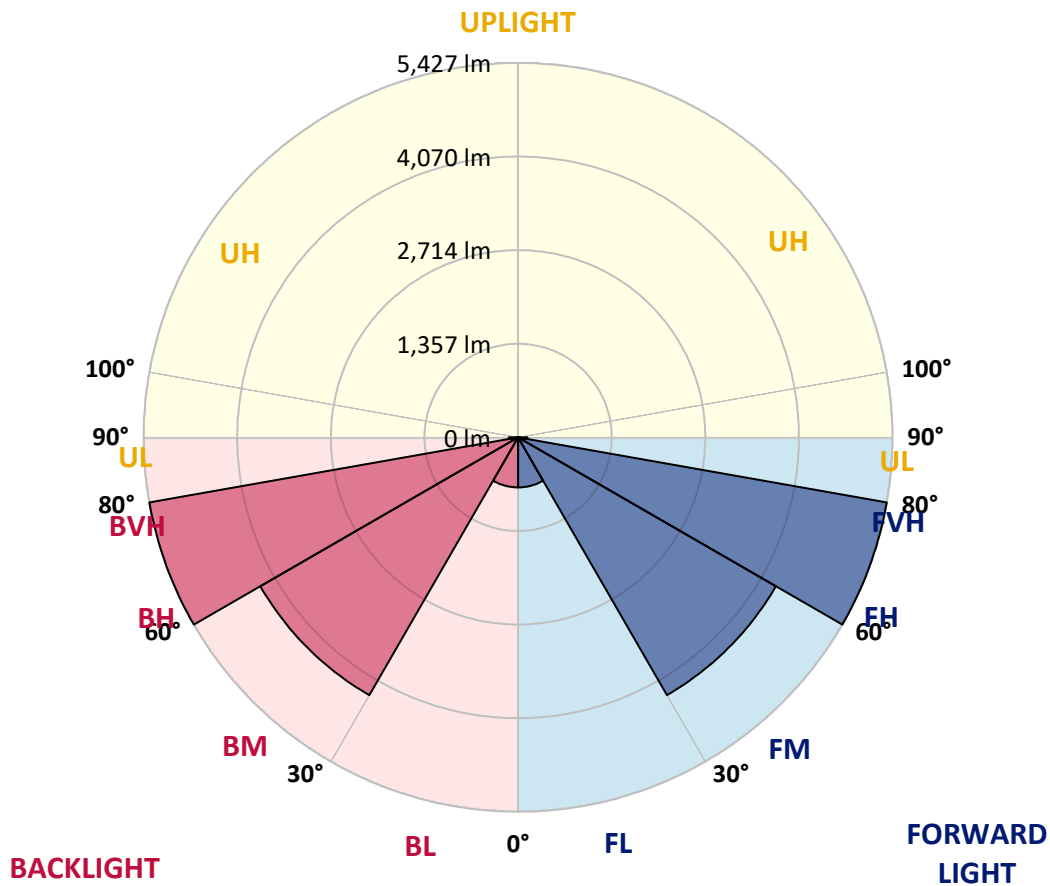
CATALOG NUMBER: GWS-SA6C-722-U-5WQ-W

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 725.3  | 3.4       |                         |      |         |
| FM (30°-60°)   | 4314.7 | 20.3      |                         |      |         |
| FH (60°-80°)   | 5427.2 | 25.6      |                         |      | G3/7500 |
| FVH (80°-90°)  | 134.8  | 0.6       |                         |      | G2/225  |
| BL (0°-30°)    | 725.3  | 3.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 4314.7 | 20.3      | B3/5000                 |      |         |
| BH (60°-80°)   | 5427.2 | 25.6      | B5                      |      | G3/7500 |
| BVH (80°-90°)  | 134.8  | 0.6       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 | 1662.8 |
| 2.5°  | 1649.3 | 1650.8 | 1653.8 | 1653.8 | 1656.8 | 1661.3 | 1662.8 | 1659.8 | 1661.3 | 1653.8 | 1661.3 |
| 5°    | 1644.8 | 1646.3 | 1647.8 | 1644.8 | 1644.8 | 1646.3 | 1646.3 | 1643.3 | 1644.8 | 1637.3 | 1644.8 |
| 7.5°  | 1634.3 | 1635.8 | 1635.8 | 1631.3 | 1626.8 | 1629.8 | 1629.8 | 1626.8 | 1628.3 | 1620.8 | 1629.8 |
| 10°   | 1625.3 | 1625.3 | 1623.8 | 1614.8 | 1610.3 | 1614.8 | 1616.3 | 1617.8 | 1623.8 | 1617.8 | 1628.3 |
| 12.5° | 1631.3 | 1631.3 | 1626.8 | 1614.8 | 1607.3 | 1610.3 | 1613.3 | 1616.3 | 1626.8 | 1625.3 | 1637.3 |
| 15°   | 1647.8 | 1649.3 | 1637.3 | 1623.8 | 1619.3 | 1623.8 | 1620.8 | 1619.3 | 1632.8 | 1637.3 | 1650.8 |
| 17.5° | 1661.3 | 1661.3 | 1646.3 | 1632.8 | 1634.3 | 1641.8 | 1635.8 | 1628.3 | 1641.8 | 1650.8 | 1665.8 |
| 20°   | 1673.3 | 1671.8 | 1655.3 | 1646.3 | 1652.3 | 1662.8 | 1658.3 | 1647.8 | 1656.8 | 1667.3 | 1680.8 |
| 22.5° | 1703.3 | 1701.8 | 1683.8 | 1679.3 | 1685.3 | 1695.8 | 1691.3 | 1682.3 | 1692.8 | 1707.8 | 1724.3 |
| 25°   | 1788.8 | 1785.8 | 1758.8 | 1743.8 | 1740.8 | 1748.3 | 1746.8 | 1743.8 | 1760.3 | 1778.3 | 1797.8 |
| 27.5° | 1902.7 | 1901.2 | 1881.7 | 1866.7 | 1847.3 | 1841.3 | 1845.8 | 1859.2 | 1883.2 | 1896.7 | 1913.2 |
| 30°   | 1959.7 | 1959.7 | 1956.7 | 1980.7 | 2022.7 | 2063.2 | 2031.7 | 1980.7 | 1959.7 | 1953.7 | 1970.2 |
| 32.5° | 2034.7 | 2042.2 | 2031.7 | 2058.7 | 2129.1 | 2189.1 | 2129.1 | 2046.7 | 2031.7 | 2031.7 | 2049.7 |
| 35°   | 2207.1 | 2210.1 | 2193.6 | 2189.1 | 2211.6 | 2219.1 | 2190.6 | 2160.6 | 2177.1 | 2180.1 | 2202.6 |
| 37.5° | 2345.1 | 2345.1 | 2337.6 | 2349.5 | 2396.0 | 2424.5 | 2378.0 | 2324.1 | 2328.6 | 2331.6 | 2360.0 |
| 40°   | 2558.0 | 2564.0 | 2546.0 | 2544.5 | 2562.5 | 2588.0 | 2538.5 | 2504.0 | 2528.0 | 2535.5 | 2579.0 |
| 42.5° | 2823.4 | 2823.4 | 2796.4 | 2788.9 | 2800.9 | 2827.9 | 2781.4 | 2758.9 | 2790.4 | 2796.4 | 2821.9 |
| 45°   | 3139.7 | 3147.2 | 3111.2 | 3097.7 | 3103.7 | 3112.7 | 3079.8 | 3069.3 | 3099.2 | 3112.7 | 3157.7 |
| 47.5° | 3525.1 | 3532.6 | 3501.1 | 3499.6 | 3493.6 | 3499.6 | 3468.1 | 3462.1 | 3486.1 | 3475.6 | 3523.6 |
| 50°   | 4000.4 | 4013.9 | 3986.9 | 4024.4 | 4019.9 | 4037.9 | 3994.4 | 3962.9 | 3962.9 | 3934.4 | 3961.4 |
| 52.5° | 4532.7 | 4559.7 | 4573.1 | 4636.1 | 4684.1 | 4729.1 | 4657.1 | 4607.6 | 4535.7 | 4477.2 | 4550.7 |
| 55°   | 5112.9 | 5105.4 | 5190.9 | 5328.8 | 5469.8 | 5576.2 | 5435.3 | 5279.4 | 5162.4 | 5041.0 | 5069.4 |
| 57.5° | 5621.2 | 5646.7 | 5759.2 | 6011.1 | 6290.0 | 6514.9 | 6261.5 | 5961.6 | 5696.2 | 5522.3 | 5546.3 |
| 60°   | 6044.1 | 6065.0 | 6215.0 | 6577.8 | 7065.1 | 7375.5 | 6973.7 | 6478.9 | 6093.5 | 5853.6 | 5879.1 |
| 62.5° | 6433.9 | 6453.4 | 6604.8 | 7005.2 | 7619.9 | 8024.7 | 7506.0 | 6829.7 | 6400.9 | 6159.5 | 6174.5 |
| 65°   | 6658.8 | 6670.8 | 6877.7 | 7299.0 | 7946.8 | 8365.1 | 7780.3 | 7083.1 | 6661.8 | 6415.9 | 6424.9 |
| 67.5° | 6249.5 | 6269.0 | 6705.3 | 7287.0 | 8009.8 | 8371.1 | 7792.3 | 7090.6 | 6616.8 | 6295.9 | 6303.4 |
| 70°   | 4930.0 | 4913.5 | 5433.8 | 6433.9 | 7648.4 | 8119.2 | 7446.0 | 6558.3 | 5826.6 | 5378.3 | 5370.8 |
| 72.5° | 3759.0 | 3763.5 | 4052.9 | 4738.1 | 6236.0 | 7492.5 | 6570.3 | 5280.9 | 4492.2 | 4151.8 | 4138.3 |
| 75°   | 2725.9 | 2767.9 | 3003.3 | 3505.6 | 4361.7 | 5600.2 | 4946.5 | 3913.4 | 3385.6 | 3181.7 | 3151.7 |
| 77.5° | 1228.0 | 1282.0 | 1610.3 | 2201.1 | 2916.3 | 3094.7 | 3106.7 | 2656.9 | 2004.7 | 1665.8 | 1613.3 |
| 80°   | 358.4  | 383.8  | 493.3  | 844.2  | 1358.4 | 1755.8 | 1394.4 | 1172.5 | 730.2  | 572.8  | 545.8  |
| 82.5° | 151.4  | 172.4  | 211.4  | 233.9  | 394.3  | 814.2  | 506.8  | 322.4  | 299.9  | 242.9  | 221.9  |
| 85°   | 64.5   | 69.0   | 88.5   | 94.5   | 127.4  | 173.9  | 160.4  | 145.4  | 139.4  | 108.0  | 99.0   |
| 87.5° | 27.0   | 27.0   | 27.0   | 24.0   | 22.5   | 24.0   | 33.0   | 42.0   | 55.5   | 43.5   | 40.5   |
| 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)