

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: P630275

Luminaire Tested: GWS-SA1D-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5093.8 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

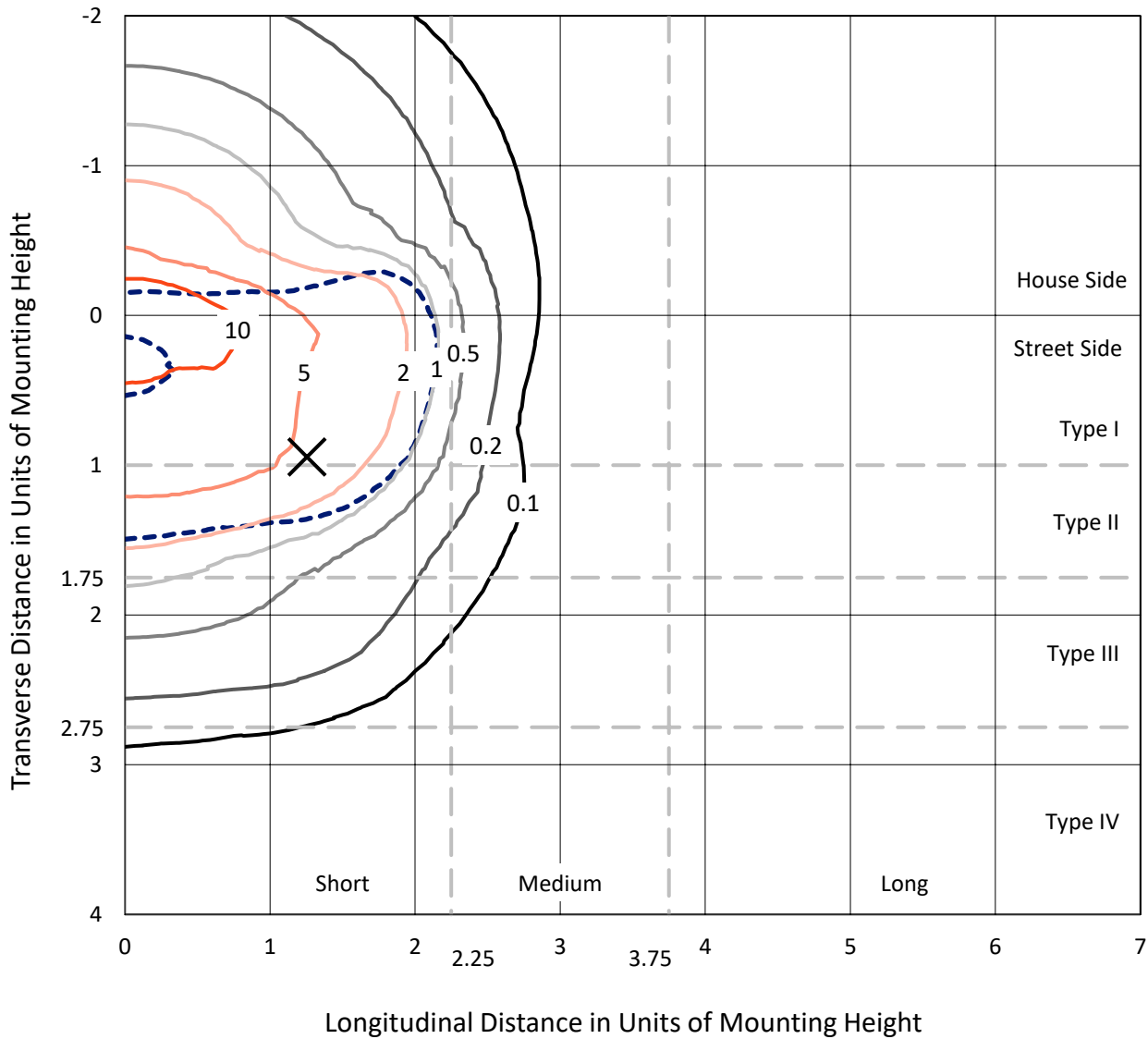
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630275
 CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

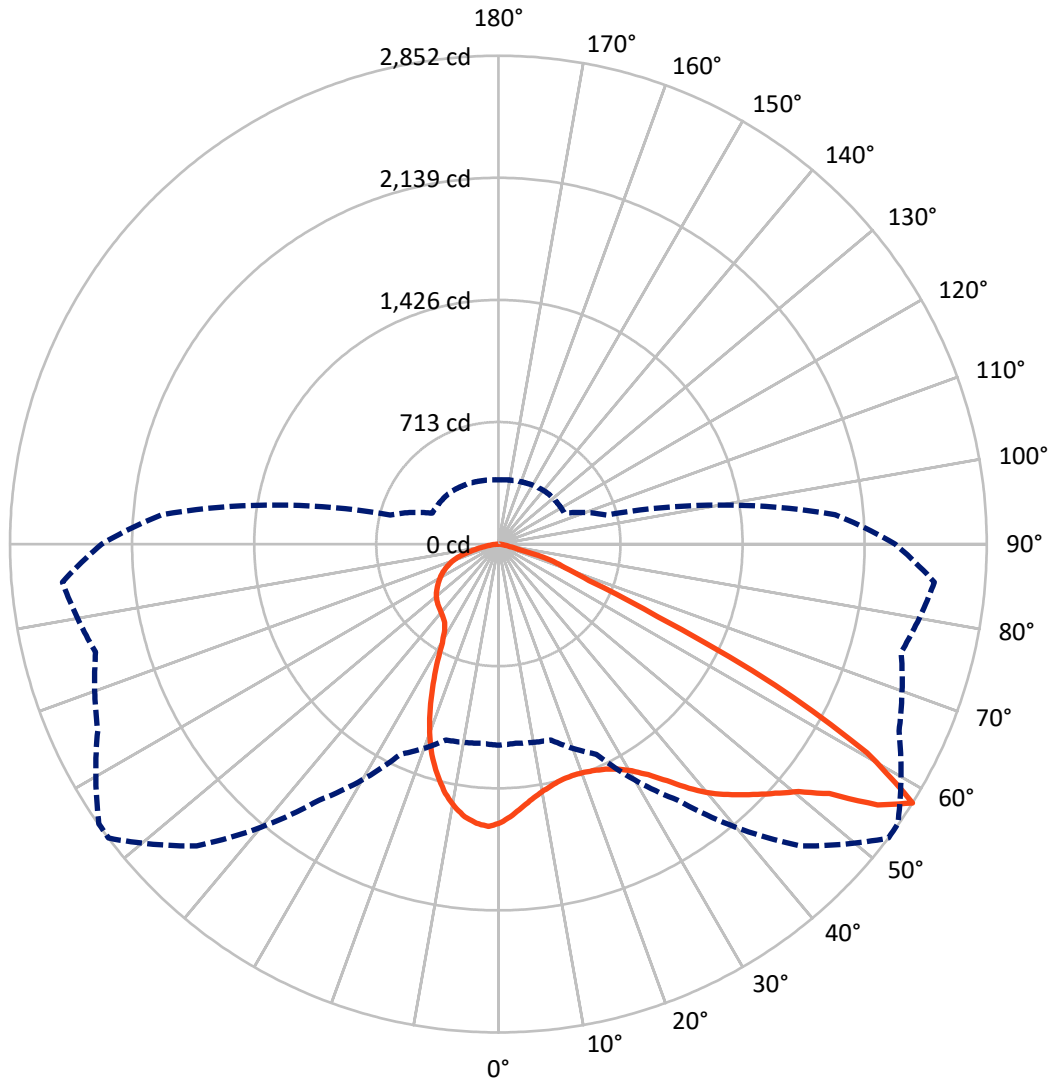
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630275
CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630275

CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

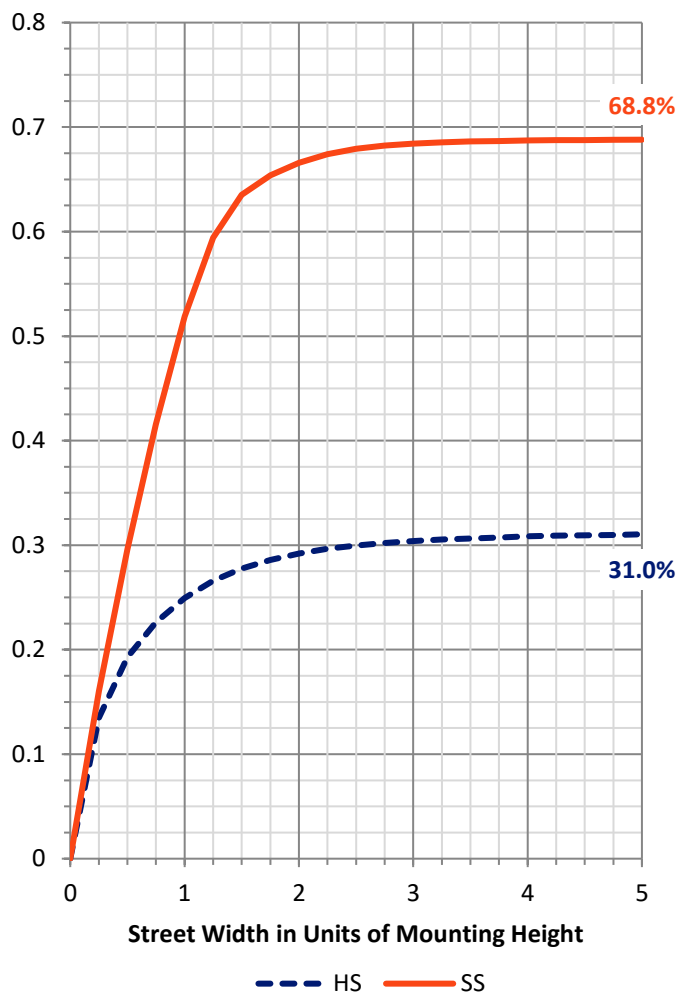
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1592.6 | 0.0 | 1592.6 |
| | % Fixture | 31.3 | 0.0 | 31.3 |
| Street Side | Lumens | 3501.2 | 0.0 | 3501.2 |
| | % Fixture | 68.7 | 0.0 | 68.7 |
| Total | Lumens | 5093.8 | 0.0 | 5093.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.1 | 2.9 |
| 10°-20° | 385.9 | 7.6 |
| 20°-30° | 568.6 | 11.2 |
| 30°-40° | 795.8 | 15.6 |
| 40°-50° | 1046.2 | 20.5 |
| 50°-60° | 1226.7 | 24.1 |
| 60°-70° | 722.6 | 14.2 |
| 70°-80° | 179.8 | 3.5 |
| 80°-90° | 21.1 | 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° | 5093.8 | 100.0 |
| 0°-180° | 5093.8 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P630275

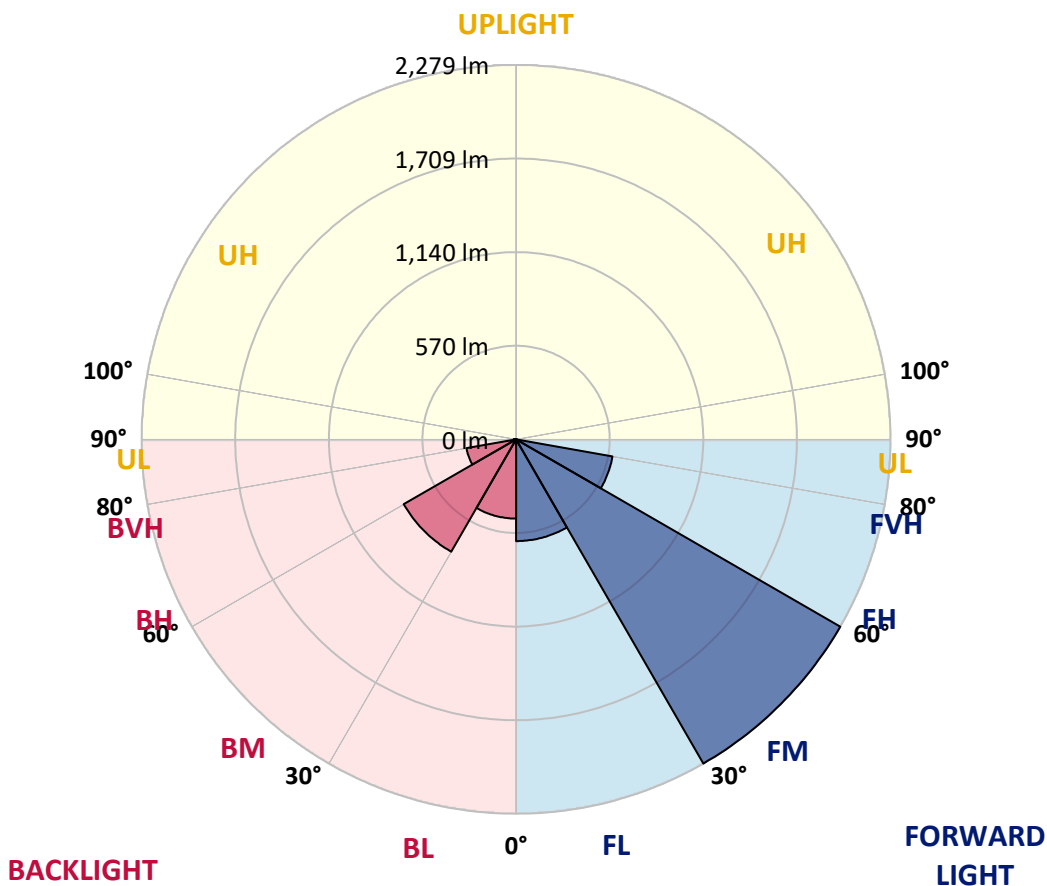
CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 619.3 | 12.2 | | | |
| FM (30°-60°) | 2279.0 | 44.7 | | | |
| FH (60°-80°) | 595.8 | 11.7 | | | G0/660 |
| FVH (80°-90°) | 7.1 | 0.1 | | | G0/10 |
| BL (0°-30°) | 482.3 | 9.5 | B1/500 | | |
| BM (30°-60°) | 789.7 | 15.5 | B1/1000 | | |
| BH (60°-80°) | 306.6 | 6.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.0 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630275

CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 |
| 2.5° | 1533.1 | 1537.4 | 1538.3 | 1551.6 | 1552.4 | 1571.7 | 1584.6 | 1582.0 | 1595.3 | 1611.6 | 1624.4 |
| 5° | 1459.8 | 1460.2 | 1464.5 | 1480.4 | 1489.0 | 1514.3 | 1535.7 | 1535.7 | 1561.4 | 1594.9 | 1623.6 |
| 7.5° | 1399.4 | 1398.9 | 1402.8 | 1420.4 | 1434.5 | 1465.0 | 1494.1 | 1497.5 | 1533.6 | 1582.4 | 1629.2 |
| 10° | 1343.2 | 1346.2 | 1350.5 | 1371.9 | 1389.9 | 1427.7 | 1462.4 | 1468.0 | 1513.4 | 1573.9 | 1636.9 |
| 12.5° | 1307.2 | 1307.6 | 1314.0 | 1338.1 | 1361.2 | 1401.5 | 1437.9 | 1444.8 | 1497.1 | 1565.7 | 1642.5 |
| 15° | 1284.0 | 1284.5 | 1291.3 | 1317.9 | 1344.9 | 1385.6 | 1422.9 | 1430.7 | 1487.7 | 1564.4 | 1653.2 |
| 17.5° | 1273.7 | 1273.3 | 1279.7 | 1306.3 | 1335.9 | 1378.4 | 1418.2 | 1427.7 | 1492.0 | 1574.3 | 1672.0 |
| 20° | 1273.7 | 1274.2 | 1277.6 | 1301.6 | 1331.6 | 1376.6 | 1422.9 | 1434.5 | 1508.7 | 1596.6 | 1701.2 |
| 22.5° | 1291.8 | 1293.5 | 1295.2 | 1311.5 | 1335.1 | 1379.2 | 1435.4 | 1450.8 | 1544.7 | 1633.9 | 1739.3 |
| 25° | 1326.9 | 1327.3 | 1329.1 | 1342.3 | 1353.1 | 1386.5 | 1456.0 | 1479.1 | 1600.9 | 1688.3 | 1787.4 |
| 27.5° | 1374.1 | 1380.1 | 1381.8 | 1390.4 | 1390.4 | 1404.5 | 1488.1 | 1521.5 | 1676.7 | 1766.8 | 1848.7 |
| 30° | 1440.1 | 1442.2 | 1445.2 | 1454.7 | 1444.4 | 1438.4 | 1535.3 | 1578.1 | 1764.6 | 1861.5 | 1922.4 |
| 32.5° | 1498.0 | 1502.7 | 1519.0 | 1534.4 | 1516.0 | 1497.1 | 1604.7 | 1655.3 | 1849.1 | 1960.1 | 2000.9 |
| 35° | 1547.3 | 1558.8 | 1590.1 | 1624.4 | 1611.6 | 1592.7 | 1696.9 | 1749.6 | 1918.6 | 2030.9 | 2070.3 |
| 37.5° | 1606.9 | 1615.9 | 1658.7 | 1714.5 | 1726.1 | 1717.0 | 1809.2 | 1847.0 | 1964.9 | 2048.9 | 2108.0 |
| 40° | 1667.3 | 1681.0 | 1736.3 | 1813.5 | 1857.7 | 1864.1 | 1913.0 | 1938.3 | 1980.7 | 2013.7 | 2100.8 |
| 42.5° | 1729.1 | 1752.6 | 1828.5 | 1918.6 | 1997.0 | 2011.6 | 2000.4 | 2011.2 | 1975.6 | 1965.3 | 2066.9 |
| 45° | 1804.5 | 1832.4 | 1918.1 | 2033.0 | 2136.3 | 2159.1 | 2086.2 | 2076.3 | 1974.7 | 1946.8 | 2045.9 |
| 47.5° | 1893.7 | 1921.6 | 2003.4 | 2137.2 | 2269.2 | 2286.0 | 2174.1 | 2156.1 | 2004.7 | 1975.1 | 2074.2 |
| 50° | 1972.6 | 1991.9 | 2065.2 | 2214.8 | 2393.2 | 2403.0 | 2271.0 | 2249.1 | 2079.3 | 2053.6 | 2162.5 |
| 52.5° | 1892.4 | 1890.3 | 1967.4 | 2151.8 | 2457.5 | 2576.2 | 2420.2 | 2399.2 | 2223.4 | 2183.9 | 2299.3 |
| 55° | 1605.6 | 1581.1 | 1650.2 | 1831.5 | 2277.8 | 2730.1 | 2687.7 | 2645.7 | 2415.4 | 2315.1 | 2427.4 |
| 57.5° | 1173.9 | 1167.0 | 1183.7 | 1353.9 | 1824.7 | 2491.8 | 2851.5 | 2847.6 | 2581.4 | 2435.2 | 2555.2 |
| 60° | 917.9 | 907.6 | 863.0 | 867.7 | 1243.7 | 1946.4 | 2474.6 | 2588.2 | 2684.3 | 2507.2 | 2644.4 |
| 62.5° | 815.0 | 807.3 | 784.1 | 720.3 | 740.8 | 1305.0 | 1813.9 | 1918.1 | 2345.6 | 2214.4 | 2271.4 |
| 65° | 674.8 | 672.7 | 692.0 | 689.4 | 620.8 | 720.7 | 1023.8 | 1128.8 | 1474.8 | 1493.3 | 1474.8 |
| 67.5° | 490.5 | 486.6 | 535.5 | 631.9 | 597.6 | 544.1 | 570.6 | 607.1 | 756.3 | 679.1 | 611.4 |
| 70° | 319.0 | 313.4 | 341.7 | 456.6 | 535.1 | 474.2 | 411.1 | 405.1 | 415.9 | 258.5 | 279.5 |
| 72.5° | 213.9 | 207.5 | 207.1 | 251.2 | 323.3 | 319.4 | 318.5 | 315.5 | 281.7 | 204.1 | 226.4 |
| 75° | 119.2 | 114.0 | 112.8 | 108.5 | 115.8 | 117.9 | 125.6 | 129.9 | 140.6 | 154.8 | 171.5 |
| 77.5° | 20.2 | 19.7 | 24.9 | 31.7 | 43.7 | 56.2 | 69.5 | 73.3 | 90.5 | 107.2 | 117.9 |
| 80° | 11.1 | 11.6 | 15.0 | 18.4 | 24.4 | 33.4 | 42.9 | 45.4 | 55.7 | 64.7 | 73.3 |
| 82.5° | 6.0 | 6.0 | 7.7 | 9.9 | 13.3 | 17.6 | 23.2 | 25.3 | 32.2 | 37.7 | 43.7 |
| 85° | 2.1 | 2.1 | 3.0 | 3.9 | 5.6 | 7.3 | 9.0 | 10.3 | 14.1 | 19.3 | 21.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 1.7 | 1.7 | 2.1 | 3.9 | 5.6 |
| 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: P630275

CATALOG NUMBER: GWS-SA1D-735-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 | 1626.6 |
| 2.5° | 1635.2 | 1623.6 | 1639.4 | 1646.7 | 1649.3 | 1651.0 | 1639.9 | 1632.2 | 1629.6 | 1621.4 | 1616.7 |
| 5° | 1641.2 | 1633.4 | 1648.5 | 1648.5 | 1637.7 | 1626.6 | 1603.9 | 1588.0 | 1576.9 | 1563.6 | 1561.4 |
| 7.5° | 1651.5 | 1645.9 | 1654.0 | 1637.3 | 1610.3 | 1580.3 | 1540.8 | 1510.0 | 1485.1 | 1468.8 | 1469.2 |
| 10° | 1665.2 | 1658.3 | 1651.9 | 1614.6 | 1565.3 | 1510.0 | 1449.5 | 1404.5 | 1363.3 | 1344.5 | 1334.2 |
| 12.5° | 1674.2 | 1664.3 | 1637.3 | 1575.6 | 1503.1 | 1428.9 | 1343.6 | 1276.7 | 1217.2 | 1190.1 | 1188.0 |
| 15° | 1685.3 | 1667.3 | 1613.3 | 1525.0 | 1424.2 | 1323.0 | 1213.3 | 1120.3 | 1039.7 | 997.6 | 995.5 |
| 17.5° | 1699.9 | 1670.3 | 1584.6 | 1467.1 | 1341.1 | 1191.9 | 1053.8 | 936.8 | 851.0 | 818.4 | 824.0 |
| 20° | 1720.5 | 1673.7 | 1552.0 | 1402.8 | 1237.7 | 1042.7 | 870.7 | 763.1 | 730.1 | 728.0 | 723.7 |
| 22.5° | 1743.6 | 1675.9 | 1516.0 | 1330.8 | 1112.5 | 883.6 | 719.4 | 673.5 | 673.1 | 683.8 | 686.4 |
| 25° | 1769.8 | 1677.6 | 1475.2 | 1246.7 | 977.1 | 725.0 | 636.2 | 622.5 | 633.2 | 653.4 | 656.0 |
| 27.5° | 1803.2 | 1681.0 | 1425.9 | 1154.6 | 833.0 | 626.4 | 590.4 | 586.9 | 599.8 | 618.7 | 617.8 |
| 30° | 1852.5 | 1693.5 | 1373.6 | 1048.7 | 685.1 | 579.6 | 562.5 | 562.9 | 568.1 | 577.1 | 578.4 |
| 32.5° | 1902.7 | 1712.8 | 1322.6 | 929.5 | 600.2 | 553.1 | 545.3 | 544.5 | 544.5 | 548.3 | 549.2 |
| 35° | 1950.3 | 1734.6 | 1267.3 | 805.1 | 559.1 | 537.6 | 532.5 | 529.9 | 528.6 | 527.8 | 526.5 |
| 37.5° | 1976.9 | 1745.3 | 1213.3 | 682.5 | 537.2 | 527.3 | 522.2 | 518.8 | 514.0 | 510.6 | 509.8 |
| 40° | 1965.3 | 1732.9 | 1150.7 | 590.8 | 523.9 | 517.5 | 511.5 | 506.8 | 500.3 | 497.3 | 495.6 |
| 42.5° | 1926.7 | 1694.3 | 1082.5 | 547.5 | 513.2 | 506.8 | 499.5 | 491.7 | 487.5 | 484.9 | 484.5 |
| 45° | 1886.0 | 1647.6 | 1000.2 | 522.2 | 502.9 | 495.2 | 486.6 | 478.0 | 473.3 | 472.0 | 471.6 |
| 47.5° | 1884.7 | 1624.4 | 912.8 | 502.0 | 490.5 | 482.7 | 472.0 | 463.5 | 458.3 | 456.6 | 454.9 |
| 50° | 1941.3 | 1648.0 | 814.2 | 484.5 | 477.6 | 469.5 | 457.5 | 448.0 | 441.6 | 439.4 | 439.0 |
| 52.5° | 2058.7 | 1736.8 | 725.8 | 466.9 | 460.5 | 451.0 | 441.2 | 431.7 | 424.0 | 420.2 | 419.7 |
| 55° | 2185.6 | 1849.5 | 671.0 | 448.9 | 440.3 | 432.2 | 423.2 | 412.9 | 404.3 | 398.3 | 397.4 |
| 57.5° | 2316.8 | 1972.6 | 654.2 | 426.2 | 419.7 | 414.1 | 403.4 | 392.3 | 382.4 | 376.9 | 375.6 |
| 60° | 2424.9 | 2078.5 | 685.5 | 402.1 | 398.7 | 391.4 | 381.6 | 370.8 | 364.0 | 359.7 | 358.8 |
| 62.5° | 2030.0 | 1692.2 | 553.5 | 376.0 | 376.0 | 368.3 | 357.1 | 349.4 | 344.7 | 341.7 | 340.8 |
| 65° | 1288.3 | 1047.8 | 377.7 | 349.8 | 349.4 | 339.1 | 329.7 | 324.5 | 322.4 | 317.7 | 316.8 |
| 67.5° | 561.2 | 478.9 | 322.8 | 323.3 | 321.5 | 310.4 | 301.0 | 297.1 | 292.8 | 287.7 | 287.2 |
| 70° | 291.1 | 296.7 | 289.0 | 293.7 | 290.7 | 277.4 | 268.4 | 262.4 | 253.4 | 248.2 | 248.7 |
| 72.5° | 234.9 | 240.9 | 249.5 | 256.8 | 250.4 | 239.7 | 225.5 | 218.2 | 206.6 | 201.1 | 201.5 |
| 75° | 179.2 | 185.6 | 193.8 | 201.5 | 196.4 | 183.1 | 174.1 | 166.8 | 153.5 | 147.1 | 148.3 |
| 77.5° | 123.5 | 126.9 | 136.8 | 136.3 | 134.6 | 130.8 | 117.5 | 108.9 | 95.2 | 87.5 | 88.3 |
| 80° | 76.7 | 78.9 | 83.6 | 85.7 | 84.9 | 79.7 | 69.0 | 62.6 | 54.4 | 49.7 | 50.2 |
| 82.5° | 46.3 | 47.6 | 51.9 | 52.3 | 51.9 | 48.0 | 39.9 | 35.2 | 30.0 | 27.4 | 27.4 |
| 85° | 23.6 | 24.4 | 27.0 | 27.0 | 24.4 | 20.6 | 18.4 | 16.3 | 13.3 | 12.0 | 12.0 |
| 87.5° | 6.4 | 6.4 | 8.1 | 6.9 | 5.6 | 5.1 | 2.6 | 2.1 | 0.9 | 0.4 | 0.4 |
| 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)