

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: P641979

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11006.8 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

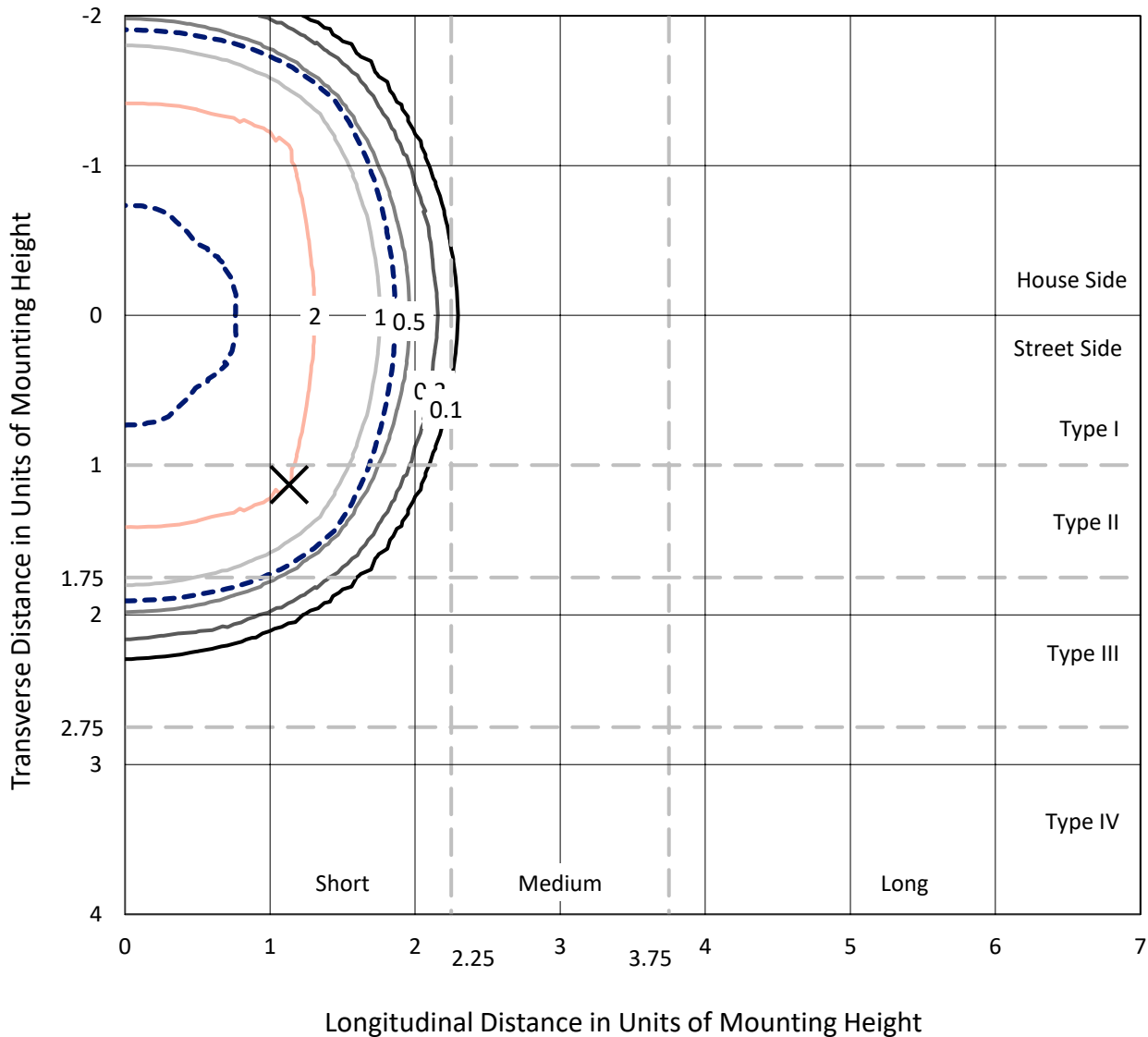
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

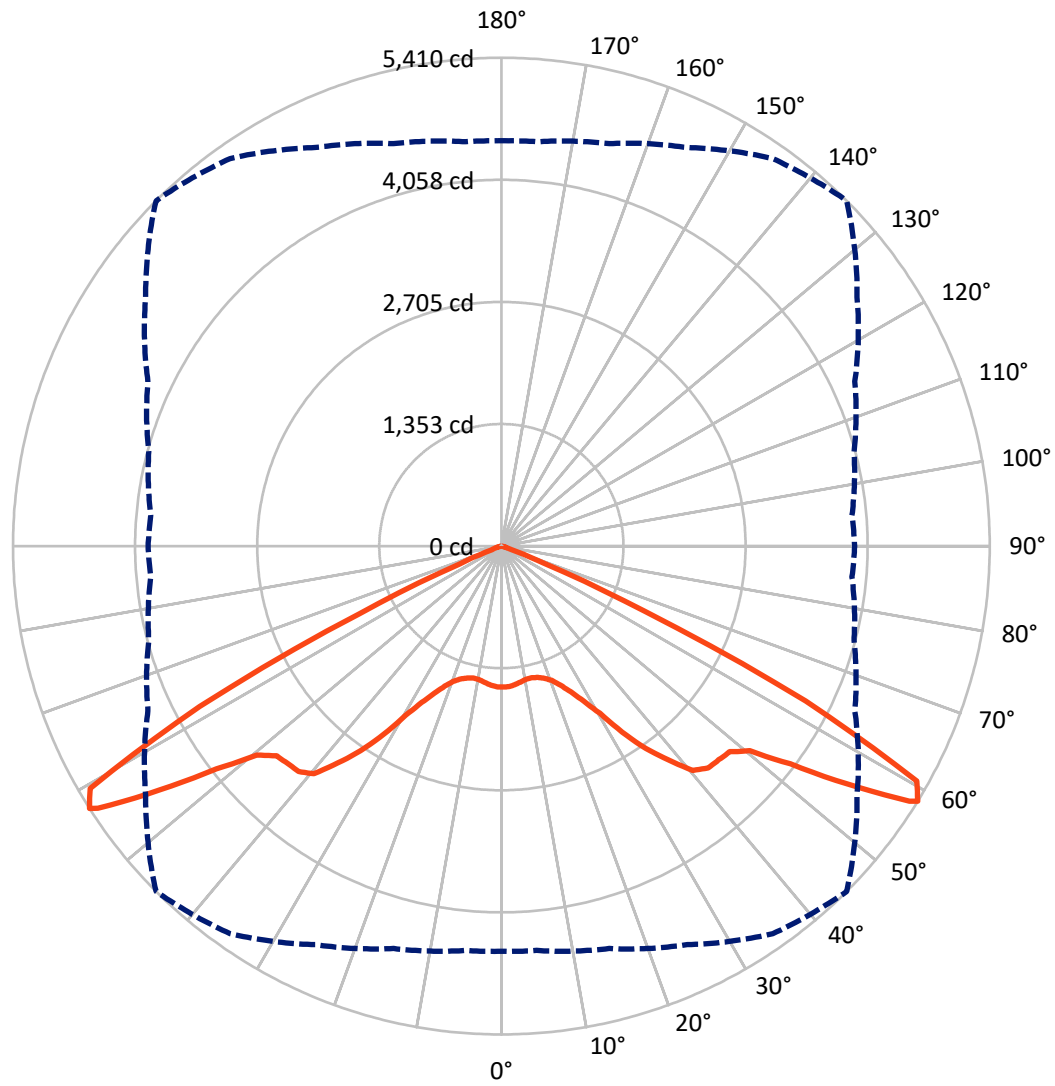
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5503.4 | 0.0 | 5503.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5503.4 | 0.0 | 5503.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11006.8 | 0.0 | 11006.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 145.6 | 1.3 |
| 10°-20° | 430.9 | 3.9 |
| 20°-30° | 815.0 | 7.4 |
| 30°-40° | 1607.4 | 14.6 |
| 40°-50° | 2543.6 | 23.1 |
| 50°-60° | 3739.0 | 34.0 |
| 60°-70° | 1668.9 | 15.2 |
| 70°-80° | 55.9 | 0.5 |
| 80°-90° | 0.5 | 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° | 11006.8 | 100.0 |
| 0°-180° | 11006.8 | 100.0 |

Coefficient of Utilization



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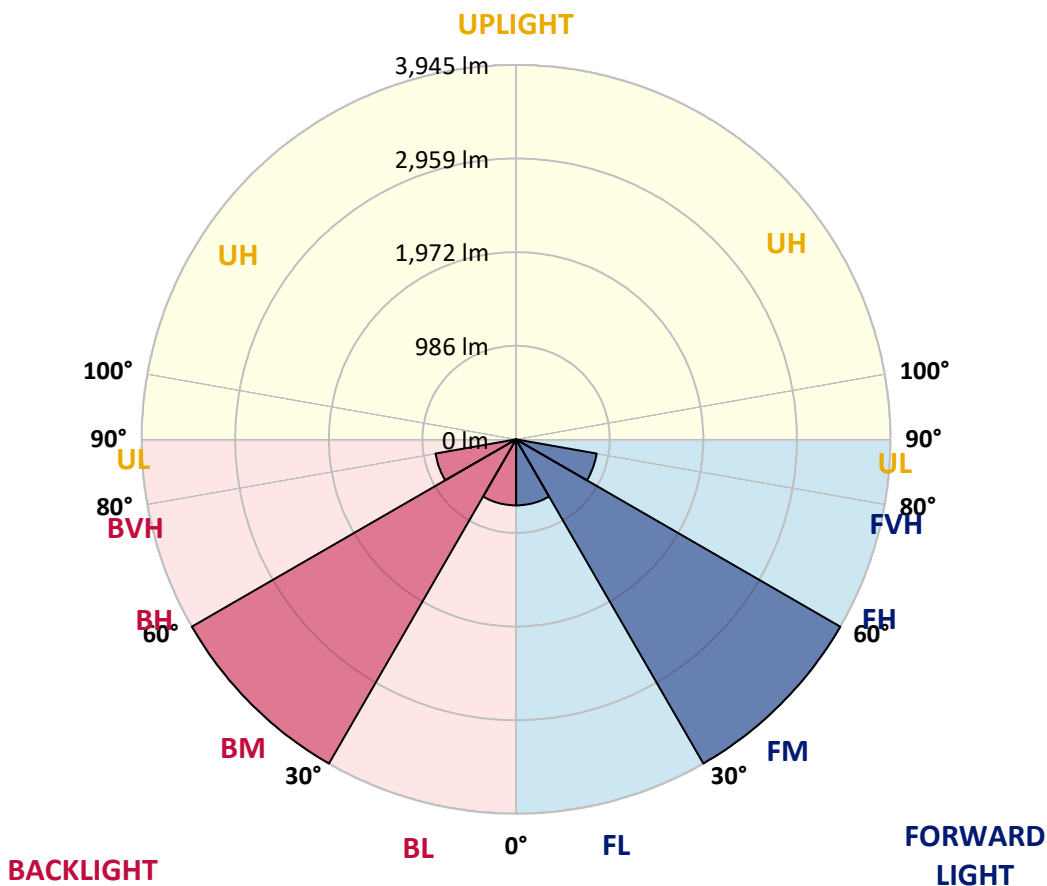
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 695.8 | 6.3 | | | |
| FM (30°-60°) | 3945.0 | 35.8 | | | |
| FH (60°-80°) | 862.4 | 7.8 | | | G1/1800 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 695.8 | 6.3 | B2/1000 | | |
| BM (30°-60°) | 3945.0 | 35.8 | B3/5000 | | |
| BH (60°-80°) | 862.4 | 7.8 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| 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° | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 | 1560.9 |
| 2.5° | 1545.9 | 1548.9 | 1551.9 | 1553.4 | 1554.9 | 1559.4 | 1560.9 | 1556.4 | 1556.4 | 1547.4 | 1557.9 |
| 5° | 1538.4 | 1541.4 | 1544.4 | 1542.9 | 1542.9 | 1542.9 | 1541.4 | 1535.4 | 1533.9 | 1524.9 | 1535.4 |
| 7.5° | 1524.9 | 1527.9 | 1527.9 | 1523.4 | 1520.4 | 1520.4 | 1518.9 | 1511.4 | 1509.9 | 1500.9 | 1511.4 |
| 10° | 1514.4 | 1515.9 | 1514.4 | 1505.4 | 1499.4 | 1499.4 | 1497.9 | 1494.9 | 1496.4 | 1490.4 | 1499.4 |
| 12.5° | 1520.4 | 1521.9 | 1515.9 | 1503.9 | 1496.4 | 1494.9 | 1490.4 | 1485.9 | 1490.4 | 1488.9 | 1497.9 |
| 15° | 1539.9 | 1541.4 | 1530.9 | 1515.9 | 1509.9 | 1509.9 | 1497.9 | 1485.9 | 1491.9 | 1493.4 | 1503.9 |
| 17.5° | 1563.9 | 1563.9 | 1550.4 | 1536.9 | 1538.4 | 1538.4 | 1518.9 | 1497.9 | 1499.4 | 1505.4 | 1515.9 |
| 20° | 1592.4 | 1592.4 | 1578.9 | 1575.9 | 1586.4 | 1587.9 | 1563.9 | 1530.9 | 1523.4 | 1527.9 | 1539.9 |
| 22.5° | 1643.4 | 1643.4 | 1632.9 | 1640.4 | 1664.4 | 1671.9 | 1635.9 | 1589.4 | 1571.4 | 1574.4 | 1586.4 |
| 25° | 1722.8 | 1722.8 | 1719.9 | 1737.8 | 1772.3 | 1788.8 | 1740.8 | 1679.4 | 1649.4 | 1644.9 | 1658.4 |
| 27.5° | 1856.3 | 1857.8 | 1853.3 | 1880.3 | 1923.8 | 1943.3 | 1877.3 | 1796.3 | 1760.3 | 1752.8 | 1766.3 |
| 30° | 2028.7 | 2028.7 | 2030.2 | 2067.7 | 2124.7 | 2150.2 | 2063.2 | 1968.8 | 1926.8 | 1902.8 | 1920.8 |
| 32.5° | 2220.7 | 2223.7 | 2238.7 | 2301.6 | 2402.1 | 2454.6 | 2327.1 | 2195.2 | 2127.7 | 2102.2 | 2121.7 |
| 35° | 2537.0 | 2508.6 | 2490.6 | 2537.0 | 2682.5 | 2751.5 | 2588.0 | 2433.6 | 2382.6 | 2379.6 | 2429.1 |
| 37.5° | 2850.4 | 2833.9 | 2796.4 | 2844.4 | 2974.9 | 3006.4 | 2826.4 | 2697.5 | 2661.5 | 2681.0 | 2730.5 |
| 40° | 3099.3 | 3069.3 | 3019.9 | 3064.8 | 3235.8 | 3267.3 | 3045.4 | 2917.9 | 2904.4 | 2947.9 | 3015.4 |
| 42.5° | 3295.8 | 3253.8 | 3187.8 | 3198.3 | 3336.2 | 3358.7 | 3162.3 | 3066.3 | 3075.3 | 3129.3 | 3205.8 |
| 45° | 3384.2 | 3351.2 | 3292.8 | 3288.3 | 3375.2 | 3376.7 | 3222.3 | 3172.8 | 3196.8 | 3238.8 | 3298.8 |
| 47.5° | 3421.7 | 3406.7 | 3373.7 | 3366.2 | 3415.7 | 3403.7 | 3307.8 | 3286.8 | 3309.3 | 3321.2 | 3355.7 |
| 50° | 3514.7 | 3514.7 | 3519.2 | 3525.2 | 3576.2 | 3564.2 | 3496.7 | 3472.7 | 3444.2 | 3402.2 | 3412.7 |
| 52.5° | 3775.6 | 3786.1 | 3829.6 | 3877.5 | 3970.5 | 4009.5 | 3900.0 | 3760.6 | 3624.1 | 3532.7 | 3532.7 |
| 55° | 4246.4 | 4256.9 | 4307.9 | 4388.8 | 4559.8 | 4652.7 | 4397.8 | 4090.5 | 3903.0 | 3778.6 | 3795.1 |
| 57.5° | 4505.8 | 4517.8 | 4622.8 | 4841.7 | 5173.0 | 5330.5 | 4783.2 | 4327.4 | 4065.0 | 3922.5 | 3934.5 |
| 58° | 4489.3 | 4496.8 | 4615.3 | 4871.7 | 5240.5 | 5410.0 | 4810.2 | 4319.9 | 4044.0 | 3898.5 | 3913.5 |
| 60° | 3988.5 | 3978.0 | 4166.9 | 4532.8 | 5053.1 | 5287.0 | 4541.8 | 3943.5 | 3622.6 | 3474.2 | 3481.7 |
| 62.5° | 2607.5 | 2613.5 | 2777.0 | 3159.3 | 3564.2 | 3784.6 | 3172.8 | 2727.5 | 2469.6 | 2379.6 | 2357.1 |
| 65° | 1088.6 | 1069.1 | 1169.6 | 1382.5 | 1625.4 | 1748.3 | 1502.4 | 1271.5 | 1112.6 | 1052.6 | 1069.1 |
| 67.5° | 280.4 | 272.9 | 278.9 | 349.4 | 427.3 | 505.3 | 424.3 | 323.9 | 281.9 | 284.9 | 284.9 |
| 70° | 158.9 | 149.9 | 121.5 | 112.5 | 109.5 | 109.5 | 109.5 | 109.5 | 126.0 | 148.4 | 152.9 |
| 72.5° | 120.0 | 112.5 | 88.5 | 76.5 | 67.5 | 63.0 | 66.0 | 76.5 | 91.5 | 111.0 | 114.0 |
| 75° | 60.0 | 60.0 | 54.0 | 51.0 | 45.0 | 42.0 | 43.5 | 48.0 | 55.5 | 63.0 | 61.5 |
| 77.5° | 12.0 | 13.5 | 15.0 | 18.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 19.5 | 18.0 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 82.5° | 0.0 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)