

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: P634387

Luminaire Tested: GWS-SA3B-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634387  
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-SA3B-760-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

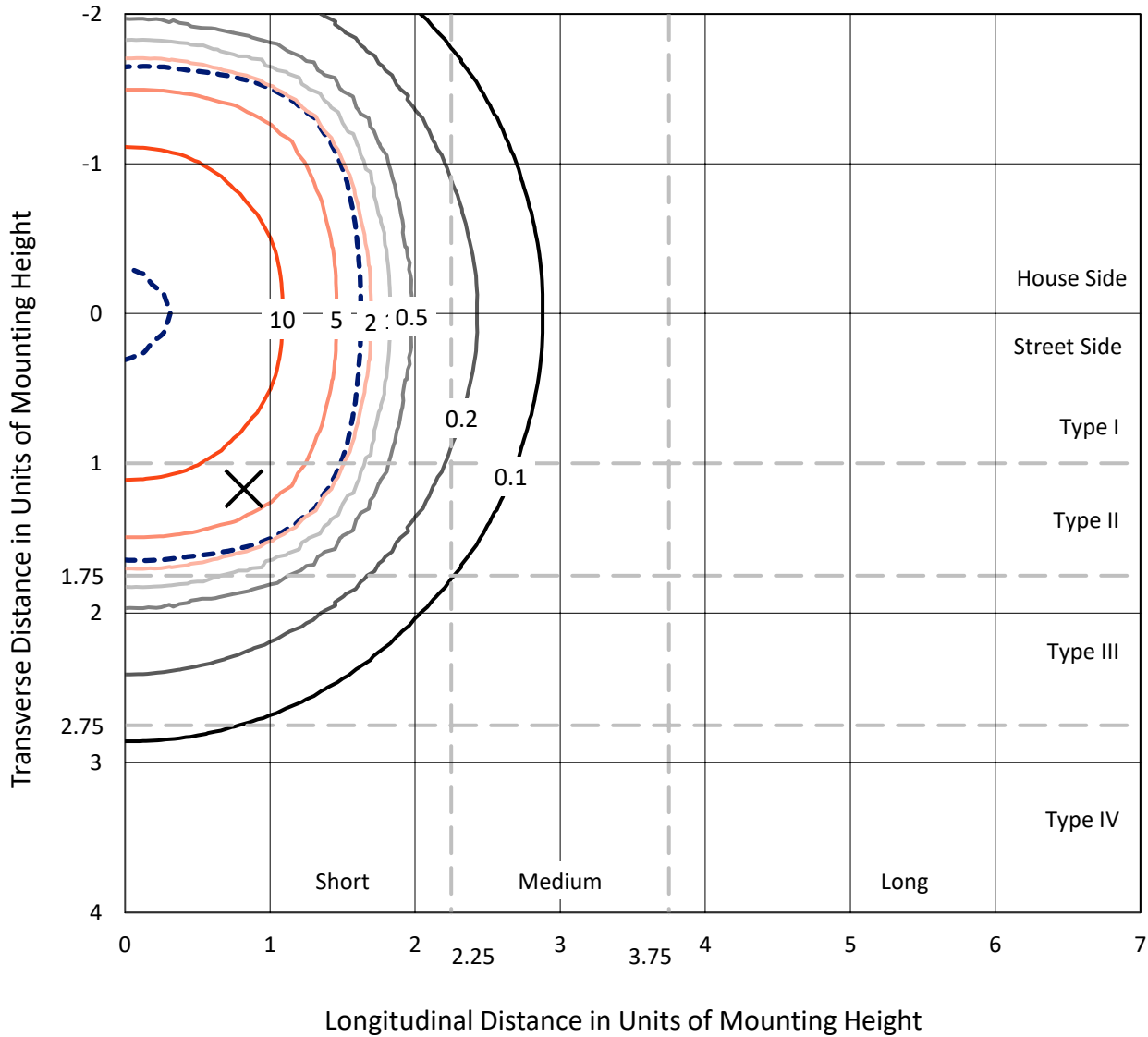
Lumens per Lamp: N/A  
Luminaire Lumens: 9513.4 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

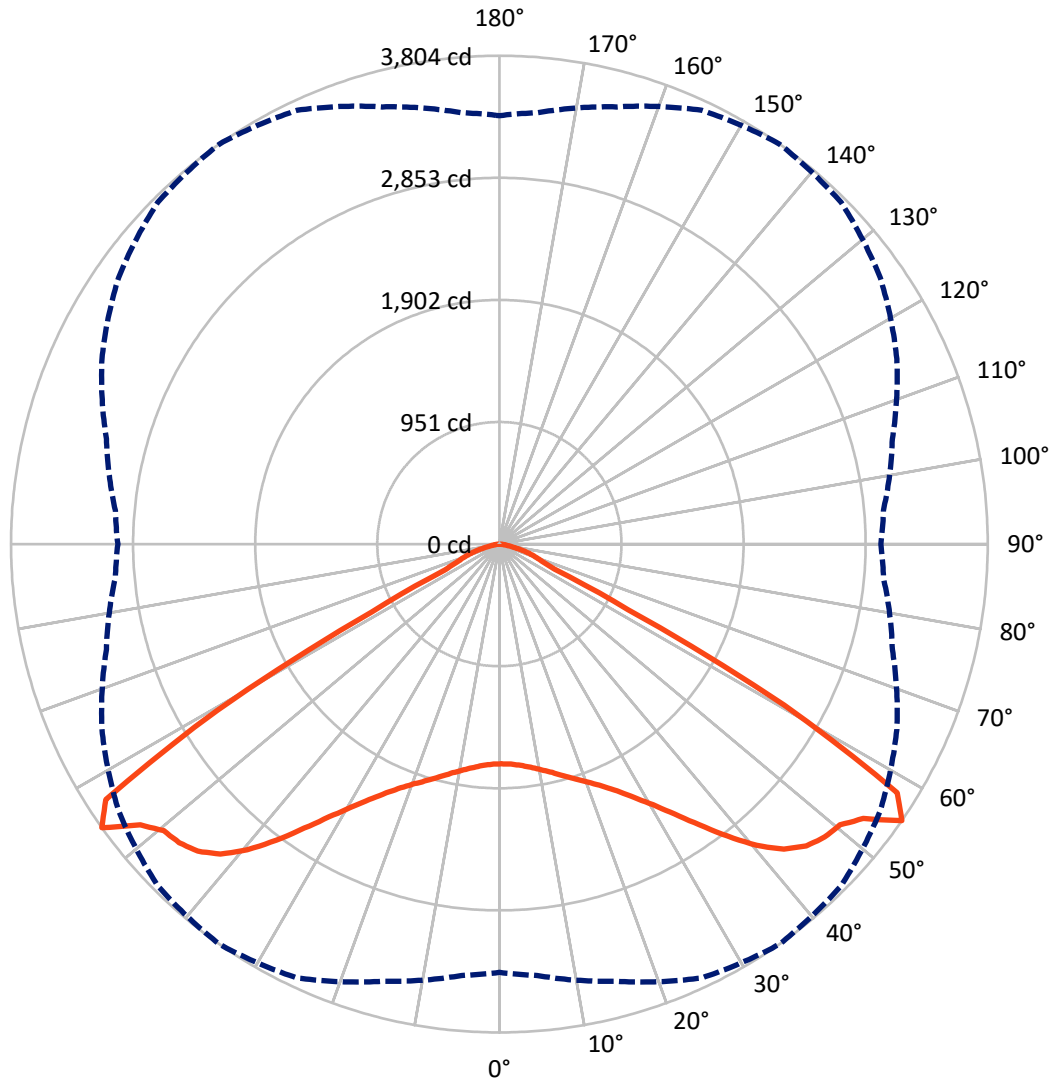
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4756.7   | 0.0    | 4756.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4756.7   | 0.0    | 4756.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9513.4   | 0.0    | 9513.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 166.9  | 1.8       |
| 10°-20°   | 531.5  | 5.6       |
| 20°-30°   | 983.7  | 10.3      |
| 30°-40°   | 1645.5 | 17.3      |
| 40°-50°   | 2507.4 | 26.4      |
| 50°-60°   | 2808.9 | 29.5      |
| 60°-70°   | 664.6  | 7.0       |
| 70°-80°   | 179.2  | 1.9       |
| 80°-90°   | 25.8   | 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°    | 9513.4 | 100.0     |
| 0°-180°   | 9513.4 | 100.0     |

**Coefficient of Utilization**



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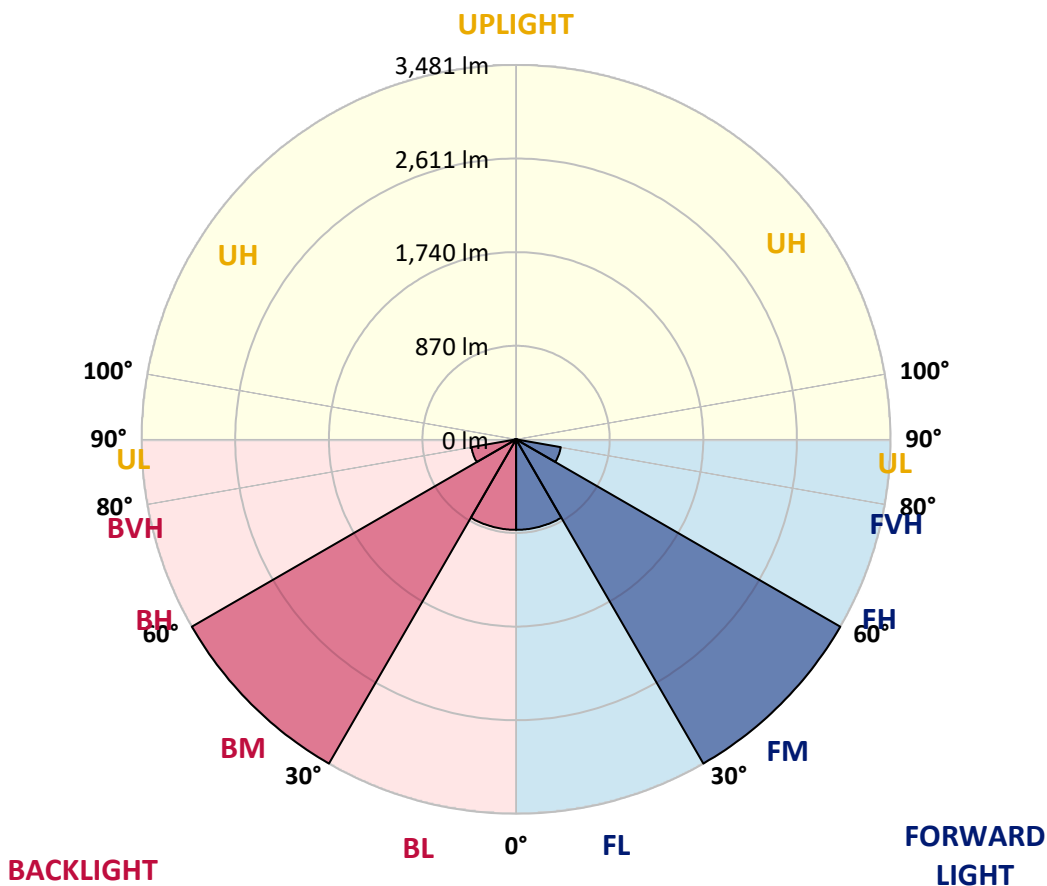
CATALOG NUMBER: GWS-SA3B-760-U-5NQ-W-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 841.0  | 8.8       |                         |      |        |
| FM (30°-60°)   | 3480.9 | 36.6      |                         |      |        |
| FH (60°-80°)   | 421.9  | 4.4       |                         |      | G0/660 |
| FVH (80°-90°)  | 12.9   | 0.1       |                         |      | G1/100 |
| BL (0°-30°)    | 841.0  | 8.8       | B2/1000                 |      |        |
| BM (30°-60°)   | 3480.9 | 36.6      | B3/5000                 |      |        |
| BH (60°-80°)   | 421.9  | 4.4       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 12.9   | 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





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 | 1711.5 |
| 2.5°  | 1707.7 | 1707.7 | 1710.7 | 1714.5 | 1715.2 | 1722.8 | 1721.3 | 1718.3 | 1716.8 | 1713.7 | 1720.5 |
| 5°    | 1726.5 | 1727.3 | 1729.5 | 1731.8 | 1730.3 | 1736.3 | 1734.1 | 1730.3 | 1728.0 | 1724.3 | 1731.0 |
| 7.5°  | 1751.4 | 1751.4 | 1753.6 | 1756.6 | 1755.1 | 1764.1 | 1759.6 | 1754.4 | 1750.6 | 1746.1 | 1752.1 |
| 10°   | 1773.9 | 1775.4 | 1777.7 | 1783.7 | 1786.7 | 1796.5 | 1793.5 | 1786.0 | 1779.9 | 1774.7 | 1781.5 |
| 12.5° | 1807.8 | 1809.3 | 1811.5 | 1819.8 | 1825.1 | 1834.9 | 1830.3 | 1819.8 | 1810.8 | 1803.3 | 1810.8 |
| 15°   | 1851.4 | 1849.9 | 1855.9 | 1866.5 | 1873.2 | 1882.3 | 1877.0 | 1858.9 | 1846.9 | 1837.1 | 1844.6 |
| 17.5° | 1895.8 | 1895.0 | 1901.1 | 1914.6 | 1924.4 | 1936.4 | 1927.4 | 1906.3 | 1893.5 | 1881.5 | 1889.0 |
| 20°   | 1943.9 | 1946.2 | 1952.2 | 1965.0 | 1979.3 | 1995.1 | 1987.6 | 1965.0 | 1950.7 | 1937.2 | 1943.2 |
| 22.5° | 2003.4 | 2004.1 | 2010.9 | 2027.5 | 2046.3 | 2061.3 | 2056.8 | 2029.0 | 2010.9 | 1996.6 | 2004.1 |
| 25°   | 2074.8 | 2074.1 | 2083.1 | 2102.7 | 2129.0 | 2144.1 | 2134.3 | 2103.4 | 2083.9 | 2067.3 | 2073.3 |
| 27.5° | 2156.8 | 2156.1 | 2169.6 | 2195.2 | 2232.8 | 2253.9 | 2233.6 | 2195.2 | 2168.1 | 2144.8 | 2150.1 |
| 30°   | 2259.9 | 2257.7 | 2272.7 | 2307.3 | 2356.2 | 2391.6 | 2361.5 | 2308.1 | 2272.7 | 2247.9 | 2253.1 |
| 32.5° | 2374.3 | 2377.3 | 2396.1 | 2442.7 | 2504.4 | 2550.3 | 2505.2 | 2445.7 | 2398.3 | 2362.2 | 2368.2 |
| 35°   | 2499.9 | 2499.9 | 2538.3 | 2596.2 | 2684.2 | 2745.1 | 2675.2 | 2589.4 | 2526.2 | 2476.6 | 2478.1 |
| 37.5° | 2639.8 | 2641.3 | 2691.7 | 2771.5 | 2886.6 | 2958.0 | 2863.3 | 2757.2 | 2680.5 | 2627.0 | 2624.0 |
| 40°   | 2810.6 | 2815.1 | 2867.0 | 2955.8 | 3085.2 | 3150.6 | 3049.1 | 2945.3 | 2867.0 | 2803.8 | 2797.8 |
| 42.5° | 3003.2 | 3004.7 | 3059.6 | 3139.4 | 3248.4 | 3287.6 | 3207.8 | 3122.8 | 3058.9 | 3001.7 | 2995.7 |
| 45°   | 3186.7 | 3183.0 | 3230.4 | 3289.8 | 3353.0 | 3356.8 | 3312.4 | 3277.8 | 3222.1 | 3173.2 | 3164.2 |
| 47.5° | 3329.7 | 3326.7 | 3369.6 | 3401.9 | 3409.4 | 3372.6 | 3386.9 | 3392.1 | 3327.4 | 3261.2 | 3243.9 |
| 50°   | 3417.0 | 3423.0 | 3463.6 | 3481.7 | 3437.3 | 3377.1 | 3431.2 | 3417.7 | 3325.2 | 3238.7 | 3210.8 |
| 52.5° | 3469.6 | 3478.6 | 3549.4 | 3595.2 | 3549.4 | 3492.2 | 3499.7 | 3420.0 | 3286.8 | 3172.5 | 3136.3 |
| 55°   | 3336.5 | 3372.6 | 3525.3 | 3728.4 | 3803.6 | 3763.8 | 3620.8 | 3415.4 | 3168.7 | 3002.4 | 2971.6 |
| 57.5° | 2472.8 | 2530.0 | 2756.4 | 3196.5 | 3653.9 | 3799.1 | 3381.6 | 2863.3 | 2489.4 | 2275.7 | 2257.7 |
| 60°   | 1262.4 | 1326.3 | 1507.6 | 1959.7 | 2548.0 | 2752.7 | 2355.5 | 1833.4 | 1457.2 | 1284.2 | 1264.6 |
| 62.5° | 515.3  | 525.9  | 585.3  | 759.8  | 1126.2 | 1299.2 | 1141.2 | 801.2  | 601.8  | 554.4  | 555.2  |
| 65°   | 405.5  | 407.7  | 404.7  | 415.3  | 471.7  | 523.6  | 483.7  | 425.1  | 414.5  | 419.8  | 416.0  |
| 67.5° | 353.6  | 354.3  | 352.1  | 352.1  | 354.3  | 352.1  | 356.6  | 358.8  | 360.4  | 366.4  | 362.6  |
| 70°   | 295.7  | 296.4  | 296.4  | 297.9  | 297.2  | 293.4  | 300.2  | 303.2  | 303.9  | 307.7  | 305.4  |
| 72.5° | 228.7  | 231.0  | 232.5  | 233.2  | 232.5  | 230.2  | 234.0  | 239.2  | 238.5  | 242.2  | 238.5  |
| 75°   | 155.0  | 158.0  | 159.5  | 162.5  | 161.7  | 161.7  | 166.3  | 168.5  | 166.3  | 169.3  | 166.3  |
| 77.5° | 88.0   | 90.3   | 94.8   | 97.8   | 100.8  | 103.1  | 106.1  | 107.6  | 106.8  | 108.3  | 106.8  |
| 80°   | 51.2   | 51.9   | 55.7   | 57.2   | 60.9   | 64.7   | 67.7   | 69.2   | 70.0   | 70.7   | 70.0   |
| 82.5° | 29.3   | 30.1   | 31.6   | 33.1   | 36.1   | 39.1   | 42.1   | 44.4   | 44.4   | 45.1   | 44.4   |
| 85°   | 14.3   | 14.3   | 15.0   | 15.8   | 17.3   | 19.6   | 21.8   | 24.1   | 24.8   | 24.8   | 24.8   |
| 87.5° | 2.3    | 2.3    | 3.0    | 3.0    | 3.8    | 4.5    | 6.0    | 7.5    | 8.3    | 8.3    | 8.3    |
| 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)