

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: P935055

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935055
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

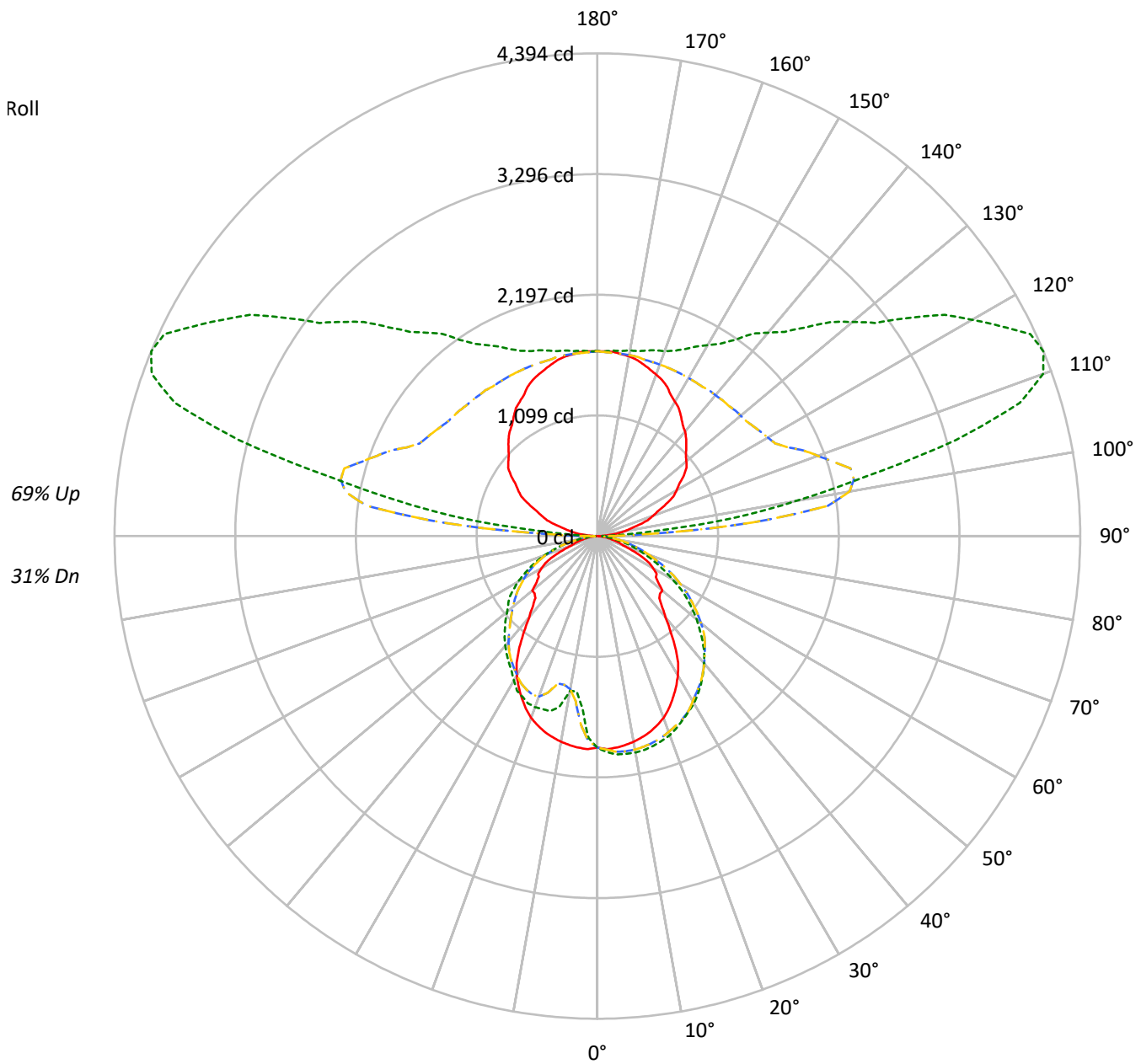
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15907.3 lumens
Efficiency: N/A
Efficacy: 128.7 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: Semi-Indirect

Input Watts (W): 123.6
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: P935055
CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 31 |
| 1 | 94 | 89 | 86 | 82 | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 53 | 50 | 43 | 40 | 38 | 30 | 29 | 28 | 22 |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 | 19 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 46 | 40 | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 | 14 |
| 6 | 60 | 48 | 40 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 24 | 21 | 20 | 17 | 15 | 12 |
| 7 | 55 | 43 | 36 | 30 | 49 | 39 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 18 | 18 | 15 | 14 | 11 |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 10 |
| 9 | 47 | 36 | 28 | 23 | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 15 | 15 | 13 | 11 | 9 |
| 10 | 44 | 33 | 26 | 21 | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5954 | 5954 | 5954 | 5954 |
| 5° | 6001 | 6010 | 6001 | 4726 |
| 10° | 5963 | 5920 | 5963 | 4233 |
| 15° | 5900 | 5792 | 5900 | 4836 |
| 20° | 5779 | 5640 | 5779 | 4847 |
| 25° | 5529 | 5419 | 5529 | 4744 |
| 30° | 5204 | 5235 | 5204 | 4519 |
| 35° | 4642 | 5002 | 4642 | 4271 |
| 40° | 3870 | 4728 | 3870 | 4084 |
| 45° | 3460 | 4407 | 3460 | 3868 |
| 50° | 3679 | 4025 | 3679 | 3652 |
| 55° | 3465 | 3613 | 3465 | 3527 |
| 60° | 3577 | 3068 | 3577 | 3230 |
| 65° | 3248 | 2536 | 3248 | 2835 |
| 70° | 2254 | 2021 | 2254 | 2377 |
| 75° | 1984 | 1494 | 1984 | 1789 |
| 80° | 1611 | 988 | 1611 | 1076 |
| 85° | 943 | 524 | 943 | 445 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5300 cd/sqm



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 173.8 | 1.1 |
| 10°-20° | 493.4 | 3.1 |
| 20°-30° | 762.6 | 4.8 |
| 30°-40° | 910.4 | 5.7 |
| 40°-50° | 915.8 | 5.8 |
| 50°-60° | 796.8 | 5.0 |
| 60°-70° | 565.0 | 3.6 |
| 70°-80° | 298.9 | 1.9 |
| 80°-90° | 80.9 | 0.5 |
| 90°-100° | 820.3 | 5.2 |
| 100°-110° | 2156.7 | 13.6 |
| 110°-120° | 2236.3 | 14.1 |
| 120°-130° | 1793.8 | 11.3 |
| 130°-140° | 1407.5 | 8.8 |
| 140°-150° | 1080.3 | 6.8 |
| 150°-160° | 778.0 | 4.9 |
| 160°-170° | 476.0 | 3.0 |
| 170°-180° | 160.8 | 1.0 |
| 0°-30° | 1429.7 | 9.0 |
| 0°-40° | 2340.2 | 14.7 |
| 0°-60° | 4052.8 | 25.5 |
| 0°-90° | 4997.5 | 31.4 |
| 90°-120° | 5213.4 | 32.8 |
| 90°-150° | 9495.0 | 59.7 |
| 90°-180° | 10910.0 | 68.6 |
| 0°-180° | 15907.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1925 | 1925 | 1925 | 1925 | 1925 | |
| 5° | 1934 | 1994 | 1934 | 1568 | 1934 | 183 |
| 15° | 1847 | 1976 | 1847 | 1650 | 1847 | 520 |
| 25° | 1626 | 1843 | 1626 | 1614 | 1626 | 747 |
| 35° | 1236 | 1644 | 1236 | 1404 | 1236 | 765 |
| 45° | 798 | 1355 | 798 | 1189 | 798 | 639 |
| 55° | 650 | 1000 | 650 | 976 | 650 | 597 |
| 65° | 452 | 603 | 452 | 674 | 452 | 432 |
| 75° | 171 | 286 | 171 | 342 | 171 | 180 |
| 85° | 29 | 73 | 29 | 62 | 29 | 39 |
| 90° | 11 | 43 | 11 | 43 | 11 | 11 |
| 95° | 108 | 496 | 108 | 496 | 108 | 120 |
| 105° | 389 | 3377 | 389 | 3377 | 389 | 412 |
| 115° | 690 | 4348 | 690 | 4348 | 690 | 682 |
| 125° | 960 | 3463 | 960 | 3463 | 960 | 852 |
| 135° | 1144 | 2687 | 1144 | 2687 | 1144 | 885 |
| 145° | 1327 | 2180 | 1327 | 2180 | 1327 | 831 |
| 155° | 1500 | 1877 | 1500 | 1877 | 1500 | 689 |
| 165° | 1618 | 1748 | 1618 | 1748 | 1618 | 457 |
| 175° | 1683 | 1694 | 1683 | 1694 | 1683 | 160 |
| 180° | 1683 | 1683 | 1683 | 1683 | 1683 | |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 |
| 2.5° | 1941.3 | 1941.3 | 1952.3 | 1955.9 | 1955.9 | 1950.4 | 1945.0 | 1950.4 | 1966.8 | 1972.3 | 1970.4 |
| 5° | 1934.1 | 1948.6 | 1968.6 | 1972.3 | 1976.0 | 1974.2 | 1970.4 | 1974.2 | 1992.3 | 1996.0 | 1997.8 |
| 7.5° | 1919.5 | 1946.8 | 1972.3 | 1977.8 | 1983.2 | 1977.8 | 1976.0 | 1979.6 | 1997.8 | 2001.4 | 2001.4 |
| 10° | 1901.3 | 1939.5 | 1968.6 | 1972.3 | 1977.8 | 1972.3 | 1972.3 | 1979.6 | 1997.8 | 2001.4 | 2003.3 |
| 12.5° | 1875.8 | 1928.6 | 1955.9 | 1959.6 | 1966.8 | 1965.0 | 1963.2 | 1970.4 | 1988.7 | 1992.3 | 1992.3 |
| 15° | 1846.6 | 1908.5 | 1934.1 | 1937.7 | 1950.4 | 1946.8 | 1946.8 | 1954.1 | 1974.2 | 1979.6 | 1977.8 |
| 17.5° | 1806.6 | 1883.1 | 1912.2 | 1917.7 | 1926.8 | 1924.9 | 1926.8 | 1934.1 | 1952.3 | 1955.9 | 1957.8 |
| 20° | 1761.1 | 1848.4 | 1883.1 | 1888.5 | 1897.7 | 1897.7 | 1897.7 | 1906.7 | 1924.9 | 1932.2 | 1932.2 |
| 22.5° | 1699.2 | 1812.0 | 1848.4 | 1852.1 | 1863.0 | 1863.0 | 1866.7 | 1879.4 | 1895.8 | 1897.7 | 1897.7 |
| 25° | 1626.3 | 1771.9 | 1802.9 | 1813.9 | 1824.8 | 1830.2 | 1835.8 | 1843.0 | 1848.4 | 1846.6 | 1848.4 |
| 27.5° | 1549.8 | 1721.0 | 1761.1 | 1768.3 | 1782.9 | 1788.3 | 1795.7 | 1797.5 | 1799.3 | 1804.7 | 1801.1 |
| 30° | 1464.2 | 1649.9 | 1710.0 | 1717.4 | 1741.0 | 1744.7 | 1737.4 | 1741.0 | 1750.1 | 1753.7 | 1757.4 |
| 32.5° | 1367.7 | 1544.3 | 1657.3 | 1673.6 | 1695.5 | 1684.6 | 1682.7 | 1688.2 | 1702.8 | 1702.8 | 1706.4 |
| 35° | 1236.5 | 1462.4 | 1608.1 | 1622.7 | 1639.1 | 1626.3 | 1633.5 | 1635.4 | 1644.5 | 1649.9 | 1648.1 |
| 37.5° | 1092.7 | 1391.3 | 1557.1 | 1568.0 | 1580.8 | 1564.4 | 1575.3 | 1580.8 | 1588.0 | 1584.4 | 1584.4 |
| 40° | 965.2 | 1280.3 | 1497.0 | 1504.3 | 1515.1 | 1502.5 | 1513.3 | 1517.0 | 1520.7 | 1517.0 | 1515.1 |
| 42.5° | 870.5 | 1158.2 | 1433.2 | 1442.4 | 1435.0 | 1444.2 | 1447.8 | 1455.1 | 1449.6 | 1442.4 | 1442.4 |
| 45° | 797.6 | 1125.5 | 1364.1 | 1374.9 | 1364.1 | 1378.7 | 1384.1 | 1384.1 | 1367.7 | 1364.1 | 1362.2 |
| 47.5° | 774.0 | 1059.9 | 1294.8 | 1294.8 | 1289.4 | 1307.6 | 1316.6 | 1304.0 | 1287.6 | 1282.1 | 1282.1 |
| 50° | 772.2 | 987.1 | 1200.2 | 1192.8 | 1218.3 | 1240.2 | 1231.1 | 1218.3 | 1205.6 | 1185.6 | 1185.6 |
| 52.5° | 701.1 | 897.8 | 1078.1 | 1105.5 | 1145.5 | 1158.2 | 1143.7 | 1130.9 | 1109.1 | 1100.0 | 1092.7 |
| 55° | 650.2 | 805.0 | 967.0 | 1021.7 | 1063.6 | 1079.9 | 1052.6 | 1039.8 | 1007.1 | 1001.7 | 998.0 |
| 57.5° | 639.2 | 670.2 | 865.1 | 934.2 | 985.3 | 983.5 | 967.0 | 943.4 | 916.0 | 910.6 | 908.8 |
| 60° | 586.5 | 484.4 | 755.8 | 837.7 | 890.5 | 885.1 | 870.5 | 848.7 | 823.2 | 819.5 | 815.9 |
| 62.5° | 531.8 | 351.5 | 631.9 | 724.9 | 799.4 | 797.6 | 785.0 | 752.1 | 733.9 | 724.9 | 717.5 |
| 65° | 451.7 | 295.0 | 449.9 | 602.8 | 710.3 | 713.9 | 686.6 | 662.9 | 642.8 | 631.9 | 630.1 |
| 67.5° | 344.2 | 240.4 | 304.1 | 502.6 | 624.7 | 621.0 | 586.5 | 575.5 | 550.0 | 544.5 | 533.6 |
| 70° | 255.0 | 160.3 | 211.3 | 408.0 | 540.9 | 531.8 | 504.4 | 491.7 | 468.1 | 455.3 | 448.0 |
| 72.5° | 211.3 | 129.3 | 154.8 | 316.9 | 455.3 | 444.3 | 420.7 | 406.1 | 386.1 | 375.2 | 367.9 |
| 75° | 171.2 | 136.6 | 118.4 | 234.9 | 369.7 | 362.4 | 340.5 | 325.9 | 309.6 | 295.0 | 296.8 |
| 77.5° | 125.6 | 127.4 | 94.7 | 173.0 | 293.2 | 282.3 | 269.6 | 251.4 | 244.0 | 229.5 | 229.5 |
| 80° | 94.7 | 100.2 | 71.1 | 118.4 | 211.3 | 211.3 | 200.3 | 187.5 | 174.8 | 167.5 | 167.5 |
| 82.5° | 63.7 | 63.7 | 52.8 | 74.7 | 143.8 | 138.4 | 131.2 | 127.4 | 120.2 | 116.6 | 116.6 |
| 85° | 29.1 | 36.4 | 32.8 | 45.5 | 78.3 | 81.9 | 81.9 | 78.3 | 76.5 | 72.9 | 74.7 |
| 87.5° | 9.1 | 16.4 | 20.0 | 25.5 | 40.1 | 41.9 | 43.7 | 43.7 | 43.7 | 45.5 | 45.5 |
| 90° | 11.3 | 20.4 | 29.3 | 31.6 | 49.7 | 73.8 | 85.8 | 76.3 | 57.2 | 42.9 | 42.9 |
| 92.5° | 45.2 | 121.9 | 198.8 | 218.0 | 306.5 | 424.4 | 483.4 | 423.7 | 304.2 | 214.6 | 206.1 |
| 95° | 108.4 | 249.0 | 389.6 | 424.7 | 754.1 | 1193.4 | 1413.0 | 1260.9 | 956.7 | 728.5 | 702.6 |
| 97.5° | 187.5 | 311.5 | 435.5 | 466.5 | 1015.8 | 1748.1 | 2114.4 | 2018.2 | 1826.0 | 1681.8 | 1632.6 |
| 100° | 248.5 | 360.9 | 473.3 | 501.5 | 1111.0 | 1923.7 | 2330.2 | 2337.2 | 2351.2 | 2361.7 | 2303.2 |
| 102.5° | 300.4 | 405.3 | 510.2 | 536.5 | 1154.7 | 1979.0 | 2391.2 | 2513.6 | 2758.6 | 2942.3 | 2892.1 |
| 105° | 388.6 | 477.4 | 566.3 | 588.4 | 1187.1 | 1985.3 | 2384.4 | 2659.0 | 3208.2 | 3620.0 | 3593.0 |
| 107.5° | 478.9 | 561.7 | 644.6 | 665.3 | 1193.1 | 1896.9 | 2248.8 | 2631.8 | 3397.9 | 3972.4 | 3978.9 |
| 110° | 539.9 | 614.7 | 689.5 | 708.2 | 1184.0 | 1818.6 | 2135.8 | 2564.0 | 3420.4 | 4062.7 | 4090.9 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 599.8 | 671.1 | 742.3 | 760.2 | 1184.5 | 1750.2 | 2033.1 | 2471.4 | 3347.8 | 4005.2 | 4048.3 |
| 115° | 690.1 | 755.9 | 821.6 | 838.1 | 1195.4 | 1671.7 | 1910.0 | 2332.1 | 3176.5 | 3809.7 | 3869.6 |
| 117.5° | 779.3 | 839.1 | 898.8 | 913.8 | 1217.6 | 1622.7 | 1825.3 | 2206.2 | 2968.3 | 3539.8 | 3606.2 |
| 120° | 831.3 | 887.5 | 943.8 | 957.8 | 1235.7 | 1606.2 | 1791.4 | 2139.5 | 2835.8 | 3358.0 | 3422.5 |
| 122.5° | 882.2 | 938.9 | 995.6 | 1009.8 | 1261.7 | 1597.5 | 1765.4 | 2078.9 | 2705.9 | 3176.1 | 3239.8 |
| 125° | 960.1 | 1011.8 | 1063.5 | 1076.4 | 1296.6 | 1590.4 | 1737.2 | 2003.5 | 2536.1 | 2935.5 | 2994.1 |
| 127.5° | 1023.3 | 1075.5 | 1127.7 | 1140.8 | 1331.7 | 1586.2 | 1713.5 | 1942.1 | 2399.4 | 2742.4 | 2791.8 |
| 130° | 1057.2 | 1113.4 | 1169.6 | 1183.7 | 1357.3 | 1588.7 | 1704.4 | 1908.0 | 2315.1 | 2620.4 | 2666.2 |
| 132.5° | 1092.3 | 1148.5 | 1204.7 | 1218.7 | 1377.9 | 1590.3 | 1696.5 | 1878.7 | 2243.2 | 2516.5 | 2557.4 |
| 135° | 1144.2 | 1195.4 | 1246.6 | 1259.4 | 1400.6 | 1588.8 | 1683.0 | 1835.6 | 2140.7 | 2369.6 | 2404.9 |
| 137.5° | 1197.3 | 1247.9 | 1298.6 | 1311.3 | 1434.4 | 1598.6 | 1680.7 | 1809.7 | 2067.7 | 2261.3 | 2290.1 |
| 140° | 1241.3 | 1288.0 | 1334.7 | 1346.3 | 1455.1 | 1600.2 | 1672.7 | 1784.2 | 2007.1 | 2174.3 | 2201.3 |
| 142.5° | 1275.2 | 1318.4 | 1361.5 | 1372.3 | 1472.4 | 1605.9 | 1672.7 | 1770.7 | 1966.5 | 2113.3 | 2136.5 |
| 145° | 1327.1 | 1364.8 | 1402.5 | 1411.9 | 1495.1 | 1606.0 | 1661.5 | 1741.5 | 1901.7 | 2021.8 | 2039.3 |
| 147.5° | 1379.1 | 1415.8 | 1452.4 | 1461.6 | 1528.2 | 1617.1 | 1661.5 | 1724.5 | 1850.5 | 1945.0 | 1959.6 |
| 150° | 1413.0 | 1446.1 | 1479.2 | 1487.5 | 1545.6 | 1622.9 | 1661.5 | 1714.7 | 1821.1 | 1900.9 | 1912.7 |
| 152.5° | 1448.0 | 1473.1 | 1498.2 | 1504.5 | 1556.8 | 1626.6 | 1661.5 | 1707.0 | 1797.7 | 1865.9 | 1874.8 |
| 155° | 1499.9 | 1518.5 | 1537.1 | 1541.8 | 1581.7 | 1634.9 | 1661.5 | 1697.6 | 1769.9 | 1824.1 | 1830.0 |
| 157.5° | 1538.3 | 1556.4 | 1574.5 | 1579.1 | 1606.6 | 1643.2 | 1661.5 | 1689.6 | 1745.8 | 1788.0 | 1792.1 |
| 160° | 1564.3 | 1578.4 | 1592.4 | 1596.0 | 1617.8 | 1646.9 | 1661.5 | 1685.6 | 1733.7 | 1769.9 | 1772.2 |
| 162.5° | 1590.3 | 1600.8 | 1611.4 | 1614.0 | 1629.8 | 1650.9 | 1661.5 | 1681.8 | 1722.4 | 1752.9 | 1755.2 |
| 165° | 1618.5 | 1628.0 | 1637.6 | 1640.0 | 1647.1 | 1656.7 | 1661.5 | 1676.1 | 1705.1 | 1727.0 | 1729.3 |
| 167.5° | 1644.5 | 1649.0 | 1653.5 | 1654.7 | 1660.7 | 1668.8 | 1672.7 | 1682.3 | 1701.4 | 1715.7 | 1716.7 |
| 170° | 1661.5 | 1666.0 | 1670.6 | 1671.7 | 1672.0 | 1672.5 | 1672.7 | 1682.3 | 1701.4 | 1715.7 | 1715.7 |
| 172.5° | 1670.5 | 1671.5 | 1672.5 | 1672.7 | 1672.7 | 1672.7 | 1672.7 | 1680.3 | 1695.4 | 1706.7 | 1705.8 |
| 175° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1679.5 | 1675.0 | 1672.7 | 1677.5 | 1687.0 | 1694.2 | 1694.2 |
| 177.5° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1680.3 | 1676.8 | 1675.0 | 1678.8 | 1686.3 | 1691.9 | 1690.9 |
| 180° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 |
| 2.5° | 1974.2 | 1968.6 | 1974.2 | 1970.4 | 1972.3 | 1966.8 | 1950.4 | 1945.0 | 1950.4 | 1955.9 | 1955.9 |
| 5° | 1997.8 | 1994.2 | 1997.8 | 1997.8 | 1996.0 | 1992.3 | 1974.2 | 1970.4 | 1974.2 | 1976.0 | 1972.3 |
| 7.5° | 2005.1 | 1999.6 | 2005.1 | 2001.4 | 2001.4 | 1997.8 | 1979.6 | 1976.0 | 1977.8 | 1983.2 | 1977.8 |
| 10° | 2005.1 | 1999.6 | 2005.1 | 2003.3 | 2001.4 | 1997.8 | 1979.6 | 1972.3 | 1972.3 | 1977.8 | 1972.3 |
| 12.5° | 1996.0 | 1992.3 | 1996.0 | 1992.3 | 1992.3 | 1988.7 | 1970.4 | 1963.2 | 1965.0 | 1966.8 | 1959.6 |
| 15° | 1981.4 | 1976.0 | 1981.4 | 1977.8 | 1979.6 | 1974.2 | 1954.1 | 1946.8 | 1946.8 | 1950.4 | 1937.7 |
| 17.5° | 1959.6 | 1952.3 | 1959.6 | 1957.8 | 1955.9 | 1952.3 | 1934.1 | 1926.8 | 1924.9 | 1926.8 | 1917.7 |
| 20° | 1934.1 | 1928.6 | 1934.1 | 1932.2 | 1932.2 | 1924.9 | 1906.7 | 1897.7 | 1897.7 | 1897.7 | 1888.5 |
| 22.5° | 1894.0 | 1888.5 | 1894.0 | 1897.7 | 1897.7 | 1895.8 | 1879.4 | 1866.7 | 1863.0 | 1863.0 | 1852.1 |
| 25° | 1848.4 | 1843.0 | 1848.4 | 1848.4 | 1846.6 | 1848.4 | 1843.0 | 1835.8 | 1830.2 | 1824.8 | 1813.9 |
| 27.5° | 1804.7 | 1801.1 | 1804.7 | 1801.1 | 1804.7 | 1799.3 | 1797.5 | 1795.7 | 1788.3 | 1782.9 | 1768.3 |
| 30° | 1761.1 | 1757.4 | 1761.1 | 1757.4 | 1753.7 | 1750.1 | 1741.0 | 1737.4 | 1744.7 | 1741.0 | 1717.4 |
| 32.5° | 1706.4 | 1702.8 | 1706.4 | 1706.4 | 1702.8 | 1702.8 | 1688.2 | 1682.7 | 1684.6 | 1695.5 | 1673.6 |
| 35° | 1649.9 | 1644.5 | 1649.9 | 1648.1 | 1649.9 | 1644.5 | 1635.4 | 1633.5 | 1626.3 | 1639.1 | 1622.7 |
| 37.5° | 1584.4 | 1579.0 | 1584.4 | 1584.4 | 1584.4 | 1588.0 | 1580.8 | 1575.3 | 1564.4 | 1580.8 | 1568.0 |
| 40° | 1517.0 | 1509.7 | 1517.0 | 1515.1 | 1517.0 | 1520.7 | 1517.0 | 1513.3 | 1502.5 | 1515.1 | 1504.3 |
| 42.5° | 1440.6 | 1438.7 | 1440.6 | 1442.4 | 1442.4 | 1449.6 | 1455.1 | 1447.8 | 1444.2 | 1435.0 | 1442.4 |
| 45° | 1358.6 | 1354.9 | 1358.6 | 1362.2 | 1364.1 | 1367.7 | 1384.1 | 1384.1 | 1378.7 | 1364.1 | 1374.9 |
| 47.5° | 1271.1 | 1262.1 | 1271.1 | 1282.1 | 1282.1 | 1287.6 | 1304.0 | 1316.6 | 1307.6 | 1289.4 | 1294.8 |
| 50° | 1178.2 | 1180.1 | 1178.2 | 1185.6 | 1185.6 | 1205.6 | 1218.3 | 1231.1 | 1240.2 | 1218.3 | 1192.8 |
| 52.5° | 1087.2 | 1085.4 | 1087.2 | 1092.7 | 1100.0 | 1109.1 | 1130.9 | 1143.7 | 1158.2 | 1145.5 | 1105.5 |
| 55° | 996.1 | 999.8 | 996.1 | 998.0 | 1001.7 | 1007.1 | 1039.8 | 1052.6 | 1079.9 | 1063.6 | 1021.7 |
| 57.5° | 905.1 | 899.6 | 905.1 | 908.8 | 910.6 | 916.0 | 943.4 | 967.0 | 983.5 | 985.3 | 934.2 |
| 60° | 799.4 | 792.2 | 799.4 | 815.9 | 819.5 | 823.2 | 848.7 | 870.5 | 885.1 | 890.5 | 837.7 |
| 62.5° | 706.6 | 693.9 | 706.6 | 717.5 | 724.9 | 733.9 | 752.1 | 785.0 | 797.6 | 799.4 | 724.9 |
| 65° | 608.3 | 602.8 | 608.3 | 630.1 | 631.9 | 642.8 | 662.9 | 686.6 | 713.9 | 710.3 | 602.8 |
| 67.5° | 519.0 | 519.0 | 519.0 | 533.6 | 544.5 | 550.0 | 575.5 | 586.5 | 621.0 | 624.7 | 502.6 |
| 70° | 437.1 | 435.3 | 437.1 | 448.0 | 455.3 | 468.1 | 491.7 | 504.4 | 531.8 | 540.9 | 408.0 |
| 72.5° | 358.8 | 356.9 | 358.8 | 367.9 | 375.2 | 386.1 | 406.1 | 420.7 | 444.3 | 455.3 | 316.9 |
| 75° | 289.6 | 285.9 | 289.6 | 296.8 | 295.0 | 309.6 | 325.9 | 340.5 | 362.4 | 369.7 | 234.9 |
| 77.5° | 222.2 | 222.2 | 222.2 | 229.5 | 229.5 | 244.0 | 251.4 | 269.6 | 282.3 | 293.2 | 173.0 |
| 80° | 165.7 | 163.9 | 165.7 | 167.5 | 167.5 | 174.8 | 187.5 | 200.3 | 211.3 | 211.3 | 118.4 |
| 82.5° | 116.6 | 112.9 | 116.6 | 116.6 | 116.6 | 120.2 | 127.4 | 131.2 | 138.4 | 143.8 | 74.7 |
| 85° | 72.9 | 72.9 | 72.9 | 74.7 | 72.9 | 76.5 | 78.3 | 81.9 | 81.9 | 78.3 | 45.5 |
| 87.5° | 47.3 | 45.5 | 47.3 | 45.5 | 45.5 | 43.7 | 43.7 | 43.7 | 41.9 | 40.1 | 25.5 |
| 90° | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 57.2 | 76.3 | 85.8 | 73.8 | 49.7 | 31.6 |
| 92.5° | 171.9 | 137.8 | 171.9 | 206.1 | 214.6 | 304.2 | 423.7 | 483.4 | 424.4 | 306.5 | 218.0 |
| 95° | 599.2 | 495.8 | 599.2 | 702.6 | 728.5 | 956.7 | 1260.9 | 1413.0 | 1193.4 | 754.1 | 424.7 |
| 97.5° | 1435.9 | 1239.1 | 1435.9 | 1632.6 | 1681.8 | 1826.0 | 2018.2 | 2114.4 | 1748.1 | 1015.8 | 466.5 |
| 100° | 2068.7 | 1834.3 | 2068.7 | 2303.2 | 2361.7 | 2351.2 | 2337.2 | 2330.2 | 1923.7 | 1111.0 | 501.5 |
| 102.5° | 2691.3 | 2490.6 | 2691.3 | 2892.1 | 2942.3 | 2758.6 | 2513.6 | 2391.2 | 1979.0 | 1154.7 | 536.5 |
| 105° | 3485.1 | 3377.2 | 3485.1 | 3593.0 | 3620.0 | 3208.2 | 2659.0 | 2384.4 | 1985.3 | 1187.1 | 588.4 |
| 107.5° | 4005.1 | 4031.1 | 4005.1 | 3978.9 | 3972.4 | 3397.9 | 2631.8 | 2248.8 | 1896.9 | 1193.1 | 665.3 |
| 110° | 4203.3 | 4315.8 | 4203.3 | 4090.9 | 4062.7 | 3420.4 | 2564.0 | 2135.8 | 1818.6 | 1184.0 | 708.2 |



TEST NUMBER: P935055
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4221.0 | 4393.7 | 4221.0 | 4048.3 | 4005.2 | 3347.8 | 2471.4 | 2033.1 | 1750.2 | 1184.5 | 760.2 |
| 115° | 4109.1 | 4348.5 | 4109.1 | 3869.6 | 3809.7 | 3176.5 | 2332.1 | 1910.0 | 1671.7 | 1195.4 | 838.1 |
| 117.5° | 3871.7 | 4137.3 | 3871.7 | 3606.2 | 3539.8 | 2968.3 | 2206.2 | 1825.3 | 1622.7 | 1217.6 | 913.8 |
| 120° | 3680.5 | 3938.5 | 3680.5 | 3422.5 | 3358.0 | 2835.8 | 2139.5 | 1791.4 | 1606.2 | 1235.7 | 957.8 |
| 122.5° | 3494.2 | 3748.7 | 3494.2 | 3239.8 | 3176.1 | 2705.9 | 2078.9 | 1765.4 | 1597.5 | 1261.7 | 1009.8 |
| 125° | 3228.5 | 3463.0 | 3228.5 | 2994.1 | 2935.5 | 2536.1 | 2003.5 | 1737.2 | 1590.4 | 1296.6 | 1076.4 |
| 127.5° | 2989.7 | 3187.4 | 2989.7 | 2791.8 | 2742.4 | 2399.4 | 1942.1 | 1713.5 | 1586.2 | 1331.7 | 1140.8 |
| 130° | 2848.8 | 3031.6 | 2848.8 | 2666.2 | 2620.4 | 2315.1 | 1908.0 | 1704.4 | 1588.7 | 1357.3 | 1183.7 |
| 132.5° | 2721.1 | 2884.7 | 2721.1 | 2557.4 | 2516.5 | 2243.2 | 1878.7 | 1696.5 | 1590.3 | 1377.9 | 1218.7 |
| 135° | 2545.9 | 2687.1 | 2545.9 | 2404.9 | 2369.6 | 2140.7 | 1835.6 | 1683.0 | 1588.8 | 1400.6 | 1259.4 |
| 137.5° | 2405.6 | 2521.1 | 2405.6 | 2290.1 | 2261.3 | 2067.7 | 1809.7 | 1680.7 | 1598.6 | 1434.4 | 1311.3 |
| 140° | 2309.2 | 2417.1 | 2309.2 | 2201.3 | 2174.3 | 2007.1 | 1784.2 | 1672.7 | 1600.2 | 1455.1 | 1346.3 |
| 142.5° | 2229.3 | 2322.2 | 2229.3 | 2136.5 | 2113.3 | 1966.5 | 1770.7 | 1672.7 | 1605.9 | 1472.4 | 1372.3 |
| 145° | 2109.7 | 2179.9 | 2109.7 | 2039.3 | 2021.8 | 1901.7 | 1741.5 | 1661.5 | 1606.0 | 1495.1 | 1411.9 |
| 147.5° | 2017.8 | 2076.0 | 2017.8 | 1959.6 | 1945.0 | 1850.5 | 1724.5 | 1661.5 | 1617.1 | 1528.2 | 1461.6 |
| 150° | 1959.9 | 2007.1 | 1959.9 | 1912.7 | 1900.9 | 1821.1 | 1714.7 | 1661.5 | 1622.9 | 1545.6 | 1487.5 |
| 152.5° | 1910.4 | 1946.1 | 1910.4 | 1874.8 | 1865.9 | 1797.7 | 1707.0 | 1661.5 | 1626.6 | 1556.8 | 1504.5 |
| 155° | 1853.6 | 1877.2 | 1853.6 | 1830.0 | 1824.1 | 1769.9 | 1697.6 | 1661.5 | 1634.9 | 1581.7 | 1541.8 |
| 157.5° | 1808.7 | 1825.3 | 1808.7 | 1792.1 | 1788.0 | 1745.8 | 1689.6 | 1661.5 | 1643.2 | 1606.6 | 1579.1 |
| 160° | 1781.8 | 1791.4 | 1781.8 | 1772.2 | 1769.9 | 1733.7 | 1685.6 | 1661.5 | 1646.9 | 1617.8 | 1596.0 |
| 162.5° | 1764.2 | 1773.3 | 1764.2 | 1755.2 | 1752.9 | 1722.4 | 1681.8 | 1661.5 | 1650.9 | 1629.8 | 1614.0 |
| 165° | 1738.9 | 1748.4 | 1738.9 | 1729.3 | 1727.0 | 1705.1 | 1676.1 | 1661.5 | 1656.7 | 1647.1 | 1640.0 |
| 167.5° | 1720.7 | 1724.7 | 1720.7 | 1716.7 | 1715.7 | 1701.4 | 1682.3 | 1672.7 | 1668.8 | 1660.7 | 1654.7 |
| 170° | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1701.4 | 1682.3 | 1672.7 | 1672.5 | 1672.0 | 1671.7 |
| 172.5° | 1702.2 | 1698.7 | 1702.2 | 1705.8 | 1706.7 | 1695.4 | 1680.3 | 1672.7 | 1672.7 | 1672.7 | 1672.7 |
| 175° | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1687.0 | 1677.5 | 1672.7 | 1675.0 | 1679.5 | 1683.0 |
| 177.5° | 1686.9 | 1683.0 | 1686.9 | 1690.9 | 1691.9 | 1686.3 | 1678.8 | 1675.0 | 1676.8 | 1680.3 | 1683.0 |
| 180° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |



TEST NUMBER: P935055
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 |
| 2.5° | 1952.3 | 1941.3 | 1941.3 | 1923.1 | 1915.9 | 1910.3 | 1901.3 | 1874.0 | 1866.7 | 1859.4 | 1870.3 |
| 5° | 1968.6 | 1948.6 | 1934.1 | 1901.3 | 1874.0 | 1863.0 | 1828.4 | 1762.9 | 1719.2 | 1686.4 | 1668.2 |
| 7.5° | 1972.3 | 1946.8 | 1919.5 | 1868.5 | 1802.9 | 1773.8 | 1668.2 | 1548.0 | 1515.1 | 1486.1 | 1467.8 |
| 10° | 1968.6 | 1939.5 | 1901.3 | 1824.8 | 1670.0 | 1619.0 | 1513.3 | 1435.0 | 1415.0 | 1409.6 | 1415.0 |
| 12.5° | 1955.9 | 1928.6 | 1875.8 | 1748.3 | 1531.6 | 1497.0 | 1435.0 | 1389.5 | 1385.9 | 1395.0 | 1444.2 |
| 15° | 1934.1 | 1908.5 | 1846.6 | 1646.3 | 1455.1 | 1429.6 | 1385.9 | 1369.5 | 1389.5 | 1453.2 | 1600.8 |
| 17.5° | 1912.2 | 1883.1 | 1806.6 | 1546.2 | 1396.8 | 1378.7 | 1347.6 | 1380.5 | 1493.3 | 1579.0 | 1628.1 |
| 20° | 1883.1 | 1848.4 | 1761.1 | 1473.3 | 1354.9 | 1338.6 | 1324.0 | 1471.5 | 1557.1 | 1588.0 | 1615.4 |
| 22.5° | 1848.4 | 1812.0 | 1699.2 | 1422.3 | 1311.2 | 1298.5 | 1307.6 | 1522.5 | 1557.1 | 1579.0 | 1602.6 |
| 25° | 1802.9 | 1771.9 | 1626.3 | 1382.3 | 1276.6 | 1262.1 | 1296.6 | 1517.0 | 1537.1 | 1542.5 | 1589.8 |
| 27.5° | 1761.1 | 1721.0 | 1549.8 | 1345.8 | 1234.7 | 1229.3 | 1305.8 | 1493.3 | 1507.9 | 1513.3 | 1564.4 |
| 30° | 1710.0 | 1649.9 | 1464.2 | 1307.6 | 1191.0 | 1189.2 | 1307.6 | 1464.2 | 1460.6 | 1475.1 | 1526.1 |
| 32.5° | 1657.3 | 1544.3 | 1367.7 | 1260.3 | 1149.1 | 1147.3 | 1294.8 | 1420.5 | 1416.8 | 1436.9 | 1475.1 |
| 35° | 1608.1 | 1462.4 | 1236.5 | 1205.6 | 1096.3 | 1098.1 | 1263.9 | 1369.5 | 1371.3 | 1389.5 | 1413.2 |
| 37.5° | 1557.1 | 1391.3 | 1092.7 | 1145.5 | 1045.4 | 1045.4 | 1222.0 | 1322.2 | 1318.5 | 1324.0 | 1356.7 |
| 40° | 1497.0 | 1280.3 | 965.2 | 1067.2 | 998.0 | 992.5 | 1171.0 | 1271.1 | 1258.4 | 1256.6 | 1302.1 |
| 42.5° | 1433.2 | 1158.2 | 870.5 | 963.4 | 943.4 | 936.0 | 1109.1 | 1209.2 | 1185.6 | 1191.0 | 1249.3 |
| 45° | 1364.1 | 1125.5 | 797.6 | 814.0 | 886.9 | 881.4 | 1041.7 | 1138.2 | 1121.9 | 1136.4 | 1196.5 |
| 47.5° | 1294.8 | 1059.9 | 774.0 | 675.6 | 826.8 | 825.0 | 967.0 | 1069.0 | 1059.9 | 1074.5 | 1138.2 |
| 50° | 1200.2 | 987.1 | 772.2 | 579.1 | 759.4 | 766.7 | 877.8 | 1001.7 | 1001.7 | 1014.4 | 1081.8 |
| 52.5° | 1078.1 | 897.8 | 701.1 | 524.5 | 681.1 | 702.9 | 799.4 | 943.4 | 947.0 | 959.7 | 1019.8 |
| 55° | 967.0 | 805.0 | 650.2 | 482.6 | 588.3 | 635.6 | 723.0 | 883.3 | 890.5 | 903.3 | 957.9 |
| 57.5° | 865.1 | 670.2 | 639.2 | 433.4 | 502.6 | 548.2 | 655.6 | 825.0 | 828.6 | 839.5 | 892.4 |
| 60° | 755.8 | 484.4 | 586.5 | 380.6 | 428.0 | 462.5 | 593.7 | 755.8 | 768.5 | 775.8 | 821.3 |
| 62.5° | 631.9 | 351.5 | 531.8 | 344.2 | 391.6 | 398.8 | 542.7 | 690.2 | 706.6 | 712.1 | 739.4 |
| 65° | 449.9 | 295.0 | 451.7 | 313.3 | 353.3 | 355.1 | 488.1 | 622.8 | 637.4 | 646.5 | 666.6 |
| 67.5° | 304.1 | 240.4 | 344.2 | 284.1 | 324.1 | 325.9 | 435.3 | 544.5 | 564.5 | 571.9 | 584.6 |
| 70° | 211.3 | 160.3 | 255.0 | 253.2 | 291.4 | 295.0 | 378.8 | 473.5 | 491.7 | 497.2 | 504.4 |
| 72.5° | 154.8 | 129.3 | 211.3 | 227.6 | 256.8 | 260.4 | 320.5 | 393.4 | 411.6 | 417.0 | 420.7 |
| 75° | 118.4 | 136.6 | 171.2 | 198.5 | 218.5 | 220.3 | 262.2 | 320.5 | 333.3 | 336.9 | 338.7 |
| 77.5° | 94.7 | 127.4 | 125.6 | 160.3 | 178.5 | 174.8 | 205.8 | 247.7 | 258.6 | 258.6 | 258.6 |
| 80° | 71.1 | 100.2 | 94.7 | 114.8 | 131.2 | 127.4 | 147.5 | 176.7 | 180.3 | 183.9 | 182.1 |
| 82.5° | 52.8 | 63.7 | 63.7 | 72.9 | 87.4 | 83.8 | 98.3 | 114.8 | 114.8 | 114.8 | 118.4 |
| 85° | 32.8 | 36.4 | 29.1 | 38.3 | 49.2 | 47.3 | 54.7 | 61.9 | 63.7 | 63.7 | 60.1 |
| 87.5° | 20.0 | 16.4 | 9.1 | 14.6 | 21.8 | 21.8 | 25.5 | 27.3 | 25.5 | 25.5 | 25.5 |
| 90° | 29.3 | 20.4 | 11.3 | 20.4 | 29.3 | 31.6 | 49.7 | 73.8 | 85.8 | 76.3 | 57.2 |
| 92.5° | 198.8 | 121.9 | 45.2 | 121.9 | 198.8 | 218.0 | 306.5 | 424.4 | 483.4 | 423.7 | 304.2 |
| 95° | 389.6 | 249.0 | 108.4 | 249.0 | 389.6 | 424.7 | 754.1 | 1193.4 | 1413.0 | 1260.9 | 956.7 |
| 97.5° | 435.5 | 311.5 | 187.5 | 311.5 | 435.5 | 466.5 | 1015.8 | 1748.1 | 2114.4 | 2018.2 | 1826.0 |
| 100° | 473.3 | 360.9 | 248.5 | 360.9 | 473.3 | 501.5 | 1111.0 | 1923.7 | 2330.2 | 2337.2 | 2351.2 |
| 102.5° | 510.2 | 405.3 | 300.4 | 405.3 | 510.2 | 536.5 | 1154.7 | 1979.0 | 2391.2 | 2513.6 | 2758.6 |
| 105° | 566.3 | 477.4 | 388.6 | 477.4 | 566.3 | 588.4 | 1187.1 | 1985.3 | 2384.4 | 2659.0 | 3208.2 |
| 107.5° | 644.6 | 561.7 | 478.9 | 561.7 | 644.6 | 665.3 | 1193.1 | 1896.9 | 2248.8 | 2631.8 | 3397.9 |
| 110° | 689.5 | 614.7 | 539.9 | 614.7 | 689.5 | 708.2 | 1184.0 | 1818.6 | 2135.8 | 2564.0 | 3420.4 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 742.3 | 671.1 | 599.8 | 671.1 | 742.3 | 760.2 | 1184.5 | 1750.2 | 2033.1 | 2471.4 | 3347.8 |
| 115° | 821.6 | 755.9 | 690.1 | 755.9 | 821.6 | 838.1 | 1195.4 | 1671.7 | 1910.0 | 2332.1 | 3176.5 |
| 117.5° | 898.8 | 839.1 | 779.3 | 839.1 | 898.8 | 913.8 | 1217.6 | 1622.7 | 1825.3 | 2206.2 | 2968.3 |
| 120° | 943.8 | 887.5 | 831.3 | 887.5 | 943.8 | 957.8 | 1235.7 | 1606.2 | 1791.4 | 2139.5 | 2835.8 |
| 122.5° | 995.6 | 938.9 | 882.2 | 938.9 | 995.6 | 1009.8 | 1261.7 | 1597.5 | 1765.4 | 2078.9 | 2705.9 |
| 125° | 1063.5 | 1011.8 | 960.1 | 1011.8 | 1063.5 | 1076.4 | 1296.6 | 1590.4 | 1737.2 | 2003.5 | 2536.1 |
| 127.5° | 1127.7 | 1075.5 | 1023.3 | 1075.5 | 1127.7 | 1140.8 | 1331.7 | 1586.2 | 1713.5 | 1942.1 | 2399.4 |
| 130° | 1169.6 | 1113.4 | 1057.2 | 1113.4 | 1169.6 | 1183.7 | 1357.3 | 1588.7 | 1704.4 | 1908.0 | 2315.1 |
| 132.5° | 1204.7 | 1148.5 | 1092.3 | 1148.5 | 1204.7 | 1218.7 | 1377.9 | 1590.3 | 1696.5 | 1878.7 | 2243.2 |
| 135° | 1246.6 | 1195.4 | 1144.2 | 1195.4 | 1246.6 | 1259.4 | 1400.6 | 1588.8 | 1683.0 | 1835.6 | 2140.7 |
| 137.5° | 1298.6 | 1247.9 | 1197.3 | 1247.9 | 1298.6 | 1311.3 | 1434.4 | 1598.6 | 1680.7 | 1809.7 | 2067.7 |
| 140° | 1334.7 | 1288.0 | 1241.3 | 1288.0 | 1334.7 | 1346.3 | 1455.1 | 1600.2 | 1672.7 | 1784.2 | 2007.1 |
| 142.5° | 1361.5 | 1318.4 | 1275.2 | 1318.4 | 1361.5 | 1372.3 | 1472.4 | 1605.9 | 1672.7 | 1770.7 | 1966.5 |
| 145° | 1402.5 | 1364.8 | 1327.1 | 1364.8 | 1402.5 | 1411.9 | 1495.1 | 1606.0 | 1661.5 | 1741.5 | 1901.7 |
| 147.5° | 1452.4 | 1415.8 | 1379.1 | 1415.8 | 1452.4 | 1461.6 | 1528.2 | 1617.1 | 1661.5 | 1724.5 | 1850.5 |
| 150° | 1479.2 | 1446.1 | 1413.0 | 1446.1 | 1479.2 | 1487.5 | 1545.6 | 1622.9 | 1661.5 | 1714.7 | 1821.1 |
| 152.5° | 1498.2 | 1473.1 | 1448.0 | 1473.1 | 1498.2 | 1504.5 | 1556.8 | 1626.6 | 1661.5 | 1707.0 | 1797.7 |
| 155° | 1537.1 | 1518.5 | 1499.9 | 1518.5 | 1537.1 | 1541.8 | 1581.7 | 1634.9 | 1661.5 | 1697.6 | 1769.9 |
| 157.5° | 1574.5 | 1556.4 | 1538.3 | 1556.4 | 1574.5 | 1579.1 | 1606.6 | 1643.2 | 1661.5 | 1689.6 | 1745.8 |
| 160° | 1592.4 | 1578.4 | 1564.3 | 1578.4 | 1592.4 | 1596.0 | 1617.8 | 1646.9 | 1661.5 | 1685.6 | 1733.7 |
| 162.5° | 1611.4 | 1600.8 | 1590.3 | 1600.8 | 1611.4 | 1614.0 | 1629.8 | 1650.9 | 1661.5 | 1681.8 | 1722.4 |
| 165° | 1637.6 | 1628.0 | 1618.5 | 1628.0 | 1637.6 | 1640.0 | 1647.1 | 1656.7 | 1661.5 | 1676.1 | 1705.1 |
| 167.5° | 1653.5 | 1649.0 | 1644.5 | 1649.0 | 1653.5 | 1654.7 | 1660.7 | 1668.8 | 1672.7 | 1682.3 | 1701.4 |
| 170° | 1670.6 | 1666.0 | 1661.5 | 1666.0 | 1670.6 | 1671.7 | 1672.0 | 1672.5 | 1672.7 | 1682.3 | 1701.4 |
| 172.5° | 1672.5 | 1671.5 | 1670.5 | 1671.5 | 1672.5 | 1672.7 | 1672.7 | 1672.7 | 1672.7 | 1680.3 | 1695.4 |
| 175° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1679.5 | 1675.0 | 1672.7 | 1677.5 | 1687.0 |
| 177.5° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1680.3 | 1676.8 | 1675.0 | 1678.8 | 1686.3 |
| 180° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |



TEST NUMBER: P935055
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 |
| 2.5° | 1857.6 | 1852.1 | 1859.4 | 1839.4 | 1859.4 | 1852.1 | 1857.6 | 1870.3 | 1859.4 | 1866.7 | 1874.0 |
| 5° | 1629.9 | 1620.8 | 1591.7 | 1568.0 | 1591.7 | 1620.8 | 1629.9 | 1668.2 | 1686.4 | 1719.2 | 1762.9 |
| 7.5° | 1456.9 | 1449.6 | 1442.4 | 1427.8 | 1442.4 | 1449.6 | 1456.9 | 1467.8 | 1486.1 | 1515.1 | 1548.0 |
| 10° | 1418.7 | 1420.5 | 1431.4 | 1429.6 | 1431.4 | 1420.5 | 1418.7 | 1415.0 | 1409.6 | 1415.0 | 1435.0 |
| 12.5° | 1517.0 | 1533.4 | 1593.5 | 1589.8 | 1593.5 | 1533.4 | 1517.0 | 1444.2 | 1395.0 | 1385.9 | 1389.5 |
| 15° | 1629.9 | 1635.4 | 1648.1 | 1649.9 | 1648.1 | 1635.4 | 1629.9 | 1600.8 | 1453.2 | 1389.5 | 1369.5 |
| 17.5° | 1640.9 | 1642.7 | 1651.7 | 1651.7 | 1651.7 | 1642.7 | 1640.9 | 1628.1 | 1579.0 | 1493.3 | 1380.5 |
| 20° | 1631.7 | 1635.4 | 1653.6 | 1657.3 | 1653.6 | 1635.4 | 1631.7 | 1615.4 | 1588.0 | 1557.1 | 1471.5 |
| 22.5° | 1628.1 | 1635.4 | 1649.9 | 1648.1 | 1649.9 | 1635.4 | 1628.1 | 1602.6 | 1579.0 | 1557.1 | 1522.5 |
| 25° | 1609.9 | 1609.9 | 1611.7 | 1613.5 | 1611.7 | 1609.9 | 1609.9 | 1589.8 | 1542.5 | 1537.1 | 1517.0 |
| 27.5° | 1571.6 | 1575.3 | 1586.2 | 1584.4 | 1586.2 | 1575.3 | 1571.6 | 1564.4 | 1513.3 | 1507.9 | 1493.3 |
| 30° | 1537.1 | 1533.4 | 1524.3 | 1517.0 | 1524.3 | 1533.4 | 1537.1 | 1526.1 | 1475.1 | 1460.6 | 1464.2 |
| 32.5° | 1478.8 | 1469.6 | 1460.6 | 1455.1 | 1460.6 | 1469.6 | 1478.8 | 1475.1 | 1436.9 | 1416.8 | 1420.5 |
| 35° | 1409.6 | 1411.4 | 1409.6 | 1404.1 | 1409.6 | 1411.4 | 1409.6 | 1413.2 | 1389.5 | 1371.3 | 1369.5 |
| 37.5° | 1360.4 | 1364.1 | 1362.2 | 1354.9 | 1362.2 | 1364.1 | 1360.4 | 1356.7 | 1324.0 | 1318.5 | 1322.2 |
| 40° | 1309.4 | 1311.2 | 1309.4 | 1304.0 | 1309.4 | 1311.2 | 1309.4 | 1302.1 | 1256.6 | 1258.4 | 1271.1 |
| 42.5° | 1260.3 | 1258.4 | 1252.9 | 1249.3 | 1252.9 | 1258.4 | 1260.3 | 1249.3 | 1191.0 | 1185.6 | 1209.2 |
| 45° | 1203.8 | 1205.6 | 1194.6 | 1189.2 | 1194.6 | 1205.6 | 1203.8 | 1196.5 | 1136.4 | 1121.9 | 1138.2 |
| 47.5° | 1147.3 | 1147.3 | 1138.2 | 1132.7 | 1138.2 | 1147.3 | 1147.3 | 1138.2 | 1074.5 | 1059.9 | 1069.0 |
| 50° | 1087.2 | 1085.4 | 1072.6 | 1070.8 | 1072.6 | 1085.4 | 1087.2 | 1081.8 | 1014.4 | 1001.7 | 1001.7 |
| 52.5° | 1018.0 | 1018.0 | 1019.8 | 1023.5 | 1019.8 | 1018.0 | 1018.0 | 1019.8 | 959.7 | 947.0 | 943.4 |
| 55° | 957.9 | 959.7 | 972.5 | 976.1 | 972.5 | 959.7 | 957.9 | 957.9 | 903.3 | 890.5 | 883.3 |
| 57.5° | 896.0 | 896.0 | 905.1 | 905.1 | 905.1 | 896.0 | 896.0 | 892.4 | 839.5 | 828.6 | 825.0 |
| 60° | 825.0 | 828.6 | 835.9 | 834.1 | 835.9 | 828.6 | 825.0 | 821.3 | 775.8 | 768.5 | 755.8 |
| 62.5° | 750.3 | 754.0 | 755.8 | 752.1 | 755.8 | 754.0 | 750.3 | 739.4 | 712.1 | 706.6 | 690.2 |
| 65° | 672.0 | 675.6 | 677.4 | 673.8 | 677.4 | 675.6 | 672.0 | 666.6 | 646.5 | 637.4 | 622.8 |
| 67.5° | 591.9 | 590.1 | 588.3 | 595.5 | 588.3 | 590.1 | 591.9 | 584.6 | 571.9 | 564.5 | 544.5 |
| 70° | 509.9 | 509.9 | 508.1 | 511.8 | 508.1 | 509.9 | 509.9 | 504.4 | 497.2 | 491.7 | 473.5 |
| 72.5° | 422.5 | 420.7 | 428.0 | 422.5 | 428.0 | 420.7 | 422.5 | 420.7 | 417.0 | 411.6 | 393.4 |
| 75° | 336.9 | 340.5 | 336.9 | 342.3 | 336.9 | 340.5 | 336.9 | 338.7 | 336.9 | 333.3 | 320.5 |
| 77.5° | 256.8 | 260.4 | 256.8 | 256.8 | 256.8 | 260.4 | 256.8 | 258.6 | 258.6 | 258.6 | 247.7 |
| 80° | 182.1 | 180.3 | 180.3 | 178.5 | 180.3 | 180.3 | 182.1 | 182.1 | 183.9 | 180.3 | 176.7 |
| 82.5° | 116.6 | 114.8 | 114.8 | 118.4 | 114.8 | 114.8 | 116.6 | 118.4 | 114.8 | 114.8 | 114.8 |
| 85° | 63.7 | 65.5 | 61.9 | 61.9 | 61.9 | 65.5 | 63.7 | 60.1 | 63.7 | 63.7 | 61.9 |
| 87.5° | 23.7 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 23.7 | 25.5 | 25.5 | 25.5 | 27.3 |
| 90° | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 57.2 | 76.3 | 85.8 | 73.8 |
| 92.5° | 214.6 | 206.1 | 171.9 | 137.8 | 171.9 | 206.1 | 214.6 | 304.2 | 423.7 | 483.4 | 424.4 |
| 95° | 728.5 | 702.6 | 599.2 | 495.8 | 599.2 | 702.6 | 728.5 | 956.7 | 1260.9 | 1413.0 | 1193.4 |
| 97.5° | 1681.8 | 1632.6 | 1435.9 | 1239.1 | 1435.9 | 1632.6 | 1681.8 | 1826.0 | 2018.2 | 2114.4 | 1748.1 |
| 100° | 2361.7 | 2303.2 | 2068.7 | 1834.3 | 2068.7 | 2303.2 | 2361.7 | 2351.2 | 2337.2 | 2330.2 | 1923.7 |
| 102.5° | 2942.3 | 2892.1 | 2691.3 | 2490.6 | 2691.3 | 2892.1 | 2942.3 | 2758.6 | 2513.6 | 2391.2 | 1979.0 |
| 105° | 3620.0 | 3593.0 | 3485.1 | 3377.2 | 3485.1 | 3593.0 | 3620.0 | 3208.2 | 2659.0 | 2384.4 | 1985.3 |
| 107.5° | 3972.4 | 3978.9 | 4005.1 | 4031.1 | 4005.1 | 3978.9 | 3972.4 | 3397.9 | 2631.8 | 2248.8 | 1896.9 |
| 110° | 4062.7 | 4090.9 | 4203.3 | 4315.8 | 4203.3 | 4090.9 | 4062.7 | 3420.4 | 2564.0 | 2135.8 | 1818.6 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4005.2 | 4048.3 | 4221.0 | 4393.7 | 4221.0 | 4048.3 | 4005.2 | 3347.8 | 2471.4 | 2033.1 | 1750.2 |
| 115° | 3809.7 | 3869.6 | 4109.1 | 4348.5 | 4109.1 | 3869.6 | 3809.7 | 3176.5 | 2332.1 | 1910.0 | 1671.7 |
| 117.5° | 3539.8 | 3606.2 | 3871.7 | 4137.3 | 3871.7 | 3606.2 | 3539.8 | 2968.3 | 2206.2 | 1825.3 | 1622.7 |
| 120° | 3358.0 | 3422.5 | 3680.5 | 3938.5 | 3680.5 | 3422.5 | 3358.0 | 2835.8 | 2139.5 | 1791.4 | 1606.2 |
| 122.5° | 3176.1 | 3239.8 | 3494.2 | 3748.7 | 3494.2 | 3239.8 | 3176.1 | 2705.9 | 2078.9 | 1765.4 | 1597.5 |
| 125° | 2935.5 | 2994.1 | 3228.5 | 3463.0 | 3228.5 | 2994.1 | 2935.5 | 2536.1 | 2003.5 | 1737.2 | 1590.4 |
| 127.5° | 2742.4 | 2791.8 | 2989.7 | 3187.4 | 2989.7 | 2791.8 | 2742.4 | 2399.4 | 1942.1 | 1713.5 | 1586.2 |
| 130° | 2620.4 | 2666.2 | 2848.8 | 3031.6 | 2848.8 | 2666.2 | 2620.4 | 2315.1 | 1908.0 | 1704.4 | 1588.7 |
| 132.5° | 2516.5 | 2557.4 | 2721.1 | 2884.7 | 2721.1 | 2557.4 | 2516.5 | 2243.2 | 1878.7 | 1696.5 | 1590.3 |
| 135° | 2369.6 | 2404.9 | 2545.9 | 2687.1 | 2545.9 | 2404.9 | 2369.6 | 2140.7 | 1835.6 | 1683.0 | 1588.8 |
| 137.5° | 2261.3 | 2290.1 | 2405.6 | 2521.1 | 2405.6 | 2290.1 | 2261.3 | 2067.7 | 1809.7 | 1680.7 | 1598.6 |
| 140° | 2174.3 | 2201.3 | 2309.2 | 2417.1 | 2309.2 | 2201.3 | 2174.3 | 2007.1 | 1784.2 | 1672.7 | 1600.2 |
| 142.5° | 2113.3 | 2136.5 | 2229.3 | 2322.2 | 2229.3 | 2136.5 | 2113.3 | 1966.5 | 1770.7 | 1672.7 | 1605.9 |
| 145° | 2021.8 | 2039.3 | 2109.7 | 2179.9 | 2109.7 | 2039.3 | 2021.8 | 1901.7 | 1741.5 | 1661.5 | 1606.0 |
| 147.5° | 1945.0 | 1959.6 | 2017.8 | 2076.0 | 2017.8 | 1959.6 | 1945.0 | 1850.5 | 1724.5 | 1661.5 | 1617.1 |
| 150° | 1900.9 | 1912.7 | 1959.9 | 2007.1 | 1959.9 | 1912.7 | 1900.9 | 1821.1 | 1714.7 | 1661.5 | 1622.9 |
| 152.5° | 1865.9 | 1874.8 | 1910.4 | 1946.1 | 1910.4 | 1874.8 | 1865.9 | 1797.7 | 1707.0 | 1661.5 | 1626.6 |
| 155° | 1824.1 | 1830.0 | 1853.6 | 1877.2 | 1853.6 | 1830.0 | 1824.1 | 1769.9 | 1697.6 | 1661.5 | 1634.9 |
| 157.5° | 1788.0 | 1792.1 | 1808.7 | 1825.3 | 1808.7 | 1792.1 | 1788.0 | 1745.8 | 1689.6 | 1661.5 | 1643.2 |
| 160° | 1769.9 | 1772.2 | 1781.8 | 1791.4 | 1781.8 | 1772.2 | 1769.9 | 1733.7 | 1685.6 | 1661.5 | 1646.9 |
| 162.5° | 1752.9 | 1755.2 | 1764.2 | 1773.3 | 1764.2 | 1755.2 | 1752.9 | 1722.4 | 1681.8 | 1661.5 | 1650.9 |
| 165° | 1727.0 | 1729.3 | 1738.9 | 1748.4 | 1738.9 | 1729.3 | 1727.0 | 1705.1 | 1676.1 | 1661.5 | 1656.7 |
| 167.5° | 1715.7 | 1716.7 | 1720.7 | 1724.7 | 1720.7 | 1716.7 | 1715.7 | 1701.4 | 1682.3 | 1672.7 | 1668.8 |
| 170° | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1701.4 | 1682.3 | 1672.7 | 1672.5 |
| 172.5° | 1706.7 | 1705.8 | 1702.2 | 1698.7 | 1702.2 | 1705.8 | 1706.7 | 1695.4 | 1680.3 | 1672.7 | 1672.7 |
| 175° | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1694.2 | 1687.0 | 1677.5 | 1672.7 | 1675.0 |
| 177.5° | 1691.9 | 1690.9 | 1686.9 | 1683.0 | 1686.9 | 1690.9 | 1691.9 | 1686.3 | 1678.8 | 1675.0 | 1676.8 |
| 180° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1924.9 | 1924.9 | 1924.9 | 1924.9 | 1924.9 |
| 2.5° | 1901.3 | 1910.3 | 1915.9 | 1923.1 | 1941.3 |
| 5° | 1828.4 | 1863.0 | 1874.0 | 1901.3 | 1934.1 |
| 7.5° | 1668.2 | 1773.8 | 1802.9 | 1868.5 | 1919.5 |
| 10° | 1513.3 | 1619.0 | 1670.0 | 1824.8 | 1901.3 |
| 12.5° | 1435.0 | 1497.0 | 1531.6 | 1748.3 | 1875.8 |
| 15° | 1385.9 | 1429.6 | 1455.1 | 1646.3 | 1846.6 |
| 17.5° | 1347.6 | 1378.7 | 1396.8 | 1546.2 | 1806.6 |
| 20° | 1324.0 | 1338.6 | 1354.9 | 1473.3 | 1761.1 |
| 22.5° | 1307.6 | 1298.5 | 1311.2 | 1422.3 | 1699.2 |
| 25° | 1296.6 | 1262.1 | 1276.6 | 1382.3 | 1626.3 |
| 27.5° | 1305.8 | 1229.3 | 1234.7 | 1345.8 | 1549.8 |
| 30° | 1307.6 | 1189.2 | 1191.0 | 1307.6 | 1464.2 |
| 32.5° | 1294.8 | 1147.3 | 1149.1 | 1260.3 | 1367.7 |
| 35° | 1263.9 | 1098.1 | 1096.3 | 1205.6 | 1236.5 |
| 37.5° | 1222.0 | 1045.4 | 1045.4 | 1145.5 | 1092.7 |
| 40° | 1171.0 | 992.5 | 998.0 | 1067.2 | 965.2 |
| 42.5° | 1109.1 | 936.0 | 943.4 | 963.4 | 870.5 |
| 45° | 1041.7 | 881.4 | 886.9 | 814.0 | 797.6 |
| 47.5° | 967.0 | 825.0 | 826.8 | 675.6 | 774.0 |
| 50° | 877.8 | 766.7 | 759.4 | 579.1 | 772.2 |
| 52.5° | 799.4 | 702.9 | 681.1 | 524.5 | 701.1 |
| 55° | 723.0 | 635.6 | 588.3 | 482.6 | 650.2 |
| 57.5° | 655.6 | 548.2 | 502.6 | 433.4 | 639.2 |
| 60° | 593.7 | 462.5 | 428.0 | 380.6 | 586.5 |
| 62.5° | 542.7 | 398.8 | 391.6 | 344.2 | 531.8 |
| 65° | 488.1 | 355.1 | 353.3 | 313.3 | 451.7 |
| 67.5° | 435.3 | 325.9 | 324.1 | 284.1 | 344.2 |
| 70° | 378.8 | 295.0 | 291.4 | 253.2 | 255.0 |
| 72.5° | 320.5 | 260.4 | 256.8 | 227.6 | 211.3 |
| 75° | 262.2 | 220.3 | 218.5 | 198.5 | 171.2 |
| 77.5° | 205.8 | 174.8 | 178.5 | 160.3 | 125.6 |
| 80° | 147.5 | 127.4 | 131.2 | 114.8 | 94.7 |
| 82.5° | 98.3 | 83.8 | 87.4 | 72.9 | 63.7 |
| 85° | 54.7 | 47.3 | 49.2 | 38.3 | 29.1 |
| 87.5° | 25.5 | 21.8 | 21.8 | 14.6 | 9.1 |
| 90° | 49.7 | 31.6 | 29.3 | 20.4 | 11.3 |
| 92.5° | 306.5 | 218.0 | 198.8 | 121.9 | 45.2 |
| 95° | 754.1 | 424.7 | 389.6 | 249.0 | 108.4 |
| 97.5° | 1015.8 | 466.5 | 435.5 | 311.5 | 187.5 |
| 100° | 1111.0 | 501.5 | 473.3 | 360.9 | 248.5 |
| 102.5° | 1154.7 | 536.5 | 510.2 | 405.3 | 300.4 |
| 105° | 1187.1 | 588.4 | 566.3 | 477.4 | 388.6 |
| 107.5° | 1193.1 | 665.3 | 644.6 | 561.7 | 478.9 |
| 110° | 1184.0 | 708.2 | 689.5 | 614.7 | 539.9 |



TEST NUMBER: P935055

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1184.5 | 760.2 | 742.3 | 671.1 | 599.8 |
| 115° | 1195.4 | 838.1 | 821.6 | 755.9 | 690.1 |
| 117.5° | 1217.6 | 913.8 | 898.8 | 839.1 | 779.3 |
| 120° | 1235.7 | 957.8 | 943.8 | 887.5 | 831.3 |
| 122.5° | 1261.7 | 1009.8 | 995.6 | 938.9 | 882.2 |
| 125° | 1296.6 | 1076.4 | 1063.5 | 1011.8 | 960.1 |
| 127.5° | 1331.7 | 1140.8 | 1127.7 | 1075.5 | 1023.3 |
| 130° | 1357.3 | 1183.7 | 1169.6 | 1113.4 | 1057.2 |
| 132.5° | 1377.9 | 1218.7 | 1204.7 | 1148.5 | 1092.3 |
| 135° | 1400.6 | 1259.4 | 1246.6 | 1195.4 | 1144.2 |
| 137.5° | 1434.4 | 1311.3 | 1298.6 | 1247.9 | 1197.3 |
| 140° | 1455.1 | 1346.3 | 1334.7 | 1288.0 | 1241.3 |
| 142.5° | 1472.4 | 1372.3 | 1361.5 | 1318.4 | 1275.2 |
| 145° | 1495.1 | 1411.9 | 1402.5 | 1364.8 | 1327.1 |
| 147.5° | 1528.2 | 1461.6 | 1452.4 | 1415.8 | 1379.1 |
| 150° | 1545.6 | 1487.5 | 1479.2 | 1446.1 | 1413.0 |
| 152.5° | 1556.8 | 1504.5 | 1498.2 | 1473.1 | 1448.0 |
| 155° | 1581.7 | 1541.8 | 1537.1 | 1518.5 | 1499.9 |
| 157.5° | 1606.6 | 1579.1 | 1574.5 | 1556.4 | 1538.3 |
| 160° | 1617.8 | 1596.0 | 1592.4 | 1578.4 | 1564.3 |
| 162.5° | 1629.8 | 1614.0 | 1611.4 | 1600.8 | 1590.3 |
| 165° | 1647.1 | 1640.0 | 1637.6 | 1628.0 | 1618.5 |
| 167.5° | 1660.7 | 1654.7 | 1653.5 | 1649.0 | 1644.5 |
| 170° | 1672.0 | 1671.7 | 1670.6 | 1666.0 | 1661.5 |
| 172.5° | 1672.7 | 1672.7 | 1672.5 | 1671.5 | 1670.5 |
| 175° | 1679.5 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |
| 177.5° | 1680.3 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |
| 180° | 1683.0 | 1683.0 | 1683.0 | 1683.0 | 1683.0 |



TEST NUMBER: P935055
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-4000K

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 | 8.99 | 9.70 | 10.09 | 10.80 | 12.32 | 11.84 | 12.55 | 12.94 | 13.65 | 15.17 |
| | 3H | 9.45 | 10.09 | 10.56 | 11.20 | 12.73 | 13.18 | 13.82 | 14.29 | 14.93 | 16.46 |
| | 4H | 9.64 | 10.24 | 10.76 | 11.35 | 12.89 | 13.62 | 14.23 | 14.74 | 15.34 | 16.87 |
| | 6H | 9.75 | 10.31 | 10.88 | 11.42 | 12.97 | 13.90 | 14.46 | 15.03 | 15.57 | 17.12 |
| | 8H | 9.74 | 10.28 | 10.88 | 11.40 | 12.94 | 13.98 | 14.51 | 15.11 | 15.63 | 17.18 |
| | 12H | 9.71 | 10.22 | 10.85 | 11.34 | 12.90 | 14.01 | 14.52 | 15.15 | 15.64 | 17.20 |
| 4H | 2H | 10.01 | 10.61 | 11.13 | 11.72 | 13.26 | 12.23 | 12.84 | 13.36 | 13.94 | 15.48 |
| | 3H | 11.02 | 11.53 | 12.15 | 12.66 | 14.21 | 13.73 | 14.23 | 14.86 | 15.37 | 16.92 |
| | 4H | 11.29 | 11.76 | 12.43 | 12.88 | 14.45 | 14.25 | 14.72 | 15.39 | 15.84 | 17.41 |
| | 6H | 11.41 | 11.80 | 12.55 | 12.95 | 14.51 | 14.62 | 15.01 | 15.76 | 16.16 | 17.72 |
| | 8H | 11.41 | 11.78 | 12.55 | 12.92 | 14.50 | 14.72 | 15.09 | 15.86 | 16.23 | 17.81 |
| | 12H | 11.37 | 11.71 | 12.53 | 12.86 | 14.44 | 14.78 | 15.11 | 15.94 | 16.26 | 17.84 |
| 8H | 4H | 11.73 | 12.11 | 12.88 | 13.25 | 14.82 | 14.36 | 14.74 | 15.51 | 15.88 | 17.45 |
| | 6H | 11.99 | 12.30 | 13.15 | 13.48 | 15.05 | 14.80 | 15.11 | 15.96 | 16.29 | 17.86 |
| | 8H | 12.03 | 12.30 | 13.20 | 13.46 | 15.05 | 14.95 | 15.22 | 16.12 | 16.38 | 17.98 |
| | 12H | 12.01 | 12.24 | 13.18 | 13.40 | 15.03 | 15.05 | 15.29 | 16.22 | 16.44 | 18.07 |
| 12H | 4H | 11.73 | 12.07 | 12.89 | 13.22 | 14.80 | 14.32 | 14.66 | 15.48 | 15.81 | 17.39 |
| | 6H | 12.05 | 12.32 | 13.22 | 13.48 | 15.07 | 14.80 | 15.07 | 15.97 | 16.22 | 17.82 |
| | 8H | 12.11 | 12.35 | 13.28 | 13.50 | 15.13 | 14.95 | 15.19 | 16.13 | 16.35 | 17.97 |