

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: P935213

Luminaire Tested: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935213
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

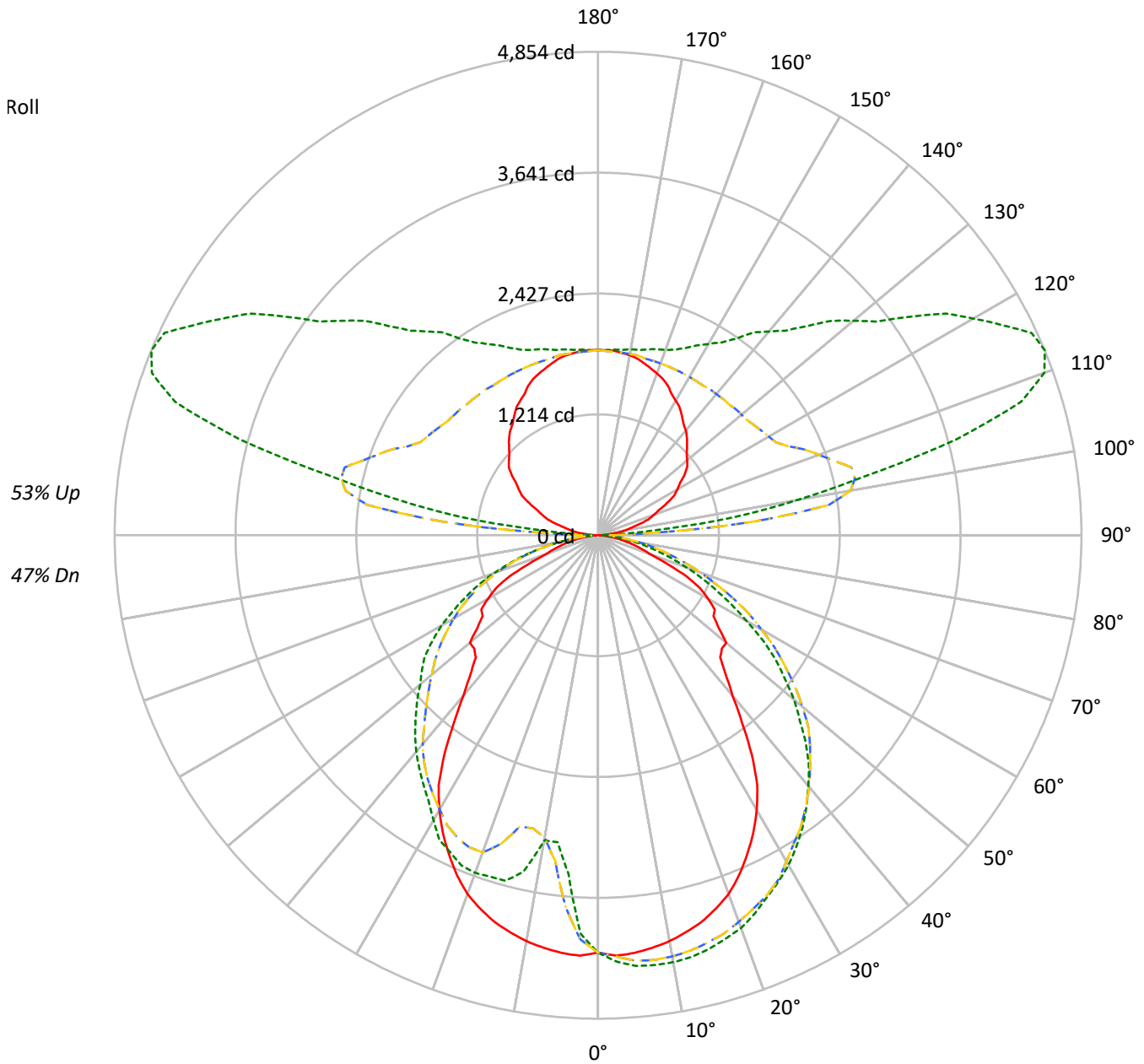
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22923.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 174
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: P935213
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 47 | 47 | 47 | 47 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 70 | 67 | 59 | 58 | 56 | 48 | 47 | 46 | 40 | 40 | 40 | 40 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | 34 | 34 | 34 | 34 |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 28 | 28 | 28 | 28 |
| 4 | 74 | 63 | 55 | 49 | 68 | 58 | 51 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 30 | 28 | 24 | 24 | 24 | 24 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 39 | 44 | 39 | 34 | 37 | 33 | 29 | 30 | 27 | 24 | 21 | 21 | 21 | 21 |
| 6 | 62 | 50 | 42 | 36 | 57 | 47 | 39 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 21 | 19 | 19 | 19 | 19 |
| 7 | 58 | 45 | 37 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 25 | 21 | 19 | 16 | 16 | 16 | 16 |
| 8 | 53 | 41 | 33 | 28 | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 15 | 15 | 15 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 15 | 13 | 13 | 13 | 13 |
| 10 | 46 | 34 | 27 | 22 | 43 | 32 | 26 | 21 | 28 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 | 12 | 12 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12959 | 12959 | 12959 | 12959 |
| 5° | 13061 | 13082 | 13061 | 10286 |
| 10° | 12978 | 12886 | 12978 | 9212 |
| 15° | 12842 | 12607 | 12842 | 10527 |
| 20° | 12578 | 12276 | 12578 | 10549 |
| 25° | 12033 | 11794 | 12033 | 10325 |
| 30° | 11327 | 11393 | 11327 | 9835 |
| 35° | 10104 | 10886 | 10104 | 9295 |
| 40° | 8424 | 10290 | 8424 | 8888 |
| 45° | 7531 | 9592 | 7531 | 8419 |
| 50° | 8007 | 8760 | 8007 | 7949 |
| 55° | 7541 | 7863 | 7541 | 7676 |
| 60° | 7783 | 6678 | 7783 | 7031 |
| 65° | 7068 | 5520 | 7068 | 6171 |
| 70° | 4906 | 4399 | 4906 | 5172 |
| 75° | 4319 | 3252 | 4319 | 3894 |
| 80° | 3505 | 2150 | 3505 | 2341 |
| 85° | 2054 | 1138 | 2054 | 968 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11536 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 378.2 | 1.6 |
| 10°-20° | 1073.8 | 4.7 |
| 20°-30° | 1659.9 | 7.2 |
| 30°-40° | 1981.5 | 8.6 |
| 40°-50° | 1993.2 | 8.7 |
| 50°-60° | 1734.3 | 7.6 |
| 60°-70° | 1229.6 | 5.4 |
| 70°-80° | 650.5 | 2.8 |
| 80°-90° | 169.1 | 0.7 |
| 90°-100° | 906.3 | 4.0 |
| 100°-110° | 2382.7 | 10.4 |
| 110°-120° | 2470.6 | 10.8 |
| 120°-130° | 1981.7 | 8.6 |
| 130°-140° | 1555.0 | 6.8 |
| 140°-150° | 1193.5 | 5.2 |
| 150°-160° | 859.5 | 3.7 |
| 160°-170° | 525.9 | 2.3 |
| 170°-180° | 177.7 | 0.8 |
| 0°-30° | 3111.8 | 13.6 |
| 0°-40° | 5093.4 | 22.2 |
| 0°-60° | 8820.8 | 38.5 |
| 0°-90° | 10870.1 | 47.4 |
| 90°-120° | 5759.6 | 25.1 |
| 90°-150° | 10489.8 | 45.8 |
| 90°-180° | 12053.0 | 52.6 |
| 0°-180° | 22923.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 4190 | 4190 | 4190 | 4190 | 4190 | |
| 5° | 4210 | 4340 | 4210 | 3413 | 4210 | 399 |
| 15° | 4019 | 4301 | 4019 | 3591 | 4019 | 1131 |
| 25° | 3540 | 4011 | 3540 | 3512 | 3540 | 1625 |
| 35° | 2691 | 3579 | 2691 | 3056 | 2691 | 1665 |
| 45° | 1736 | 2949 | 1736 | 2588 | 1736 | 1391 |
| 55° | 1415 | 2176 | 1415 | 2124 | 1415 | 1300 |
| 65° | 983 | 1312 | 983 | 1467 | 983 | 939 |
| 75° | 373 | 622 | 373 | 745 | 373 | 392 |
| 85° | 63 | 158 | 63 | 135 | 63 | 86 |
| 90° | 12 | 47 | 12 | 47 | 12 | 13 |
| 95° | 120 | 548 | 120 | 548 | 120 | 133 |
| 105° | 429 | 3731 | 429 | 3731 | 429 | 455 |
| 115° | 762 | 4804 | 762 | 4804 | 762 | 753 |
| 125° | 1061 | 3826 | 1061 | 3826 | 1061 | 942 |
| 135° | 1264 | 2969 | 1264 | 2969 | 1264 | 978 |
| 145° | 1466 | 2408 | 1466 | 2408 | 1466 | 919 |
| 155° | 1657 | 2074 | 1657 | 2074 | 1657 | 761 |
| 165° | 1788 | 1932 | 1788 | 1932 | 1788 | 505 |
| 175° | 1859 | 1872 | 1859 | 1872 | 1859 | 176 |
| 180° | 1859 | 1859 | 1859 | 1859 | 1859 | |



TEST NUMBER: P935213
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CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 |
| 2.5° | 4225.3 | 4225.3 | 4249.1 | 4257.0 | 4257.0 | 4245.1 | 4233.2 | 4245.1 | 4280.8 | 4292.7 | 4288.7 |
| 5° | 4209.5 | 4241.2 | 4284.8 | 4292.7 | 4300.6 | 4296.7 | 4288.7 | 4296.7 | 4336.3 | 4344.2 | 4348.2 |
| 7.5° | 4177.7 | 4237.2 | 4292.7 | 4304.6 | 4316.5 | 4304.6 | 4300.6 | 4308.6 | 4348.2 | 4356.1 | 4356.1 |
| 10° | 4138.1 | 4221.4 | 4284.8 | 4292.7 | 4304.6 | 4292.7 | 4292.7 | 4308.6 | 4348.2 | 4356.1 | 4360.1 |
| 12.5° | 4082.6 | 4197.6 | 4257.0 | 4265.0 | 4280.8 | 4276.8 | 4272.9 | 4288.7 | 4328.4 | 4336.3 | 4336.3 |
| 15° | 4019.2 | 4154.0 | 4209.5 | 4217.4 | 4245.1 | 4237.2 | 4237.2 | 4253.1 | 4296.7 | 4308.6 | 4304.6 |
| 17.5° | 3932.0 | 4098.5 | 4161.9 | 4173.8 | 4193.6 | 4189.6 | 4193.6 | 4209.5 | 4249.1 | 4257.0 | 4261.0 |
| 20° | 3832.9 | 4023.2 | 4098.5 | 4110.4 | 4130.2 | 4130.2 | 4130.2 | 4150.0 | 4189.6 | 4205.5 | 4205.5 |
| 22.5° | 3698.1 | 3943.9 | 4023.2 | 4031.1 | 4054.9 | 4054.9 | 4062.8 | 4090.5 | 4126.2 | 4130.2 | 4130.2 |
| 25° | 3539.6 | 3856.7 | 3924.1 | 3947.9 | 3971.6 | 3983.5 | 3995.4 | 4011.3 | 4023.2 | 4019.2 | 4023.2 |
| 27.5° | 3373.1 | 3745.7 | 3832.9 | 3848.8 | 3880.5 | 3892.4 | 3908.2 | 3912.2 | 3916.1 | 3928.0 | 3920.1 |
| 30° | 3186.8 | 3591.1 | 3721.9 | 3737.8 | 3789.3 | 3797.2 | 3781.4 | 3789.3 | 3809.1 | 3817.1 | 3825.0 |
| 32.5° | 2976.7 | 3361.2 | 3607.0 | 3642.6 | 3690.2 | 3666.4 | 3662.5 | 3674.4 | 3706.1 | 3706.1 | 3714.0 |
| 35° | 2691.4 | 3182.9 | 3500.0 | 3531.7 | 3567.3 | 3539.6 | 3555.4 | 3559.4 | 3579.2 | 3591.1 | 3587.2 |
| 37.5° | 2378.2 | 3028.3 | 3389.0 | 3412.8 | 3440.5 | 3404.8 | 3428.6 | 3440.5 | 3456.4 | 3448.4 | 3448.4 |
| 40° | 2100.8 | 2786.5 | 3258.2 | 3274.0 | 3297.8 | 3270.1 | 3293.8 | 3301.8 | 3309.7 | 3301.8 | 3297.8 |
| 42.5° | 1894.7 | 2520.9 | 3119.4 | 3139.3 | 3123.4 | 3143.2 | 3151.1 | 3167.0 | 3155.1 | 3139.3 | 3139.3 |
| 45° | 1736.1 | 2449.6 | 2968.8 | 2992.6 | 2968.8 | 3000.5 | 3012.4 | 3012.4 | 2976.7 | 2968.8 | 2964.9 |
| 47.5° | 1684.6 | 2306.9 | 2818.2 | 2818.2 | 2806.3 | 2845.9 | 2865.8 | 2838.0 | 2802.3 | 2790.5 | 2790.5 |
| 50° | 1680.6 | 2148.3 | 2612.1 | 2596.2 | 2651.7 | 2699.3 | 2679.5 | 2651.7 | 2624.0 | 2580.4 | 2580.4 |
| 52.5° | 1526.0 | 1954.1 | 2346.5 | 2406.0 | 2493.2 | 2520.9 | 2489.2 | 2461.5 | 2413.9 | 2394.1 | 2378.2 |
| 55° | 1415.0 | 1752.0 | 2104.7 | 2223.6 | 2314.8 | 2350.5 | 2291.0 | 2263.3 | 2191.9 | 2180.0 | 2172.1 |
| 57.5° | 1391.3 | 1458.6 | 1882.8 | 2033.4 | 2144.4 | 2140.4 | 2104.7 | 2053.2 | 1993.7 | 1981.9 | 1977.9 |
| 60° | 1276.3 | 1054.3 | 1644.9 | 1823.3 | 1938.3 | 1926.4 | 1894.7 | 1847.1 | 1791.6 | 1783.7 | 1775.7 |
| 62.5° | 1157.4 | 765.0 | 1375.4 | 1577.6 | 1740.1 | 1736.1 | 1708.4 | 1637.0 | 1597.4 | 1577.6 | 1561.7 |
| 65° | 983.0 | 642.1 | 979.0 | 1312.0 | 1545.8 | 1553.8 | 1494.3 | 1442.8 | 1399.2 | 1375.4 | 1371.4 |
| 67.5° | 749.1 | 523.2 | 661.9 | 1094.0 | 1359.6 | 1351.6 | 1276.3 | 1252.5 | 1197.0 | 1185.1 | 1161.4 |
| 70° | 554.9 | 348.8 | 459.8 | 887.9 | 1177.2 | 1157.4 | 1097.9 | 1070.2 | 1018.7 | 990.9 | 975.1 |
| 72.5° | 459.8 | 281.4 | 336.9 | 689.7 | 990.9 | 967.1 | 915.6 | 883.9 | 840.3 | 816.5 | 800.7 |
| 75° | 372.6 | 297.3 | 257.6 | 511.3 | 804.6 | 788.8 | 741.2 | 709.5 | 673.8 | 642.1 | 646.1 |
| 77.5° | 273.5 | 277.5 | 206.1 | 376.6 | 638.2 | 614.4 | 586.6 | 547.0 | 531.1 | 499.4 | 499.4 |
| 80° | 206.1 | 218.0 | 154.6 | 257.6 | 459.8 | 459.8 | 436.0 | 408.3 | 380.5 | 364.7 | 364.7 |
| 82.5° | 138.7 | 138.7 | 114.9 | 162.5 | 313.1 | 301.2 | 285.4 | 277.5 | 261.6 | 253.7 | 253.7 |
| 85° | 63.4 | 79.3 | 71.3 | 99.1 | 170.4 | 178.4 | 178.4 | 170.4 | 166.5 | 158.5 | 162.5 |
| 87.5° | 19.8 | 35.7 | 43.6 | 55.5 | 87.2 | 91.2 | 95.1 | 95.1 | 95.1 | 99.1 | 99.1 |
| 90° | 12.5 | 22.5 | 32.4 | 34.9 | 54.9 | 81.5 | 94.8 | 84.3 | 63.2 | 47.4 | 47.4 |
| 92.5° | 49.9 | 134.7 | 219.6 | 240.8 | 338.6 | 468.9 | 534.1 | 468.1 | 336.1 | 237.1 | 227.7 |
| 95° | 119.8 | 275.1 | 430.4 | 469.2 | 833.1 | 1318.4 | 1561.0 | 1393.0 | 1056.9 | 804.8 | 776.2 |
| 97.5° | 207.1 | 344.1 | 481.1 | 515.4 | 1122.2 | 1931.3 | 2335.9 | 2229.7 | 2017.3 | 1858.0 | 1803.7 |
| 100° | 274.5 | 398.7 | 522.9 | 554.0 | 1227.4 | 2125.3 | 2574.3 | 2582.1 | 2597.6 | 2609.2 | 2544.5 |
| 102.5° | 331.9 | 447.8 | 563.7 | 592.7 | 1275.7 | 2186.4 | 2641.7 | 2777.0 | 3047.6 | 3250.6 | 3195.1 |
| 105° | 429.3 | 527.4 | 625.6 | 650.1 | 1311.5 | 2193.3 | 2634.2 | 2937.6 | 3544.3 | 3999.3 | 3969.5 |
| 107.5° | 529.1 | 620.6 | 712.1 | 735.0 | 1318.1 | 2095.6 | 2484.4 | 2907.6 | 3753.9 | 4388.6 | 4395.8 |
| 110° | 596.5 | 679.1 | 761.7 | 782.4 | 1308.1 | 2009.1 | 2359.6 | 2832.7 | 3778.8 | 4488.4 | 4519.5 |



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CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 662.6 | 741.4 | 820.1 | 839.8 | 1308.6 | 1933.6 | 2246.1 | 2730.3 | 3698.6 | 4424.8 | 4472.5 |
| 115° | 762.4 | 835.1 | 907.7 | 925.9 | 1320.6 | 1846.9 | 2110.1 | 2576.5 | 3509.3 | 4208.9 | 4275.0 |
| 117.5° | 861.0 | 927.0 | 993.0 | 1009.5 | 1345.2 | 1792.7 | 2016.5 | 2437.4 | 3279.3 | 3910.7 | 3984.0 |
| 120° | 918.4 | 980.5 | 1042.7 | 1058.2 | 1365.2 | 1774.5 | 1979.1 | 2363.7 | 3132.9 | 3709.8 | 3781.1 |
| 122.5° | 974.6 | 1037.3 | 1099.9 | 1115.6 | 1393.9 | 1764.9 | 1950.4 | 2296.7 | 2989.4 | 3508.9 | 3579.2 |
| 125° | 1060.7 | 1117.8 | 1174.9 | 1189.2 | 1432.5 | 1757.0 | 1919.2 | 2213.4 | 2801.8 | 3243.1 | 3307.8 |
| 127.5° | 1130.5 | 1188.2 | 1245.9 | 1260.3 | 1471.2 | 1752.4 | 1893.0 | 2145.6 | 2650.8 | 3029.7 | 3084.3 |
| 130° | 1168.0 | 1230.1 | 1292.2 | 1307.7 | 1499.5 | 1755.2 | 1883.0 | 2107.9 | 2557.7 | 2895.0 | 2945.5 |
| 132.5° | 1206.7 | 1268.8 | 1330.9 | 1346.4 | 1522.3 | 1756.9 | 1874.2 | 2075.5 | 2478.2 | 2780.2 | 2825.4 |
| 135° | 1264.1 | 1320.6 | 1377.2 | 1391.3 | 1547.3 | 1755.3 | 1859.3 | 2027.9 | 2365.0 | 2617.9 | 2656.9 |
| 137.5° | 1322.7 | 1378.7 | 1434.7 | 1448.7 | 1584.7 | 1766.1 | 1856.8 | 1999.3 | 2284.4 | 2498.2 | 2530.1 |
| 140° | 1371.4 | 1423.0 | 1474.5 | 1487.4 | 1607.6 | 1767.9 | 1848.0 | 1971.1 | 2217.4 | 2402.1 | 2431.9 |
| 142.5° | 1408.8 | 1456.5 | 1504.2 | 1516.1 | 1626.7 | 1774.2 | 1848.0 | 1956.2 | 2172.5 | 2334.7 | 2360.3 |
| 145° | 1466.2 | 1507.8 | 1549.4 | 1559.8 | 1651.7 | 1774.3 | 1835.6 | 1924.0 | 2100.9 | 2233.6 | 2253.0 |
| 147.5° | 1523.6 | 1564.1 | 1604.6 | 1614.7 | 1688.3 | 1786.5 | 1835.6 | 1905.2 | 2044.4 | 2148.8 | 2164.9 |
| 150° | 1561.0 | 1597.6 | 1634.2 | 1643.4 | 1707.5 | 1792.9 | 1835.6 | 1894.4 | 2011.9 | 2100.1 | 2113.1 |
| 152.5° | 1599.7 | 1627.4 | 1655.2 | 1662.1 | 1719.9 | 1797.0 | 1835.6 | 1885.8 | 1986.1 | 2061.4 | 2071.2 |
| 155° | 1657.1 | 1677.6 | 1698.2 | 1703.3 | 1747.4 | 1806.2 | 1835.6 | 1875.5 | 1955.3 | 2015.2 | 2021.7 |
| 157.5° | 1699.5 | 1719.5 | 1739.5 | 1744.5 | 1774.9 | 1815.4 | 1835.6 | 1866.6 | 1928.7 | 1975.3 | 1979.9 |
| 160° | 1728.2 | 1743.8 | 1759.3 | 1763.2 | 1787.3 | 1819.5 | 1835.6 | 1862.2 | 1915.4 | 1955.3 | 1957.9 |
| 162.5° | 1756.9 | 1768.5 | 1780.2 | 1783.1 | 1800.6 | 1823.9 | 1835.6 | 1858.0 | 1902.9 | 1936.6 | 1939.1 |
| 165° | 1788.1 | 1798.6 | 1809.2 | 1811.8 | 1819.7 | 1830.3 | 1835.6 | 1851.7 | 1883.8 | 1907.9 | 1910.5 |
| 167.5° | 1816.8 | 1821.8 | 1826.8 | 1828.1 | 1834.7 | 1843.6 | 1848.0 | 1858.6 | 1879.7 | 1895.5 | 1896.6 |
| 170° | 1835.6 | 1840.6 | 1845.6 | 1846.8 | 1847.2 | 1847.7 | 1848.0 | 1858.6 | 1879.7 | 1895.5 | 1895.5 |
| 172.5° | 1845.5 | 1846.6 | 1847.7 | 1848.0 | 1848.0 | 1848.0 | 1848.0 | 1856.3 | 1873.0 | 1885.5 | 1884.5 |
| 175° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1855.5 | 1850.5 | 1848.0 | 1853.3 | 1863.8 | 1871.7 | 1871.7 |
| 177.5° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1856.4 | 1852.5 | 1850.5 | 1854.7 | 1863.0 | 1869.2 | 1868.1 |
| 180° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 |
| 2.5° | 4296.7 | 4284.8 | 4296.7 | 4288.7 | 4292.7 | 4280.8 | 4245.1 | 4233.2 | 4245.1 | 4257.0 | 4257.0 |
| 5° | 4348.2 | 4340.3 | 4348.2 | 4348.2 | 4344.2 | 4336.3 | 4296.7 | 4288.7 | 4296.7 | 4300.6 | 4292.7 |
| 7.5° | 4364.0 | 4352.2 | 4364.0 | 4356.1 | 4356.1 | 4348.2 | 4308.6 | 4300.6 | 4304.6 | 4316.5 | 4304.6 |
| 10° | 4364.0 | 4352.2 | 4364.0 | 4360.1 | 4356.1 | 4348.2 | 4308.6 | 4292.7 | 4292.7 | 4304.6 | 4292.7 |
| 12.5° | 4344.2 | 4336.3 | 4344.2 | 4336.3 | 4336.3 | 4328.4 | 4288.7 | 4272.9 | 4276.8 | 4280.8 | 4265.0 |
| 15° | 4312.5 | 4300.6 | 4312.5 | 4304.6 | 4308.6 | 4296.7 | 4253.1 | 4237.2 | 4237.2 | 4245.1 | 4217.4 |
| 17.5° | 4265.0 | 4249.1 | 4265.0 | 4261.0 | 4257.0 | 4249.1 | 4209.5 | 4193.6 | 4189.6 | 4193.6 | 4173.8 |
| 20° | 4209.5 | 4197.6 | 4209.5 | 4205.5 | 4205.5 | 4189.6 | 4150.0 | 4130.2 | 4130.2 | 4130.2 | 4110.4 |
| 22.5° | 4122.3 | 4110.4 | 4122.3 | 4130.2 | 4130.2 | 4126.2 | 4090.5 | 4062.8 | 4054.9 | 4054.9 | 4031.1 |
| 25° | 4023.2 | 4011.3 | 4023.2 | 4023.2 | 4019.2 | 4023.2 | 4011.3 | 3995.4 | 3983.5 | 3971.6 | 3947.9 |
| 27.5° | 3928.0 | 3920.1 | 3928.0 | 3920.1 | 3928.0 | 3916.1 | 3912.2 | 3908.2 | 3892.4 | 3880.5 | 3848.8 |
| 30° | 3832.9 | 3825.0 | 3832.9 | 3825.0 | 3817.1 | 3809.1 | 3789.3 | 3781.4 | 3797.2 | 3789.3 | 3737.8 |
| 32.5° | 3714.0 | 3706.1 | 3714.0 | 3714.0 | 3706.1 | 3706.1 | 3674.4 | 3662.5 | 3666.4 | 3690.2 | 3642.6 |
| 35° | 3591.1 | 3579.2 | 3591.1 | 3587.2 | 3591.1 | 3579.2 | 3559.4 | 3555.4 | 3539.6 | 3567.3 | 3531.7 |
| 37.5° | 3448.4 | 3436.5 | 3448.4 | 3448.4 | 3448.4 | 3456.4 | 3440.5 | 3428.6 | 3404.8 | 3440.5 | 3412.8 |
| 40° | 3301.8 | 3285.9 | 3301.8 | 3297.8 | 3301.8 | 3309.7 | 3301.8 | 3293.8 | 3270.1 | 3297.8 | 3274.0 |
| 42.5° | 3135.3 | 3131.3 | 3135.3 | 3139.3 | 3139.3 | 3155.1 | 3167.0 | 3151.1 | 3143.2 | 3123.4 | 3139.3 |
| 45° | 2956.9 | 2949.0 | 2956.9 | 2964.9 | 2968.8 | 2976.7 | 3012.4 | 3012.4 | 3000.5 | 2968.8 | 2992.6 |
| 47.5° | 2766.7 | 2746.9 | 2766.7 | 2790.5 | 2790.5 | 2802.3 | 2838.0 | 2865.8 | 2845.9 | 2806.3 | 2818.2 |
| 50° | 2564.5 | 2568.5 | 2564.5 | 2580.4 | 2580.4 | 2624.0 | 2651.7 | 2679.5 | 2699.3 | 2651.7 | 2596.2 |
| 52.5° | 2366.3 | 2362.4 | 2366.3 | 2378.2 | 2394.1 | 2413.9 | 2461.5 | 2489.2 | 2520.9 | 2493.2 | 2406.0 |
| 55° | 2168.1 | 2176.1 | 2168.1 | 2172.1 | 2180.0 | 2191.9 | 2263.3 | 2291.0 | 2350.5 | 2314.8 | 2223.6 |
| 57.5° | 1970.0 | 1958.1 | 1970.0 | 1977.9 | 1981.9 | 1993.7 | 2053.2 | 2104.7 | 2140.4 | 2144.4 | 2033.4 |
| 60° | 1740.1 | 1724.2 | 1740.1 | 1775.7 | 1783.7 | 1791.6 | 1847.1 | 1894.7 | 1926.4 | 1938.3 | 1823.3 |
| 62.5° | 1537.9 | 1510.2 | 1537.9 | 1561.7 | 1577.6 | 1597.4 | 1637.0 | 1708.4 | 1736.1 | 1740.1 | 1577.6 |
| 65° | 1323.9 | 1312.0 | 1323.9 | 1371.4 | 1375.4 | 1399.2 | 1442.8 | 1494.3 | 1553.8 | 1545.8 | 1312.0 |
| 67.5° | 1129.7 | 1129.7 | 1129.7 | 1161.4 | 1185.1 | 1197.0 | 1252.5 | 1276.3 | 1351.6 | 1359.6 | 1094.0 |
| 70° | 951.3 | 947.3 | 951.3 | 975.1 | 990.9 | 1018.7 | 1070.2 | 1097.9 | 1157.4 | 1177.2 | 887.9 |
| 72.5° | 780.9 | 776.9 | 780.9 | 800.7 | 816.5 | 840.3 | 883.9 | 915.6 | 967.1 | 990.9 | 689.7 |
| 75° | 630.2 | 622.3 | 630.2 | 646.1 | 642.1 | 673.8 | 709.5 | 741.2 | 788.8 | 804.6 | 511.3 |
| 77.5° | 483.6 | 483.6 | 483.6 | 499.4 | 499.4 | 531.1 | 547.0 | 586.6 | 614.4 | 638.2 | 376.6 |
| 80° | 360.7 | 356.7 | 360.7 | 364.7 | 364.7 | 380.5 | 408.3 | 436.0 | 459.8 | 459.8 | 257.6 |
| 82.5° | 253.7 | 245.7 | 253.7 | 253.7 | 253.7 | 261.6 | 277.5 | 285.4 | 301.2 | 313.1 | 162.5 |
| 85° | 158.5 | 158.5 | 158.5 | 162.5 | 158.5 | 166.5 | 170.4 | 178.4 | 178.4 | 170.4 | 99.1 |
| 87.5° | 103.1 | 99.1 | 103.1 | 99.1 | 99.1 | 95.1 | 95.1 | 95.1 | 91.2 | 87.2 | 55.5 |
| 90° | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 63.2 | 84.3 | 94.8 | 81.5 | 54.9 | 34.9 |
| 92.5° | 189.9 | 152.2 | 189.9 | 227.7 | 237.1 | 336.1 | 468.1 | 534.1 | 468.9 | 338.6 | 240.8 |
| 95° | 662.0 | 547.8 | 662.0 | 776.2 | 804.8 | 1056.9 | 1393.0 | 1561.0 | 1318.4 | 833.1 | 469.2 |
| 97.5° | 1586.3 | 1368.9 | 1586.3 | 1803.7 | 1858.0 | 2017.3 | 2229.7 | 2335.9 | 1931.3 | 1122.2 | 515.4 |
| 100° | 2285.5 | 2026.5 | 2285.5 | 2544.5 | 2609.2 | 2597.6 | 2582.1 | 2574.3 | 2125.3 | 1227.4 | 554.0 |
| 102.5° | 2973.3 | 2751.5 | 2973.3 | 3195.1 | 3250.6 | 3047.6 | 2777.0 | 2641.7 | 2186.4 | 1275.7 | 592.7 |
| 105° | 3850.2 | 3731.0 | 3850.2 | 3969.5 | 3999.3 | 3544.3 | 2937.6 | 2634.2 | 2193.3 | 1311.5 | 650.1 |
| 107.5° | 4424.7 | 4453.5 | 4424.7 | 4395.8 | 4388.6 | 3753.9 | 2907.6 | 2484.4 | 2095.6 | 1318.1 | 735.0 |
| 110° | 4643.7 | 4768.0 | 4643.7 | 4519.5 | 4488.4 | 3778.8 | 2832.7 | 2359.6 | 2009.1 | 1308.1 | 782.4 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4663.3 | 4854.1 | 4663.3 | 4472.5 | 4424.8 | 3698.6 | 2730.3 | 2246.1 | 1933.6 | 1308.6 | 839.8 |
| 115° | 4539.6 | 4804.1 | 4539.6 | 4275.0 | 4208.9 | 3509.3 | 2576.5 | 2110.1 | 1846.9 | 1320.6 | 925.9 |
| 117.5° | 4277.4 | 4570.8 | 4277.4 | 3984.0 | 3910.7 | 3279.3 | 2437.4 | 2016.5 | 1792.7 | 1345.2 | 1009.5 |
| 120° | 4066.1 | 4351.2 | 4066.1 | 3781.1 | 3709.8 | 3132.9 | 2363.7 | 1979.1 | 1774.5 | 1365.2 | 1058.2 |
| 122.5° | 3860.3 | 4141.5 | 3860.3 | 3579.2 | 3508.9 | 2989.4 | 2296.7 | 1950.4 | 1764.9 | 1393.9 | 1115.6 |
| 125° | 3566.8 | 3825.8 | 3566.8 | 3307.8 | 3243.1 | 2801.8 | 2213.4 | 1919.2 | 1757.0 | 1432.5 | 1189.2 |
| 127.5° | 3302.9 | 3521.4 | 3302.9 | 3084.3 | 3029.7 | 2650.8 | 2145.6 | 1893.0 | 1752.4 | 1471.2 | 1260.3 |
| 130° | 3147.3 | 3349.2 | 3147.3 | 2945.5 | 2895.0 | 2557.7 | 2107.9 | 1883.0 | 1755.2 | 1499.5 | 1307.7 |
| 132.5° | 3006.2 | 3187.0 | 3006.2 | 2825.4 | 2780.2 | 2478.2 | 2075.5 | 1874.2 | 1756.9 | 1522.3 | 1346.4 |
| 135° | 2812.7 | 2968.6 | 2812.7 | 2656.9 | 2617.9 | 2365.0 | 2027.9 | 1859.3 | 1755.3 | 1547.3 | 1391.3 |
| 137.5° | 2657.6 | 2785.2 | 2657.6 | 2530.1 | 2498.2 | 2284.4 | 1999.3 | 1856.8 | 1766.1 | 1584.7 | 1448.7 |
| 140° | 2551.2 | 2670.4 | 2551.2 | 2431.9 | 2402.1 | 2217.4 | 1971.1 | 1848.0 | 1767.9 | 1607.6 | 1487.4 |
| 142.5° | 2462.9 | 2565.5 | 2462.9 | 2360.3 | 2334.7 | 2172.5 | 1956.2 | 1848.0 | 1774.2 | 1626.7 | 1516.1 |
| 145° | 2330.7 | 2408.3 | 2330.7 | 2253.0 | 2233.6 | 2100.9 | 1924.0 | 1835.6 | 1774.3 | 1651.7 | 1559.8 |
| 147.5° | 2229.2 | 2293.5 | 2229.2 | 2164.9 | 2148.8 | 2044.4 | 1905.2 | 1835.6 | 1786.5 | 1688.3 | 1614.7 |
| 150° | 2165.3 | 2217.4 | 2165.3 | 2113.1 | 2100.1 | 2011.9 | 1894.4 | 1835.6 | 1792.9 | 1707.5 | 1643.4 |
| 152.5° | 2110.6 | 2150.0 | 2110.6 | 2071.2 | 2061.4 | 1986.1 | 1885.8 | 1835.6 | 1797.0 | 1719.9 | 1662.1 |
| 155° | 2047.8 | 2073.9 | 2047.8 | 2021.7 | 2015.2 | 1955.3 | 1875.5 | 1835.6 | 1806.2 | 1747.4 | 1703.3 |
| 157.5° | 1998.2 | 2016.5 | 1998.2 | 1979.9 | 1975.3 | 1928.7 | 1866.6 | 1835.6 | 1815.4 | 1774.9 | 1744.5 |
| 160° | 1968.5 | 1979.1 | 1968.5 | 1957.9 | 1955.3 | 1915.4 | 1862.2 | 1835.6 | 1819.5 | 1787.3 | 1763.2 |
| 162.5° | 1949.1 | 1959.1 | 1949.1 | 1939.1 | 1936.6 | 1902.9 | 1858.0 | 1835.6 | 1823.9 | 1800.6 | 1783.1 |
| 165° | 1921.1 | 1931.6 | 1921.1 | 1910.5 | 1907.9 | 1883.8 | 1851.7 | 1835.6 | 1830.3 | 1819.7 | 1811.8 |
| 167.5° | 1901.0 | 1905.4 | 1901.0 | 1896.6 | 1895.5 | 1879.7 | 1858.6 | 1848.0 | 1843.6 | 1834.7 | 1828.1 |
| 170° | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1879.7 | 1858.6 | 1848.0 | 1847.7 | 1847.2 | 1846.8 |
| 172.5° | 1880.6 | 1876.7 | 1880.6 | 1884.5 | 1885.5 | 1873.0 | 1856.3 | 1848.0 | 1848.0 | 1848.0 | 1848.0 |
| 175° | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1863.8 | 1853.3 | 1848.0 | 1850.5 | 1855.5 | 1859.3 |
| 177.5° | 1863.7 | 1859.3 | 1863.7 | 1868.1 | 1869.2 | 1863.0 | 1854.7 | 1850.5 | 1852.5 | 1856.4 | 1859.3 |
| 180° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 |
| 2.5° | 4249.1 | 4225.3 | 4225.3 | 4185.7 | 4169.8 | 4157.9 | 4138.1 | 4078.7 | 4062.8 | 4046.9 | 4070.7 |
| 5° | 4284.8 | 4241.2 | 4209.5 | 4138.1 | 4078.7 | 4054.9 | 3979.6 | 3836.9 | 3741.7 | 3670.4 | 3630.8 |
| 7.5° | 4292.7 | 4237.2 | 4177.7 | 4066.8 | 3924.1 | 3860.7 | 3630.8 | 3369.2 | 3297.8 | 3234.4 | 3194.7 |
| 10° | 4284.8 | 4221.4 | 4138.1 | 3971.6 | 3634.7 | 3523.7 | 3293.8 | 3123.4 | 3079.8 | 3067.9 | 3079.8 |
| 12.5° | 4257.0 | 4197.6 | 4082.6 | 3805.2 | 3333.5 | 3258.2 | 3123.4 | 3024.3 | 3016.4 | 3036.2 | 3143.2 |
| 15° | 4209.5 | 4154.0 | 4019.2 | 3583.2 | 3167.0 | 3111.5 | 3016.4 | 2980.7 | 3024.3 | 3163.0 | 3484.1 |
| 17.5° | 4161.9 | 4098.5 | 3932.0 | 3365.2 | 3040.2 | 3000.5 | 2933.1 | 3004.5 | 3250.2 | 3436.5 | 3543.6 |
| 20° | 4098.5 | 4023.2 | 3832.9 | 3206.6 | 2949.0 | 2913.3 | 2881.6 | 3202.7 | 3389.0 | 3456.4 | 3515.8 |
| 22.5° | 4023.2 | 3943.9 | 3698.1 | 3095.7 | 2853.9 | 2826.1 | 2845.9 | 3313.7 | 3389.0 | 3436.5 | 3488.1 |
| 25° | 3924.1 | 3856.7 | 3539.6 | 3008.5 | 2778.6 | 2746.9 | 2822.2 | 3301.8 | 3345.4 | 3357.3 | 3460.3 |
| 27.5° | 3832.9 | 3745.7 | 3373.1 | 2929.2 | 2687.4 | 2675.5 | 2842.0 | 3250.2 | 3282.0 | 3293.8 | 3404.8 |
| 30° | 3721.9 | 3591.1 | 3186.8 | 2845.9 | 2592.3 | 2588.3 | 2845.9 | 3186.8 | 3178.9 | 3210.6 | 3321.6 |
| 32.5° | 3607.0 | 3361.2 | 2976.7 | 2742.9 | 2501.1 | 2497.1 | 2818.2 | 3091.7 | 3083.8 | 3127.4 | 3210.6 |
| 35° | 3500.0 | 3182.9 | 2691.4 | 2624.0 | 2386.2 | 2390.1 | 2750.8 | 2980.7 | 2984.7 | 3024.3 | 3075.8 |
| 37.5° | 3389.0 | 3028.3 | 2378.2 | 2493.2 | 2275.2 | 2275.2 | 2659.6 | 2877.7 | 2869.7 | 2881.6 | 2953.0 |
| 40° | 3258.2 | 2786.5 | 2100.8 | 2322.7 | 2172.1 | 2160.2 | 2548.7 | 2766.7 | 2738.9 | 2735.0 | 2834.1 |
| 42.5° | 3119.4 | 2520.9 | 1894.7 | 2096.8 | 2053.2 | 2037.3 | 2413.9 | 2631.9 | 2580.4 | 2592.3 | 2719.1 |
| 45° | 2968.8 | 2449.6 | 1736.1 | 1771.8 | 1930.3 | 1918.4 | 2267.2 | 2477.3 | 2441.6 | 2473.4 | 2604.2 |
| 47.5° | 2818.2 | 2306.9 | 1684.6 | 1470.5 | 1799.5 | 1795.6 | 2104.7 | 2326.7 | 2306.9 | 2338.6 | 2477.3 |
| 50° | 2612.1 | 2148.3 | 1680.6 | 1260.5 | 1652.9 | 1668.7 | 1910.5 | 2180.0 | 2180.0 | 2207.8 | 2354.4 |
| 52.5° | 2346.5 | 1954.1 | 1526.0 | 1141.5 | 1482.4 | 1530.0 | 1740.1 | 2053.2 | 2061.1 | 2088.9 | 2219.7 |
| 55° | 2104.7 | 1752.0 | 1415.0 | 1050.4 | 1280.3 | 1383.3 | 1573.6 | 1922.4 | 1938.3 | 1966.0 | 2084.9 |
| 57.5° | 1882.8 | 1458.6 | 1391.3 | 943.4 | 1094.0 | 1193.1 | 1426.9 | 1795.6 | 1803.5 | 1827.3 | 1942.2 |
| 60° | 1644.9 | 1054.3 | 1276.3 | 828.4 | 931.5 | 1006.8 | 1292.2 | 1644.9 | 1672.7 | 1688.5 | 1787.6 |
| 62.5° | 1375.4 | 765.0 | 1157.4 | 749.1 | 852.2 | 868.1 | 1181.2 | 1502.2 | 1537.9 | 1549.8 | 1609.3 |
| 65° | 979.0 | 642.1 | 983.0 | 681.8 | 769.0 | 772.9 | 1062.3 | 1355.6 | 1387.3 | 1407.1 | 1450.7 |
| 67.5° | 661.9 | 523.2 | 749.1 | 618.3 | 705.5 | 709.5 | 947.3 | 1185.1 | 1228.7 | 1244.6 | 1272.4 |
| 70° | 459.8 | 348.8 | 554.9 | 551.0 | 634.2 | 642.1 | 824.5 | 1030.6 | 1070.2 | 1082.1 | 1097.9 |
| 72.5° | 336.9 | 281.4 | 459.8 | 495.5 | 558.9 | 566.8 | 697.6 | 856.2 | 895.8 | 907.7 | 915.6 |
| 75° | 257.6 | 297.3 | 372.6 | 432.0 | 475.6 | 479.6 | 570.8 | 697.6 | 725.4 | 733.3 | 737.2 |
| 77.5° | 206.1 | 277.5 | 273.5 | 348.8 | 388.4 | 380.5 | 447.9 | 539.1 | 562.8 | 562.8 | 562.8 |
| 80° | 154.6 | 218.0 | 206.1 | 249.7 | 285.4 | 277.5 | 321.1 | 384.5 | 392.4 | 400.3 | 396.4 |
| 82.5° | 114.9 | 138.7 | 138.7 | 158.5 | 190.3 | 182.3 | 214.0 | 249.7 | 249.7 | 249.7 | 257.6 |
| 85° | 71.3 | 79.3 | 63.4 | 83.2 | 107.0 | 103.1 | 118.9 | 134.8 | 138.7 | 138.7 | 130.8 |
| 87.5° | 43.6 | 35.7 | 19.8 | 31.7 | 47.6 | 47.6 | 55.5 | 59.5 | 55.5 | 55.5 | 55.5 |
| 90° | 32.4 | 22.5 | 12.5 | 22.5 | 32.4 | 34.9 | 54.9 | 81.5 | 94.8 | 84.3 | 63.2 |
| 92.5° | 219.6 | 134.7 | 49.9 | 134.7 | 219.6 | 240.8 | 338.6 | 468.9 | 534.1 | 468.1 | 336.1 |
| 95° | 430.4 | 275.1 | 119.8 | 275.1 | 430.4 | 469.2 | 833.1 | 1318.4 | 1561.0 | 1393.0 | 1056.9 |
| 97.5° | 481.1 | 344.1 | 207.1 | 344.1 | 481.1 | 515.4 | 1122.2 | 1931.3 | 2335.9 | 2229.7 | 2017.3 |
| 100° | 522.9 | 398.7 | 274.5 | 398.7 | 522.9 | 554.0 | 1227.4 | 2125.3 | 2574.3 | 2582.1 | 2597.6 |
| 102.5° | 563.7 | 447.8 | 331.9 | 447.8 | 563.7 | 592.7 | 1275.7 | 2186.4 | 2641.7 | 2777.0 | 3047.6 |
| 105° | 625.6 | 527.4 | 429.3 | 527.4 | 625.6 | 650.1 | 1311.5 | 2193.3 | 2634.2 | 2937.6 | 3544.3 |
| 107.5° | 712.1 | 620.6 | 529.1 | 620.6 | 712.1 | 735.0 | 1318.1 | 2095.6 | 2484.4 | 2907.6 | 3753.9 |
| 110° | 761.7 | 679.1 | 596.5 | 679.1 | 761.7 | 782.4 | 1308.1 | 2009.1 | 2359.6 | 2832.7 | 3778.8 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 820.1 | 741.4 | 662.6 | 741.4 | 820.1 | 839.8 | 1308.6 | 1933.6 | 2246.1 | 2730.3 | 3698.6 |
| 115° | 907.7 | 835.1 | 762.4 | 835.1 | 907.7 | 925.9 | 1320.6 | 1846.9 | 2110.1 | 2576.5 | 3509.3 |
| 117.5° | 993.0 | 927.0 | 861.0 | 927.0 | 993.0 | 1009.5 | 1345.2 | 1792.7 | 2016.5 | 2437.4 | 3279.3 |
| 120° | 1042.7 | 980.5 | 918.4 | 980.5 | 1042.7 | 1058.2 | 1365.2 | 1774.5 | 1979.1 | 2363.7 | 3132.9 |
| 122.5° | 1099.9 | 1037.3 | 974.6 | 1037.3 | 1099.9 | 1115.6 | 1393.9 | 1764.9 | 1950.4 | 2296.7 | 2989.4 |
| 125° | 1174.9 | 1117.8 | 1060.7 | 1117.8 | 1174.9 | 1189.2 | 1432.5 | 1757.0 | 1919.2 | 2213.4 | 2801.8 |
| 127.5° | 1245.9 | 1188.2 | 1130.5 | 1188.2 | 1245.9 | 1260.3 | 1471.2 | 1752.4 | 1893.0 | 2145.6 | 2650.8 |
| 130° | 1292.2 | 1230.1 | 1168.0 | 1230.1 | 1292.2 | 1307.7 | 1499.5 | 1755.2 | 1883.0 | 2107.9 | 2557.7 |
| 132.5° | 1330.9 | 1268.8 | 1206.7 | 1268.8 | 1330.9 | 1346.4 | 1522.3 | 1756.9 | 1874.2 | 2075.5 | 2478.2 |
| 135° | 1377.2 | 1320.6 | 1264.1 | 1320.6 | 1377.2 | 1391.3 | 1547.3 | 1755.3 | 1859.3 | 2027.9 | 2365.0 |
| 137.5° | 1434.7 | 1378.7 | 1322.7 | 1378.7 | 1434.7 | 1448.7 | 1584.7 | 1766.1 | 1856.8 | 1999.3 | 2284.4 |
| 140° | 1474.5 | 1423.0 | 1371.4 | 1423.0 | 1474.5 | 1487.4 | 1607.6 | 1767.9 | 1848.0 | 1971.1 | 2217.4 |
| 142.5° | 1504.2 | 1456.5 | 1408.8 | 1456.5 | 1504.2 | 1516.1 | 1626.7 | 1774.2 | 1848.0 | 1956.2 | 2172.5 |
| 145° | 1549.4 | 1507.8 | 1466.2 | 1507.8 | 1549.4 | 1559.8 | 1651.7 | 1774.3 | 1835.6 | 1924.0 | 2100.9 |
| 147.5° | 1604.6 | 1564.1 | 1523.6 | 1564.1 | 1604.6 | 1614.7 | 1688.3 | 1786.5 | 1835.6 | 1905.2 | 2044.4 |
| 150° | 1634.2 | 1597.6 | 1561.0 | 1597.6 | 1634.2 | 1643.4 | 1707.5 | 1792.9 | 1835.6 | 1894.4 | 2011.9 |
| 152.5° | 1655.2 | 1627.4 | 1599.7 | 1627.4 | 1655.2 | 1662.1 | 1719.9 | 1797.0 | 1835.6 | 1885.8 | 1986.1 |
| 155° | 1698.2 | 1677.6 | 1657.1 | 1677.6 | 1698.2 | 1703.3 | 1747.4 | 1806.2 | 1835.6 | 1875.5 | 1955.3 |
| 157.5° | 1739.5 | 1719.5 | 1699.5 | 1719.5 | 1739.5 | 1744.5 | 1774.9 | 1815.4 | 1835.6 | 1866.6 | 1928.7 |
| 160° | 1759.3 | 1743.8 | 1728.2 | 1743.8 | 1759.3 | 1763.2 | 1787.3 | 1819.5 | 1835.6 | 1862.2 | 1915.4 |
| 162.5° | 1780.2 | 1768.5 | 1756.9 | 1768.5 | 1780.2 | 1783.1 | 1800.6 | 1823.9 | 1835.6 | 1858.0 | 1902.9 |
| 165° | 1809.2 | 1798.6 | 1788.1 | 1798.6 | 1809.2 | 1811.8 | 1819.7 | 1830.3 | 1835.6 | 1851.7 | 1883.8 |
| 167.5° | 1826.8 | 1821.8 | 1816.8 | 1821.8 | 1826.8 | 1828.1 | 1834.7 | 1843.6 | 1848.0 | 1858.6 | 1879.7 |
| 170° | 1845.6 | 1840.6 | 1835.6 | 1840.6 | 1845.6 | 1846.8 | 1847.2 | 1847.7 | 1848.0 | 1858.6 | 1879.7 |
| 172.5° | 1847.7 | 1846.6 | 1845.5 | 1846.6 | 1847.7 | 1848.0 | 1848.0 | 1848.0 | 1848.0 | 1856.3 | 1873.0 |
| 175° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1855.5 | 1850.5 | 1848.0 | 1853.3 | 1863.8 |
| 177.5° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1856.4 | 1852.5 | 1850.5 | 1854.7 | 1863.0 |
| 180° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |



TEST NUMBER: P935213
 CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 |
| 2.5° | 4043.0 | 4031.1 | 4046.9 | 4003.3 | 4046.9 | 4031.1 | 4043.0 | 4070.7 | 4046.9 | 4062.8 | 4078.7 |
| 5° | 3547.5 | 3527.7 | 3464.3 | 3412.8 | 3464.3 | 3527.7 | 3547.5 | 3630.8 | 3670.4 | 3741.7 | 3836.9 |
| 7.5° | 3171.0 | 3155.1 | 3139.3 | 3107.5 | 3139.3 | 3155.1 | 3171.0 | 3194.7 | 3234.4 | 3297.8 | 3369.2 |
| 10° | 3087.7 | 3091.7 | 3115.5 | 3111.5 | 3115.5 | 3091.7 | 3087.7 | 3079.8 | 3067.9 | 3079.8 | 3123.4 |
| 12.5° | 3301.8 | 3337.4 | 3468.2 | 3460.3 | 3468.2 | 3337.4 | 3301.8 | 3143.2 | 3036.2 | 3016.4 | 3024.3 |
| 15° | 3547.5 | 3559.4 | 3587.2 | 3591.1 | 3587.2 | 3559.4 | 3547.5 | 3484.1 | 3163.0 | 3024.3 | 2980.7 |
| 17.5° | 3571.3 | 3575.3 | 3595.1 | 3595.1 | 3595.1 | 3575.3 | 3571.3 | 3543.6 | 3436.5 | 3250.2 | 3004.5 |
| 20° | 3551.5 | 3559.4 | 3599.0 | 3607.0 | 3599.0 | 3559.4 | 3551.5 | 3515.8 | 3456.4 | 3389.0 | 3202.7 |
| 22.5° | 3543.6 | 3559.4 | 3591.1 | 3587.2 | 3591.1 | 3559.4 | 3543.6 | 3488.1 | 3436.5 | 3389.0 | 3313.7 |
| 25° | 3503.9 | 3503.9 | 3507.9 | 3511.8 | 3507.9 | 3503.9 | 3503.9 | 3460.3 | 3357.3 | 3345.4 | 3301.8 |
| 27.5° | 3420.7 | 3428.6 | 3452.4 | 3448.4 | 3452.4 | 3428.6 | 3420.7 | 3404.8 | 3293.8 | 3282.0 | 3250.2 |
| 30° | 3345.4 | 3337.4 | 3317.6 | 3301.8 | 3317.6 | 3337.4 | 3345.4 | 3321.6 | 3210.6 | 3178.9 | 3186.8 |
| 32.5° | 3218.5 | 3198.7 | 3178.9 | 3167.0 | 3178.9 | 3198.7 | 3218.5 | 3210.6 | 3127.4 | 3083.8 | 3091.7 |
| 35° | 3067.9 | 3071.9 | 3067.9 | 3056.0 | 3067.9 | 3071.9 | 3067.9 | 3075.8 | 3024.3 | 2984.7 | 2980.7 |
| 37.5° | 2960.9 | 2968.8 | 2964.9 | 2949.0 | 2964.9 | 2968.8 | 2960.9 | 2953.0 | 2881.6 | 2869.7 | 2877.7 |
| 40° | 2849.9 | 2853.9 | 2849.9 | 2838.0 | 2849.9 | 2853.9 | 2849.9 | 2834.1 | 2735.0 | 2738.9 | 2766.7 |
| 42.5° | 2742.9 | 2738.9 | 2727.0 | 2719.1 | 2727.0 | 2738.9 | 2742.9 | 2719.1 | 2592.3 | 2580.4 | 2631.9 |
| 45° | 2620.0 | 2624.0 | 2600.2 | 2588.3 | 2600.2 | 2624.0 | 2620.0 | 2604.2 | 2473.4 | 2441.6 | 2477.3 |
| 47.5° | 2497.1 | 2497.1 | 2477.3 | 2465.4 | 2477.3 | 2497.1 | 2497.1 | 2477.3 | 2338.6 | 2306.9 | 2326.7 |
| 50° | 2366.3 | 2362.4 | 2334.6 | 2330.7 | 2334.6 | 2362.4 | 2366.3 | 2354.4 | 2207.8 | 2180.0 | 2180.0 |
| 52.5° | 2215.7 | 2215.7 | 2219.7 | 2227.6 | 2219.7 | 2215.7 | 2215.7 | 2219.7 | 2088.9 | 2061.1 | 2053.2 |
| 55° | 2084.9 | 2088.9 | 2116.6 | 2124.5 | 2116.6 | 2088.9 | 2084.9 | 2084.9 | 1966.0 | 1938.3 | 1922.4 |
| 57.5° | 1950.1 | 1950.1 | 1970.0 | 1970.0 | 1970.0 | 1950.1 | 1950.1 | 1942.2 | 1827.3 | 1803.5 | 1795.6 |
| 60° | 1795.6 | 1803.5 | 1819.3 | 1815.4 | 1819.3 | 1803.5 | 1795.6 | 1787.6 | 1688.5 | 1672.7 | 1644.9 |
| 62.5° | 1633.0 | 1641.0 | 1644.9 | 1637.0 | 1644.9 | 1641.0 | 1633.0 | 1609.3 | 1549.8 | 1537.9 | 1502.2 |
| 65° | 1462.6 | 1470.5 | 1474.5 | 1466.6 | 1474.5 | 1470.5 | 1462.6 | 1450.7 | 1407.1 | 1387.3 | 1355.6 |
| 67.5° | 1288.2 | 1284.2 | 1280.3 | 1296.1 | 1280.3 | 1284.2 | 1288.2 | 1272.4 | 1244.6 | 1228.7 | 1185.1 |
| 70° | 1109.8 | 1109.8 | 1105.9 | 1113.8 | 1105.9 | 1109.8 | 1109.8 | 1097.9 | 1082.1 | 1070.2 | 1030.6 |
| 72.5° | 919.6 | 915.6 | 931.5 | 919.6 | 931.5 | 915.6 | 919.6 | 915.6 | 907.7 | 895.8 | 856.2 |
| 75° | 733.3 | 741.2 | 733.3 | 745.2 | 733.3 | 741.2 | 733.3 | 737.2 | 733.3 | 725.4 | 697.6 |
| 77.5° | 558.9 | 566.8 | 558.9 | 558.9 | 558.9 | 566.8 | 558.9 | 562.8 | 562.8 | 562.8 | 539.1 |
| 80° | 396.4 | 392.4 | 392.4 | 388.4 | 392.4 | 392.4 | 396.4 | 396.4 | 400.3 | 392.4 | 384.5 |
| 82.5° | 253.7 | 249.7 | 249.7 | 257.6 | 249.7 | 249.7 | 253.7 | 257.6 | 249.7 | 249.7 | 249.7 |
| 85° | 138.7 | 142.7 | 134.8 | 134.8 | 134.8 | 142.7 | 138.7 | 130.8 | 138.7 | 138.7 | 134.8 |
| 87.5° | 51.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 51.5 | 55.5 | 55.5 | 55.5 | 59.5 |
| 90° | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 63.2 | 84.3 | 94.8 | 81.5 |
| 92.5° | 237.1 | 227.7 | 189.9 | 152.2 | 189.9 | 227.7 | 237.1 | 336.1 | 468.1 | 534.1 | 468.9 |
| 95° | 804.8 | 776.2 | 662.0 | 547.8 | 662.0 | 776.2 | 804.8 | 1056.9 | 1393.0 | 1561.0 | 1318.4 |
| 97.5° | 1858.0 | 1803.7 | 1586.3 | 1368.9 | 1586.3 | 1803.7 | 1858.0 | 2017.3 | 2229.7 | 2335.9 | 1931.3 |
| 100° | 2609.2 | 2544.5 | 2285.5 | 2026.5 | 2285.5 | 2544.5 | 2609.2 | 2597.6 | 2582.1 | 2574.3 | 2125.3 |
| 102.5° | 3250.6 | 3195.1 | 2973.3 | 2751.5 | 2973.3 | 3195.1 | 3250.6 | 3047.6 | 2777.0 | 2641.7 | 2186.4 |
| 105° | 3999.3 | 3969.5 | 3850.2 | 3731.0 | 3850.2 | 3969.5 | 3999.3 | 3544.3 | 2937.6 | 2634.2 | 2193.3 |
| 107.5° | 4388.6 | 4395.8 | 4424.7 | 4453.5 | 4424.7 | 4395.8 | 4388.6 | 3753.9 | 2907.6 | 2484.4 | 2095.6 |
| 110° | 4488.4 | 4519.5 | 4643.7 | 4768.0 | 4643.7 | 4519.5 | 4488.4 | 3778.8 | 2832.7 | 2359.6 | 2009.1 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4424.8 | 4472.5 | 4663.3 | 4854.1 | 4663.3 | 4472.5 | 4424.8 | 3698.6 | 2730.3 | 2246.1 | 1933.6 |
| 115° | 4208.9 | 4275.0 | 4539.6 | 4804.1 | 4539.6 | 4275.0 | 4208.9 | 3509.3 | 2576.5 | 2110.1 | 1846.9 |
| 117.5° | 3910.7 | 3984.0 | 4277.4 | 4570.8 | 4277.4 | 3984.0 | 3910.7 | 3279.3 | 2437.4 | 2016.5 | 1792.7 |
| 120° | 3709.8 | 3781.1 | 4066.1 | 4351.2 | 4066.1 | 3781.1 | 3709.8 | 3132.9 | 2363.7 | 1979.1 | 1774.5 |
| 122.5° | 3508.9 | 3579.2 | 3860.3 | 4141.5 | 3860.3 | 3579.2 | 3508.9 | 2989.4 | 2296.7 | 1950.4 | 1764.9 |
| 125° | 3243.1 | 3307.8 | 3566.8 | 3825.8 | 3566.8 | 3307.8 | 3243.1 | 2801.8 | 2213.4 | 1919.2 | 1757.0 |
| 127.5° | 3029.7 | 3084.3 | 3302.9 | 3521.4 | 3302.9 | 3084.3 | 3029.7 | 2650.8 | 2145.6 | 1893.0 | 1752.4 |
| 130° | 2895.0 | 2945.5 | 3147.3 | 3349.2 | 3147.3 | 2945.5 | 2895.0 | 2557.7 | 2107.9 | 1883.0 | 1755.2 |
| 132.5° | 2780.2 | 2825.4 | 3006.2 | 3187.0 | 3006.2 | 2825.4 | 2780.2 | 2478.2 | 2075.5 | 1874.2 | 1756.9 |
| 135° | 2617.9 | 2656.9 | 2812.7 | 2968.6 | 2812.7 | 2656.9 | 2617.9 | 2365.0 | 2027.9 | 1859.3 | 1755.3 |
| 137.5° | 2498.2 | 2530.1 | 2657.6 | 2785.2 | 2657.6 | 2530.1 | 2498.2 | 2284.4 | 1999.3 | 1856.8 | 1766.1 |
| 140° | 2402.1 | 2431.9 | 2551.2 | 2670.4 | 2551.2 | 2431.9 | 2402.1 | 2217.4 | 1971.1 | 1848.0 | 1767.9 |
| 142.5° | 2334.7 | 2360.3 | 2462.9 | 2565.5 | 2462.9 | 2360.3 | 2334.7 | 2172.5 | 1956.2 | 1848.0 | 1774.2 |
| 145° | 2233.6 | 2253.0 | 2330.7 | 2408.3 | 2330.7 | 2253.0 | 2233.6 | 2100.9 | 1924.0 | 1835.6 | 1774.3 |
| 147.5° | 2148.8 | 2164.9 | 2229.2 | 2293.5 | 2229.2 | 2164.9 | 2148.8 | 2044.4 | 1905.2 | 1835.6 | 1786.5 |
| 150° | 2100.1 | 2113.1 | 2165.3 | 2217.4 | 2165.3 | 2113.1 | 2100.1 | 2011.9 | 1894.4 | 1835.6 | 1792.9 |
| 152.5° | 2061.4 | 2071.2 | 2110.6 | 2150.0 | 2110.6 | 2071.2 | 2061.4 | 1986.1 | 1885.8 | 1835.6 | 1797.0 |
| 155° | 2015.2 | 2021.7 | 2047.8 | 2073.9 | 2047.8 | 2021.7 | 2015.2 | 1955.3 | 1875.5 | 1835.6 | 1806.2 |
| 157.5° | 1975.3 | 1979.9 | 1998.2 | 2016.5 | 1998.2 | 1979.9 | 1975.3 | 1928.7 | 1866.6 | 1835.6 | 1815.4 |
| 160° | 1955.3 | 1957.9 | 1968.5 | 1979.1 | 1968.5 | 1957.9 | 1955.3 | 1915.4 | 1862.2 | 1835.6 | 1819.5 |
| 162.5° | 1936.6 | 1939.1 | 1949.1 | 1959.1 | 1949.1 | 1939.1 | 1936.6 | 1902.9 | 1858.0 | 1835.6 | 1823.9 |
| 165° | 1907.9 | 1910.5 | 1921.1 | 1931.6 | 1921.1 | 1910.5 | 1907.9 | 1883.8 | 1851.7 | 1835.6 | 1830.3 |
| 167.5° | 1895.5 | 1896.6 | 1901.0 | 1905.4 | 1901.0 | 1896.6 | 1895.5 | 1879.7 | 1858.6 | 1848.0 | 1843.6 |
| 170° | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1895.5 | 1879.7 | 1858.6 | 1848.0 | 1847.7 |
| 172.5° | 1885.5 | 1884.5 | 1880.6 | 1876.7 | 1880.6 | 1884.5 | 1885.5 | 1873.0 | 1856.3 | 1848.0 | 1848.0 |
| 175° | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1871.7 | 1863.8 | 1853.3 | 1848.0 | 1850.5 |
| 177.5° | 1869.2 | 1868.1 | 1863.7 | 1859.3 | 1863.7 | 1868.1 | 1869.2 | 1863.0 | 1854.7 | 1850.5 | 1852.5 |
| 180° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4189.6 | 4189.6 | 4189.6 | 4189.6 | 4189.6 |
| 2.5° | 4138.1 | 4157.9 | 4169.8 | 4185.7 | 4225.3 |
| 5° | 3979.6 | 4054.9 | 4078.7 | 4138.1 | 4209.5 |
| 7.5° | 3630.8 | 3860.7 | 3924.1 | 4066.8 | 4177.7 |
| 10° | 3293.8 | 3523.7 | 3634.7 | 3971.6 | 4138.1 |
| 12.5° | 3123.4 | 3258.2 | 3333.5 | 3805.2 | 4082.6 |
| 15° | 3016.4 | 3111.5 | 3167.0 | 3583.2 | 4019.2 |
| 17.5° | 2933.1 | 3000.5 | 3040.2 | 3365.2 | 3932.0 |
| 20° | 2881.6 | 2913.3 | 2949.0 | 3206.6 | 3832.9 |
| 22.5° | 2845.9 | 2826.1 | 2853.9 | 3095.7 | 3698.1 |
| 25° | 2822.2 | 2746.9 | 2778.6 | 3008.5 | 3539.6 |
| 27.5° | 2842.0 | 2675.5 | 2687.4 | 2929.2 | 3373.1 |
| 30° | 2845.9 | 2588.3 | 2592.3 | 2845.9 | 3186.8 |
| 32.5° | 2818.2 | 2497.1 | 2501.1 | 2742.9 | 2976.7 |
| 35° | 2750.8 | 2390.1 | 2386.2 | 2624.0 | 2691.4 |
| 37.5° | 2659.6 | 2275.2 | 2275.2 | 2493.2 | 2378.2 |
| 40° | 2548.7 | 2160.2 | 2172.1 | 2322.7 | 2100.8 |
| 42.5° | 2413.9 | 2037.3 | 2053.2 | 2096.8 | 1894.7 |
| 45° | 2267.2 | 1918.4 | 1930.3 | 1771.8 | 1736.1 |
| 47.5° | 2104.7 | 1795.6 | 1799.5 | 1470.5 | 1684.6 |
| 50° | 1910.5 | 1668.7 | 1652.9 | 1260.5 | 1680.6 |
| 52.5° | 1740.1 | 1530.0 | 1482.4 | 1141.5 | 1526.0 |
| 55° | 1573.6 | 1383.3 | 1280.3 | 1050.4 | 1415.0 |
| 57.5° | 1426.9 | 1193.1 | 1094.0 | 943.4 | 1391.3 |
| 60° | 1292.2 | 1006.8 | 931.5 | 828.4 | 1276.3 |
| 62.5° | 1181.2 | 868.1 | 852.2 | 749.1 | 1157.4 |
| 65° | 1062.3 | 772.9 | 769.0 | 681.8 | 983.0 |
| 67.5° | 947.3 | 709.5 | 705.5 | 618.3 | 749.1 |
| 70° | 824.5 | 642.1 | 634.2 | 551.0 | 554.9 |
| 72.5° | 697.6 | 566.8 | 558.9 | 495.5 | 459.8 |
| 75° | 570.8 | 479.6 | 475.6 | 432.0 | 372.6 |
| 77.5° | 447.9 | 380.5 | 388.4 | 348.8 | 273.5 |
| 80° | 321.1 | 277.5 | 285.4 | 249.7 | 206.1 |
| 82.5° | 214.0 | 182.3 | 190.3 | 158.5 | 138.7 |
| 85° | 118.9 | 103.1 | 107.0 | 83.2 | 63.4 |
| 87.5° | 55.5 | 47.6 | 47.6 | 31.7 | 19.8 |
| 90° | 54.9 | 34.9 | 32.4 | 22.5 | 12.5 |
| 92.5° | 338.6 | 240.8 | 219.6 | 134.7 | 49.9 |
| 95° | 833.1 | 469.2 | 430.4 | 275.1 | 119.8 |
| 97.5° | 1122.2 | 515.4 | 481.1 | 344.1 | 207.1 |
| 100° | 1227.4 | 554.0 | 522.9 | 398.7 | 274.5 |
| 102.5° | 1275.7 | 592.7 | 563.7 | 447.8 | 331.9 |
| 105° | 1311.5 | 650.1 | 625.6 | 527.4 | 429.3 |
| 107.5° | 1318.1 | 735.0 | 712.1 | 620.6 | 529.1 |
| 110° | 1308.1 | 782.4 | 761.7 | 679.1 | 596.5 |



TEST NUMBER: P935213

CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1308.6 | 839.8 | 820.1 | 741.4 | 662.6 |
| 115° | 1320.6 | 925.9 | 907.7 | 835.1 | 762.4 |
| 117.5° | 1345.2 | 1009.5 | 993.0 | 927.0 | 861.0 |
| 120° | 1365.2 | 1058.2 | 1042.7 | 980.5 | 918.4 |
| 122.5° | 1393.9 | 1115.6 | 1099.9 | 1037.3 | 974.6 |
| 125° | 1432.5 | 1189.2 | 1174.9 | 1117.8 | 1060.7 |
| 127.5° | 1471.2 | 1260.3 | 1245.9 | 1188.2 | 1130.5 |
| 130° | 1499.5 | 1307.7 | 1292.2 | 1230.1 | 1168.0 |
| 132.5° | 1522.3 | 1346.4 | 1330.9 | 1268.8 | 1206.7 |
| 135° | 1547.3 | 1391.3 | 1377.2 | 1320.6 | 1264.1 |
| 137.5° | 1584.7 | 1448.7 | 1434.7 | 1378.7 | 1322.7 |
| 140° | 1607.6 | 1487.4 | 1474.5 | 1423.0 | 1371.4 |
| 142.5° | 1626.7 | 1516.1 | 1504.2 | 1456.5 | 1408.8 |
| 145° | 1651.7 | 1559.8 | 1549.4 | 1507.8 | 1466.2 |
| 147.5° | 1688.3 | 1614.7 | 1604.6 | 1564.1 | 1523.6 |
| 150° | 1707.5 | 1643.4 | 1634.2 | 1597.6 | 1561.0 |
| 152.5° | 1719.9 | 1662.1 | 1655.2 | 1627.4 | 1599.7 |
| 155° | 1747.4 | 1703.3 | 1698.2 | 1677.6 | 1657.1 |
| 157.5° | 1774.9 | 1744.5 | 1739.5 | 1719.5 | 1699.5 |
| 160° | 1787.3 | 1763.2 | 1759.3 | 1743.8 | 1728.2 |
| 162.5° | 1800.6 | 1783.1 | 1780.2 | 1768.5 | 1756.9 |
| 165° | 1819.7 | 1811.8 | 1809.2 | 1798.6 | 1788.1 |
| 167.5° | 1834.7 | 1828.1 | 1826.8 | 1821.8 | 1816.8 |
| 170° | 1847.2 | 1846.8 | 1845.6 | 1840.6 | 1835.6 |
| 172.5° | 1848.0 | 1848.0 | 1847.7 | 1846.6 | 1845.5 |
| 175° | 1855.5 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |
| 177.5° | 1856.4 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |
| 180° | 1859.3 | 1859.3 | 1859.3 | 1859.3 | 1859.3 |



TEST NUMBER: P935213
 CATALOG NUMBER: SQ4-FA-100U-100D-835-1D-UNV-STD-W-12

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 13.47 | 14.31 | 14.45 | 15.30 | 16.61 | 16.32 | 17.16 | 17.30 | 18.15 | 19.46 |
| | 3H | 13.94 | 14.70 | 14.93 | 15.70 | 17.03 | 17.67 | 18.42 | 18.66 | 19.42 | 20.75 |
| | 4H | 14.13 | 14.85 | 15.14 | 15.85 | 17.19 | 18.12 | 18.83 | 19.12 | 19.83 | 21.17 |
| | 6H | 14.25 | 14.91 | 15.27 | 15.92 | 17.27 | 18.41 | 19.06 | 19.42 | 20.07 | 21.42 |
| | 8H | 14.25 | 14.88 | 15.27 | 15.90 | 17.25 | 18.48 | 19.11 | 19.50 | 20.13 | 21.48 |
| | 12H | 14.22 | 14.82 | 15.25 | 15.84 | 17.21 | 18.53 | 19.12 | 19.55 | 20.14 | 21.51 |
| 4H | 2H | 14.50 | 15.21 | 15.51 | 16.22 | 17.56 | 16.73 | 17.44 | 17.74 | 18.44 | 19.78 |
| | 3H | 15.53 | 16.12 | 16.55 | 17.16 | 18.51 | 18.24 | 18.83 | 19.25 | 19.86 | 21.21 |
| | 4H | 15.80 | 16.35 | 16.83 | 17.37 | 18.75 | 18.77 | 19.31 | 19.79 | 20.34 | 21.71 |
| | 6H | 15.93 | 16.39 | 16.96 | 17.44 | 18.81 | 19.14 | 19.60 | 20.17 | 20.65 | 22.02 |
| | 8H | 15.93 | 16.37 | 16.97 | 17.41 | 18.80 | 19.25 | 19.68 | 20.28 | 20.72 | 22.11 |
| | 12H | 15.90 | 16.29 | 16.95 | 17.35 | 18.74 | 19.31 | 19.70 | 20.36 | 20.76 | 22.15 |
| 8H | 4H | 16.26 | 16.69 | 17.30 | 17.74 | 19.12 | 18.89 | 19.32 | 19.93 | 20.37 | 21.75 |
| | 6H | 16.52 | 16.88 | 17.58 | 17.96 | 19.35 | 19.33 | 19.69 | 20.39 | 20.77 | 22.16 |
| | 8H | 16.56 | 16.88 | 17.63 | 17.95 | 19.35 | 19.49 | 19.80 | 20.55 | 20.87 | 22.27 |
| | 12H | 16.54 | 16.82 | 17.62 | 17.89 | 19.33 | 19.59 | 19.87 | 20.66 | 20.93 | 22.37 |
| 12H | 4H | 16.26 | 16.66 | 17.32 | 17.72 | 19.11 | 18.85 | 19.25 | 19.91 | 20.30 | 21.69 |
| | 6H | 16.58 | 16.90 | 17.65 | 17.97 | 19.37 | 19.33 | 19.64 | 20.40 | 20.71 | 22.11 |
| | 8H | 16.65 | 16.93 | 17.72 | 17.99 | 19.43 | 19.49 | 19.77 | 20.56 | 20.83 | 22.28 |