

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: P935268

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935268
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

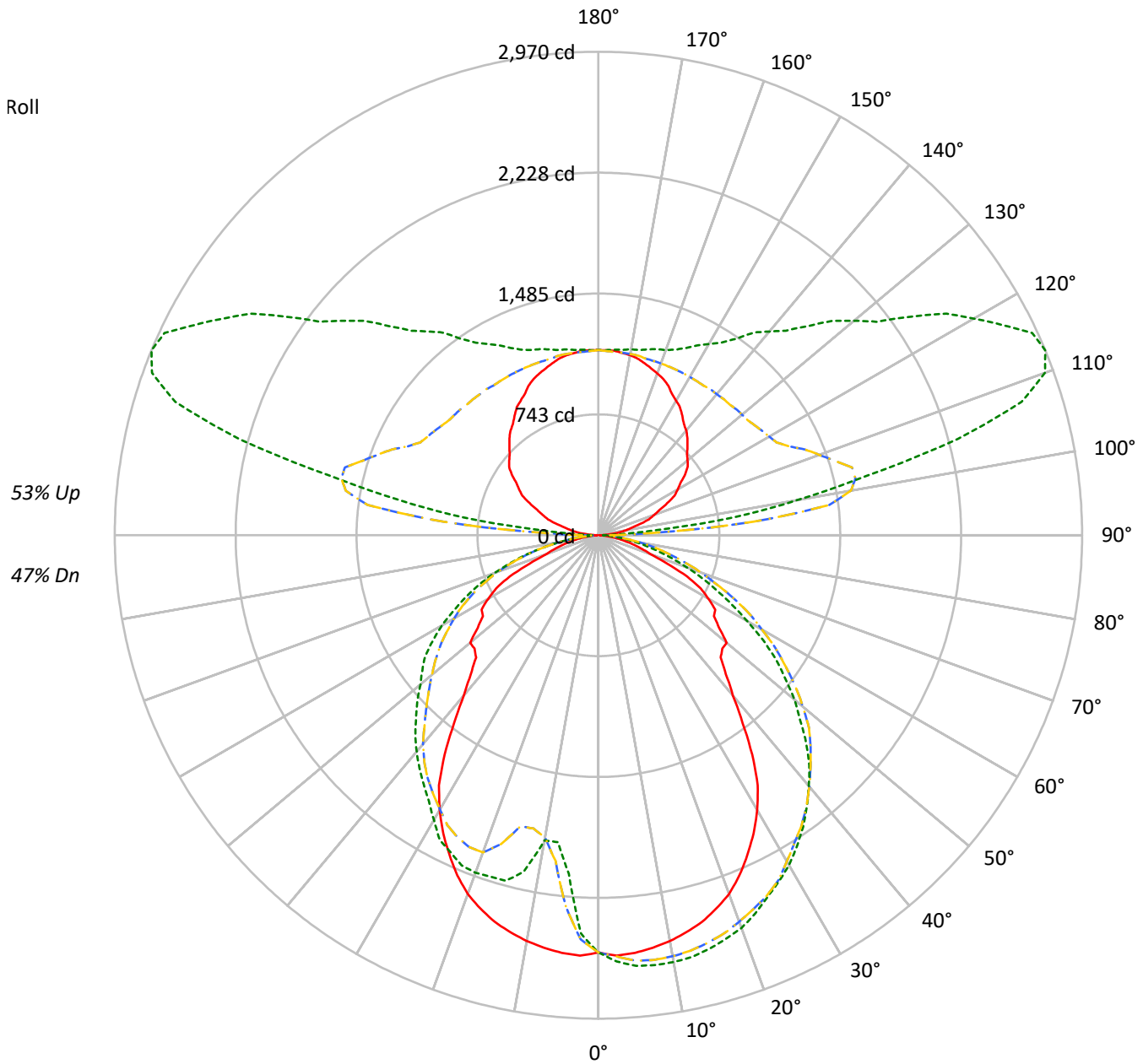
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14024.3 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 116
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

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 11892 | 11892 | 11892 | 11892 |
| 5° | 11981 | 12005 | 11981 | 9439 |
| 10° | 11901 | 11825 | 11901 | 8454 |
| 15° | 11772 | 11569 | 11772 | 9661 |
| 20° | 11526 | 11266 | 11526 | 9681 |
| 25° | 11021 | 10823 | 11021 | 9475 |
| 30° | 10370 | 10455 | 10370 | 9025 |
| 35° | 9245 | 9991 | 9245 | 8530 |
| 40° | 7703 | 9443 | 7703 | 8156 |
| 45° | 6883 | 8803 | 6883 | 7726 |
| 50° | 7313 | 8039 | 7313 | 7294 |
| 55° | 6881 | 7215 | 6881 | 7045 |
| 60° | 7093 | 6128 | 7093 | 6453 |
| 65° | 6430 | 5066 | 6430 | 5662 |
| 70° | 4453 | 4037 | 4453 | 4747 |
| 75° | 3905 | 2985 | 3905 | 3574 |
| 80° | 3146 | 1973 | 3146 | 2149 |
| 85° | 1807 | 1045 | 1807 | 888 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10549 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 231.4 | 1.6 |
| 10°-20° | 656.9 | 4.7 |
| 20°-30° | 1015.5 | 7.2 |
| 30°-40° | 1212.3 | 8.6 |
| 40°-50° | 1219.4 | 8.7 |
| 50°-60° | 1061.0 | 7.6 |
| 60°-70° | 752.3 | 5.4 |
| 70°-80° | 398.0 | 2.8 |
| 80°-90° | 103.5 | 0.7 |
| 90°-100° | 554.5 | 4.0 |
| 100°-110° | 1457.7 | 10.4 |
| 110°-120° | 1511.5 | 10.8 |
| 120°-130° | 1212.4 | 8.6 |
| 130°-140° | 951.3 | 6.8 |
| 140°-150° | 730.2 | 5.2 |
| 150°-160° | 525.8 | 3.7 |
| 160°-170° | 321.7 | 2.3 |
| 170°-180° | 108.7 | 0.8 |
| 0°-30° | 1903.8 | 13.6 |
| 0°-40° | 3116.1 | 22.2 |
| 0°-60° | 5396.5 | 38.5 |
| 0°-90° | 6650.3 | 47.4 |
| 90°-120° | 3523.7 | 25.1 |
| 90°-150° | 6417.7 | 45.8 |
| 90°-180° | 7374.0 | 52.6 |
| 0°-180° | 14024.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2563 | 2563 | 2563 | 2563 | 2563 | |
| 5° | 2575 | 2655 | 2575 | 2088 | 2575 | 244 |
| 15° | 2459 | 2631 | 2459 | 2197 | 2459 | 692 |
| 25° | 2166 | 2454 | 2166 | 2148 | 2166 | 994 |
| 35° | 1646 | 2190 | 1646 | 1870 | 1646 | 1019 |
| 45° | 1062 | 1804 | 1062 | 1584 | 1062 | 851 |
| 55° | 866 | 1331 | 866 | 1300 | 866 | 796 |
| 65° | 601 | 803 | 601 | 897 | 601 | 575 |
| 75° | 228 | 381 | 228 | 456 | 228 | 240 |
| 85° | 39 | 97 | 39 | 82 | 39 | 52 |
| 90° | 8 | 29 | 8 | 29 | 8 | 8 |
| 95° | 73 | 335 | 73 | 335 | 73 | 81 |
| 105° | 263 | 2283 | 263 | 2283 | 263 | 278 |
| 115° | 466 | 2939 | 466 | 2939 | 466 | 461 |
| 125° | 649 | 2341 | 649 | 2341 | 649 | 576 |
| 135° | 773 | 1816 | 773 | 1816 | 773 | 598 |
| 145° | 897 | 1473 | 897 | 1473 | 897 | 562 |
| 155° | 1014 | 1269 | 1014 | 1269 | 1014 | 466 |
| 165° | 1094 | 1182 | 1094 | 1182 | 1094 | 309 |
| 175° | 1138 | 1145 | 1138 | 1145 | 1138 | 108 |
| 180° | 1138 | 1138 | 1138 | 1138 | 1138 | |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 |
| 2.5° | 2585.1 | 2585.1 | 2599.6 | 2604.4 | 2604.4 | 2597.2 | 2589.9 | 2597.2 | 2619.0 | 2626.3 | 2623.9 |
| 5° | 2575.3 | 2594.7 | 2621.4 | 2626.3 | 2631.1 | 2628.6 | 2623.9 | 2628.6 | 2653.0 | 2657.8 | 2660.2 |
| 7.5° | 2556.0 | 2592.3 | 2626.3 | 2633.5 | 2640.9 | 2633.5 | 2631.1 | 2636.0 | 2660.2 | 2665.1 | 2665.1 |
| 10° | 2531.6 | 2582.6 | 2621.4 | 2626.3 | 2633.5 | 2626.3 | 2626.3 | 2636.0 | 2660.2 | 2665.1 | 2667.5 |
| 12.5° | 2497.7 | 2568.1 | 2604.4 | 2609.3 | 2619.0 | 2616.5 | 2614.1 | 2623.9 | 2648.1 | 2653.0 | 2653.0 |
| 15° | 2459.0 | 2541.4 | 2575.3 | 2580.2 | 2597.2 | 2592.3 | 2592.3 | 2602.0 | 2628.6 | 2636.0 | 2633.5 |
| 17.5° | 2405.6 | 2507.4 | 2546.2 | 2553.5 | 2565.6 | 2563.2 | 2565.6 | 2575.3 | 2599.6 | 2604.4 | 2606.9 |
| 20° | 2345.0 | 2461.3 | 2507.4 | 2514.7 | 2526.9 | 2526.9 | 2526.9 | 2539.0 | 2563.2 | 2572.9 | 2572.9 |
| 22.5° | 2262.5 | 2412.9 | 2461.3 | 2466.2 | 2480.7 | 2480.7 | 2485.6 | 2502.6 | 2524.4 | 2526.9 | 2526.9 |
| 25° | 2165.5 | 2359.5 | 2400.7 | 2415.3 | 2429.9 | 2437.1 | 2444.4 | 2454.1 | 2461.3 | 2459.0 | 2461.3 |
| 27.5° | 2063.6 | 2291.6 | 2345.0 | 2354.6 | 2374.1 | 2381.3 | 2391.1 | 2393.4 | 2395.9 | 2403.2 | 2398.3 |
| 30° | 1949.6 | 2197.1 | 2277.1 | 2286.8 | 2318.3 | 2323.1 | 2313.4 | 2318.3 | 2330.4 | 2335.3 | 2340.1 |
| 32.5° | 1821.2 | 2056.4 | 2206.8 | 2228.5 | 2257.6 | 2243.1 | 2240.6 | 2248.0 | 2267.3 | 2267.3 | 2272.2 |
| 35° | 1646.5 | 1947.3 | 2141.3 | 2160.6 | 2182.5 | 2165.5 | 2175.2 | 2177.6 | 2189.8 | 2197.1 | 2194.6 |
| 37.5° | 1455.0 | 1852.6 | 2073.3 | 2087.9 | 2104.9 | 2083.1 | 2097.6 | 2104.9 | 2114.6 | 2109.8 | 2109.8 |
| 40° | 1285.2 | 1704.8 | 1993.3 | 2003.1 | 2017.6 | 2000.6 | 2015.2 | 2020.0 | 2024.9 | 2020.0 | 2017.6 |
| 42.5° | 1159.1 | 1542.3 | 1908.4 | 1920.6 | 1910.9 | 1923.0 | 1927.9 | 1937.5 | 1930.3 | 1920.6 | 1920.6 |
| 45° | 1062.1 | 1498.6 | 1816.3 | 1830.9 | 1816.3 | 1835.8 | 1843.0 | 1843.0 | 1821.2 | 1816.3 | 1813.9 |
| 47.5° | 1030.7 | 1411.3 | 1724.2 | 1724.2 | 1716.9 | 1741.1 | 1753.3 | 1736.3 | 1714.4 | 1707.2 | 1707.2 |
| 50° | 1028.2 | 1314.3 | 1598.1 | 1588.3 | 1622.3 | 1651.4 | 1639.3 | 1622.3 | 1605.3 | 1578.6 | 1578.6 |
| 52.5° | 933.7 | 1195.5 | 1435.6 | 1472.0 | 1525.3 | 1542.3 | 1522.9 | 1505.9 | 1476.8 | 1464.7 | 1455.0 |
| 55° | 865.8 | 1071.9 | 1287.7 | 1360.4 | 1416.2 | 1438.0 | 1401.6 | 1384.7 | 1341.0 | 1333.8 | 1328.9 |
| 57.5° | 851.2 | 892.4 | 1151.9 | 1244.0 | 1311.9 | 1309.5 | 1287.7 | 1256.1 | 1219.8 | 1212.5 | 1210.1 |
| 60° | 780.9 | 645.0 | 1006.3 | 1115.5 | 1185.8 | 1178.5 | 1159.1 | 1130.0 | 1096.1 | 1091.2 | 1086.4 |
| 62.5° | 708.1 | 468.0 | 841.4 | 965.1 | 1064.5 | 1062.1 | 1045.2 | 1001.5 | 977.3 | 965.1 | 955.4 |
| 65° | 601.4 | 392.9 | 599.0 | 802.7 | 945.8 | 950.5 | 914.2 | 882.7 | 856.0 | 841.4 | 839.0 |
| 67.5° | 458.3 | 320.1 | 405.0 | 669.3 | 831.8 | 826.9 | 780.9 | 766.3 | 732.3 | 725.1 | 710.5 |
| 70° | 339.5 | 213.4 | 281.3 | 543.2 | 720.2 | 708.1 | 671.8 | 654.8 | 623.2 | 606.2 | 596.5 |
| 72.5° | 281.3 | 172.2 | 206.1 | 422.0 | 606.2 | 591.7 | 560.2 | 540.8 | 514.1 | 499.5 | 489.9 |
| 75° | 228.0 | 181.9 | 157.7 | 312.8 | 492.3 | 482.6 | 453.4 | 434.1 | 412.2 | 392.9 | 395.3 |
| 77.5° | 167.3 | 169.8 | 126.1 | 230.3 | 390.4 | 375.9 | 358.9 | 334.7 | 325.0 | 305.6 | 305.6 |
| 80° | 126.1 | 133.3 | 94.6 | 157.7 | 281.3 | 281.3 | 266.8 | 249.8 | 232.8 | 223.1 | 223.1 |
| 82.5° | 84.9 | 84.9 | 70.3 | 99.4 | 191.6 | 184.3 | 174.6 | 169.8 | 160.0 | 155.2 | 155.2 |
| 85° | 38.8 | 48.5 | 43.7 | 60.7 | 104.3 | 109.1 | 109.1 | 104.3 | 101.9 | 97.0 | 99.4 |
| 87.5° | 12.1 | 21.8 | 26.7 | 34.0 | 53.3 | 55.8 | 58.2 | 58.2 | 58.2 | 60.7 | 60.7 |
| 90° | 7.6 | 13.8 | 19.8 | 21.4 | 33.6 | 49.8 | 58.0 | 51.6 | 38.6 | 29.0 | 29.0 |
| 92.5° | 30.6 | 82.5 | 134.4 | 147.4 | 207.1 | 286.9 | 326.7 | 286.3 | 205.7 | 145.1 | 139.3 |
| 95° | 73.3 | 168.3 | 263.3 | 287.1 | 509.7 | 806.6 | 955.0 | 852.3 | 646.6 | 492.4 | 475.0 |
| 97.5° | 126.7 | 210.5 | 294.4 | 315.3 | 686.6 | 1181.6 | 1429.1 | 1364.2 | 1234.2 | 1136.7 | 1103.5 |
| 100° | 167.9 | 243.9 | 320.0 | 339.0 | 750.9 | 1300.3 | 1574.9 | 1579.7 | 1589.2 | 1596.3 | 1556.7 |
| 102.5° | 203.1 | 273.9 | 344.9 | 362.6 | 780.4 | 1337.5 | 1616.2 | 1698.9 | 1864.6 | 1988.7 | 1954.8 |
| 105° | 262.6 | 322.7 | 382.7 | 397.7 | 802.3 | 1341.9 | 1611.6 | 1797.1 | 2168.3 | 2446.8 | 2428.5 |
| 107.5° | 323.7 | 379.7 | 435.6 | 449.7 | 806.5 | 1282.1 | 1520.0 | 1778.9 | 2296.6 | 2684.9 | 2689.3 |
| 110° | 364.9 | 415.4 | 466.0 | 478.7 | 800.3 | 1229.2 | 1443.6 | 1733.1 | 2311.9 | 2746.0 | 2765.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.3 | 453.5 | 501.8 | 513.8 | 800.6 | 1183.0 | 1374.2 | 1670.4 | 2262.8 | 2707.1 | 2736.3 |
| 115° | 466.5 | 510.9 | 555.4 | 566.5 | 807.9 | 1130.0 | 1290.9 | 1576.3 | 2147.0 | 2575.1 | 2615.5 |
| 117.5° | 526.8 | 567.1 | 607.5 | 617.6 | 823.0 | 1096.7 | 1233.7 | 1491.2 | 2006.3 | 2392.5 | 2437.4 |
| 120° | 561.9 | 599.9 | 637.9 | 647.3 | 835.2 | 1085.6 | 1210.8 | 1446.1 | 1916.7 | 2269.6 | 2313.2 |
| 122.5° | 596.2 | 634.6 | 672.9 | 682.5 | 852.7 | 1079.7 | 1193.2 | 1405.1 | 1828.9 | 2146.8 | 2189.8 |
| 125° | 648.9 | 683.9 | 718.8 | 727.5 | 876.4 | 1074.9 | 1174.1 | 1354.2 | 1714.2 | 1984.1 | 2023.8 |
| 127.5° | 691.7 | 726.9 | 762.2 | 771.0 | 900.1 | 1072.1 | 1158.1 | 1312.7 | 1621.8 | 1853.6 | 1887.0 |
| 130° | 714.5 | 752.5 | 790.5 | 800.0 | 917.3 | 1073.8 | 1152.0 | 1289.5 | 1564.8 | 1771.2 | 1802.0 |
| 132.5° | 738.2 | 776.2 | 814.2 | 823.7 | 931.4 | 1074.9 | 1146.7 | 1269.8 | 1516.1 | 1700.9 | 1728.5 |
| 135° | 773.3 | 807.9 | 842.6 | 851.3 | 946.7 | 1073.9 | 1137.5 | 1240.6 | 1446.9 | 1601.7 | 1625.5 |
| 137.5° | 809.2 | 843.5 | 877.8 | 886.3 | 969.5 | 1080.5 | 1135.9 | 1223.1 | 1397.6 | 1528.3 | 1547.9 |
| 140° | 839.0 | 870.5 | 902.1 | 910.0 | 983.5 | 1081.6 | 1130.6 | 1205.9 | 1356.6 | 1469.6 | 1487.9 |
| 142.5° | 861.9 | 891.1 | 920.3 | 927.5 | 995.2 | 1085.4 | 1130.6 | 1196.8 | 1329.1 | 1428.4 | 1444.1 |
| 145° | 897.0 | 922.5 | 948.0 | 954.3 | 1010.6 | 1085.5 | 1123.0 | 1177.1 | 1285.3 | 1366.5 | 1378.4 |
| 147.5° | 932.1 | 956.9 | 981.7 | 987.9 | 1033.0 | 1093.0 | 1123.0 | 1165.6 | 1250.7 | 1314.6 | 1324.4 |
| 150° | 955.0 | 977.4 | 999.8 | 1005.4 | 1044.6 | 1096.8 | 1123.0 | 1159.0 | 1230.9 | 1284.9 | 1292.8 |
| 152.5° | 978.7 | 995.7 | 1012.7 | 1016.9 | 1052.2 | 1099.4 | 1123.0 | 1153.7 | 1215.1 | 1261.2 | 1267.2 |
| 155° | 1013.8 | 1026.4 | 1038.9 | 1042.0 | 1069.0 | 1105.0 | 1123.0 | 1147.4 | 1196.3 | 1232.9 | 1236.9 |
| 157.5° | 1039.7 | 1052.0 | 1064.3 | 1067.3 | 1085.8 | 1110.6 | 1123.0 | 1142.0 | 1180.0 | 1208.5 | 1211.3 |
| 160° | 1057.4 | 1066.9 | 1076.4 | 1078.8 | 1093.5 | 1113.2 | 1123.0 | 1139.3 | 1171.9 | 1196.3 | 1198.0 |
| 162.5° | 1074.9 | 1082.1 | 1089.2 | 1091.0 | 1101.6 | 1115.8 | 1123.0 | 1136.7 | 1164.2 | 1184.8 | 1186.4 |
| 165° | 1094.0 | 1100.4 | 1106.8 | 1108.5 | 1113.3 | 1119.8 | 1123.0 | 1132.8 | 1152.5 | 1167.3 | 1169.0 |
| 167.5° | 1111.5 | 1114.5 | 1117.7 | 1118.4 | 1122.4 | 1127.8 | 1130.6 | 1137.0 | 1150.0 | 1159.6 | 1160.2 |
| 170° | 1123.0 | 1126.0 | 1129.1 | 1129.9 | 1130.1 | 1130.4 | 1130.6 | 1137.0 | 1150.0 | 1159.6 | 1159.6 |
| 172.5° | 1129.1 | 1129.8 | 1130.4 | 1130.6 | 1130.6 | 1130.6 | 1130.6 | 1135.7 | 1145.9 | 1153.5 | 1153.0 |
| 175° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1135.2 | 1132.2 | 1130.6 | 1133.8 | 1140.2 | 1145.1 | 1145.1 |
| 177.5° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1135.7 | 1133.4 | 1132.2 | 1134.7 | 1139.8 | 1143.6 | 1143.0 |
| 180° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 |
| 2.5° | 2628.6 | 2621.4 | 2628.6 | 2623.9 | 2626.3 | 2619.0 | 2597.2 | 2589.9 | 2597.2 | 2604.4 | 2604.4 |
| 5° | 2660.2 | 2655.4 | 2660.2 | 2660.2 | 2657.8 | 2653.0 | 2628.6 | 2623.9 | 2628.6 | 2631.1 | 2626.3 |
| 7.5° | 2669.9 | 2662.6 | 2669.9 | 2665.1 | 2665.1 | 2660.2 | 2636.0 | 2631.1 | 2633.5 | 2640.9 | 2633.5 |
| 10° | 2669.9 | 2662.6 | 2669.9 | 2667.5 | 2665.1 | 2660.2 | 2636.0 | 2626.3 | 2626.3 | 2633.5 | 2626.3 |
| 12.5° | 2657.8 | 2653.0 | 2657.8 | 2653.0 | 2653.0 | 2648.1 | 2623.9 | 2614.1 | 2616.5 | 2619.0 | 2609.3 |
| 15° | 2638.4 | 2631.1 | 2638.4 | 2633.5 | 2636.0 | 2628.6 | 2602.0 | 2592.3 | 2592.3 | 2597.2 | 2580.2 |
| 17.5° | 2609.3 | 2599.6 | 2609.3 | 2606.9 | 2604.4 | 2599.6 | 2575.3 | 2565.6 | 2563.2 | 2565.6 | 2553.5 |
| 20° | 2575.3 | 2568.1 | 2575.3 | 2572.9 | 2572.9 | 2563.2 | 2539.0 | 2526.9 | 2526.9 | 2526.9 | 2514.7 |
| 22.5° | 2522.0 | 2514.7 | 2522.0 | 2526.9 | 2526.9 | 2524.4 | 2502.6 | 2485.6 | 2480.7 | 2480.7 | 2466.2 |
| 25° | 2461.3 | 2454.1 | 2461.3 | 2461.3 | 2459.0 | 2461.3 | 2454.1 | 2444.4 | 2437.1 | 2429.9 | 2415.3 |
| 27.5° | 2403.2 | 2398.3 | 2403.2 | 2398.3 | 2403.2 | 2395.9 | 2393.4 | 2391.1 | 2381.3 | 2374.1 | 2354.6 |
| 30° | 2345.0 | 2340.1 | 2345.0 | 2340.1 | 2335.3 | 2330.4 | 2318.3 | 2313.4 | 2323.1 | 2318.3 | 2286.8 |
| 32.5° | 2272.2 | 2267.3 | 2272.2 | 2272.2 | 2267.3 | 2267.3 | 2248.0 | 2240.6 | 2243.1 | 2257.6 | 2228.5 |
| 35° | 2197.1 | 2189.8 | 2197.1 | 2194.6 | 2197.1 | 2189.8 | 2177.6 | 2175.2 | 2165.5 | 2182.5 | 2160.6 |
| 37.5° | 2109.8 | 2102.4 | 2109.8 | 2109.8 | 2109.8 | 2114.6 | 2104.9 | 2097.6 | 2083.1 | 2104.9 | 2087.9 |
| 40° | 2020.0 | 2010.3 | 2020.0 | 2017.6 | 2020.0 | 2024.9 | 2020.0 | 2015.2 | 2000.6 | 2017.6 | 2003.1 |
| 42.5° | 1918.2 | 1915.8 | 1918.2 | 1920.6 | 1920.6 | 1930.3 | 1937.5 | 1927.9 | 1923.0 | 1910.9 | 1920.6 |
| 45° | 1809.1 | 1804.2 | 1809.1 | 1813.9 | 1816.3 | 1821.2 | 1843.0 | 1843.0 | 1835.8 | 1816.3 | 1830.9 |
| 47.5° | 1692.6 | 1680.5 | 1692.6 | 1707.2 | 1707.2 | 1714.4 | 1736.3 | 1753.3 | 1741.1 | 1716.9 | 1724.2 |
| 50° | 1569.0 | 1571.4 | 1569.0 | 1578.6 | 1578.6 | 1605.3 | 1622.3 | 1639.3 | 1651.4 | 1622.3 | 1588.3 |
| 52.5° | 1447.8 | 1445.3 | 1447.8 | 1455.0 | 1464.7 | 1476.8 | 1505.9 | 1522.9 | 1542.3 | 1525.3 | 1472.0 |
| 55° | 1326.4 | 1331.3 | 1326.4 | 1328.9 | 1333.8 | 1341.0 | 1384.7 | 1401.6 | 1438.0 | 1416.2 | 1360.4 |
| 57.5° | 1205.2 | 1198.0 | 1205.2 | 1210.1 | 1212.5 | 1219.8 | 1256.1 | 1287.7 | 1309.5 | 1311.9 | 1244.0 |
| 60° | 1064.5 | 1054.9 | 1064.5 | 1086.4 | 1091.2 | 1096.1 | 1130.0 | 1159.1 | 1178.5 | 1185.8 | 1115.5 |
| 62.5° | 940.9 | 923.9 | 940.9 | 955.4 | 965.1 | 977.3 | 1001.5 | 1045.2 | 1062.1 | 1064.5 | 965.1 |
| 65° | 810.0 | 802.7 | 810.0 | 839.0 | 841.4 | 856.0 | 882.7 | 914.2 | 950.5 | 945.8 | 802.7 |
| 67.5° | 691.1 | 691.1 | 691.1 | 710.5 | 725.1 | 732.3 | 766.3 | 780.9 | 826.9 | 831.8 | 669.3 |
| 70° | 582.0 | 579.6 | 582.0 | 596.5 | 606.2 | 623.2 | 654.8 | 671.8 | 708.1 | 720.2 | 543.2 |
| 72.5° | 477.8 | 475.3 | 477.8 | 489.9 | 499.5 | 514.1 | 540.8 | 560.2 | 591.7 | 606.2 | 422.0 |
| 75° | 385.6 | 380.8 | 385.6 | 395.3 | 392.9 | 412.2 | 434.1 | 453.4 | 482.6 | 492.3 | 312.8 |
| 77.5° | 295.9 | 295.9 | 295.9 | 305.6 | 305.6 | 325.0 | 334.7 | 358.9 | 375.9 | 390.4 | 230.3 |
| 80° | 220.7 | 218.2 | 220.7 | 223.1 | 223.1 | 232.8 | 249.8 | 266.8 | 281.3 | 281.3 | 157.7 |
| 82.5° | 155.2 | 150.3 | 155.2 | 155.2 | 155.2 | 160.0 | 169.8 | 174.6 | 184.3 | 191.6 | 99.4 |
| 85° | 97.0 | 97.0 | 97.0 | 99.4 | 97.0 | 101.9 | 104.3 | 109.1 | 109.1 | 104.3 | 60.7 |
| 87.5° | 63.0 | 60.7 | 63.0 | 60.7 | 60.7 | 58.2 | 58.2 | 58.2 | 55.8 | 53.3 | 34.0 |
| 90° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 38.6 | 51.6 | 58.0 | 49.8 | 33.6 | 21.4 |
| 92.5° | 116.3 | 93.1 | 116.3 | 139.3 | 145.1 | 205.7 | 286.3 | 326.7 | 286.9 | 207.1 | 147.4 |
| 95° | 405.1 | 335.1 | 405.1 | 475.0 | 492.4 | 646.6 | 852.3 | 955.0 | 806.6 | 509.7 | 287.1 |
| 97.5° | 970.5 | 837.5 | 970.5 | 1103.5 | 1136.7 | 1234.2 | 1364.2 | 1429.1 | 1181.6 | 686.6 | 315.3 |
| 100° | 1398.3 | 1239.8 | 1398.3 | 1556.7 | 1596.3 | 1589.2 | 1579.7 | 1574.9 | 1300.3 | 750.9 | 339.0 |
| 102.5° | 1819.1 | 1683.3 | 1819.1 | 1954.8 | 1988.7 | 1864.6 | 1698.9 | 1616.2 | 1337.5 | 780.4 | 362.6 |
| 105° | 2355.5 | 2282.6 | 2355.5 | 2428.5 | 2446.8 | 2168.3 | 1797.1 | 1611.6 | 1341.9 | 802.3 | 397.7 |
| 107.5° | 2707.0 | 2724.6 | 2707.0 | 2689.3 | 2684.9 | 2296.6 | 1778.9 | 1520.0 | 1282.1 | 806.5 | 449.7 |
| 110° | 2841.0 | 2917.0 | 2841.0 | 2765.0 | 2746.0 | 2311.9 | 1733.1 | 1443.6 | 1229.2 | 800.3 | 478.7 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2852.9 | 2969.7 | 2852.9 | 2736.3 | 2707.1 | 2262.8 | 1670.4 | 1374.2 | 1183.0 | 800.6 | 513.8 |
| 115° | 2777.3 | 2939.2 | 2777.3 | 2615.5 | 2575.1 | 2147.0 | 1576.3 | 1290.9 | 1130.0 | 807.9 | 566.5 |
| 117.5° | 2616.9 | 2796.4 | 2616.9 | 2437.4 | 2392.5 | 2006.3 | 1491.2 | 1233.7 | 1096.7 | 823.0 | 617.6 |
| 120° | 2487.7 | 2662.0 | 2487.7 | 2313.2 | 2269.6 | 1916.7 | 1446.1 | 1210.8 | 1085.6 | 835.2 | 647.3 |
| 122.5° | 2361.8 | 2533.8 | 2361.8 | 2189.8 | 2146.8 | 1828.9 | 1405.1 | 1193.2 | 1079.7 | 852.7 | 682.5 |
| 125° | 2182.2 | 2340.7 | 2182.2 | 2023.8 | 1984.1 | 1714.2 | 1354.2 | 1174.1 | 1074.9 | 876.4 | 727.5 |
| 127.5° | 2020.7 | 2154.4 | 2020.7 | 1887.0 | 1853.6 | 1621.8 | 1312.7 | 1158.1 | 1072.1 | 900.1 | 771.0 |
| 130° | 1925.5 | 2049.0 | 1925.5 | 1802.0 | 1771.2 | 1564.8 | 1289.5 | 1152.0 | 1073.8 | 917.3 | 800.0 |
| 132.5° | 1839.2 | 1949.7 | 1839.2 | 1728.5 | 1700.9 | 1516.1 | 1269.8 | 1146.7 | 1074.9 | 931.4 | 823.7 |
| 135° | 1720.9 | 1816.2 | 1720.9 | 1625.5 | 1601.7 | 1446.9 | 1240.6 | 1137.5 | 1073.9 | 946.7 | 851.3 |
| 137.5° | 1625.9 | 1704.0 | 1625.9 | 1547.9 | 1528.3 | 1397.6 | 1223.1 | 1135.9 | 1080.5 | 969.5 | 886.3 |
| 140° | 1560.7 | 1633.7 | 1560.7 | 1487.9 | 1469.6 | 1356.6 | 1205.9 | 1130.6 | 1081.6 | 983.5 | 910.0 |
| 142.5° | 1506.9 | 1569.6 | 1506.9 | 1444.1 | 1428.4 | 1329.1 | 1196.8 | 1130.6 | 1085.4 | 995.2 | 927.5 |
| 145° | 1425.9 | 1473.4 | 1425.9 | 1378.4 | 1366.5 | 1285.3 | 1177.1 | 1123.0 | 1085.5 | 1010.6 | 954.3 |
| 147.5° | 1363.8 | 1403.2 | 1363.8 | 1324.4 | 1314.6 | 1250.7 | 1165.6 | 1123.0 | 1093.0 | 1033.0 | 987.9 |
| 150° | 1324.7 | 1356.6 | 1324.7 | 1292.8 | 1284.9 | 1230.9 | 1159.0 | 1123.0 | 1096.8 | 1044.6 | 1005.4 |
| 152.5° | 1291.3 | 1315.3 | 1291.3 | 1267.2 | 1261.2 | 1215.1 | 1153.7 | 1123.0 | 1099.4 | 1052.2 | 1016.9 |
| 155° | 1252.8 | 1268.8 | 1252.8 | 1236.9 | 1232.9 | 1196.3 | 1147.4 | 1123.0 | 1105.0 | 1069.0 | 1042.0 |
| 157.5° | 1222.5 | 1233.7 | 1222.5 | 1211.3 | 1208.5 | 1180.0 | 1142.0 | 1123.0 | 1110.6 | 1085.8 | 1067.3 |
| 160° | 1204.4 | 1210.8 | 1204.4 | 1198.0 | 1196.3 | 1171.9 | 1139.3 | 1123.0 | 1113.2 | 1093.5 | 1078.8 |
| 162.5° | 1192.5 | 1198.6 | 1192.5 | 1186.4 | 1184.8 | 1164.2 | 1136.7 | 1123.0 | 1115.8 | 1101.6 | 1091.0 |
| 165° | 1175.4 | 1181.8 | 1175.4 | 1169.0 | 1167.3 | 1152.5 | 1132.8 | 1123.0 | 1119.8 | 1113.3 | 1108.5 |
| 167.5° | 1163.0 | 1165.7 | 1163.0 | 1160.2 | 1159.6 | 1150.0 | 1137.0 | 1130.6 | 1127.8 | 1122.4 | 1118.4 |
| 170° | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1150.0 | 1137.0 | 1130.6 | 1130.4 | 1130.1 | 1129.9 |
| 172.5° | 1150.6 | 1148.2 | 1150.6 | 1153.0 | 1153.5 | 1145.9 | 1135.7 | 1130.6 | 1130.6 | 1130.6 | 1130.6 |
| 175° | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1140.2 | 1133.8 | 1130.6 | 1132.2 | 1135.2 | 1137.5 |
| 177.5° | 1140.2 | 1137.5 | 1140.2 | 1143.0 | 1143.6 | 1139.8 | 1134.7 | 1132.2 | 1133.4 | 1135.7 | 1137.5 |
| 180° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 |
| 2.5° | 2599.6 | 2585.1 | 2585.1 | 2560.8 | 2551.1 | 2543.9 | 2531.6 | 2495.3 | 2485.6 | 2475.9 | 2490.4 |
| 5° | 2621.4 | 2594.7 | 2575.3 | 2531.6 | 2495.3 | 2480.7 | 2434.6 | 2347.4 | 2289.2 | 2245.5 | 2221.3 |
| 7.5° | 2626.3 | 2592.3 | 2556.0 | 2488.1 | 2400.7 | 2362.0 | 2221.3 | 2061.2 | 2017.6 | 1978.8 | 1954.5 |
| 10° | 2621.4 | 2582.6 | 2531.6 | 2429.9 | 2223.7 | 2155.8 | 2015.2 | 1910.9 | 1884.2 | 1877.0 | 1884.2 |
| 12.5° | 2604.4 | 2568.1 | 2497.7 | 2328.0 | 2039.4 | 1993.3 | 1910.9 | 1850.3 | 1845.4 | 1857.5 | 1923.0 |
| 15° | 2575.3 | 2541.4 | 2459.0 | 2192.2 | 1937.5 | 1903.6 | 1845.4 | 1823.6 | 1850.3 | 1935.1 | 2131.5 |
| 17.5° | 2546.2 | 2507.4 | 2405.6 | 2058.8 | 1860.0 | 1835.8 | 1794.5 | 1838.1 | 1988.5 | 2102.4 | 2168.0 |
| 20° | 2507.4 | 2461.3 | 2345.0 | 1961.8 | 1804.2 | 1782.3 | 1763.0 | 1959.4 | 2073.3 | 2114.6 | 2151.0 |
| 22.5° | 2461.3 | 2412.9 | 2262.5 | 1893.9 | 1746.0 | 1729.0 | 1741.1 | 2027.3 | 2073.3 | 2102.4 | 2134.0 |
| 25° | 2400.7 | 2359.5 | 2165.5 | 1840.5 | 1699.9 | 1680.5 | 1726.6 | 2020.0 | 2046.6 | 2054.0 | 2117.0 |
| 27.5° | 2345.0 | 2291.6 | 2063.6 | 1792.1 | 1644.1 | 1636.9 | 1738.8 | 1988.5 | 2007.9 | 2015.2 | 2083.1 |
| 30° | 2277.1 | 2197.1 | 1949.6 | 1741.1 | 1586.0 | 1583.5 | 1741.1 | 1949.6 | 1944.9 | 1964.2 | 2032.1 |
| 32.5° | 2206.8 | 2056.4 | 1821.2 | 1678.1 | 1530.2 | 1527.8 | 1724.2 | 1891.5 | 1886.6 | 1913.3 | 1964.2 |
| 35° | 2141.3 | 1947.3 | 1646.5 | 1605.3 | 1459.9 | 1462.3 | 1683.0 | 1823.6 | 1826.0 | 1850.3 | 1881.8 |
| 37.5° | 2073.3 | 1852.6 | 1455.0 | 1525.3 | 1392.0 | 1392.0 | 1627.2 | 1760.5 | 1755.7 | 1763.0 | 1806.6 |
| 40° | 1993.3 | 1704.8 | 1285.2 | 1421.1 | 1328.9 | 1321.6 | 1559.3 | 1692.6 | 1675.6 | 1673.2 | 1733.9 |
| 42.5° | 1908.4 | 1542.3 | 1159.1 | 1282.8 | 1256.1 | 1246.4 | 1476.8 | 1610.2 | 1578.6 | 1586.0 | 1663.5 |
| 45° | 1816.3 | 1498.6 | 1062.1 | 1084.0 | 1181.0 | 1173.7 | 1387.1 | 1515.6 | 1493.8 | 1513.2 | 1593.2 |
| 47.5° | 1724.2 | 1411.3 | 1030.7 | 899.7 | 1101.0 | 1098.5 | 1287.7 | 1423.4 | 1411.3 | 1430.8 | 1515.6 |
| 50° | 1598.1 | 1314.3 | 1028.2 | 771.1 | 1011.2 | 1020.9 | 1168.9 | 1333.8 | 1333.8 | 1350.8 | 1440.4 |
| 52.5° | 1435.6 | 1195.5 | 933.7 | 698.4 | 907.0 | 936.0 | 1064.5 | 1256.1 | 1261.0 | 1278.0 | 1358.0 |
| 55° | 1287.7 | 1071.9 | 865.8 | 642.7 | 783.3 | 846.3 | 962.8 | 1176.1 | 1185.8 | 1202.8 | 1275.5 |
| 57.5° | 1151.9 | 892.4 | 851.2 | 577.1 | 669.3 | 729.9 | 873.0 | 1098.5 | 1103.3 | 1117.9 | 1188.2 |
| 60° | 1006.3 | 645.0 | 780.9 | 506.8 | 569.9 | 616.0 | 790.5 | 1006.3 | 1023.3 | 1033.0 | 1093.7 |
| 62.5° | 841.4 | 468.0 | 708.1 | 458.3 | 521.3 | 531.1 | 722.7 | 919.1 | 940.9 | 948.2 | 984.5 |
| 65° | 599.0 | 392.9 | 601.4 | 417.1 | 470.4 | 472.9 | 649.9 | 829.3 | 848.8 | 860.9 | 887.5 |
| 67.5° | 405.0 | 320.1 | 458.3 | 378.3 | 431.7 | 434.1 | 579.6 | 725.1 | 751.8 | 761.4 | 778.4 |
| 70° | 281.3 | 213.4 | 339.5 | 337.1 | 388.0 | 392.9 | 504.4 | 630.5 | 654.8 | 662.0 | 671.8 |
| 72.5° | 206.1 | 172.2 | 281.3 | 303.1 | 341.9 | 346.8 | 426.8 | 523.8 | 548.0 | 555.3 | 560.2 |
| 75° | 157.7 | 181.9 | 228.0 | 264.3 | 291.0 | 293.4 | 349.2 | 426.8 | 443.8 | 448.7 | 451.0 |
| 77.5° | 126.1 | 169.8 | 167.3 | 213.4 | 237.7 | 232.8 | 274.0 | 329.8 | 344.3 | 344.3 | 344.3 |
| 80° | 94.6 | 133.3 | 126.1 | 152.8 | 174.6 | 169.8 | 196.4 | 235.2 | 240.1 | 244.9 | 242.5 |
| 82.5° | 70.3 | 84.9 | 84.9 | 97.0 | 116.4 | 111.6 | 131.0 | 152.8 | 152.8 | 152.8 | 157.7 |
| 85° | 43.7 | 48.5 | 38.8 | 50.9 | 65.4 | 63.0 | 72.8 | 82.4 | 84.9 | 84.9 | 80.0 |
| 87.5° | 26.7 | 21.8 | 12.1 | 19.4 | 29.1 | 29.1 | 34.0 | 36.3 | 34.0 | 34.0 | 34.0 |
| 90° | 19.8 | 13.8 | 7.6 | 13.8 | 19.8 | 21.4 | 33.6 | 49.8 | 58.0 | 51.6 | 38.6 |
| 92.5° | 134.4 | 82.5 | 30.6 | 82.5 | 134.4 | 147.4 | 207.1 | 286.9 | 326.7 | 286.3 | 205.7 |
| 95° | 263.3 | 168.3 | 73.3 | 168.3 | 263.3 | 287.1 | 509.7 | 806.6 | 955.0 | 852.3 | 646.6 |
| 97.5° | 294.4 | 210.5 | 126.7 | 210.5 | 294.4 | 315.3 | 686.6 | 1181.6 | 1429.1 | 1364.2 | 1234.2 |
| 100° | 320.0 | 243.9 | 167.9 | 243.9 | 320.0 | 339.0 | 750.9 | 1300.3 | 1574.9 | 1579.7 | 1589.2 |
| 102.5° | 344.9 | 273.9 | 203.1 | 273.9 | 344.9 | 362.6 | 780.4 | 1337.5 | 1616.2 | 1698.9 | 1864.6 |
| 105° | 382.7 | 322.7 | 262.6 | 322.7 | 382.7 | 397.7 | 802.3 | 1341.9 | 1611.6 | 1797.1 | 2168.3 |
| 107.5° | 435.6 | 379.7 | 323.7 | 379.7 | 435.6 | 449.7 | 806.5 | 1282.1 | 1520.0 | 1778.9 | 2296.6 |
| 110° | 466.0 | 415.4 | 364.9 | 415.4 | 466.0 | 478.7 | 800.3 | 1229.2 | 1443.6 | 1733.1 | 2311.9 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 501.8 | 453.5 | 405.3 | 453.5 | 501.8 | 513.8 | 800.6 | 1183.0 | 1374.2 | 1670.4 | 2262.8 |
| 115° | 555.4 | 510.9 | 466.5 | 510.9 | 555.4 | 566.5 | 807.9 | 1130.0 | 1290.9 | 1576.3 | 2147.0 |
| 117.5° | 607.5 | 567.1 | 526.8 | 567.1 | 607.5 | 617.6 | 823.0 | 1096.7 | 1233.7 | 1491.2 | 2006.3 |
| 120° | 637.9 | 599.9 | 561.9 | 599.9 | 637.9 | 647.3 | 835.2 | 1085.6 | 1210.8 | 1446.1 | 1916.7 |
| 122.5° | 672.9 | 634.6 | 596.2 | 634.6 | 672.9 | 682.5 | 852.7 | 1079.7 | 1193.2 | 1405.1 | 1828.9 |
| 125° | 718.8 | 683.9 | 648.9 | 683.9 | 718.8 | 727.5 | 876.4 | 1074.9 | 1174.1 | 1354.2 | 1714.2 |
| 127.5° | 762.2 | 726.9 | 691.7 | 726.9 | 762.2 | 771.0 | 900.1 | 1072.1 | 1158.1 | 1312.7 | 1621.8 |
| 130° | 790.5 | 752.5 | 714.5 | 752.5 | 790.5 | 800.0 | 917.3 | 1073.8 | 1152.0 | 1289.5 | 1564.8 |
| 132.5° | 814.2 | 776.2 | 738.2 | 776.2 | 814.2 | 823.7 | 931.4 | 1074.9 | 1146.7 | 1269.8 | 1516.1 |
| 135° | 842.6 | 807.9 | 773.3 | 807.9 | 842.6 | 851.3 | 946.7 | 1073.9 | 1137.5 | 1240.6 | 1446.9 |
| 137.5° | 877.8 | 843.5 | 809.2 | 843.5 | 877.8 | 886.3 | 969.5 | 1080.5 | 1135.9 | 1223.1 | 1397.6 |
| 140° | 902.1 | 870.5 | 839.0 | 870.5 | 902.1 | 910.0 | 983.5 | 1081.6 | 1130.6 | 1205.9 | 1356.6 |
| 142.5° | 920.3 | 891.1 | 861.9 | 891.1 | 920.3 | 927.5 | 995.2 | 1085.4 | 1130.6 | 1196.8 | 1329.1 |
| 145° | 948.0 | 922.5 | 897.0 | 922.5 | 948.0 | 954.3 | 1010.6 | 1085.5 | 1123.0 | 1177.1 | 1285.3 |
| 147.5° | 981.7 | 956.9 | 932.1 | 956.9 | 981.7 | 987.9 | 1033.0 | 1093.0 | 1123.0 | 1165.6 | 1250.7 |
| 150° | 999.8 | 977.4 | 955.0 | 977.4 | 999.8 | 1005.4 | 1044.6 | 1096.8 | 1123.0 | 1159.0 | 1230.9 |
| 152.5° | 1012.7 | 995.7 | 978.7 | 995.7 | 1012.7 | 1016.9 | 1052.2 | 1099.4 | 1123.0 | 1153.7 | 1215.1 |
| 155° | 1038.9 | 1026.4 | 1013.8 | 1026.4 | 1038.9 | 1042.0 | 1069.0 | 1105.0 | 1123.0 | 1147.4 | 1196.3 |
| 157.5° | 1064.3 | 1052.0 | 1039.7 | 1052.0 | 1064.3 | 1067.3 | 1085.8 | 1110.6 | 1123.0 | 1142.0 | 1180.0 |
| 160° | 1076.4 | 1066.9 | 1057.4 | 1066.9 | 1076.4 | 1078.8 | 1093.5 | 1113.2 | 1123.0 | 1139.3 | 1171.9 |
| 162.5° | 1089.2 | 1082.1 | 1074.9 | 1082.1 | 1089.2 | 1091.0 | 1101.6 | 1115.8 | 1123.0 | 1136.7 | 1164.2 |
| 165° | 1106.8 | 1100.4 | 1094.0 | 1100.4 | 1106.8 | 1108.5 | 1113.3 | 1119.8 | 1123.0 | 1132.8 | 1152.5 |
| 167.5° | 1117.7 | 1114.5 | 1111.5 | 1114.5 | 1117.7 | 1118.4 | 1122.4 | 1127.8 | 1130.6 | 1137.0 | 1150.0 |
| 170° | 1129.1 | 1126.0 | 1123.0 | 1126.0 | 1129.1 | 1129.9 | 1130.1 | 1130.4 | 1130.6 | 1137.0 | 1150.0 |
| 172.5° | 1130.4 | 1129.8 | 1129.1 | 1129.8 | 1130.4 | 1130.6 | 1130.6 | 1130.6 | 1130.6 | 1135.7 | 1145.9 |
| 175° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1135.2 | 1132.2 | 1130.6 | 1133.8 | 1140.2 |
| 177.5° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1135.7 | 1133.4 | 1132.2 | 1134.7 | 1139.8 |
| 180° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 |
| 2.5° | 2473.5 | 2466.2 | 2475.9 | 2449.2 | 2475.9 | 2466.2 | 2473.5 | 2490.4 | 2475.9 | 2485.6 | 2495.3 |
| 5° | 2170.3 | 2158.2 | 2119.4 | 2087.9 | 2119.4 | 2158.2 | 2170.3 | 2221.3 | 2245.5 | 2289.2 | 2347.4 |
| 7.5° | 1940.0 | 1930.3 | 1920.6 | 1901.2 | 1920.6 | 1930.3 | 1940.0 | 1954.5 | 1978.8 | 2017.6 | 2061.2 |
| 10° | 1889.1 | 1891.5 | 1906.1 | 1903.6 | 1906.1 | 1891.5 | 1889.1 | 1884.2 | 1877.0 | 1884.2 | 1910.9 |
| 12.5° | 2020.0 | 2041.9 | 2121.9 | 2117.0 | 2121.9 | 2041.9 | 2020.0 | 1923.0 | 1857.5 | 1845.4 | 1850.3 |
| 15° | 2170.3 | 2177.6 | 2194.6 | 2197.1 | 2194.6 | 2177.6 | 2170.3 | 2131.5 | 1935.1 | 1850.3 | 1823.6 |
| 17.5° | 2184.9 | 2187.3 | 2199.4 | 2199.4 | 2199.4 | 2187.3 | 2184.9 | 2168.0 | 2102.4 | 1988.5 | 1838.1 |
| 20° | 2172.8 | 2177.6 | 2201.9 | 2206.8 | 2201.9 | 2177.6 | 2172.8 | 2151.0 | 2114.6 | 2073.3 | 1959.4 |
| 22.5° | 2168.0 | 2177.6 | 2197.1 | 2194.6 | 2197.1 | 2177.6 | 2168.0 | 2134.0 | 2102.4 | 2073.3 | 2027.3 |
| 25° | 2143.6 | 2143.6 | 2146.1 | 2148.5 | 2146.1 | 2143.6 | 2143.6 | 2117.0 | 2054.0 | 2046.6 | 2020.0 |
| 27.5° | 2092.8 | 2097.6 | 2112.2 | 2109.8 | 2112.2 | 2097.6 | 2092.8 | 2083.1 | 2015.2 | 2007.9 | 1988.5 |
| 30° | 2046.6 | 2041.9 | 2029.7 | 2020.0 | 2029.7 | 2041.9 | 2046.6 | 2032.1 | 1964.2 | 1944.9 | 1949.6 |
| 32.5° | 1969.1 | 1957.0 | 1944.9 | 1937.5 | 1944.9 | 1957.0 | 1969.1 | 1964.2 | 1913.3 | 1886.6 | 1891.5 |
| 35° | 1877.0 | 1879.3 | 1877.0 | 1869.6 | 1877.0 | 1879.3 | 1877.0 | 1881.8 | 1850.3 | 1826.0 | 1823.6 |
| 37.5° | 1811.4 | 1816.3 | 1813.9 | 1804.2 | 1813.9 | 1816.3 | 1811.4 | 1806.6 | 1763.0 | 1755.7 | 1760.5 |
| 40° | 1743.5 | 1746.0 | 1743.5 | 1736.3 | 1743.5 | 1746.0 | 1743.5 | 1733.9 | 1673.2 | 1675.6 | 1692.6 |
| 42.5° | 1678.1 | 1675.6 | 1668.4 | 1663.5 | 1668.4 | 1675.6 | 1678.1 | 1663.5 | 1586.0 | 1578.6 | 1610.2 |
| 45° | 1602.9 | 1605.3 | 1590.8 | 1583.5 | 1590.8 | 1605.3 | 1602.9 | 1593.2 | 1513.2 | 1493.8 | 1515.6 |
| 47.5° | 1527.8 | 1527.8 | 1515.6 | 1508.3 | 1515.6 | 1527.8 | 1527.8 | 1515.6 | 1430.8 | 1411.3 | 1423.4 |
| 50° | 1447.8 | 1445.3 | 1428.3 | 1425.9 | 1428.3 | 1445.3 | 1447.8 | 1440.4 | 1350.8 | 1333.8 | 1333.8 |
| 52.5° | 1355.5 | 1355.5 | 1358.0 | 1362.9 | 1358.0 | 1355.5 | 1355.5 | 1358.0 | 1278.0 | 1261.0 | 1256.1 |
| 55° | 1275.5 | 1278.0 | 1295.0 | 1299.8 | 1295.0 | 1278.0 | 1275.5 | 1275.5 | 1202.8 | 1185.8 | 1176.1 |
| 57.5° | 1193.1 | 1193.1 | 1205.2 | 1205.2 | 1205.2 | 1193.1 | 1193.1 | 1188.2 | 1117.9 | 1103.3 | 1098.5 |
| 60° | 1098.5 | 1103.3 | 1113.1 | 1110.7 | 1113.1 | 1103.3 | 1098.5 | 1093.7 | 1033.0 | 1023.3 | 1006.3 |
| 62.5° | 999.1 | 1004.0 | 1006.3 | 1001.5 | 1006.3 | 1004.0 | 999.1 | 984.5 | 948.2 | 940.9 | 919.1 |
| 65° | 894.8 | 899.7 | 902.1 | 897.2 | 902.1 | 899.7 | 894.8 | 887.5 | 860.9 | 848.8 | 829.3 |
| 67.5° | 788.1 | 785.7 | 783.3 | 793.0 | 783.3 | 785.7 | 788.1 | 778.4 | 761.4 | 751.8 | 725.1 |
| 70° | 679.0 | 679.0 | 676.5 | 681.4 | 676.5 | 679.0 | 679.0 | 671.8 | 662.0 | 654.8 | 630.5 |
| 72.5° | 562.6 | 560.2 | 569.9 | 562.6 | 569.9 | 560.2 | 562.6 | 560.2 | 555.3 | 548.0 | 523.8 |
| 75° | 448.7 | 453.4 | 448.7 | 455.9 | 448.7 | 453.4 | 448.7 | 451.0 | 448.7 | 443.8 | 426.8 |
| 77.5° | 341.9 | 346.8 | 341.9 | 341.9 | 341.9 | 346.8 | 341.9 | 344.3 | 344.3 | 344.3 | 329.8 |
| 80° | 242.5 | 240.1 | 240.1 | 237.7 | 240.1 | 240.1 | 242.5 | 242.5 | 244.9 | 240.1 | 235.2 |
| 82.5° | 155.2 | 152.8 | 152.8 | 157.7 | 152.8 | 152.8 | 155.2 | 157.7 | 152.8 | 152.8 | 152.8 |
| 85° | 84.9 | 87.3 | 82.4 | 82.4 | 82.4 | 87.3 | 84.9 | 80.0 | 84.9 | 84.9 | 82.4 |
| 87.5° | 31.6 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 31.6 | 34.0 | 34.0 | 34.0 | 36.3 |
| 90° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 38.6 | 51.6 | 58.0 | 49.8 |
| 92.5° | 145.1 | 139.3 | 116.3 | 93.1 | 116.3 | 139.3 | 145.1 | 205.7 | 286.3 | 326.7 | 286.9 |
| 95° | 492.4 | 475.0 | 405.1 | 335.1 | 405.1 | 475.0 | 492.4 | 646.6 | 852.3 | 955.0 | 806.6 |
| 97.5° | 1136.7 | 1103.5 | 970.5 | 837.5 | 970.5 | 1103.5 | 1136.7 | 1234.2 | 1364.2 | 1429.1 | 1181.6 |
| 100° | 1596.3 | 1556.7 | 1398.3 | 1239.8 | 1398.3 | 1556.7 | 1596.3 | 1589.2 | 1579.7 | 1574.9 | 1300.3 |
| 102.5° | 1988.7 | 1954.8 | 1819.1 | 1683.3 | 1819.1 | 1954.8 | 1988.7 | 1864.6 | 1698.9 | 1616.2 | 1337.5 |
| 105° | 2446.8 | 2428.5 | 2355.5 | 2282.6 | 2355.5 | 2428.5 | 2446.8 | 2168.3 | 1797.1 | 1611.6 | 1341.9 |
| 107.5° | 2684.9 | 2689.3 | 2707.0 | 2724.6 | 2707.0 | 2689.3 | 2684.9 | 2296.6 | 1778.9 | 1520.0 | 1282.1 |
| 110° | 2746.0 | 2765.0 | 2841.0 | 2917.0 | 2841.0 | 2765.0 | 2746.0 | 2311.9 | 1733.1 | 1443.6 | 1229.2 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2707.1 | 2736.3 | 2852.9 | 2969.7 | 2852.9 | 2736.3 | 2707.1 | 2262.8 | 1670.4 | 1374.2 | 1183.0 |
| 115° | 2575.1 | 2615.5 | 2777.3 | 2939.2 | 2777.3 | 2615.5 | 2575.1 | 2147.0 | 1576.3 | 1290.9 | 1130.0 |
| 117.5° | 2392.5 | 2437.4 | 2616.9 | 2796.4 | 2616.9 | 2437.4 | 2392.5 | 2006.3 | 1491.2 | 1233.7 | 1096.7 |
| 120° | 2269.6 | 2313.2 | 2487.7 | 2662.0 | 2487.7 | 2313.2 | 2269.6 | 1916.7 | 1446.1 | 1210.8 | 1085.6 |
| 122.5° | 2146.8 | 2189.8 | 2361.8 | 2533.8 | 2361.8 | 2189.8 | 2146.8 | 1828.9 | 1405.1 | 1193.2 | 1079.7 |
| 125° | 1984.1 | 2023.8 | 2182.2 | 2340.7 | 2182.2 | 2023.8 | 1984.1 | 1714.2 | 1354.2 | 1174.1 | 1074.9 |
| 127.5° | 1853.6 | 1887.0 | 2020.7 | 2154.4 | 2020.7 | 1887.0 | 1853.6 | 1621.8 | 1312.7 | 1158.1 | 1072.1 |
| 130° | 1771.2 | 1802.0 | 1925.5 | 2049.0 | 1925.5 | 1802.0 | 1771.2 | 1564.8 | 1289.5 | 1152.0 | 1073.8 |
| 132.5° | 1700.9 | 1728.5 | 1839.2 | 1949.7 | 1839.2 | 1728.5 | 1700.9 | 1516.1 | 1269.8 | 1146.7 | 1074.9 |
| 135° | 1601.7 | 1625.5 | 1720.9 | 1816.2 | 1720.9 | 1625.5 | 1601.7 | 1446.9 | 1240.6 | 1137.5 | 1073.9 |
| 137.5° | 1528.3 | 1547.9 | 1625.9 | 1704.0 | 1625.9 | 1547.9 | 1528.3 | 1397.6 | 1223.1 | 1135.9 | 1080.5 |
| 140° | 1469.6 | 1487.9 | 1560.7 | 1633.7 | 1560.7 | 1487.9 | 1469.6 | 1356.6 | 1205.9 | 1130.6 | 1081.6 |
| 142.5° | 1428.4 | 1444.1 | 1506.9 | 1569.6 | 1506.9 | 1444.1 | 1428.4 | 1329.1 | 1196.8 | 1130.6 | 1085.4 |
| 145° | 1366.5 | 1378.4 | 1425.9 | 1473.4 | 1425.9 | 1378.4 | 1366.5 | 1285.3 | 1177.1 | 1123.0 | 1085.5 |
| 147.5° | 1314.6 | 1324.4 | 1363.8 | 1403.2 | 1363.8 | 1324.4 | 1314.6 | 1250.7 | 1165.6 | 1123.0 | 1093.0 |
| 150° | 1284.9 | 1292.8 | 1324.7 | 1356.6 | 1324.7 | 1292.8 | 1284.9 | 1230.9 | 1159.0 | 1123.0 | 1096.8 |
| 152.5° | 1261.2 | 1267.2 | 1291.3 | 1315.3 | 1291.3 | 1267.2 | 1261.2 | 1215.1 | 1153.7 | 1123.0 | 1099.4 |
| 155° | 1232.9 | 1236.9 | 1252.8 | 1268.8 | 1252.8 | 1236.9 | 1232.9 | 1196.3 | 1147.4 | 1123.0 | 1105.0 |
| 157.5° | 1208.5 | 1211.3 | 1222.5 | 1233.7 | 1222.5 | 1211.3 | 1208.5 | 1180.0 | 1142.0 | 1123.0 | 1110.6 |
| 160° | 1196.3 | 1198.0 | 1204.4 | 1210.8 | 1204.4 | 1198.0 | 1196.3 | 1171.9 | 1139.3 | 1123.0 | 1113.2 |
| 162.5° | 1184.8 | 1186.4 | 1192.5 | 1198.6 | 1192.5 | 1186.4 | 1184.8 | 1164.2 | 1136.7 | 1123.0 | 1115.8 |
| 165° | 1167.3 | 1169.0 | 1175.4 | 1181.8 | 1175.4 | 1169.0 | 1167.3 | 1152.5 | 1132.8 | 1123.0 | 1119.8 |
| 167.5° | 1159.6 | 1160.2 | 1163.0 | 1165.7 | 1163.0 | 1160.2 | 1159.6 | 1150.0 | 1137.0 | 1130.6 | 1127.8 |
| 170° | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1159.6 | 1150.0 | 1137.0 | 1130.6 | 1130.4 |
| 172.5° | 1153.5 | 1153.0 | 1150.6 | 1148.2 | 1150.6 | 1153.0 | 1153.5 | 1145.9 | 1135.7 | 1130.6 | 1130.6 |
| 175° | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1145.1 | 1140.2 | 1133.8 | 1130.6 | 1132.2 |
| 177.5° | 1143.6 | 1143.0 | 1140.2 | 1137.5 | 1140.2 | 1143.0 | 1143.6 | 1139.8 | 1134.7 | 1132.2 | 1133.4 |
| 180° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2563.2 | 2563.2 | 2563.2 | 2563.2 | 2563.2 |
| 2.5° | 2531.6 | 2543.9 | 2551.1 | 2560.8 | 2585.1 |
| 5° | 2434.6 | 2480.7 | 2495.3 | 2531.6 | 2575.3 |
| 7.5° | 2221.3 | 2362.0 | 2400.7 | 2488.1 | 2556.0 |
| 10° | 2015.2 | 2155.8 | 2223.7 | 2429.9 | 2531.6 |
| 12.5° | 1910.9 | 1993.3 | 2039.4 | 2328.0 | 2497.7 |
| 15° | 1845.4 | 1903.6 | 1937.5 | 2192.2 | 2459.0 |
| 17.5° | 1794.5 | 1835.8 | 1860.0 | 2058.8 | 2405.6 |
| 20° | 1763.0 | 1782.3 | 1804.2 | 1961.8 | 2345.0 |
| 22.5° | 1741.1 | 1729.0 | 1746.0 | 1893.9 | 2262.5 |
| 25° | 1726.6 | 1680.5 | 1699.9 | 1840.5 | 2165.5 |
| 27.5° | 1738.8 | 1636.9 | 1644.1 | 1792.1 | 2063.6 |
| 30° | 1741.1 | 1583.5 | 1586.0 | 1741.1 | 1949.6 |
| 32.5° | 1724.2 | 1527.8 | 1530.2 | 1678.1 | 1821.2 |
| 35° | 1683.0 | 1462.3 | 1459.9 | 1605.3 | 1646.5 |
| 37.5° | 1627.2 | 1392.0 | 1392.0 | 1525.3 | 1455.0 |
| 40° | 1559.3 | 1321.6 | 1328.9 | 1421.1 | 1285.2 |
| 42.5° | 1476.8 | 1246.4 | 1256.1 | 1282.8 | 1159.1 |
| 45° | 1387.1 | 1173.7 | 1181.0 | 1084.0 | 1062.1 |
| 47.5° | 1287.7 | 1098.5 | 1101.0 | 899.7 | 1030.7 |
| 50° | 1168.9 | 1020.9 | 1011.2 | 771.1 | 1028.2 |
| 52.5° | 1064.5 | 936.0 | 907.0 | 698.4 | 933.7 |
| 55° | 962.8 | 846.3 | 783.3 | 642.7 | 865.8 |
| 57.5° | 873.0 | 729.9 | 669.3 | 577.1 | 851.2 |
| 60° | 790.5 | 616.0 | 569.9 | 506.8 | 780.9 |
| 62.5° | 722.7 | 531.1 | 521.3 | 458.3 | 708.1 |
| 65° | 649.9 | 472.9 | 470.4 | 417.1 | 601.4 |
| 67.5° | 579.6 | 434.1 | 431.7 | 378.3 | 458.3 |
| 70° | 504.4 | 392.9 | 388.0 | 337.1 | 339.5 |
| 72.5° | 426.8 | 346.8 | 341.9 | 303.1 | 281.3 |
| 75° | 349.2 | 293.4 | 291.0 | 264.3 | 228.0 |
| 77.5° | 274.0 | 232.8 | 237.7 | 213.4 | 167.3 |
| 80° | 196.4 | 169.8 | 174.6 | 152.8 | 126.1 |
| 82.5° | 131.0 | 111.6 | 116.4 | 97.0 | 84.9 |
| 85° | 72.8 | 63.0 | 65.4 | 50.9 | 38.8 |
| 87.5° | 34.0 | 29.1 | 29.1 | 19.4 | 12.1 |
| 90° | 33.6 | 21.4 | 19.8 | 13.8 | 7.6 |
| 92.5° | 207.1 | 147.4 | 134.4 | 82.5 | 30.6 |
| 95° | 509.7 | 287.1 | 263.3 | 168.3 | 73.3 |
| 97.5° | 686.6 | 315.3 | 294.4 | 210.5 | 126.7 |
| 100° | 750.9 | 339.0 | 320.0 | 243.9 | 167.9 |
| 102.5° | 780.4 | 362.6 | 344.9 | 273.9 | 203.1 |
| 105° | 802.3 | 397.7 | 382.7 | 322.7 | 262.6 |
| 107.5° | 806.5 | 449.7 | 435.6 | 379.7 | 323.7 |
| 110° | 800.3 | 478.7 | 466.0 | 415.4 | 364.9 |



TEST NUMBER: P935268

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 800.6 | 513.8 | 501.8 | 453.5 | 405.3 |
| 115° | 807.9 | 566.5 | 555.4 | 510.9 | 466.5 |
| 117.5° | 823.0 | 617.6 | 607.5 | 567.1 | 526.8 |
| 120° | 835.2 | 647.3 | 637.9 | 599.9 | 561.9 |
| 122.5° | 852.7 | 682.5 | 672.9 | 634.6 | 596.2 |
| 125° | 876.4 | 727.5 | 718.8 | 683.9 | 648.9 |
| 127.5° | 900.1 | 771.0 | 762.2 | 726.9 | 691.7 |
| 130° | 917.3 | 800.0 | 790.5 | 752.5 | 714.5 |
| 132.5° | 931.4 | 823.7 | 814.2 | 776.2 | 738.2 |
| 135° | 946.7 | 851.3 | 842.6 | 807.9 | 773.3 |
| 137.5° | 969.5 | 886.3 | 877.8 | 843.5 | 809.2 |
| 140° | 983.5 | 910.0 | 902.1 | 870.5 | 839.0 |
| 142.5° | 995.2 | 927.5 | 920.3 | 891.1 | 861.9 |
| 145° | 1010.6 | 954.3 | 948.0 | 922.5 | 897.0 |
| 147.5° | 1033.0 | 987.9 | 981.7 | 956.9 | 932.1 |
| 150° | 1044.6 | 1005.4 | 999.8 | 977.4 | 955.0 |
| 152.5° | 1052.2 | 1016.9 | 1012.7 | 995.7 | 978.7 |
| 155° | 1069.0 | 1042.0 | 1038.9 | 1026.4 | 1013.8 |
| 157.5° | 1085.8 | 1067.3 | 1064.3 | 1052.0 | 1039.7 |
| 160° | 1093.5 | 1078.8 | 1076.4 | 1066.9 | 1057.4 |
| 162.5° | 1101.6 | 1091.0 | 1089.2 | 1082.1 | 1074.9 |
| 165° | 1113.3 | 1108.5 | 1106.8 | 1100.4 | 1094.0 |
| 167.5° | 1122.4 | 1118.4 | 1117.7 | 1114.5 | 1111.5 |
| 170° | 1130.1 | 1129.9 | 1129.1 | 1126.0 | 1123.0 |
| 172.5° | 1130.6 | 1130.6 | 1130.4 | 1129.8 | 1129.1 |
| 175° | 1135.2 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |
| 177.5° | 1135.7 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |
| 180° | 1137.5 | 1137.5 | 1137.5 | 1137.5 | 1137.5 |



TEST NUMBER: P935268
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-5000K

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 | 13.17 | 14.00 | 14.14 | 15.00 | 16.30 | 16.00 | 16.84 | 16.98 | 17.83 | 19.14 |
| | 3H | 13.64 | 14.39 | 14.63 | 15.39 | 16.72 | 17.35 | 18.10 | 18.34 | 19.10 | 20.43 |
| | 4H | 13.83 | 14.54 | 14.83 | 15.55 | 16.88 | 17.79 | 18.51 | 18.80 | 19.51 | 20.85 |
| | 6H | 13.95 | 14.60 | 14.96 | 15.61 | 16.96 | 18.08 | 18.74 | 19.09 | 19.74 | 21.09 |
| | 8H | 13.95 | 14.57 | 14.97 | 15.60 | 16.95 | 18.16 | 18.78 | 19.17 | 19.80 | 21.15 |
| | 12H | 13.92 | 14.51 | 14.94 | 15.53 | 16.90 | 18.19 | 18.79 | 19.22 | 19.81 | 21.18 |
| 4H | 2H | 14.20 | 14.91 | 15.21 | 15.91 | 17.25 | 16.41 | 17.12 | 17.42 | 18.13 | 19.46 |
| | 3H | 15.22 | 15.82 | 16.24 | 16.85 | 18.20 | 17.92 | 18.51 | 18.93 | 19.54 | 20.89 |
| | 4H | 15.50 | 16.04 | 16.52 | 17.07 | 18.44 | 18.44 | 18.99 | 19.47 | 20.01 | 21.39 |
| | 6H | 15.62 | 16.09 | 16.66 | 17.14 | 18.51 | 18.81 | 19.28 | 19.85 | 20.33 | 21.70 |
| | 8H | 15.63 | 16.06 | 16.66 | 17.10 | 18.49 | 18.92 | 19.35 | 19.96 | 20.40 | 21.78 |
| | 12H | 15.59 | 15.99 | 16.65 | 17.04 | 18.43 | 18.97 | 19.37 | 20.03 | 20.42 | 21.82 |
| 8H | 4H | 15.95 | 16.39 | 16.99 | 17.43 | 18.81 | 18.57 | 19.00 | 19.60 | 20.04 | 21.43 |
| | 6H | 16.21 | 16.57 | 17.27 | 17.65 | 19.04 | 19.00 | 19.36 | 20.07 | 20.45 | 21.83 |
| | 8H | 16.25 | 16.57 | 17.32 | 17.64 | 19.04 | 19.16 | 19.47 | 20.23 | 20.54 | 21.94 |
| | 12H | 16.24 | 16.52 | 17.31 | 17.58 | 19.02 | 19.26 | 19.53 | 20.33 | 20.60 | 22.04 |
| 12H | 4H | 15.96 | 16.35 | 17.01 | 17.41 | 18.80 | 18.53 | 18.92 | 19.59 | 19.98 | 21.37 |
| | 6H | 16.27 | 16.59 | 17.34 | 17.66 | 19.06 | 19.00 | 19.32 | 20.07 | 20.39 | 21.79 |
| | 8H | 16.34 | 16.62 | 17.41 | 17.68 | 19.12 | 19.16 | 19.44 | 20.24 | 20.50 | 21.95 |