

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: P630431

Luminaire Tested: GWS-SA1D-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630431
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-SA1D-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6202.1 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

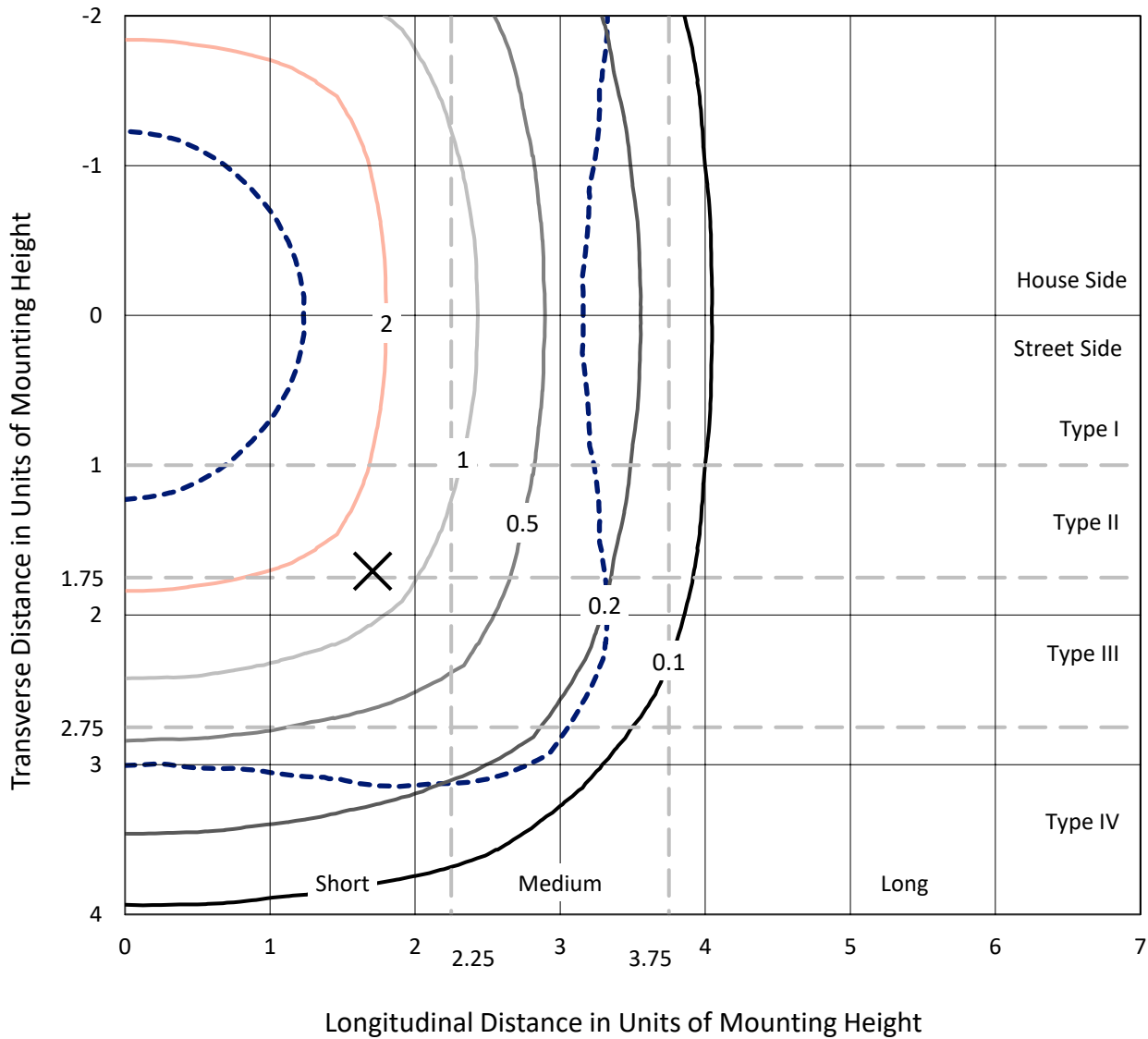
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

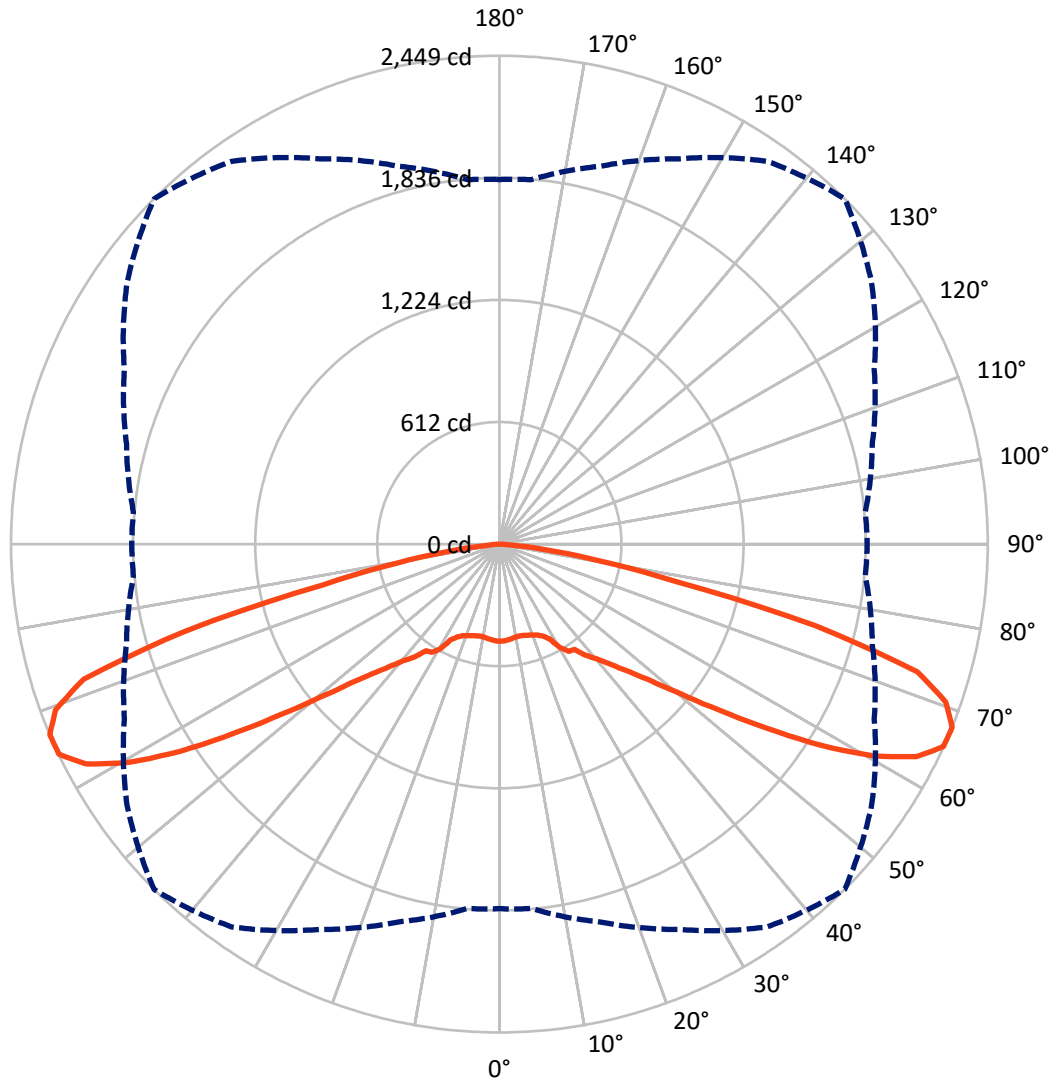
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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 | 3101.0 | 0.0 | 3101.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3101.0 | 0.0 | 3101.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6202.1 | 0.0 | 6202.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.7 | 0.7 |
| 10°-20° | 135.5 | 2.2 |
| 20°-30° | 243.1 | 3.9 |
| 30°-40° | 410.7 | 6.6 |
| 40°-50° | 721.5 | 11.6 |
| 50°-60° | 1391.9 | 22.4 |
| 60°-70° | 2019.4 | 32.6 |
| 70°-80° | 1155.4 | 18.6 |
| 80°-90° | 78.9 | 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° | 6202.1 | 100.0 |
| 0°-180° | 6202.1 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P630431

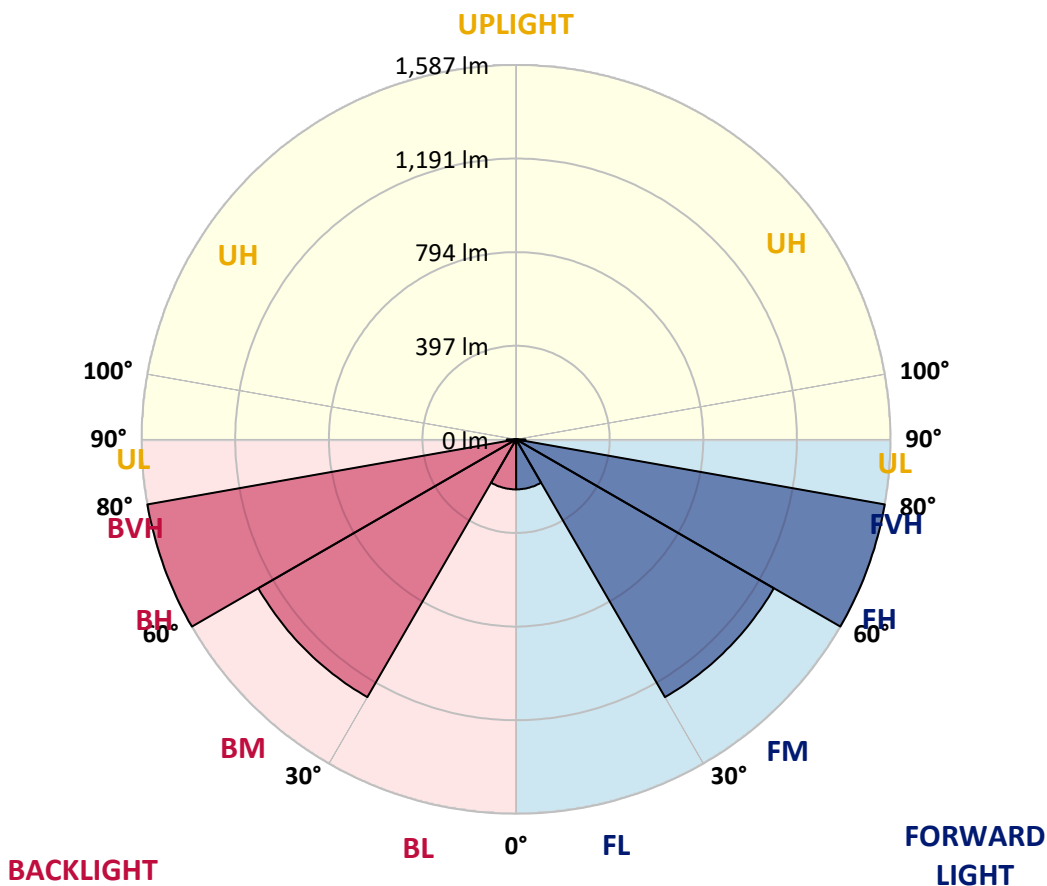
CATALOG NUMBER: GWS-SA1D-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 212.1 | 3.4 | | | |
| FM (30°-60°) | 1262.0 | 20.3 | | | |
| FH (60°-80°) | 1587.4 | 25.6 | | | G1/1800 |
| FVH (80°-90°) | 39.4 | 0.6 | | | G1/100 |
| BL (0°-30°) | 212.1 | 3.4 | B1/500 | | |
| BM (30°-60°) | 1262.0 | 20.3 | B2/2500 | | |
| BH (60°-80°) | 1587.4 | 25.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 39.4 | 0.6 | | | 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° | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 | 486.4 |
| 2.5° | 482.4 | 482.9 | 483.7 | 483.7 | 484.6 | 485.9 | 486.4 | 485.5 | 485.9 | 483.7 | 485.9 |
| 5° | 481.1 | 481.5 | 482.0 | 481.1 | 481.1 | 481.5 | 481.5 | 480.7 | 481.1 | 478.9 | 481.1 |
| 7.5° | 478.0 | 478.5 | 478.5 | 477.2 | 475.8 | 476.7 | 476.7 | 475.8 | 476.3 | 474.1 | 476.7 |
| 10° | 475.4 | 475.4 | 475.0 | 472.3 | 471.0 | 472.3 | 472.8 | 473.2 | 475.0 | 473.2 | 476.3 |
| 12.5° | 477.2 | 477.2 | 475.8 | 472.3 | 470.1 | 471.0 | 471.9 | 472.8 | 475.8 | 475.4 | 478.9 |
| 15° | 482.0 | 482.4 | 478.9 | 475.0 | 473.7 | 475.0 | 474.1 | 473.7 | 477.6 | 478.9 | 482.9 |
| 17.5° | 485.9 | 485.9 | 481.5 | 477.6 | 478.0 | 480.2 | 478.5 | 476.3 | 480.2 | 482.9 | 487.2 |
| 20° | 489.4 | 489.0 | 484.2 | 481.5 | 483.3 | 486.4 | 485.1 | 482.0 | 484.6 | 487.7 | 491.6 |
| 22.5° | 498.2 | 497.8 | 492.5 | 491.2 | 492.9 | 496.0 | 494.7 | 492.1 | 495.1 | 499.5 | 504.4 |
| 25° | 523.2 | 522.3 | 514.4 | 510.1 | 509.2 | 511.4 | 510.9 | 510.1 | 514.9 | 520.1 | 525.8 |
| 27.5° | 556.5 | 556.1 | 550.4 | 546.0 | 540.3 | 538.6 | 539.9 | 543.8 | 550.8 | 554.8 | 559.6 |
| 30° | 573.2 | 573.2 | 572.3 | 579.3 | 591.6 | 603.5 | 594.3 | 579.3 | 573.2 | 571.5 | 576.3 |
| 32.5° | 595.1 | 597.3 | 594.3 | 602.2 | 622.8 | 640.3 | 622.8 | 598.6 | 594.3 | 594.3 | 599.5 |
| 35° | 645.6 | 646.4 | 641.6 | 640.3 | 646.9 | 649.1 | 640.7 | 632.0 | 636.8 | 637.7 | 644.3 |
| 37.5° | 685.9 | 685.9 | 683.7 | 687.2 | 700.8 | 709.2 | 695.6 | 679.8 | 681.1 | 682.0 | 690.3 |
| 40° | 748.2 | 750.0 | 744.7 | 744.2 | 749.5 | 757.0 | 742.5 | 732.4 | 739.4 | 741.6 | 754.3 |
| 42.5° | 825.8 | 825.8 | 817.9 | 815.7 | 819.2 | 827.1 | 813.5 | 807.0 | 816.2 | 817.9 | 825.4 |
| 45° | 918.4 | 920.6 | 910.0 | 906.1 | 907.8 | 910.5 | 900.8 | 897.7 | 906.5 | 910.5 | 923.6 |
| 47.5° | 1031.1 | 1033.3 | 1024.1 | 1023.6 | 1021.9 | 1023.6 | 1014.4 | 1012.7 | 1019.7 | 1016.6 | 1030.6 |
| 50° | 1170.1 | 1174.0 | 1166.2 | 1177.1 | 1175.8 | 1181.1 | 1168.3 | 1159.1 | 1159.1 | 1150.8 | 1158.7 |
| 52.5° | 1325.8 | 1333.7 | 1337.6 | 1356.1 | 1370.1 | 1383.2 | 1362.2 | 1347.7 | 1326.7 | 1309.6 | 1331.1 |
| 55° | 1495.5 | 1493.3 | 1518.3 | 1558.7 | 1599.9 | 1631.0 | 1589.8 | 1544.2 | 1510.0 | 1474.5 | 1482.8 |
| 57.5° | 1644.2 | 1651.6 | 1684.5 | 1758.2 | 1839.8 | 1905.6 | 1831.5 | 1743.7 | 1666.1 | 1615.2 | 1622.3 |
| 60° | 1767.9 | 1774.0 | 1817.9 | 1924.0 | 2066.5 | 2157.3 | 2039.8 | 1895.0 | 1782.3 | 1712.2 | 1719.6 |
| 62.5° | 1881.9 | 1887.6 | 1931.9 | 2049.0 | 2228.8 | 2347.2 | 2195.5 | 1997.7 | 1872.2 | 1801.6 | 1806.0 |
| 65° | 1947.7 | 1951.2 | 2011.7 | 2134.9 | 2324.4 | 2446.8 | 2275.7 | 2071.8 | 1948.6 | 1876.6 | 1879.3 |
| 67.5° | 1827.9 | 1833.7 | 1961.3 | 2131.4 | 2342.8 | 2448.5 | 2279.2 | 2074.0 | 1935.4 | 1841.5 | 1843.7 |
| 70° | 1442.0 | 1437.2 | 1589.4 | 1881.9 | 2237.1 | 2374.8 | 2177.9 | 1918.3 | 1704.3 | 1573.1 | 1570.9 |
| 72.5° | 1099.5 | 1100.8 | 1185.4 | 1385.9 | 1824.0 | 2191.5 | 1921.8 | 1544.6 | 1313.9 | 1214.4 | 1210.4 |
| 75° | 797.3 | 809.6 | 878.5 | 1025.4 | 1275.8 | 1638.0 | 1446.8 | 1144.7 | 990.3 | 930.6 | 921.9 |
| 77.5° | 359.2 | 375.0 | 471.0 | 643.8 | 853.0 | 905.2 | 908.7 | 777.1 | 586.4 | 487.2 | 471.9 |
| 80° | 104.8 | 112.3 | 144.3 | 246.9 | 397.3 | 513.6 | 407.9 | 343.0 | 213.6 | 167.5 | 159.6 |
| 82.5° | 44.3 | 50.4 | 61.8 | 68.4 | 115.3 | 238.1 | 148.2 | 94.3 | 87.7 | 71.0 | 64.9 |
| 85° | 18.9 | 20.2 | 25.9 | 27.6 | 37.3 | 50.9 | 46.9 | 42.5 | 40.8 | 31.6 | 28.9 |
| 87.5° | 7.9 | 7.9 | 7.9 | 7.0 | 6.6 | 7.0 | 9.6 | 12.3 | 16.2 | 12.7 | 11.8 |
| 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)