

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: P934015

Luminaire Tested: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934015
REPORT IS A COMBINATION OF REPORTS P933683 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

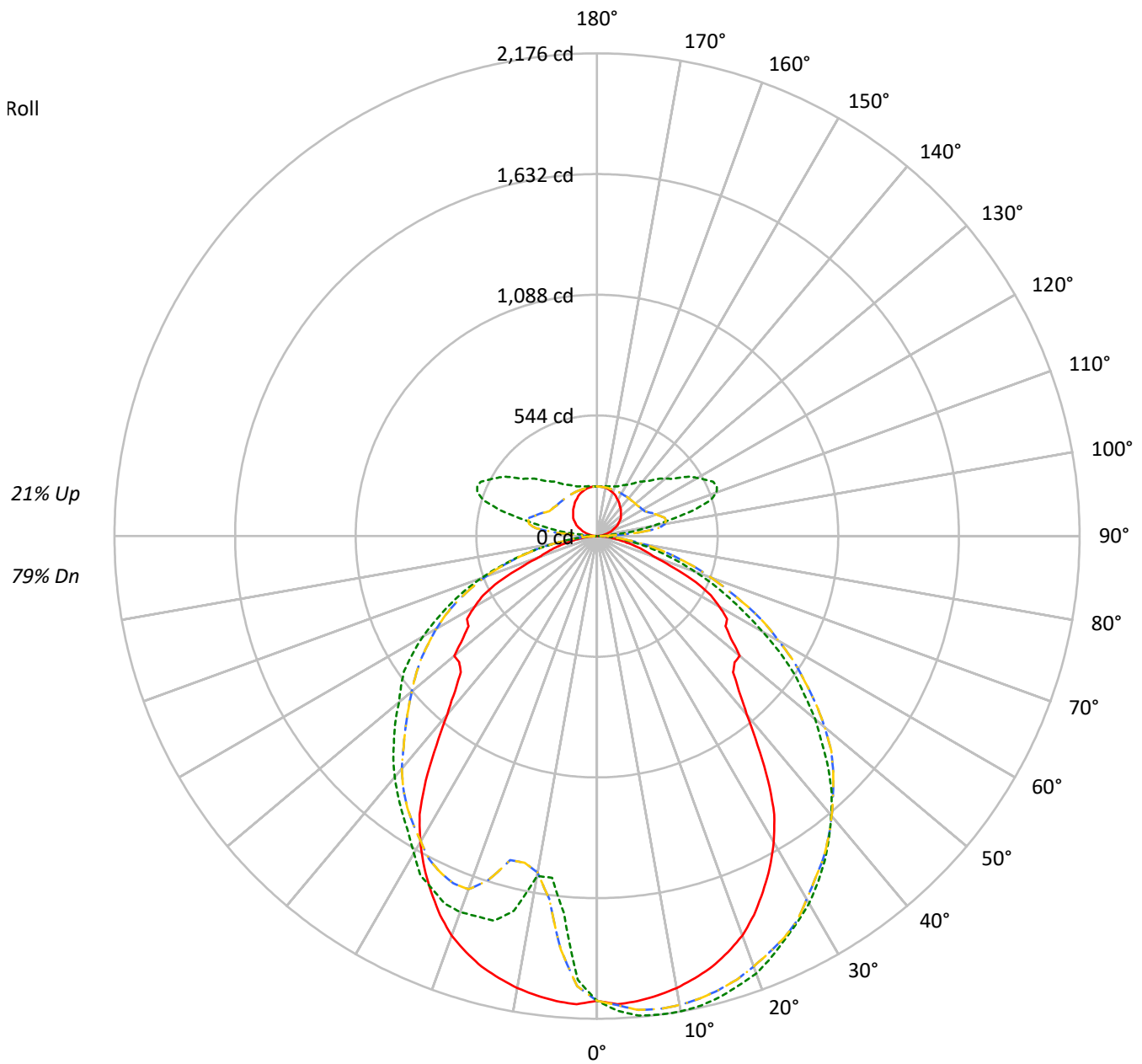
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6883.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 58.2
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: P934015
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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 | | | | 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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 | | | | 79 |
| 1 | 104 | 100 | 96 | 92 | 100 | 96 | 92 | 89 | 88 | 85 | 82 | 80 | 78 | 76 | 73 | 72 | 70 | 67 | | | | 67 |
| 2 | 95 | 87 | 81 | 76 | 91 | 84 | 78 | 73 | 77 | 72 | 68 | 70 | 67 | 64 | 65 | 62 | 59 | 56 | | | | 56 |
| 3 | 87 | 77 | 69 | 63 | 83 | 74 | 67 | 61 | 68 | 62 | 57 | 62 | 58 | 54 | 57 | 54 | 50 | 47 | | | | 47 |
| 4 | 79 | 68 | 60 | 53 | 76 | 65 | 58 | 52 | 60 | 54 | 49 | 56 | 50 | 46 | 51 | 47 | 43 | 41 | | | | 41 |
| 5 | 73 | 61 | 52 | 46 | 70 | 58 | 51 | 45 | 54 | 47 | 42 | 50 | 44 | 40 | 46 | 41 | 38 | 35 | | | | 35 |
| 6 | 67 | 55 | 46 | 40 | 64 | 53 | 45 | 39 | 49 | 42 | 37 | 45 | 39 | 35 | 42 | 37 | 33 | 31 | | | | 31 |
| 7 | 62 | 50 | 41 | 35 | 59 | 48 | 40 | 34 | 44 | 38 | 33 | 41 | 35 | 31 | 38 | 33 | 30 | 27 | | | | 27 |
| 8 | 58 | 45 | 37 | 31 | 55 | 44 | 36 | 31 | 40 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 24 | | | | 24 |
| 9 | 54 | 41 | 33 | 28 | 52 | 40 | 33 | 27 | 37 | 31 | 26 | 35 | 29 | 25 | 32 | 27 | 24 | 22 | | | | 22 |
| 10 | 51 | 38 | 30 | 25 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 32 | 27 | 23 | 30 | 25 | 22 | 20 | | | | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12958 | 12958 | 12958 | 12958 |
| 5° | 13049 | 13080 | 13049 | 10285 |
| 10° | 12958 | 12885 | 12958 | 9212 |
| 15° | 12812 | 12605 | 12812 | 10526 |
| 20° | 12539 | 12275 | 12539 | 10548 |
| 25° | 11986 | 11793 | 11986 | 10324 |
| 30° | 11273 | 11392 | 11273 | 9833 |
| 35° | 10045 | 10885 | 10045 | 9294 |
| 40° | 8365 | 10289 | 8365 | 8887 |
| 45° | 7469 | 9591 | 7469 | 8418 |
| 50° | 7929 | 8759 | 7929 | 7948 |
| 55° | 7453 | 7862 | 7453 | 7676 |
| 60° | 7673 | 6677 | 7673 | 7030 |
| 65° | 6946 | 5519 | 6946 | 6170 |
| 70° | 4798 | 4399 | 4798 | 5171 |
| 75° | 4192 | 3251 | 4192 | 3894 |
| 80° | 3352 | 2150 | 3352 | 2341 |
| 85° | 1890 | 1139 | 1890 | 968 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11455 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 189.1 | 2.7 |
| 10°-20° | 536.8 | 7.8 |
| 20°-30° | 829.9 | 12.1 |
| 30°-40° | 990.7 | 14.4 |
| 40°-50° | 996.5 | 14.5 |
| 50°-60° | 867.1 | 12.6 |
| 60°-70° | 614.8 | 8.9 |
| 70°-80° | 325.2 | 4.7 |
| 80°-90° | 81.9 | 1.2 |
| 90°-100° | 109.1 | 1.6 |
| 100°-110° | 286.9 | 4.2 |
| 110°-120° | 297.5 | 4.3 |
| 120°-130° | 238.6 | 3.5 |
| 130°-140° | 187.2 | 2.7 |
| 140°-150° | 143.7 | 2.1 |
| 150°-160° | 103.5 | 1.5 |
| 160°-170° | 63.3 | 0.9 |
| 170°-180° | 21.4 | 0.3 |
| 0°-30° | 1555.8 | 22.6 |
| 0°-40° | 2546.5 | 37.0 |
| 0°-60° | 4410.0 | 64.1 |
| 0°-90° | 5431.9 | 78.9 |
| 90°-120° | 693.4 | 10.1 |
| 90°-150° | 1262.9 | 18.3 |
| 90°-180° | 1451.0 | 21.1 |
| 0°-180° | 6883.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2095 | 2095 | 2095 | 2095 | 2095 | |
| 5° | 2104 | 2170 | 2104 | 1706 | 2104 | 200 |
| 15° | 2009 | 2150 | 2009 | 1795 | 2009 | 565 |
| 25° | 1770 | 2006 | 1770 | 1756 | 1770 | 813 |
| 35° | 1346 | 1789 | 1346 | 1528 | 1346 | 832 |
| 45° | 868 | 1474 | 868 | 1294 | 868 | 695 |
| 55° | 708 | 1088 | 708 | 1062 | 708 | 650 |
| 65° | 492 | 656 | 492 | 733 | 492 | 470 |
| 75° | 186 | 311 | 186 | 373 | 186 | 196 |
| 85° | 32 | 79 | 32 | 67 | 32 | 43 |
| 90° | 2 | 6 | 2 | 6 | 2 | 3 |
| 95° | 14 | 66 | 14 | 66 | 14 | 16 |
| 105° | 52 | 449 | 52 | 449 | 52 | 55 |
| 115° | 92 | 578 | 92 | 578 | 92 | 91 |
| 125° | 128 | 461 | 128 | 461 | 128 | 113 |
| 135° | 152 | 357 | 152 | 357 | 152 | 118 |
| 145° | 176 | 290 | 176 | 290 | 176 | 111 |
| 155° | 200 | 250 | 200 | 250 | 200 | 92 |
| 165° | 215 | 233 | 215 | 233 | 215 | 61 |
| 175° | 224 | 225 | 224 | 225 | 224 | 21 |
| 180° | 224 | 224 | 224 | 224 | 224 | |



TEST NUMBER: P934015
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CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 |
| 2.5° | 2112.5 | 2112.5 | 2124.4 | 2128.3 | 2128.3 | 2122.4 | 2116.4 | 2122.4 | 2140.2 | 2146.2 | 2144.2 |
| 5° | 2104.5 | 2120.4 | 2142.2 | 2146.2 | 2150.1 | 2148.1 | 2144.2 | 2148.1 | 2167.9 | 2171.9 | 2173.9 |
| 7.5° | 2088.7 | 2118.4 | 2146.2 | 2152.1 | 2158.0 | 2152.1 | 2150.1 | 2154.1 | 2173.9 | 2177.9 | 2177.9 |
| 10° | 2068.9 | 2110.5 | 2142.2 | 2146.2 | 2152.1 | 2146.2 | 2146.2 | 2154.1 | 2173.9 | 2177.9 | 2179.8 |
| 12.5° | 2041.1 | 2098.6 | 2128.3 | 2132.3 | 2140.2 | 2138.2 | 2136.2 | 2144.2 | 2164.0 | 2167.9 | 2167.9 |
| 15° | 2009.4 | 2076.8 | 2104.5 | 2108.5 | 2122.4 | 2118.4 | 2118.4 | 2126.3 | 2148.1 | 2154.1 | 2152.1 |
| 17.5° | 1965.8 | 2049.0 | 2080.8 | 2086.7 | 2096.6 | 2094.6 | 2096.6 | 2104.5 | 2124.4 | 2128.3 | 2130.3 |
| 20° | 1916.3 | 2011.4 | 2049.0 | 2055.0 | 2064.9 | 2064.9 | 2064.9 | 2074.8 | 2094.6 | 2102.6 | 2102.6 |
| 22.5° | 1848.9 | 1971.8 | 2011.4 | 2015.4 | 2027.3 | 2027.3 | 2031.2 | 2045.1 | 2062.9 | 2064.9 | 2064.9 |
| 25° | 1769.6 | 1928.2 | 1961.9 | 1973.7 | 1985.6 | 1991.6 | 1997.5 | 2005.5 | 2011.4 | 2009.4 | 2011.4 |
| 27.5° | 1686.4 | 1872.7 | 1916.3 | 1924.2 | 1940.1 | 1946.0 | 1953.9 | 1955.9 | 1957.9 | 1963.8 | 1959.9 |
| 30° | 1593.3 | 1795.4 | 1860.8 | 1868.7 | 1894.5 | 1898.4 | 1890.5 | 1894.5 | 1904.4 | 1908.4 | 1912.3 |
| 32.5° | 1488.2 | 1680.5 | 1803.3 | 1821.2 | 1844.9 | 1833.0 | 1831.1 | 1837.0 | 1852.9 | 1852.9 | 1856.8 |
| 35° | 1345.6 | 1591.3 | 1749.8 | 1765.7 | 1783.5 | 1769.6 | 1777.6 | 1779.5 | 1789.4 | 1795.4 | 1793.4 |
| 37.5° | 1189.0 | 1514.0 | 1694.3 | 1706.2 | 1720.1 | 1702.3 | 1714.1 | 1720.1 | 1728.0 | 1724.1 | 1724.1 |
| 40° | 1050.3 | 1393.1 | 1628.9 | 1636.9 | 1648.8 | 1634.9 | 1646.8 | 1650.7 | 1654.7 | 1650.7 | 1648.8 |
| 42.5° | 947.2 | 1260.3 | 1559.6 | 1569.5 | 1561.6 | 1571.5 | 1575.4 | 1583.4 | 1577.4 | 1569.5 | 1569.5 |
| 45° | 868.0 | 1224.7 | 1484.3 | 1496.2 | 1484.3 | 1500.1 | 1506.1 | 1506.1 | 1488.2 | 1484.3 | 1482.3 |
| 47.5° | 842.2 | 1153.3 | 1409.0 | 1409.0 | 1403.0 | 1422.8 | 1432.7 | 1418.9 | 1401.0 | 1395.1 | 1395.1 |
| 50° | 840.2 | 1074.1 | 1305.9 | 1298.0 | 1325.7 | 1349.5 | 1339.6 | 1325.7 | 1311.9 | 1290.1 | 1290.1 |
| 52.5° | 762.9 | 977.0 | 1173.1 | 1202.9 | 1246.5 | 1260.3 | 1244.5 | 1230.6 | 1206.8 | 1196.9 | 1189.0 |
| 55° | 707.5 | 875.9 | 1052.3 | 1111.7 | 1157.3 | 1175.1 | 1145.4 | 1131.5 | 1095.9 | 1089.9 | 1086.0 |
| 57.5° | 695.6 | 729.3 | 941.3 | 1016.6 | 1072.1 | 1070.1 | 1052.3 | 1026.5 | 996.8 | 990.8 | 988.9 |
| 60° | 638.1 | 527.1 | 822.4 | 911.6 | 969.0 | 963.1 | 947.2 | 923.5 | 895.7 | 891.8 | 887.8 |
| 62.5° | 578.6 | 382.5 | 687.6 | 788.7 | 870.0 | 868.0 | 854.1 | 818.4 | 798.6 | 788.7 | 780.8 |
| 65° | 491.5 | 321.0 | 489.5 | 655.9 | 772.9 | 776.8 | 747.1 | 721.3 | 699.5 | 687.6 | 685.7 |
| 67.5° | 374.5 | 261.6 | 330.9 | 546.9 | 679.7 | 675.8 | 638.1 | 626.2 | 598.5 | 592.5 | 580.6 |
| 70° | 277.4 | 174.4 | 229.9 | 443.9 | 588.6 | 578.6 | 548.9 | 535.1 | 509.3 | 495.4 | 487.5 |
| 72.5° | 229.9 | 140.7 | 168.4 | 344.8 | 495.4 | 483.5 | 457.8 | 441.9 | 420.1 | 408.2 | 400.3 |
| 75° | 186.3 | 148.6 | 128.8 | 255.6 | 402.3 | 394.4 | 370.6 | 354.7 | 336.9 | 321.0 | 323.0 |
| 77.5° | 136.7 | 138.7 | 103.0 | 188.3 | 319.0 | 307.2 | 293.3 | 273.5 | 265.5 | 249.7 | 249.7 |
| 80° | 103.0 | 109.0 | 77.3 | 128.8 | 229.9 | 229.9 | 218.0 | 204.1 | 190.2 | 182.3 | 182.3 |
| 82.5° | 69.4 | 69.4 | 57.5 | 81.2 | 156.6 | 150.6 | 142.7 | 138.7 | 130.8 | 126.8 | 126.8 |
| 85° | 31.7 | 39.6 | 35.7 | 49.5 | 85.2 | 89.2 | 89.2 | 85.2 | 83.2 | 79.3 | 81.2 |
| 87.5° | 9.9 | 17.8 | 21.8 | 27.7 | 43.6 | 45.6 | 47.6 | 47.6 | 47.6 | 49.5 | 49.5 |
| 90° | 1.5 | 2.7 | 3.9 | 4.2 | 6.6 | 9.8 | 11.4 | 10.1 | 7.6 | 5.7 | 5.7 |
| 92.5° | 6.0 | 16.2 | 26.4 | 29.0 | 40.8 | 56.5 | 64.3 | 56.3 | 40.4 | 28.5 | 27.4 |
| 95° | 14.4 | 33.1 | 51.8 | 56.5 | 100.3 | 158.7 | 187.9 | 167.7 | 127.2 | 96.9 | 93.5 |
| 97.5° | 24.9 | 41.4 | 57.9 | 62.0 | 135.1 | 232.5 | 281.2 | 268.4 | 242.9 | 223.7 | 217.2 |
| 100° | 33.1 | 48.0 | 63.0 | 66.7 | 147.8 | 255.9 | 309.9 | 310.8 | 312.7 | 314.1 | 306.3 |
| 102.5° | 40.0 | 54.0 | 67.9 | 71.4 | 153.6 | 263.2 | 318.0 | 334.3 | 366.9 | 391.4 | 384.7 |
| 105° | 51.7 | 63.5 | 75.3 | 78.3 | 157.9 | 264.0 | 317.1 | 353.6 | 426.7 | 481.5 | 477.9 |
| 107.5° | 63.7 | 74.7 | 85.7 | 88.5 | 158.7 | 252.3 | 299.1 | 350.1 | 452.0 | 528.4 | 529.3 |
| 110° | 71.8 | 81.8 | 91.7 | 94.2 | 157.5 | 241.9 | 284.1 | 341.1 | 455.0 | 540.4 | 544.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 79.8 | 89.3 | 98.7 | 101.1 | 157.5 | 232.8 | 270.4 | 328.7 | 445.3 | 532.7 | 538.4 |
| 115° | 91.8 | 100.6 | 109.3 | 111.5 | 159.0 | 222.3 | 254.0 | 310.2 | 422.5 | 506.7 | 514.7 |
| 117.5° | 103.7 | 111.6 | 119.5 | 121.5 | 161.9 | 215.8 | 242.8 | 293.5 | 394.8 | 470.8 | 479.6 |
| 120° | 110.6 | 118.1 | 125.5 | 127.4 | 164.4 | 213.7 | 238.3 | 284.6 | 377.2 | 446.7 | 455.3 |
| 122.5° | 117.3 | 124.9 | 132.4 | 134.3 | 167.8 | 212.5 | 234.8 | 276.5 | 359.9 | 422.5 | 431.0 |
| 125° | 127.7 | 134.6 | 141.5 | 143.2 | 172.5 | 211.6 | 231.1 | 266.5 | 337.4 | 390.5 | 398.3 |
| 127.5° | 136.1 | 143.0 | 150.0 | 151.7 | 177.1 | 211.0 | 227.9 | 258.3 | 319.2 | 364.8 | 371.4 |
| 130° | 140.6 | 148.1 | 155.5 | 157.4 | 180.5 | 211.3 | 226.7 | 253.8 | 307.9 | 348.5 | 354.6 |
| 132.5° | 145.3 | 152.8 | 160.2 | 162.1 | 183.3 | 211.6 | 225.7 | 249.9 | 298.4 | 334.7 | 340.1 |
| 135° | 152.2 | 159.0 | 165.8 | 167.5 | 186.3 | 211.4 | 223.9 | 244.2 | 284.8 | 315.2 | 319.9 |
| 137.5° | 159.3 | 166.0 | 172.7 | 174.4 | 190.8 | 212.7 | 223.6 | 240.8 | 275.1 | 300.8 | 304.6 |
| 140° | 165.1 | 171.3 | 177.5 | 179.1 | 193.6 | 212.9 | 222.5 | 237.3 | 267.0 | 289.2 | 292.8 |
| 142.5° | 169.6 | 175.3 | 181.1 | 182.5 | 195.8 | 213.6 | 222.5 | 235.5 | 261.6 | 281.1 | 284.2 |
| 145° | 176.5 | 181.5 | 186.5 | 187.8 | 198.9 | 213.6 | 221.0 | 231.6 | 252.9 | 268.9 | 271.2 |
| 147.5° | 183.4 | 188.3 | 193.2 | 194.4 | 203.3 | 215.1 | 221.0 | 229.4 | 246.1 | 258.7 | 260.6 |
| 150° | 187.9 | 192.3 | 196.8 | 197.9 | 205.6 | 215.9 | 221.0 | 228.1 | 242.2 | 252.8 | 254.4 |
| 152.5° | 192.6 | 195.9 | 199.3 | 200.1 | 207.1 | 216.4 | 221.0 | 227.0 | 239.1 | 248.2 | 249.4 |
| 155° | 199.5 | 202.0 | 204.5 | 205.1 | 210.4 | 217.5 | 221.0 | 225.8 | 235.4 | 242.6 | 243.4 |
| 157.5° | 204.6 | 207.0 | 209.4 | 210.0 | 213.7 | 218.6 | 221.0 | 224.7 | 232.2 | 237.8 | 238.4 |
| 160° | 208.1 | 210.0 | 211.8 | 212.3 | 215.2 | 219.1 | 221.0 | 224.2 | 230.6 | 235.4 | 235.7 |
| 162.5° | 211.5 | 212.9 | 214.3 | 214.7 | 216.8 | 219.6 | 221.0 | 223.7 | 229.1 | 233.2 | 233.5 |
| 165° | 215.3 | 216.5 | 217.8 | 218.1 | 219.1 | 220.4 | 221.0 | 222.9 | 226.8 | 229.7 | 230.0 |
| 167.5° | 218.7 | 219.3 | 219.9 | 220.1 | 220.9 | 222.0 | 222.5 | 223.8 | 226.3 | 228.2 | 228.3 |
| 170° | 221.0 | 221.6 | 222.2 | 222.3 | 222.4 | 222.5 | 222.5 | 223.8 | 226.3 | 228.2 | 228.2 |
| 172.5° | 222.2 | 222.3 | 222.5 | 222.5 | 222.5 | 222.5 | 222.5 | 223.5 | 225.5 | 227.0 | 226.9 |
| 175° | 223.9 | 223.9 | 223.9 | 223.9 | 223.4 | 222.8 | 222.5 | 223.1 | 224.4 | 225.4 | 225.4 |
| 177.5° | 223.9 | 223.9 | 223.9 | 223.9 | 223.5 | 223.0 | 222.8 | 223.3 | 224.3 | 225.1 | 225.0 |
| 180° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 |
| 2.5° | 2148.1 | 2142.2 | 2148.1 | 2144.2 | 2146.2 | 2140.2 | 2122.4 | 2116.4 | 2122.4 | 2128.3 | 2128.3 |
| 5° | 2173.9 | 2169.9 | 2173.9 | 2173.9 | 2171.9 | 2167.9 | 2148.1 | 2144.2 | 2148.1 | 2150.1 | 2146.2 |
| 7.5° | 2181.8 | 2175.9 | 2181.8 | 2177.9 | 2177.9 | 2173.9 | 2154.1 | 2150.1 | 2152.1 | 2158.0 | 2152.1 |
| 10° | 2181.8 | 2175.9 | 2181.8 | 2179.8 | 2177.9 | 2173.9 | 2154.1 | 2146.2 | 2146.2 | 2152.1 | 2146.2 |
| 12.5° | 2171.9 | 2167.9 | 2171.9 | 2167.9 | 2167.9 | 2164.0 | 2144.2 | 2136.2 | 2138.2 | 2140.2 | 2132.3 |
| 15° | 2156.1 | 2150.1 | 2156.1 | 2152.1 | 2154.1 | 2148.1 | 2126.3 | 2118.4 | 2118.4 | 2122.4 | 2108.5 |
| 17.5° | 2132.3 | 2124.4 | 2132.3 | 2130.3 | 2128.3 | 2124.4 | 2104.5 | 2096.6 | 2094.6 | 2096.6 | 2086.7 |
| 20° | 2104.5 | 2098.6 | 2104.5 | 2102.6 | 2102.6 | 2094.6 | 2074.8 | 2064.9 | 2064.9 | 2064.9 | 2055.0 |
| 22.5° | 2060.9 | 2055.0 | 2060.9 | 2064.9 | 2064.9 | 2062.9 | 2045.1 | 2031.2 | 2027.3 | 2027.3 | 2015.4 |
| 25° | 2011.4 | 2005.5 | 2011.4 | 2011.4 | 2009.4 | 2011.4 | 2005.5 | 1997.5 | 1991.6 | 1985.6 | 1973.7 |
| 27.5° | 1963.8 | 1959.9 | 1963.8 | 1959.9 | 1963.8 | 1957.9 | 1955.9 | 1953.9 | 1946.0 | 1940.1 | 1924.2 |
| 30° | 1916.3 | 1912.3 | 1916.3 | 1912.3 | 1908.4 | 1904.4 | 1894.5 | 1890.5 | 1898.4 | 1894.5 | 1868.7 |
| 32.5° | 1856.8 | 1852.9 | 1856.8 | 1856.8 | 1852.9 | 1852.9 | 1837.0 | 1831.1 | 1833.0 | 1844.9 | 1821.2 |
| 35° | 1795.4 | 1789.4 | 1795.4 | 1793.4 | 1795.4 | 1789.4 | 1779.5 | 1777.6 | 1769.6 | 1783.5 | 1765.7 |
| 37.5° | 1724.1 | 1718.1 | 1724.1 | 1724.1 | 1724.1 | 1728.0 | 1720.1 | 1714.1 | 1702.3 | 1720.1 | 1706.2 |
| 40° | 1650.7 | 1642.8 | 1650.7 | 1648.8 | 1650.7 | 1654.7 | 1650.7 | 1646.8 | 1634.9 | 1648.8 | 1636.9 |
| 42.5° | 1567.5 | 1565.5 | 1567.5 | 1569.5 | 1569.5 | 1577.4 | 1583.4 | 1575.4 | 1571.5 | 1561.6 | 1569.5 |
| 45° | 1478.3 | 1474.4 | 1478.3 | 1482.3 | 1484.3 | 1488.2 | 1506.1 | 1506.1 | 1500.1 | 1484.3 | 1496.2 |
| 47.5° | 1383.2 | 1373.3 | 1383.2 | 1395.1 | 1395.1 | 1401.0 | 1418.9 | 1432.7 | 1422.8 | 1403.0 | 1409.0 |
| 50° | 1282.1 | 1284.1 | 1282.1 | 1290.1 | 1290.1 | 1311.9 | 1325.7 | 1339.6 | 1349.5 | 1325.7 | 1298.0 |
| 52.5° | 1183.1 | 1181.1 | 1183.1 | 1189.0 | 1196.9 | 1206.8 | 1230.6 | 1244.5 | 1260.3 | 1246.5 | 1202.9 |
| 55° | 1084.0 | 1087.9 | 1084.0 | 1086.0 | 1089.9 | 1095.9 | 1131.5 | 1145.4 | 1175.1 | 1157.3 | 1111.7 |
| 57.5° | 984.9 | 978.9 | 984.9 | 988.9 | 990.8 | 996.8 | 1026.5 | 1052.3 | 1070.1 | 1072.1 | 1016.6 |
| 60° | 870.0 | 862.0 | 870.0 | 887.8 | 891.8 | 895.7 | 923.5 | 947.2 | 963.1 | 969.0 | 911.6 |
| 62.5° | 768.9 | 755.0 | 768.9 | 780.8 | 788.7 | 798.6 | 818.4 | 854.1 | 868.0 | 870.0 | 788.7 |
| 65° | 661.9 | 655.9 | 661.9 | 685.7 | 687.6 | 699.5 | 721.3 | 747.1 | 776.8 | 772.9 | 655.9 |
| 67.5° | 564.8 | 564.8 | 564.8 | 580.6 | 592.5 | 598.5 | 626.2 | 638.1 | 675.8 | 679.7 | 546.9 |
| 70° | 475.6 | 473.6 | 475.6 | 487.5 | 495.4 | 509.3 | 535.1 | 548.9 | 578.6 | 588.6 | 443.9 |
| 72.5° | 390.4 | 388.4 | 390.4 | 400.3 | 408.2 | 420.1 | 441.9 | 457.8 | 483.5 | 495.4 | 344.8 |
| 75° | 315.1 | 311.1 | 315.1 | 323.0 | 321.0 | 336.9 | 354.7 | 370.6 | 394.4 | 402.3 | 255.6 |
| 77.5° | 241.8 | 241.8 | 241.8 | 249.7 | 249.7 | 265.5 | 273.5 | 293.3 | 307.2 | 319.0 | 188.3 |
| 80° | 180.3 | 178.4 | 180.3 | 182.3 | 182.3 | 190.2 | 204.1 | 218.0 | 229.9 | 229.9 | 128.8 |
| 82.5° | 126.8 | 122.9 | 126.8 | 126.8 | 126.8 | 130.8 | 138.7 | 142.7 | 150.6 | 156.6 | 81.2 |
| 85° | 79.3 | 79.3 | 79.3 | 81.2 | 79.3 | 83.2 | 85.2 | 89.2 | 89.2 | 85.2 | 49.5 |
| 87.5° | 51.5 | 49.5 | 51.5 | 49.5 | 49.5 | 47.6 | 47.6 | 47.6 | 45.6 | 43.6 | 27.7 |
| 90° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 | 10.1 | 11.4 | 9.8 | 6.6 | 4.2 |
| 92.5° | 22.8 | 18.3 | 22.8 | 27.4 | 28.5 | 40.4 | 56.3 | 64.3 | 56.5 | 40.8 | 29.0 |
| 95° | 79.7 | 66.0 | 79.7 | 93.5 | 96.9 | 127.2 | 167.7 | 187.9 | 158.7 | 100.3 | 56.5 |
| 97.5° | 191.0 | 164.8 | 191.0 | 217.2 | 223.7 | 242.9 | 268.4 | 281.2 | 232.5 | 135.1 | 62.0 |
| 100° | 275.2 | 244.0 | 275.2 | 306.3 | 314.1 | 312.7 | 310.8 | 309.9 | 255.9 | 147.8 | 66.7 |
| 102.5° | 358.0 | 331.3 | 358.0 | 384.7 | 391.4 | 366.9 | 334.3 | 318.0 | 263.2 | 153.6 | 71.4 |
| 105° | 463.6 | 449.2 | 463.6 | 477.9 | 481.5 | 426.7 | 353.6 | 317.1 | 264.0 | 157.9 | 78.3 |
| 107.5° | 532.7 | 536.2 | 532.7 | 529.3 | 528.4 | 452.0 | 350.1 | 299.1 | 252.3 | 158.7 | 88.5 |
| 110° | 559.1 | 574.1 | 559.1 | 544.1 | 540.4 | 455.0 | 341.1 | 284.1 | 241.9 | 157.5 | 94.2 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 561.4 | 584.4 | 561.4 | 538.4 | 532.7 | 445.3 | 328.7 | 270.4 | 232.8 | 157.5 | 101.1 |
| 115° | 546.5 | 578.4 | 546.5 | 514.7 | 506.7 | 422.5 | 310.2 | 254.0 | 222.3 | 159.0 | 111.5 |
| 117.5° | 515.0 | 550.3 | 515.0 | 479.6 | 470.8 | 394.8 | 293.5 | 242.8 | 215.8 | 161.9 | 121.5 |
| 120° | 489.6 | 523.9 | 489.6 | 455.3 | 446.7 | 377.2 | 284.6 | 238.3 | 213.7 | 164.4 | 127.4 |
| 122.5° | 464.8 | 498.6 | 464.8 | 431.0 | 422.5 | 359.9 | 276.5 | 234.8 | 212.5 | 167.8 | 134.3 |
| 125° | 429.4 | 460.6 | 429.4 | 398.3 | 390.5 | 337.4 | 266.5 | 231.1 | 211.6 | 172.5 | 143.2 |
| 127.5° | 397.7 | 424.0 | 397.7 | 371.4 | 364.8 | 319.2 | 258.3 | 227.9 | 211.0 | 177.1 | 151.7 |
| 130° | 378.9 | 403.2 | 378.9 | 354.6 | 348.5 | 307.9 | 253.8 | 226.7 | 211.3 | 180.5 | 157.4 |
| 132.5° | 361.9 | 383.7 | 361.9 | 340.1 | 334.7 | 298.4 | 249.9 | 225.7 | 211.6 | 183.3 | 162.1 |
| 135° | 338.6 | 357.4 | 338.6 | 319.9 | 315.2 | 284.8 | 244.2 | 223.9 | 211.4 | 186.3 | 167.5 |
| 137.5° | 320.0 | 335.3 | 320.0 | 304.6 | 300.8 | 275.1 | 240.8 | 223.6 | 212.7 | 190.8 | 174.4 |
| 140° | 307.1 | 321.5 | 307.1 | 292.8 | 289.2 | 267.0 | 237.3 | 222.5 | 212.9 | 193.6 | 179.1 |
| 142.5° | 296.5 | 308.9 | 296.5 | 284.2 | 281.1 | 261.6 | 235.5 | 222.5 | 213.6 | 195.8 | 182.5 |
| 145° | 280.6 | 290.0 | 280.6 | 271.2 | 268.9 | 252.9 | 231.6 | 221.0 | 213.6 | 198.9 | 187.8 |
| 147.5° | 268.4 | 276.1 | 268.4 | 260.6 | 258.7 | 246.1 | 229.4 | 221.0 | 215.1 | 203.3 | 194.4 |
| 150° | 260.7 | 267.0 | 260.7 | 254.4 | 252.8 | 242.2 | 228.1 | 221.0 | 215.9 | 205.6 | 197.9 |
| 152.5° | 254.1 | 258.9 | 254.1 | 249.4 | 248.2 | 239.1 | 227.0 | 221.0 | 216.4 | 207.1 | 200.1 |
| 155° | 246.5 | 249.7 | 246.5 | 243.4 | 242.6 | 235.4 | 225.8 | 221.0 | 217.5 | 210.4 | 205.1 |
| 157.5° | 240.6 | 242.8 | 240.6 | 238.4 | 237.8 | 232.2 | 224.7 | 221.0 | 218.6 | 213.7 | 210.0 |
| 160° | 237.0 | 238.3 | 237.0 | 235.7 | 235.4 | 230.6 | 224.2 | 221.0 | 219.1 | 215.2 | 212.3 |
| 162.5° | 234.7 | 235.9 | 234.7 | 233.5 | 233.2 | 229.1 | 223.7 | 221.0 | 219.6 | 216.8 | 214.7 |
| 165° | 231.3 | 232.6 | 231.3 | 230.0 | 229.7 | 226.8 | 222.9 | 221.0 | 220.4 | 219.1 | 218.1 |
| 167.5° | 228.9 | 229.4 | 228.9 | 228.3 | 228.2 | 226.3 | 223.8 | 222.5 | 222.0 | 220.9 | 220.1 |
| 170° | 228.2 | 228.2 | 228.2 | 228.2 | 228.2 | 226.3 | 223.8 | 222.5 | 222.5 | 222.4 | 222.3 |
| 172.5° | 226.4 | 226.0 | 226.4 | 226.9 | 227.0 | 225.5 | 223.5 | 222.5 | 222.5 | 222.5 | 222.5 |
| 175° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 224.4 | 223.1 | 222.5 | 222.8 | 223.4 | 223.9 |
| 177.5° | 224.4 | 223.9 | 224.4 | 225.0 | 225.1 | 224.3 | 223.3 | 222.8 | 223.0 | 223.5 | 223.9 |
| 180° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 |
| 2.5° | 2124.4 | 2112.5 | 2112.5 | 2092.6 | 2084.7 | 2078.8 | 2068.9 | 2039.1 | 2031.2 | 2023.3 | 2035.2 |
| 5° | 2142.2 | 2120.4 | 2104.5 | 2068.9 | 2039.1 | 2027.3 | 1989.6 | 1918.3 | 1870.7 | 1835.0 | 1815.2 |
| 7.5° | 2146.2 | 2118.4 | 2088.7 | 2033.2 | 1961.9 | 1930.1 | 1815.2 | 1684.4 | 1648.8 | 1617.0 | 1597.2 |
| 10° | 2142.2 | 2110.5 | 2068.9 | 1985.6 | 1817.2 | 1761.7 | 1646.8 | 1561.6 | 1539.8 | 1533.8 | 1539.8 |
| 12.5° | 2128.3 | 2098.6 | 2041.1 | 1902.4 | 1666.6 | 1628.9 | 1561.6 | 1512.0 | 1508.1 | 1518.0 | 1571.5 |
| 15° | 2104.5 | 2076.8 | 2009.4 | 1791.4 | 1583.4 | 1555.6 | 1508.1 | 1490.2 | 1512.0 | 1581.4 | 1741.9 |
| 17.5° | 2080.8 | 2049.0 | 1965.8 | 1682.4 | 1519.9 | 1500.1 | 1466.4 | 1502.1 | 1625.0 | 1718.1 | 1771.6 |
| 20° | 2049.0 | 2011.4 | 1916.3 | 1603.2 | 1474.4 | 1456.5 | 1440.7 | 1601.2 | 1694.3 | 1728.0 | 1757.7 |
| 22.5° | 2011.4 | 1971.8 | 1848.9 | 1547.7 | 1426.8 | 1412.9 | 1422.8 | 1656.7 | 1694.3 | 1718.1 | 1743.9 |
| 25° | 1961.9 | 1928.2 | 1769.6 | 1504.1 | 1389.2 | 1373.3 | 1411.0 | 1650.7 | 1672.5 | 1678.5 | 1730.0 |
| 27.5° | 1916.3 | 1872.7 | 1686.4 | 1464.5 | 1343.6 | 1337.6 | 1420.9 | 1625.0 | 1640.8 | 1646.8 | 1702.3 |
| 30° | 1860.8 | 1795.4 | 1593.3 | 1422.8 | 1296.0 | 1294.0 | 1422.8 | 1593.3 | 1589.3 | 1605.2 | 1660.6 |
| 32.5° | 1803.3 | 1680.5 | 1488.2 | 1371.3 | 1250.4 | 1248.5 | 1409.0 | 1545.7 | 1541.7 | 1563.5 | 1605.2 |
| 35° | 1749.8 | 1591.3 | 1345.6 | 1311.9 | 1193.0 | 1194.9 | 1375.3 | 1490.2 | 1492.2 | 1512.0 | 1537.8 |
| 37.5° | 1694.3 | 1514.0 | 1189.0 | 1246.5 | 1137.5 | 1137.5 | 1329.7 | 1438.7 | 1434.7 | 1440.7 | 1476.3 |
| 40° | 1628.9 | 1393.1 | 1050.3 | 1161.3 | 1086.0 | 1080.0 | 1274.2 | 1383.2 | 1369.3 | 1367.4 | 1416.9 |
| 42.5° | 1559.6 | 1260.3 | 947.2 | 1048.3 | 1026.5 | 1018.6 | 1206.8 | 1315.8 | 1290.1 | 1296.0 | 1359.4 |
| 45° | 1484.3 | 1224.7 | 868.0 | 885.8 | 965.1 | 959.1 | 1133.5 | 1238.5 | 1220.7 | 1236.6 | 1302.0 |
| 47.5° | 1409.0 | 1153.3 | 842.2 | 735.2 | 899.7 | 897.7 | 1052.3 | 1163.2 | 1153.3 | 1169.2 | 1238.5 |
| 50° | 1305.9 | 1074.1 | 840.2 | 630.2 | 826.4 | 834.3 | 955.2 | 1089.9 | 1089.9 | 1103.8 | 1177.1 |
| 52.5° | 1173.1 | 977.0 | 762.9 | 570.7 | 741.1 | 764.9 | 870.0 | 1026.5 | 1030.5 | 1044.3 | 1109.7 |
| 55° | 1052.3 | 875.9 | 707.5 | 525.1 | 640.1 | 691.6 | 786.7 | 961.1 | 969.0 | 982.9 | 1042.4 |
| 57.5° | 941.3 | 729.3 | 695.6 | 471.6 | 546.9 | 596.5 | 713.4 | 897.7 | 901.7 | 913.6 | 971.0 |
| 60° | 822.4 | 527.1 | 638.1 | 414.2 | 465.7 | 503.3 | 646.0 | 822.4 | 836.3 | 844.2 | 893.7 |
| 62.5° | 687.6 | 382.5 | 578.6 | 374.5 | 426.1 | 434.0 | 590.5 | 751.1 | 768.9 | 774.8 | 804.6 |
| 65° | 489.5 | 321.0 | 491.5 | 340.8 | 384.4 | 386.4 | 531.1 | 677.7 | 693.6 | 703.5 | 725.3 |
| 67.5° | 330.9 | 261.6 | 374.5 | 309.1 | 352.7 | 354.7 | 473.6 | 592.5 | 614.3 | 622.2 | 636.1 |
| 70° | 229.9 | 174.4 | 277.4 | 275.5 | 317.1 | 321.0 | 412.2 | 515.2 | 535.1 | 541.0 | 548.9 |
| 72.5° | 168.4 | 140.7 | 229.9 | 247.7 | 279.4 | 283.4 | 348.8 | 428.0 | 447.9 | 453.8 | 457.8 |
| 75° | 128.8 | 148.6 | 186.3 | 216.0 | 237.8 | 239.8 | 285.4 | 348.8 | 362.6 | 366.6 | 368.6 |
| 77.5° | 103.0 | 138.7 | 136.7 | 174.4 | 194.2 | 190.2 | 223.9 | 269.5 | 281.4 | 281.4 | 281.4 |
| 80° | 77.3 | 109.0 | 103.0 | 124.8 | 142.7 | 138.7 | 160.5 | 192.2 | 196.2 | 200.1 | 198.2 |
| 82.5° | 57.5 | 69.4 | 69.4 | 79.3 | 95.1 | 91.2 | 107.0 | 124.8 | 124.8 | 124.8 | 128.8 |
| 85° | 35.7 | 39.6 | 31.7 | 41.6 | 53.5 | 51.5 | 59.5 | 67.4 | 69.4 | 69.4 | 65.4 |
| 87.5° | 21.8 | 17.8 | 9.9 | 15.9 | 23.8 | 23.8 | 27.7 | 29.7 | 27.7 | 27.7 | 27.7 |
| 90° | 3.9 | 2.7 | 1.5 | 2.7 | 3.9 | 4.2 | 6.6 | 9.8 | 11.4 | 10.1 | 7.6 |
| 92.5° | 26.4 | 16.2 | 6.0 | 16.2 | 26.4 | 29.0 | 40.8 | 56.5 | 64.3 | 56.3 | 40.4 |
| 95° | 51.8 | 33.1 | 14.4 | 33.1 | 51.8 | 56.5 | 100.3 | 158.7 | 187.9 | 167.7 | 127.2 |
| 97.5° | 57.9 | 41.4 | 24.9 | 41.4 | 57.9 | 62.0 | 135.1 | 232.5 | 281.2 | 268.4 | 242.9 |
| 100° | 63.0 | 48.0 | 33.1 | 48.0 | 63.0 | 66.7 | 147.8 | 255.9 | 309.9 | 310.8 | 312.7 |
| 102.5° | 67.9 | 54.0 | 40.0 | 54.0 | 67.9 | 71.4 | 153.6 | 263.2 | 318.0 | 334.3 | 366.9 |
| 105° | 75.3 | 63.5 | 51.7 | 63.5 | 75.3 | 78.3 | 157.9 | 264.0 | 317.1 | 353.6 | 426.7 |
| 107.5° | 85.7 | 74.7 | 63.7 | 74.7 | 85.7 | 88.5 | 158.7 | 252.3 | 299.1 | 350.1 | 452.0 |
| 110° | 91.7 | 81.8 | 71.8 | 81.8 | 91.7 | 94.2 | 157.5 | 241.9 | 284.1 | 341.1 | 455.0 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 98.7 | 89.3 | 79.8 | 89.3 | 98.7 | 101.1 | 157.5 | 232.8 | 270.4 | 328.7 | 445.3 |
| 115° | 109.3 | 100.6 | 91.8 | 100.6 | 109.3 | 111.5 | 159.0 | 222.3 | 254.0 | 310.2 | 422.5 |
| 117.5° | 119.5 | 111.6 | 103.7 | 111.6 | 119.5 | 121.5 | 161.9 | 215.8 | 242.8 | 293.5 | 394.8 |
| 120° | 125.5 | 118.1 | 110.6 | 118.1 | 125.5 | 127.4 | 164.4 | 213.7 | 238.3 | 284.6 | 377.2 |
| 122.5° | 132.4 | 124.9 | 117.3 | 124.9 | 132.4 | 134.3 | 167.8 | 212.5 | 234.8 | 276.5 | 359.9 |
| 125° | 141.5 | 134.6 | 127.7 | 134.6 | 141.5 | 143.2 | 172.5 | 211.6 | 231.1 | 266.5 | 337.4 |
| 127.5° | 150.0 | 143.0 | 136.1 | 143.0 | 150.0 | 151.7 | 177.1 | 211.0 | 227.9 | 258.3 | 319.2 |
| 130° | 155.5 | 148.1 | 140.6 | 148.1 | 155.5 | 157.4 | 180.5 | 211.3 | 226.7 | 253.8 | 307.9 |
| 132.5° | 160.2 | 152.8 | 145.3 | 152.8 | 160.2 | 162.1 | 183.3 | 211.6 | 225.7 | 249.9 | 298.4 |
| 135° | 165.8 | 159.0 | 152.2 | 159.0 | 165.8 | 167.5 | 186.3 | 211.4 | 223.9 | 244.2 | 284.8 |
| 137.5° | 172.7 | 166.0 | 159.3 | 166.0 | 172.7 | 174.4 | 190.8 | 212.7 | 223.6 | 240.8 | 275.1 |
| 140° | 177.5 | 171.3 | 165.1 | 171.3 | 177.5 | 179.1 | 193.6 | 212.9 | 222.5 | 237.3 | 267.0 |
| 142.5° | 181.1 | 175.3 | 169.6 | 175.3 | 181.1 | 182.5 | 195.8 | 213.6 | 222.5 | 235.5 | 261.6 |
| 145° | 186.5 | 181.5 | 176.5 | 181.5 | 186.5 | 187.8 | 198.9 | 213.6 | 221.0 | 231.6 | 252.9 |
| 147.5° | 193.2 | 188.3 | 183.4 | 188.3 | 193.2 | 194.4 | 203.3 | 215.1 | 221.0 | 229.4 | 246.1 |
| 150° | 196.8 | 192.3 | 187.9 | 192.3 | 196.8 | 197.9 | 205.6 | 215.9 | 221.0 | 228.1 | 242.2 |
| 152.5° | 199.3 | 195.9 | 192.6 | 195.9 | 199.3 | 200.1 | 207.1 | 216.4 | 221.0 | 227.0 | 239.1 |
| 155° | 204.5 | 202.0 | 199.5 | 202.0 | 204.5 | 205.1 | 210.4 | 217.5 | 221.0 | 225.8 | 235.4 |
| 157.5° | 209.4 | 207.0 | 204.6 | 207.0 | 209.4 | 210.0 | 213.7 | 218.6 | 221.0 | 224.7 | 232.2 |
| 160° | 211.8 | 210.0 | 208.1 | 210.0 | 211.8 | 212.3 | 215.2 | 219.1 | 221.0 | 224.2 | 230.6 |
| 162.5° | 214.3 | 212.9 | 211.5 | 212.9 | 214.3 | 214.7 | 216.8 | 219.6 | 221.0 | 223.7 | 229.1 |
| 165° | 217.8 | 216.5 | 215.3 | 216.5 | 217.8 | 218.1 | 219.1 | 220.4 | 221.0 | 222.9 | 226.8 |
| 167.5° | 219.9 | 219.3 | 218.7 | 219.3 | 219.9 | 220.1 | 220.9 | 222.0 | 222.5 | 223.8 | 226.3 |
| 170° | 222.2 | 221.6 | 221.0 | 221.6 | 222.2 | 222.3 | 222.4 | 222.5 | 222.5 | 223.8 | 226.3 |
| 172.5° | 222.5 | 222.3 | 222.2 | 222.3 | 222.5 | 222.5 | 222.5 | 222.5 | 222.5 | 223.5 | 225.5 |
| 175° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.4 | 222.8 | 222.5 | 223.1 | 224.4 |
| 177.5° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.5 | 223.0 | 222.8 | 223.3 | 224.3 |
| 180° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 |



TEST NUMBER: P934015
 CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 |
| 2.5° | 2021.3 | 2015.4 | 2023.3 | 2001.5 | 2023.3 | 2015.4 | 2021.3 | 2035.2 | 2023.3 | 2031.2 | 2039.1 |
| 5° | 1773.6 | 1763.7 | 1732.0 | 1706.2 | 1732.0 | 1763.7 | 1773.6 | 1815.2 | 1835.0 | 1870.7 | 1918.3 |
| 7.5° | 1585.3 | 1577.4 | 1569.5 | 1553.6 | 1569.5 | 1577.4 | 1585.3 | 1597.2 | 1617.0 | 1648.8 | 1684.4 |
| 10° | 1543.7 | 1545.7 | 1557.6 | 1555.6 | 1557.6 | 1545.7 | 1543.7 | 1539.8 | 1533.8 | 1539.8 | 1561.6 |
| 12.5° | 1650.7 | 1668.6 | 1734.0 | 1730.0 | 1734.0 | 1668.6 | 1650.7 | 1571.5 | 1518.0 | 1508.1 | 1512.0 |
| 15° | 1773.6 | 1779.5 | 1793.4 | 1795.4 | 1793.4 | 1779.5 | 1773.6 | 1741.9 | 1581.4 | 1512.0 | 1490.2 |
| 17.5° | 1785.5 | 1787.5 | 1797.4 | 1797.4 | 1797.4 | 1787.5 | 1785.5 | 1771.6 | 1718.1 | 1625.0 | 1502.1 |
| 20° | 1775.6 | 1779.5 | 1799.4 | 1803.3 | 1799.4 | 1779.5 | 1775.6 | 1757.7 | 1728.0 | 1694.3 | 1601.2 |
| 22.5° | 1771.6 | 1779.5 | 1795.4 | 1793.4 | 1795.4 | 1779.5 | 1771.6 | 1743.9 | 1718.1 | 1694.3 | 1656.7 |
| 25° | 1751.8 | 1751.8 | 1753.8 | 1755.8 | 1753.8 | 1751.8 | 1751.8 | 1730.0 | 1678.5 | 1672.5 | 1650.7 |
| 27.5° | 1710.2 | 1714.1 | 1726.0 | 1724.1 | 1726.0 | 1714.1 | 1710.2 | 1702.3 | 1646.8 | 1640.8 | 1625.0 |
| 30° | 1672.5 | 1668.6 | 1658.7 | 1650.7 | 1658.7 | 1668.6 | 1672.5 | 1660.6 | 1605.2 | 1589.3 | 1593.3 |
| 32.5° | 1609.1 | 1599.2 | 1589.3 | 1583.4 | 1589.3 | 1599.2 | 1609.1 | 1605.2 | 1563.5 | 1541.7 | 1545.7 |
| 35° | 1533.8 | 1535.8 | 1533.8 | 1527.9 | 1533.8 | 1535.8 | 1533.8 | 1537.8 | 1512.0 | 1492.2 | 1490.2 |
| 37.5° | 1480.3 | 1484.3 | 1482.3 | 1474.4 | 1482.3 | 1484.3 | 1480.3 | 1476.3 | 1440.7 | 1434.7 | 1438.7 |
| 40° | 1424.8 | 1426.8 | 1424.8 | 1418.9 | 1424.8 | 1426.8 | 1424.8 | 1416.9 | 1367.4 | 1369.3 | 1383.2 |
| 42.5° | 1371.3 | 1369.3 | 1363.4 | 1359.4 | 1363.4 | 1369.3 | 1371.3 | 1359.4 | 1296.0 | 1290.1 | 1315.8 |
| 45° | 1309.9 | 1311.9 | 1300.0 | 1294.0 | 1300.0 | 1311.9 | 1309.9 | 1302.0 | 1236.6 | 1220.7 | 1238.5 |
| 47.5° | 1248.5 | 1248.5 | 1238.5 | 1232.6 | 1238.5 | 1248.5 | 1248.5 | 1238.5 | 1169.2 | 1153.3 | 1163.2 |
| 50° | 1183.1 | 1181.1 | 1167.2 | 1165.2 | 1167.2 | 1181.1 | 1183.1 | 1177.1 | 1103.8 | 1089.9 | 1089.9 |
| 52.5° | 1107.8 | 1107.8 | 1109.7 | 1113.7 | 1109.7 | 1107.8 | 1107.8 | 1109.7 | 1044.3 | 1030.5 | 1026.5 |
| 55° | 1042.4 | 1044.3 | 1058.2 | 1062.2 | 1058.2 | 1044.3 | 1042.4 | 1042.4 | 982.9 | 969.0 | 961.1 |
| 57.5° | 975.0 | 975.0 | 984.9 | 984.9 | 984.9 | 975.0 | 975.0 | 971.0 | 913.6 | 901.7 | 897.7 |
| 60° | 897.7 | 901.7 | 909.6 | 907.6 | 909.6 | 901.7 | 897.7 | 893.7 | 844.2 | 836.3 | 822.4 |
| 62.5° | 816.4 | 820.4 | 822.4 | 818.4 | 822.4 | 820.4 | 816.4 | 804.6 | 774.8 | 768.9 | 751.1 |
| 65° | 731.2 | 735.2 | 737.2 | 733.2 | 737.2 | 735.2 | 731.2 | 725.3 | 703.5 | 693.6 | 677.7 |
| 67.5° | 644.0 | 642.1 | 640.1 | 648.0 | 640.1 | 642.1 | 644.0 | 636.1 | 622.2 | 614.3 | 592.5 |
| 70° | 554.9 | 554.9 | 552.9 | 556.8 | 552.9 | 554.9 | 554.9 | 548.9 | 541.0 | 535.1 | 515.2 |
| 72.5° | 459.7 | 457.8 | 465.7 | 459.7 | 465.7 | 457.8 | 459.7 | 457.8 | 453.8 | 447.9 | 428.0 |
| 75° | 366.6 | 370.6 | 366.6 | 372.6 | 366.6 | 370.6 | 366.6 | 368.6 | 366.6 | 362.6 | 348.8 |
| 77.5° | 279.4 | 283.4 | 279.4 | 279.4 | 279.4 | 283.4 | 279.4 | 281.4 | 281.4 | 281.4 | 269.5 |
| 80° | 198.2 | 196.2 | 196.2 | 194.2 | 196.2 | 196.2 | 198.2 | 198.2 | 200.1 | 196.2 | 192.2 |
| 82.5° | 126.8 | 124.8 | 124.8 | 128.8 | 124.8 | 124.8 | 126.8 | 128.8 | 124.8 | 124.8 | 124.8 |
| 85° | 69.4 | 71.3 | 67.4 | 67.4 | 67.4 | 71.3 | 69.4 | 65.4 | 69.4 | 69.4 | 67.4 |
| 87.5° | 25.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 25.8 | 27.7 | 27.7 | 27.7 | 29.7 |
| 90° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 | 10.1 | 11.4 | 9.8 |
| 92.5° | 28.5 | 27.4 | 22.8 | 18.3 | 22.8 | 27.4 | 28.5 | 40.4 | 56.3 | 64.3 | 56.5 |
| 95° | 96.9 | 93.5 | 79.7 | 66.0 | 79.7 | 93.5 | 96.9 | 127.2 | 167.7 | 187.9 | 158.7 |
| 97.5° | 223.7 | 217.2 | 191.0 | 164.8 | 191.0 | 217.2 | 223.7 | 242.9 | 268.4 | 281.2 | 232.5 |
| 100° | 314.1 | 306.3 | 275.2 | 244.0 | 275.2 | 306.3 | 314.1 | 312.7 | 310.8 | 309.9 | 255.9 |
| 102.5° | 391.4 | 384.7 | 358.0 | 331.3 | 358.0 | 384.7 | 391.4 | 366.9 | 334.3 | 318.0 | 263.2 |
| 105° | 481.5 | 477.9 | 463.6 | 449.2 | 463.6 | 477.9 | 481.5 | 426.7 | 353.6 | 317.1 | 264.0 |
| 107.5° | 528.4 | 529.3 | 532.7 | 536.2 | 532.7 | 529.3 | 528.4 | 452.0 | 350.1 | 299.1 | 252.3 |
| 110° | 540.4 | 544.1 | 559.1 | 574.1 | 559.1 | 544.1 | 540.4 | 455.0 | 341.1 | 284.1 | 241.9 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 112.5° | 532.7 | 538.4 | 561.4 | 584.4 | 561.4 | 538.4 | 532.7 | 445.3 | 328.7 | 270.4 | 232.8 |
| 115° | 506.7 | 514.7 | 546.5 | 578.4 | 546.5 | 514.7 | 506.7 | 422.5 | 310.2 | 254.0 | 222.3 |
| 117.5° | 470.8 | 479.6 | 515.0 | 550.3 | 515.0 | 479.6 | 470.8 | 394.8 | 293.5 | 242.8 | 215.8 |
| 120° | 446.7 | 455.3 | 489.6 | 523.9 | 489.6 | 455.3 | 446.7 | 377.2 | 284.6 | 238.3 | 213.7 |
| 122.5° | 422.5 | 431.0 | 464.8 | 498.6 | 464.8 | 431.0 | 422.5 | 359.9 | 276.5 | 234.8 | 212.5 |
| 125° | 390.5 | 398.3 | 429.4 | 460.6 | 429.4 | 398.3 | 390.5 | 337.4 | 266.5 | 231.1 | 211.6 |
| 127.5° | 364.8 | 371.4 | 397.7 | 424.0 | 397.7 | 371.4 | 364.8 | 319.2 | 258.3 | 227.9 | 211.0 |
| 130° | 348.5 | 354.6 | 378.9 | 403.2 | 378.9 | 354.6 | 348.5 | 307.9 | 253.8 | 226.7 | 211.3 |
| 132.5° | 334.7 | 340.1 | 361.9 | 383.7 | 361.9 | 340.1 | 334.7 | 298.4 | 249.9 | 225.7 | 211.6 |
| 135° | 315.2 | 319.9 | 338.6 | 357.4 | 338.6 | 319.9 | 315.2 | 284.8 | 244.2 | 223.9 | 211.4 |
| 137.5° | 300.8 | 304.6 | 320.0 | 335.3 | 320.0 | 304.6 | 300.8 | 275.1 | 240.8 | 223.6 | 212.7 |
| 140° | 289.2 | 292.8 | 307.1 | 321.5 | 307.1 | 292.8 | 289.2 | 267.0 | 237.3 | 222.5 | 212.9 |
| 142.5° | 281.1 | 284.2 | 296.5 | 308.9 | 296.5 | 284.2 | 281.1 | 261.6 | 235.5 | 222.5 | 213.6 |
| 145° | 268.9 | 271.2 | 280.6 | 290.0 | 280.6 | 271.2 | 268.9 | 252.9 | 231.6 | 221.0 | 213.6 |
| 147.5° | 258.7 | 260.6 | 268.4 | 276.1 | 268.4 | 260.6 | 258.7 | 246.1 | 229.4 | 221.0 | 215.1 |
| 150° | 252.8 | 254.4 | 260.7 | 267.0 | 260.7 | 254.4 | 252.8 | 242.2 | 228.1 | 221.0 | 215.9 |
| 152.5° | 248.2 | 249.4 | 254.1 | 258.9 | 254.1 | 249.4 | 248.2 | 239.1 | 227.0 | 221.0 | 216.4 |
| 155° | 242.6 | 243.4 | 246.5 | 249.7 | 246.5 | 243.4 | 242.6 | 235.4 | 225.8 | 221.0 | 217.5 |
| 157.5° | 237.8 | 238.4 | 240.6 | 242.8 | 240.6 | 238.4 | 237.8 | 232.2 | 224.7 | 221.0 | 218.6 |
| 160° | 235.4 | 235.7 | 237.0 | 238.3 | 237.0 | 235.7 | 235.4 | 230.6 | 224.2 | 221.0 | 219.1 |
| 162.5° | 233.2 | 233.5 | 234.7 | 235.9 | 234.7 | 233.5 | 233.2 | 229.1 | 223.7 | 221.0 | 219.6 |
| 165° | 229.7 | 230.0 | 231.3 | 232.6 | 231.3 | 230.0 | 229.7 | 226.8 | 222.9 | 221.0 | 220.4 |
| 167.5° | 228.2 | 228.3 | 228.9 | 229.4 | 228.9 | 228.3 | 228.2 | 226.3 | 223.8 | 222.5 | 222.0 |
| 170° | 228.2 | 228.2 | 228.2 | 228.2 | 228.2 | 228.2 | 228.2 | 226.3 | 223.8 | 222.5 | 222.5 |
| 172.5° | 227.0 | 226.9 | 226.4 | 226.0 | 226.4 | 226.9 | 227.0 | 225.5 | 223.5 | 222.5 | 222.5 |
| 175° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 224.4 | 223.1 | 222.5 | 222.8 |
| 177.5° | 225.1 | 225.0 | 224.4 | 223.9 | 224.4 | 225.0 | 225.1 | 224.3 | 223.3 | 222.8 | 223.0 |
| 180° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 |



TEST NUMBER: P934015
 CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2094.6 | 2094.6 | 2094.6 | 2094.6 | 2094.6 |
| 2.5° | 2068.9 | 2078.8 | 2084.7 | 2092.6 | 2112.5 |
| 5° | 1989.6 | 2027.3 | 2039.1 | 2068.9 | 2104.5 |
| 7.5° | 1815.2 | 1930.1 | 1961.9 | 2033.2 | 2088.7 |
| 10° | 1646.8 | 1761.7 | 1817.2 | 1985.6 | 2068.9 |
| 12.5° | 1561.6 | 1628.9 | 1666.6 | 1902.4 | 2041.1 |
| 15° | 1508.1 | 1555.6 | 1583.4 | 1791.4 | 2009.4 |
| 17.5° | 1466.4 | 1500.1 | 1519.9 | 1682.4 | 1965.8 |
| 20° | 1440.7 | 1456.5 | 1474.4 | 1603.2 | 1916.3 |
| 22.5° | 1422.8 | 1412.9 | 1426.8 | 1547.7 | 1848.9 |
| 25° | 1411.0 | 1373.3 | 1389.2 | 1504.1 | 1769.6 |
| 27.5° | 1420.9 | 1337.6 | 1343.6 | 1464.5 | 1686.4 |
| 30° | 1422.8 | 1294.0 | 1296.0 | 1422.8 | 1593.3 |
| 32.5° | 1409.0 | 1248.5 | 1250.4 | 1371.3 | 1488.2 |
| 35° | 1375.3 | 1194.9 | 1193.0 | 1311.9 | 1345.6 |
| 37.5° | 1329.7 | 1137.5 | 1137.5 | 1246.5 | 1189.0 |
| 40° | 1274.2 | 1080.0 | 1086.0 | 1161.3 | 1050.3 |
| 42.5° | 1206.8 | 1018.6 | 1026.5 | 1048.3 | 947.2 |
| 45° | 1133.5 | 959.1 | 965.1 | 885.8 | 868.0 |
| 47.5° | 1052.3 | 897.7 | 899.7 | 735.2 | 842.2 |
| 50° | 955.2 | 834.3 | 826.4 | 630.2 | 840.2 |
| 52.5° | 870.0 | 764.9 | 741.1 | 570.7 | 762.9 |
| 55° | 786.7 | 691.6 | 640.1 | 525.1 | 707.5 |
| 57.5° | 713.4 | 596.5 | 546.9 | 471.6 | 695.6 |
| 60° | 646.0 | 503.3 | 465.7 | 414.2 | 638.1 |
| 62.5° | 590.5 | 434.0 | 426.1 | 374.5 | 578.6 |
| 65° | 531.1 | 386.4 | 384.4 | 340.8 | 491.5 |
| 67.5° | 473.6 | 354.7 | 352.7 | 309.1 | 374.5 |
| 70° | 412.2 | 321.0 | 317.1 | 275.5 | 277.4 |
| 72.5° | 348.8 | 283.4 | 279.4 | 247.7 | 229.9 |
| 75° | 285.4 | 239.8 | 237.8 | 216.0 | 186.3 |
| 77.5° | 223.9 | 190.2 | 194.2 | 174.4 | 136.7 |
| 80° | 160.5 | 138.7 | 142.7 | 124.8 | 103.0 |
| 82.5° | 107.0 | 91.2 | 95.1 | 79.3 | 69.4 |
| 85° | 59.5 | 51.5 | 53.5 | 41.6 | 31.7 |
| 87.5° | 27.7 | 23.8 | 23.8 | 15.9 | 9.9 |
| 90° | 6.6 | 4.2 | 3.9 | 2.7 | 1.5 |
| 92.5° | 40.8 | 29.0 | 26.4 | 16.2 | 6.0 |
| 95° | 100.3 | 56.5 | 51.8 | 33.1 | 14.4 |
| 97.5° | 135.1 | 62.0 | 57.9 | 41.4 | 24.9 |
| 100° | 147.8 | 66.7 | 63.0 | 48.0 | 33.1 |
| 102.5° | 153.6 | 71.4 | 67.9 | 54.0 | 40.0 |
| 105° | 157.9 | 78.3 | 75.3 | 63.5 | 51.7 |
| 107.5° | 158.7 | 88.5 | 85.7 | 74.7 | 63.7 |
| 110° | 157.5 | 94.2 | 91.7 | 81.8 | 71.8 |



TEST NUMBER: P934015

CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 157.5 | 101.1 | 98.7 | 89.3 | 79.8 |
| 115° | 159.0 | 111.5 | 109.3 | 100.6 | 91.8 |
| 117.5° | 161.9 | 121.5 | 119.5 | 111.6 | 103.7 |
| 120° | 164.4 | 127.4 | 125.5 | 118.1 | 110.6 |
| 122.5° | 167.8 | 134.3 | 132.4 | 124.9 | 117.3 |
| 125° | 172.5 | 143.2 | 141.5 | 134.6 | 127.7 |
| 127.5° | 177.1 | 151.7 | 150.0 | 143.0 | 136.1 |
| 130° | 180.5 | 157.4 | 155.5 | 148.1 | 140.6 |
| 132.5° | 183.3 | 162.1 | 160.2 | 152.8 | 145.3 |
| 135° | 186.3 | 167.5 | 165.8 | 159.0 | 152.2 |
| 137.5° | 190.8 | 174.4 | 172.7 | 166.0 | 159.3 |
| 140° | 193.6 | 179.1 | 177.5 | 171.3 | 165.1 |
| 142.5° | 195.8 | 182.5 | 181.1 | 175.3 | 169.6 |
| 145° | 198.9 | 187.8 | 186.5 | 181.5 | 176.5 |
| 147.5° | 203.3 | 194.4 | 193.2 | 188.3 | 183.4 |
| 150° | 205.6 | 197.9 | 196.8 | 192.3 | 187.9 |
| 152.5° | 207.1 | 200.1 | 199.3 | 195.9 | 192.6 |
| 155° | 210.4 | 205.1 | 204.5 | 202.0 | 199.5 |
| 157.5° | 213.7 | 210.0 | 209.4 | 207.0 | 204.6 |
| 160° | 215.2 | 212.3 | 211.8 | 210.0 | 208.1 |
| 162.5° | 216.8 | 214.7 | 214.3 | 212.9 | 211.5 |
| 165° | 219.1 | 218.1 | 217.8 | 216.5 | 215.3 |
| 167.5° | 220.9 | 220.1 | 219.9 | 219.3 | 218.7 |
| 170° | 222.4 | 222.3 | 222.2 | 221.6 | 221.0 |
| 172.5° | 222.5 | 222.5 | 222.5 | 222.3 | 222.2 |
| 175° | 223.4 | 223.9 | 223.9 | 223.9 | 223.9 |
| 177.5° | 223.5 | 223.9 | 223.9 | 223.9 | 223.9 |
| 180° | 223.9 | 223.9 | 223.9 | 223.9 | 223.9 |



TEST NUMBER: P934015
 CATALOG NUMBER: SQ4-FA-025U-100D-835-1D-UNV-STD-W-6

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 | 16.04 | 17.24 | 16.70 | 17.91 | 18.70 | 18.86 | 20.06 | 19.52 | 20.74 | 21.53 |
| | 3H | 16.54 | 17.62 | 17.21 | 18.30 | 19.13 | 20.23 | 21.31 | 20.91 | 22.00 | 22.82 |
| | 4H | 16.75 | 17.76 | 17.44 | 18.46 | 19.30 | 20.69 | 21.70 | 21.38 | 22.40 | 23.24 |
| | 6H | 16.88 | 17.82 | 17.59 | 18.53 | 19.38 | 20.99 | 21.93 | 21.70 | 22.64 | 23.49 |
| | 8H | 16.89 | 17.79 | 17.61 | 18.52 | 19.37 | 21.07 | 21.97 | 21.79 | 22.70 | 23.55 |
| | 12H | 16.87 | 17.73 | 17.60 | 18.45 | 19.33 | 21.12 | 21.97 | 21.85 | 22.70 | 23.58 |
| 4H | 2H | 17.11 | 18.12 | 17.81 | 18.82 | 19.66 | 19.31 | 20.33 | 20.01 | 21.03 | 21.86 |
| | 3H | 18.17 | 19.01 | 18.88 | 19.75 | 20.60 | 20.85 | 21.69 | 21.56 | 22.43 | 23.28 |
| | 4H | 18.46 | 19.22 | 19.18 | 19.96 | 20.85 | 21.39 | 22.15 | 22.11 | 22.89 | 23.78 |
| | 6H | 18.60 | 19.27 | 19.35 | 20.03 | 20.92 | 21.77 | 22.44 | 22.52 | 23.20 | 24.09 |
| | 8H | 18.61 | 19.24 | 19.36 | 20.00 | 20.90 | 21.88 | 22.51 | 22.63 | 23.27 | 24.17 |
| | 12H | 18.60 | 19.16 | 19.37 | 19.94 | 20.85 | 21.96 | 22.51 | 22.73 | 23.30 | 24.21 |
| 8H | 4H | 18.94 | 19.56 | 19.69 | 20.32 | 21.22 | 21.54 | 22.16 | 22.29 | 22.92 | 23.83 |
| | 6H | 19.21 | 19.73 | 19.99 | 20.53 | 21.44 | 21.99 | 22.50 | 22.77 | 23.31 | 24.21 |
| | 8H | 19.26 | 19.72 | 20.05 | 20.52 | 21.44 | 22.14 | 22.60 | 22.93 | 23.40 | 24.33 |
| | 12H | 19.26 | 19.66 | 20.05 | 20.45 | 21.44 | 22.25 | 22.66 | 23.05 | 23.45 | 24.43 |
| 12H | 4H | 18.96 | 19.52 | 19.73 | 20.30 | 21.21 | 21.52 | 22.08 | 22.29 | 22.86 | 23.77 |
| | 6H | 19.27 | 19.73 | 20.07 | 20.54 | 21.46 | 21.99 | 22.45 | 22.78 | 23.25 | 24.17 |
| | 8H | 19.36 | 19.76 | 20.15 | 20.56 | 21.54 | 22.16 | 22.57 | 22.96 | 23.36 | 24.34 |