

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P934273

Luminaire Tested: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934273
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

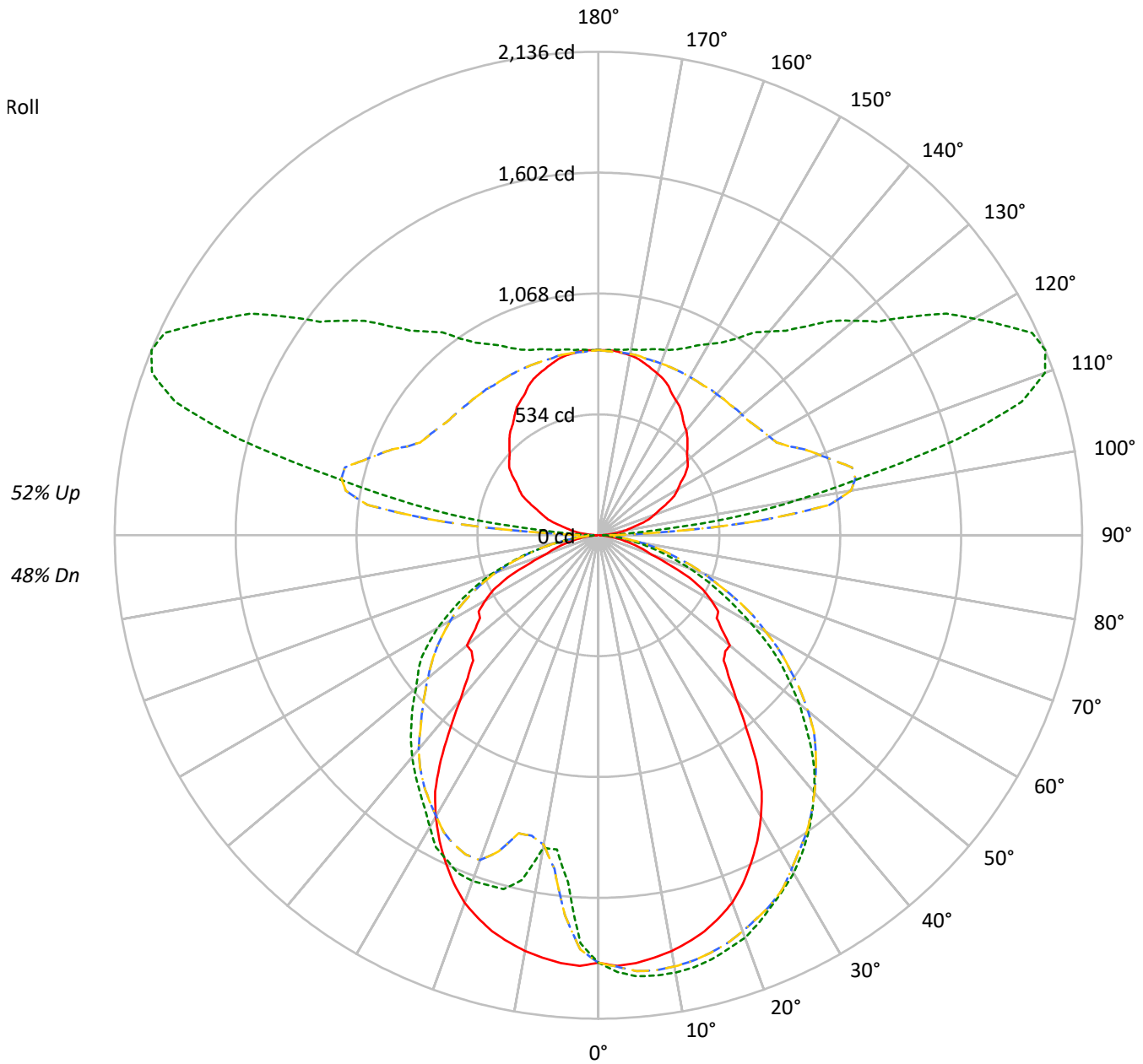
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10203.1 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 85.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934273
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 54 | 54 | 54 | 48 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 56 | 48 | 47 | 46 | 41 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 40 | 39 | 34 |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 38 | 35 | 33 | 29 |
| 4 | 74 | 63 | 55 | 49 | 68 | 58 | 52 | 46 | 50 | 44 | 40 | 41 | 37 | 34 | 33 | 31 | 28 | 25 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 21 |
| 6 | 62 | 50 | 42 | 37 | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7 | 58 | 45 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |
| 8 | 54 | 41 | 34 | 28 | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 16 | 13 |
| 10 | 47 | 34 | 27 | 22 | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 23 | 19 | 16 | 20 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5841 | 5841 | 5841 | 5841 |
| 5° | 5887 | 5897 | 5887 | 4636 |
| 10° | 5850 | 5808 | 5850 | 4152 |
| 15° | 5788 | 5682 | 5788 | 4745 |
| 20° | 5670 | 5534 | 5670 | 4755 |
| 25° | 5424 | 5316 | 5424 | 4654 |
| 30° | 5106 | 5135 | 5106 | 4433 |
| 35° | 4554 | 4907 | 4554 | 4190 |
| 40° | 3797 | 4638 | 3797 | 4006 |
| 45° | 3395 | 4323 | 3395 | 3795 |
| 50° | 3610 | 3948 | 3610 | 3583 |
| 55° | 3399 | 3544 | 3399 | 3460 |
| 60° | 3508 | 3010 | 3508 | 3169 |
| 65° | 3186 | 2488 | 3186 | 2781 |
| 70° | 2211 | 1983 | 2211 | 2332 |
| 75° | 1946 | 1466 | 1946 | 1755 |
| 80° | 1580 | 969 | 1580 | 1055 |
| 85° | 927 | 514 | 927 | 436 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5200 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 170.5 | 1.7 |
| 10°-20° | 484.0 | 4.7 |
| 20°-30° | 748.2 | 7.3 |
| 30°-40° | 893.2 | 8.8 |
| 40°-50° | 898.4 | 8.8 |
| 50°-60° | 781.7 | 7.7 |
| 60°-70° | 554.3 | 5.4 |
| 70°-80° | 293.2 | 2.9 |
| 80°-90° | 76.2 | 0.7 |
| 90°-100° | 398.8 | 3.9 |
| 100°-110° | 1048.4 | 10.3 |
| 110°-120° | 1087.1 | 10.7 |
| 120°-130° | 872.0 | 8.5 |
| 130°-140° | 684.2 | 6.7 |
| 140°-150° | 525.2 | 5.1 |
| 150°-160° | 378.2 | 3.7 |
| 160°-170° | 231.4 | 2.3 |
| 170°-180° | 78.2 | 0.8 |
| 0°-30° | 1402.6 | 13.7 |
| 0°-40° | 2295.8 | 22.5 |
| 0°-60° | 3975.9 | 39.0 |
| 0°-90° | 4899.6 | 48.0 |
| 90°-120° | 2534.3 | 24.8 |
| 90°-150° | 4615.7 | 45.2 |
| 90°-180° | 5304.0 | 52.0 |
| 0°-180° | 10203.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1888 | 1888 | 1888 | 1888 | 1888 | |
| 5° | 1897 | 1956 | 1897 | 1538 | 1897 | 180 |
| 15° | 1812 | 1938 | 1812 | 1619 | 1812 | 510 |
| 25° | 1596 | 1808 | 1596 | 1583 | 1596 | 733 |
| 35° | 1213 | 1613 | 1213 | 1378 | 1213 | 751 |
| 45° | 782 | 1329 | 782 | 1167 | 782 | 627 |
| 55° | 638 | 981 | 638 | 958 | 638 | 586 |
| 65° | 443 | 591 | 443 | 661 | 443 | 423 |
| 75° | 168 | 280 | 168 | 336 | 168 | 177 |
| 85° | 29 | 72 | 29 | 61 | 29 | 39 |
| 90° | 6 | 21 | 6 | 21 | 6 | 6 |
| 95° | 53 | 241 | 53 | 241 | 53 | 59 |
| 105° | 189 | 1642 | 189 | 1642 | 189 | 200 |
| 115° | 336 | 2114 | 336 | 2114 | 336 | 331 |
| 125° | 467 | 1684 | 467 | 1684 | 467 | 414 |
| 135° | 556 | 1306 | 556 | 1306 | 556 | 430 |
| 145° | 645 | 1060 | 645 | 1060 | 645 | 404 |
| 155° | 729 | 913 | 729 | 913 | 729 | 335 |
| 165° | 787 | 850 | 787 | 850 | 787 | 222 |
| 175° | 818 | 824 | 818 | 824 | 818 | 78 |
| 180° | 818 | 818 | 818 | 818 | 818 | |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 |
| 2.5° | 1904.5 | 1904.5 | 1915.2 | 1918.8 | 1918.8 | 1913.5 | 1908.1 | 1913.5 | 1929.5 | 1934.9 | 1933.1 |
| 5° | 1897.4 | 1911.7 | 1931.3 | 1934.9 | 1938.5 | 1936.7 | 1933.1 | 1936.7 | 1954.6 | 1958.1 | 1959.9 |
| 7.5° | 1883.1 | 1909.9 | 1934.9 | 1940.3 | 1945.6 | 1940.3 | 1938.5 | 1942.1 | 1959.9 | 1963.5 | 1963.5 |
| 10° | 1865.2 | 1902.7 | 1931.3 | 1934.9 | 1940.3 | 1934.9 | 1934.9 | 1942.1 | 1959.9 | 1963.5 | 1965.3 |
| 12.5° | 1840.2 | 1892.1 | 1918.8 | 1922.4 | 1929.5 | 1927.8 | 1926.0 | 1933.1 | 1951.0 | 1954.6 | 1954.6 |
| 15° | 1811.6 | 1872.3 | 1897.4 | 1900.9 | 1913.5 | 1909.9 | 1909.9 | 1917.0 | 1936.7 | 1942.1 | 1940.3 |
| 17.5° | 1772.4 | 1847.4 | 1876.0 | 1881.3 | 1890.3 | 1888.4 | 1890.3 | 1897.4 | 1915.2 | 1918.8 | 1920.7 |
| 20° | 1727.7 | 1813.4 | 1847.4 | 1852.7 | 1861.7 | 1861.7 | 1861.7 | 1870.6 | 1888.4 | 1895.6 | 1895.6 |
| 22.5° | 1667.0 | 1777.7 | 1813.4 | 1817.0 | 1827.7 | 1827.7 | 1831.3 | 1843.8 | 1859.8 | 1861.7 | 1861.7 |
| 25° | 1595.5 | 1738.3 | 1768.7 | 1779.5 | 1790.2 | 1795.5 | 1801.0 | 1808.1 | 1813.4 | 1811.6 | 1813.4 |
| 27.5° | 1520.4 | 1688.4 | 1727.7 | 1734.8 | 1749.1 | 1754.4 | 1761.6 | 1763.4 | 1765.2 | 1770.5 | 1766.9 |
| 30° | 1436.4 | 1618.6 | 1677.6 | 1684.8 | 1708.0 | 1711.6 | 1704.4 | 1708.0 | 1716.9 | 1720.5 | 1724.1 |
| 32.5° | 1341.8 | 1515.0 | 1625.8 | 1641.9 | 1663.3 | 1652.7 | 1650.8 | 1656.2 | 1670.5 | 1670.5 | 1674.1 |
| 35° | 1213.1 | 1434.7 | 1577.6 | 1591.9 | 1608.0 | 1595.5 | 1602.6 | 1604.3 | 1613.3 | 1618.6 | 1616.9 |
| 37.5° | 1072.0 | 1364.9 | 1527.5 | 1538.3 | 1550.8 | 1534.7 | 1545.4 | 1550.8 | 1557.9 | 1554.4 | 1554.4 |
| 40° | 946.9 | 1256.0 | 1468.6 | 1475.8 | 1486.4 | 1474.0 | 1484.6 | 1488.3 | 1491.8 | 1488.3 | 1486.4 |
| 42.5° | 854.0 | 1136.3 | 1406.1 | 1415.0 | 1407.8 | 1416.8 | 1420.4 | 1427.5 | 1422.1 | 1415.0 | 1415.0 |
| 45° | 782.5 | 1104.1 | 1338.2 | 1348.9 | 1338.2 | 1352.5 | 1357.8 | 1357.8 | 1341.8 | 1338.2 | 1336.4 |
| 47.5° | 759.3 | 1039.8 | 1270.3 | 1270.3 | 1265.0 | 1282.8 | 1291.7 | 1279.3 | 1263.2 | 1257.8 | 1257.8 |
| 50° | 757.6 | 968.4 | 1177.4 | 1170.2 | 1195.2 | 1216.6 | 1207.8 | 1195.2 | 1182.7 | 1163.1 | 1163.1 |
| 52.5° | 687.8 | 880.8 | 1057.7 | 1084.5 | 1123.8 | 1136.3 | 1122.0 | 1109.5 | 1088.1 | 1079.1 | 1072.0 |
| 55° | 637.9 | 789.7 | 948.7 | 1002.3 | 1043.4 | 1059.5 | 1032.7 | 1020.1 | 988.0 | 982.7 | 979.1 |
| 57.5° | 627.1 | 657.5 | 848.7 | 916.5 | 966.6 | 964.8 | 948.7 | 925.5 | 898.7 | 893.3 | 891.6 |
| 60° | 575.3 | 475.3 | 741.5 | 821.8 | 873.6 | 868.3 | 854.0 | 832.6 | 807.5 | 804.0 | 800.4 |
| 62.5° | 521.7 | 344.8 | 619.9 | 711.1 | 784.3 | 782.5 | 770.1 | 737.8 | 720.0 | 711.1 | 703.9 |
| 65° | 443.1 | 289.4 | 441.3 | 591.4 | 696.8 | 700.4 | 673.5 | 650.4 | 630.7 | 619.9 | 618.1 |
| 67.5° | 337.7 | 235.9 | 298.4 | 493.1 | 612.8 | 609.3 | 575.3 | 564.6 | 539.5 | 534.2 | 523.5 |
| 70° | 250.1 | 157.3 | 207.3 | 400.2 | 530.7 | 521.7 | 494.9 | 482.4 | 459.2 | 446.7 | 439.5 |
| 72.5° | 207.3 | 126.8 | 151.8 | 310.9 | 446.7 | 435.9 | 412.7 | 398.4 | 378.7 | 368.1 | 360.9 |
| 75° | 167.9 | 134.0 | 116.2 | 230.4 | 362.7 | 355.6 | 334.1 | 319.8 | 303.7 | 289.4 | 291.2 |
| 77.5° | 123.3 | 125.0 | 92.9 | 169.7 | 287.6 | 277.0 | 264.4 | 246.6 | 239.4 | 225.1 | 225.1 |
| 80° | 92.9 | 98.3 | 69.7 | 116.2 | 207.3 | 207.3 | 196.5 | 184.0 | 171.5 | 164.4 | 164.4 |
| 82.5° | 62.5 | 62.5 | 51.8 | 73.3 | 141.1 | 135.8 | 128.7 | 125.0 | 117.9 | 114.4 | 114.4 |
| 85° | 28.6 | 35.7 | 32.1 | 44.7 | 76.8 | 80.4 | 80.4 | 76.8 | 75.0 | 71.5 | 73.3 |
| 87.5° | 9.0 | 16.1 | 19.6 | 25.0 | 39.3 | 41.1 | 42.9 | 42.9 | 42.9 | 44.7 | 44.7 |
| 90° | 5.5 | 9.9 | 14.3 | 15.4 | 24.2 | 35.9 | 41.7 | 37.1 | 27.8 | 20.9 | 20.9 |
| 92.5° | 21.9 | 59.2 | 96.6 | 105.9 | 148.9 | 206.3 | 235.0 | 205.9 | 147.9 | 104.3 | 100.2 |
| 95° | 52.7 | 121.0 | 189.4 | 206.5 | 366.6 | 580.1 | 686.9 | 612.9 | 465.0 | 354.1 | 341.5 |
| 97.5° | 91.1 | 151.4 | 211.7 | 226.8 | 493.8 | 849.8 | 1027.9 | 981.2 | 887.6 | 817.6 | 793.7 |
| 100° | 120.8 | 175.5 | 230.1 | 243.8 | 540.1 | 935.2 | 1132.7 | 1136.1 | 1142.9 | 1148.1 | 1119.6 |
| 102.5° | 146.1 | 197.0 | 248.0 | 260.8 | 561.3 | 962.1 | 1162.4 | 1221.9 | 1341.0 | 1430.3 | 1405.9 |
| 105° | 188.9 | 232.0 | 275.2 | 286.0 | 577.0 | 965.1 | 1159.1 | 1292.6 | 1559.5 | 1759.7 | 1746.6 |
| 107.5° | 232.8 | 273.1 | 313.4 | 323.4 | 580.0 | 922.2 | 1093.2 | 1279.4 | 1651.9 | 1931.1 | 1934.3 |
| 110° | 262.5 | 298.8 | 335.2 | 344.3 | 575.6 | 884.1 | 1038.3 | 1246.5 | 1662.8 | 1975.0 | 1988.7 |



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CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 291.5 | 326.2 | 360.8 | 369.5 | 575.8 | 850.8 | 988.3 | 1201.4 | 1627.4 | 1947.0 | 1968.0 |
| 115° | 335.5 | 367.5 | 399.4 | 407.4 | 581.1 | 812.7 | 928.5 | 1133.7 | 1544.1 | 1852.0 | 1881.1 |
| 117.5° | 378.8 | 407.9 | 436.9 | 444.2 | 591.9 | 788.8 | 887.3 | 1072.5 | 1442.9 | 1720.8 | 1753.0 |
| 120° | 404.1 | 431.5 | 458.7 | 465.6 | 600.6 | 780.8 | 870.9 | 1040.1 | 1378.5 | 1632.4 | 1663.8 |
| 122.5° | 428.8 | 456.4 | 484.0 | 490.9 | 613.3 | 776.6 | 858.2 | 1010.5 | 1315.4 | 1544.0 | 1574.9 |
| 125° | 466.7 | 491.9 | 517.0 | 523.3 | 630.4 | 773.1 | 844.5 | 974.0 | 1232.8 | 1427.0 | 1455.5 |
| 127.5° | 497.5 | 522.9 | 548.3 | 554.6 | 647.4 | 771.1 | 832.9 | 944.1 | 1166.4 | 1333.2 | 1357.2 |
| 130° | 514.0 | 541.3 | 568.6 | 575.4 | 659.8 | 772.3 | 828.6 | 927.5 | 1125.5 | 1273.8 | 1296.0 |
| 132.5° | 530.9 | 558.3 | 585.6 | 592.5 | 669.9 | 773.1 | 824.7 | 913.3 | 1090.5 | 1223.3 | 1243.2 |
| 135° | 556.2 | 581.1 | 606.0 | 612.2 | 680.8 | 772.4 | 818.1 | 892.4 | 1040.7 | 1152.0 | 1169.1 |
| 137.5° | 582.0 | 606.7 | 631.4 | 637.5 | 697.3 | 777.2 | 817.0 | 879.7 | 1005.2 | 1099.3 | 1113.3 |
| 140° | 603.4 | 626.1 | 648.8 | 654.5 | 707.4 | 777.9 | 813.1 | 867.3 | 975.7 | 1057.0 | 1070.1 |
| 142.5° | 619.9 | 640.9 | 661.9 | 667.2 | 715.8 | 780.7 | 813.1 | 860.7 | 955.9 | 1027.3 | 1038.6 |
| 145° | 645.1 | 663.4 | 681.7 | 686.3 | 726.8 | 780.7 | 807.7 | 846.6 | 924.5 | 982.8 | 991.4 |
| 147.5° | 670.4 | 688.2 | 706.0 | 710.5 | 742.9 | 786.1 | 807.7 | 838.4 | 899.6 | 945.5 | 952.6 |
| 150° | 686.9 | 702.9 | 719.1 | 723.1 | 751.3 | 788.9 | 807.7 | 833.6 | 885.2 | 924.1 | 929.8 |
| 152.5° | 703.9 | 716.1 | 728.3 | 731.4 | 756.8 | 790.8 | 807.7 | 829.8 | 874.0 | 907.1 | 911.4 |
| 155° | 729.1 | 738.2 | 747.3 | 749.5 | 768.9 | 794.8 | 807.7 | 825.3 | 860.4 | 886.8 | 889.6 |
| 157.5° | 747.9 | 756.7 | 765.4 | 767.6 | 781.0 | 798.8 | 807.7 | 821.4 | 848.7 | 869.2 | 871.2 |
| 160° | 760.5 | 767.3 | 774.2 | 775.8 | 786.5 | 800.6 | 807.7 | 819.4 | 842.8 | 860.4 | 861.5 |
| 162.5° | 773.1 | 778.2 | 783.4 | 784.6 | 792.4 | 802.6 | 807.7 | 817.6 | 837.3 | 852.1 | 853.2 |
| 165° | 786.9 | 791.5 | 796.1 | 797.2 | 800.7 | 805.4 | 807.7 | 814.8 | 828.9 | 839.5 | 840.7 |
| 167.5° | 799.5 | 801.6 | 803.8 | 804.4 | 807.3 | 811.2 | 813.1 | 817.8 | 827.1 | 834.0 | 834.5 |
| 170° | 807.7 | 809.9 | 812.1 | 812.6 | 812.8 | 813.1 | 813.1 | 817.8 | 827.1 | 834.0 | 834.0 |
| 172.5° | 812.1 | 812.5 | 813.1 | 813.1 | 813.1 | 813.1 | 813.1 | 816.8 | 824.2 | 829.7 | 829.2 |
| 175° | 818.1 | 818.1 | 818.1 | 818.1 | 816.4 | 814.2 | 813.1 | 815.5 | 820.2 | 823.6 | 823.6 |
| 177.5° | 818.1 | 818.1 | 818.1 | 818.1 | 816.9 | 815.2 | 814.3 | 816.2 | 819.8 | 822.6 | 822.0 |
| 180° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 |
| 2.5° | 1936.7 | 1931.3 | 1936.7 | 1933.1 | 1934.9 | 1929.5 | 1913.5 | 1908.1 | 1913.5 | 1918.8 | 1918.8 |
| 5° | 1959.9 | 1956.4 | 1959.9 | 1959.9 | 1958.1 | 1954.6 | 1936.7 | 1933.1 | 1936.7 | 1938.5 | 1934.9 |
| 7.5° | 1967.1 | 1961.7 | 1967.1 | 1963.5 | 1963.5 | 1959.9 | 1942.1 | 1938.5 | 1940.3 | 1945.6 | 1940.3 |
| 10° | 1967.1 | 1961.7 | 1967.1 | 1965.3 | 1963.5 | 1959.9 | 1942.1 | 1934.9 | 1934.9 | 1940.3 | 1934.9 |
| 12.5° | 1958.1 | 1954.6 | 1958.1 | 1954.6 | 1954.6 | 1951.0 | 1933.1 | 1926.0 | 1927.8 | 1929.5 | 1922.4 |
| 15° | 1943.8 | 1938.5 | 1943.8 | 1940.3 | 1942.1 | 1936.7 | 1917.0 | 1909.9 | 1909.9 | 1913.5 | 1900.9 |
| 17.5° | 1922.4 | 1915.2 | 1922.4 | 1920.7 | 1918.8 | 1915.2 | 1897.4 | 1890.3 | 1888.4 | 1890.3 | 1881.3 |
| 20° | 1897.4 | 1892.1 | 1897.4 | 1895.6 | 1895.6 | 1888.4 | 1870.6 | 1861.7 | 1861.7 | 1861.7 | 1852.7 |
| 22.5° | 1858.1 | 1852.7 | 1858.1 | 1861.7 | 1861.7 | 1859.8 | 1843.8 | 1831.3 | 1827.7 | 1827.7 | 1817.0 |
| 25° | 1813.4 | 1808.1 | 1813.4 | 1813.4 | 1811.6 | 1813.4 | 1808.1 | 1801.0 | 1795.5 | 1790.2 | 1779.5 |
| 27.5° | 1770.5 | 1766.9 | 1770.5 | 1766.9 | 1770.5 | 1765.2 | 1763.4 | 1761.6 | 1754.4 | 1749.1 | 1734.8 |
| 30° | 1727.7 | 1724.1 | 1727.7 | 1724.1 | 1720.5 | 1716.9 | 1708.0 | 1704.4 | 1711.6 | 1708.0 | 1684.8 |
| 32.5° | 1674.1 | 1670.5 | 1674.1 | 1674.1 | 1670.5 | 1670.5 | 1656.2 | 1650.8 | 1652.7 | 1663.3 | 1641.9 |
| 35° | 1618.6 | 1613.3 | 1618.6 | 1616.9 | 1618.6 | 1613.3 | 1604.3 | 1602.6 | 1595.5 | 1608.0 | 1591.9 |
| 37.5° | 1554.4 | 1549.0 | 1554.4 | 1554.4 | 1554.4 | 1557.9 | 1550.8 | 1545.4 | 1534.7 | 1550.8 | 1538.3 |
| 40° | 1488.3 | 1481.1 | 1488.3 | 1486.4 | 1488.3 | 1491.8 | 1488.3 | 1484.6 | 1474.0 | 1486.4 | 1475.8 |
| 42.5° | 1413.3 | 1411.4 | 1413.3 | 1415.0 | 1415.0 | 1422.1 | 1427.5 | 1420.4 | 1416.8 | 1407.8 | 1415.0 |
| 45° | 1332.8 | 1329.2 | 1332.8 | 1336.4 | 1338.2 | 1341.8 | 1357.8 | 1357.8 | 1352.5 | 1338.2 | 1348.9 |
| 47.5° | 1247.0 | 1238.1 | 1247.0 | 1257.8 | 1257.8 | 1263.2 | 1279.3 | 1291.7 | 1282.8 | 1265.0 | 1270.3 |
| 50° | 1155.9 | 1157.7 | 1155.9 | 1163.1 | 1163.1 | 1182.7 | 1195.2 | 1207.8 | 1216.6 | 1195.2 | 1170.2 |
| 52.5° | 1066.6 | 1064.8 | 1066.6 | 1072.0 | 1079.1 | 1088.1 | 1109.5 | 1122.0 | 1136.3 | 1123.8 | 1084.5 |
| 55° | 977.2 | 980.9 | 977.2 | 979.1 | 982.7 | 988.0 | 1020.1 | 1032.7 | 1059.5 | 1043.4 | 1002.3 |
| 57.5° | 887.9 | 882.6 | 887.9 | 891.6 | 893.3 | 898.7 | 925.5 | 948.7 | 964.8 | 966.6 | 916.5 |
| 60° | 784.3 | 777.2 | 784.3 | 800.4 | 804.0 | 807.5 | 832.6 | 854.0 | 868.3 | 873.6 | 821.8 |
| 62.5° | 693.2 | 680.7 | 693.2 | 703.9 | 711.1 | 720.0 | 737.8 | 770.1 | 782.5 | 784.3 | 711.1 |
| 65° | 596.7 | 591.4 | 596.7 | 618.1 | 619.9 | 630.7 | 650.4 | 673.5 | 700.4 | 696.8 | 591.4 |
| 67.5° | 509.2 | 509.2 | 509.2 | 523.5 | 534.2 | 539.5 | 564.6 | 575.3 | 609.3 | 612.8 | 493.1 |
| 70° | 428.8 | 427.0 | 428.8 | 439.5 | 446.7 | 459.2 | 482.4 | 494.9 | 521.7 | 530.7 | 400.2 |
| 72.5° | 352.0 | 350.1 | 352.0 | 360.9 | 368.1 | 378.7 | 398.4 | 412.7 | 435.9 | 446.7 | 310.9 |
| 75° | 284.1 | 280.5 | 284.1 | 291.2 | 289.4 | 303.7 | 319.8 | 334.1 | 355.6 | 362.7 | 230.4 |
| 77.5° | 218.0 | 218.0 | 218.0 | 225.1 | 225.1 | 239.4 | 246.6 | 264.4 | 277.0 | 287.6 | 169.7 |
| 80° | 162.6 | 160.8 | 162.6 | 164.4 | 164.4 | 171.5 | 184.0 | 196.5 | 207.3 | 207.3 | 116.2 |
| 82.5° | 114.4 | 110.7 | 114.4 | 114.4 | 114.4 | 117.9 | 125.0 | 128.7 | 135.8 | 141.1 | 73.3 |
| 85° | 71.5 | 71.5 | 71.5 | 73.3 | 71.5 | 75.0 | 76.8 | 80.4 | 80.4 | 76.8 | 44.7 |
| 87.5° | 46.4 | 44.7 | 46.4 | 44.7 | 44.7 | 42.9 | 42.9 | 42.9 | 41.1 | 39.3 | 25.0 |
| 90° | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 27.8 | 37.1 | 41.7 | 35.9 | 24.2 | 15.4 |
| 92.5° | 83.6 | 67.0 | 83.6 | 100.2 | 104.3 | 147.9 | 205.9 | 235.0 | 206.3 | 148.9 | 105.9 |
| 95° | 291.3 | 241.0 | 291.3 | 341.5 | 354.1 | 465.0 | 612.9 | 686.9 | 580.1 | 366.6 | 206.5 |
| 97.5° | 698.0 | 602.3 | 698.0 | 793.7 | 817.6 | 887.6 | 981.2 | 1027.9 | 849.8 | 493.8 | 226.8 |
| 100° | 1005.7 | 891.7 | 1005.7 | 1119.6 | 1148.1 | 1142.9 | 1136.1 | 1132.7 | 935.2 | 540.1 | 243.8 |
| 102.5° | 1308.3 | 1210.7 | 1308.3 | 1405.9 | 1430.3 | 1341.0 | 1221.9 | 1162.4 | 962.1 | 561.3 | 260.8 |
| 105° | 1694.2 | 1641.7 | 1694.2 | 1746.6 | 1759.7 | 1559.5 | 1292.6 | 1159.1 | 965.1 | 577.0 | 286.0 |
| 107.5° | 1946.9 | 1959.6 | 1946.9 | 1934.3 | 1931.1 | 1651.9 | 1279.4 | 1093.2 | 922.2 | 580.0 | 323.4 |
| 110° | 2043.3 | 2098.0 | 2043.3 | 1988.7 | 1975.0 | 1662.8 | 1246.5 | 1038.3 | 884.1 | 575.6 | 344.3 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 112.5° | 2052.0 | 2135.9 | 2052.0 | 1968.0 | 1947.0 | 1627.4 | 1201.4 | 988.3 | 850.8 | 575.8 | 369.5 |
| 115° | 1997.6 | 2114.0 | 1997.6 | 1881.1 | 1852.0 | 1544.1 | 1133.7 | 928.5 | 812.7 | 581.1 | 407.4 |
| 117.5° | 1882.1 | 2011.2 | 1882.1 | 1753.0 | 1720.8 | 1442.9 | 1072.5 | 887.3 | 788.8 | 591.9 | 444.2 |
| 120° | 1789.2 | 1914.6 | 1789.2 | 1663.8 | 1632.4 | 1378.5 | 1040.1 | 870.9 | 780.8 | 600.6 | 465.6 |
| 122.5° | 1698.7 | 1822.4 | 1698.7 | 1574.9 | 1544.0 | 1315.4 | 1010.5 | 858.2 | 776.6 | 613.3 | 490.9 |
| 125° | 1569.5 | 1683.5 | 1569.5 | 1455.5 | 1427.0 | 1232.8 | 974.0 | 844.5 | 773.1 | 630.4 | 523.3 |
| 127.5° | 1453.3 | 1549.5 | 1453.3 | 1357.2 | 1333.2 | 1166.4 | 944.1 | 832.9 | 771.1 | 647.4 | 554.6 |
| 130° | 1384.9 | 1473.7 | 1384.9 | 1296.0 | 1273.8 | 1125.5 | 927.5 | 828.6 | 772.3 | 659.8 | 575.4 |
| 132.5° | 1322.8 | 1402.3 | 1322.8 | 1243.2 | 1223.3 | 1090.5 | 913.3 | 824.7 | 773.1 | 669.9 | 592.5 |
| 135° | 1237.7 | 1306.2 | 1237.7 | 1169.1 | 1152.0 | 1040.7 | 892.4 | 818.1 | 772.4 | 680.8 | 612.2 |
| 137.5° | 1169.4 | 1225.5 | 1169.4 | 1113.3 | 1099.3 | 1005.2 | 879.7 | 817.0 | 777.2 | 697.3 | 637.5 |
| 140° | 1122.5 | 1175.0 | 1122.5 | 1070.1 | 1057.0 | 975.7 | 867.3 | 813.1 | 777.9 | 707.4 | 654.5 |
| 142.5° | 1083.8 | 1128.9 | 1083.8 | 1038.6 | 1027.3 | 955.9 | 860.7 | 813.1 | 780.7 | 715.8 | 667.2 |
| 145° | 1025.6 | 1059.7 | 1025.6 | 991.4 | 982.8 | 924.5 | 846.6 | 807.7 | 780.7 | 726.8 | 686.3 |
| 147.5° | 980.9 | 1009.2 | 980.9 | 952.6 | 945.5 | 899.6 | 838.4 | 807.7 | 786.1 | 742.9 | 710.5 |
| 150° | 952.7 | 975.7 | 952.7 | 929.8 | 924.1 | 885.2 | 833.6 | 807.7 | 788.9 | 751.3 | 723.1 |
| 152.5° | 928.8 | 946.1 | 928.8 | 911.4 | 907.1 | 874.0 | 829.8 | 807.7 | 790.8 | 756.8 | 731.4 |
| 155° | 901.1 | 912.6 | 901.1 | 889.6 | 886.8 | 860.4 | 825.3 | 807.7 | 794.8 | 768.9 | 749.5 |
| 157.5° | 879.2 | 887.3 | 879.2 | 871.2 | 869.2 | 848.7 | 821.4 | 807.7 | 798.8 | 781.0 | 767.6 |
| 160° | 866.2 | 870.9 | 866.2 | 861.5 | 860.4 | 842.8 | 819.4 | 807.7 | 800.6 | 786.5 | 775.8 |
| 162.5° | 857.6 | 862.1 | 857.6 | 853.2 | 852.1 | 837.3 | 817.6 | 807.7 | 802.6 | 792.4 | 784.6 |
| 165° | 845.4 | 850.0 | 845.4 | 840.7 | 839.5 | 828.9 | 814.8 | 807.7 | 805.4 | 800.7 | 797.2 |
| 167.5° | 836.5 | 838.4 | 836.5 | 834.5 | 834.0 | 827.1 | 817.8 | 813.1 | 811.2 | 807.3 | 804.4 |
| 170° | 834.0 | 834.0 | 834.0 | 834.0 | 834.0 | 827.1 | 817.8 | 813.1 | 813.1 | 812.8 | 812.6 |
| 172.5° | 827.5 | 825.8 | 827.5 | 829.2 | 829.7 | 824.2 | 816.8 | 813.1 | 813.1 | 813.1 | 813.1 |
| 175° | 823.6 | 823.6 | 823.6 | 823.6 | 823.6 | 820.2 | 815.5 | 813.1 | 814.2 | 816.4 | 818.1 |
| 177.5° | 820.1 | 818.1 | 820.1 | 822.0 | 822.6 | 819.8 | 816.2 | 814.3 | 815.2 | 816.9 | 818.1 |
| 180° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 |
| 2.5° | 1915.2 | 1904.5 | 1904.5 | 1886.6 | 1879.5 | 1874.1 | 1865.2 | 1838.4 | 1831.3 | 1824.1 | 1834.9 |
| 5° | 1931.3 | 1911.7 | 1897.4 | 1865.2 | 1838.4 | 1827.7 | 1793.8 | 1729.5 | 1686.6 | 1654.4 | 1636.6 |
| 7.5° | 1934.9 | 1909.9 | 1883.1 | 1833.1 | 1768.7 | 1740.1 | 1636.6 | 1518.7 | 1486.4 | 1457.9 | 1440.0 |
| 10° | 1931.3 | 1902.7 | 1865.2 | 1790.2 | 1638.4 | 1588.3 | 1484.6 | 1407.8 | 1388.2 | 1382.9 | 1388.2 |
| 12.5° | 1918.8 | 1892.1 | 1840.2 | 1715.2 | 1502.6 | 1468.6 | 1407.8 | 1363.2 | 1359.6 | 1368.6 | 1416.8 |
| 15° | 1897.4 | 1872.3 | 1811.6 | 1615.1 | 1427.5 | 1402.5 | 1359.6 | 1343.5 | 1363.2 | 1425.7 | 1570.4 |
| 17.5° | 1876.0 | 1847.4 | 1772.4 | 1516.9 | 1370.4 | 1352.5 | 1322.1 | 1354.3 | 1465.0 | 1549.0 | 1597.2 |
| 20° | 1847.4 | 1813.4 | 1727.7 | 1445.4 | 1329.2 | 1313.2 | 1298.9 | 1443.6 | 1527.5 | 1557.9 | 1584.7 |
| 22.5° | 1813.4 | 1777.7 | 1667.0 | 1395.3 | 1286.4 | 1273.8 | 1282.8 | 1493.6 | 1527.5 | 1549.0 | 1572.2 |
| 25° | 1768.7 | 1738.3 | 1595.5 | 1356.1 | 1252.4 | 1238.1 | 1272.1 | 1488.3 | 1507.9 | 1513.2 | 1559.7 |
| 27.5° | 1727.7 | 1688.4 | 1520.4 | 1320.3 | 1211.3 | 1206.0 | 1281.0 | 1465.0 | 1479.3 | 1484.6 | 1534.7 |
| 30° | 1677.6 | 1618.6 | 1436.4 | 1282.8 | 1168.4 | 1166.7 | 1282.8 | 1436.4 | 1432.9 | 1447.2 | 1497.2 |
| 32.5° | 1625.8 | 1515.0 | 1341.8 | 1236.4 | 1127.3 | 1125.5 | 1270.3 | 1393.5 | 1390.0 | 1409.6 | 1447.2 |
| 35° | 1577.6 | 1434.7 | 1213.1 | 1182.7 | 1075.5 | 1077.3 | 1239.9 | 1343.5 | 1345.3 | 1363.2 | 1386.4 |
| 37.5° | 1527.5 | 1364.9 | 1072.0 | 1123.8 | 1025.6 | 1025.6 | 1198.8 | 1297.1 | 1293.5 | 1298.9 | 1331.0 |
| 40° | 1468.6 | 1256.0 | 946.9 | 1047.0 | 979.1 | 973.7 | 1148.8 | 1247.0 | 1234.6 | 1232.8 | 1277.4 |
| 42.5° | 1406.1 | 1136.3 | 854.0 | 945.1 | 925.5 | 918.3 | 1088.1 | 1186.3 | 1163.1 | 1168.4 | 1225.6 |
| 45° | 1338.2 | 1104.1 | 782.5 | 798.6 | 870.1 | 864.7 | 1021.9 | 1116.7 | 1100.6 | 1114.9 | 1173.8 |
| 47.5° | 1270.3 | 1039.8 | 759.3 | 662.8 | 811.1 | 809.3 | 948.7 | 1048.7 | 1039.8 | 1054.1 | 1116.7 |
| 50° | 1177.4 | 968.4 | 757.6 | 568.1 | 745.0 | 752.1 | 861.2 | 982.7 | 982.7 | 995.2 | 1061.2 |
| 52.5° | 1057.7 | 880.8 | 687.8 | 514.5 | 668.2 | 689.6 | 784.3 | 925.5 | 929.0 | 941.5 | 1000.5 |
| 55° | 948.7 | 789.7 | 637.9 | 473.5 | 577.1 | 623.6 | 709.2 | 866.5 | 873.6 | 886.1 | 939.8 |
| 57.5° | 848.7 | 657.5 | 627.1 | 425.2 | 493.1 | 537.8 | 643.2 | 809.3 | 812.9 | 823.6 | 875.5 |
| 60° | 741.5 | 475.3 | 575.3 | 373.4 | 419.8 | 453.8 | 582.4 | 741.5 | 753.9 | 761.1 | 805.8 |
| 62.5° | 619.9 | 344.8 | 521.7 | 337.7 | 384.1 | 391.3 | 532.4 | 677.1 | 693.2 | 698.6 | 725.4 |
| 65° | 441.3 | 289.4 | 443.1 | 307.3 | 346.6 | 348.4 | 478.8 | 611.0 | 625.3 | 634.2 | 653.9 |
| 67.5° | 298.4 | 235.9 | 337.7 | 278.7 | 318.0 | 319.8 | 427.0 | 534.2 | 553.8 | 561.0 | 573.5 |
| 70° | 207.3 | 157.3 | 250.1 | 248.4 | 285.8 | 289.4 | 371.6 | 464.5 | 482.4 | 487.8 | 494.9 |
| 72.5° | 151.8 | 126.8 | 207.3 | 223.3 | 251.9 | 255.5 | 314.4 | 385.9 | 403.8 | 409.1 | 412.7 |
| 75° | 116.2 | 134.0 | 167.9 | 194.7 | 214.4 | 216.1 | 257.3 | 314.4 | 327.0 | 330.5 | 332.3 |
| 77.5° | 92.9 | 125.0 | 123.3 | 157.3 | 175.1 | 171.5 | 201.9 | 243.0 | 253.7 | 253.7 | 253.7 |
| 80° | 69.7 | 98.3 | 92.9 | 112.6 | 128.7 | 125.0 | 144.7 | 173.3 | 176.9 | 180.4 | 178.7 |
| 82.5° | 51.8 | 62.5 | 62.5 | 71.5 | 85.8 | 82.2 | 96.4 | 112.6 | 112.6 | 112.6 | 116.2 |
| 85° | 32.1 | 35.7 | 28.6 | 37.6 | 48.2 | 46.4 | 53.6 | 60.7 | 62.5 | 62.5 | 59.0 |
| 87.5° | 19.6 | 16.1 | 9.0 | 14.3 | 21.4 | 21.4 | 25.0 | 26.8 | 25.0 | 25.0 | 25.0 |
| 90° | 14.3 | 9.9 | 5.5 | 9.9 | 14.3 | 15.4 | 24.2 | 35.9 | 41.7 | 37.1 | 27.8 |
| 92.5° | 96.6 | 59.2 | 21.9 | 59.2 | 96.6 | 105.9 | 148.9 | 206.3 | 235.0 | 205.9 | 147.9 |
| 95° | 189.4 | 121.0 | 52.7 | 121.0 | 189.4 | 206.5 | 366.6 | 580.1 | 686.9 | 612.9 | 465.0 |
| 97.5° | 211.7 | 151.4 | 91.1 | 151.4 | 211.7 | 226.8 | 493.8 | 849.8 | 1027.9 | 981.2 | 887.6 |
| 100° | 230.1 | 175.5 | 120.8 | 175.5 | 230.1 | 243.8 | 540.1 | 935.2 | 1132.7 | 1136.1 | 1142.9 |
| 102.5° | 248.0 | 197.0 | 146.1 | 197.0 | 248.0 | 260.8 | 561.3 | 962.1 | 1162.4 | 1221.9 | 1341.0 |
| 105° | 275.2 | 232.0 | 188.9 | 232.0 | 275.2 | 286.0 | 577.0 | 965.1 | 1159.1 | 1292.6 | 1559.5 |
| 107.5° | 313.4 | 273.1 | 232.8 | 273.1 | 313.4 | 323.4 | 580.0 | 922.2 | 1093.2 | 1279.4 | 1651.9 |
| 110° | 335.2 | 298.8 | 262.5 | 298.8 | 335.2 | 344.3 | 575.6 | 884.1 | 1038.3 | 1246.5 | 1662.8 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
| 112.5° | 360.8 | 326.2 | 291.5 | 326.2 | 360.8 | 369.5 | 575.8 | 850.8 | 988.3 | 1201.4 | 1627.4 |
| 115° | 399.4 | 367.5 | 335.5 | 367.5 | 399.4 | 407.4 | 581.1 | 812.7 | 928.5 | 1133.7 | 1544.1 |
| 117.5° | 436.9 | 407.9 | 378.8 | 407.9 | 436.9 | 444.2 | 591.9 | 788.8 | 887.3 | 1072.5 | 1442.9 |
| 120° | 458.7 | 431.5 | 404.1 | 431.5 | 458.7 | 465.6 | 600.6 | 780.8 | 870.9 | 1040.1 | 1378.5 |
| 122.5° | 484.0 | 456.4 | 428.8 | 456.4 | 484.0 | 490.9 | 613.3 | 776.6 | 858.2 | 1010.5 | 1315.4 |
| 125° | 517.0 | 491.9 | 466.7 | 491.9 | 517.0 | 523.3 | 630.4 | 773.1 | 844.5 | 974.0 | 1232.8 |
| 127.5° | 548.3 | 522.9 | 497.5 | 522.9 | 548.3 | 554.6 | 647.4 | 771.1 | 832.9 | 944.1 | 1166.4 |
| 130° | 568.6 | 541.3 | 514.0 | 541.3 | 568.6 | 575.4 | 659.8 | 772.3 | 828.6 | 927.5 | 1125.5 |
| 132.5° | 585.6 | 558.3 | 530.9 | 558.3 | 585.6 | 592.5 | 669.9 | 773.1 | 824.7 | 913.3 | 1090.5 |
| 135° | 606.0 | 581.1 | 556.2 | 581.1 | 606.0 | 612.2 | 680.8 | 772.4 | 818.1 | 892.4 | 1040.7 |
| 137.5° | 631.4 | 606.7 | 582.0 | 606.7 | 631.4 | 637.5 | 697.3 | 777.2 | 817.0 | 879.7 | 1005.2 |
| 140° | 648.8 | 626.1 | 603.4 | 626.1 | 648.8 | 654.5 | 707.4 | 777.9 | 813.1 | 867.3 | 975.7 |
| 142.5° | 661.9 | 640.9 | 619.9 | 640.9 | 661.9 | 667.2 | 715.8 | 780.7 | 813.1 | 860.7 | 955.9 |
| 145° | 681.7 | 663.4 | 645.1 | 663.4 | 681.7 | 686.3 | 726.8 | 780.7 | 807.7 | 846.6 | 924.5 |
| 147.5° | 706.0 | 688.2 | 670.4 | 688.2 | 706.0 | 710.5 | 742.9 | 786.1 | 807.7 | 838.4 | 899.6 |
| 150° | 719.1 | 702.9 | 686.9 | 702.9 | 719.1 | 723.1 | 751.3 | 788.9 | 807.7 | 833.6 | 885.2 |
| 152.5° | 728.3 | 716.1 | 703.9 | 716.1 | 728.3 | 731.4 | 756.8 | 790.8 | 807.7 | 829.8 | 874.0 |
| 155° | 747.3 | 738.2 | 729.1 | 738.2 | 747.3 | 749.5 | 768.9 | 794.8 | 807.7 | 825.3 | 860.4 |
| 157.5° | 765.4 | 756.7 | 747.9 | 756.7 | 765.4 | 767.6 | 781.0 | 798.8 | 807.7 | 821.4 | 848.7 |
| 160° | 774.2 | 767.3 | 760.5 | 767.3 | 774.2 | 775.8 | 786.5 | 800.6 | 807.7 | 819.4 | 842.8 |
| 162.5° | 783.4 | 778.2 | 773.1 | 778.2 | 783.4 | 784.6 | 792.4 | 802.6 | 807.7 | 817.6 | 837.3 |
| 165° | 796.1 | 791.5 | 786.9 | 791.5 | 796.1 | 797.2 | 800.7 | 805.4 | 807.7 | 814.8 | 828.9 |
| 167.5° | 803.8 | 801.6 | 799.5 | 801.6 | 803.8 | 804.4 | 807.3 | 811.2 | 813.1 | 817.8 | 827.1 |
| 170° | 812.1 | 809.9 | 807.7 | 809.9 | 812.1 | 812.6 | 812.8 | 813.1 | 813.1 | 817.8 | 827.1 |
| 172.5° | 813.1 | 812.5 | 812.1 | 812.5 | 813.1 | 813.1 | 813.1 | 813.1 | 813.1 | 816.8 | 824.2 |
| 175° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 816.4 | 814.2 | 813.1 | 815.5 | 820.2 |
| 177.5° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 816.9 | 815.2 | 814.3 | 816.2 | 819.8 |
| 180° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 |
| 2.5° | 1822.4 | 1817.0 | 1824.1 | 1804.5 | 1824.1 | 1817.0 | 1822.4 | 1834.9 | 1824.1 | 1831.3 | 1838.4 |
| 5° | 1599.0 | 1590.1 | 1561.5 | 1538.3 | 1561.5 | 1590.1 | 1599.0 | 1636.6 | 1654.4 | 1686.6 | 1729.5 |
| 7.5° | 1429.3 | 1422.1 | 1415.0 | 1400.7 | 1415.0 | 1422.1 | 1429.3 | 1440.0 | 1457.9 | 1486.4 | 1518.7 |
| 10° | 1391.8 | 1393.5 | 1404.3 | 1402.5 | 1404.3 | 1393.5 | 1391.8 | 1388.2 | 1382.9 | 1388.2 | 1407.8 |
| 12.5° | 1488.3 | 1504.4 | 1563.3 | 1559.7 | 1563.3 | 1504.4 | 1488.3 | 1416.8 | 1368.6 | 1359.6 | 1363.2 |
| 15° | 1599.0 | 1604.3 | 1616.9 | 1618.6 | 1616.9 | 1604.3 | 1599.0 | 1570.4 | 1425.7 | 1363.2 | 1343.5 |
| 17.5° | 1609.8 | 1611.5 | 1620.4 | 1620.4 | 1620.4 | 1611.5 | 1609.8 | 1597.2 | 1549.0 | 1465.0 | 1354.3 |
| 20° | 1600.8 | 1604.3 | 1622.3 | 1625.8 | 1622.3 | 1604.3 | 1600.8 | 1584.7 | 1557.9 | 1527.5 | 1443.6 |
| 22.5° | 1597.2 | 1604.3 | 1618.6 | 1616.9 | 1618.6 | 1604.3 | 1597.2 | 1572.2 | 1549.0 | 1527.5 | 1493.6 |
| 25° | 1579.4 | 1579.4 | 1581.2 | 1582.9 | 1581.2 | 1579.4 | 1579.4 | 1559.7 | 1513.2 | 1507.9 | 1488.3 |
| 27.5° | 1541.8 | 1545.4 | 1556.1 | 1554.4 | 1556.1 | 1545.4 | 1541.8 | 1534.7 | 1484.6 | 1479.3 | 1465.0 |
| 30° | 1507.9 | 1504.4 | 1495.4 | 1488.3 | 1495.4 | 1504.4 | 1507.9 | 1497.2 | 1447.2 | 1432.9 | 1436.4 |
| 32.5° | 1450.7 | 1441.8 | 1432.9 | 1427.5 | 1432.9 | 1441.8 | 1450.7 | 1447.2 | 1409.6 | 1390.0 | 1393.5 |
| 35° | 1382.9 | 1384.7 | 1382.9 | 1377.5 | 1382.9 | 1384.7 | 1382.9 | 1386.4 | 1363.2 | 1345.3 | 1343.5 |
| 37.5° | 1334.6 | 1338.2 | 1336.4 | 1329.2 | 1336.4 | 1338.2 | 1334.6 | 1331.0 | 1298.9 | 1293.5 | 1297.1 |
| 40° | 1284.6 | 1286.4 | 1284.6 | 1279.3 | 1284.6 | 1286.4 | 1284.6 | 1277.4 | 1232.8 | 1234.6 | 1247.0 |
| 42.5° | 1236.4 | 1234.6 | 1229.2 | 1225.6 | 1229.2 | 1234.6 | 1236.4 | 1225.6 | 1168.4 | 1163.1 | 1186.3 |
| 45° | 1181.0 | 1182.7 | 1172.0 | 1166.7 | 1172.0 | 1182.7 | 1181.0 | 1173.8 | 1114.9 | 1100.6 | 1116.7 |
| 47.5° | 1125.5 | 1125.5 | 1116.7 | 1111.2 | 1116.7 | 1125.5 | 1125.5 | 1116.7 | 1054.1 | 1039.8 | 1048.7 |
| 50° | 1066.6 | 1064.8 | 1052.3 | 1050.5 | 1052.3 | 1064.8 | 1066.6 | 1061.2 | 995.2 | 982.7 | 982.7 |
| 52.5° | 998.7 | 998.7 | 1000.5 | 1004.1 | 1000.5 | 998.7 | 998.7 | 1000.5 | 941.5 | 929.0 | 925.5 |
| 55° | 939.8 | 941.5 | 954.1 | 957.6 | 954.1 | 941.5 | 939.8 | 939.8 | 886.1 | 873.6 | 866.5 |
| 57.5° | 879.0 | 879.0 | 887.9 | 887.9 | 887.9 | 879.0 | 879.0 | 875.5 | 823.6 | 812.9 | 809.3 |
| 60° | 809.3 | 812.9 | 820.1 | 818.3 | 820.1 | 812.9 | 809.3 | 805.8 | 761.1 | 753.9 | 741.5 |
| 62.5° | 736.1 | 739.7 | 741.5 | 737.8 | 741.5 | 739.7 | 736.1 | 725.4 | 698.6 | 693.2 | 677.1 |
| 65° | 659.3 | 662.8 | 664.6 | 661.0 | 664.6 | 662.8 | 659.3 | 653.9 | 634.2 | 625.3 | 611.0 |
| 67.5° | 580.7 | 578.9 | 577.1 | 584.2 | 577.1 | 578.9 | 580.7 | 573.5 | 561.0 | 553.8 | 534.2 |
| 70° | 500.2 | 500.2 | 498.4 | 502.1 | 498.4 | 500.2 | 500.2 | 494.9 | 487.8 | 482.4 | 464.5 |
| 72.5° | 414.5 | 412.7 | 419.8 | 414.5 | 419.8 | 412.7 | 414.5 | 412.7 | 409.1 | 403.8 | 385.9 |
| 75° | 330.5 | 334.1 | 330.5 | 335.8 | 330.5 | 334.1 | 330.5 | 332.3 | 330.5 | 327.0 | 314.4 |
| 77.5° | 251.9 | 255.5 | 251.9 | 251.9 | 251.9 | 255.5 | 251.9 | 253.7 | 253.7 | 253.7 | 243.0 |
| 80° | 178.7 | 176.9 | 176.9 | 175.1 | 176.9 | 176.9 | 178.7 | 178.7 | 180.4 | 176.9 | 173.3 |
| 82.5° | 114.4 | 112.6 | 112.6 | 116.2 | 112.6 | 112.6 | 114.4 | 116.2 | 112.6 | 112.6 | 112.6 |
| 85° | 62.5 | 64.3 | 60.7 | 60.7 | 60.7 | 64.3 | 62.5 | 59.0 | 62.5 | 62.5 | 60.7 |
| 87.5° | 23.3 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 23.3 | 25.0 | 25.0 | 25.0 | 26.8 |
| 90° | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 27.8 | 37.1 | 41.7 | 35.9 |
| 92.5° | 104.3 | 100.2 | 83.6 | 67.0 | 83.6 | 100.2 | 104.3 | 147.9 | 205.9 | 235.0 | 206.3 |
| 95° | 354.1 | 341.5 | 291.3 | 241.0 | 291.3 | 341.5 | 354.1 | 465.0 | 612.9 | 686.9 | 580.1 |
| 97.5° | 817.6 | 793.7 | 698.0 | 602.3 | 698.0 | 793.7 | 817.6 | 887.6 | 981.2 | 1027.9 | 849.8 |
| 100° | 1148.1 | 1119.6 | 1005.7 | 891.7 | 1005.7 | 1119.6 | 1148.1 | 1142.9 | 1136.1 | 1132.7 | 935.2 |
| 102.5° | 1430.3 | 1405.9 | 1308.3 | 1210.7 | 1308.3 | 1405.9 | 1430.3 | 1341.0 | 1221.9 | 1162.4 | 962.1 |
| 105° | 1759.7 | 1746.6 | 1694.2 | 1641.7 | 1694.2 | 1746.6 | 1759.7 | 1559.5 | 1292.6 | 1159.1 | 965.1 |
| 107.5° | 1931.1 | 1934.3 | 1946.9 | 1959.6 | 1946.9 | 1934.3 | 1931.1 | 1651.9 | 1279.4 | 1093.2 | 922.2 |
| 110° | 1975.0 | 1988.7 | 2043.3 | 2098.0 | 2043.3 | 1988.7 | 1975.0 | 1662.8 | 1246.5 | 1038.3 | 884.1 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 1947.0 | 1968.0 | 2052.0 | 2135.9 | 2052.0 | 1968.0 | 1947.0 | 1627.4 | 1201.4 | 988.3 | 850.8 |
| 115° | 1852.0 | 1881.1 | 1997.6 | 2114.0 | 1997.6 | 1881.1 | 1852.0 | 1544.1 | 1133.7 | 928.5 | 812.7 |
| 117.5° | 1720.8 | 1753.0 | 1882.1 | 2011.2 | 1882.1 | 1753.0 | 1720.8 | 1442.9 | 1072.5 | 887.3 | 788.8 |
| 120° | 1632.4 | 1663.8 | 1789.2 | 1914.6 | 1789.2 | 1663.8 | 1632.4 | 1378.5 | 1040.1 | 870.9 | 780.8 |
| 122.5° | 1544.0 | 1574.9 | 1698.7 | 1822.4 | 1698.7 | 1574.9 | 1544.0 | 1315.4 | 1010.5 | 858.2 | 776.6 |
| 125° | 1427.0 | 1455.5 | 1569.5 | 1683.5 | 1569.5 | 1455.5 | 1427.0 | 1232.8 | 974.0 | 844.5 | 773.1 |
| 127.5° | 1333.2 | 1357.2 | 1453.3 | 1549.5 | 1453.3 | 1357.2 | 1333.2 | 1166.4 | 944.1 | 832.9 | 771.1 |
| 130° | 1273.8 | 1296.0 | 1384.9 | 1473.7 | 1384.9 | 1296.0 | 1273.8 | 1125.5 | 927.5 | 828.6 | 772.3 |
| 132.5° | 1223.3 | 1243.2 | 1322.8 | 1402.3 | 1322.8 | 1243.2 | 1223.3 | 1090.5 | 913.3 | 824.7 | 773.1 |
| 135° | 1152.0 | 1169.1 | 1237.7 | 1306.2 | 1237.7 | 1169.1 | 1152.0 | 1040.7 | 892.4 | 818.1 | 772.4 |
| 137.5° | 1099.3 | 1113.3 | 1169.4 | 1225.5 | 1169.4 | 1113.3 | 1099.3 | 1005.2 | 879.7 | 817.0 | 777.2 |
| 140° | 1057.0 | 1070.1 | 1122.5 | 1175.0 | 1122.5 | 1070.1 | 1057.0 | 975.7 | 867.3 | 813.1 | 777.9 |
| 142.5° | 1027.3 | 1038.6 | 1083.8 | 1128.9 | 1083.8 | 1038.6 | 1027.3 | 955.9 | 860.7 | 813.1 | 780.7 |
| 145° | 982.8 | 991.4 | 1025.6 | 1059.7 | 1025.6 | 991.4 | 982.8 | 924.5 | 846.6 | 807.7 | 780.7 |
| 147.5° | 945.5 | 952.6 | 980.9 | 1009.2 | 980.9 | 952.6 | 945.5 | 899.6 | 838.4 | 807.7 | 786.1 |
| 150° | 924.1 | 929.8 | 952.7 | 975.7 | 952.7 | 929.8 | 924.1 | 885.2 | 833.6 | 807.7 | 788.9 |
| 152.5° | 907.1 | 911.4 | 928.8 | 946.1 | 928.8 | 911.4 | 907.1 | 874.0 | 829.8 | 807.7 | 790.8 |
| 155° | 886.8 | 889.6 | 901.1 | 912.6 | 901.1 | 889.6 | 886.8 | 860.4 | 825.3 | 807.7 | 794.8 |
| 157.5° | 869.2 | 871.2 | 879.2 | 887.3 | 879.2 | 871.2 | 869.2 | 848.7 | 821.4 | 807.7 | 798.8 |
| 160° | 860.4 | 861.5 | 866.2 | 870.9 | 866.2 | 861.5 | 860.4 | 842.8 | 819.4 | 807.7 | 800.6 |
| 162.5° | 852.1 | 853.2 | 857.6 | 862.1 | 857.6 | 853.2 | 852.1 | 837.3 | 817.6 | 807.7 | 802.6 |
| 165° | 839.5 | 840.7 | 845.4 | 850.0 | 845.4 | 840.7 | 839.5 | 828.9 | 814.8 | 807.7 | 805.4 |
| 167.5° | 834.0 | 834.5 | 836.5 | 838.4 | 836.5 | 834.5 | 834.0 | 827.1 | 817.8 | 813.1 | 811.2 |
| 170° | 834.0 | 834.0 | 834.0 | 834.0 | 834.0 | 834.0 | 834.0 | 827.1 | 817.8 | 813.1 | 813.1 |
| 172.5° | 829.7 | 829.2 | 827.5 | 825.8 | 827.5 | 829.2 | 829.7 | 824.2 | 816.8 | 813.1 | 813.1 |
| 175° | 823.6 | 823.6 | 823.6 | 823.6 | 823.6 | 823.6 | 823.6 | 820.2 | 815.5 | 813.1 | 814.2 |
| 177.5° | 822.6 | 822.0 | 820.1 | 818.1 | 820.1 | 822.0 | 822.6 | 819.8 | 816.2 | 814.3 | 815.2 |
| 180° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1888.4 | 1888.4 | 1888.4 | 1888.4 | 1888.4 |
| 2.5° | 1865.2 | 1874.1 | 1879.5 | 1886.6 | 1904.5 |
| 5° | 1793.8 | 1827.7 | 1838.4 | 1865.2 | 1897.4 |
| 7.5° | 1636.6 | 1740.1 | 1768.7 | 1833.1 | 1883.1 |
| 10° | 1484.6 | 1588.3 | 1638.4 | 1790.2 | 1865.2 |
| 12.5° | 1407.8 | 1468.6 | 1502.6 | 1715.2 | 1840.2 |
| 15° | 1359.6 | 1402.5 | 1427.5 | 1615.1 | 1811.6 |
| 17.5° | 1322.1 | 1352.5 | 1370.4 | 1516.9 | 1772.4 |
| 20° | 1298.9 | 1313.2 | 1329.2 | 1445.4 | 1727.7 |
| 22.5° | 1282.8 | 1273.8 | 1286.4 | 1395.3 | 1667.0 |
| 25° | 1272.1 | 1238.1 | 1252.4 | 1356.1 | 1595.5 |
| 27.5° | 1281.0 | 1206.0 | 1211.3 | 1320.3 | 1520.4 |
| 30° | 1282.8 | 1166.7 | 1168.4 | 1282.8 | 1436.4 |
| 32.5° | 1270.3 | 1125.5 | 1127.3 | 1236.4 | 1341.8 |
| 35° | 1239.9 | 1077.3 | 1075.5 | 1182.7 | 1213.1 |
| 37.5° | 1198.8 | 1025.6 | 1025.6 | 1123.8 | 1072.0 |
| 40° | 1148.8 | 973.7 | 979.1 | 1047.0 | 946.9 |
| 42.5° | 1088.1 | 918.3 | 925.5 | 945.1 | 854.0 |
| 45° | 1021.9 | 864.7 | 870.1 | 798.6 | 782.5 |
| 47.5° | 948.7 | 809.3 | 811.1 | 662.8 | 759.3 |
| 50° | 861.2 | 752.1 | 745.0 | 568.1 | 757.6 |
| 52.5° | 784.3 | 689.6 | 668.2 | 514.5 | 687.8 |
| 55° | 709.2 | 623.6 | 577.1 | 473.5 | 637.9 |
| 57.5° | 643.2 | 537.8 | 493.1 | 425.2 | 627.1 |
| 60° | 582.4 | 453.8 | 419.8 | 373.4 | 575.3 |
| 62.5° | 532.4 | 391.3 | 384.1 | 337.7 | 521.7 |
| 65° | 478.8 | 348.4 | 346.6 | 307.3 | 443.1 |
| 67.5° | 427.0 | 319.8 | 318.0 | 278.7 | 337.7 |
| 70° | 371.6 | 289.4 | 285.8 | 248.4 | 250.1 |
| 72.5° | 314.4 | 255.5 | 251.9 | 223.3 | 207.3 |
| 75° | 257.3 | 216.1 | 214.4 | 194.7 | 167.9 |
| 77.5° | 201.9 | 171.5 | 175.1 | 157.3 | 123.3 |
| 80° | 144.7 | 125.0 | 128.7 | 112.6 | 92.9 |
| 82.5° | 96.4 | 82.2 | 85.8 | 71.5 | 62.5 |
| 85° | 53.6 | 46.4 | 48.2 | 37.6 | 28.6 |
| 87.5° | 25.0 | 21.4 | 21.4 | 14.3 | 9.0 |
| 90° | 24.2 | 15.4 | 14.3 | 9.9 | 5.5 |
| 92.5° | 148.9 | 105.9 | 96.6 | 59.2 | 21.9 |
| 95° | 366.6 | 206.5 | 189.4 | 121.0 | 52.7 |
| 97.5° | 493.8 | 226.8 | 211.7 | 151.4 | 91.1 |
| 100° | 540.1 | 243.8 | 230.1 | 175.5 | 120.8 |
| 102.5° | 561.3 | 260.8 | 248.0 | 197.0 | 146.1 |
| 105° | 577.0 | 286.0 | 275.2 | 232.0 | 188.9 |
| 107.5° | 580.0 | 323.4 | 313.4 | 273.1 | 232.8 |
| 110° | 575.6 | 344.3 | 335.2 | 298.8 | 262.5 |



TEST NUMBER: P934273

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 575.8 | 369.5 | 360.8 | 326.2 | 291.5 |
| 115° | 581.1 | 407.4 | 399.4 | 367.5 | 335.5 |
| 117.5° | 591.9 | 444.2 | 436.9 | 407.9 | 378.8 |
| 120° | 600.6 | 465.6 | 458.7 | 431.5 | 404.1 |
| 122.5° | 613.3 | 490.9 | 484.0 | 456.4 | 428.8 |
| 125° | 630.4 | 523.3 | 517.0 | 491.9 | 466.7 |
| 127.5° | 647.4 | 554.6 | 548.3 | 522.9 | 497.5 |
| 130° | 659.8 | 575.4 | 568.6 | 541.3 | 514.0 |
| 132.5° | 669.9 | 592.5 | 585.6 | 558.3 | 530.9 |
| 135° | 680.8 | 612.2 | 606.0 | 581.1 | 556.2 |
| 137.5° | 697.3 | 637.5 | 631.4 | 606.7 | 582.0 |
| 140° | 707.4 | 654.5 | 648.8 | 626.1 | 603.4 |
| 142.5° | 715.8 | 667.2 | 661.9 | 640.9 | 619.9 |
| 145° | 726.8 | 686.3 | 681.7 | 663.4 | 645.1 |
| 147.5° | 742.9 | 710.5 | 706.0 | 688.2 | 670.4 |
| 150° | 751.3 | 723.1 | 719.1 | 702.9 | 686.9 |
| 152.5° | 756.8 | 731.4 | 728.3 | 716.1 | 703.9 |
| 155° | 768.9 | 749.5 | 747.3 | 738.2 | 729.1 |
| 157.5° | 781.0 | 767.6 | 765.4 | 756.7 | 747.9 |
| 160° | 786.5 | 775.8 | 774.2 | 767.3 | 760.5 |
| 162.5° | 792.4 | 784.6 | 783.4 | 778.2 | 773.1 |
| 165° | 800.7 | 797.2 | 796.1 | 791.5 | 786.9 |
| 167.5° | 807.3 | 804.4 | 803.8 | 801.6 | 799.5 |
| 170° | 812.8 | 812.6 | 812.1 | 809.9 | 807.7 |
| 172.5° | 813.1 | 813.1 | 813.1 | 812.5 | 812.1 |
| 175° | 816.4 | 818.1 | 818.1 | 818.1 | 818.1 |
| 177.5° | 816.9 | 818.1 | 818.1 | 818.1 | 818.1 |
| 180° | 818.1 | 818.1 | 818.1 | 818.1 | 818.1 |



TEST NUMBER: P934273
 CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-12

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 10.76 | 11.60 | 11.73 | 12.59 | 13.89 | 13.61 | 14.45 | 14.58 | 15.44 | 16.74 |
| | 3H | 11.23 | 11.99 | 12.22 | 12.99 | 14.31 | 14.96 | 15.72 | 15.95 | 16.71 | 18.03 |
| | 4H | 11.42 | 12.14 | 12.42 | 13.14 | 14.47 | 15.41 | 16.12 | 16.41 | 17.12 | 18.45 |
| | 6H | 11.54 | 12.20 | 12.55 | 13.21 | 14.55 | 15.70 | 16.36 | 16.71 | 17.36 | 18.70 |
| | 8H | 11.54 | 12.17 | 12.56 | 13.19 | 14.53 | 15.77 | 16.40 | 16.79 | 17.42 | 18.76 |
| | 12H | 11.51 | 12.11 | 12.53 | 13.13 | 14.49 | 15.82 | 16.41 | 16.84 | 17.43 | 18.79 |
| 4H | 2H | 11.79 | 12.51 | 12.80 | 13.51 | 14.84 | 14.02 | 14.73 | 15.02 | 15.73 | 17.06 |
| | 3H | 12.82 | 13.42 | 13.83 | 14.44 | 15.79 | 15.53 | 16.12 | 16.54 | 17.15 | 18.49 |
| | 4H | 13.09 | 13.64 | 14.12 | 14.66 | 16.03 | 16.06 | 16.60 | 17.08 | 17.62 | 18.99 |
| | 6H | 13.22 | 13.69 | 14.25 | 14.73 | 16.09 | 16.43 | 16.90 | 17.46 | 17.94 | 19.30 |
| | 8H | 13.22 | 13.66 | 14.26 | 14.70 | 16.08 | 16.54 | 16.98 | 17.57 | 18.01 | 19.39 |
| | 12H | 13.19 | 13.59 | 14.24 | 14.64 | 16.02 | 16.60 | 16.99 | 17.65 | 18.05 | 19.43 |
| 8H | 4H | 13.55 | 13.99 | 14.58 | 15.03 | 16.40 | 16.18 | 16.62 | 17.21 | 17.66 | 19.03 |
| | 6H | 13.81 | 14.17 | 14.87 | 15.25 | 16.63 | 16.62 | 16.98 | 17.68 | 18.06 | 19.44 |
| | 8H | 13.85 | 14.17 | 14.92 | 15.24 | 16.63 | 16.78 | 17.10 | 17.84 | 18.16 | 19.55 |
| | 12H | 13.84 | 14.12 | 14.90 | 15.18 | 16.61 | 16.88 | 17.16 | 17.95 | 18.22 | 19.65 |
| 12H | 4H | 13.56 | 13.95 | 14.61 | 15.00 | 16.39 | 16.14 | 16.54 | 17.20 | 17.59 | 18.98 |
| | 6H | 13.87 | 14.19 | 14.94 | 15.26 | 16.65 | 16.62 | 16.94 | 17.68 | 18.00 | 19.40 |
| | 8H | 13.94 | 14.22 | 15.01 | 15.28 | 16.71 | 16.78 | 17.06 | 17.85 | 18.12 | 19.56 |