

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: P935228

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935228
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-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

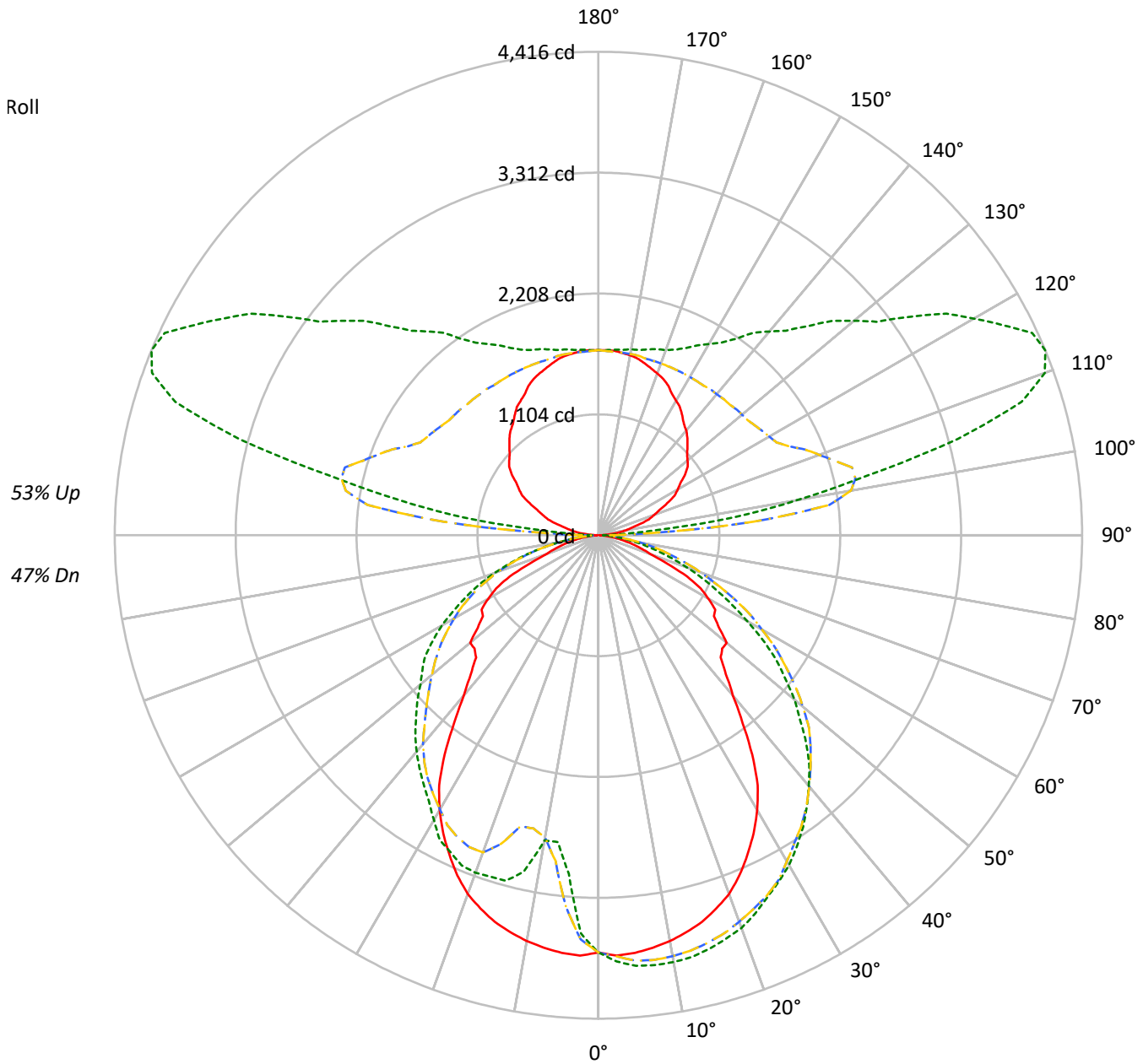
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20851.6 lumens
Efficiency: N/A
Efficacy: 119.8 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: P935228
CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 11788 | 11788 | 11788 | 11788 |
| 5° | 11880 | 11899 | 11880 | 9357 |
| 10° | 11805 | 11721 | 11805 | 8380 |
| 15° | 11681 | 11467 | 11681 | 9576 |
| 20° | 11441 | 11167 | 11441 | 9596 |
| 25° | 10946 | 10728 | 10946 | 9392 |
| 30° | 10304 | 10364 | 10304 | 8946 |
| 35° | 9191 | 9903 | 9191 | 8455 |
| 40° | 7663 | 9360 | 7663 | 8084 |
| 45° | 6851 | 8725 | 6851 | 7658 |
| 50° | 7284 | 7968 | 7284 | 7231 |
| 55° | 6859 | 7152 | 6859 | 6983 |
| 60° | 7080 | 6074 | 7080 | 6396 |
| 65° | 6430 | 5021 | 6430 | 5613 |
| 70° | 4463 | 4002 | 4463 | 4705 |
| 75° | 3928 | 2958 | 3928 | 3543 |
| 80° | 3189 | 1956 | 3189 | 2129 |
| 85° | 1870 | 1036 | 1870 | 881 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10493 cd/sqm



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 344.0 | 1.6 |
| 10°-20° | 976.8 | 4.7 |
| 20°-30° | 1509.9 | 7.2 |
| 30°-40° | 1802.5 | 8.6 |
| 40°-50° | 1813.0 | 8.7 |
| 50°-60° | 1577.6 | 7.6 |
| 60°-70° | 1118.5 | 5.4 |
| 70°-80° | 591.8 | 2.8 |
| 80°-90° | 153.8 | 0.7 |
| 90°-100° | 824.4 | 4.0 |
| 100°-110° | 2167.4 | 10.4 |
| 110°-120° | 2247.4 | 10.8 |
| 120°-130° | 1802.7 | 8.6 |
| 130°-140° | 1414.5 | 6.8 |
| 140°-150° | 1085.6 | 5.2 |
| 150°-160° | 781.8 | 3.7 |
| 160°-170° | 478.4 | 2.3 |
| 170°-180° | 161.6 | 0.8 |
| 0°-30° | 2830.7 | 13.6 |
| 0°-40° | 4633.1 | 22.2 |
| 0°-60° | 8023.7 | 38.5 |
| 0°-90° | 9887.8 | 47.4 |
| 90°-120° | 5239.2 | 25.1 |
| 90°-150° | 9541.9 | 45.8 |
| 90°-180° | 10964.0 | 52.6 |
| 0°-180° | 20851.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3811 | 3811 | 3811 | 3811 | 3811 | |
| 5° | 3829 | 3948 | 3829 | 3104 | 3829 | 363 |
| 15° | 3656 | 3912 | 3656 | 3267 | 3656 | 1029 |
| 25° | 3220 | 3649 | 3220 | 3194 | 3220 | 1478 |
| 35° | 2448 | 3256 | 2448 | 2780 | 2448 | 1515 |
| 45° | 1579 | 2682 | 1579 | 2354 | 1579 | 1265 |
| 55° | 1287 | 1980 | 1287 | 1932 | 1287 | 1183 |
| 65° | 894 | 1193 | 894 | 1334 | 894 | 855 |
| 75° | 339 | 566 | 339 | 678 | 339 | 356 |
| 85° | 58 | 144 | 58 | 123 | 58 | 78 |
| 90° | 11 | 43 | 11 | 43 | 11 | 12 |
| 95° | 109 | 498 | 109 | 498 | 109 | 121 |
| 105° | 390 | 3394 | 390 | 3394 | 390 | 414 |
| 115° | 694 | 4370 | 694 | 4370 | 694 | 685 |
| 125° | 965 | 3480 | 965 | 3480 | 965 | 857 |
| 135° | 1150 | 2700 | 1150 | 2700 | 1150 | 890 |
| 145° | 1334 | 2191 | 1334 | 2191 | 1334 | 836 |
| 155° | 1507 | 1886 | 1507 | 1886 | 1507 | 693 |
| 165° | 1626 | 1757 | 1626 | 1757 | 1626 | 459 |
| 175° | 1691 | 1703 | 1691 | 1703 | 1691 | 161 |
| 180° | 1691 | 1691 | 1691 | 1691 | 1691 | |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 |
| 2.5° | 3843.5 | 3843.5 | 3865.1 | 3872.3 | 3872.3 | 3861.5 | 3850.7 | 3861.5 | 3894.0 | 3904.8 | 3901.2 |
| 5° | 3829.1 | 3858.0 | 3897.6 | 3904.8 | 3912.0 | 3908.4 | 3901.2 | 3908.4 | 3944.5 | 3951.6 | 3955.3 |
| 7.5° | 3800.2 | 3854.3 | 3904.8 | 3915.6 | 3926.4 | 3915.6 | 3912.0 | 3919.3 | 3955.3 | 3962.5 | 3962.5 |
| 10° | 3764.2 | 3839.9 | 3897.6 | 3904.8 | 3915.6 | 3904.8 | 3904.8 | 3919.3 | 3955.3 | 3962.5 | 3966.1 |
| 12.5° | 3713.7 | 3818.3 | 3872.3 | 3879.6 | 3894.0 | 3890.3 | 3886.8 | 3901.2 | 3937.3 | 3944.5 | 3944.5 |
| 15° | 3656.0 | 3778.6 | 3829.1 | 3836.3 | 3861.5 | 3854.3 | 3854.3 | 3868.8 | 3908.4 | 3919.3 | 3915.6 |
| 17.5° | 3576.7 | 3728.1 | 3785.8 | 3796.6 | 3814.7 | 3811.0 | 3814.7 | 3829.1 | 3865.1 | 3872.3 | 3876.0 |
| 20° | 3486.5 | 3659.7 | 3728.1 | 3739.0 | 3757.0 | 3757.0 | 3757.0 | 3775.0 | 3811.0 | 3825.5 | 3825.5 |
| 22.5° | 3363.9 | 3587.5 | 3659.7 | 3666.8 | 3688.5 | 3688.5 | 3695.7 | 3720.9 | 3753.3 | 3757.0 | 3757.0 |
| 25° | 3219.8 | 3508.2 | 3569.5 | 3591.2 | 3612.7 | 3623.5 | 3634.4 | 3648.8 | 3659.7 | 3656.0 | 3659.7 |
| 27.5° | 3068.3 | 3407.2 | 3486.5 | 3501.0 | 3529.8 | 3540.7 | 3555.0 | 3558.7 | 3562.2 | 3573.1 | 3565.9 |
| 30° | 2898.8 | 3266.6 | 3385.6 | 3400.0 | 3446.9 | 3454.1 | 3439.7 | 3446.9 | 3464.9 | 3472.2 | 3479.4 |
| 32.5° | 2707.7 | 3057.5 | 3281.1 | 3313.4 | 3356.7 | 3335.1 | 3331.5 | 3342.4 | 3371.2 | 3371.2 | 3378.4 |
| 35° | 2448.2 | 2895.3 | 3183.7 | 3212.6 | 3244.9 | 3219.8 | 3234.1 | 3237.8 | 3255.8 | 3266.6 | 3263.0 |
| 37.5° | 2163.3 | 2754.7 | 3082.8 | 3104.4 | 3129.6 | 3097.1 | 3118.8 | 3129.6 | 3144.1 | 3136.8 | 3136.8 |
| 40° | 1911.0 | 2534.7 | 2963.8 | 2978.2 | 2999.8 | 2974.6 | 2996.2 | 3003.4 | 3010.6 | 3003.4 | 2999.8 |
| 42.5° | 1723.5 | 2293.1 | 2837.5 | 2855.6 | 2841.2 | 2859.2 | 2866.4 | 2880.8 | 2870.0 | 2855.6 | 2855.6 |
| 45° | 1579.2 | 2228.2 | 2700.5 | 2722.2 | 2700.5 | 2729.4 | 2740.2 | 2740.2 | 2707.7 | 2700.5 | 2697.0 |
| 47.5° | 1532.4 | 2098.4 | 2563.5 | 2563.5 | 2552.7 | 2588.7 | 2606.8 | 2581.5 | 2549.1 | 2538.3 | 2538.3 |
| 50° | 1528.7 | 1954.2 | 2376.1 | 2361.6 | 2412.1 | 2455.4 | 2437.4 | 2412.1 | 2386.9 | 2347.2 | 2347.2 |
| 52.5° | 1388.1 | 1777.5 | 2134.5 | 2188.6 | 2267.9 | 2293.1 | 2264.3 | 2239.1 | 2195.8 | 2177.8 | 2163.3 |
| 55° | 1287.1 | 1593.7 | 1914.5 | 2022.7 | 2105.6 | 2138.1 | 2084.0 | 2058.8 | 1993.8 | 1983.0 | 1975.8 |
| 57.5° | 1265.6 | 1326.8 | 1712.7 | 1849.7 | 1950.6 | 1947.0 | 1914.5 | 1867.7 | 1813.5 | 1802.8 | 1799.2 |
| 60° | 1161.0 | 959.0 | 1496.3 | 1658.5 | 1763.1 | 1752.3 | 1723.5 | 1680.2 | 1629.7 | 1622.5 | 1615.2 |
| 62.5° | 1052.8 | 695.9 | 1251.1 | 1435.0 | 1582.9 | 1579.2 | 1554.0 | 1489.1 | 1453.1 | 1435.0 | 1420.6 |
| 65° | 894.2 | 584.1 | 890.5 | 1193.4 | 1406.1 | 1413.4 | 1359.3 | 1312.4 | 1272.8 | 1251.1 | 1247.5 |
| 67.5° | 681.4 | 475.9 | 602.1 | 995.1 | 1236.7 | 1229.5 | 1161.0 | 1139.3 | 1088.8 | 1078.0 | 1056.5 |
| 70° | 504.8 | 317.3 | 418.3 | 807.7 | 1070.8 | 1052.8 | 998.7 | 973.5 | 926.6 | 901.4 | 887.0 |
| 72.5° | 418.3 | 256.0 | 306.5 | 627.4 | 901.4 | 879.7 | 832.9 | 804.0 | 764.4 | 742.7 | 728.3 |
| 75° | 338.9 | 270.4 | 234.3 | 465.1 | 731.9 | 717.5 | 674.2 | 645.4 | 612.9 | 584.1 | 587.7 |
| 77.5° | 248.8 | 252.4 | 187.5 | 342.6 | 580.5 | 558.9 | 533.6 | 497.6 | 483.1 | 454.3 | 454.3 |
| 80° | 187.5 | 198.3 | 140.6 | 234.3 | 418.3 | 418.3 | 396.6 | 371.4 | 346.1 | 331.7 | 331.7 |
| 82.5° | 126.2 | 126.2 | 104.5 | 147.8 | 284.8 | 274.0 | 259.6 | 252.4 | 238.0 | 230.8 | 230.8 |
| 85° | 57.7 | 72.1 | 64.9 | 90.1 | 155.0 | 162.3 | 162.3 | 155.0 | 151.5 | 144.2 | 147.8 |
| 87.5° | 18.0 | 32.5 | 39.7 | 50.5 | 79.3 | 83.0 | 86.5 | 86.5 | 86.5 | 90.1 | 90.1 |
| 90° | 11.4 | 20.5 | 29.5 | 31.7 | 49.9 | 74.1 | 86.2 | 76.7 | 57.5 | 43.1 | 43.1 |
| 92.5° | 45.4 | 122.5 | 199.8 | 219.0 | 308.0 | 426.5 | 485.8 | 425.8 | 305.7 | 215.7 | 207.1 |
| 95° | 109.0 | 250.2 | 391.5 | 426.8 | 757.8 | 1199.3 | 1419.9 | 1267.1 | 961.4 | 732.1 | 706.1 |
| 97.5° | 188.4 | 313.0 | 437.6 | 468.8 | 1020.8 | 1756.8 | 2124.8 | 2028.2 | 1835.0 | 1690.1 | 1640.7 |
| 100° | 249.7 | 362.7 | 475.6 | 503.9 | 1116.5 | 1933.3 | 2341.7 | 2348.8 | 2362.9 | 2373.4 | 2314.6 |
| 102.5° | 301.9 | 407.3 | 512.8 | 539.1 | 1160.4 | 1988.8 | 2403.0 | 2526.1 | 2772.2 | 2956.9 | 2906.4 |
| 105° | 390.5 | 479.7 | 569.1 | 591.4 | 1193.0 | 1995.1 | 2396.2 | 2672.1 | 3224.0 | 3637.9 | 3610.8 |
| 107.5° | 481.3 | 564.5 | 647.8 | 668.6 | 1199.0 | 1906.2 | 2259.9 | 2644.9 | 3414.7 | 3992.0 | 3998.6 |
| 110° | 542.6 | 617.7 | 692.9 | 711.7 | 1189.9 | 1827.6 | 2146.4 | 2576.7 | 3437.3 | 4082.8 | 4111.1 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 602.7 | 674.4 | 746.0 | 763.9 | 1190.4 | 1758.9 | 2043.1 | 2483.6 | 3364.4 | 4025.0 | 4068.4 |
| 115° | 693.5 | 759.6 | 825.7 | 842.2 | 1201.3 | 1680.0 | 1919.4 | 2343.7 | 3192.2 | 3828.6 | 3888.7 |
| 117.5° | 783.2 | 843.2 | 903.3 | 918.3 | 1223.6 | 1630.7 | 1834.3 | 2217.1 | 2983.0 | 3557.3 | 3624.0 |
| 120° | 835.4 | 891.9 | 948.5 | 962.6 | 1241.8 | 1614.2 | 1800.3 | 2150.1 | 2849.8 | 3374.6 | 3439.4 |
| 122.5° | 886.5 | 943.6 | 1000.5 | 1014.8 | 1267.9 | 1605.4 | 1774.2 | 2089.2 | 2719.3 | 3191.8 | 3255.8 |
| 125° | 964.9 | 1016.8 | 1068.7 | 1081.7 | 1303.1 | 1598.2 | 1745.8 | 2013.4 | 2548.6 | 2950.0 | 3008.9 |
| 127.5° | 1028.3 | 1080.8 | 1133.3 | 1146.4 | 1338.3 | 1594.0 | 1721.9 | 1951.7 | 2411.3 | 2755.9 | 2805.6 |
| 130° | 1062.5 | 1118.9 | 1175.4 | 1189.5 | 1364.0 | 1596.6 | 1712.8 | 1917.4 | 2326.6 | 2633.4 | 2679.3 |
| 132.5° | 1097.7 | 1154.1 | 1210.6 | 1224.7 | 1384.7 | 1598.1 | 1704.8 | 1888.0 | 2254.3 | 2529.0 | 2570.1 |
| 135° | 1149.9 | 1201.3 | 1252.8 | 1265.6 | 1407.5 | 1596.7 | 1691.3 | 1844.7 | 2151.3 | 2381.3 | 2416.8 |
| 137.5° | 1203.2 | 1254.1 | 1305.1 | 1317.8 | 1441.5 | 1606.5 | 1689.0 | 1818.6 | 2078.0 | 2272.5 | 2301.5 |
| 140° | 1247.5 | 1294.4 | 1341.3 | 1353.0 | 1462.3 | 1608.1 | 1681.0 | 1793.0 | 2017.0 | 2185.0 | 2212.1 |
| 142.5° | 1281.5 | 1324.9 | 1368.3 | 1379.1 | 1479.7 | 1613.9 | 1681.0 | 1779.4 | 1976.2 | 2123.7 | 2147.0 |
| 145° | 1333.7 | 1371.6 | 1409.4 | 1418.9 | 1502.4 | 1614.0 | 1669.7 | 1750.1 | 1911.1 | 2031.8 | 2049.4 |
| 147.5° | 1385.9 | 1422.8 | 1459.6 | 1468.8 | 1535.7 | 1625.1 | 1669.7 | 1733.0 | 1859.7 | 1954.6 | 1969.3 |
| 150° | 1419.9 | 1453.2 | 1486.5 | 1494.9 | 1553.2 | 1630.9 | 1669.7 | 1723.2 | 1830.1 | 1910.3 | 1922.2 |
| 152.5° | 1455.1 | 1480.3 | 1505.6 | 1511.9 | 1564.5 | 1634.6 | 1669.7 | 1715.4 | 1806.6 | 1875.1 | 1884.0 |
| 155° | 1507.4 | 1526.0 | 1544.7 | 1549.4 | 1589.5 | 1643.0 | 1669.7 | 1706.0 | 1778.6 | 1833.1 | 1839.0 |
| 157.5° | 1545.9 | 1564.1 | 1582.3 | 1586.9 | 1614.5 | 1651.4 | 1669.7 | 1697.9 | 1754.4 | 1796.8 | 1801.0 |
| 160° | 1572.0 | 1586.2 | 1600.3 | 1603.9 | 1625.8 | 1655.1 | 1669.7 | 1693.9 | 1742.3 | 1778.6 | 1781.0 |
| 162.5° | 1598.1 | 1608.7 | 1619.3 | 1622.0 | 1637.9 | 1659.1 | 1669.7 | 1690.1 | 1730.9 | 1761.6 | 1763.9 |
| 165° | 1626.5 | 1636.1 | 1645.7 | 1648.1 | 1655.3 | 1664.9 | 1669.7 | 1684.4 | 1713.6 | 1735.5 | 1737.9 |
| 167.5° | 1652.6 | 1657.2 | 1661.7 | 1662.9 | 1668.9 | 1677.0 | 1681.0 | 1690.7 | 1709.8 | 1724.2 | 1725.2 |
| 170° | 1669.7 | 1674.3 | 1678.8 | 1679.9 | 1680.3 | 1680.7 | 1681.0 | 1690.7 | 1709.8 | 1724.2 | 1724.2 |
| 172.5° | 1678.7 | 1679.7 | 1680.7 | 1681.0 | 1681.0 | 1681.0 | 1681.0 | 1688.6 | 1703.8 | 1715.1 | 1714.2 |
| 175° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1687.8 | 1683.3 | 1681.0 | 1685.8 | 1695.4 | 1702.6 | 1702.6 |
| 177.5° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1688.7 | 1685.1 | 1683.3 | 1687.1 | 1694.7 | 1700.3 | 1699.3 |
| 180° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 |
| 2.5° | 3908.4 | 3897.6 | 3908.4 | 3901.2 | 3904.8 | 3894.0 | 3861.5 | 3850.7 | 3861.5 | 3872.3 | 3872.3 |
| 5° | 3955.3 | 3948.1 | 3955.3 | 3955.3 | 3951.6 | 3944.5 | 3908.4 | 3901.2 | 3908.4 | 3912.0 | 3904.8 |
| 7.5° | 3969.7 | 3958.9 | 3969.7 | 3962.5 | 3962.5 | 3955.3 | 3919.3 | 3912.0 | 3915.6 | 3926.4 | 3915.6 |
| 10° | 3969.7 | 3958.9 | 3969.7 | 3966.1 | 3962.5 | 3955.3 | 3919.3 | 3904.8 | 3904.8 | 3915.6 | 3904.8 |
| 12.5° | 3951.6 | 3944.5 | 3951.6 | 3944.5 | 3944.5 | 3937.3 | 3901.2 | 3886.8 | 3890.3 | 3894.0 | 3879.6 |
| 15° | 3922.8 | 3912.0 | 3922.8 | 3915.6 | 3919.3 | 3908.4 | 3868.8 | 3854.3 | 3854.3 | 3861.5 | 3836.3 |
| 17.5° | 3879.6 | 3865.1 | 3879.6 | 3876.0 | 3872.3 | 3865.1 | 3829.1 | 3814.7 | 3811.0 | 3814.7 | 3796.6 |
| 20° | 3829.1 | 3818.3 | 3829.1 | 3825.5 | 3825.5 | 3811.0 | 3775.0 | 3757.0 | 3757.0 | 3757.0 | 3739.0 |
| 22.5° | 3749.8 | 3739.0 | 3749.8 | 3757.0 | 3757.0 | 3753.3 | 3720.9 | 3695.7 | 3688.5 | 3688.5 | 3666.8 |
| 25° | 3659.7 | 3648.8 | 3659.7 | 3659.7 | 3656.0 | 3659.7 | 3648.8 | 3634.4 | 3623.5 | 3612.7 | 3591.2 |
| 27.5° | 3573.1 | 3565.9 | 3573.1 | 3565.9 | 3573.1 | 3562.2 | 3558.7 | 3555.0 | 3540.7 | 3529.8 | 3501.0 |
| 30° | 3486.5 | 3479.4 | 3486.5 | 3479.4 | 3472.2 | 3464.9 | 3446.9 | 3439.7 | 3454.1 | 3446.9 | 3400.0 |
| 32.5° | 3378.4 | 3371.2 | 3378.4 | 3378.4 | 3371.2 | 3371.2 | 3342.4 | 3331.5 | 3335.1 | 3356.7 | 3313.4 |
| 35° | 3266.6 | 3255.8 | 3266.6 | 3263.0 | 3266.6 | 3255.8 | 3237.8 | 3234.1 | 3219.8 | 3244.9 | 3212.6 |
| 37.5° | 3136.8 | 3126.0 | 3136.8 | 3136.8 | 3136.8 | 3144.1 | 3129.6 | 3118.8 | 3097.1 | 3129.6 | 3104.4 |
| 40° | 3003.4 | 2989.0 | 3003.4 | 2999.8 | 3003.4 | 3010.6 | 3003.4 | 2996.2 | 2974.6 | 2999.8 | 2978.2 |
| 42.5° | 2852.0 | 2848.3 | 2852.0 | 2855.6 | 2855.6 | 2870.0 | 2880.8 | 2866.4 | 2859.2 | 2841.2 | 2855.6 |
| 45° | 2689.7 | 2682.5 | 2689.7 | 2697.0 | 2700.5 | 2707.7 | 2740.2 | 2740.2 | 2729.4 | 2700.5 | 2722.2 |
| 47.5° | 2516.7 | 2498.7 | 2516.7 | 2538.3 | 2538.3 | 2549.1 | 2581.5 | 2606.8 | 2588.7 | 2552.7 | 2563.5 |
| 50° | 2332.8 | 2336.4 | 2332.8 | 2347.2 | 2347.2 | 2386.9 | 2412.1 | 2437.4 | 2455.4 | 2412.1 | 2361.6 |
| 52.5° | 2152.5 | 2148.9 | 2152.5 | 2163.3 | 2177.8 | 2195.8 | 2239.1 | 2264.3 | 2293.1 | 2267.9 | 2188.6 |
| 55° | 1972.2 | 1979.5 | 1972.2 | 1975.8 | 1983.0 | 1993.8 | 2058.8 | 2084.0 | 2138.1 | 2105.6 | 2022.7 |
| 57.5° | 1792.0 | 1781.2 | 1792.0 | 1799.2 | 1802.8 | 1813.5 | 1867.7 | 1914.5 | 1947.0 | 1950.6 | 1849.7 |
| 60° | 1582.9 | 1568.4 | 1582.9 | 1615.2 | 1622.5 | 1629.7 | 1680.2 | 1723.5 | 1752.3 | 1763.1 | 1658.5 |
| 62.5° | 1398.9 | 1373.7 | 1398.9 | 1420.6 | 1435.0 | 1453.1 | 1489.1 | 1554.0 | 1579.2 | 1582.9 | 1435.0 |
| 65° | 1204.3 | 1193.4 | 1204.3 | 1247.5 | 1251.1 | 1272.8 | 1312.4 | 1359.3 | 1413.4 | 1406.1 | 1193.4 |
| 67.5° | 1027.6 | 1027.6 | 1027.6 | 1056.5 | 1078.0 | 1088.8 | 1139.3 | 1161.0 | 1229.5 | 1236.7 | 995.1 |
| 70° | 865.3 | 861.7 | 865.3 | 887.0 | 901.4 | 926.6 | 973.5 | 998.7 | 1052.8 | 1070.8 | 807.7 |
| 72.5° | 710.3 | 706.7 | 710.3 | 728.3 | 742.7 | 764.4 | 804.0 | 832.9 | 879.7 | 901.4 | 627.4 |
| 75° | 573.3 | 566.1 | 573.3 | 587.7 | 584.1 | 612.9 | 645.4 | 674.2 | 717.5 | 731.9 | 465.1 |
| 77.5° | 439.9 | 439.9 | 439.9 | 454.3 | 454.3 | 483.1 | 497.6 | 533.6 | 558.9 | 580.5 | 342.6 |
| 80° | 328.1 | 324.5 | 328.1 | 331.7 | 331.7 | 346.1 | 371.4 | 396.6 | 418.3 | 418.3 | 234.3 |
| 82.5° | 230.8 | 223.5 | 230.8 | 230.8 | 230.8 | 238.0 | 252.4 | 259.6 | 274.0 | 284.8 | 147.8 |
| 85° | 144.2 | 144.2 | 144.2 | 147.8 | 144.2 | 151.5 | 155.0 | 162.3 | 162.3 | 155.0 | 90.1 |
| 87.5° | 93.8 | 90.1 | 93.8 | 90.1 | 90.1 | 86.5 | 86.5 | 86.5 | 83.0 | 79.3 | 50.5 |
| 90° | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 57.5 | 76.7 | 86.2 | 74.1 | 49.9 | 31.7 |
| 92.5° | 172.7 | 138.4 | 172.7 | 207.1 | 215.7 | 305.7 | 425.8 | 485.8 | 426.5 | 308.0 | 219.0 |
| 95° | 602.2 | 498.3 | 602.2 | 706.1 | 732.1 | 961.4 | 1267.1 | 1419.9 | 1199.3 | 757.8 | 426.8 |
| 97.5° | 1443.0 | 1245.2 | 1443.0 | 1640.7 | 1690.1 | 1835.0 | 2028.2 | 2124.8 | 1756.8 | 1020.8 | 468.8 |
| 100° | 2079.0 | 1843.4 | 2079.0 | 2314.6 | 2373.4 | 2362.9 | 2348.8 | 2341.7 | 1933.3 | 1116.5 | 503.9 |
| 102.5° | 2704.6 | 2502.9 | 2704.6 | 2906.4 | 2956.9 | 2772.2 | 2526.1 | 2403.0 | 1988.8 | 1160.4 | 539.1 |
| 105° | 3502.3 | 3393.9 | 3502.3 | 3610.8 | 3637.9 | 3224.0 | 2672.1 | 2396.2 | 1995.1 | 1193.0 | 591.4 |
| 107.5° | 4024.9 | 4051.1 | 4024.9 | 3998.6 | 3992.0 | 3414.7 | 2644.9 | 2259.9 | 1906.2 | 1199.0 | 668.6 |
| 110° | 4224.1 | 4337.1 | 4224.1 | 4111.1 | 4082.8 | 3437.3 | 2576.7 | 2146.4 | 1827.6 | 1189.9 | 711.7 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4241.9 | 4415.5 | 4241.9 | 4068.4 | 4025.0 | 3364.4 | 2483.6 | 2043.1 | 1758.9 | 1190.4 | 763.9 |
| 115° | 4129.4 | 4370.0 | 4129.4 | 3888.7 | 3828.6 | 3192.2 | 2343.7 | 1919.4 | 1680.0 | 1201.3 | 842.2 |
| 117.5° | 3890.9 | 4157.8 | 3890.9 | 3624.0 | 3557.3 | 2983.0 | 2217.1 | 1834.3 | 1630.7 | 1223.6 | 918.3 |
| 120° | 3698.7 | 3958.0 | 3698.7 | 3439.4 | 3374.6 | 2849.8 | 2150.1 | 1800.3 | 1614.2 | 1241.8 | 962.6 |
| 122.5° | 3511.5 | 3767.3 | 3511.5 | 3255.8 | 3191.8 | 2719.3 | 2089.2 | 1774.2 | 1605.4 | 1267.9 | 1014.8 |
| 125° | 3244.5 | 3480.1 | 3244.5 | 3008.9 | 2950.0 | 2548.6 | 2013.4 | 1745.8 | 1598.2 | 1303.1 | 1081.7 |
| 127.5° | 3004.4 | 3203.2 | 3004.4 | 2805.6 | 2755.9 | 2411.3 | 1951.7 | 1721.9 | 1594.0 | 1338.3 | 1146.4 |
| 130° | 2862.9 | 3046.6 | 2862.9 | 2679.3 | 2633.4 | 2326.6 | 1917.4 | 1712.8 | 1596.6 | 1364.0 | 1189.5 |
| 132.5° | 2734.6 | 2899.0 | 2734.6 | 2570.1 | 2529.0 | 2254.3 | 1888.0 | 1704.8 | 1598.1 | 1384.7 | 1224.7 |
| 135° | 2558.5 | 2700.3 | 2558.5 | 2416.8 | 2381.3 | 2151.3 | 1844.7 | 1691.3 | 1596.7 | 1407.5 | 1265.6 |
| 137.5° | 2417.5 | 2533.5 | 2417.5 | 2301.5 | 2272.5 | 2078.0 | 1818.6 | 1689.0 | 1606.5 | 1441.5 | 1317.8 |
| 140° | 2320.7 | 2429.1 | 2320.7 | 2212.1 | 2185.0 | 2017.0 | 1793.0 | 1681.0 | 1608.1 | 1462.3 | 1353.0 |
| 142.5° | 2240.3 | 2333.7 | 2240.3 | 2147.0 | 2123.7 | 1976.2 | 1779.4 | 1681.0 | 1613.9 | 1479.7 | 1379.1 |
| 145° | 2120.1 | 2190.7 | 2120.1 | 2049.4 | 2031.8 | 1911.1 | 1750.1 | 1669.7 | 1614.0 | 1502.4 | 1418.9 |
| 147.5° | 2027.8 | 2086.3 | 2027.8 | 1969.3 | 1954.6 | 1859.7 | 1733.0 | 1669.7 | 1625.1 | 1535.7 | 1468.8 |
| 150° | 1969.6 | 2017.0 | 1969.6 | 1922.2 | 1910.3 | 1830.1 | 1723.2 | 1669.7 | 1630.9 | 1553.2 | 1494.9 |
| 152.5° | 1919.9 | 1955.7 | 1919.9 | 1884.0 | 1875.1 | 1806.6 | 1715.4 | 1669.7 | 1634.6 | 1564.5 | 1511.9 |
| 155° | 1862.8 | 1886.5 | 1862.8 | 1839.0 | 1833.1 | 1778.6 | 1706.0 | 1669.7 | 1643.0 | 1589.5 | 1549.4 |
| 157.5° | 1817.6 | 1834.3 | 1817.6 | 1801.0 | 1796.8 | 1754.4 | 1697.9 | 1669.7 | 1651.4 | 1614.5 | 1586.9 |
| 160° | 1790.6 | 1800.3 | 1790.6 | 1781.0 | 1778.6 | 1742.3 | 1693.9 | 1669.7 | 1655.1 | 1625.8 | 1603.9 |
| 162.5° | 1773.0 | 1782.1 | 1773.0 | 1763.9 | 1761.6 | 1730.9 | 1690.1 | 1669.7 | 1659.1 | 1637.9 | 1622.0 |
| 165° | 1747.5 | 1757.1 | 1747.5 | 1737.9 | 1735.5 | 1713.6 | 1684.4 | 1669.7 | 1664.9 | 1655.3 | 1648.1 |
| 167.5° | 1729.2 | 1733.2 | 1729.2 | 1725.2 | 1724.2 | 1709.8 | 1690.7 | 1681.0 | 1677.0 | 1668.9 | 1662.9 |
| 170° | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1709.8 | 1690.7 | 1681.0 | 1680.7 | 1680.3 | 1679.9 |
| 172.5° | 1710.7 | 1707.1 | 1710.7 | 1714.2 | 1715.1 | 1703.8 | 1688.6 | 1681.0 | 1681.0 | 1681.0 | 1681.0 |
| 175° | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1695.4 | 1685.8 | 1681.0 | 1683.3 | 1687.8 | 1691.3 |
| 177.5° | 1695.3 | 1691.3 | 1695.3 | 1699.3 | 1700.3 | 1694.7 | 1687.1 | 1683.3 | 1685.1 | 1688.7 | 1691.3 |
| 180° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 |
| 2.5° | 3865.1 | 3843.5 | 3843.5 | 3807.5 | 3793.0 | 3782.2 | 3764.2 | 3710.1 | 3695.7 | 3681.2 | 3702.9 |
| 5° | 3897.6 | 3858.0 | 3829.1 | 3764.2 | 3710.1 | 3688.5 | 3620.0 | 3490.2 | 3403.6 | 3338.7 | 3302.7 |
| 7.5° | 3904.8 | 3854.3 | 3800.2 | 3699.3 | 3569.5 | 3511.8 | 3302.7 | 3064.7 | 2999.8 | 2942.1 | 2906.0 |
| 10° | 3897.6 | 3839.9 | 3764.2 | 3612.7 | 3306.3 | 3205.3 | 2996.2 | 2841.2 | 2801.5 | 2790.7 | 2801.5 |
| 12.5° | 3872.3 | 3818.3 | 3713.7 | 3461.4 | 3032.3 | 2963.8 | 2841.2 | 2751.0 | 2743.8 | 2761.8 | 2859.2 |
| 15° | 3829.1 | 3778.6 | 3656.0 | 3259.4 | 2880.8 | 2830.3 | 2743.8 | 2711.4 | 2751.0 | 2877.2 | 3169.3 |
| 17.5° | 3785.8 | 3728.1 | 3576.7 | 3061.1 | 2765.5 | 2729.4 | 2668.1 | 2733.0 | 2956.5 | 3126.0 | 3223.4 |
| 20° | 3728.1 | 3659.7 | 3486.5 | 2916.8 | 2682.5 | 2650.0 | 2621.2 | 2913.3 | 3082.8 | 3144.1 | 3198.1 |
| 22.5° | 3659.7 | 3587.5 | 3363.9 | 2816.0 | 2596.0 | 2570.7 | 2588.7 | 3014.3 | 3082.8 | 3126.0 | 3172.9 |
| 25° | 3569.5 | 3508.2 | 3219.8 | 2736.6 | 2527.5 | 2498.7 | 2567.2 | 3003.4 | 3043.1 | 3053.9 | 3147.6 |
| 27.5° | 3486.5 | 3407.2 | 3068.3 | 2664.5 | 2444.6 | 2433.7 | 2585.2 | 2956.5 | 2985.4 | 2996.2 | 3097.1 |
| 30° | 3385.6 | 3266.6 | 2898.8 | 2588.7 | 2358.1 | 2354.4 | 2588.7 | 2898.8 | 2891.6 | 2920.5 | 3021.5 |
| 32.5° | 3281.1 | 3057.5 | 2707.7 | 2495.0 | 2275.1 | 2271.5 | 2563.5 | 2812.3 | 2805.1 | 2844.8 | 2920.5 |
| 35° | 3183.7 | 2895.3 | 2448.2 | 2386.9 | 2170.6 | 2174.1 | 2502.2 | 2711.4 | 2715.0 | 2751.0 | 2797.9 |
| 37.5° | 3082.8 | 2754.7 | 2163.3 | 2267.9 | 2069.6 | 2069.6 | 2419.3 | 2617.7 | 2610.4 | 2621.2 | 2686.2 |
| 40° | 2963.8 | 2534.7 | 1911.0 | 2112.8 | 1975.8 | 1965.0 | 2318.4 | 2516.7 | 2491.4 | 2487.9 | 2578.0 |
| 42.5° | 2837.5 | 2293.1 | 1723.5 | 1907.3 | 1867.7 | 1853.2 | 2195.8 | 2394.1 | 2347.2 | 2358.1 | 2473.4 |
| 45° | 2700.5 | 2228.2 | 1579.2 | 1611.7 | 1755.9 | 1745.0 | 2062.3 | 2253.4 | 2221.0 | 2249.9 | 2368.9 |
| 47.5° | 2563.5 | 2098.4 | 1532.4 | 1337.6 | 1636.9 | 1633.3 | 1914.5 | 2116.5 | 2098.4 | 2127.3 | 2253.4 |
| 50° | 2376.1 | 1954.2 | 1528.7 | 1146.6 | 1503.5 | 1517.9 | 1737.9 | 1983.0 | 1983.0 | 2008.3 | 2141.6 |
| 52.5° | 2134.5 | 1777.5 | 1388.1 | 1038.4 | 1348.4 | 1391.7 | 1582.9 | 1867.7 | 1874.9 | 1900.1 | 2019.1 |
| 55° | 1914.5 | 1593.7 | 1287.1 | 955.5 | 1164.6 | 1258.3 | 1431.4 | 1748.7 | 1763.1 | 1788.3 | 1896.5 |
| 57.5° | 1712.7 | 1326.8 | 1265.6 | 858.2 | 995.1 | 1085.3 | 1298.0 | 1633.3 | 1640.5 | 1662.2 | 1766.7 |
| 60° | 1496.3 | 959.0 | 1161.0 | 753.5 | 847.3 | 915.8 | 1175.4 | 1496.3 | 1521.5 | 1535.9 | 1626.1 |
| 62.5° | 1251.1 | 695.9 | 1052.8 | 681.4 | 775.2 | 789.7 | 1074.5 | 1366.5 | 1398.9 | 1409.8 | 1463.9 |
| 65° | 890.5 | 584.1 | 894.2 | 620.2 | 699.5 | 703.1 | 966.3 | 1233.1 | 1261.9 | 1280.0 | 1319.6 |
| 67.5° | 602.1 | 475.9 | 681.4 | 562.4 | 641.7 | 645.4 | 861.7 | 1078.0 | 1117.7 | 1132.1 | 1157.4 |
| 70° | 418.3 | 317.3 | 504.8 | 501.2 | 576.9 | 584.1 | 750.0 | 937.5 | 973.5 | 984.3 | 998.7 |
| 72.5° | 306.5 | 256.0 | 418.3 | 450.7 | 508.4 | 515.6 | 634.6 | 778.8 | 814.9 | 825.7 | 832.9 |
| 75° | 234.3 | 270.4 | 338.9 | 393.0 | 432.6 | 436.3 | 519.2 | 634.6 | 659.9 | 667.0 | 670.6 |
| 77.5° | 187.5 | 252.4 | 248.8 | 317.3 | 353.3 | 346.1 | 407.4 | 490.4 | 511.9 | 511.9 | 511.9 |
| 80° | 140.6 | 198.3 | 187.5 | 227.1 | 259.6 | 252.4 | 292.1 | 349.8 | 356.9 | 364.1 | 360.6 |
| 82.5° | 104.5 | 126.2 | 126.2 | 144.2 | 173.1 | 165.8 | 194.7 | 227.1 | 227.1 | 227.1 | 234.3 |
| 85° | 64.9 | 72.1 | 57.7 | 75.7 | 97.3 | 93.8 | 108.2 | 122.6 | 126.2 | 126.2 | 119.0 |
| 87.5° | 39.7 | 32.5 | 18.0 | 28.8 | 43.3 | 43.3 | 50.5 | 54.1 | 50.5 | 50.5 | 50.5 |
| 90° | 29.5 | 20.5 | 11.4 | 20.5 | 29.5 | 31.7 | 49.9 | 74.1 | 86.2 | 76.7 | 57.5 |
| 92.5° | 199.8 | 122.5 | 45.4 | 122.5 | 199.8 | 219.0 | 308.0 | 426.5 | 485.8 | 425.8 | 305.7 |
| 95° | 391.5 | 250.2 | 109.0 | 250.2 | 391.5 | 426.8 | 757.8 | 1199.3 | 1419.9 | 1267.1 | 961.4 |
| 97.5° | 437.6 | 313.0 | 188.4 | 313.0 | 437.6 | 468.8 | 1020.8 | 1756.8 | 2124.8 | 2028.2 | 1835.0 |
| 100° | 475.6 | 362.7 | 249.7 | 362.7 | 475.6 | 503.9 | 1116.5 | 1933.3 | 2341.7 | 2348.8 | 2362.9 |
| 102.5° | 512.8 | 407.3 | 301.9 | 407.3 | 512.8 | 539.1 | 1160.4 | 1988.8 | 2403.0 | 2526.1 | 2772.2 |
| 105° | 569.1 | 479.7 | 390.5 | 479.7 | 569.1 | 591.4 | 1193.0 | 1995.1 | 2396.2 | 2672.1 | 3224.0 |
| 107.5° | 647.8 | 564.5 | 481.3 | 564.5 | 647.8 | 668.6 | 1199.0 | 1906.2 | 2259.9 | 2644.9 | 3414.7 |
| 110° | 692.9 | 617.7 | 542.6 | 617.7 | 692.9 | 711.7 | 1189.9 | 1827.6 | 2146.4 | 2576.7 | 3437.3 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 746.0 | 674.4 | 602.7 | 674.4 | 746.0 | 763.9 | 1190.4 | 1758.9 | 2043.1 | 2483.6 | 3364.4 |
| 115° | 825.7 | 759.6 | 693.5 | 759.6 | 825.7 | 842.2 | 1201.3 | 1680.0 | 1919.4 | 2343.7 | 3192.2 |
| 117.5° | 903.3 | 843.2 | 783.2 | 843.2 | 903.3 | 918.3 | 1223.6 | 1630.7 | 1834.3 | 2217.1 | 2983.0 |
| 120° | 948.5 | 891.9 | 835.4 | 891.9 | 948.5 | 962.6 | 1241.8 | 1614.2 | 1800.3 | 2150.1 | 2849.8 |
| 122.5° | 1000.5 | 943.6 | 886.5 | 943.6 | 1000.5 | 1014.8 | 1267.9 | 1605.4 | 1774.2 | 2089.2 | 2719.3 |
| 125° | 1068.7 | 1016.8 | 964.9 | 1016.8 | 1068.7 | 1081.7 | 1303.1 | 1598.2 | 1745.8 | 2013.4 | 2548.6 |
| 127.5° | 1133.3 | 1080.8 | 1028.3 | 1080.8 | 1133.3 | 1146.4 | 1338.3 | 1594.0 | 1721.9 | 1951.7 | 2411.3 |
| 130° | 1175.4 | 1118.9 | 1062.5 | 1118.9 | 1175.4 | 1189.5 | 1364.0 | 1596.6 | 1712.8 | 1917.4 | 2326.6 |
| 132.5° | 1210.6 | 1154.1 | 1097.7 | 1154.1 | 1210.6 | 1224.7 | 1384.7 | 1598.1 | 1704.8 | 1888.0 | 2254.3 |
| 135° | 1252.8 | 1201.3 | 1149.9 | 1201.3 | 1252.8 | 1265.6 | 1407.5 | 1596.7 | 1691.3 | 1844.7 | 2151.3 |
| 137.5° | 1305.1 | 1254.1 | 1203.2 | 1254.1 | 1305.1 | 1317.8 | 1441.5 | 1606.5 | 1689.0 | 1818.6 | 2078.0 |
| 140° | 1341.3 | 1294.4 | 1247.5 | 1294.4 | 1341.3 | 1353.0 | 1462.3 | 1608.1 | 1681.0 | 1793.0 | 2017.0 |
| 142.5° | 1368.3 | 1324.9 | 1281.5 | 1324.9 | 1368.3 | 1379.1 | 1479.7 | 1613.9 | 1681.0 | 1779.4 | 1976.2 |
| 145° | 1409.4 | 1371.6 | 1333.7 | 1371.6 | 1409.4 | 1418.9 | 1502.4 | 1614.0 | 1669.7 | 1750.1 | 1911.1 |
| 147.5° | 1459.6 | 1422.8 | 1385.9 | 1422.8 | 1459.6 | 1468.8 | 1535.7 | 1625.1 | 1669.7 | 1733.0 | 1859.7 |
| 150° | 1486.5 | 1453.2 | 1419.9 | 1453.2 | 1486.5 | 1494.9 | 1553.2 | 1630.9 | 1669.7 | 1723.2 | 1830.1 |
| 152.5° | 1505.6 | 1480.3 | 1455.1 | 1480.3 | 1505.6 | 1511.9 | 1564.5 | 1634.6 | 1669.7 | 1715.4 | 1806.6 |
| 155° | 1544.7 | 1526.0 | 1507.4 | 1526.0 | 1544.7 | 1549.4 | 1589.5 | 1643.0 | 1669.7 | 1706.0 | 1778.6 |
| 157.5° | 1582.3 | 1564.1 | 1545.9 | 1564.1 | 1582.3 | 1586.9 | 1614.5 | 1651.4 | 1669.7 | 1697.9 | 1754.4 |
| 160° | 1600.3 | 1586.2 | 1572.0 | 1586.2 | 1600.3 | 1603.9 | 1625.8 | 1655.1 | 1669.7 | 1693.9 | 1742.3 |
| 162.5° | 1619.3 | 1608.7 | 1598.1 | 1608.7 | 1619.3 | 1622.0 | 1637.9 | 1659.1 | 1669.7 | 1690.1 | 1730.9 |
| 165° | 1645.7 | 1636.1 | 1626.5 | 1636.1 | 1645.7 | 1648.1 | 1655.3 | 1664.9 | 1669.7 | 1684.4 | 1713.6 |
| 167.5° | 1661.7 | 1657.2 | 1652.6 | 1657.2 | 1661.7 | 1662.9 | 1668.9 | 1677.0 | 1681.0 | 1690.7 | 1709.8 |
| 170° | 1678.8 | 1674.3 | 1669.7 | 1674.3 | 1678.8 | 1679.9 | 1680.3 | 1680.7 | 1681.0 | 1690.7 | 1709.8 |
| 172.5° | 1680.7 | 1679.7 | 1678.7 | 1679.7 | 1680.7 | 1681.0 | 1681.0 | 1681.0 | 1681.0 | 1688.6 | 1703.8 |
| 175° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1687.8 | 1683.3 | 1681.0 | 1685.8 | 1695.4 |
| 177.5° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1688.7 | 1685.1 | 1683.3 | 1687.1 | 1694.7 |
| 180° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |



TEST NUMBER: P935228
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 |
| 2.5° | 3677.7 | 3666.8 | 3681.2 | 3641.5 | 3681.2 | 3666.8 | 3677.7 | 3702.9 | 3681.2 | 3695.7 | 3710.1 |
| 5° | 3226.9 | 3208.9 | 3151.3 | 3104.4 | 3151.3 | 3208.9 | 3226.9 | 3302.7 | 3338.7 | 3403.6 | 3490.2 |
| 7.5° | 2884.5 | 2870.0 | 2855.6 | 2826.7 | 2855.6 | 2870.0 | 2884.5 | 2906.0 | 2942.1 | 2999.8 | 3064.7 |
| 10° | 2808.7 | 2812.3 | 2834.0 | 2830.3 | 2834.0 | 2812.3 | 2808.7 | 2801.5 | 2790.7 | 2801.5 | 2841.2 |
| 12.5° | 3003.4 | 3035.8 | 3154.8 | 3147.6 | 3154.8 | 3035.8 | 3003.4 | 2859.2 | 2761.8 | 2743.8 | 2751.0 |
| 15° | 3226.9 | 3237.8 | 3263.0 | 3266.6 | 3263.0 | 3237.8 | 3226.9 | 3169.3 | 2877.2 | 2751.0 | 2711.4 |
| 17.5° | 3248.6 | 3252.2 | 3270.2 | 3270.2 | 3270.2 | 3252.2 | 3248.6 | 3223.4 | 3126.0 | 2956.5 | 2733.0 |
| 20° | 3230.6 | 3237.8 | 3273.8 | 3281.1 | 3273.8 | 3237.8 | 3230.6 | 3198.1 | 3144.1 | 3082.8 | 2913.3 |
| 22.5° | 3223.4 | 3237.8 | 3266.6 | 3263.0 | 3266.6 | 3237.8 | 3223.4 | 3172.9 | 3126.0 | 3082.8 | 3014.3 |
| 25° | 3187.3 | 3187.3 | 3190.9 | 3194.5 | 3190.9 | 3187.3 | 3187.3 | 3147.6 | 3053.9 | 3043.1 | 3003.4 |
| 27.5° | 3111.6 | 3118.8 | 3140.4 | 3136.8 | 3140.4 | 3118.8 | 3111.6 | 3097.1 | 2996.2 | 2985.4 | 2956.5 |
| 30° | 3043.1 | 3035.8 | 3017.8 | 3003.4 | 3017.8 | 3035.8 | 3043.1 | 3021.5 | 2920.5 | 2891.6 | 2898.8 |
| 32.5° | 2927.7 | 2909.7 | 2891.6 | 2880.8 | 2891.6 | 2909.7 | 2927.7 | 2920.5 | 2844.8 | 2805.1 | 2812.3 |
| 35° | 2790.7 | 2794.3 | 2790.7 | 2779.9 | 2790.7 | 2794.3 | 2790.7 | 2797.9 | 2751.0 | 2715.0 | 2711.4 |
| 37.5° | 2693.3 | 2700.5 | 2697.0 | 2682.5 | 2697.0 | 2700.5 | 2693.3 | 2686.2 | 2621.2 | 2610.4 | 2617.7 |
| 40° | 2592.4 | 2596.0 | 2592.4 | 2581.5 | 2592.4 | 2596.0 | 2592.4 | 2578.0 | 2487.9 | 2491.4 | 2516.7 |
| 42.5° | 2495.0 | 2491.4 | 2480.6 | 2473.4 | 2480.6 | 2491.4 | 2495.0 | 2473.4 | 2358.1 | 2347.2 | 2394.1 |
| 45° | 2383.2 | 2386.9 | 2365.2 | 2354.4 | 2365.2 | 2386.9 | 2383.2 | 2368.9 | 2249.9 | 2221.0 | 2253.4 |
| 47.5° | 2271.5 | 2271.5 | 2253.4 | 2242.6 | 2253.4 | 2271.5 | 2271.5 | 2253.4 | 2127.3 | 2098.4 | 2116.5 |
| 50° | 2152.5 | 2148.9 | 2123.6 | 2120.1 | 2123.6 | 2148.9 | 2152.5 | 2141.6 | 2008.3 | 1983.0 | 1983.0 |
| 52.5° | 2015.5 | 2015.5 | 2019.1 | 2026.3 | 2019.1 | 2015.5 | 2015.5 | 2019.1 | 1900.1 | 1874.9 | 1867.7 |
| 55° | 1896.5 | 1900.1 | 1925.3 | 1932.5 | 1925.3 | 1900.1 | 1896.5 | 1896.5 | 1788.3 | 1763.1 | 1748.7 |
| 57.5° | 1773.9 | 1773.9 | 1792.0 | 1792.0 | 1792.0 | 1773.9 | 1773.9 | 1766.7 | 1662.2 | 1640.5 | 1633.3 |
| 60° | 1633.3 | 1640.5 | 1654.9 | 1651.4 | 1654.9 | 1640.5 | 1633.3 | 1626.1 | 1535.9 | 1521.5 | 1496.3 |
| 62.5° | 1485.4 | 1492.7 | 1496.3 | 1489.1 | 1496.3 | 1492.7 | 1485.4 | 1463.9 | 1409.8 | 1398.9 | 1366.5 |
| 65° | 1330.4 | 1337.6 | 1341.3 | 1334.1 | 1341.3 | 1337.6 | 1330.4 | 1319.6 | 1280.0 | 1261.9 | 1233.1 |
| 67.5° | 1171.8 | 1168.2 | 1164.6 | 1179.0 | 1164.6 | 1168.2 | 1171.8 | 1157.4 | 1132.1 | 1117.7 | 1078.0 |
| 70° | 1009.5 | 1009.5 | 1006.0 | 1013.2 | 1006.0 | 1009.5 | 1009.5 | 998.7 | 984.3 | 973.5 | 937.5 |
| 72.5° | 836.5 | 832.9 | 847.3 | 836.5 | 847.3 | 832.9 | 836.5 | 832.9 | 825.7 | 814.9 | 778.8 |
| 75° | 667.0 | 674.2 | 667.0 | 677.9 | 667.0 | 674.2 | 667.0 | 670.6 | 667.0 | 659.9 | 634.6 |
| 77.5° | 508.4 | 515.6 | 508.4 | 508.4 | 508.4 | 515.6 | 508.4 | 511.9 | 511.9 | 511.9 | 490.4 |
| 80° | 360.6 | 356.9 | 356.9 | 353.3 | 356.9 | 356.9 | 360.6 | 360.6 | 364.1 | 356.9 | 349.8 |
| 82.5° | 230.8 | 227.1 | 227.1 | 234.3 | 227.1 | 227.1 | 230.8 | 234.3 | 227.1 | 227.1 | 227.1 |
| 85° | 126.2 | 129.8 | 122.6 | 122.6 | 122.6 | 129.8 | 126.2 | 119.0 | 126.2 | 126.2 | 122.6 |
| 87.5° | 46.8 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 46.8 | 50.5 | 50.5 | 50.5 | 54.1 |
| 90° | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 57.5 | 76.7 | 86.2 | 74.1 |
| 92.5° | 215.7 | 207.1 | 172.7 | 138.4 | 172.7 | 207.1 | 215.7 | 305.7 | 425.8 | 485.8 | 426.5 |
| 95° | 732.1 | 706.1 | 602.2 | 498.3 | 602.2 | 706.1 | 732.1 | 961.4 | 1267.1 | 1419.9 | 1199.3 |
| 97.5° | 1690.1 | 1640.7 | 1443.0 | 1245.2 | 1443.0 | 1640.7 | 1690.1 | 1835.0 | 2028.2 | 2124.8 | 1756.8 |
| 100° | 2373.4 | 2314.6 | 2079.0 | 1843.4 | 2079.0 | 2314.6 | 2373.4 | 2362.9 | 2348.8 | 2341.7 | 1933.3 |
| 102.5° | 2956.9 | 2906.4 | 2704.6 | 2502.9 | 2704.6 | 2906.4 | 2956.9 | 2772.2 | 2526.1 | 2403.0 | 1988.8 |
| 105° | 3637.9 | 3610.8 | 3502.3 | 3393.9 | 3502.3 | 3610.8 | 3637.9 | 3224.0 | 2672.1 | 2396.2 | 1995.1 |
| 107.5° | 3992.0 | 3998.6 | 4024.9 | 4051.1 | 4024.9 | 3998.6 | 3992.0 | 3414.7 | 2644.9 | 2259.9 | 1906.2 |
| 110° | 4082.8 | 4111.1 | 4224.1 | 4337.1 | 4224.1 | 4111.1 | 4082.8 | 3437.3 | 2576.7 | 2146.4 | 1827.6 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4025.0 | 4068.4 | 4241.9 | 4415.5 | 4241.9 | 4068.4 | 4025.0 | 3364.4 | 2483.6 | 2043.1 | 1758.9 |
| 115° | 3828.6 | 3888.7 | 4129.4 | 4370.0 | 4129.4 | 3888.7 | 3828.6 | 3192.2 | 2343.7 | 1919.4 | 1680.0 |
| 117.5° | 3557.3 | 3624.0 | 3890.9 | 4157.8 | 3890.9 | 3624.0 | 3557.3 | 2983.0 | 2217.1 | 1834.3 | 1630.7 |
| 120° | 3374.6 | 3439.4 | 3698.7 | 3958.0 | 3698.7 | 3439.4 | 3374.6 | 2849.8 | 2150.1 | 1800.3 | 1614.2 |
| 122.5° | 3191.8 | 3255.8 | 3511.5 | 3767.3 | 3511.5 | 3255.8 | 3191.8 | 2719.3 | 2089.2 | 1774.2 | 1605.4 |
| 125° | 2950.0 | 3008.9 | 3244.5 | 3480.1 | 3244.5 | 3008.9 | 2950.0 | 2548.6 | 2013.4 | 1745.8 | 1598.2 |
| 127.5° | 2755.9 | 2805.6 | 3004.4 | 3203.2 | 3004.4 | 2805.6 | 2755.9 | 2411.3 | 1951.7 | 1721.9 | 1594.0 |
| 130° | 2633.4 | 2679.3 | 2862.9 | 3046.6 | 2862.9 | 2679.3 | 2633.4 | 2326.6 | 1917.4 | 1712.8 | 1596.6 |
| 132.5° | 2529.0 | 2570.1 | 2734.6 | 2899.0 | 2734.6 | 2570.1 | 2529.0 | 2254.3 | 1888.0 | 1704.8 | 1598.1 |
| 135° | 2381.3 | 2416.8 | 2558.5 | 2700.3 | 2558.5 | 2416.8 | 2381.3 | 2151.3 | 1844.7 | 1691.3 | 1596.7 |
| 137.5° | 2272.5 | 2301.5 | 2417.5 | 2533.5 | 2417.5 | 2301.5 | 2272.5 | 2078.0 | 1818.6 | 1689.0 | 1606.5 |
| 140° | 2185.0 | 2212.1 | 2320.7 | 2429.1 | 2320.7 | 2212.1 | 2185.0 | 2017.0 | 1793.0 | 1681.0 | 1608.1 |
| 142.5° | 2123.7 | 2147.0 | 2240.3 | 2333.7 | 2240.3 | 2147.0 | 2123.7 | 1976.2 | 1779.4 | 1681.0 | 1613.9 |
| 145° | 2031.8 | 2049.4 | 2120.1 | 2190.7 | 2120.1 | 2049.4 | 2031.8 | 1911.1 | 1750.1 | 1669.7 | 1614.0 |
| 147.5° | 1954.6 | 1969.3 | 2027.8 | 2086.3 | 2027.8 | 1969.3 | 1954.6 | 1859.7 | 1733.0 | 1669.7 | 1625.1 |
| 150° | 1910.3 | 1922.2 | 1969.6 | 2017.0 | 1969.6 | 1922.2 | 1910.3 | 1830.1 | 1723.2 | 1669.7 | 1630.9 |
| 152.5° | 1875.1 | 1884.0 | 1919.9 | 1955.7 | 1919.9 | 1884.0 | 1875.1 | 1806.6 | 1715.4 | 1669.7 | 1634.6 |
| 155° | 1833.1 | 1839.0 | 1862.8 | 1886.5 | 1862.8 | 1839.0 | 1833.1 | 1778.6 | 1706.0 | 1669.7 | 1643.0 |
| 157.5° | 1796.8 | 1801.0 | 1817.6 | 1834.3 | 1817.6 | 1801.0 | 1796.8 | 1754.4 | 1697.9 | 1669.7 | 1651.4 |
| 160° | 1778.6 | 1781.0 | 1790.6 | 1800.3 | 1790.6 | 1781.0 | 1778.6 | 1742.3 | 1693.9 | 1669.7 | 1655.1 |
| 162.5° | 1761.6 | 1763.9 | 1773.0 | 1782.1 | 1773.0 | 1763.9 | 1761.6 | 1730.9 | 1690.1 | 1669.7 | 1659.1 |
| 165° | 1735.5 | 1737.9 | 1747.5 | 1757.1 | 1747.5 | 1737.9 | 1735.5 | 1713.6 | 1684.4 | 1669.7 | 1664.9 |
| 167.5° | 1724.2 | 1725.2 | 1729.2 | 1733.2 | 1729.2 | 1725.2 | 1724.2 | 1709.8 | 1690.7 | 1681.0 | 1677.0 |
| 170° | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1724.2 | 1709.8 | 1690.7 | 1681.0 | 1680.7 |
| 172.5° | 1715.1 | 1714.2 | 1710.7 | 1707.1 | 1710.7 | 1714.2 | 1715.1 | 1703.8 | 1688.6 | 1681.0 | 1681.0 |
| 175° | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1702.6 | 1695.4 | 1685.8 | 1681.0 | 1683.3 |
| 177.5° | 1700.3 | 1699.3 | 1695.3 | 1691.3 | 1695.3 | 1699.3 | 1700.3 | 1694.7 | 1687.1 | 1683.3 | 1685.1 |
| 180° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 3811.0 | 3811.0 | 3811.0 | 3811.0 | 3811.0 |
| 2.5° | 3764.2 | 3782.2 | 3793.0 | 3807.5 | 3843.5 |
| 5° | 3620.0 | 3688.5 | 3710.1 | 3764.2 | 3829.1 |
| 7.5° | 3302.7 | 3511.8 | 3569.5 | 3699.3 | 3800.2 |
| 10° | 2996.2 | 3205.3 | 3306.3 | 3612.7 | 3764.2 |
| 12.5° | 2841.2 | 2963.8 | 3032.3 | 3461.4 | 3713.7 |
| 15° | 2743.8 | 2830.3 | 2880.8 | 3259.4 | 3656.0 |
| 17.5° | 2668.1 | 2729.4 | 2765.5 | 3061.1 | 3576.7 |
| 20° | 2621.2 | 2650.0 | 2682.5 | 2916.8 | 3486.5 |
| 22.5° | 2588.7 | 2570.7 | 2596.0 | 2816.0 | 3363.9 |
| 25° | 2567.2 | 2498.7 | 2527.5 | 2736.6 | 3219.8 |
| 27.5° | 2585.2 | 2433.7 | 2444.6 | 2664.5 | 3068.3 |
| 30° | 2588.7 | 2354.4 | 2358.1 | 2588.7 | 2898.8 |
| 32.5° | 2563.5 | 2271.5 | 2275.1 | 2495.0 | 2707.7 |
| 35° | 2502.2 | 2174.1 | 2170.6 | 2386.9 | 2448.2 |
| 37.5° | 2419.3 | 2069.6 | 2069.6 | 2267.9 | 2163.3 |
| 40° | 2318.4 | 1965.0 | 1975.8 | 2112.8 | 1911.0 |
| 42.5° | 2195.8 | 1853.2 | 1867.7 | 1907.3 | 1723.5 |
| 45° | 2062.3 | 1745.0 | 1755.9 | 1611.7 | 1579.2 |
| 47.5° | 1914.5 | 1633.3 | 1636.9 | 1337.6 | 1532.4 |
| 50° | 1737.9 | 1517.9 | 1503.5 | 1146.6 | 1528.7 |
| 52.5° | 1582.9 | 1391.7 | 1348.4 | 1038.4 | 1388.1 |
| 55° | 1431.4 | 1258.3 | 1164.6 | 955.5 | 1287.1 |
| 57.5° | 1298.0 | 1085.3 | 995.1 | 858.2 | 1265.6 |
| 60° | 1175.4 | 915.8 | 847.3 | 753.5 | 1161.0 |
| 62.5° | 1074.5 | 789.7 | 775.2 | 681.4 | 1052.8 |
| 65° | 966.3 | 703.1 | 699.5 | 620.2 | 894.2 |
| 67.5° | 861.7 | 645.4 | 641.7 | 562.4 | 681.4 |
| 70° | 750.0 | 584.1 | 576.9 | 501.2 | 504.8 |
| 72.5° | 634.6 | 515.6 | 508.4 | 450.7 | 418.3 |
| 75° | 519.2 | 436.3 | 432.6 | 393.0 | 338.9 |
| 77.5° | 407.4 | 346.1 | 353.3 | 317.3 | 248.8 |
| 80° | 292.1 | 252.4 | 259.6 | 227.1 | 187.5 |
| 82.5° | 194.7 | 165.8 | 173.1 | 144.2 | 126.2 |
| 85° | 108.2 | 93.8 | 97.3 | 75.7 | 57.7 |
| 87.5° | 50.5 | 43.3 | 43.3 | 28.8 | 18.0 |
| 90° | 49.9 | 31.7 | 29.5 | 20.5 | 11.4 |
| 92.5° | 308.0 | 219.0 | 199.8 | 122.5 | 45.4 |
| 95° | 757.8 | 426.8 | 391.5 | 250.2 | 109.0 |
| 97.5° | 1020.8 | 468.8 | 437.6 | 313.0 | 188.4 |
| 100° | 1116.5 | 503.9 | 475.6 | 362.7 | 249.7 |
| 102.5° | 1160.4 | 539.1 | 512.8 | 407.3 | 301.9 |
| 105° | 1193.0 | 591.4 | 569.1 | 479.7 | 390.5 |
| 107.5° | 1199.0 | 668.6 | 647.8 | 564.5 | 481.3 |
| 110° | 1189.9 | 711.7 | 692.9 | 617.7 | 542.6 |



TEST NUMBER: P935228

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1190.4 | 763.9 | 746.0 | 674.4 | 602.7 |
| 115° | 1201.3 | 842.2 | 825.7 | 759.6 | 693.5 |
| 117.5° | 1223.6 | 918.3 | 903.3 | 843.2 | 783.2 |
| 120° | 1241.8 | 962.6 | 948.5 | 891.9 | 835.4 |
| 122.5° | 1267.9 | 1014.8 | 1000.5 | 943.6 | 886.5 |
| 125° | 1303.1 | 1081.7 | 1068.7 | 1016.8 | 964.9 |
| 127.5° | 1338.3 | 1146.4 | 1133.3 | 1080.8 | 1028.3 |
| 130° | 1364.0 | 1189.5 | 1175.4 | 1118.9 | 1062.5 |
| 132.5° | 1384.7 | 1224.7 | 1210.6 | 1154.1 | 1097.7 |
| 135° | 1407.5 | 1265.6 | 1252.8 | 1201.3 | 1149.9 |
| 137.5° | 1441.5 | 1317.8 | 1305.1 | 1254.1 | 1203.2 |
| 140° | 1462.3 | 1353.0 | 1341.3 | 1294.4 | 1247.5 |
| 142.5° | 1479.7 | 1379.1 | 1368.3 | 1324.9 | 1281.5 |
| 145° | 1502.4 | 1418.9 | 1409.4 | 1371.6 | 1333.7 |
| 147.5° | 1535.7 | 1468.8 | 1459.6 | 1422.8 | 1385.9 |
| 150° | 1553.2 | 1494.9 | 1486.5 | 1453.2 | 1419.9 |
| 152.5° | 1564.5 | 1511.9 | 1505.6 | 1480.3 | 1455.1 |
| 155° | 1589.5 | 1549.4 | 1544.7 | 1526.0 | 1507.4 |
| 157.5° | 1614.5 | 1586.9 | 1582.3 | 1564.1 | 1545.9 |
| 160° | 1625.8 | 1603.9 | 1600.3 | 1586.2 | 1572.0 |
| 162.5° | 1637.9 | 1622.0 | 1619.3 | 1608.7 | 1598.1 |
| 165° | 1655.3 | 1648.1 | 1645.7 | 1636.1 | 1626.5 |
| 167.5° | 1668.9 | 1662.9 | 1661.7 | 1657.2 | 1652.6 |
| 170° | 1680.3 | 1679.9 | 1678.8 | 1674.3 | 1669.7 |
| 172.5° | 1681.0 | 1681.0 | 1680.7 | 1679.7 | 1678.7 |
| 175° | 1687.8 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |
| 177.5° | 1688.7 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |
| 180° | 1691.3 | 1691.3 | 1691.3 | 1691.3 | 1691.3 |



TEST NUMBER: P935228
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-12-4000K

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 13.14 | 13.98 | 14.12 | 14.97 | 16.28 | 15.99 | 16.83 | 16.97 | 17.82 | 19.13 |
| | 3H | 13.62 | 14.37 | 14.61 | 15.37 | 16.70 | 17.34 | 18.09 | 18.33 | 19.09 | 20.42 |
| | 4H | 13.81 | 14.52 | 14.81 | 15.52 | 16.86 | 17.79 | 18.50 | 18.79 | 19.51 | 20.84 |
| | 6H | 13.92 | 14.58 | 14.94 | 15.59 | 16.94 | 18.08 | 18.73 | 19.09 | 19.74 | 21.09 |
| | 8H | 13.92 | 14.55 | 14.94 | 15.57 | 16.92 | 18.16 | 18.78 | 19.17 | 19.80 | 21.15 |
| | 12H | 13.89 | 14.49 | 14.92 | 15.51 | 16.88 | 18.20 | 18.79 | 19.22 | 19.81 | 21.18 |
| 4H | 2H | 14.17 | 14.89 | 15.18 | 15.89 | 17.23 | 16.40 | 17.11 | 17.41 | 18.11 | 19.45 |
| | 3H | 15.20 | 15.79 | 16.22 | 16.83 | 18.18 | 17.91 | 18.50 | 18.93 | 19.53 | 20.88 |
| | 4H | 15.48 | 16.02 | 16.50 | 17.04 | 18.42 | 18.44 | 18.98 | 19.46 | 20.01 | 21.38 |
| | 6H | 15.60 | 16.06 | 16.64 | 17.11 | 18.48 | 18.81 | 19.27 | 19.84 | 20.32 | 21.69 |
| | 8H | 15.60 | 16.04 | 16.64 | 17.08 | 18.47 | 18.92 | 19.35 | 19.95 | 20.39 | 21.78 |
| | 12H | 15.57 | 15.96 | 16.63 | 17.02 | 18.41 | 18.98 | 19.37 | 20.03 | 20.43 | 21.82 |
| 8H | 4H | 15.93 | 16.37 | 16.97 | 17.41 | 18.79 | 18.56 | 19.00 | 19.60 | 20.04 | 21.42 |
| | 6H | 16.19 | 16.55 | 17.25 | 17.63 | 19.02 | 19.00 | 19.36 | 20.06 | 20.45 | 21.83 |
| | 8H | 16.23 | 16.55 | 17.30 | 17.62 | 19.02 | 19.16 | 19.47 | 20.23 | 20.54 | 21.94 |
| | 12H | 16.22 | 16.49 | 17.29 | 17.56 | 19.00 | 19.26 | 19.54 | 20.33 | 20.60 | 22.04 |
| 12H | 4H | 15.94 | 16.33 | 16.99 | 17.39 | 18.78 | 18.52 | 18.92 | 19.58 | 19.97 | 21.36 |
| | 6H | 16.25 | 16.57 | 17.32 | 17.64 | 19.04 | 19.00 | 19.32 | 20.07 | 20.38 | 21.79 |
| | 8H | 16.32 | 16.60 | 17.39 | 17.66 | 19.10 | 19.16 | 19.44 | 20.24 | 20.50 | 21.95 |