

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: P632815

Luminaire Tested: GWS-SA2D-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-740-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

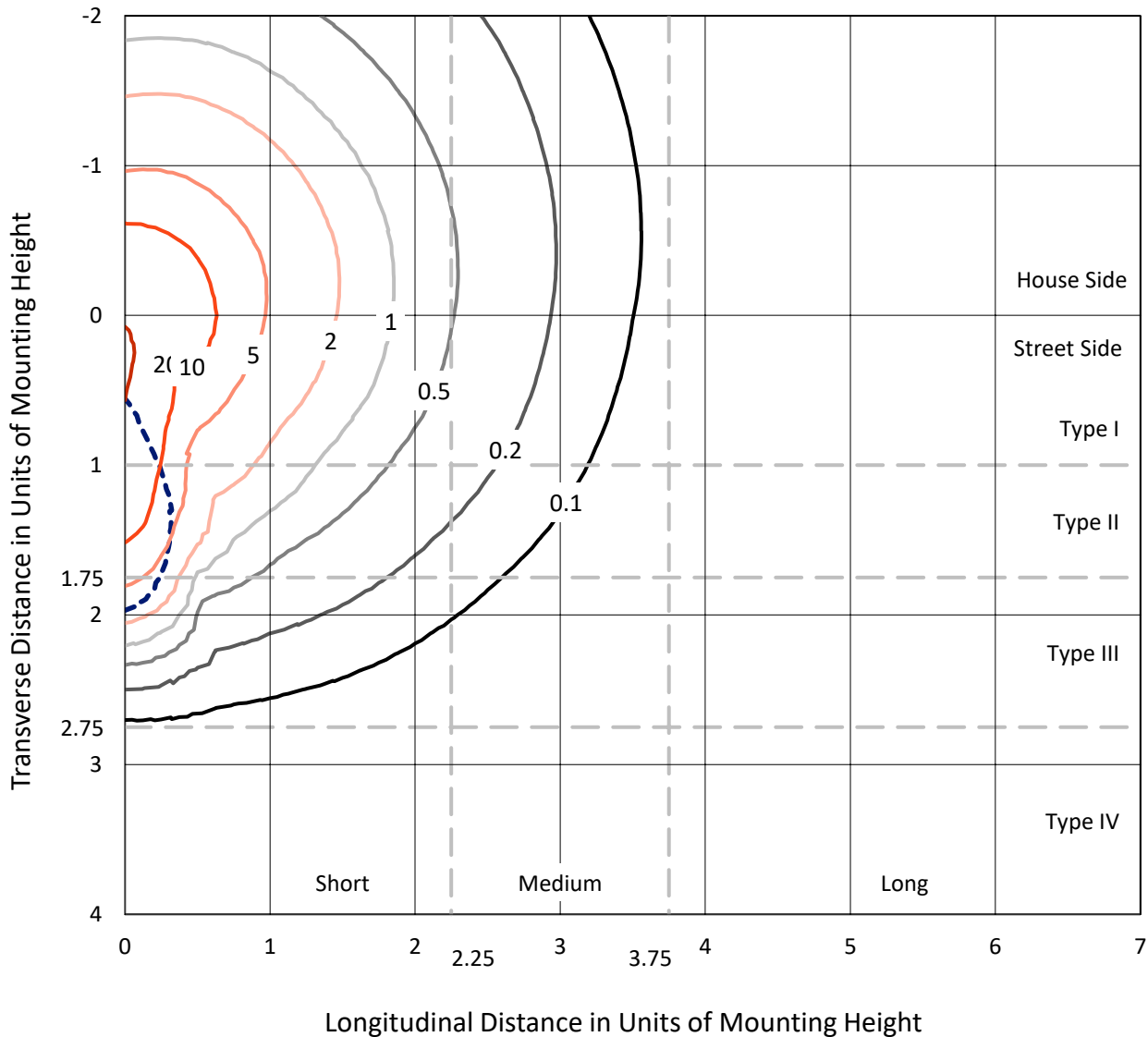
Lumens per Lamp: N/A  
Luminaire Lumens: 9088.4 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P632815  
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### Iso-Footcandle Lines of Horizontal Illumination

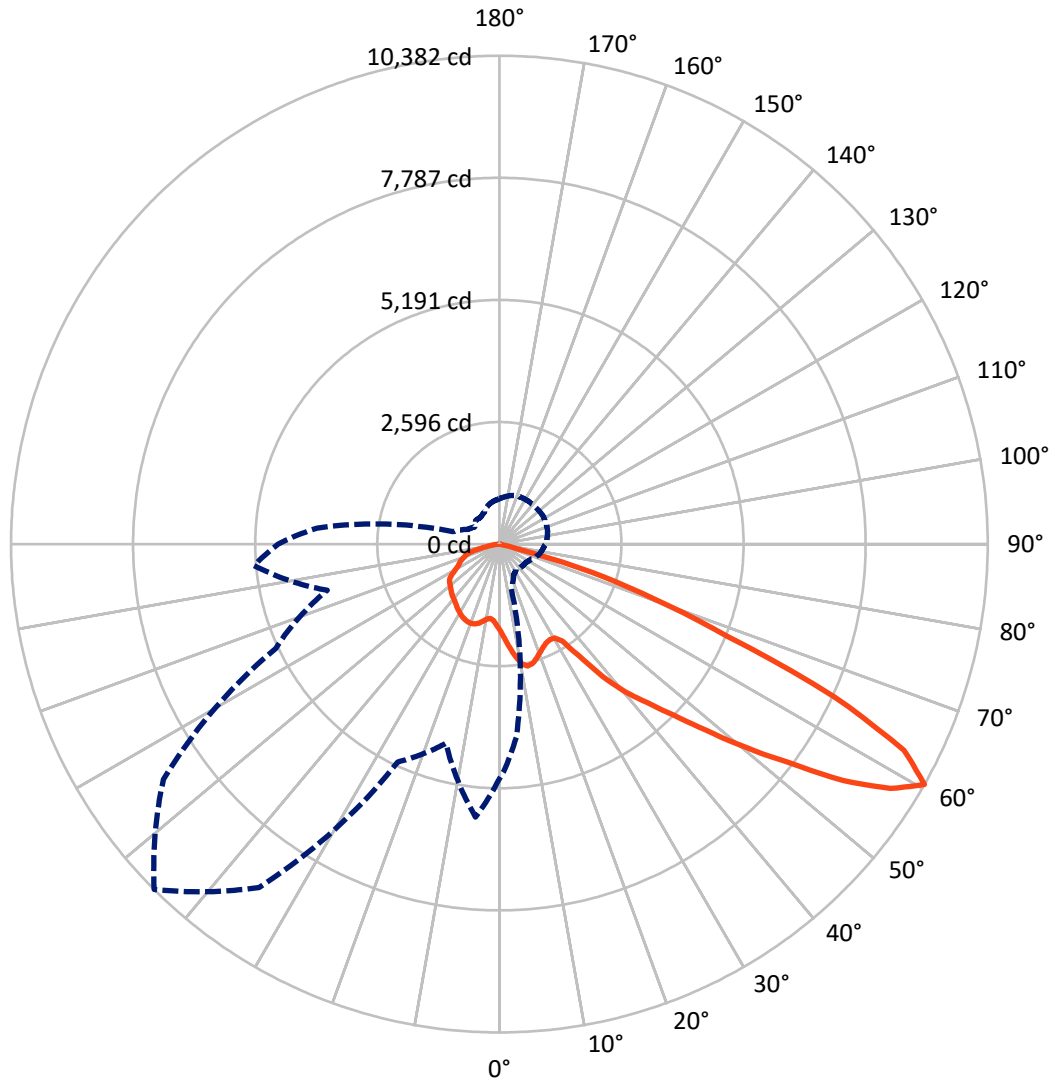
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P632815  
CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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 CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

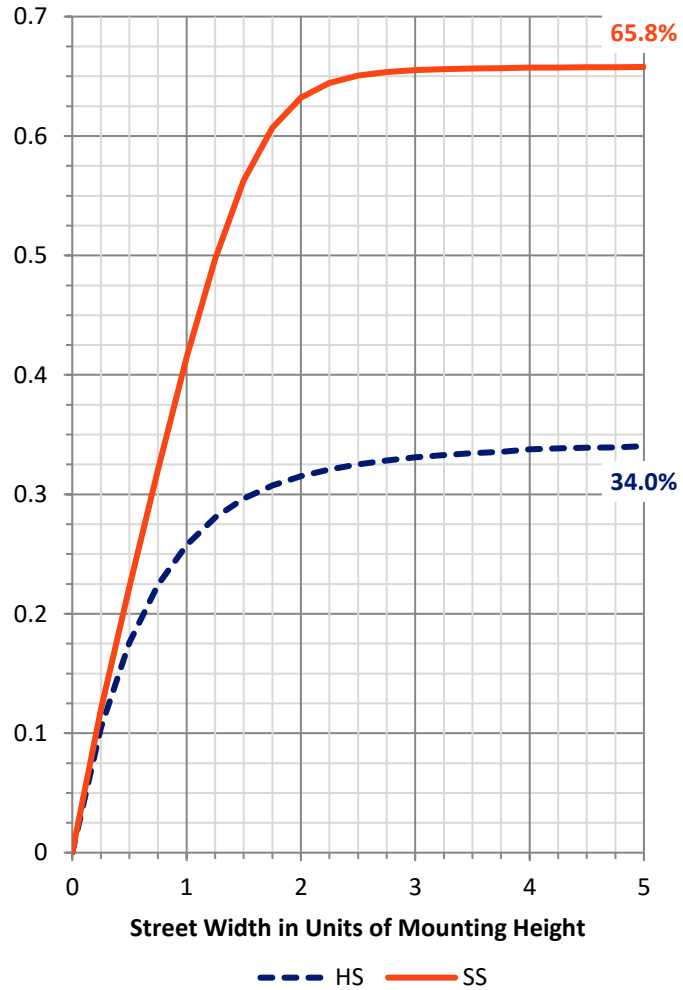
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3109.1   | 0.0    | 3109.1 |
|                    | % Fixture | 34.2     | 0.0    | 34.2   |
| <b>Street Side</b> | Lumens    | 5979.3   | 0.0    | 5979.3 |
|                    | % Fixture | 65.8     | 0.0    | 65.8   |
| <b>Total</b>       | Lumens    | 9088.4   | 0.0    | 9088.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 179.1  | 2.0       |
| 10°-20°   | 574.4  | 6.3       |
| 20°-30°   | 935.5  | 10.3      |
| 30°-40°   | 1314.2 | 14.5      |
| 40°-50°   | 1798.3 | 19.8      |
| 50°-60°   | 2307.1 | 25.4      |
| 60°-70°   | 1553.5 | 17.1      |
| 70°-80°   | 388.4  | 4.3       |
| 80°-90°   | 37.9   | 0.4       |
| 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°    | 9088.4 | 100.0     |
| 0°-180°   | 9088.4 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P632815

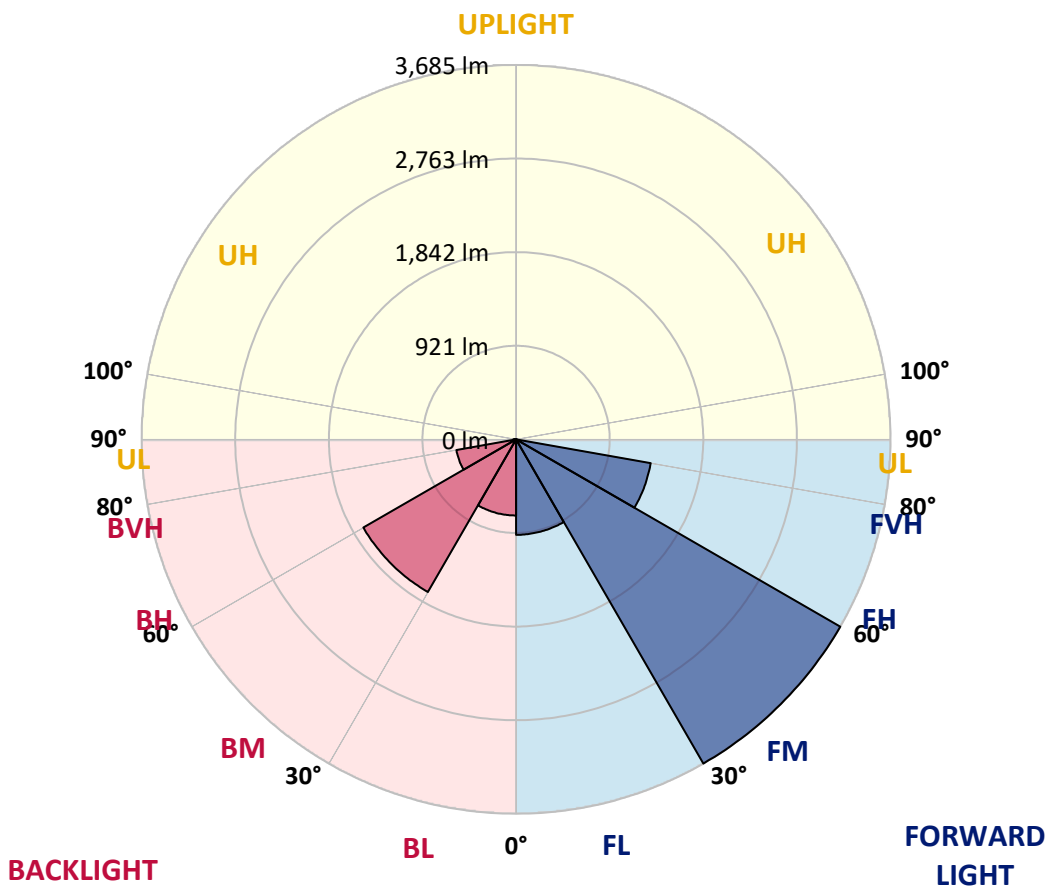
CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 939.5  | 10.3      |                         |      |         |
| FM (30°-60°)   | 3684.5 | 40.5      |                         |      |         |
| FH (60°-80°)   | 1345.5 | 14.8      |                         |      | G1/1800 |
| FVH (80°-90°)  | 9.8    | 0.1       |                         |      | G0/10   |
| BL (0°-30°)    | 749.5  | 8.2       | B2/1000                 |      |         |
| BM (30°-60°)   | 1735.1 | 19.1      | B2/2500                 |      |         |
| BH (60°-80°)   | 596.5  | 6.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 28.0   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short





REPORT NUMBER: P632815

CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 |
| 2.5°  | 1939.3 | 1935.1 | 1931.0 | 1898.3 | 1889.9 | 1866.5 | 1849.8 | 1828.8 | 1798.7 | 1782.0 | 1767.7 |
| 5°    | 2060.7 | 2054.0 | 2031.4 | 1964.4 | 1920.9 | 1873.2 | 1833.9 | 1790.3 | 1744.3 | 1714.2 | 1690.7 |
| 7.5°  | 2175.4 | 2173.7 | 2135.2 | 2024.7 | 1954.4 | 1885.8 | 1832.2 | 1768.6 | 1702.5 | 1657.3 | 1627.1 |
| 10°   | 2281.7 | 2269.1 | 2223.1 | 2079.1 | 1987.0 | 1908.4 | 1850.6 | 1780.3 | 1703.3 | 1642.2 | 1602.0 |
| 12.5° | 2375.4 | 2359.5 | 2295.9 | 2129.3 | 2015.5 | 1918.4 | 1855.6 | 1797.9 | 1746.8 | 1695.8 | 1649.7 |
| 15°   | 2452.4 | 2433.2 | 2368.7 | 2176.2 | 2040.6 | 1912.5 | 1824.7 | 1779.5 | 1797.0 | 1819.6 | 1768.6 |
| 17.5° | 2524.4 | 2504.3 | 2425.6 | 2210.5 | 2048.1 | 1876.6 | 1748.5 | 1729.2 | 1818.0 | 1920.9 | 1897.5 |
| 20°   | 2584.7 | 2562.1 | 2470.8 | 2227.3 | 2034.8 | 1807.9 | 1649.7 | 1683.2 | 1800.4 | 1923.4 | 1961.1 |
| 22.5° | 2649.9 | 2631.5 | 2521.9 | 2251.5 | 2018.0 | 1713.3 | 1566.9 | 1648.9 | 1770.3 | 1878.2 | 1935.1 |
| 25°   | 2754.6 | 2732.0 | 2601.4 | 2294.2 | 2009.6 | 1624.6 | 1507.4 | 1615.4 | 1728.4 | 1826.3 | 1870.7 |
| 27.5° | 2906.1 | 2864.2 | 2710.2 | 2368.7 | 2018.8 | 1540.9 | 1469.8 | 1574.4 | 1679.9 | 1763.6 | 1799.6 |
| 30°   | 3071.0 | 3020.7 | 2830.7 | 2445.7 | 2032.2 | 1489.9 | 1449.7 | 1527.5 | 1605.4 | 1689.1 | 1728.4 |
| 32.5° | 3266.0 | 3221.6 | 2959.6 | 2503.5 | 2003.8 | 1466.4 | 1434.6 | 1476.5 | 1538.4 | 1605.4 | 1638.0 |
| 35°   | 3498.7 | 3419.2 | 3100.3 | 2550.3 | 1911.7 | 1432.1 | 1421.2 | 1420.4 | 1453.0 | 1518.3 | 1555.1 |
| 37.5° | 3748.9 | 3663.6 | 3273.5 | 2600.6 | 1768.6 | 1377.7 | 1389.4 | 1354.3 | 1384.4 | 1436.3 | 1478.1 |
| 40°   | 3954.0 | 3864.4 | 3448.4 | 2669.2 | 1589.5 | 1292.3 | 1319.1 | 1281.4 | 1299.9 | 1353.4 | 1400.3 |
| 42.5° | 4154.9 | 4059.5 | 3611.7 | 2747.0 | 1416.2 | 1208.6 | 1222.0 | 1207.8 | 1213.7 | 1269.7 | 1335.0 |
| 45°   | 4418.5 | 4311.4 | 3812.5 | 2802.3 | 1260.5 | 1142.5 | 1130.0 | 1105.7 | 1136.6 | 1209.5 | 1278.9 |
| 47.5° | 4858.8 | 4730.7 | 4141.5 | 2838.3 | 1147.5 | 1104.8 | 1047.1 | 1032.9 | 1071.4 | 1152.6 | 1224.5 |
| 50°   | 5373.6 | 5263.1 | 4667.1 | 2836.6 | 1063.0 | 1073.0 | 966.7  | 954.2  | 1017.8 | 1099.8 | 1176.0 |
| 52.5° | 5795.4 | 5683.2 | 5116.6 | 2752.9 | 993.5  | 1005.2 | 919.9  | 884.7  | 971.8  | 1047.9 | 1124.1 |
| 55°   | 6136.1 | 6009.7 | 5323.3 | 2403.0 | 905.6  | 897.3  | 868.8  | 804.4  | 914.0  | 996.0  | 1067.2 |
| 57.5° | 5952.8 | 5802.1 | 5073.1 | 1827.2 | 815.2  | 762.5  | 780.9  | 733.2  | 835.3  | 938.3  | 1006.9 |
| 60°   | 4991.0 | 4855.4 | 4121.4 | 972.6  | 717.3  | 637.0  | 675.5  | 683.0  | 749.1  | 868.8  | 939.1  |
| 62.5° | 3428.4 | 3329.6 | 2793.1 | 590.1  | 565.8  | 511.4  | 571.7  | 626.1  | 675.5  | 776.7  | 837.8  |
| 65°   | 1677.4 | 1648.1 | 1397.0 | 378.3  | 395.9  | 413.5  | 473.7  | 539.9  | 612.7  | 701.4  | 765.9  |
| 67.5° | 462.0  | 465.4  | 423.5  | 295.5  | 312.2  | 360.7  | 408.5  | 461.2  | 534.0  | 616.0  | 681.3  |
| 70°   | 203.4  | 206.7  | 213.4  | 227.7  | 259.5  | 303.8  | 353.2  | 407.6  | 474.6  | 543.2  | 606.0  |
| 72.5° | 141.5  | 144.8  | 154.8  | 173.3  | 201.7  | 243.6  | 290.4  | 342.3  | 411.8  | 469.6  | 521.5  |
| 75°   | 87.0   | 89.6   | 98.8   | 114.7  | 133.9  | 165.7  | 211.8  | 259.5  | 320.6  | 373.3  | 419.3  |
| 77.5° | 46.0   | 44.4   | 50.2   | 61.1   | 77.8   | 94.6   | 125.6  | 155.7  | 199.2  | 241.9  | 280.4  |
| 80°   | 25.1   | 24.3   | 27.6   | 33.5   | 38.5   | 51.9   | 72.8   | 92.9   | 118.0  | 142.3  | 163.2  |
| 82.5° | 10.9   | 10.0   | 10.9   | 14.2   | 17.6   | 25.1   | 36.8   | 51.1   | 65.3   | 82.0   | 95.4   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.8    | 4.2    | 6.7    | 12.6   | 18.4   | 26.8   | 36.8   | 45.2   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.3    | 7.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P632815

CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 |
| 2.5°  | 1759.4 | 1738.5 | 1736.8 | 1720.0 | 1721.7 | 1722.5 | 1705.8 | 1699.1 | 1705.0 | 1711.7 | 1708.3 |
| 5°    | 1682.4 | 1660.6 | 1651.4 | 1635.5 | 1633.8 | 1626.3 | 1619.6 | 1611.2 | 1617.1 | 1622.9 | 1626.3 |
| 7.5°  | 1615.4 | 1601.2 | 1595.3 | 1591.1 | 1592.8 | 1589.5 | 1576.1 | 1568.5 | 1567.7 | 1570.2 | 1573.6 |
| 10°   | 1593.7 | 1581.9 | 1589.5 | 1601.2 | 1609.6 | 1615.4 | 1601.2 | 1588.6 | 1576.9 | 1571.9 | 1571.9 |
| 12.5° | 1640.5 | 1625.5 | 1640.5 | 1653.1 | 1669.8 | 1674.0 | 1658.1 | 1644.7 | 1640.5 | 1645.5 | 1655.6 |
| 15°   | 1744.3 | 1709.2 | 1708.3 | 1715.9 | 1729.2 | 1735.9 | 1720.9 | 1714.2 | 1714.2 | 1746.0 | 1771.1 |
| 17.5° | 1848.1 | 1790.3 | 1766.1 | 1761.9 | 1770.3 | 1772.8 | 1760.2 | 1754.4 | 1769.4 | 1831.4 | 1878.2 |
| 20°   | 1920.9 | 1850.6 | 1797.9 | 1787.8 | 1790.3 | 1791.2 | 1781.1 | 1777.0 | 1798.7 | 1874.0 | 1913.4 |
| 22.5° | 1913.4 | 1861.5 | 1797.0 | 1784.5 | 1788.7 | 1787.0 | 1777.8 | 1776.1 | 1793.7 | 1859.0 | 1877.4 |
| 25°   | 1861.5 | 1821.3 | 1766.9 | 1758.5 | 1765.2 | 1764.4 | 1755.2 | 1751.0 | 1758.5 | 1802.1 | 1803.7 |
| 27.5° | 1802.1 | 1766.9 | 1720.0 | 1717.5 | 1728.4 | 1734.3 | 1718.4 | 1705.8 | 1703.3 | 1732.6 | 1725.9 |
| 30°   | 1730.9 | 1705.0 | 1667.3 | 1669.0 | 1689.1 | 1692.4 | 1673.2 | 1654.8 | 1649.7 | 1665.6 | 1656.4 |
| 32.5° | 1646.4 | 1638.0 | 1617.9 | 1622.1 | 1641.4 | 1648.1 | 1628.0 | 1608.7 | 1602.9 | 1607.9 | 1588.6 |
| 35°   | 1574.4 | 1571.1 | 1572.7 | 1580.3 | 1597.0 | 1602.0 | 1585.3 | 1570.2 | 1561.8 | 1544.3 | 1519.2 |
| 37.5° | 1499.9 | 1509.1 | 1533.4 | 1547.6 | 1556.8 | 1555.1 | 1545.9 | 1535.1 | 1521.7 | 1489.0 | 1458.1 |
| 40°   | 1430.4 | 1453.9 | 1497.4 | 1513.3 | 1516.6 | 1517.5 | 1510.8 | 1501.6 | 1484.8 | 1441.3 | 1406.2 |
| 42.5° | 1376.9 | 1402.8 | 1460.6 | 1484.8 | 1486.5 | 1488.2 | 1481.5 | 1474.0 | 1450.5 | 1392.8 | 1358.5 |
| 45°   | 1320.8 | 1355.1 | 1422.9 | 1452.2 | 1450.5 | 1449.7 | 1443.8 | 1440.5 | 1412.9 | 1345.9 | 1308.2 |
| 47.5° | 1273.1 | 1313.3 | 1386.1 | 1411.2 | 1410.3 | 1409.5 | 1405.3 | 1405.3 | 1377.7 | 1304.9 | 1262.2 |
| 50°   | 1226.2 | 1272.2 | 1348.4 | 1369.3 | 1371.0 | 1369.3 | 1367.7 | 1370.2 | 1337.5 | 1259.7 | 1217.8 |
| 52.5° | 1175.2 | 1227.0 | 1306.6 | 1325.8 | 1335.9 | 1340.0 | 1340.0 | 1334.2 | 1295.7 | 1214.5 | 1168.5 |
| 55°   | 1119.1 | 1168.5 | 1260.5 | 1286.5 | 1294.8 | 1302.4 | 1302.4 | 1290.7 | 1254.7 | 1172.6 | 1123.3 |
| 57.5° | 1049.6 | 1093.1 | 1165.9 | 1191.9 | 1212.0 | 1217.0 | 1217.0 | 1197.7 | 1168.5 | 1089.8 | 1049.6 |
| 60°   | 974.3  | 1011.9 | 1061.3 | 1088.9 | 1104.0 | 1094.0 | 1101.5 | 1096.5 | 1073.0 | 1000.2 | 966.7  |
| 62.5° | 873.8  | 912.3  | 966.7  | 995.2  | 1001.9 | 991.8  | 1001.9 | 1001.1 | 969.2  | 904.0  | 863.8  |
| 65°   | 801.8  | 839.5  | 893.1  | 929.9  | 940.8  | 938.3  | 945.0  | 934.9  | 895.6  | 833.7  | 795.2  |
| 67.5° | 716.5  | 756.6  | 818.6  | 859.6  | 882.2  | 884.7  | 893.9  | 873.0  | 832.8  | 765.0  | 716.5  |
| 70°   | 635.3  | 669.6  | 717.3  | 755.8  | 787.6  | 803.5  | 805.2  | 775.1  | 724.8  | 668.8  | 633.6  |
| 72.5° | 549.9  | 585.1  | 642.8  | 684.7  | 724.8  | 743.3  | 743.3  | 706.4  | 652.0  | 590.1  | 552.4  |
| 75°   | 446.1  | 478.8  | 531.5  | 576.7  | 622.7  | 646.2  | 645.3  | 613.5  | 553.3  | 494.7  | 455.3  |
| 77.5° | 302.2  | 326.4  | 359.9  | 394.2  | 400.9  | 419.3  | 428.5  | 388.4  | 354.9  | 323.1  | 287.9  |
| 80°   | 175.8  | 190.8  | 209.3  | 228.5  | 232.7  | 238.5  | 223.5  | 208.4  | 190.8  | 169.9  | 154.0  |
| 82.5° | 103.0  | 113.0  | 122.2  | 137.3  | 139.8  | 141.5  | 128.1  | 121.4  | 107.1  | 94.6   | 84.5   |
| 85°   | 50.2   | 53.6   | 61.9   | 69.5   | 66.1   | 64.4   | 58.6   | 51.9   | 46.0   | 41.0   | 36.0   |
| 87.5° | 10.0   | 10.0   | 15.1   | 14.2   | 11.7   | 10.0   | 5.9    | 7.5    | 1.7    | 1.7    | 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    |





REPORT NUMBER: P632815

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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 |
| 2.5°  | 1719.2 | 1733.4 | 1751.0 | 1774.4 | 1801.2 | 1829.7 | 1857.3 | 1878.2 | 1899.2 | 1930.1 | 1925.1 |
| 5°    | 1631.3 | 1655.6 | 1683.2 | 1719.2 | 1762.7 | 1812.1 | 1867.4 | 1922.6 | 1982.0 | 2032.2 | 2054.0 |
| 7.5°  | 1580.3 | 1607.0 | 1639.7 | 1686.6 | 1742.6 | 1802.9 | 1880.7 | 1970.3 | 2066.6 | 2132.7 | 2173.7 |
| 10°   | 1580.3 | 1614.6 | 1657.3 | 1702.5 | 1751.8 | 1813.8 | 1910.0 | 2022.2 | 2146.1 | 2233.1 | 2280.8 |
| 12.5° | 1671.5 | 1705.8 | 1715.0 | 1713.3 | 1741.0 | 1809.6 | 1933.5 | 2076.6 | 2224.8 | 2316.8 | 2375.4 |
| 15°   | 1813.8 | 1825.5 | 1756.0 | 1692.4 | 1696.6 | 1779.5 | 1944.4 | 2120.1 | 2292.5 | 2403.0 | 2466.6 |
| 17.5° | 1909.2 | 1878.2 | 1754.4 | 1643.0 | 1619.6 | 1728.4 | 1944.4 | 2162.0 | 2364.5 | 2489.2 | 2548.7 |
| 20°   | 1916.7 | 1839.7 | 1711.7 | 1595.3 | 1535.1 | 1660.6 | 1931.0 | 2193.8 | 2434.0 | 2572.1 | 2635.7 |
| 22.5° | 1850.6 | 1774.4 | 1666.5 | 1554.3 | 1465.6 | 1578.6 | 1909.2 | 2218.1 | 2493.4 | 2649.9 | 2728.6 |
| 25°   | 1775.3 | 1711.7 | 1620.4 | 1512.5 | 1417.9 | 1495.7 | 1889.1 | 2259.1 | 2576.3 | 2755.4 | 2834.9 |
| 27.5° | 1701.6 | 1648.1 | 1565.2 | 1477.3 | 1391.1 | 1423.7 | 1876.6 | 2319.3 | 2675.1 | 2905.2 | 2973.9 |
| 30°   | 1629.6 | 1581.1 | 1505.8 | 1443.8 | 1376.9 | 1376.9 | 1865.7 | 2388.8 | 2805.6 | 3073.5 | 3142.1 |
| 32.5° | 1556.8 | 1510.8 | 1449.7 | 1411.2 | 1368.5 | 1358.5 | 1835.5 | 2454.1 | 2940.4 | 3257.6 | 3327.9 |
| 35°   | 1489.0 | 1443.0 | 1396.1 | 1380.2 | 1364.3 | 1344.2 | 1761.1 | 2505.1 | 3071.8 | 3472.7 | 3533.0 |
| 37.5° | 1425.4 | 1381.1 | 1345.9 | 1341.7 | 1343.4 | 1305.7 | 1643.9 | 2547.8 | 3235.8 | 3692.9 | 3724.7 |
| 40°   | 1370.2 | 1320.8 | 1293.2 | 1292.3 | 1300.7 | 1243.8 | 1495.7 | 2608.9 | 3423.3 | 3879.5 | 3866.1 |
| 42.5° | 1320.8 | 1268.9 | 1235.4 | 1242.9 | 1237.9 | 1181.8 | 1350.9 | 2665.0 | 3586.6 | 4054.4 | 4027.7 |
| 45°   | 1272.2 | 1222.0 | 1175.2 | 1186.0 | 1180.2 | 1143.3 | 1227.9 | 2706.0 | 3767.3 | 4264.5 | 4267.9 |
| 47.5° | 1225.4 | 1176.0 | 1129.1 | 1115.7 | 1114.9 | 1131.6 | 1133.3 | 2719.4 | 4062.0 | 4602.7 | 4526.5 |
| 50°   | 1181.8 | 1132.5 | 1083.9 | 1038.7 | 1056.3 | 1108.2 | 1063.0 | 2709.4 | 4503.1 | 4976.0 | 4763.4 |
| 52.5° | 1136.6 | 1089.8 | 1036.2 | 955.0  | 1001.1 | 1052.1 | 1000.2 | 2673.4 | 4772.6 | 5305.8 | 5178.5 |
| 55°   | 1084.8 | 1040.4 | 967.6  | 868.8  | 924.9  | 935.8  | 935.8  | 2325.2 | 4887.3 | 5632.2 | 5710.9 |
| 57.5° | 1015.3 | 956.7  | 841.2  | 761.7  | 811.9  | 770.0  | 867.1  | 1627.1 | 4698.1 | 5529.2 | 5834.7 |
| 60°   | 936.6  | 873.8  | 751.6  | 694.7  | 709.8  | 636.1  | 739.1  | 1020.3 | 3893.7 | 4704.8 | 5233.8 |
| 62.5° | 832.8  | 775.1  | 673.8  | 629.4  | 598.5  | 518.9  | 595.1  | 645.3  | 2669.2 | 3493.6 | 3854.4 |
| 65°   | 763.3  | 699.7  | 609.3  | 550.7  | 487.1  | 417.7  | 395.1  | 423.5  | 1435.5 | 1955.2 | 2198.8 |
| 67.5° | 681.3  | 618.5  | 533.2  | 459.5  | 408.5  | 358.2  | 318.9  | 308.9  | 492.2  | 651.2  | 704.8  |
| 70°   | 603.5  | 543.2  | 472.1  | 403.4  | 352.4  | 303.0  | 264.5  | 236.9  | 227.7  | 226.0  | 222.6  |
| 72.5° | 524.0  | 467.9  | 408.5  | 344.8  | 288.8  | 243.6  | 209.3  | 177.4  | 164.1  | 159.9  | 155.7  |
| 75°   | 429.4  | 385.0  | 325.6  | 257.0  | 211.8  | 169.9  | 143.1  | 122.2  | 110.5  | 106.3  | 101.3  |
| 77.5° | 276.2  | 256.1  | 204.2  | 165.7  | 128.1  | 101.3  | 87.0   | 73.7   | 66.1   | 64.4   | 60.3   |
| 80°   | 147.3  | 137.3  | 113.0  | 95.4   | 76.2   | 61.9   | 54.4   | 46.9   | 42.7   | 41.0   | 39.3   |
| 82.5° | 82.0   | 74.5   | 62.8   | 55.2   | 44.4   | 37.7   | 33.5   | 30.1   | 27.6   | 26.8   | 25.9   |
| 85°   | 36.8   | 31.8   | 25.1   | 23.4   | 20.9   | 19.3   | 18.4   | 16.7   | 15.9   | 15.1   | 14.2   |
| 87.5° | 1.7    | 3.3    | 4.2    | 3.3    | 3.3    | 5.0    | 5.9    | 5.9    | 5.0    | 5.0    | 4.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P632815

CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°    | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 1833.0 | 1833.0 | 1833.0 | 1833.0  | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 | 1833.0 |
| 2.5°  | 1956.1 | 1981.2 | 1983.7 | 1992.1  | 1981.2 | 1978.7 | 1961.1 | 1951.1 | 1941.8 | 1939.3 |
| 5°    | 2108.4 | 2158.6 | 2178.7 | 2192.9  | 2179.6 | 2172.9 | 2134.4 | 2094.2 | 2071.6 | 2060.7 |
| 7.5°  | 2264.9 | 2340.3 | 2379.6 | 2397.2  | 2398.8 | 2368.7 | 2302.6 | 2227.3 | 2189.6 | 2175.4 |
| 10°   | 2404.7 | 2497.6 | 2549.5 | 2583.0  | 2571.3 | 2534.4 | 2444.0 | 2341.9 | 2294.2 | 2281.7 |
| 12.5° | 2508.5 | 2597.2 | 2637.4 | 2659.2  | 2658.3 | 2638.2 | 2552.9 | 2442.4 | 2388.0 | 2375.4 |
| 15°   | 2575.5 | 2628.2 | 2630.7 | 2635.7  | 2649.9 | 2676.7 | 2632.4 | 2530.3 | 2470.0 | 2452.4 |
| 17.5° | 2628.2 | 2607.3 | 2567.9 | 2554.5  | 2586.3 | 2660.8 | 2687.6 | 2604.7 | 2539.5 | 2524.4 |
| 20°   | 2661.7 | 2556.2 | 2486.7 | 2460.8  | 2497.6 | 2619.0 | 2721.1 | 2671.7 | 2603.9 | 2584.7 |
| 22.5° | 2687.6 | 2508.5 | 2396.3 | 2378.8  | 2417.3 | 2573.8 | 2755.4 | 2751.2 | 2676.7 | 2649.9 |
| 25°   | 2728.6 | 2476.7 | 2332.7 | 2320.2  | 2356.2 | 2552.0 | 2801.4 | 2859.2 | 2793.1 | 2754.6 |
| 27.5° | 2793.1 | 2473.3 | 2300.1 | 2295.9  | 2345.3 | 2571.3 | 2867.6 | 3017.4 | 2934.5 | 2906.1 |
| 30°   | 2882.6 | 2505.1 | 2307.6 | 2316.0  | 2376.2 | 2640.7 | 2970.5 | 3198.2 | 3115.3 | 3071.0 |
| 32.5° | 3011.5 | 2590.5 | 2422.3 | 2458.3  | 2502.6 | 2752.1 | 3121.2 | 3394.0 | 3331.3 | 3266.0 |
| 35°   | 3181.4 | 2824.9 | 2761.3 | 2914.4  | 2872.6 | 2995.6 | 3302.8 | 3631.8 | 3555.6 | 3498.7 |
| 37.5° | 3408.3 | 3305.3 | 3363.9 | 3574.8  | 3473.6 | 3456.0 | 3524.6 | 3847.7 | 3805.8 | 3748.9 |
| 40°   | 3726.3 | 3747.3 | 3855.2 | 4132.3  | 3985.8 | 3872.8 | 3796.6 | 4010.1 | 4024.3 | 3954.0 |
| 42.5° | 3937.3 | 4033.5 | 4293.8 | 4608.5  | 4406.8 | 4136.5 | 4024.3 | 4217.7 | 4218.5 | 4154.9 |
| 45°   | 4015.9 | 4267.9 | 4811.9 | 5174.3  | 4837.0 | 4287.1 | 4149.9 | 4499.7 | 4491.4 | 4418.5 |
| 47.5° | 3987.5 | 4465.4 | 5350.1 | 5904.2  | 5389.5 | 4394.3 | 4132.3 | 4901.5 | 4969.3 | 4858.8 |
| 50°   | 3928.0 | 4663.8 | 5978.7 | 6798.1  | 6067.4 | 4508.1 | 4105.5 | 5346.8 | 5458.9 | 5373.6 |
| 52.5° | 3988.3 | 4884.7 | 6722.0 | 7722.2  | 6917.8 | 4689.7 | 4286.3 | 5918.4 | 5898.4 | 5795.4 |
| 55°   | 4179.1 | 5145.9 | 7625.1 | 8883.1  | 7851.9 | 4996.9 | 4750.8 | 6463.3 | 6259.1 | 6136.1 |
| 57.5° | 4169.9 | 5332.5 | 8416.9 | 9801.3  | 8664.6 | 5248.8 | 4912.4 | 6521.1 | 6108.4 | 5952.8 |
| 60°   | 3784.9 | 5247.2 | 8718.2 | 10382.2 | 8909.9 | 5109.9 | 4380.9 | 5824.7 | 5154.3 | 4991.0 |
| 62.5° | 2824.9 | 4656.2 | 8134.0 | 9654.8  | 8216.0 | 4413.5 | 3294.4 | 4180.8 | 3703.7 | 3428.4 |
| 65°   | 1807.1 | 3642.6 | 6838.3 | 7821.8  | 6772.2 | 3375.6 | 1961.9 | 2241.5 | 1756.0 | 1677.4 |
| 67.5° | 769.2  | 2571.3 | 5315.8 | 5227.9  | 5066.4 | 2187.1 | 757.5  | 631.1  | 470.4  | 462.0  |
| 70°   | 254.4  | 1749.3 | 3276.9 | 3486.9  | 3025.8 | 1506.6 | 250.3  | 211.8  | 210.9  | 203.4  |
| 72.5° | 166.6  | 939.1  | 1844.8 | 2054.0  | 1946.9 | 867.1  | 151.5  | 141.5  | 144.8  | 141.5  |
| 75°   | 99.6   | 204.2  | 310.5  | 403.4   | 310.5  | 145.6  | 91.2   | 89.6   | 91.2   | 87.0   |
| 77.5° | 58.6   | 56.9   | 55.2   | 55.2    | 54.4   | 50.2   | 46.0   | 44.4   | 45.2   | 46.0   |
| 80°   | 37.7   | 36.0   | 34.3   | 33.5    | 29.3   | 27.6   | 25.9   | 24.3   | 24.3   | 25.1   |
| 82.5° | 24.3   | 22.6   | 20.9   | 18.4    | 15.1   | 12.6   | 11.7   | 10.0   | 10.0   | 10.9   |
| 85°   | 12.6   | 10.0   | 7.5    | 5.9     | 3.3    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 2.5    | 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    |

(END OF REPORT)