

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: P936024

Luminaire Tested: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936024
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

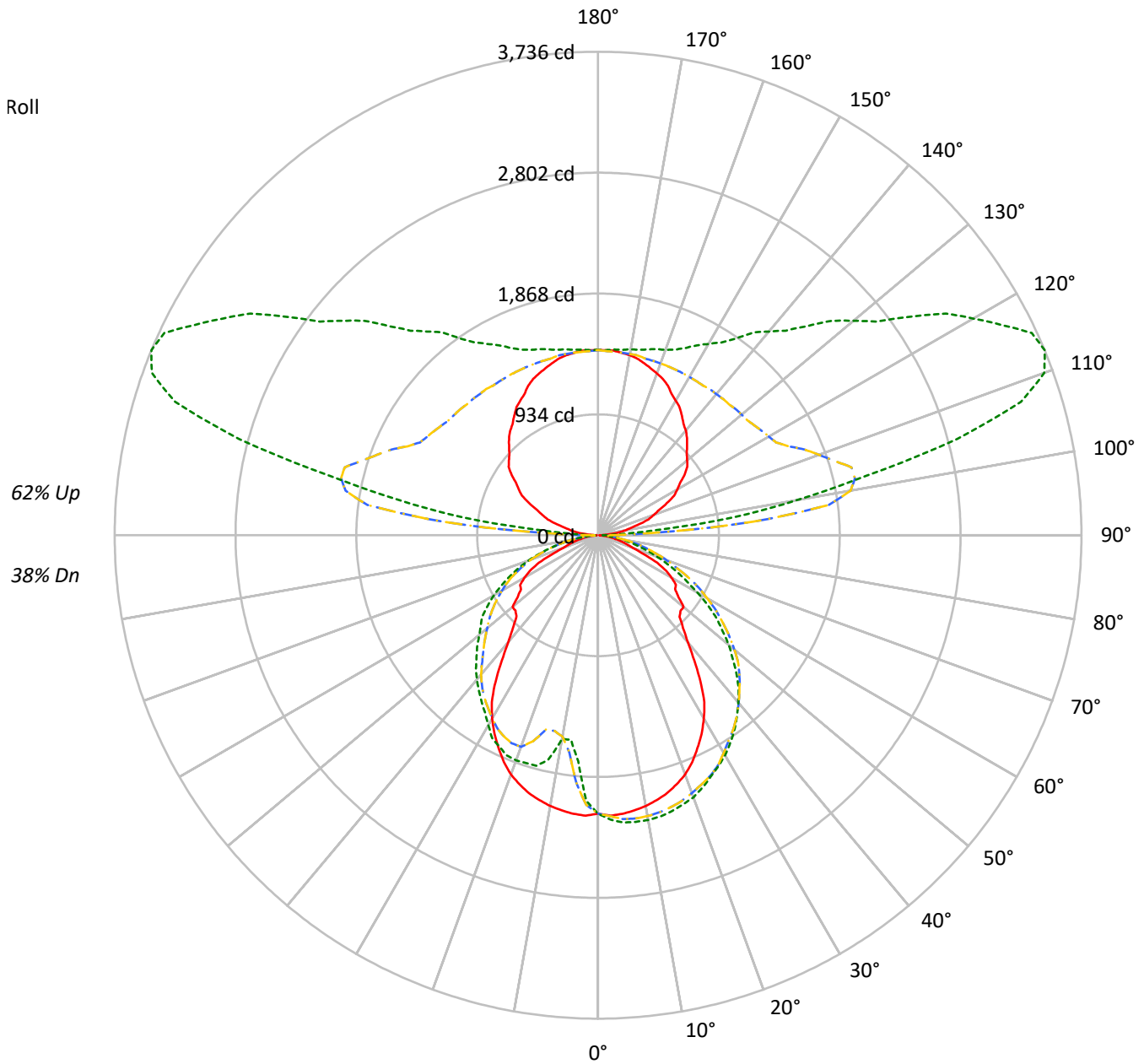
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14859.5 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
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: P936024
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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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 38 | | | | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 79 | 76 | 67 | 65 | 63 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | | 32 |
| 2 | 87 | 79 | 73 | 68 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 35 | 33 | 32 | 27 | | | | 27 |
| 3 | 79 | 70 | 62 | 57 | 71 | 63 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 | 23 | | | | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 49 | 44 | 46 | 41 | 37 | 36 | 33 | 30 | 28 | 25 | 23 | 19 | | | | 19 |
| 5 | 66 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 | 17 | | | | 17 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 | 15 | | | | 15 |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 27 | 23 | 20 | 20 | 18 | 16 | 13 | | | | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 21 | 18 | 19 | 16 | 14 | 12 | | | | 12 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 22 | 28 | 23 | 19 | 22 | 19 | 16 | 17 | 15 | 13 | 10 | | | | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 31 | 24 | 20 | 25 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|------|
| 0° | 9978 | 9978 | 9978 | 9978 |
| 5° | 10053 | 10073 | 10053 | 7920 |
| 10° | 9986 | 9922 | 9986 | 7093 |
| 15° | 9877 | 9707 | 9877 | 8106 |
| 20° | 9671 | 9453 | 9671 | 8123 |
| 25° | 9248 | 9081 | 9248 | 7950 |
| 30° | 8701 | 8773 | 8701 | 7573 |
| 35° | 7757 | 8383 | 7757 | 7157 |
| 40° | 6464 | 7924 | 6464 | 6843 |
| 45° | 5775 | 7386 | 5775 | 6482 |
| 50° | 6136 | 6745 | 6136 | 6120 |
| 55° | 5773 | 6054 | 5773 | 5911 |
| 60° | 5951 | 5142 | 5951 | 5414 |
| 65° | 5395 | 4251 | 5395 | 4751 |
| 70° | 3735 | 3387 | 3735 | 3982 |
| 75° | 3276 | 2504 | 3276 | 2998 |
| 80° | 2640 | 1655 | 2640 | 1803 |
| 85° | 1518 | 877 | 1518 | 744 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8852 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 194.1 | 1.3 |
| 10°-20° | 551.2 | 3.7 |
| 20°-30° | 852.1 | 5.7 |
| 30°-40° | 1017.2 | 6.8 |
| 40°-50° | 1023.2 | 6.9 |
| 50°-60° | 890.3 | 6.0 |
| 60°-70° | 631.2 | 4.2 |
| 70°-80° | 333.9 | 2.2 |
| 80°-90° | 88.6 | 0.6 |
| 90°-100° | 697.6 | 4.7 |
| 100°-110° | 1834.1 | 12.3 |
| 110°-120° | 1901.7 | 12.8 |
| 120°-130° | 1525.4 | 10.3 |
| 130°-140° | 1196.9 | 8.1 |
| 140°-150° | 918.7 | 6.2 |
| 150°-160° | 661.6 | 4.5 |
| 160°-170° | 404.8 | 2.7 |
| 170°-180° | 136.8 | 0.9 |
| 0°-30° | 1597.4 | 10.8 |
| 0°-40° | 2614.6 | 17.6 |
| 0°-60° | 4528.0 | 30.5 |
| 0°-90° | 5581.8 | 37.6 |
| 90°-120° | 4433.5 | 29.8 |
| 90°-150° | 8074.5 | 54.3 |
| 90°-180° | 9278.0 | 62.4 |
| 0°-180° | 14859.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2151 | 2151 | 2151 | 2151 | 2151 | |
| 5° | 2161 | 2228 | 2161 | 1752 | 2161 | 205 |
| 15° | 2063 | 2208 | 2063 | 1844 | 2063 | 581 |
| 25° | 1817 | 2059 | 1817 | 1803 | 1817 | 834 |
| 35° | 1382 | 1837 | 1382 | 1569 | 1382 | 855 |
| 45° | 891 | 1514 | 891 | 1329 | 891 | 714 |
| 55° | 726 | 1117 | 726 | 1091 | 726 | 667 |
| 65° | 505 | 674 | 505 | 753 | 505 | 482 |
| 75° | 191 | 320 | 191 | 382 | 191 | 201 |
| 85° | 33 | 81 | 33 | 69 | 33 | 44 |
| 90° | 10 | 36 | 10 | 36 | 10 | 9 |
| 95° | 92 | 422 | 92 | 422 | 92 | 102 |
| 105° | 330 | 2872 | 330 | 2872 | 330 | 350 |
| 115° | 587 | 3698 | 587 | 3698 | 587 | 580 |
| 125° | 816 | 2945 | 816 | 2945 | 816 | 725 |
| 135° | 973 | 2285 | 973 | 2285 | 973 | 753 |
| 145° | 1129 | 1854 | 1129 | 1854 | 1129 | 707 |
| 155° | 1276 | 1596 | 1276 | 1596 | 1276 | 586 |
| 165° | 1376 | 1487 | 1376 | 1487 | 1376 | 388 |
| 175° | 1431 | 1441 | 1431 | 1441 | 1431 | 136 |
| 180° | 1431 | 1431 | 1431 | 1431 | 1431 | |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 |
| 2.5° | 2169.0 | 2169.0 | 2181.2 | 2185.3 | 2185.3 | 2179.2 | 2173.1 | 2179.2 | 2197.5 | 2203.6 | 2201.6 |
| 5° | 2160.9 | 2177.1 | 2199.5 | 2203.6 | 2207.7 | 2205.6 | 2201.6 | 2205.6 | 2226.0 | 2230.1 | 2232.1 |
| 7.5° | 2144.6 | 2175.1 | 2203.6 | 2209.7 | 2215.8 | 2209.7 | 2207.7 | 2211.7 | 2232.1 | 2236.2 | 2236.2 |
| 10° | 2124.2 | 2166.9 | 2199.5 | 2203.6 | 2209.7 | 2203.6 | 2203.6 | 2211.7 | 2232.1 | 2236.2 | 2238.2 |
| 12.5° | 2095.7 | 2154.8 | 2185.3 | 2189.3 | 2197.5 | 2195.4 | 2193.4 | 2201.6 | 2221.9 | 2226.0 | 2226.0 |
| 15° | 2063.2 | 2132.4 | 2160.9 | 2164.9 | 2179.2 | 2175.1 | 2175.1 | 2183.3 | 2205.6 | 2211.7 | 2209.7 |
| 17.5° | 2018.4 | 2103.9 | 2136.4 | 2142.5 | 2152.7 | 2150.7 | 2152.7 | 2160.9 | 2181.2 | 2185.3 | 2187.3 |
| 20° | 1967.6 | 2065.2 | 2103.9 | 2110.0 | 2120.2 | 2120.2 | 2120.2 | 2130.4 | 2150.7 | 2158.8 | 2158.8 |
| 22.5° | 1898.4 | 2024.6 | 2065.2 | 2069.3 | 2081.5 | 2081.5 | 2085.5 | 2099.8 | 2118.1 | 2120.2 | 2120.2 |
| 25° | 1817.0 | 1979.7 | 2014.3 | 2026.6 | 2038.8 | 2044.9 | 2051.0 | 2059.1 | 2065.2 | 2063.2 | 2065.2 |
| 27.5° | 1731.5 | 1922.8 | 1967.6 | 1975.7 | 1992.0 | 1998.1 | 2006.2 | 2008.2 | 2010.3 | 2016.4 | 2012.3 |
| 30° | 1635.9 | 1843.5 | 1910.6 | 1918.8 | 1945.2 | 1949.3 | 1941.1 | 1945.2 | 1955.3 | 1959.4 | 1963.5 |
| 32.5° | 1528.1 | 1725.4 | 1851.6 | 1869.9 | 1894.3 | 1882.1 | 1880.0 | 1886.2 | 1902.4 | 1902.4 | 1906.5 |
| 35° | 1381.5 | 1633.9 | 1796.6 | 1812.9 | 1831.2 | 1817.0 | 1825.1 | 1827.1 | 1837.4 | 1843.5 | 1841.4 |
| 37.5° | 1220.8 | 1554.5 | 1739.7 | 1751.9 | 1766.1 | 1747.8 | 1760.0 | 1766.1 | 1774.2 | 1770.2 | 1770.2 |
| 40° | 1078.4 | 1430.4 | 1672.5 | 1680.7 | 1692.8 | 1678.6 | 1690.8 | 1694.9 | 1699.0 | 1694.9 | 1692.8 |
| 42.5° | 972.6 | 1294.1 | 1601.3 | 1611.5 | 1603.4 | 1613.5 | 1617.6 | 1625.7 | 1619.6 | 1611.5 | 1611.5 |
| 45° | 891.2 | 1257.4 | 1524.0 | 1536.2 | 1524.0 | 1540.3 | 1546.4 | 1546.4 | 1528.1 | 1524.0 | 1522.0 |
| 47.5° | 864.8 | 1184.2 | 1446.7 | 1446.7 | 1440.6 | 1460.9 | 1471.1 | 1456.8 | 1438.5 | 1432.4 | 1432.4 |
| 50° | 862.7 | 1102.8 | 1340.9 | 1332.7 | 1361.2 | 1385.6 | 1375.5 | 1361.2 | 1347.0 | 1324.6 | 1324.6 |
| 52.5° | 783.4 | 1003.1 | 1204.5 | 1235.1 | 1279.8 | 1294.1 | 1277.8 | 1263.6 | 1239.2 | 1229.0 | 1220.8 |
| 55° | 726.4 | 899.4 | 1080.5 | 1141.4 | 1188.3 | 1206.6 | 1176.0 | 1161.9 | 1125.2 | 1119.1 | 1115.0 |
| 57.5° | 714.2 | 748.7 | 966.5 | 1043.8 | 1100.8 | 1098.7 | 1080.5 | 1054.0 | 1023.5 | 1017.3 | 1015.3 |
| 60° | 655.2 | 541.2 | 844.4 | 935.9 | 995.0 | 988.8 | 972.6 | 948.2 | 919.7 | 915.6 | 911.5 |
| 62.5° | 594.1 | 392.7 | 706.0 | 809.8 | 893.2 | 891.2 | 877.0 | 840.3 | 820.0 | 809.8 | 801.6 |
| 65° | 504.6 | 329.6 | 502.6 | 673.5 | 793.6 | 797.6 | 767.1 | 740.7 | 718.3 | 706.0 | 704.0 |
| 67.5° | 384.5 | 268.6 | 339.8 | 561.6 | 697.9 | 693.8 | 655.2 | 643.0 | 614.5 | 608.4 | 596.1 |
| 70° | 284.8 | 179.0 | 236.0 | 455.8 | 604.3 | 594.1 | 563.6 | 549.4 | 522.9 | 508.7 | 500.5 |
| 72.5° | 236.0 | 144.5 | 172.9 | 354.0 | 508.7 | 496.5 | 470.0 | 453.8 | 431.4 | 419.1 | 411.0 |
| 75° | 191.3 | 152.6 | 132.3 | 262.5 | 413.0 | 404.9 | 380.5 | 364.2 | 345.9 | 329.6 | 331.6 |
| 77.5° | 140.4 | 142.5 | 105.8 | 193.3 | 327.6 | 315.4 | 301.1 | 280.8 | 272.7 | 256.4 | 256.4 |
| 80° | 105.8 | 111.9 | 79.4 | 132.3 | 236.0 | 236.0 | 223.8 | 209.6 | 195.3 | 187.2 | 187.2 |
| 82.5° | 71.2 | 71.2 | 59.0 | 83.4 | 160.8 | 154.6 | 146.5 | 142.5 | 134.3 | 130.2 | 130.2 |
| 85° | 32.6 | 40.7 | 36.7 | 50.9 | 87.5 | 91.6 | 91.6 | 87.5 | 85.5 | 81.4 | 83.4 |
| 87.5° | 10.2 | 18.3 | 22.4 | 28.5 | 44.7 | 46.8 | 48.8 | 48.8 | 48.8 | 50.9 | 50.9 |
| 90° | 9.6 | 17.3 | 24.9 | 26.9 | 42.3 | 62.8 | 73.0 | 64.9 | 48.7 | 36.5 | 36.5 |
| 92.5° | 38.4 | 103.7 | 169.1 | 185.4 | 260.6 | 361.0 | 411.1 | 360.3 | 258.7 | 182.5 | 175.3 |
| 95° | 92.2 | 211.8 | 331.3 | 361.1 | 641.3 | 1014.8 | 1201.6 | 1072.2 | 813.6 | 619.5 | 597.5 |
| 97.5° | 159.5 | 264.9 | 370.4 | 396.7 | 863.9 | 1486.7 | 1798.1 | 1716.3 | 1552.9 | 1430.2 | 1388.4 |
| 100° | 211.3 | 306.9 | 402.6 | 426.5 | 944.9 | 1635.9 | 1981.5 | 1987.5 | 1999.5 | 2008.4 | 1958.6 |
| 102.5° | 255.5 | 344.7 | 433.9 | 456.2 | 982.0 | 1682.9 | 2033.4 | 2137.6 | 2345.9 | 2502.1 | 2459.5 |
| 105° | 330.4 | 405.9 | 481.6 | 500.4 | 1009.5 | 1688.2 | 2027.6 | 2261.2 | 2728.2 | 3078.5 | 3055.5 |
| 107.5° | 407.3 | 477.7 | 548.1 | 565.7 | 1014.6 | 1613.2 | 1912.4 | 2238.1 | 2889.6 | 3378.1 | 3383.7 |
| 110° | 459.2 | 522.8 | 586.4 | 602.2 | 1006.9 | 1546.5 | 1816.4 | 2180.5 | 2908.8 | 3455.0 | 3478.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 510.0 | 570.6 | 631.2 | 646.4 | 1007.2 | 1488.3 | 1728.9 | 2101.6 | 2846.9 | 3405.9 | 3442.7 |
| 115° | 586.9 | 642.8 | 698.7 | 712.7 | 1016.6 | 1421.7 | 1624.2 | 1983.2 | 2701.2 | 3239.8 | 3290.7 |
| 117.5° | 662.7 | 713.6 | 764.4 | 777.1 | 1035.4 | 1379.9 | 1552.2 | 1876.2 | 2524.2 | 3010.2 | 3066.7 |
| 120° | 706.9 | 754.8 | 802.6 | 814.5 | 1050.8 | 1365.8 | 1523.4 | 1819.4 | 2411.6 | 2855.6 | 2910.4 |
| 122.5° | 750.1 | 798.4 | 846.6 | 858.7 | 1072.9 | 1358.5 | 1501.3 | 1767.8 | 2301.1 | 2700.9 | 2755.1 |
| 125° | 816.4 | 860.4 | 904.4 | 915.4 | 1102.6 | 1352.4 | 1477.2 | 1703.7 | 2156.6 | 2496.3 | 2546.2 |
| 127.5° | 870.3 | 914.6 | 959.0 | 970.1 | 1132.4 | 1348.9 | 1457.1 | 1651.5 | 2040.4 | 2332.1 | 2374.1 |
| 130° | 899.1 | 946.9 | 994.7 | 1006.6 | 1154.2 | 1351.0 | 1449.4 | 1622.5 | 1968.7 | 2228.4 | 2267.3 |
| 132.5° | 928.9 | 976.7 | 1024.5 | 1036.4 | 1171.9 | 1352.4 | 1442.7 | 1597.6 | 1907.5 | 2140.0 | 2174.8 |
| 135° | 973.0 | 1016.6 | 1060.1 | 1071.0 | 1191.0 | 1351.1 | 1431.1 | 1560.9 | 1820.5 | 2015.2 | 2045.1 |
| 137.5° | 1018.2 | 1061.3 | 1104.3 | 1115.1 | 1219.8 | 1359.4 | 1429.3 | 1539.0 | 1758.4 | 1922.9 | 1947.5 |
| 140° | 1055.6 | 1095.3 | 1135.0 | 1144.9 | 1237.5 | 1360.8 | 1422.5 | 1517.3 | 1706.9 | 1849.0 | 1871.9 |
| 142.5° | 1084.4 | 1121.1 | 1157.8 | 1167.0 | 1252.2 | 1365.7 | 1422.5 | 1505.7 | 1672.2 | 1797.1 | 1816.8 |
| 145° | 1128.6 | 1160.6 | 1192.7 | 1200.7 | 1271.4 | 1365.7 | 1412.9 | 1480.9 | 1617.2 | 1719.3 | 1734.3 |
| 147.5° | 1172.8 | 1204.0 | 1235.2 | 1242.9 | 1299.6 | 1375.1 | 1412.9 | 1466.5 | 1573.6 | 1654.0 | 1666.4 |
| 150° | 1201.6 | 1229.8 | 1257.9 | 1265.0 | 1314.2 | 1380.0 | 1412.9 | 1458.1 | 1548.6 | 1616.5 | 1626.5 |
| 152.5° | 1231.4 | 1252.7 | 1274.1 | 1279.4 | 1323.9 | 1383.2 | 1412.9 | 1451.5 | 1528.8 | 1586.7 | 1594.3 |
| 155° | 1275.6 | 1291.4 | 1307.2 | 1311.1 | 1345.0 | 1390.2 | 1412.9 | 1443.6 | 1505.1 | 1551.2 | 1556.2 |
| 157.5° | 1308.2 | 1323.6 | 1339.0 | 1342.8 | 1366.1 | 1397.3 | 1412.9 | 1436.8 | 1484.6 | 1520.5 | 1524.1 |
| 160° | 1330.3 | 1342.3 | 1354.2 | 1357.2 | 1375.8 | 1400.5 | 1412.9 | 1433.4 | 1474.4 | 1505.1 | 1507.1 |
| 162.5° | 1352.4 | 1361.4 | 1370.4 | 1372.6 | 1386.0 | 1403.9 | 1412.9 | 1430.2 | 1464.8 | 1490.7 | 1492.6 |
| 165° | 1376.4 | 1384.5 | 1392.6 | 1394.6 | 1400.7 | 1408.8 | 1412.9 | 1425.3 | 1450.1 | 1468.6 | 1470.6 |
| 167.5° | 1398.5 | 1402.3 | 1406.2 | 1407.2 | 1412.3 | 1419.1 | 1422.5 | 1430.6 | 1446.8 | 1459.0 | 1459.8 |
| 170° | 1412.9 | 1416.7 | 1420.6 | 1421.6 | 1421.9 | 1422.3 | 1422.5 | 1430.6 | 1446.8 | 1459.0 | 1459.0 |
| 172.5° | 1420.6 | 1421.4 | 1422.3 | 1422.5 | 1422.5 | 1422.5 | 1422.5 | 1428.9 | 1441.7 | 1451.3 | 1450.5 |
| 175° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.3 | 1424.4 | 1422.5 | 1426.6 | 1434.7 | 1440.7 | 1440.7 |
| 177.5° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.9 | 1425.9 | 1424.4 | 1427.7 | 1434.0 | 1438.8 | 1438.0 |
| 180° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 |
| 2.5° | 2205.6 | 2199.5 | 2205.6 | 2201.6 | 2203.6 | 2197.5 | 2179.2 | 2173.1 | 2179.2 | 2185.3 | 2185.3 |
| 5° | 2232.1 | 2228.0 | 2232.1 | 2232.1 | 2230.1 | 2226.0 | 2205.6 | 2201.6 | 2205.6 | 2207.7 | 2203.6 |
| 7.5° | 2240.2 | 2234.1 | 2240.2 | 2236.2 | 2236.2 | 2232.1 | 2211.7 | 2207.7 | 2209.7 | 2215.8 | 2209.7 |
| 10° | 2240.2 | 2234.1 | 2240.2 | 2238.2 | 2236.2 | 2232.1 | 2211.7 | 2203.6 | 2203.6 | 2209.7 | 2203.6 |
| 12.5° | 2230.1 | 2226.0 | 2230.1 | 2226.0 | 2226.0 | 2221.9 | 2201.6 | 2193.4 | 2195.4 | 2197.5 | 2189.3 |
| 15° | 2213.8 | 2207.7 | 2213.8 | 2209.7 | 2211.7 | 2205.6 | 2183.3 | 2175.1 | 2175.1 | 2179.2 | 2164.9 |
| 17.5° | 2189.3 | 2181.2 | 2189.3 | 2187.3 | 2185.3 | 2181.2 | 2160.9 | 2152.7 | 2150.7 | 2152.7 | 2142.5 |
| 20° | 2160.9 | 2154.8 | 2160.9 | 2158.8 | 2158.8 | 2150.7 | 2130.4 | 2120.2 | 2120.2 | 2120.2 | 2110.0 |
| 22.5° | 2116.1 | 2110.0 | 2116.1 | 2120.2 | 2120.2 | 2118.1 | 2099.8 | 2085.5 | 2081.5 | 2081.5 | 2069.3 |
| 25° | 2065.2 | 2059.1 | 2065.2 | 2065.2 | 2063.2 | 2065.2 | 2059.1 | 2051.0 | 2044.9 | 2038.8 | 2026.6 |
| 27.5° | 2016.4 | 2012.3 | 2016.4 | 2012.3 | 2016.4 | 2010.3 | 2008.2 | 2006.2 | 1998.1 | 1992.0 | 1975.7 |
| 30° | 1967.6 | 1963.5 | 1967.6 | 1963.5 | 1959.4 | 1955.3 | 1945.2 | 1941.1 | 1949.3 | 1945.2 | 1918.8 |
| 32.5° | 1906.5 | 1902.4 | 1906.5 | 1906.5 | 1902.4 | 1902.4 | 1886.2 | 1880.0 | 1882.1 | 1894.3 | 1869.9 |
| 35° | 1843.5 | 1837.4 | 1843.5 | 1841.4 | 1843.5 | 1837.4 | 1827.1 | 1825.1 | 1817.0 | 1831.2 | 1812.9 |
| 37.5° | 1770.2 | 1764.1 | 1770.2 | 1770.2 | 1770.2 | 1774.2 | 1766.1 | 1760.0 | 1747.8 | 1766.1 | 1751.9 |
| 40° | 1694.9 | 1686.8 | 1694.9 | 1692.8 | 1694.9 | 1699.0 | 1694.9 | 1690.8 | 1678.6 | 1692.8 | 1680.7 |
| 42.5° | 1609.5 | 1607.5 | 1609.5 | 1611.5 | 1611.5 | 1619.6 | 1625.7 | 1617.6 | 1613.5 | 1603.4 | 1611.5 |
| 45° | 1517.9 | 1513.8 | 1517.9 | 1522.0 | 1524.0 | 1528.1 | 1546.4 | 1546.4 | 1540.3 | 1524.0 | 1536.2 |
| 47.5° | 1420.2 | 1410.0 | 1420.2 | 1432.4 | 1432.4 | 1438.5 | 1456.8 | 1471.1 | 1460.9 | 1440.6 | 1446.7 |
| 50° | 1316.5 | 1318.5 | 1316.5 | 1324.6 | 1324.6 | 1347.0 | 1361.2 | 1375.5 | 1385.6 | 1361.2 | 1332.7 |
| 52.5° | 1214.8 | 1212.7 | 1214.8 | 1220.8 | 1229.0 | 1239.2 | 1263.6 | 1277.8 | 1294.1 | 1279.8 | 1235.1 |
| 55° | 1113.0 | 1117.0 | 1113.0 | 1115.0 | 1119.1 | 1125.2 | 1161.9 | 1176.0 | 1206.6 | 1188.3 | 1141.4 |
| 57.5° | 1011.2 | 1005.2 | 1011.2 | 1015.3 | 1017.3 | 1023.5 | 1054.0 | 1080.5 | 1098.7 | 1100.8 | 1043.8 |
| 60° | 893.2 | 885.1 | 893.2 | 911.5 | 915.6 | 919.7 | 948.2 | 972.6 | 988.8 | 995.0 | 935.9 |
| 62.5° | 789.5 | 775.2 | 789.5 | 801.6 | 809.8 | 820.0 | 840.3 | 877.0 | 891.2 | 893.2 | 809.8 |
| 65° | 679.6 | 673.5 | 679.6 | 704.0 | 706.0 | 718.3 | 740.7 | 767.1 | 797.6 | 793.6 | 673.5 |
| 67.5° | 579.9 | 579.9 | 579.9 | 596.1 | 608.4 | 614.5 | 643.0 | 655.2 | 693.8 | 697.9 | 561.6 |
| 70° | 488.3 | 486.3 | 488.3 | 500.5 | 508.7 | 522.9 | 549.4 | 563.6 | 594.1 | 604.3 | 455.8 |
| 72.5° | 400.9 | 398.8 | 400.9 | 411.0 | 419.1 | 431.4 | 453.8 | 470.0 | 496.5 | 508.7 | 354.0 |
| 75° | 323.6 | 319.5 | 323.6 | 331.6 | 329.6 | 345.9 | 364.2 | 380.5 | 404.9 | 413.0 | 262.5 |
| 77.5° | 248.2 | 248.2 | 248.2 | 256.4 | 256.4 | 272.7 | 280.8 | 301.1 | 315.4 | 327.6 | 193.3 |
| 80° | 185.2 | 183.1 | 185.2 | 187.2 | 187.2 | 195.3 | 209.6 | 223.8 | 236.0 | 236.0 | 132.3 |
| 82.5° | 130.2 | 126.1 | 130.2 | 130.2 | 130.2 | 134.3 | 142.5 | 146.5 | 154.6 | 160.8 | 83.4 |
| 85° | 81.4 | 81.4 | 81.4 | 83.4 | 81.4 | 85.5 | 87.5 | 91.6 | 91.6 | 87.5 | 50.9 |
| 87.5° | 52.9 | 50.9 | 52.9 | 50.9 | 50.9 | 48.8 | 48.8 | 48.8 | 46.8 | 44.7 | 28.5 |
| 90° | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 48.7 | 64.9 | 73.0 | 62.8 | 42.3 | 26.9 |
| 92.5° | 146.2 | 117.2 | 146.2 | 175.3 | 182.5 | 258.7 | 360.3 | 411.1 | 361.0 | 260.6 | 185.4 |
| 95° | 509.6 | 421.7 | 509.6 | 597.5 | 619.5 | 813.6 | 1072.2 | 1201.6 | 1014.8 | 641.3 | 361.1 |
| 97.5° | 1221.0 | 1053.7 | 1221.0 | 1388.4 | 1430.2 | 1552.9 | 1716.3 | 1798.1 | 1486.7 | 863.9 | 396.7 |
| 100° | 1759.2 | 1559.9 | 1759.2 | 1958.6 | 2008.4 | 1999.5 | 1987.5 | 1981.5 | 1635.9 | 944.9 | 426.5 |
| 102.5° | 2288.7 | 2118.0 | 2288.7 | 2459.5 | 2502.1 | 2345.9 | 2137.6 | 2033.4 | 1682.9 | 982.0 | 456.2 |
| 105° | 2963.7 | 2871.9 | 2963.7 | 3055.5 | 3078.5 | 2728.2 | 2261.2 | 2027.6 | 1688.2 | 1009.5 | 500.4 |
| 107.5° | 3405.9 | 3428.0 | 3405.9 | 3383.7 | 3378.1 | 2889.6 | 2238.1 | 1912.4 | 1613.2 | 1014.6 | 565.7 |
| 110° | 3574.5 | 3670.1 | 3574.5 | 3478.9 | 3455.0 | 2908.8 | 2180.5 | 1816.4 | 1546.5 | 1006.9 | 602.2 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3589.5 | 3736.3 | 3589.5 | 3442.7 | 3405.9 | 2846.9 | 2101.6 | 1728.9 | 1488.3 | 1007.2 | 646.4 |
| 115° | 3494.3 | 3697.9 | 3494.3 | 3290.7 | 3239.8 | 2701.2 | 1983.2 | 1624.2 | 1421.7 | 1016.6 | 712.7 |
| 117.5° | 3292.5 | 3518.4 | 3292.5 | 3066.7 | 3010.2 | 2524.2 | 1876.2 | 1552.2 | 1379.9 | 1035.4 | 777.1 |
| 120° | 3129.9 | 3349.3 | 3129.9 | 2910.4 | 2855.6 | 2411.6 | 1819.4 | 1523.4 | 1365.8 | 1050.8 | 814.5 |
| 122.5° | 2971.5 | 3188.0 | 2971.5 | 2755.1 | 2700.9 | 2301.1 | 1767.8 | 1501.3 | 1358.5 | 1072.9 | 858.7 |
| 125° | 2745.6 | 2944.9 | 2745.6 | 2546.2 | 2496.3 | 2156.6 | 1703.7 | 1477.2 | 1352.4 | 1102.6 | 915.4 |
| 127.5° | 2542.4 | 2710.6 | 2542.4 | 2374.1 | 2332.1 | 2040.4 | 1651.5 | 1457.1 | 1348.9 | 1132.4 | 970.1 |
| 130° | 2422.7 | 2578.0 | 2422.7 | 2267.3 | 2228.4 | 1968.7 | 1622.5 | 1449.4 | 1351.0 | 1154.2 | 1006.6 |
| 132.5° | 2313.9 | 2453.1 | 2313.9 | 2174.8 | 2140.0 | 1907.5 | 1597.6 | 1442.7 | 1352.4 | 1171.9 | 1036.4 |
| 135° | 2165.1 | 2285.1 | 2165.1 | 2045.1 | 2015.2 | 1820.5 | 1560.9 | 1431.1 | 1351.1 | 1191.0 | 1071.0 |
| 137.5° | 2045.7 | 2143.8 | 2045.7 | 1947.5 | 1922.9 | 1758.4 | 1539.0 | 1429.3 | 1359.4 | 1219.8 | 1115.1 |
| 140° | 1963.7 | 2055.5 | 1963.7 | 1871.9 | 1849.0 | 1706.9 | 1517.3 | 1422.5 | 1360.8 | 1237.5 | 1144.9 |
| 142.5° | 1895.8 | 1974.8 | 1895.8 | 1816.8 | 1797.1 | 1672.2 | 1505.7 | 1422.5 | 1365.7 | 1252.2 | 1167.0 |
| 145° | 1794.0 | 1853.8 | 1794.0 | 1734.3 | 1719.3 | 1617.2 | 1480.9 | 1412.9 | 1365.7 | 1271.4 | 1200.7 |
| 147.5° | 1715.9 | 1765.4 | 1715.9 | 1666.4 | 1654.0 | 1573.6 | 1466.5 | 1412.9 | 1375.1 | 1299.6 | 1242.9 |
| 150° | 1666.7 | 1706.9 | 1666.7 | 1626.5 | 1616.5 | 1548.6 | 1458.1 | 1412.9 | 1380.0 | 1314.2 | 1265.0 |
| 152.5° | 1624.6 | 1655.0 | 1624.6 | 1594.3 | 1586.7 | 1528.8 | 1451.5 | 1412.9 | 1383.2 | 1323.9 | 1279.4 |
| 155° | 1576.3 | 1596.4 | 1576.3 | 1556.2 | 1551.2 | 1505.1 | 1443.6 | 1412.9 | 1390.2 | 1345.0 | 1311.1 |
| 157.5° | 1538.1 | 1552.2 | 1538.1 | 1524.1 | 1520.5 | 1484.6 | 1436.8 | 1412.9 | 1397.3 | 1366.1 | 1342.8 |
| 160° | 1515.3 | 1523.4 | 1515.3 | 1507.1 | 1505.1 | 1474.4 | 1433.4 | 1412.9 | 1400.5 | 1375.8 | 1357.2 |
| 162.5° | 1500.3 | 1508.0 | 1500.3 | 1492.6 | 1490.7 | 1464.8 | 1430.2 | 1412.9 | 1403.9 | 1386.0 | 1372.6 |
| 165° | 1478.8 | 1486.9 | 1478.8 | 1470.6 | 1468.6 | 1450.1 | 1425.3 | 1412.9 | 1408.8 | 1400.7 | 1394.6 |
| 167.5° | 1463.3 | 1466.7 | 1463.3 | 1459.8 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1419.1 | 1412.3 | 1407.2 |
| 170° | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1422.3 | 1421.9 | 1421.6 |
| 172.5° | 1447.6 | 1444.6 | 1447.6 | 1450.5 | 1451.3 | 1441.7 | 1428.9 | 1422.5 | 1422.5 | 1422.5 | 1422.5 |
| 175° | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1434.7 | 1426.6 | 1422.5 | 1424.4 | 1428.3 | 1431.1 |
| 177.5° | 1434.5 | 1431.1 | 1434.5 | 1438.0 | 1438.8 | 1434.0 | 1427.7 | 1424.4 | 1425.9 | 1428.9 | 1431.1 |
| 180° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 |
| 2.5° | 2181.2 | 2169.0 | 2169.0 | 2148.7 | 2140.5 | 2134.4 | 2124.2 | 2093.7 | 2085.5 | 2077.5 | 2089.6 |
| 5° | 2199.5 | 2177.1 | 2160.9 | 2124.2 | 2093.7 | 2081.5 | 2042.8 | 1969.6 | 1920.8 | 1884.1 | 1863.8 |
| 7.5° | 2203.6 | 2175.1 | 2144.6 | 2087.6 | 2014.3 | 1981.8 | 1863.8 | 1729.5 | 1692.8 | 1660.4 | 1639.9 |
| 10° | 2199.5 | 2166.9 | 2124.2 | 2038.8 | 1865.8 | 1808.9 | 1690.8 | 1603.4 | 1581.0 | 1574.9 | 1581.0 |
| 12.5° | 2185.3 | 2154.8 | 2095.7 | 1953.3 | 1711.2 | 1672.5 | 1603.4 | 1552.5 | 1548.4 | 1558.6 | 1613.5 |
| 15° | 2160.9 | 2132.4 | 2063.2 | 1839.4 | 1625.7 | 1597.2 | 1548.4 | 1530.1 | 1552.5 | 1623.7 | 1788.5 |
| 17.5° | 2136.4 | 2103.9 | 2018.4 | 1727.5 | 1560.6 | 1540.3 | 1505.7 | 1542.3 | 1668.4 | 1764.1 | 1819.0 |
| 20° | 2103.9 | 2065.2 | 1967.6 | 1646.1 | 1513.8 | 1495.5 | 1479.2 | 1644.0 | 1739.7 | 1774.2 | 1804.8 |
| 22.5° | 2065.2 | 2024.6 | 1898.4 | 1589.1 | 1465.0 | 1450.8 | 1460.9 | 1701.0 | 1739.7 | 1764.1 | 1790.6 |
| 25° | 2014.3 | 1979.7 | 1817.0 | 1544.3 | 1426.3 | 1410.0 | 1448.7 | 1694.9 | 1717.3 | 1723.4 | 1776.3 |
| 27.5° | 1967.6 | 1922.8 | 1731.5 | 1503.7 | 1379.5 | 1373.4 | 1458.9 | 1668.4 | 1684.8 | 1690.8 | 1747.8 |
| 30° | 1910.6 | 1843.5 | 1635.9 | 1460.9 | 1330.7 | 1328.6 | 1460.9 | 1635.9 | 1631.9 | 1648.1 | 1705.1 |
| 32.5° | 1851.6 | 1725.4 | 1528.1 | 1408.0 | 1283.9 | 1281.9 | 1446.7 | 1587.0 | 1583.0 | 1605.4 | 1648.1 |
| 35° | 1796.6 | 1633.9 | 1381.5 | 1347.0 | 1224.9 | 1226.9 | 1412.1 | 1530.1 | 1532.1 | 1552.5 | 1579.0 |
| 37.5° | 1739.7 | 1554.5 | 1220.8 | 1279.8 | 1167.9 | 1167.9 | 1365.3 | 1477.2 | 1473.2 | 1479.2 | 1515.8 |
| 40° | 1672.5 | 1430.4 | 1078.4 | 1192.3 | 1115.0 | 1108.9 | 1308.3 | 1420.2 | 1405.9 | 1403.9 | 1454.8 |
| 42.5° | 1601.3 | 1294.1 | 972.6 | 1076.4 | 1054.0 | 1045.8 | 1239.2 | 1351.0 | 1324.6 | 1330.7 | 1395.8 |
| 45° | 1524.0 | 1257.4 | 891.2 | 909.5 | 990.9 | 984.8 | 1163.9 | 1271.7 | 1253.4 | 1269.7 | 1336.8 |
| 47.5° | 1446.7 | 1184.2 | 864.8 | 754.9 | 923.8 | 921.7 | 1080.5 | 1194.3 | 1184.2 | 1200.5 | 1271.7 |
| 50° | 1340.9 | 1102.8 | 862.7 | 647.0 | 848.5 | 856.6 | 980.7 | 1119.1 | 1119.1 | 1133.4 | 1208.6 |
| 52.5° | 1204.5 | 1003.1 | 783.4 | 586.0 | 761.0 | 785.4 | 893.2 | 1054.0 | 1058.1 | 1072.3 | 1139.4 |
| 55° | 1080.5 | 899.4 | 726.4 | 539.2 | 657.2 | 710.1 | 807.8 | 986.8 | 995.0 | 1009.2 | 1070.2 |
| 57.5° | 966.5 | 748.7 | 714.2 | 484.3 | 561.6 | 612.5 | 732.5 | 921.7 | 925.8 | 938.0 | 997.0 |
| 60° | 844.4 | 541.2 | 655.2 | 425.3 | 478.2 | 516.8 | 663.3 | 844.4 | 858.6 | 866.8 | 917.7 |
| 62.5° | 706.0 | 392.7 | 594.1 | 384.5 | 437.4 | 445.6 | 606.4 | 771.2 | 789.5 | 795.6 | 826.1 |
| 65° | 502.6 | 329.6 | 504.6 | 350.0 | 394.7 | 396.8 | 545.3 | 695.8 | 712.2 | 722.3 | 744.7 |
| 67.5° | 339.8 | 268.6 | 384.5 | 317.4 | 362.2 | 364.2 | 486.3 | 608.4 | 630.8 | 638.9 | 653.1 |
| 70° | 236.0 | 179.0 | 284.8 | 282.8 | 325.6 | 329.6 | 423.2 | 529.0 | 549.4 | 555.5 | 563.6 |
| 72.5° | 172.9 | 144.5 | 236.0 | 254.3 | 286.9 | 291.0 | 358.1 | 439.5 | 459.8 | 465.9 | 470.0 |
| 75° | 132.3 | 152.6 | 191.3 | 221.8 | 244.2 | 246.2 | 293.0 | 358.1 | 372.4 | 376.5 | 378.5 |
| 77.5° | 105.8 | 142.5 | 140.4 | 179.0 | 199.4 | 195.3 | 229.9 | 276.7 | 288.9 | 288.9 | 288.9 |
| 80° | 79.4 | 111.9 | 105.8 | 128.2 | 146.5 | 142.5 | 164.8 | 197.4 | 201.4 | 205.5 | 203.4 |
| 82.5° | 59.0 | 71.2 | 71.2 | 81.4 | 97.6 | 93.6 | 109.9 | 128.2 | 128.2 | 128.2 | 132.3 |
| 85° | 36.7 | 40.7 | 32.6 | 42.7 | 54.9 | 52.9 | 61.1 | 69.1 | 71.2 | 71.2 | 67.1 |
| 87.5° | 22.4 | 18.3 | 10.2 | 16.2 | 24.4 | 24.4 | 28.5 | 30.5 | 28.5 | 28.5 | 28.5 |
| 90° | 24.9 | 17.3 | 9.6 | 17.3 | 24.9 | 26.9 | 42.3 | 62.8 | 73.0 | 64.9 | 48.7 |
| 92.5° | 169.1 | 103.7 | 38.4 | 103.7 | 169.1 | 185.4 | 260.6 | 361.0 | 411.1 | 360.3 | 258.7 |
| 95° | 331.3 | 211.8 | 92.2 | 211.8 | 331.3 | 361.1 | 641.3 | 1014.8 | 1201.6 | 1072.2 | 813.6 |
| 97.5° | 370.4 | 264.9 | 159.5 | 264.9 | 370.4 | 396.7 | 863.9 | 1486.7 | 1798.1 | 1716.3 | 1552.9 |
| 100° | 402.6 | 306.9 | 211.3 | 306.9 | 402.6 | 426.5 | 944.9 | 1635.9 | 1981.5 | 1987.5 | 1999.5 |
| 102.5° | 433.9 | 344.7 | 255.5 | 344.7 | 433.9 | 456.2 | 982.0 | 1682.9 | 2033.4 | 2137.6 | 2345.9 |
| 105° | 481.6 | 405.9 | 330.4 | 405.9 | 481.6 | 500.4 | 1009.5 | 1688.2 | 2027.6 | 2261.2 | 2728.2 |
| 107.5° | 548.1 | 477.7 | 407.3 | 477.7 | 548.1 | 565.7 | 1014.6 | 1613.2 | 1912.4 | 2238.1 | 2889.6 |
| 110° | 586.4 | 522.8 | 459.2 | 522.8 | 586.4 | 602.2 | 1006.9 | 1546.5 | 1816.4 | 2180.5 | 2908.8 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 631.2 | 570.6 | 510.0 | 570.6 | 631.2 | 646.4 | 1007.2 | 1488.3 | 1728.9 | 2101.6 | 2846.9 |
| 115° | 698.7 | 642.8 | 586.9 | 642.8 | 698.7 | 712.7 | 1016.6 | 1421.7 | 1624.2 | 1983.2 | 2701.2 |
| 117.5° | 764.4 | 713.6 | 662.7 | 713.6 | 764.4 | 777.1 | 1035.4 | 1379.9 | 1552.2 | 1876.2 | 2524.2 |
| 120° | 802.6 | 754.8 | 706.9 | 754.8 | 802.6 | 814.5 | 1050.8 | 1365.8 | 1523.4 | 1819.4 | 2411.6 |
| 122.5° | 846.6 | 798.4 | 750.1 | 798.4 | 846.6 | 858.7 | 1072.9 | 1358.5 | 1501.3 | 1767.8 | 2301.1 |
| 125° | 904.4 | 860.4 | 816.4 | 860.4 | 904.4 | 915.4 | 1102.6 | 1352.4 | 1477.2 | 1703.7 | 2156.6 |
| 127.5° | 959.0 | 914.6 | 870.3 | 914.6 | 959.0 | 970.1 | 1132.4 | 1348.9 | 1457.1 | 1651.5 | 2040.4 |
| 130° | 994.7 | 946.9 | 899.1 | 946.9 | 994.7 | 1006.6 | 1154.2 | 1351.0 | 1449.4 | 1622.5 | 1968.7 |
| 132.5° | 1024.5 | 976.7 | 928.9 | 976.7 | 1024.5 | 1036.4 | 1171.9 | 1352.4 | 1442.7 | 1597.6 | 1907.5 |
| 135° | 1060.1 | 1016.6 | 973.0 | 1016.6 | 1060.1 | 1071.0 | 1191.0 | 1351.1 | 1431.1 | 1560.9 | 1820.5 |
| 137.5° | 1104.3 | 1061.3 | 1018.2 | 1061.3 | 1104.3 | 1115.1 | 1219.8 | 1359.4 | 1429.3 | 1539.0 | 1758.4 |
| 140° | 1135.0 | 1095.3 | 1055.6 | 1095.3 | 1135.0 | 1144.9 | 1237.5 | 1360.8 | 1422.5 | 1517.3 | 1706.9 |
| 142.5° | 1157.8 | 1121.1 | 1084.4 | 1121.1 | 1157.8 | 1167.0 | 1252.2 | 1365.7 | 1422.5 | 1505.7 | 1672.2 |
| 145° | 1192.7 | 1160.6 | 1128.6 | 1160.6 | 1192.7 | 1200.7 | 1271.4 | 1365.7 | 1412.9 | 1480.9 | 1617.2 |
| 147.5° | 1235.2 | 1204.0 | 1172.8 | 1204.0 | 1235.2 | 1242.9 | 1299.6 | 1375.1 | 1412.9 | 1466.5 | 1573.6 |
| 150° | 1257.9 | 1229.8 | 1201.6 | 1229.8 | 1257.9 | 1265.0 | 1314.2 | 1380.0 | 1412.9 | 1458.1 | 1548.6 |
| 152.5° | 1274.1 | 1252.7 | 1231.4 | 1252.7 | 1274.1 | 1279.4 | 1323.9 | 1383.2 | 1412.9 | 1451.5 | 1528.8 |
| 155° | 1307.2 | 1291.4 | 1275.6 | 1291.4 | 1307.2 | 1311.1 | 1345.0 | 1390.2 | 1412.9 | 1443.6 | 1505.1 |
| 157.5° | 1339.0 | 1323.6 | 1308.2 | 1323.6 | 1339.0 | 1342.8 | 1366.1 | 1397.3 | 1412.9 | 1436.8 | 1484.6 |
| 160° | 1354.2 | 1342.3 | 1330.3 | 1342.3 | 1354.2 | 1357.2 | 1375.8 | 1400.5 | 1412.9 | 1433.4 | 1474.4 |
| 162.5° | 1370.4 | 1361.4 | 1352.4 | 1361.4 | 1370.4 | 1372.6 | 1386.0 | 1403.9 | 1412.9 | 1430.2 | 1464.8 |
| 165° | 1392.6 | 1384.5 | 1376.4 | 1384.5 | 1392.6 | 1394.6 | 1400.7 | 1408.8 | 1412.9 | 1425.3 | 1450.1 |
| 167.5° | 1406.2 | 1402.3 | 1398.5 | 1402.3 | 1406.2 | 1407.2 | 1412.3 | 1419.1 | 1422.5 | 1430.6 | 1446.8 |
| 170° | 1420.6 | 1416.7 | 1412.9 | 1416.7 | 1420.6 | 1421.6 | 1421.9 | 1422.3 | 1422.5 | 1430.6 | 1446.8 |
| 172.5° | 1422.3 | 1421.4 | 1420.6 | 1421.4 | 1422.3 | 1422.5 | 1422.5 | 1422.5 | 1422.5 | 1428.9 | 1441.7 |
| 175° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.3 | 1424.4 | 1422.5 | 1426.6 | 1434.7 |
| 177.5° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1428.9 | 1425.9 | 1424.4 | 1427.7 | 1434.0 |
| 180° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 |
| 2.5° | 2075.4 | 2069.3 | 2077.5 | 2055.1 | 2077.5 | 2069.3 | 2075.4 | 2089.6 | 2077.5 | 2085.5 | 2093.7 |
| 5° | 1821.0 | 1810.9 | 1778.3 | 1751.9 | 1778.3 | 1810.9 | 1821.0 | 1863.8 | 1884.1 | 1920.8 | 1969.6 |
| 7.5° | 1627.8 | 1619.6 | 1611.5 | 1595.2 | 1611.5 | 1619.6 | 1627.8 | 1639.9 | 1660.4 | 1692.8 | 1729.5 |
| 10° | 1585.0 | 1587.0 | 1599.3 | 1597.2 | 1599.3 | 1587.0 | 1585.0 | 1581.0 | 1574.9 | 1581.0 | 1603.4 |
| 12.5° | 1694.9 | 1713.2 | 1780.4 | 1776.3 | 1780.4 | 1713.2 | 1694.9 | 1613.5 | 1558.6 | 1548.4 | 1552.5 |
| 15° | 1821.0 | 1827.1 | 1841.4 | 1843.5 | 1841.4 | 1827.1 | 1821.0 | 1788.5 | 1623.7 | 1552.5 | 1530.1 |
| 17.5° | 1833.3 | 1835.3 | 1845.5 | 1845.5 | 1845.5 | 1835.3 | 1833.3 | 1819.0 | 1764.1 | 1668.4 | 1542.3 |
| 20° | 1823.1 | 1827.1 | 1847.5 | 1851.6 | 1847.5 | 1827.1 | 1823.1 | 1804.8 | 1774.2 | 1739.7 | 1644.0 |
| 22.5° | 1819.0 | 1827.1 | 1843.5 | 1841.4 | 1843.5 | 1827.1 | 1819.0 | 1790.6 | 1764.1 | 1739.7 | 1701.0 |
| 25° | 1798.6 | 1798.6 | 1800.7 | 1802.7 | 1800.7 | 1798.6 | 1798.6 | 1776.3 | 1723.4 | 1717.3 | 1694.9 |
| 27.5° | 1756.0 | 1760.0 | 1772.2 | 1770.2 | 1772.2 | 1760.0 | 1756.0 | 1747.8 | 1690.8 | 1684.8 | 1668.4 |
| 30° | 1717.3 | 1713.2 | 1703.0 | 1694.9 | 1703.0 | 1713.2 | 1717.3 | 1705.1 | 1648.1 | 1631.9 | 1635.9 |
| 32.5° | 1652.2 | 1642.0 | 1631.9 | 1625.7 | 1631.9 | 1642.0 | 1652.2 | 1648.1 | 1605.4 | 1583.0 | 1587.0 |
| 35° | 1574.9 | 1576.9 | 1574.9 | 1568.7 | 1574.9 | 1576.9 | 1574.9 | 1579.0 | 1552.5 | 1532.1 | 1530.1 |
| 37.5° | 1519.9 | 1524.0 | 1522.0 | 1513.8 | 1522.0 | 1524.0 | 1519.9 | 1515.8 | 1479.2 | 1473.2 | 1477.2 |
| 40° | 1462.9 | 1465.0 | 1462.9 | 1456.8 | 1462.9 | 1465.0 | 1462.9 | 1454.8 | 1403.9 | 1405.9 | 1420.2 |
| 42.5° | 1408.0 | 1405.9 | 1399.9 | 1395.8 | 1399.9 | 1405.9 | 1408.0 | 1395.8 | 1330.7 | 1324.6 | 1351.0 |
| 45° | 1345.0 | 1347.0 | 1334.8 | 1328.6 | 1334.8 | 1347.0 | 1345.0 | 1336.8 | 1269.7 | 1253.4 | 1271.7 |
| 47.5° | 1281.9 | 1281.9 | 1271.7 | 1265.6 | 1271.7 | 1281.9 | 1281.9 | 1271.7 | 1200.5 | 1184.2 | 1194.3 |
| 50° | 1214.8 | 1212.7 | 1198.4 | 1196.4 | 1198.4 | 1212.7 | 1214.8 | 1208.6 | 1133.4 | 1119.1 | 1119.1 |
| 52.5° | 1137.4 | 1137.4 | 1139.4 | 1143.5 | 1139.4 | 1137.4 | 1137.4 | 1139.4 | 1072.3 | 1058.1 | 1054.0 |
| 55° | 1070.2 | 1072.3 | 1086.5 | 1090.6 | 1086.5 | 1072.3 | 1070.2 | 1070.2 | 1009.2 | 995.0 | 986.8 |
| 57.5° | 1001.1 | 1001.1 | 1011.2 | 1011.2 | 1011.2 | 1001.1 | 1001.1 | 997.0 | 938.0 | 925.8 | 921.7 |
| 60° | 921.7 | 925.8 | 933.9 | 931.9 | 933.9 | 925.8 | 921.7 | 917.7 | 866.8 | 858.6 | 844.4 |
| 62.5° | 838.3 | 842.4 | 844.4 | 840.3 | 844.4 | 842.4 | 838.3 | 826.1 | 795.6 | 789.5 | 771.2 |
| 65° | 750.8 | 754.9 | 756.9 | 752.8 | 756.9 | 754.9 | 750.8 | 744.7 | 722.3 | 712.2 | 695.8 |
| 67.5° | 661.3 | 659.3 | 657.2 | 665.4 | 657.2 | 659.3 | 661.3 | 653.1 | 638.9 | 630.8 | 608.4 |
| 70° | 569.7 | 569.7 | 567.6 | 571.7 | 567.6 | 569.7 | 569.7 | 563.6 | 555.5 | 549.4 | 529.0 |
| 72.5° | 472.1 | 470.0 | 478.2 | 472.1 | 478.2 | 470.0 | 472.1 | 470.0 | 465.9 | 459.8 | 439.5 |
| 75° | 376.5 | 380.5 | 376.5 | 382.5 | 376.5 | 380.5 | 376.5 | 378.5 | 376.5 | 372.4 | 358.1 |
| 77.5° | 286.9 | 291.0 | 286.9 | 286.9 | 286.9 | 291.0 | 286.9 | 288.9 | 288.9 | 288.9 | 276.7 |
| 80° | 203.4 | 201.4 | 201.4 | 199.4 | 201.4 | 201.4 | 203.4 | 203.4 | 205.5 | 201.4 | 197.4 |
| 82.5° | 130.2 | 128.2 | 128.2 | 132.3 | 128.2 | 128.2 | 130.2 | 132.3 | 128.2 | 128.2 | 128.2 |
| 85° | 71.2 | 73.2 | 69.1 | 69.1 | 69.1 | 73.2 | 71.2 | 67.1 | 71.2 | 71.2 | 69.1 |
| 87.5° | 26.5 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 26.5 | 28.5 | 28.5 | 28.5 | 30.5 |
| 90° | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 48.7 | 64.9 | 73.0 | 62.8 |
| 92.5° | 182.5 | 175.3 | 146.2 | 117.2 | 146.2 | 175.3 | 182.5 | 258.7 | 360.3 | 411.1 | 361.0 |
| 95° | 619.5 | 597.5 | 509.6 | 421.7 | 509.6 | 597.5 | 619.5 | 813.6 | 1072.2 | 1201.6 | 1014.8 |
| 97.5° | 1430.2 | 1388.4 | 1221.0 | 1053.7 | 1221.0 | 1388.4 | 1430.2 | 1552.9 | 1716.3 | 1798.1 | 1486.7 |
| 100° | 2008.4 | 1958.6 | 1759.2 | 1559.9 | 1759.2 | 1958.6 | 2008.4 | 1999.5 | 1987.5 | 1981.5 | 1635.9 |
| 102.5° | 2502.1 | 2459.5 | 2288.7 | 2118.0 | 2288.7 | 2459.5 | 2502.1 | 2345.9 | 2137.6 | 2033.4 | 1682.9 |
| 105° | 3078.5 | 3055.5 | 2963.7 | 2871.9 | 2963.7 | 3055.5 | 3078.5 | 2728.2 | 2261.2 | 2027.6 | 1688.2 |
| 107.5° | 3378.1 | 3383.7 | 3405.9 | 3428.0 | 3405.9 | 3383.7 | 3378.1 | 2889.6 | 2238.1 | 1912.4 | 1613.2 |
| 110° | 3455.0 | 3478.9 | 3574.5 | 3670.1 | 3574.5 | 3478.9 | 3455.0 | 2908.8 | 2180.5 | 1816.4 | 1546.5 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3405.9 | 3442.7 | 3589.5 | 3736.3 | 3589.5 | 3442.7 | 3405.9 | 2846.9 | 2101.6 | 1728.9 | 1488.3 |
| 115° | 3239.8 | 3290.7 | 3494.3 | 3697.9 | 3494.3 | 3290.7 | 3239.8 | 2701.2 | 1983.2 | 1624.2 | 1421.7 |
| 117.5° | 3010.2 | 3066.7 | 3292.5 | 3518.4 | 3292.5 | 3066.7 | 3010.2 | 2524.2 | 1876.2 | 1552.2 | 1379.9 |
| 120° | 2855.6 | 2910.4 | 3129.9 | 3349.3 | 3129.9 | 2910.4 | 2855.6 | 2411.6 | 1819.4 | 1523.4 | 1365.8 |
| 122.5° | 2700.9 | 2755.1 | 2971.5 | 3188.0 | 2971.5 | 2755.1 | 2700.9 | 2301.1 | 1767.8 | 1501.3 | 1358.5 |
| 125° | 2496.3 | 2546.2 | 2745.6 | 2944.9 | 2745.6 | 2546.2 | 2496.3 | 2156.6 | 1703.7 | 1477.2 | 1352.4 |
| 127.5° | 2332.1 | 2374.1 | 2542.4 | 2710.6 | 2542.4 | 2374.1 | 2332.1 | 2040.4 | 1651.5 | 1457.1 | 1348.9 |
| 130° | 2228.4 | 2267.3 | 2422.7 | 2578.0 | 2422.7 | 2267.3 | 2228.4 | 1968.7 | 1622.5 | 1449.4 | 1351.0 |
| 132.5° | 2140.0 | 2174.8 | 2313.9 | 2453.1 | 2313.9 | 2174.8 | 2140.0 | 1907.5 | 1597.6 | 1442.7 | 1352.4 |
| 135° | 2015.2 | 2045.1 | 2165.1 | 2285.1 | 2165.1 | 2045.1 | 2015.2 | 1820.5 | 1560.9 | 1431.1 | 1351.1 |
| 137.5° | 1922.9 | 1947.5 | 2045.7 | 2143.8 | 2045.7 | 1947.5 | 1922.9 | 1758.4 | 1539.0 | 1429.3 | 1359.4 |
| 140° | 1849.0 | 1871.9 | 1963.7 | 2055.5 | 1963.7 | 1871.9 | 1849.0 | 1706.9 | 1517.3 | 1422.5 | 1360.8 |
| 142.5° | 1797.1 | 1816.8 | 1895.8 | 1974.8 | 1895.8 | 1816.8 | 1797.1 | 1672.2 | 1505.7 | 1422.5 | 1365.7 |
| 145° | 1719.3 | 1734.3 | 1794.0 | 1853.8 | 1794.0 | 1734.3 | 1719.3 | 1617.2 | 1480.9 | 1412.9 | 1365.7 |
| 147.5° | 1654.0 | 1666.4 | 1715.9 | 1765.4 | 1715.9 | 1666.4 | 1654.0 | 1573.6 | 1466.5 | 1412.9 | 1375.1 |
| 150° | 1616.5 | 1626.5 | 1666.7 | 1706.9 | 1666.7 | 1626.5 | 1616.5 | 1548.6 | 1458.1 | 1412.9 | 1380.0 |
| 152.5° | 1586.7 | 1594.3 | 1624.6 | 1655.0 | 1624.6 | 1594.3 | 1586.7 | 1528.8 | 1451.5 | 1412.9 | 1383.2 |
| 155° | 1551.2 | 1556.2 | 1576.3 | 1596.4 | 1576.3 | 1556.2 | 1551.2 | 1505.1 | 1443.6 | 1412.9 | 1390.2 |
| 157.5° | 1520.5 | 1524.1 | 1538.1 | 1552.2 | 1538.1 | 1524.1 | 1520.5 | 1484.6 | 1436.8 | 1412.9 | 1397.3 |
| 160° | 1505.1 | 1507.1 | 1515.3 | 1523.4 | 1515.3 | 1507.1 | 1505.1 | 1474.4 | 1433.4 | 1412.9 | 1400.5 |
| 162.5° | 1490.7 | 1492.6 | 1500.3 | 1508.0 | 1500.3 | 1492.6 | 1490.7 | 1464.8 | 1430.2 | 1412.9 | 1403.9 |
| 165° | 1468.6 | 1470.6 | 1478.8 | 1486.9 | 1478.8 | 1470.6 | 1468.6 | 1450.1 | 1425.3 | 1412.9 | 1408.8 |
| 167.5° | 1459.0 | 1459.8 | 1463.3 | 1466.7 | 1463.3 | 1459.8 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1419.1 |
| 170° | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1459.0 | 1446.8 | 1430.6 | 1422.5 | 1422.3 |
| 172.5° | 1451.3 | 1450.5 | 1447.6 | 1444.6 | 1447.6 | 1450.5 | 1451.3 | 1441.7 | 1428.9 | 1422.5 | 1422.5 |
| 175° | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1440.7 | 1434.7 | 1426.6 | 1422.5 | 1424.4 |
| 177.5° | 1438.8 | 1438.0 | 1434.5 | 1431.1 | 1434.5 | 1438.0 | 1438.8 | 1434.0 | 1427.7 | 1424.4 | 1425.9 |
| 180° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2150.7 | 2150.7 | 2150.7 | 2150.7 | 2150.7 |
| 2.5° | 2124.2 | 2134.4 | 2140.5 | 2148.7 | 2169.0 |
| 5° | 2042.8 | 2081.5 | 2093.7 | 2124.2 | 2160.9 |
| 7.5° | 1863.8 | 1981.8 | 2014.3 | 2087.6 | 2144.6 |
| 10° | 1690.8 | 1808.9 | 1865.8 | 2038.8 | 2124.2 |
| 12.5° | 1603.4 | 1672.5 | 1711.2 | 1953.3 | 2095.7 |
| 15° | 1548.4 | 1597.2 | 1625.7 | 1839.4 | 2063.2 |
| 17.5° | 1505.7 | 1540.3 | 1560.6 | 1727.5 | 2018.4 |
| 20° | 1479.2 | 1495.5 | 1513.8 | 1646.1 | 1967.6 |
| 22.5° | 1460.9 | 1450.8 | 1465.0 | 1589.1 | 1898.4 |
| 25° | 1448.7 | 1410.0 | 1426.3 | 1544.3 | 1817.0 |
| 27.5° | 1458.9 | 1373.4 | 1379.5 | 1503.7 | 1731.5 |
| 30° | 1460.9 | 1328.6 | 1330.7 | 1460.9 | 1635.9 |
| 32.5° | 1446.7 | 1281.9 | 1283.9 | 1408.0 | 1528.1 |
| 35° | 1412.1 | 1226.9 | 1224.9 | 1347.0 | 1381.5 |
| 37.5° | 1365.3 | 1167.9 | 1167.9 | 1279.8 | 1220.8 |
| 40° | 1308.3 | 1108.9 | 1115.0 | 1192.3 | 1078.4 |
| 42.5° | 1239.2 | 1045.8 | 1054.0 | 1076.4 | 972.6 |
| 45° | 1163.9 | 984.8 | 990.9 | 909.5 | 891.2 |
| 47.5° | 1080.5 | 921.7 | 923.8 | 754.9 | 864.8 |
| 50° | 980.7 | 856.6 | 848.5 | 647.0 | 862.7 |
| 52.5° | 893.2 | 785.4 | 761.0 | 586.0 | 783.4 |
| 55° | 807.8 | 710.1 | 657.2 | 539.2 | 726.4 |
| 57.5° | 732.5 | 612.5 | 561.6 | 484.3 | 714.2 |
| 60° | 663.3 | 516.8 | 478.2 | 425.3 | 655.2 |
| 62.5° | 606.4 | 445.6 | 437.4 | 384.5 | 594.1 |
| 65° | 545.3 | 396.8 | 394.7 | 350.0 | 504.6 |
| 67.5° | 486.3 | 364.2 | 362.2 | 317.4 | 384.5 |
| 70° | 423.2 | 329.6 | 325.6 | 282.8 | 284.8 |
| 72.5° | 358.1 | 291.0 | 286.9 | 254.3 | 236.0 |
| 75° | 293.0 | 246.2 | 244.2 | 221.8 | 191.3 |
| 77.5° | 229.9 | 195.3 | 199.4 | 179.0 | 140.4 |
| 80° | 164.8 | 142.5 | 146.5 | 128.2 | 105.8 |
| 82.5° | 109.9 | 93.6 | 97.6 | 81.4 | 71.2 |
| 85° | 61.1 | 52.9 | 54.9 | 42.7 | 32.6 |
| 87.5° | 28.5 | 24.4 | 24.4 | 16.2 | 10.2 |
| 90° | 42.3 | 26.9 | 24.9 | 17.3 | 9.6 |
| 92.5° | 260.6 | 185.4 | 169.1 | 103.7 | 38.4 |
| 95° | 641.3 | 361.1 | 331.3 | 211.8 | 92.2 |
| 97.5° | 863.9 | 396.7 | 370.4 | 264.9 | 159.5 |
| 100° | 944.9 | 426.5 | 402.6 | 306.9 | 211.3 |
| 102.5° | 982.0 | 456.2 | 433.9 | 344.7 | 255.5 |
| 105° | 1009.5 | 500.4 | 481.6 | 405.9 | 330.4 |
| 107.5° | 1014.6 | 565.7 | 548.1 | 477.7 | 407.3 |
| 110° | 1006.9 | 602.2 | 586.4 | 522.8 | 459.2 |



TEST NUMBER: P936024

CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1007.2 | 646.4 | 631.2 | 570.6 | 510.0 |
| 115° | 1016.6 | 712.7 | 698.7 | 642.8 | 586.9 |
| 117.5° | 1035.4 | 777.1 | 764.4 | 713.6 | 662.7 |
| 120° | 1050.8 | 814.5 | 802.6 | 754.8 | 706.9 |
| 122.5° | 1072.9 | 858.7 | 846.6 | 798.4 | 750.1 |
| 125° | 1102.6 | 915.4 | 904.4 | 860.4 | 816.4 |
| 127.5° | 1132.4 | 970.1 | 959.0 | 914.6 | 870.3 |
| 130° | 1154.2 | 1006.6 | 994.7 | 946.9 | 899.1 |
| 132.5° | 1171.9 | 1036.4 | 1024.5 | 976.7 | 928.9 |
| 135° | 1191.0 | 1071.0 | 1060.1 | 1016.6 | 973.0 |
| 137.5° | 1219.8 | 1115.1 | 1104.3 | 1061.3 | 1018.2 |
| 140° | 1237.5 | 1144.9 | 1135.0 | 1095.3 | 1055.6 |
| 142.5° | 1252.2 | 1167.0 | 1157.8 | 1121.1 | 1084.4 |
| 145° | 1271.4 | 1200.7 | 1192.7 | 1160.6 | 1128.6 |
| 147.5° | 1299.6 | 1242.9 | 1235.2 | 1204.0 | 1172.8 |
| 150° | 1314.2 | 1265.0 | 1257.9 | 1229.8 | 1201.6 |
| 152.5° | 1323.9 | 1279.4 | 1274.1 | 1252.7 | 1231.4 |
| 155° | 1345.0 | 1311.1 | 1307.2 | 1291.4 | 1275.6 |
| 157.5° | 1366.1 | 1342.8 | 1339.0 | 1323.6 | 1308.2 |
| 160° | 1375.8 | 1357.2 | 1354.2 | 1342.3 | 1330.3 |
| 162.5° | 1386.0 | 1372.6 | 1370.4 | 1361.4 | 1352.4 |
| 165° | 1400.7 | 1394.6 | 1392.6 | 1384.5 | 1376.4 |
| 167.5° | 1412.3 | 1407.2 | 1406.2 | 1402.3 | 1398.5 |
| 170° | 1421.9 | 1421.6 | 1420.6 | 1416.7 | 1412.9 |
| 172.5° | 1422.5 | 1422.5 | 1422.3 | 1421.4 | 1420.6 |
| 175° | 1428.3 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |
| 177.5° | 1428.9 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |
| 180° | 1431.1 | 1431.1 | 1431.1 | 1431.1 | 1431.1 |



TEST NUMBER: P936024
 CATALOG NUMBER: SQ4-FA-150U-100D-927-1D-UNV-STD-W-8

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 | 11.53 | 12.29 | 12.58 | 13.35 | 14.79 | 14.36 | 15.12 | 15.42 | 16.19 | 17.62 |
| | 3H | 12.00 | 12.68 | 13.06 | 13.75 | 15.20 | 15.71 | 16.39 | 16.77 | 17.45 | 18.91 |
| | 4H | 12.18 | 12.83 | 13.26 | 13.90 | 15.36 | 16.15 | 16.79 | 17.22 | 17.86 | 19.33 |
| | 6H | 12.30 | 12.89 | 13.38 | 13.96 | 15.44 | 16.43 | 17.02 | 17.51 | 18.10 | 19.57 |
| | 8H | 12.29 | 12.86 | 13.39 | 13.95 | 15.42 | 16.50 | 17.06 | 17.59 | 18.16 | 19.63 |
| | 12H | 12.26 | 12.80 | 13.36 | 13.88 | 15.38 | 16.54 | 17.07 | 17.63 | 18.16 | 19.65 |
| 4H | 2H | 12.55 | 13.19 | 13.63 | 14.27 | 15.73 | 14.76 | 15.41 | 15.85 | 16.48 | 17.94 |
| | 3H | 13.57 | 14.10 | 14.66 | 15.20 | 16.68 | 16.26 | 16.80 | 17.35 | 17.90 | 19.37 |
| | 4H | 13.84 | 14.33 | 14.94 | 15.42 | 16.92 | 16.79 | 17.28 | 17.88 | 18.37 | 19.86 |
| | 6H | 13.96 | 14.38 | 15.06 | 15.49 | 16.98 | 17.15 | 17.57 | 18.25 | 18.68 | 20.17 |
| | 8H | 13.96 | 14.36 | 15.07 | 15.46 | 16.97 | 17.25 | 17.65 | 18.36 | 18.75 | 20.26 |
| | 12H | 13.92 | 14.28 | 15.05 | 15.40 | 16.91 | 17.31 | 17.66 | 18.43 | 18.78 | 20.29 |
| 8H | 4H | 14.29 | 14.68 | 15.39 | 15.78 | 17.29 | 16.90 | 17.30 | 18.01 | 18.40 | 19.91 |
| | 6H | 14.54 | 14.87 | 15.67 | 16.01 | 17.52 | 17.34 | 17.66 | 18.46 | 18.81 | 20.31 |
| | 8H | 14.58 | 14.87 | 15.72 | 16.00 | 17.52 | 17.49 | 17.77 | 18.62 | 18.90 | 20.42 |
| | 12H | 14.56 | 14.81 | 15.70 | 15.94 | 17.50 | 17.58 | 17.83 | 18.72 | 18.96 | 20.52 |
| 12H | 4H | 14.29 | 14.64 | 15.41 | 15.76 | 17.27 | 16.86 | 17.22 | 17.98 | 18.33 | 19.85 |
| | 6H | 14.60 | 14.89 | 15.74 | 16.02 | 17.54 | 17.33 | 17.62 | 18.47 | 18.74 | 20.27 |
| | 8H | 14.66 | 14.92 | 15.80 | 16.04 | 17.60 | 17.49 | 17.74 | 18.63 | 18.86 | 20.42 |