

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: P935311

Luminaire Tested: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935311
REPORT IS A COMBINATION OF REPORTS P933751 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

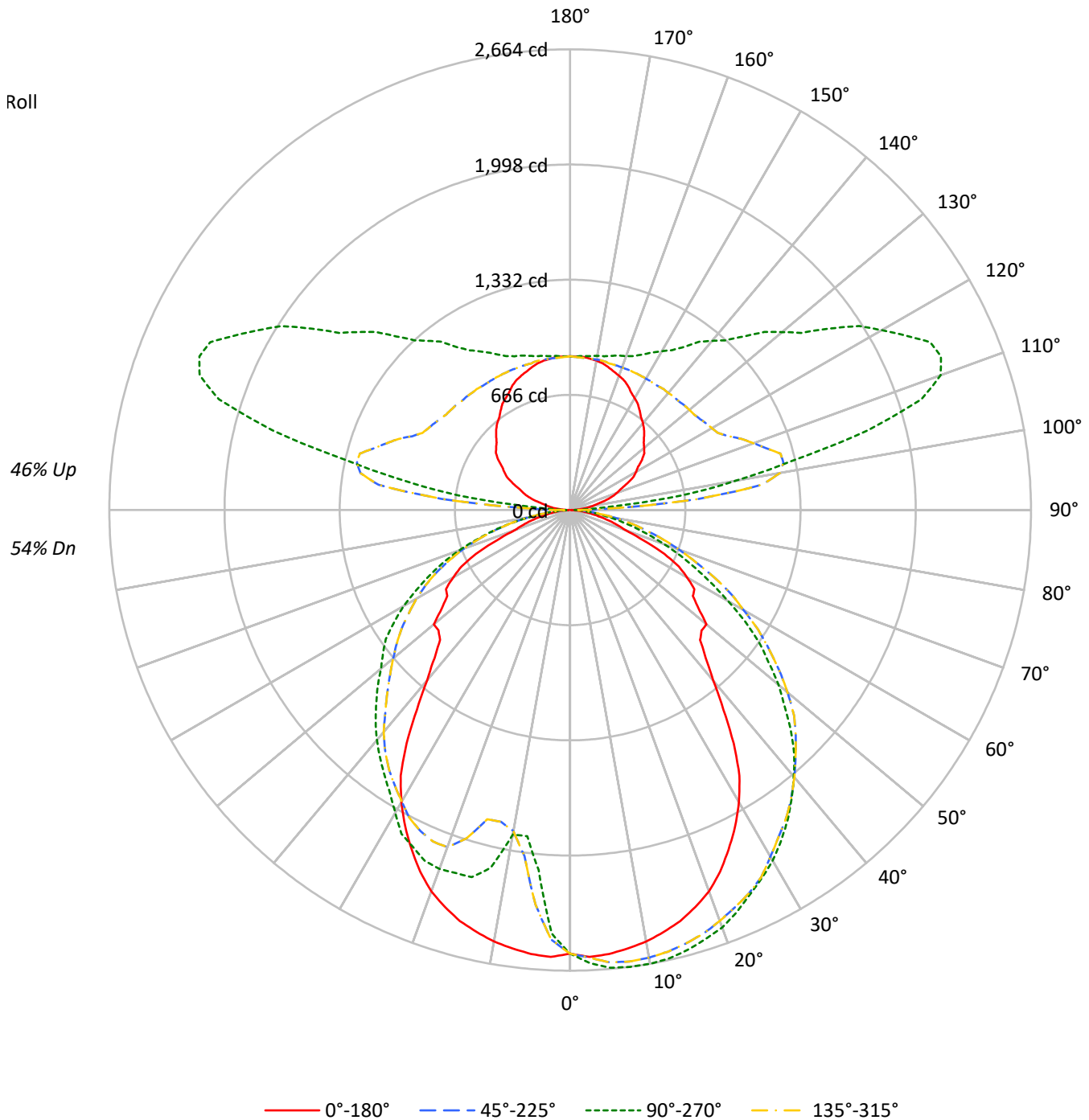
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12414.6 lumens
Efficiency: N/A
Efficacy: 120.3 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: General Diffuse

Input Watts (W): 103.2
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: P935311
CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 54 | | | | 54 |
| 1 | 99 | 94 | 90 | 87 | 91 | 88 | 84 | 81 | 75 | 73 | 70 | 63 | 62 | 60 | 53 | 51 | 50 | 45 | | | | 45 |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 46 | 44 | 42 | 38 | | | | 38 |
| 3 | 82 | 72 | 65 | 59 | 76 | 67 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 42 | 41 | 38 | 36 | 32 | | | | 32 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 51 | 46 | 42 | 44 | 40 | 36 | 37 | 34 | 31 | 28 | | | | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 40 | 36 | 39 | 35 | 31 | 33 | 30 | 27 | 24 | | | | 24 |
| 6 | 63 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 41 | 36 | 31 | 35 | 31 | 28 | 30 | 26 | 24 | 21 | | | | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 32 | 28 | 24 | 27 | 24 | 21 | 19 | | | | 19 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 29 | 24 | 29 | 25 | 22 | 25 | 22 | 19 | 17 | | | | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 24 | 31 | 26 | 22 | 27 | 23 | 19 | 23 | 20 | 17 | 15 | | | | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 23 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 | | | | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 15866 | 15866 | 15866 | 15866 |
| 5° | 15979 | 16016 | 15979 | 12593 |
| 10° | 15866 | 15777 | 15866 | 11279 |
| 15° | 15688 | 15435 | 15688 | 12888 |
| 20° | 15354 | 15030 | 15354 | 12915 |
| 25° | 14676 | 14439 | 14676 | 12642 |
| 30° | 13802 | 13949 | 13802 | 12041 |
| 35° | 12299 | 13329 | 12299 | 11380 |
| 40° | 10242 | 12598 | 10242 | 10881 |
| 45° | 9146 | 11744 | 9146 | 10308 |
| 50° | 9708 | 10725 | 9708 | 9731 |
| 55° | 9125 | 9626 | 9125 | 9398 |
| 60° | 9395 | 8176 | 9395 | 8609 |
| 65° | 8505 | 6758 | 8505 | 7555 |
| 70° | 5875 | 5386 | 5875 | 6332 |
| 75° | 5133 | 3982 | 5133 | 4768 |
| 80° | 4108 | 2632 | 4108 | 2866 |
| 85° | 2313 | 1393 | 2313 | 1185 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14026 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 231.5 | 1.9 |
| 10°-20° | 657.3 | 5.3 |
| 20°-30° | 1016.1 | 8.2 |
| 30°-40° | 1213.0 | 9.8 |
| 40°-50° | 1220.1 | 9.8 |
| 50°-60° | 1061.7 | 8.6 |
| 60°-70° | 752.7 | 6.1 |
| 70°-80° | 398.2 | 3.2 |
| 80°-90° | 102.6 | 0.8 |
| 90°-100° | 433.2 | 3.5 |
| 100°-110° | 1138.9 | 9.2 |
| 110°-120° | 1180.9 | 9.5 |
| 120°-130° | 947.3 | 7.6 |
| 130°-140° | 743.3 | 6.0 |
| 140°-150° | 570.5 | 4.6 |
| 150°-160° | 410.8 | 3.3 |
| 160°-170° | 251.4 | 2.0 |
| 170°-180° | 84.9 | 0.7 |
| 0°-30° | 1905.0 | 15.3 |
| 0°-40° | 3118.0 | 25.1 |
| 0°-60° | 5399.8 | 43.5 |
| 0°-90° | 6653.3 | 53.6 |
| 90°-120° | 2753.1 | 22.2 |
| 90°-150° | 5014.1 | 40.4 |
| 90°-180° | 5761.0 | 46.4 |
| 0°-180° | 12414.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2565 | 2565 | 2565 | 2565 | 2565 | |
| 5° | 2577 | 2657 | 2577 | 2089 | 2577 | 244 |
| 15° | 2460 | 2633 | 2460 | 2198 | 2460 | 692 |
| 25° | 2167 | 2456 | 2167 | 2150 | 2167 | 995 |
| 35° | 1648 | 2191 | 1648 | 1871 | 1648 | 1019 |
| 45° | 1063 | 1805 | 1063 | 1584 | 1063 | 851 |
| 55° | 866 | 1332 | 866 | 1300 | 866 | 796 |
| 65° | 602 | 803 | 602 | 898 | 602 | 575 |
| 75° | 228 | 381 | 228 | 456 | 228 | 240 |
| 85° | 39 | 97 | 39 | 82 | 39 | 52 |
| 90° | 6 | 23 | 6 | 23 | 6 | 7 |
| 95° | 57 | 262 | 57 | 262 | 57 | 64 |
| 105° | 205 | 1783 | 205 | 1783 | 205 | 218 |
| 115° | 364 | 2296 | 364 | 2296 | 364 | 360 |
| 125° | 507 | 1829 | 507 | 1829 | 507 | 450 |
| 135° | 604 | 1419 | 604 | 1419 | 604 | 467 |
| 145° | 701 | 1151 | 701 | 1151 | 701 | 439 |
| 155° | 792 | 991 | 792 | 991 | 792 | 364 |
| 165° | 855 | 923 | 855 | 923 | 855 | 241 |
| 175° | 889 | 895 | 889 | 895 | 889 | 84 |
| 180° | 889 | 889 | 889 | 889 | 889 | |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 |
| 2.5° | 2586.6 | 2586.6 | 2601.2 | 2606.0 | 2606.0 | 2598.7 | 2591.4 | 2598.7 | 2620.6 | 2627.9 | 2625.4 |
| 5° | 2576.9 | 2596.3 | 2623.0 | 2627.9 | 2632.7 | 2630.2 | 2625.4 | 2630.2 | 2654.5 | 2659.4 | 2661.8 |
| 7.5° | 2557.5 | 2593.8 | 2627.9 | 2635.1 | 2642.4 | 2635.1 | 2632.7 | 2637.5 | 2661.8 | 2666.7 | 2666.7 |
| 10° | 2533.2 | 2584.2 | 2623.0 | 2627.9 | 2635.1 | 2627.9 | 2627.9 | 2637.5 | 2661.8 | 2666.7 | 2669.1 |
| 12.5° | 2499.3 | 2569.6 | 2606.0 | 2610.8 | 2620.6 | 2618.1 | 2615.7 | 2625.4 | 2649.6 | 2654.5 | 2654.5 |
| 15° | 2460.5 | 2542.9 | 2576.9 | 2581.8 | 2598.7 | 2593.8 | 2593.8 | 2603.6 | 2630.2 | 2637.5 | 2635.1 |
| 17.5° | 2407.0 | 2508.9 | 2547.7 | 2555.0 | 2567.1 | 2564.8 | 2567.1 | 2576.9 | 2601.2 | 2606.0 | 2608.4 |
| 20° | 2346.4 | 2462.8 | 2508.9 | 2516.2 | 2528.3 | 2528.3 | 2528.3 | 2540.5 | 2564.8 | 2574.4 | 2574.4 |
| 22.5° | 2263.9 | 2414.3 | 2462.8 | 2467.7 | 2482.3 | 2482.3 | 2487.1 | 2504.1 | 2525.9 | 2528.3 | 2528.3 |
| 25° | 2166.8 | 2360.9 | 2402.1 | 2416.8 | 2431.3 | 2438.6 | 2445.8 | 2455.6 | 2462.8 | 2460.5 | 2462.8 |
| 27.5° | 2064.9 | 2293.0 | 2346.4 | 2356.1 | 2375.5 | 2382.7 | 2392.5 | 2394.9 | 2397.4 | 2404.6 | 2399.8 |
| 30° | 1950.8 | 2198.3 | 2278.4 | 2288.1 | 2319.6 | 2324.5 | 2314.9 | 2319.6 | 2331.8 | 2336.7 | 2341.5 |
| 32.5° | 1822.2 | 2057.6 | 2208.1 | 2229.9 | 2259.0 | 2244.5 | 2242.0 | 2249.3 | 2268.7 | 2268.7 | 2273.6 |
| 35° | 1647.6 | 1948.4 | 2142.6 | 2162.0 | 2183.8 | 2166.8 | 2176.5 | 2178.9 | 2191.1 | 2198.3 | 2195.9 |
| 37.5° | 1455.9 | 1853.8 | 2074.6 | 2089.1 | 2106.2 | 2084.3 | 2098.9 | 2106.2 | 2115.8 | 2111.0 | 2111.0 |
| 40° | 1286.0 | 1705.8 | 1994.5 | 2004.3 | 2018.8 | 2001.8 | 2016.4 | 2021.3 | 2026.1 | 2021.3 | 2018.8 |
| 42.5° | 1159.8 | 1543.2 | 1909.6 | 1921.8 | 1912.0 | 1924.1 | 1929.0 | 1938.8 | 1931.4 | 1921.8 | 1921.8 |
| 45° | 1062.8 | 1499.6 | 1817.4 | 1832.0 | 1817.4 | 1836.9 | 1844.1 | 1844.1 | 1822.2 | 1817.4 | 1815.0 |
| 47.5° | 1031.2 | 1412.2 | 1725.2 | 1725.2 | 1717.9 | 1742.2 | 1754.4 | 1737.3 | 1715.4 | 1708.2 | 1708.2 |
| 50° | 1028.8 | 1315.2 | 1599.0 | 1589.4 | 1623.3 | 1652.4 | 1640.3 | 1623.3 | 1606.3 | 1579.6 | 1579.6 |
| 52.5° | 934.2 | 1196.2 | 1436.5 | 1472.8 | 1526.3 | 1543.2 | 1523.8 | 1506.8 | 1477.7 | 1465.5 | 1455.9 |
| 55° | 866.2 | 1072.4 | 1288.4 | 1361.2 | 1417.1 | 1438.9 | 1402.5 | 1385.5 | 1341.8 | 1334.6 | 1329.7 |
| 57.5° | 851.7 | 892.9 | 1152.6 | 1244.8 | 1312.7 | 1310.3 | 1288.4 | 1256.9 | 1220.5 | 1213.3 | 1210.8 |
| 60° | 781.3 | 645.4 | 1007.0 | 1116.1 | 1186.5 | 1179.2 | 1159.8 | 1130.8 | 1096.7 | 1091.9 | 1087.1 |
| 62.5° | 708.5 | 468.3 | 841.9 | 965.8 | 1065.2 | 1062.8 | 1045.8 | 1002.1 | 977.9 | 965.8 | 956.0 |
| 65° | 601.8 | 393.1 | 599.3 | 803.1 | 946.3 | 951.1 | 914.8 | 883.2 | 856.6 | 841.9 | 839.6 |
| 67.5° | 458.6 | 320.3 | 405.2 | 669.7 | 832.3 | 827.4 | 781.3 | 766.7 | 732.8 | 725.5 | 711.0 |
| 70° | 339.7 | 213.6 | 281.4 | 543.5 | 720.6 | 708.5 | 672.2 | 655.1 | 623.6 | 606.6 | 596.9 |
| 72.5° | 281.4 | 172.3 | 206.2 | 422.2 | 606.6 | 592.1 | 560.5 | 541.1 | 514.4 | 499.9 | 490.1 |
| 75° | 228.1 | 182.0 | 157.7 | 313.0 | 492.5 | 482.9 | 453.7 | 434.3 | 412.5 | 393.1 | 395.5 |
| 77.5° | 167.4 | 169.9 | 126.2 | 230.5 | 390.6 | 376.1 | 359.1 | 334.9 | 325.1 | 305.7 | 305.7 |
| 80° | 126.2 | 133.5 | 94.6 | 157.7 | 281.4 | 281.4 | 266.9 | 249.9 | 233.0 | 223.2 | 223.2 |
| 82.5° | 84.9 | 84.9 | 70.4 | 99.5 | 191.7 | 184.4 | 174.7 | 169.9 | 160.1 | 155.3 | 155.3 |
| 85° | 38.8 | 48.6 | 43.7 | 60.7 | 104.3 | 109.2 | 109.2 | 104.3 | 101.9 | 97.0 | 99.5 |
| 87.5° | 12.1 | 21.8 | 26.7 | 33.9 | 53.3 | 55.8 | 58.2 | 58.2 | 58.2 | 60.7 | 60.7 |
| 90° | 5.9 | 10.7 | 15.5 | 16.7 | 26.3 | 39.0 | 45.3 | 40.2 | 30.2 | 22.7 | 22.7 |
| 92.5° | 23.9 | 64.4 | 105.0 | 115.1 | 161.9 | 224.1 | 255.3 | 223.7 | 160.6 | 113.3 | 108.8 |
| 95° | 57.3 | 131.4 | 205.7 | 224.3 | 398.3 | 630.2 | 746.2 | 665.9 | 505.2 | 384.7 | 371.0 |
| 97.5° | 99.0 | 164.5 | 230.0 | 246.4 | 536.4 | 923.2 | 1116.6 | 1065.8 | 964.3 | 888.1 | 862.1 |
| 100° | 131.3 | 190.6 | 250.0 | 264.8 | 586.7 | 1015.8 | 1230.5 | 1234.2 | 1241.7 | 1247.2 | 1216.2 |
| 102.5° | 158.7 | 214.1 | 269.5 | 283.4 | 609.8 | 1045.1 | 1262.7 | 1327.4 | 1456.8 | 1553.8 | 1527.3 |
| 105° | 205.2 | 252.1 | 299.0 | 310.8 | 626.9 | 1048.4 | 1259.1 | 1404.2 | 1694.1 | 1911.6 | 1897.4 |
| 107.5° | 252.9 | 296.6 | 340.4 | 351.3 | 630.1 | 1001.7 | 1187.5 | 1389.8 | 1794.3 | 2097.8 | 2101.2 |
| 110° | 285.1 | 324.6 | 364.1 | 374.0 | 625.3 | 960.4 | 1127.9 | 1354.0 | 1806.3 | 2145.5 | 2160.3 |



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CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 316.7 | 354.4 | 392.1 | 401.4 | 625.5 | 924.3 | 1073.6 | 1305.0 | 1767.9 | 2115.1 | 2137.8 |
| 115° | 364.4 | 399.1 | 433.8 | 442.5 | 631.2 | 882.8 | 1008.6 | 1231.5 | 1677.5 | 2011.9 | 2043.5 |
| 117.5° | 411.6 | 443.1 | 474.7 | 482.5 | 642.9 | 856.9 | 963.8 | 1165.1 | 1567.5 | 1869.3 | 1904.4 |
| 120° | 439.0 | 468.7 | 498.4 | 505.8 | 652.6 | 848.2 | 946.0 | 1129.8 | 1497.5 | 1773.3 | 1807.3 |
| 122.5° | 465.9 | 495.8 | 525.8 | 533.3 | 666.2 | 843.6 | 932.3 | 1097.9 | 1428.9 | 1677.2 | 1710.9 |
| 125° | 507.0 | 534.3 | 561.6 | 568.4 | 684.8 | 839.8 | 917.4 | 1058.0 | 1339.3 | 1550.2 | 1581.2 |
| 127.5° | 540.4 | 568.0 | 595.6 | 602.5 | 703.2 | 837.6 | 904.9 | 1025.6 | 1267.1 | 1448.2 | 1474.3 |
| 130° | 558.3 | 588.0 | 617.7 | 625.1 | 716.8 | 839.0 | 900.1 | 1007.5 | 1222.5 | 1383.8 | 1407.9 |
| 132.5° | 576.8 | 606.5 | 636.1 | 643.6 | 727.7 | 839.8 | 895.9 | 992.1 | 1184.6 | 1328.9 | 1350.5 |
| 135° | 604.2 | 631.2 | 658.3 | 665.1 | 739.7 | 839.0 | 888.7 | 969.3 | 1130.5 | 1251.4 | 1270.0 |
| 137.5° | 632.2 | 659.0 | 685.8 | 692.5 | 757.5 | 844.2 | 887.6 | 955.7 | 1091.9 | 1194.1 | 1209.3 |
| 140° | 655.5 | 680.2 | 704.9 | 711.0 | 768.4 | 845.0 | 883.3 | 942.2 | 1059.9 | 1148.2 | 1162.4 |
| 142.5° | 673.4 | 696.3 | 719.0 | 724.7 | 777.6 | 848.1 | 883.3 | 935.1 | 1038.4 | 1115.9 | 1128.2 |
| 145° | 700.8 | 720.7 | 740.6 | 745.6 | 789.6 | 848.2 | 877.4 | 919.7 | 1004.3 | 1067.7 | 1076.9 |
| 147.5° | 728.3 | 747.6 | 766.9 | 771.8 | 807.0 | 853.9 | 877.4 | 910.7 | 977.2 | 1027.1 | 1034.8 |
| 150° | 746.2 | 763.7 | 781.1 | 785.5 | 816.1 | 857.0 | 877.4 | 905.5 | 961.6 | 1003.8 | 1010.0 |
| 152.5° | 764.7 | 778.0 | 791.2 | 794.5 | 822.2 | 859.0 | 877.4 | 901.4 | 949.4 | 985.3 | 990.0 |
| 155° | 792.1 | 801.9 | 811.6 | 814.1 | 835.3 | 863.4 | 877.4 | 896.5 | 934.7 | 963.3 | 966.4 |
| 157.5° | 812.4 | 822.0 | 831.4 | 833.8 | 848.4 | 867.8 | 877.4 | 892.2 | 922.0 | 944.2 | 946.4 |
| 160° | 826.1 | 833.5 | 841.0 | 842.8 | 854.4 | 869.8 | 877.4 | 890.1 | 915.6 | 934.7 | 935.9 |
| 162.5° | 839.8 | 845.4 | 850.9 | 852.4 | 860.7 | 871.9 | 877.4 | 888.1 | 909.6 | 925.7 | 926.8 |
| 165° | 854.8 | 859.7 | 864.8 | 866.0 | 869.9 | 874.9 | 877.4 | 885.1 | 900.5 | 912.0 | 913.3 |
| 167.5° | 868.4 | 870.8 | 873.2 | 873.8 | 876.9 | 881.2 | 883.3 | 888.4 | 898.4 | 906.0 | 906.6 |
| 170° | 877.4 | 879.8 | 882.2 | 882.8 | 883.0 | 883.2 | 883.3 | 888.4 | 898.4 | 906.0 | 906.0 |
| 172.5° | 882.2 | 882.7 | 883.2 | 883.3 | 883.3 | 883.3 | 883.3 | 887.4 | 895.3 | 901.2 | 900.7 |
| 175° | 888.7 | 888.7 | 888.7 | 888.7 | 886.9 | 884.5 | 883.3 | 885.8 | 890.9 | 894.7 | 894.7 |
| 177.5° | 888.7 | 888.7 | 888.7 | 888.7 | 887.4 | 885.5 | 884.6 | 886.6 | 890.5 | 893.5 | 892.9 |
| 180° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 |
| 2.5° | 2630.2 | 2623.0 | 2630.2 | 2625.4 | 2627.9 | 2620.6 | 2598.7 | 2591.4 | 2598.7 | 2606.0 | 2606.0 |
| 5° | 2661.8 | 2656.9 | 2661.8 | 2661.8 | 2659.4 | 2654.5 | 2630.2 | 2625.4 | 2630.2 | 2632.7 | 2627.9 |
| 7.5° | 2671.5 | 2664.3 | 2671.5 | 2666.7 | 2666.7 | 2661.8 | 2637.5 | 2632.7 | 2635.1 | 2642.4 | 2635.1 |
| 10° | 2671.5 | 2664.3 | 2671.5 | 2669.1 | 2666.7 | 2661.8 | 2637.5 | 2627.9 | 2627.9 | 2635.1 | 2627.9 |
| 12.5° | 2659.4 | 2654.5 | 2659.4 | 2654.5 | 2654.5 | 2649.6 | 2625.4 | 2615.7 | 2618.1 | 2620.6 | 2610.8 |
| 15° | 2640.0 | 2632.7 | 2640.0 | 2635.1 | 2637.5 | 2630.2 | 2603.6 | 2593.8 | 2593.8 | 2598.7 | 2581.8 |
| 17.5° | 2610.8 | 2601.2 | 2610.8 | 2608.4 | 2606.0 | 2601.2 | 2576.9 | 2567.1 | 2564.8 | 2567.1 | 2555.0 |
| 20° | 2576.9 | 2569.6 | 2576.9 | 2574.4 | 2574.4 | 2564.8 | 2540.5 | 2528.3 | 2528.3 | 2528.3 | 2516.2 |
| 22.5° | 2523.5 | 2516.2 | 2523.5 | 2528.3 | 2528.3 | 2525.9 | 2504.1 | 2487.1 | 2482.3 | 2482.3 | 2467.7 |
| 25° | 2462.8 | 2455.6 | 2462.8 | 2462.8 | 2460.5 | 2462.8 | 2455.6 | 2445.8 | 2438.6 | 2431.3 | 2416.8 |
| 27.5° | 2404.6 | 2399.8 | 2404.6 | 2399.8 | 2404.6 | 2397.4 | 2394.9 | 2392.5 | 2382.7 | 2375.5 | 2356.1 |
| 30° | 2346.4 | 2341.5 | 2346.4 | 2341.5 | 2336.7 | 2331.8 | 2319.6 | 2314.9 | 2324.5 | 2319.6 | 2288.1 |
| 32.5° | 2273.6 | 2268.7 | 2273.6 | 2273.6 | 2268.7 | 2268.7 | 2249.3 | 2242.0 | 2244.5 | 2259.0 | 2229.9 |
| 35° | 2198.3 | 2191.1 | 2198.3 | 2195.9 | 2198.3 | 2191.1 | 2178.9 | 2176.5 | 2166.8 | 2183.8 | 2162.0 |
| 37.5° | 2111.0 | 2103.7 | 2111.0 | 2111.0 | 2111.0 | 2115.8 | 2106.2 | 2098.9 | 2084.3 | 2106.2 | 2089.1 |
| 40° | 2021.3 | 2011.5 | 2021.3 | 2018.8 | 2021.3 | 2026.1 | 2021.3 | 2016.4 | 2001.8 | 2018.8 | 2004.3 |
| 42.5° | 1919.4 | 1916.9 | 1919.4 | 1921.8 | 1921.8 | 1931.4 | 1938.8 | 1929.0 | 1924.1 | 1912.0 | 1921.8 |
| 45° | 1810.1 | 1805.3 | 1810.1 | 1815.0 | 1817.4 | 1822.2 | 1844.1 | 1844.1 | 1836.9 | 1817.4 | 1832.0 |
| 47.5° | 1693.6 | 1681.5 | 1693.6 | 1708.2 | 1708.2 | 1715.4 | 1737.3 | 1754.4 | 1742.2 | 1717.9 | 1725.2 |
| 50° | 1569.9 | 1572.3 | 1569.9 | 1579.6 | 1579.6 | 1606.3 | 1623.3 | 1640.3 | 1652.4 | 1623.3 | 1589.4 |
| 52.5° | 1448.6 | 1446.1 | 1448.6 | 1455.9 | 1465.5 | 1477.7 | 1506.8 | 1523.8 | 1543.2 | 1526.3 | 1472.8 |
| 55° | 1327.2 | 1332.1 | 1327.2 | 1329.7 | 1334.6 | 1341.8 | 1385.5 | 1402.5 | 1438.9 | 1417.1 | 1361.2 |
| 57.5° | 1205.9 | 1198.6 | 1205.9 | 1210.8 | 1213.3 | 1220.5 | 1256.9 | 1288.4 | 1310.3 | 1312.7 | 1244.8 |
| 60° | 1065.2 | 1055.5 | 1065.2 | 1087.1 | 1091.9 | 1096.7 | 1130.8 | 1159.8 | 1179.2 | 1186.5 | 1116.1 |
| 62.5° | 941.5 | 924.5 | 941.5 | 956.0 | 965.8 | 977.9 | 1002.1 | 1045.8 | 1062.8 | 1065.2 | 965.8 |
| 65° | 810.4 | 803.1 | 810.4 | 839.6 | 841.9 | 856.6 | 883.2 | 914.8 | 951.1 | 946.3 | 803.1 |
| 67.5° | 691.6 | 691.6 | 691.6 | 711.0 | 725.5 | 732.8 | 766.7 | 781.3 | 827.4 | 832.3 | 669.7 |
| 70° | 582.3 | 579.9 | 582.3 | 596.9 | 606.6 | 623.6 | 655.1 | 672.2 | 708.5 | 720.6 | 543.5 |
| 72.5° | 478.0 | 475.6 | 478.0 | 490.1 | 499.9 | 514.4 | 541.1 | 560.5 | 592.1 | 606.6 | 422.2 |
| 75° | 385.8 | 381.0 | 385.8 | 395.5 | 393.1 | 412.5 | 434.3 | 453.7 | 482.9 | 492.5 | 313.0 |
| 77.5° | 296.1 | 296.1 | 296.1 | 305.7 | 305.7 | 325.1 | 334.9 | 359.1 | 376.1 | 390.6 | 230.5 |
| 80° | 220.8 | 218.4 | 220.8 | 223.2 | 223.2 | 233.0 | 249.9 | 266.9 | 281.4 | 281.4 | 157.7 |
| 82.5° | 155.3 | 150.5 | 155.3 | 155.3 | 155.3 | 160.1 | 169.9 | 174.7 | 184.4 | 191.7 | 99.5 |
| 85° | 97.0 | 97.0 | 97.0 | 99.5 | 97.0 | 101.9 | 104.3 | 109.2 | 109.2 | 104.3 | 60.7 |
| 87.5° | 63.1 | 60.7 | 63.1 | 60.7 | 60.7 | 58.2 | 58.2 | 58.2 | 55.8 | 53.3 | 33.9 |
| 90° | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 30.2 | 40.2 | 45.3 | 39.0 | 26.3 | 16.7 |
| 92.5° | 90.7 | 72.8 | 90.7 | 108.8 | 113.3 | 160.6 | 223.7 | 255.3 | 224.1 | 161.9 | 115.1 |
| 95° | 316.4 | 261.8 | 316.4 | 371.0 | 384.7 | 505.2 | 665.9 | 746.2 | 630.2 | 398.3 | 224.3 |
| 97.5° | 758.2 | 654.3 | 758.2 | 862.1 | 888.1 | 964.3 | 1065.8 | 1116.6 | 923.2 | 536.4 | 246.4 |
| 100° | 1092.4 | 968.6 | 1092.4 | 1216.2 | 1247.2 | 1241.7 | 1234.2 | 1230.5 | 1015.8 | 586.7 | 264.8 |
| 102.5° | 1421.2 | 1315.2 | 1421.2 | 1527.3 | 1553.8 | 1456.8 | 1327.4 | 1262.7 | 1045.1 | 609.8 | 283.4 |
| 105° | 1840.4 | 1783.4 | 1840.4 | 1897.4 | 1911.6 | 1694.1 | 1404.2 | 1259.1 | 1048.4 | 626.9 | 310.8 |
| 107.5° | 2115.1 | 2128.8 | 2115.1 | 2101.2 | 2097.8 | 1794.3 | 1389.8 | 1187.5 | 1001.7 | 630.1 | 351.3 |
| 110° | 2219.7 | 2279.1 | 2219.7 | 2160.3 | 2145.5 | 1806.3 | 1354.0 | 1127.9 | 960.4 | 625.3 | 374.0 |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2229.0 | 2320.2 | 2229.0 | 2137.8 | 2115.1 | 1767.9 | 1305.0 | 1073.6 | 924.3 | 625.5 | 401.4 |
| 115° | 2169.9 | 2296.4 | 2169.9 | 2043.5 | 2011.9 | 1677.5 | 1231.5 | 1008.6 | 882.8 | 631.2 | 442.5 |
| 117.5° | 2044.6 | 2184.8 | 2044.6 | 1904.4 | 1869.3 | 1567.5 | 1165.1 | 963.8 | 856.9 | 642.9 | 482.5 |
| 120° | 1943.6 | 2079.9 | 1943.6 | 1807.3 | 1773.3 | 1497.5 | 1129.8 | 946.0 | 848.2 | 652.6 | 505.8 |
| 122.5° | 1845.3 | 1979.7 | 1845.3 | 1710.9 | 1677.2 | 1428.9 | 1097.9 | 932.3 | 843.6 | 666.2 | 533.3 |
| 125° | 1704.9 | 1828.7 | 1704.9 | 1581.2 | 1550.2 | 1339.3 | 1058.0 | 917.4 | 839.8 | 684.8 | 568.4 |
| 127.5° | 1578.8 | 1683.2 | 1578.8 | 1474.3 | 1448.2 | 1267.1 | 1025.6 | 904.9 | 837.6 | 703.2 | 602.5 |
| 130° | 1504.5 | 1600.9 | 1504.5 | 1407.9 | 1383.8 | 1222.5 | 1007.5 | 900.1 | 839.0 | 716.8 | 625.1 |
| 132.5° | 1437.0 | 1523.4 | 1437.0 | 1350.5 | 1328.9 | 1184.6 | 992.1 | 895.9 | 839.8 | 727.7 | 643.6 |
| 135° | 1344.5 | 1419.0 | 1344.5 | 1270.0 | 1251.4 | 1130.5 | 969.3 | 888.7 | 839.0 | 739.7 | 665.1 |
| 137.5° | 1270.3 | 1331.3 | 1270.3 | 1209.3 | 1194.1 | 1091.9 | 955.7 | 887.6 | 844.2 | 757.5 | 692.5 |
| 140° | 1219.5 | 1276.5 | 1219.5 | 1162.4 | 1148.2 | 1059.9 | 942.2 | 883.3 | 845.0 | 768.4 | 711.0 |
| 142.5° | 1177.3 | 1226.4 | 1177.3 | 1128.2 | 1115.9 | 1038.4 | 935.1 | 883.3 | 848.1 | 777.6 | 724.7 |
| 145° | 1114.1 | 1151.2 | 1114.1 | 1076.9 | 1067.7 | 1004.3 | 919.7 | 877.4 | 848.2 | 789.6 | 745.6 |
| 147.5° | 1065.6 | 1096.3 | 1065.6 | 1034.8 | 1027.1 | 977.2 | 910.7 | 877.4 | 853.9 | 807.0 | 771.8 |
| 150° | 1035.0 | 1059.9 | 1035.0 | 1010.0 | 1003.8 | 961.6 | 905.5 | 877.4 | 857.0 | 816.1 | 785.5 |
| 152.5° | 1008.9 | 1027.7 | 1008.9 | 990.0 | 985.3 | 949.4 | 901.4 | 877.4 | 859.0 | 822.2 | 794.5 |
| 155° | 978.8 | 991.3 | 978.8 | 966.4 | 963.3 | 934.7 | 896.5 | 877.4 | 863.4 | 835.3 | 814.1 |
| 157.5° | 955.1 | 963.8 | 955.1 | 946.4 | 944.2 | 922.0 | 892.2 | 877.4 | 867.8 | 848.4 | 833.8 |
| 160° | 941.0 | 946.0 | 941.0 | 935.9 | 934.7 | 915.6 | 890.1 | 877.4 | 869.8 | 854.4 | 842.8 |
| 162.5° | 931.6 | 936.4 | 931.6 | 926.8 | 925.7 | 909.6 | 888.1 | 877.4 | 871.9 | 860.7 | 852.4 |
| 165° | 918.3 | 923.3 | 918.3 | 913.3 | 912.0 | 900.5 | 885.1 | 877.4 | 874.9 | 869.9 | 866.0 |
| 167.5° | 908.7 | 910.8 | 908.7 | 906.6 | 906.0 | 898.4 | 888.4 | 883.3 | 881.2 | 876.9 | 873.8 |
| 170° | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 898.4 | 888.4 | 883.3 | 883.2 | 883.0 | 882.8 |
| 172.5° | 898.9 | 897.1 | 898.9 | 900.7 | 901.2 | 895.3 | 887.4 | 883.3 | 883.3 | 883.3 | 883.3 |
| 175° | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 890.9 | 885.8 | 883.3 | 884.5 | 886.9 | 888.7 |
| 177.5° | 890.8 | 888.7 | 890.8 | 892.9 | 893.5 | 890.5 | 886.6 | 884.6 | 885.5 | 887.4 | 888.7 |
| 180° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 |



TEST NUMBER: P935311
 CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 |
| 2.5° | 2601.2 | 2586.6 | 2586.6 | 2562.4 | 2552.6 | 2545.4 | 2533.2 | 2496.8 | 2487.1 | 2477.4 | 2491.9 |
| 5° | 2623.0 | 2596.3 | 2576.9 | 2533.2 | 2496.8 | 2482.3 | 2436.2 | 2348.8 | 2290.6 | 2246.9 | 2222.6 |
| 7.5° | 2627.9 | 2593.8 | 2557.5 | 2489.5 | 2402.1 | 2363.3 | 2222.6 | 2062.5 | 2018.8 | 1980.0 | 1955.7 |
| 10° | 2623.0 | 2584.2 | 2533.2 | 2431.3 | 2225.1 | 2157.1 | 2016.4 | 1912.0 | 1885.3 | 1878.1 | 1885.3 |
| 12.5° | 2606.0 | 2569.6 | 2499.3 | 2329.4 | 2040.7 | 1994.5 | 1912.0 | 1851.4 | 1846.5 | 1858.7 | 1924.1 |
| 15° | 2576.9 | 2542.9 | 2460.5 | 2193.5 | 1938.8 | 1904.7 | 1846.5 | 1824.7 | 1851.4 | 1936.3 | 2132.8 |
| 17.5° | 2547.7 | 2508.9 | 2407.0 | 2060.1 | 1861.0 | 1836.9 | 1795.6 | 1839.2 | 1989.7 | 2103.7 | 2169.3 |
| 20° | 2508.9 | 2462.8 | 2346.4 | 1963.0 | 1805.3 | 1783.4 | 1764.0 | 1960.6 | 2074.6 | 2115.8 | 2152.2 |
| 22.5° | 2462.8 | 2414.3 | 2263.9 | 1895.1 | 1747.0 | 1730.1 | 1742.2 | 2028.5 | 2074.6 | 2103.7 | 2135.2 |
| 25° | 2402.1 | 2360.9 | 2166.8 | 1841.6 | 1700.9 | 1681.5 | 1727.6 | 2021.3 | 2047.9 | 2055.2 | 2118.3 |
| 27.5° | 2346.4 | 2293.0 | 2064.9 | 1793.2 | 1645.1 | 1637.8 | 1739.7 | 1989.7 | 2009.1 | 2016.4 | 2084.3 |
| 30° | 2278.4 | 2198.3 | 1950.8 | 1742.2 | 1586.9 | 1584.5 | 1742.2 | 1950.8 | 1946.0 | 1965.4 | 2033.3 |
| 32.5° | 2208.1 | 2057.6 | 1822.2 | 1679.1 | 1531.1 | 1528.6 | 1725.2 | 1892.6 | 1887.8 | 1914.5 | 1965.4 |
| 35° | 2142.6 | 1948.4 | 1647.6 | 1606.3 | 1460.7 | 1463.2 | 1684.0 | 1824.7 | 1827.1 | 1851.4 | 1882.9 |
| 37.5° | 2074.6 | 1853.8 | 1455.9 | 1526.3 | 1392.8 | 1392.8 | 1628.2 | 1761.6 | 1756.7 | 1764.0 | 1807.7 |
| 40° | 1994.5 | 1705.8 | 1286.0 | 1421.9 | 1329.7 | 1322.4 | 1560.2 | 1693.6 | 1676.6 | 1674.2 | 1734.9 |
| 42.5° | 1909.6 | 1543.2 | 1159.8 | 1283.6 | 1256.9 | 1247.2 | 1477.7 | 1611.1 | 1579.6 | 1586.9 | 1664.5 |
| 45° | 1817.4 | 1499.6 | 1062.8 | 1084.6 | 1181.7 | 1174.4 | 1387.9 | 1516.5 | 1494.7 | 1514.1 | 1594.1 |
| 47.5° | 1725.2 | 1412.2 | 1031.2 | 900.2 | 1101.6 | 1099.2 | 1288.4 | 1424.3 | 1412.2 | 1431.6 | 1516.5 |
| 50° | 1599.0 | 1315.2 | 1028.8 | 771.6 | 1011.8 | 1021.5 | 1169.6 | 1334.6 | 1334.6 | 1351.5 | 1441.3 |
| 52.5° | 1436.5 | 1196.2 | 934.2 | 698.8 | 907.5 | 936.6 | 1065.2 | 1256.9 | 1261.7 | 1278.7 | 1358.8 |
| 55° | 1288.4 | 1072.4 | 866.2 | 643.0 | 783.7 | 846.8 | 963.3 | 1176.8 | 1186.5 | 1203.5 | 1276.3 |
| 57.5° | 1152.6 | 892.9 | 851.7 | 577.5 | 669.7 | 730.4 | 873.5 | 1099.2 | 1104.0 | 1118.6 | 1189.0 |
| 60° | 1007.0 | 645.4 | 781.3 | 507.2 | 570.3 | 616.3 | 791.0 | 1007.0 | 1024.0 | 1033.6 | 1094.3 |
| 62.5° | 841.9 | 468.3 | 708.5 | 458.6 | 521.7 | 531.3 | 723.1 | 919.6 | 941.5 | 948.7 | 985.2 |
| 65° | 599.3 | 393.1 | 601.8 | 417.4 | 470.7 | 473.1 | 650.3 | 829.8 | 849.2 | 861.4 | 888.1 |
| 67.5° | 405.2 | 320.3 | 458.6 | 378.5 | 431.9 | 434.3 | 579.9 | 725.5 | 752.2 | 761.9 | 778.9 |
| 70° | 281.4 | 213.6 | 339.7 | 337.3 | 388.2 | 393.1 | 504.7 | 630.9 | 655.1 | 662.4 | 672.2 |
| 72.5° | 206.2 | 172.3 | 281.4 | 303.3 | 342.2 | 347.0 | 427.0 | 524.1 | 548.4 | 555.6 | 560.5 |
| 75° | 157.7 | 182.0 | 228.1 | 264.5 | 291.2 | 293.6 | 349.4 | 427.0 | 444.1 | 448.9 | 451.3 |
| 77.5° | 126.2 | 169.9 | 167.4 | 213.6 | 237.8 | 233.0 | 274.2 | 330.0 | 344.5 | 344.5 | 344.5 |
| 80° | 94.6 | 133.5 | 126.2 | 152.9 | 174.7 | 169.9 | 196.6 | 235.4 | 240.2 | 245.0 | 242.6 |
| 82.5° | 70.4 | 84.9 | 84.9 | 97.0 | 116.4 | 111.7 | 131.1 | 152.9 | 152.9 | 152.9 | 157.7 |
| 85° | 43.7 | 48.6 | 38.8 | 51.0 | 65.5 | 63.1 | 72.8 | 82.5 | 84.9 | 84.9 | 80.1 |
| 87.5° | 26.7 | 21.8 | 12.1 | 19.4 | 29.2 | 29.2 | 33.9 | 36.4 | 33.9 | 33.9 | 33.9 |
| 90° | 15.5 | 10.7 | 5.9 | 10.7 | 15.5 | 16.7 | 26.3 | 39.0 | 45.3 | 40.2 | 30.2 |
| 92.5° | 105.0 | 64.4 | 23.9 | 64.4 | 105.0 | 115.1 | 161.9 | 224.1 | 255.3 | 223.7 | 160.6 |
| 95° | 205.7 | 131.4 | 57.3 | 131.4 | 205.7 | 224.3 | 398.3 | 630.2 | 746.2 | 665.9 | 505.2 |
| 97.5° | 230.0 | 164.5 | 99.0 | 164.5 | 230.0 | 246.4 | 536.4 | 923.2 | 1116.6 | 1065.8 | 964.3 |
| 100° | 250.0 | 190.6 | 131.3 | 190.6 | 250.0 | 264.8 | 586.7 | 1015.8 | 1230.5 | 1234.2 | 1241.7 |
| 102.5° | 269.5 | 214.1 | 158.7 | 214.1 | 269.5 | 283.4 | 609.8 | 1045.1 | 1262.7 | 1327.4 | 1456.8 |
| 105° | 299.0 | 252.1 | 205.2 | 252.1 | 299.0 | 310.8 | 626.9 | 1048.4 | 1259.1 | 1404.2 | 1694.1 |
| 107.5° | 340.4 | 296.6 | 252.9 | 296.6 | 340.4 | 351.3 | 630.1 | 1001.7 | 1187.5 | 1389.8 | 1794.3 |
| 110° | 364.1 | 324.6 | 285.1 | 324.6 | 364.1 | 374.0 | 625.3 | 960.4 | 1127.9 | 1354.0 | 1806.3 |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 392.1 | 354.4 | 316.7 | 354.4 | 392.1 | 401.4 | 625.5 | 924.3 | 1073.6 | 1305.0 | 1767.9 |
| 115° | 433.8 | 399.1 | 364.4 | 399.1 | 433.8 | 442.5 | 631.2 | 882.8 | 1008.6 | 1231.5 | 1677.5 |
| 117.5° | 474.7 | 443.1 | 411.6 | 443.1 | 474.7 | 482.5 | 642.9 | 856.9 | 963.8 | 1165.1 | 1567.5 |
| 120° | 498.4 | 468.7 | 439.0 | 468.7 | 498.4 | 505.8 | 652.6 | 848.2 | 946.0 | 1129.8 | 1497.5 |
| 122.5° | 525.8 | 495.8 | 465.9 | 495.8 | 525.8 | 533.3 | 666.2 | 843.6 | 932.3 | 1097.9 | 1428.9 |
| 125° | 561.6 | 534.3 | 507.0 | 534.3 | 561.6 | 568.4 | 684.8 | 839.8 | 917.4 | 1058.0 | 1339.3 |
| 127.5° | 595.6 | 568.0 | 540.4 | 568.0 | 595.6 | 602.5 | 703.2 | 837.6 | 904.9 | 1025.6 | 1267.1 |
| 130° | 617.7 | 588.0 | 558.3 | 588.0 | 617.7 | 625.1 | 716.8 | 839.0 | 900.1 | 1007.5 | 1222.5 |
| 132.5° | 636.1 | 606.5 | 576.8 | 606.5 | 636.1 | 643.6 | 727.7 | 839.8 | 895.9 | 992.1 | 1184.6 |
| 135° | 658.3 | 631.2 | 604.2 | 631.2 | 658.3 | 665.1 | 739.7 | 839.0 | 888.7 | 969.3 | 1130.5 |
| 137.5° | 685.8 | 659.0 | 632.2 | 659.0 | 685.8 | 692.5 | 757.5 | 844.2 | 887.6 | 955.7 | 1091.9 |
| 140° | 704.9 | 680.2 | 655.5 | 680.2 | 704.9 | 711.0 | 768.4 | 845.0 | 883.3 | 942.2 | 1059.9 |
| 142.5° | 719.0 | 696.3 | 673.4 | 696.3 | 719.0 | 724.7 | 777.6 | 848.1 | 883.3 | 935.1 | 1038.4 |
| 145° | 740.6 | 720.7 | 700.8 | 720.7 | 740.6 | 745.6 | 789.6 | 848.2 | 877.4 | 919.7 | 1004.3 |
| 147.5° | 766.9 | 747.6 | 728.3 | 747.6 | 766.9 | 771.8 | 807.0 | 853.9 | 877.4 | 910.7 | 977.2 |
| 150° | 781.1 | 763.7 | 746.2 | 763.7 | 781.1 | 785.5 | 816.1 | 857.0 | 877.4 | 905.5 | 961.6 |
| 152.5° | 791.2 | 778.0 | 764.7 | 778.0 | 791.2 | 794.5 | 822.2 | 859.0 | 877.4 | 901.4 | 949.4 |
| 155° | 811.6 | 801.9 | 792.1 | 801.9 | 811.6 | 814.1 | 835.3 | 863.4 | 877.4 | 896.5 | 934.7 |
| 157.5° | 831.4 | 822.0 | 812.4 | 822.0 | 831.4 | 833.8 | 848.4 | 867.8 | 877.4 | 892.2 | 922.0 |
| 160° | 841.0 | 833.5 | 826.1 | 833.5 | 841.0 | 842.8 | 854.4 | 869.8 | 877.4 | 890.1 | 915.6 |
| 162.5° | 850.9 | 845.4 | 839.8 | 845.4 | 850.9 | 852.4 | 860.7 | 871.9 | 877.4 | 888.1 | 909.6 |
| 165° | 864.8 | 859.7 | 854.8 | 859.7 | 864.8 | 866.0 | 869.9 | 874.9 | 877.4 | 885.1 | 900.5 |
| 167.5° | 873.2 | 870.8 | 868.4 | 870.8 | 873.2 | 873.8 | 876.9 | 881.2 | 883.3 | 888.4 | 898.4 |
| 170° | 882.2 | 879.8 | 877.4 | 879.8 | 882.2 | 882.8 | 883.0 | 883.2 | 883.3 | 888.4 | 898.4 |
| 172.5° | 883.2 | 882.7 | 882.2 | 882.7 | 883.2 | 883.3 | 883.3 | 883.3 | 883.3 | 887.4 | 895.3 |
| 175° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 886.9 | 884.5 | 883.3 | 885.8 | 890.9 |
| 177.5° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 887.4 | 885.5 | 884.6 | 886.6 | 890.5 |
| 180° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 |



TEST NUMBER: P935311
 CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 |
| 2.5° | 2475.0 | 2467.7 | 2477.4 | 2450.7 | 2477.4 | 2467.7 | 2475.0 | 2491.9 | 2477.4 | 2487.1 | 2496.8 |
| 5° | 2171.6 | 2159.5 | 2120.7 | 2089.1 | 2120.7 | 2159.5 | 2171.6 | 2222.6 | 2246.9 | 2290.6 | 2348.8 |
| 7.5° | 1941.2 | 1931.4 | 1921.8 | 1902.3 | 1921.8 | 1931.4 | 1941.2 | 1955.7 | 1980.0 | 2018.8 | 2062.5 |
| 10° | 1890.2 | 1892.6 | 1907.2 | 1904.7 | 1907.2 | 1892.6 | 1890.2 | 1885.3 | 1878.1 | 1885.3 | 1912.0 |
| 12.5° | 2021.3 | 2043.1 | 2123.2 | 2118.3 | 2123.2 | 2043.1 | 2021.3 | 1924.1 | 1858.7 | 1846.5 | 1851.4 |
| 15° | 2171.6 | 2178.9 | 2195.9 | 2198.3 | 2195.9 | 2178.9 | 2171.6 | 2132.8 | 1936.3 | 1851.4 | 1824.7 |
| 17.5° | 2186.2 | 2188.7 | 2200.8 | 2200.8 | 2200.8 | 2188.7 | 2186.2 | 2169.3 | 2103.7 | 1989.7 | 1839.2 |
| 20° | 2174.1 | 2178.9 | 2203.2 | 2208.1 | 2203.2 | 2178.9 | 2174.1 | 2152.2 | 2115.8 | 2074.6 | 1960.6 |
| 22.5° | 2169.3 | 2178.9 | 2198.3 | 2195.9 | 2198.3 | 2178.9 | 2169.3 | 2135.2 | 2103.7 | 2074.6 | 2028.5 |
| 25° | 2145.0 | 2145.0 | 2147.4 | 2149.9 | 2147.4 | 2145.0 | 2145.0 | 2118.3 | 2055.2 | 2047.9 | 2021.3 |
| 27.5° | 2094.0 | 2098.9 | 2113.4 | 2111.0 | 2113.4 | 2098.9 | 2094.0 | 2084.3 | 2016.4 | 2009.1 | 1989.7 |
| 30° | 2047.9 | 2043.1 | 2030.9 | 2021.3 | 2030.9 | 2043.1 | 2047.9 | 2033.3 | 1965.4 | 1946.0 | 1950.8 |
| 32.5° | 1970.3 | 1958.2 | 1946.0 | 1938.8 | 1946.0 | 1958.2 | 1970.3 | 1965.4 | 1914.5 | 1887.8 | 1892.6 |
| 35° | 1878.1 | 1880.5 | 1878.1 | 1870.8 | 1878.1 | 1880.5 | 1878.1 | 1882.9 | 1851.4 | 1827.1 | 1824.7 |
| 37.5° | 1812.6 | 1817.4 | 1815.0 | 1805.3 | 1815.0 | 1817.4 | 1812.6 | 1807.7 | 1764.0 | 1756.7 | 1761.6 |
| 40° | 1744.6 | 1747.0 | 1744.6 | 1737.3 | 1744.6 | 1747.0 | 1744.6 | 1734.9 | 1674.2 | 1676.6 | 1693.6 |
| 42.5° | 1679.1 | 1676.6 | 1669.4 | 1664.5 | 1669.4 | 1676.6 | 1679.1 | 1664.5 | 1586.9 | 1579.6 | 1611.1 |
| 45° | 1603.9 | 1606.3 | 1591.7 | 1584.5 | 1591.7 | 1606.3 | 1603.9 | 1594.1 | 1514.1 | 1494.7 | 1516.5 |
| 47.5° | 1528.6 | 1528.6 | 1516.5 | 1509.2 | 1516.5 | 1528.6 | 1528.6 | 1516.5 | 1431.6 | 1412.2 | 1424.3 |
| 50° | 1448.6 | 1446.1 | 1429.2 | 1426.7 | 1429.2 | 1446.1 | 1448.6 | 1441.3 | 1351.5 | 1334.6 | 1334.6 |
| 52.5° | 1356.4 | 1356.4 | 1358.8 | 1363.6 | 1358.8 | 1356.4 | 1356.4 | 1358.8 | 1278.7 | 1261.7 | 1256.9 |
| 55° | 1276.3 | 1278.7 | 1295.8 | 1300.5 | 1295.8 | 1278.7 | 1276.3 | 1276.3 | 1203.5 | 1186.5 | 1176.8 |
| 57.5° | 1193.9 | 1193.9 | 1205.9 | 1205.9 | 1205.9 | 1193.9 | 1193.9 | 1189.0 | 1118.6 | 1104.0 | 1099.2 |
| 60° | 1099.2 | 1104.0 | 1113.7 | 1111.4 | 1113.7 | 1104.0 | 1099.2 | 1094.3 | 1033.6 | 1024.0 | 1007.0 |
| 62.5° | 999.7 | 1004.6 | 1007.0 | 1002.1 | 1007.0 | 1004.6 | 999.7 | 985.2 | 948.7 | 941.5 | 919.6 |
| 65° | 895.4 | 900.2 | 902.7 | 897.8 | 902.7 | 900.2 | 895.4 | 888.1 | 861.4 | 849.2 | 829.8 |
| 67.5° | 788.6 | 786.1 | 783.7 | 793.5 | 783.7 | 786.1 | 788.6 | 778.9 | 761.9 | 752.2 | 725.5 |
| 70° | 679.4 | 679.4 | 676.9 | 681.8 | 676.9 | 679.4 | 679.4 | 672.2 | 662.4 | 655.1 | 630.9 |
| 72.5° | 562.9 | 560.5 | 570.3 | 562.9 | 570.3 | 560.5 | 562.9 | 560.5 | 555.6 | 548.4 | 524.1 |
| 75° | 448.9 | 453.7 | 448.9 | 456.2 | 448.9 | 453.7 | 448.9 | 451.3 | 448.9 | 444.1 | 427.0 |
| 77.5° | 342.2 | 347.0 | 342.2 | 342.2 | 342.2 | 347.0 | 342.2 | 344.5 | 344.5 | 344.5 | 330.0 |
| 80° | 242.6 | 240.2 | 240.2 | 237.8 | 240.2 | 240.2 | 242.6 | 242.6 | 245.0 | 240.2 | 235.4 |
| 82.5° | 155.3 | 152.9 | 152.9 | 157.7 | 152.9 | 152.9 | 155.3 | 157.7 | 152.9 | 152.9 | 152.9 |
| 85° | 84.9 | 87.4 | 82.5 | 82.5 | 82.5 | 87.4 | 84.9 | 80.1 | 84.9 | 84.9 | 82.5 |
| 87.5° | 31.5 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 31.5 | 33.9 | 33.9 | 33.9 | 36.4 |
| 90° | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 30.2 | 40.2 | 45.3 | 39.0 |
| 92.5° | 113.3 | 108.8 | 90.7 | 72.8 | 90.7 | 108.8 | 113.3 | 160.6 | 223.7 | 255.3 | 224.1 |
| 95° | 384.7 | 371.0 | 316.4 | 261.8 | 316.4 | 371.0 | 384.7 | 505.2 | 665.9 | 746.2 | 630.2 |
| 97.5° | 888.1 | 862.1 | 758.2 | 654.3 | 758.2 | 862.1 | 888.1 | 964.3 | 1065.8 | 1116.6 | 923.2 |
| 100° | 1247.2 | 1216.2 | 1092.4 | 968.6 | 1092.4 | 1216.2 | 1247.2 | 1241.7 | 1234.2 | 1230.5 | 1015.8 |
| 102.5° | 1553.8 | 1527.3 | 1421.2 | 1315.2 | 1421.2 | 1527.3 | 1553.8 | 1456.8 | 1327.4 | 1262.7 | 1045.1 |
| 105° | 1911.6 | 1897.4 | 1840.4 | 1783.4 | 1840.4 | 1897.4 | 1911.6 | 1694.1 | 1404.2 | 1259.1 | 1048.4 |
| 107.5° | 2097.8 | 2101.2 | 2115.1 | 2128.8 | 2115.1 | 2101.2 | 2097.8 | 1794.3 | 1389.8 | 1187.5 | 1001.7 |
| 110° | 2145.5 | 2160.3 | 2219.7 | 2279.1 | 2219.7 | 2160.3 | 2145.5 | 1806.3 | 1354.0 | 1127.9 | 960.4 |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2115.1 | 2137.8 | 2229.0 | 2320.2 | 2229.0 | 2137.8 | 2115.1 | 1767.9 | 1305.0 | 1073.6 | 924.3 |
| 115° | 2011.9 | 2043.5 | 2169.9 | 2296.4 | 2169.9 | 2043.5 | 2011.9 | 1677.5 | 1231.5 | 1008.6 | 882.8 |
| 117.5° | 1869.3 | 1904.4 | 2044.6 | 2184.8 | 2044.6 | 1904.4 | 1869.3 | 1567.5 | 1165.1 | 963.8 | 856.9 |
| 120° | 1773.3 | 1807.3 | 1943.6 | 2079.9 | 1943.6 | 1807.3 | 1773.3 | 1497.5 | 1129.8 | 946.0 | 848.2 |
| 122.5° | 1677.2 | 1710.9 | 1845.3 | 1979.7 | 1845.3 | 1710.9 | 1677.2 | 1428.9 | 1097.9 | 932.3 | 843.6 |
| 125° | 1550.2 | 1581.2 | 1704.9 | 1828.7 | 1704.9 | 1581.2 | 1550.2 | 1339.3 | 1058.0 | 917.4 | 839.8 |
| 127.5° | 1448.2 | 1474.3 | 1578.8 | 1683.2 | 1578.8 | 1474.3 | 1448.2 | 1267.1 | 1025.6 | 904.9 | 837.6 |
| 130° | 1383.8 | 1407.9 | 1504.5 | 1600.9 | 1504.5 | 1407.9 | 1383.8 | 1222.5 | 1007.5 | 900.1 | 839.0 |
| 132.5° | 1328.9 | 1350.5 | 1437.0 | 1523.4 | 1437.0 | 1350.5 | 1328.9 | 1184.6 | 992.1 | 895.9 | 839.8 |
| 135° | 1251.4 | 1270.0 | 1344.5 | 1419.0 | 1344.5 | 1270.0 | 1251.4 | 1130.5 | 969.3 | 888.7 | 839.0 |
| 137.5° | 1194.1 | 1209.3 | 1270.3 | 1331.3 | 1270.3 | 1209.3 | 1194.1 | 1091.9 | 955.7 | 887.6 | 844.2 |
| 140° | 1148.2 | 1162.4 | 1219.5 | 1276.5 | 1219.5 | 1162.4 | 1148.2 | 1059.9 | 942.2 | 883.3 | 845.0 |
| 142.5° | 1115.9 | 1128.2 | 1177.3 | 1226.4 | 1177.3 | 1128.2 | 1115.9 | 1038.4 | 935.1 | 883.3 | 848.1 |
| 145° | 1067.7 | 1076.9 | 1114.1 | 1151.2 | 1114.1 | 1076.9 | 1067.7 | 1004.3 | 919.7 | 877.4 | 848.2 |
| 147.5° | 1027.1 | 1034.8 | 1065.6 | 1096.3 | 1065.6 | 1034.8 | 1027.1 | 977.2 | 910.7 | 877.4 | 853.9 |
| 150° | 1003.8 | 1010.0 | 1035.0 | 1059.9 | 1035.0 | 1010.0 | 1003.8 | 961.6 | 905.5 | 877.4 | 857.0 |
| 152.5° | 985.3 | 990.0 | 1008.9 | 1027.7 | 1008.9 | 990.0 | 985.3 | 949.4 | 901.4 | 877.4 | 859.0 |
| 155° | 963.3 | 966.4 | 978.8 | 991.3 | 978.8 | 966.4 | 963.3 | 934.7 | 896.5 | 877.4 | 863.4 |
| 157.5° | 944.2 | 946.4 | 955.1 | 963.8 | 955.1 | 946.4 | 944.2 | 922.0 | 892.2 | 877.4 | 867.8 |
| 160° | 934.7 | 935.9 | 941.0 | 946.0 | 941.0 | 935.9 | 934.7 | 915.6 | 890.1 | 877.4 | 869.8 |
| 162.5° | 925.7 | 926.8 | 931.6 | 936.4 | 931.6 | 926.8 | 925.7 | 909.6 | 888.1 | 877.4 | 871.9 |
| 165° | 912.0 | 913.3 | 918.3 | 923.3 | 918.3 | 913.3 | 912.0 | 900.5 | 885.1 | 877.4 | 874.9 |
| 167.5° | 906.0 | 906.6 | 908.7 | 910.8 | 908.7 | 906.6 | 906.0 | 898.4 | 888.4 | 883.3 | 881.2 |
| 170° | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 906.0 | 898.4 | 888.4 | 883.3 | 883.2 |
| 172.5° | 901.2 | 900.7 | 898.9 | 897.1 | 898.9 | 900.7 | 901.2 | 895.3 | 887.4 | 883.3 | 883.3 |
| 175° | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 894.7 | 890.9 | 885.8 | 883.3 | 884.5 |
| 177.5° | 893.5 | 892.9 | 890.8 | 888.7 | 890.8 | 892.9 | 893.5 | 890.5 | 886.6 | 884.6 | 885.5 |
| 180° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 |



TEST NUMBER: P935311
 CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2564.8 | 2564.8 | 2564.8 | 2564.8 | 2564.8 |
| 2.5° | 2533.2 | 2545.4 | 2552.6 | 2562.4 | 2586.6 |
| 5° | 2436.2 | 2482.3 | 2496.8 | 2533.2 | 2576.9 |
| 7.5° | 2222.6 | 2363.3 | 2402.1 | 2489.5 | 2557.5 |
| 10° | 2016.4 | 2157.1 | 2225.1 | 2431.3 | 2533.2 |
| 12.5° | 1912.0 | 1994.5 | 2040.7 | 2329.4 | 2499.3 |
| 15° | 1846.5 | 1904.7 | 1938.8 | 2193.5 | 2460.5 |
| 17.5° | 1795.6 | 1836.9 | 1861.0 | 2060.1 | 2407.0 |
| 20° | 1764.0 | 1783.4 | 1805.3 | 1963.0 | 2346.4 |
| 22.5° | 1742.2 | 1730.1 | 1747.0 | 1895.1 | 2263.9 |
| 25° | 1727.6 | 1681.5 | 1700.9 | 1841.6 | 2166.8 |
| 27.5° | 1739.7 | 1637.8 | 1645.1 | 1793.2 | 2064.9 |
| 30° | 1742.2 | 1584.5 | 1586.9 | 1742.2 | 1950.8 |
| 32.5° | 1725.2 | 1528.6 | 1531.1 | 1679.1 | 1822.2 |
| 35° | 1684.0 | 1463.2 | 1460.7 | 1606.3 | 1647.6 |
| 37.5° | 1628.2 | 1392.8 | 1392.8 | 1526.3 | 1455.9 |
| 40° | 1560.2 | 1322.4 | 1329.7 | 1421.9 | 1286.0 |
| 42.5° | 1477.7 | 1247.2 | 1256.9 | 1283.6 | 1159.8 |
| 45° | 1387.9 | 1174.4 | 1181.7 | 1084.6 | 1062.8 |
| 47.5° | 1288.4 | 1099.2 | 1101.6 | 900.2 | 1031.2 |
| 50° | 1169.6 | 1021.5 | 1011.8 | 771.6 | 1028.8 |
| 52.5° | 1065.2 | 936.6 | 907.5 | 698.8 | 934.2 |
| 55° | 963.3 | 846.8 | 783.7 | 643.0 | 866.2 |
| 57.5° | 873.5 | 730.4 | 669.7 | 577.5 | 851.7 |
| 60° | 791.0 | 616.3 | 570.3 | 507.2 | 781.3 |
| 62.5° | 723.1 | 531.3 | 521.7 | 458.6 | 708.5 |
| 65° | 650.3 | 473.1 | 470.7 | 417.4 | 601.8 |
| 67.5° | 579.9 | 434.3 | 431.9 | 378.5 | 458.6 |
| 70° | 504.7 | 393.1 | 388.2 | 337.3 | 339.7 |
| 72.5° | 427.0 | 347.0 | 342.2 | 303.3 | 281.4 |
| 75° | 349.4 | 293.6 | 291.2 | 264.5 | 228.1 |
| 77.5° | 274.2 | 233.0 | 237.8 | 213.6 | 167.4 |
| 80° | 196.6 | 169.9 | 174.7 | 152.9 | 126.2 |
| 82.5° | 131.1 | 111.7 | 116.4 | 97.0 | 84.9 |
| 85° | 72.8 | 63.1 | 65.5 | 51.0 | 38.8 |
| 87.5° | 33.9 | 29.2 | 29.2 | 19.4 | 12.1 |
| 90° | 26.3 | 16.7 | 15.5 | 10.7 | 5.9 |
| 92.5° | 161.9 | 115.1 | 105.0 | 64.4 | 23.9 |
| 95° | 398.3 | 224.3 | 205.7 | 131.4 | 57.3 |
| 97.5° | 536.4 | 246.4 | 230.0 | 164.5 | 99.0 |
| 100° | 586.7 | 264.8 | 250.0 | 190.6 | 131.3 |
| 102.5° | 609.8 | 283.4 | 269.5 | 214.1 | 158.7 |
| 105° | 626.9 | 310.8 | 299.0 | 252.1 | 205.2 |
| 107.5° | 630.1 | 351.3 | 340.4 | 296.6 | 252.9 |
| 110° | 625.3 | 374.0 | 364.1 | 324.6 | 285.1 |



TEST NUMBER: P935311

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 625.5 | 401.4 | 392.1 | 354.4 | 316.7 |
| 115° | 631.2 | 442.5 | 433.8 | 399.1 | 364.4 |
| 117.5° | 642.9 | 482.5 | 474.7 | 443.1 | 411.6 |
| 120° | 652.6 | 505.8 | 498.4 | 468.7 | 439.0 |
| 122.5° | 666.2 | 533.3 | 525.8 | 495.8 | 465.9 |
| 125° | 684.8 | 568.4 | 561.6 | 534.3 | 507.0 |
| 127.5° | 703.2 | 602.5 | 595.6 | 568.0 | 540.4 |
| 130° | 716.8 | 625.1 | 617.7 | 588.0 | 558.3 |
| 132.5° | 727.7 | 643.6 | 636.1 | 606.5 | 576.8 |
| 135° | 739.7 | 665.1 | 658.3 | 631.2 | 604.2 |
| 137.5° | 757.5 | 692.5 | 685.8 | 659.0 | 632.2 |
| 140° | 768.4 | 711.0 | 704.9 | 680.2 | 655.5 |
| 142.5° | 777.6 | 724.7 | 719.0 | 696.3 | 673.4 |
| 145° | 789.6 | 745.6 | 740.6 | 720.7 | 700.8 |
| 147.5° | 807.0 | 771.8 | 766.9 | 747.6 | 728.3 |
| 150° | 816.1 | 785.5 | 781.1 | 763.7 | 746.2 |
| 152.5° | 822.2 | 794.5 | 791.2 | 778.0 | 764.7 |
| 155° | 835.3 | 814.1 | 811.6 | 801.9 | 792.1 |
| 157.5° | 848.4 | 833.8 | 831.4 | 822.0 | 812.4 |
| 160° | 854.4 | 842.8 | 841.0 | 833.5 | 826.1 |
| 162.5° | 860.7 | 852.4 | 850.9 | 845.4 | 839.8 |
| 165° | 869.9 | 866.0 | 864.8 | 859.7 | 854.8 |
| 167.5° | 876.9 | 873.8 | 873.2 | 870.8 | 868.4 |
| 170° | 883.0 | 882.8 | 882.2 | 879.8 | 877.4 |
| 172.5° | 883.3 | 883.3 | 883.2 | 882.7 | 882.2 |
| 175° | 886.9 | 888.7 | 888.7 | 888.7 | 888.7 |
| 177.5° | 887.4 | 888.7 | 888.7 | 888.7 | 888.7 |
| 180° | 888.7 | 888.7 | 888.7 | 888.7 | 888.7 |



TEST NUMBER: P935311
 CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-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 | 14.73 | 15.63 | 15.66 | 16.57 | 17.79 | 17.56 | 18.45 | 18.48 | 19.39 | 20.61 |
| | 3H | 15.21 | 16.01 | 16.15 | 16.97 | 18.21 | 18.90 | 19.70 | 19.84 | 20.66 | 21.90 |
| | 4H | 15.41 | 16.16 | 16.36 | 17.12 | 18.37 | 19.35 | 20.11 | 20.30 | 21.06 | 22.32 |
| | 6H | 15.53 | 16.22 | 16.49 | 17.19 | 18.45 | 19.63 | 20.33 | 20.60 | 21.29 | 22.56 |
| | 8H | 15.53 | 16.19 | 16.50 | 17.17 | 18.44 | 19.71 | 20.37 | 20.68 | 21.35 | 22.62 |
| | 12H | 15.50 | 16.13 | 16.48 | 17.11 | 18.39 | 19.75 | 20.38 | 20.72 | 21.35 | 22.64 |
| 4H | 2H | 15.77 | 16.53 | 16.73 | 17.48 | 18.74 | 17.97 | 18.73 | 18.93 | 19.69 | 20.94 |
| | 3H | 16.80 | 17.43 | 17.77 | 18.42 | 19.68 | 19.48 | 20.11 | 20.45 | 21.10 | 22.36 |
| | 4H | 17.08 | 17.65 | 18.05 | 18.63 | 19.92 | 20.01 | 20.58 | 20.98 | 21.56 | 22.85 |
| | 6H | 17.20 | 17.70 | 18.19 | 18.70 | 19.99 | 20.37 | 20.87 | 21.36 | 21.87 | 23.16 |
| | 8H | 17.21 | 17.67 | 18.20 | 18.67 | 19.97 | 20.48 | 20.94 | 21.47 | 21.94 | 23.24 |
| | 12H | 17.18 | 17.60 | 18.19 | 18.61 | 19.92 | 20.54 | 20.95 | 21.55 | 21.97 | 23.28 |
| 8H | 4H | 17.53 | 18.00 | 18.52 | 18.99 | 20.30 | 20.13 | 20.60 | 21.12 | 21.60 | 22.90 |
| | 6H | 17.79 | 18.18 | 18.81 | 19.22 | 20.52 | 20.57 | 20.95 | 21.59 | 21.99 | 23.29 |
| | 8H | 17.84 | 18.18 | 18.86 | 19.20 | 20.52 | 20.72 | 21.06 | 21.75 | 22.09 | 23.41 |
| | 12H | 17.82 | 18.12 | 18.85 | 19.14 | 20.51 | 20.82 | 21.12 | 21.85 | 22.14 | 23.50 |
| 12H | 4H | 17.54 | 17.96 | 18.55 | 18.97 | 20.28 | 20.10 | 20.52 | 21.11 | 21.53 | 22.84 |
| | 6H | 17.85 | 18.19 | 18.88 | 19.22 | 20.54 | 20.57 | 20.91 | 21.59 | 21.93 | 23.25 |
| | 8H | 17.92 | 18.22 | 18.95 | 19.24 | 20.61 | 20.73 | 21.03 | 21.76 | 22.05 | 23.41 |