

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: P641761

Luminaire Tested: GWS-SA6B-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641761
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-SA6B-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21956.6 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

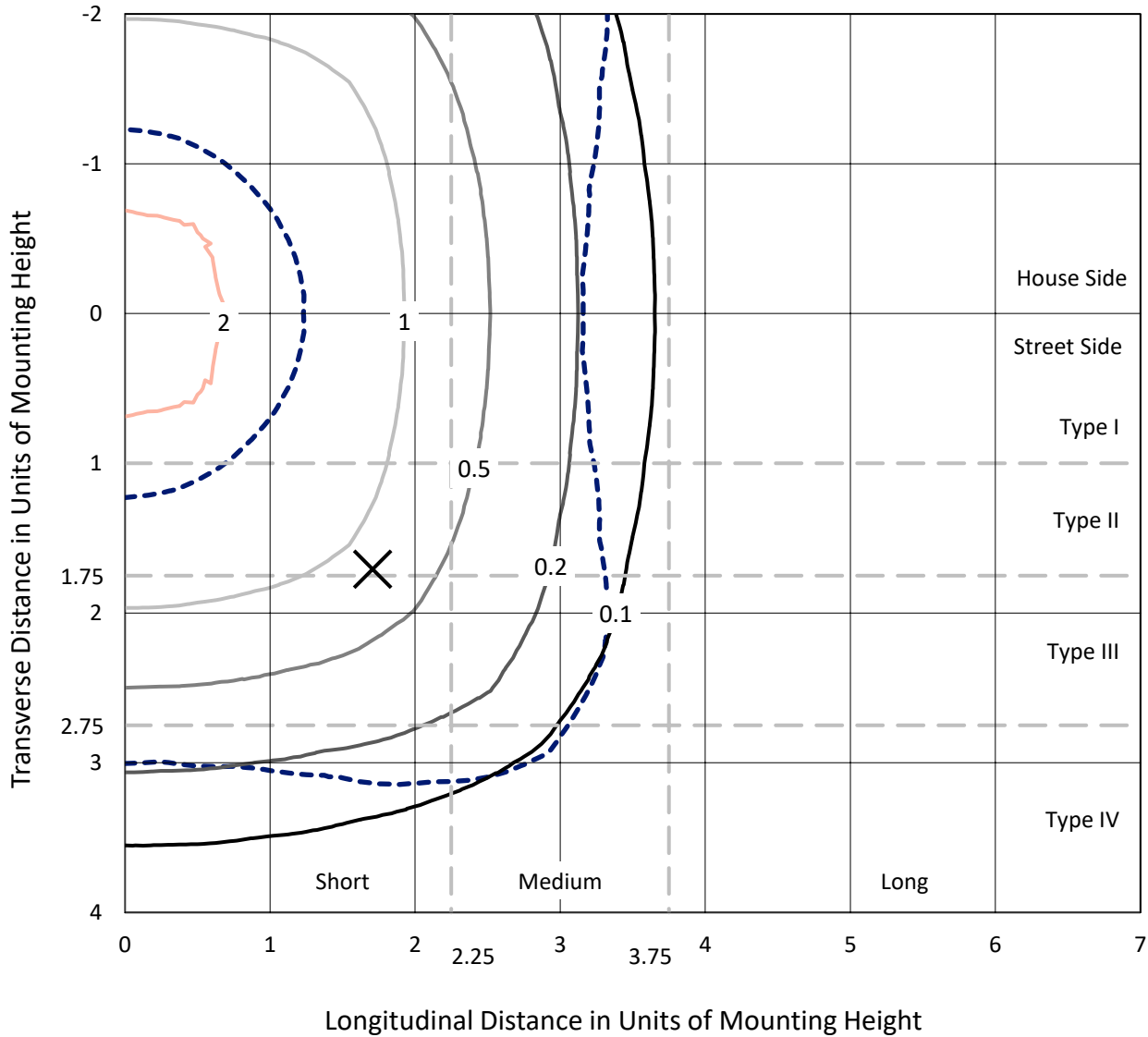
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

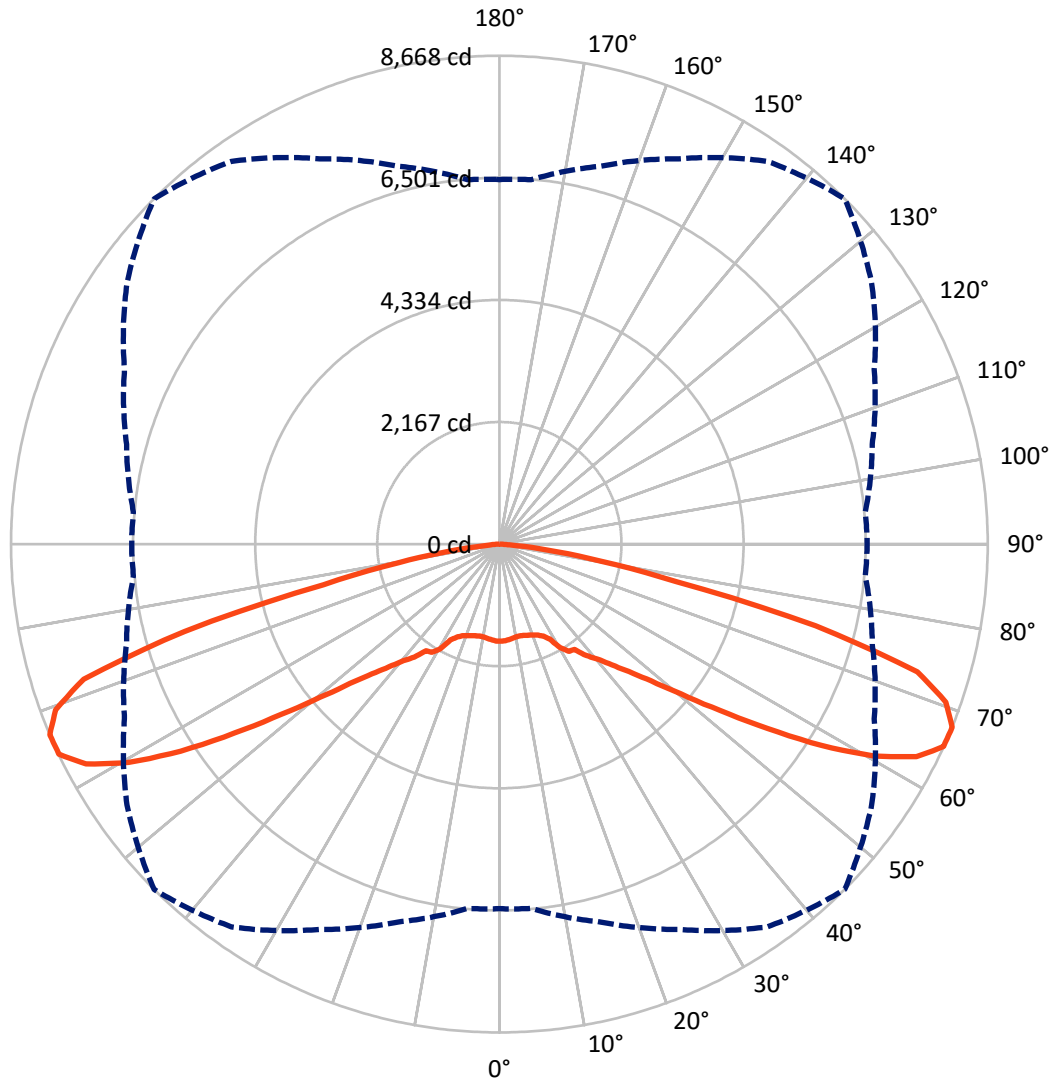
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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 |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10978.3 | 0.0 | 10978.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10978.3 | 0.0 | 10978.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21956.6 | 0.0 | 21956.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 161.7 | 0.7 |
| 10°-20° | 479.8 | 2.2 |
| 20°-30° | 860.6 | 3.9 |
| 30°-40° | 1453.8 | 6.6 |
| 40°-50° | 2554.4 | 11.6 |
| 50°-60° | 4927.5 | 22.4 |
| 60°-70° | 7149.2 | 32.6 |
| 70°-80° | 4090.4 | 18.6 |
| 80°-90° | 279.2 | 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° | 21956.6 | 100.0 |
| 0°-180° | 21956.6 | 100.0 |

Coefficient of Utilization



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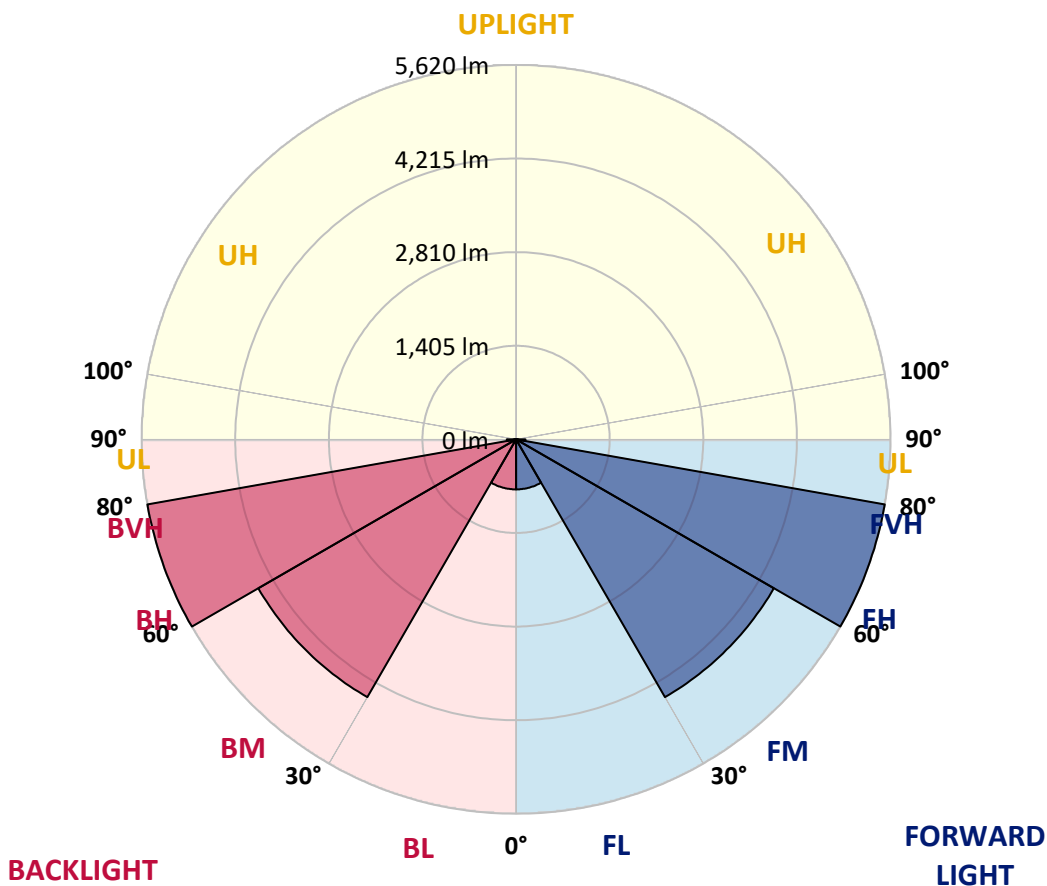
CATALOG NUMBER: GWS-SA6B-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|---------------------------------------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 751.0 | 3.4 | | | |
| FM (30°-60°) | 4467.9 | 20.3 | | | |
| FH (60°-80°) | 5619.8 | 25.6 | | | G3/7500 |
| FVH (80°-90°) | 139.6 | 0.6 | | | G2/225 |
| BL (0°-30°) | 751.0 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 4467.9 | 20.3 | B3/5000 | | |
| BH (60°-80°) | 5619.8 | 25.6 | B5 | | G3/7500 |
| BVH (80°-90°) | 139.6 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 <td></td> <td>U0/0</td> <td></td> | | 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° | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 | 1721.8 |
| 2.5° | 1707.9 | 1709.4 | 1712.5 | 1712.5 | 1715.6 | 1720.3 | 1721.8 | 1718.7 | 1720.3 | 1712.5 | 1720.3 |
| 5° | 1703.2 | 1704.8 | 1706.3 | 1703.2 | 1703.2 | 1704.8 | 1704.8 | 1701.7 | 1703.2 | 1695.5 | 1703.2 |
| 7.5° | 1692.3 | 1693.9 | 1693.9 | 1689.2 | 1684.6 | 1687.7 | 1687.7 | 1684.6 | 1686.1 | 1678.4 | 1687.7 |
| 10° | 1683.0 | 1683.0 | 1681.5 | 1672.2 | 1667.5 | 1672.2 | 1673.7 | 1675.3 | 1681.5 | 1675.3 | 1686.1 |
| 12.5° | 1689.2 | 1689.2 | 1684.6 | 1672.2 | 1664.4 | 1667.5 | 1670.6 | 1673.7 | 1684.6 | 1683.0 | 1695.5 |
| 15° | 1706.3 | 1707.9 | 1695.5 | 1681.5 | 1676.8 | 1681.5 | 1678.4 | 1676.8 | 1690.8 | 1695.5 | 1709.4 |
| 17.5° | 1720.3 | 1720.3 | 1704.8 | 1690.8 | 1692.3 | 1700.1 | 1693.9 | 1686.1 | 1700.1 | 1709.4 | 1725.0 |
| 20° | 1732.7 | 1731.2 | 1714.1 | 1704.8 | 1711.0 | 1721.8 | 1717.2 | 1706.3 | 1715.6 | 1726.5 | 1740.5 |
| 22.5° | 1763.8 | 1762.2 | 1743.6 | 1738.9 | 1745.1 | 1756.0 | 1751.3 | 1742.0 | 1752.9 | 1768.4 | 1785.5 |
| 25° | 1852.3 | 1849.2 | 1821.2 | 1805.7 | 1802.6 | 1810.3 | 1808.8 | 1805.7 | 1822.8 | 1841.4 | 1861.6 |
| 27.5° | 1970.3 | 1968.7 | 1948.5 | 1933.0 | 1912.8 | 1906.6 | 1911.3 | 1925.2 | 1950.1 | 1964.1 | 1981.1 |
| 30° | 2029.3 | 2029.3 | 2026.2 | 2051.0 | 2094.5 | 2136.4 | 2103.8 | 2051.0 | 2029.3 | 2023.1 | 2040.1 |
| 32.5° | 2106.9 | 2114.7 | 2103.8 | 2131.7 | 2204.7 | 2266.8 | 2204.7 | 2119.3 | 2103.8 | 2103.8 | 2122.4 |
| 35° | 2285.4 | 2288.5 | 2271.5 | 2266.8 | 2290.1 | 2297.9 | 2268.4 | 2237.3 | 2254.4 | 2257.5 | 2280.8 |
| 37.5° | 2428.3 | 2428.3 | 2420.5 | 2432.9 | 2481.1 | 2510.6 | 2462.4 | 2406.5 | 2411.2 | 2414.3 | 2443.8 |
| 40° | 2648.8 | 2655.0 | 2636.3 | 2634.8 | 2653.4 | 2679.8 | 2628.6 | 2592.9 | 2617.7 | 2625.5 | 2670.5 |
| 42.5° | 2923.6 | 2923.6 | 2895.6 | 2887.9 | 2900.3 | 2928.2 | 2880.1 | 2856.8 | 2889.4 | 2895.6 | 2922.0 |
| 45° | 3251.2 | 3258.9 | 3221.7 | 3207.7 | 3213.9 | 3223.2 | 3189.1 | 3178.2 | 3209.2 | 3223.2 | 3269.8 |
| 47.5° | 3650.2 | 3658.0 | 3625.3 | 3623.8 | 3617.6 | 3623.8 | 3591.2 | 3585.0 | 3609.8 | 3599.0 | 3648.6 |
| 50° | 4142.4 | 4156.3 | 4128.4 | 4167.2 | 4162.6 | 4181.2 | 4136.2 | 4103.6 | 4103.6 | 4074.1 | 4102.0 |
| 52.5° | 4693.5 | 4721.5 | 4735.5 | 4800.7 | 4850.4 | 4896.9 | 4822.4 | 4771.2 | 4696.6 | 4636.1 | 4712.2 |
| 55° | 5294.4 | 5286.6 | 5375.1 | 5518.0 | 5663.9 | 5774.2 | 5628.2 | 5466.7 | 5345.6 | 5219.9 | 5249.4 |
| 57.5° | 5820.7 | 5847.1 | 5963.6 | 6224.4 | 6513.2 | 6746.1 | 6483.7 | 6173.2 | 5898.4 | 5718.3 | 5743.1 |
| 60° | 6258.6 | 6280.3 | 6435.6 | 6811.3 | 7315.9 | 7637.3 | 7221.2 | 6708.8 | 6309.8 | 6061.4 | 6087.8 |
| 62.5° | 6662.3 | 6682.4 | 6839.3 | 7253.8 | 7890.4 | 8309.6 | 7772.4 | 7072.1 | 6628.1 | 6378.1 | 6393.7 |
| 65° | 6895.1 | 6907.6 | 7121.8 | 7558.1 | 8228.8 | 8662.0 | 8056.5 | 7334.5 | 6898.3 | 6643.6 | 6652.9 |
| 67.5° | 6471.3 | 6491.5 | 6943.3 | 7545.7 | 8294.0 | 8668.2 | 8068.9 | 7342.3 | 6851.7 | 6519.4 | 6527.2 |
| 70° | 5105.0 | 5087.9 | 5626.7 | 6662.3 | 7919.9 | 8407.4 | 7710.3 | 6791.1 | 6033.4 | 5569.2 | 5561.5 |
| 72.5° | 3892.4 | 3897.1 | 4196.7 | 4906.3 | 6457.3 | 7758.4 | 6803.5 | 5468.3 | 4651.6 | 4299.2 | 4285.2 |
| 75° | 2822.6 | 2866.1 | 3109.9 | 3630.0 | 4516.5 | 5799.0 | 5122.1 | 4052.3 | 3505.8 | 3294.6 | 3263.6 |
| 77.5° | 1271.6 | 1327.5 | 1667.5 | 2279.2 | 3019.8 | 3204.6 | 3217.0 | 2751.2 | 2075.8 | 1725.0 | 1670.6 |
| 80° | 371.1 | 397.5 | 510.8 | 874.1 | 1406.7 | 1818.1 | 1443.9 | 1214.1 | 756.1 | 593.1 | 565.2 |
| 82.5° | 156.8 | 178.6 | 218.9 | 242.2 | 408.3 | 843.1 | 524.8 | 333.8 | 310.5 | 251.5 | 229.8 |
| 85° | 66.8 | 71.4 | 91.6 | 97.8 | 132.0 | 180.1 | 166.1 | 150.6 | 144.4 | 111.8 | 102.5 |
| 87.5° | 27.9 | 27.9 | 27.9 | 24.8 | 23.3 | 24.8 | 34.2 | 43.5 | 57.4 | 45.0 | 41.9 |
| 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)