

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: P935247

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935247
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-92765-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

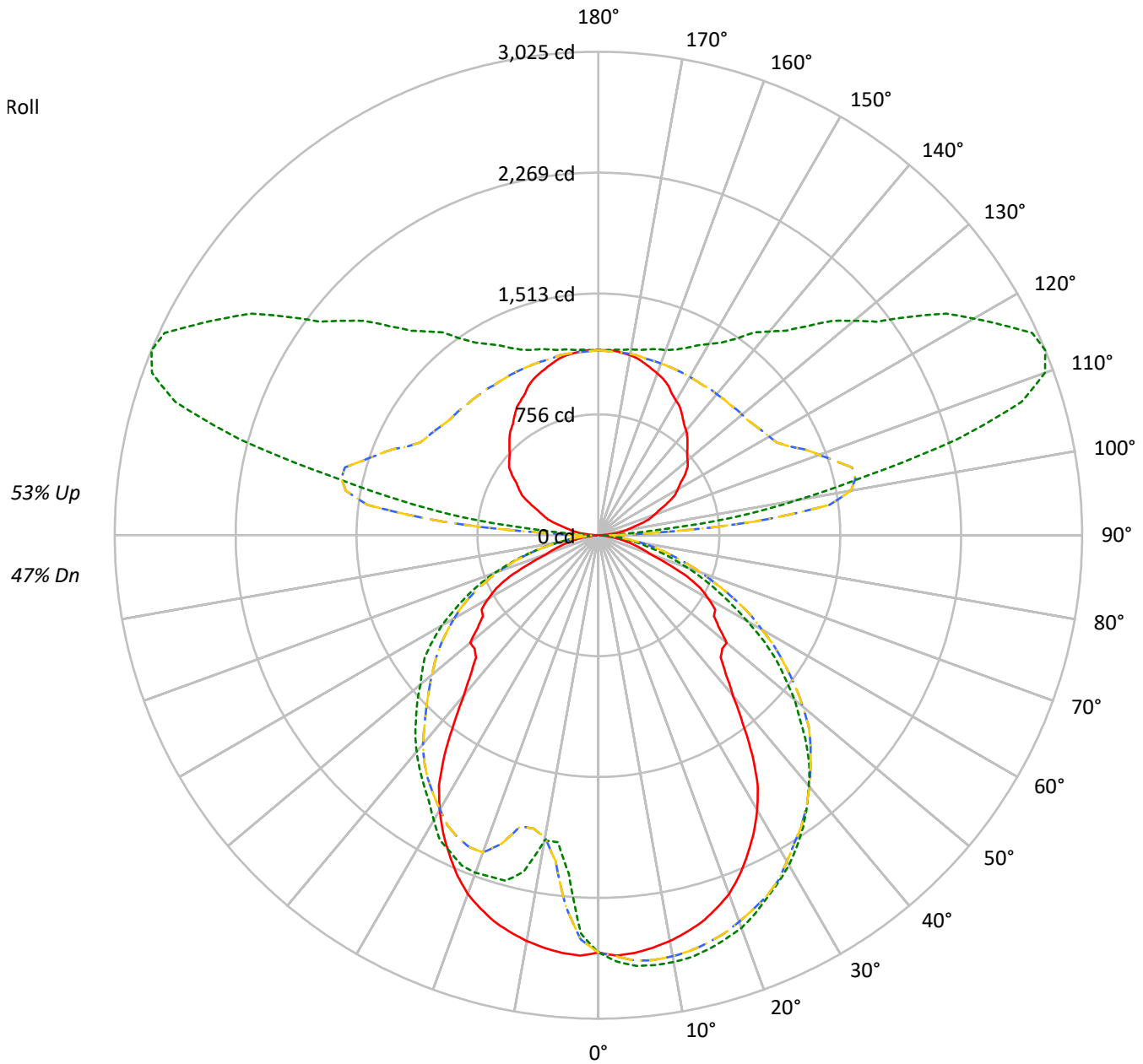
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14284.2 lumens
Efficiency: N/A
Efficacy: 123.1 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

TEST NUMBER: P935247
CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

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° | 12113 | 12113 | 12113 | 12113 |
| 5° | 12203 | 12227 | 12203 | 9614 |
| 10° | 12122 | 12044 | 12122 | 8611 |
| 15° | 11990 | 11784 | 11990 | 9840 |
| 20° | 11740 | 11475 | 11740 | 9860 |
| 25° | 11226 | 11024 | 11226 | 9651 |
| 30° | 10562 | 10649 | 10562 | 9193 |
| 35° | 9416 | 10176 | 9416 | 8688 |
| 40° | 7846 | 9618 | 7846 | 8307 |
| 45° | 7011 | 8966 | 7011 | 7869 |
| 50° | 7448 | 8188 | 7448 | 7430 |
| 55° | 7008 | 7349 | 7008 | 7175 |
| 60° | 7223 | 6242 | 7223 | 6572 |
| 65° | 6549 | 5160 | 6549 | 5768 |
| 70° | 4534 | 4113 | 4534 | 4834 |
| 75° | 3977 | 3040 | 3977 | 3640 |
| 80° | 3204 | 2010 | 3204 | 2189 |
| 85° | 1840 | 1064 | 1840 | 904 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10745 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 235.7 | 1.6 |
| 10°-20° | 669.1 | 4.7 |
| 20°-30° | 1034.3 | 7.2 |
| 30°-40° | 1234.8 | 8.6 |
| 40°-50° | 1242.0 | 8.7 |
| 50°-60° | 1080.7 | 7.6 |
| 60°-70° | 766.2 | 5.4 |
| 70°-80° | 405.4 | 2.8 |
| 80°-90° | 105.4 | 0.7 |
| 90°-100° | 564.8 | 4.0 |
| 100°-110° | 1484.7 | 10.4 |
| 110°-120° | 1539.5 | 10.8 |
| 120°-130° | 1234.9 | 8.6 |
| 130°-140° | 968.9 | 6.8 |
| 140°-150° | 743.7 | 5.2 |
| 150°-160° | 535.6 | 3.7 |
| 160°-170° | 327.7 | 2.3 |
| 170°-180° | 110.7 | 0.8 |
| 0°-30° | 1939.1 | 13.6 |
| 0°-40° | 3173.9 | 22.2 |
| 0°-60° | 5496.6 | 38.5 |
| 0°-90° | 6773.6 | 47.4 |
| 90°-120° | 3589.0 | 25.1 |
| 90°-150° | 6536.6 | 45.8 |
| 90°-180° | 7511.0 | 52.6 |
| 0°-180° | 14284.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2611 | 2611 | 2611 | 2611 | 2611 | |
| 5° | 2623 | 2705 | 2623 | 2127 | 2623 | 249 |
| 15° | 2504 | 2680 | 2504 | 2238 | 2504 | 705 |
| 25° | 2206 | 2500 | 2206 | 2188 | 2206 | 1013 |
| 35° | 1677 | 2230 | 1677 | 1904 | 1677 | 1038 |
| 45° | 1082 | 1838 | 1082 | 1613 | 1082 | 867 |
| 55° | 882 | 1356 | 882 | 1324 | 882 | 810 |
| 65° | 612 | 818 | 612 | 914 | 612 | 585 |
| 75° | 232 | 388 | 232 | 464 | 232 | 244 |
| 85° | 40 | 99 | 40 | 84 | 40 | 53 |
| 90° | 8 | 30 | 8 | 30 | 8 | 8 |
| 95° | 75 | 341 | 75 | 341 | 75 | 83 |
| 105° | 268 | 2325 | 268 | 2325 | 268 | 284 |
| 115° | 475 | 2994 | 475 | 2994 | 475 | 469 |
| 125° | 661 | 2384 | 661 | 2384 | 661 | 587 |
| 135° | 788 | 1850 | 788 | 1850 | 788 | 609 |
| 145° | 914 | 1501 | 914 | 1501 | 914 | 572 |
| 155° | 1033 | 1292 | 1033 | 1292 | 1033 | 474 |
| 165° | 1114 | 1204 | 1114 | 1204 | 1114 | 314 |
| 175° | 1159 | 1166 | 1159 | 1166 | 1159 | 110 |
| 180° | 1159 | 1159 | 1159 | 1159 | 1159 | |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 |
| 2.5° | 2633.0 | 2633.0 | 2647.7 | 2652.7 | 2652.7 | 2645.3 | 2637.9 | 2645.3 | 2667.6 | 2674.9 | 2672.5 |
| 5° | 2623.1 | 2642.8 | 2670.0 | 2674.9 | 2679.9 | 2677.4 | 2672.5 | 2677.4 | 2702.1 | 2707.1 | 2709.5 |
| 7.5° | 2603.3 | 2640.4 | 2674.9 | 2682.3 | 2689.8 | 2682.3 | 2679.9 | 2684.8 | 2709.5 | 2714.5 | 2714.5 |
| 10° | 2578.6 | 2630.4 | 2670.0 | 2674.9 | 2682.3 | 2674.9 | 2674.9 | 2684.8 | 2709.5 | 2714.5 | 2716.9 |
| 12.5° | 2544.0 | 2615.7 | 2652.7 | 2657.6 | 2667.6 | 2665.0 | 2662.6 | 2672.5 | 2697.2 | 2702.1 | 2702.1 |
| 15° | 2504.5 | 2588.5 | 2623.1 | 2628.0 | 2645.3 | 2640.4 | 2640.4 | 2650.3 | 2677.4 | 2684.8 | 2682.3 |
| 17.5° | 2450.1 | 2553.9 | 2593.4 | 2600.8 | 2613.2 | 2610.7 | 2613.2 | 2623.1 | 2647.7 | 2652.7 | 2655.2 |
| 20° | 2388.5 | 2507.0 | 2553.9 | 2561.3 | 2573.7 | 2573.7 | 2573.7 | 2586.1 | 2610.7 | 2620.6 | 2620.6 |
| 22.5° | 2304.4 | 2457.6 | 2507.0 | 2511.9 | 2526.7 | 2526.7 | 2531.7 | 2548.9 | 2571.2 | 2573.7 | 2573.7 |
| 25° | 2205.6 | 2403.2 | 2445.2 | 2460.1 | 2474.9 | 2482.3 | 2489.7 | 2499.6 | 2507.0 | 2504.5 | 2507.0 |
| 27.5° | 2101.9 | 2334.1 | 2388.5 | 2398.3 | 2418.1 | 2425.5 | 2435.4 | 2437.8 | 2440.3 | 2447.7 | 2442.8 |
| 30° | 1985.8 | 2237.8 | 2319.3 | 2329.2 | 2361.3 | 2366.2 | 2356.3 | 2361.3 | 2373.6 | 2378.5 | 2383.5 |
| 32.5° | 1854.9 | 2094.5 | 2247.7 | 2269.8 | 2299.5 | 2284.7 | 2282.2 | 2289.7 | 2309.4 | 2309.4 | 2314.3 |
| 35° | 1677.0 | 1983.4 | 2180.9 | 2200.7 | 2222.9 | 2205.6 | 2215.5 | 2218.0 | 2230.4 | 2237.8 | 2235.3 |
| 37.5° | 1482.0 | 1887.0 | 2111.8 | 2126.6 | 2143.9 | 2121.7 | 2136.5 | 2143.9 | 2153.7 | 2148.9 | 2148.9 |
| 40° | 1309.1 | 1736.4 | 2030.3 | 2040.2 | 2055.0 | 2037.7 | 2052.5 | 2057.5 | 2062.4 | 2057.5 | 2055.0 |
| 42.5° | 1180.6 | 1570.9 | 1943.8 | 1956.2 | 1946.3 | 1958.7 | 1963.6 | 1973.4 | 1966.1 | 1956.2 | 1956.2 |
| 45° | 1081.8 | 1526.4 | 1850.0 | 1864.8 | 1850.0 | 1869.8 | 1877.2 | 1877.2 | 1854.9 | 1850.0 | 1847.5 |
| 47.5° | 1049.8 | 1437.5 | 1756.1 | 1756.1 | 1748.7 | 1773.4 | 1785.8 | 1768.5 | 1746.2 | 1738.8 | 1738.8 |
| 50° | 1047.2 | 1338.7 | 1627.7 | 1617.8 | 1652.4 | 1682.0 | 1669.7 | 1652.4 | 1635.1 | 1607.9 | 1607.9 |
| 52.5° | 951.0 | 1217.6 | 1462.2 | 1499.3 | 1553.6 | 1570.9 | 1551.1 | 1533.9 | 1504.2 | 1491.9 | 1482.0 |
| 55° | 881.8 | 1091.7 | 1311.6 | 1385.6 | 1442.4 | 1464.7 | 1427.6 | 1410.4 | 1365.9 | 1358.5 | 1353.5 |
| 57.5° | 866.9 | 908.9 | 1173.2 | 1267.1 | 1336.3 | 1333.7 | 1311.6 | 1279.4 | 1242.4 | 1234.9 | 1232.5 |
| 60° | 795.3 | 657.0 | 1025.0 | 1136.1 | 1207.8 | 1200.3 | 1180.6 | 1151.0 | 1116.4 | 1111.5 | 1106.5 |
| 62.5° | 721.2 | 476.7 | 857.0 | 983.0 | 1084.3 | 1081.8 | 1064.5 | 1020.0 | 995.4 | 983.0 | 973.1 |
| 65° | 612.5 | 400.1 | 610.1 | 817.6 | 963.3 | 968.2 | 931.2 | 899.1 | 871.9 | 857.0 | 854.6 |
| 67.5° | 466.8 | 326.0 | 412.5 | 681.7 | 847.2 | 842.3 | 795.3 | 780.5 | 745.9 | 738.5 | 723.6 |
| 70° | 345.7 | 217.3 | 286.5 | 553.3 | 733.6 | 721.2 | 684.2 | 666.9 | 634.8 | 617.5 | 607.6 |
| 72.5° | 286.5 | 175.4 | 209.9 | 429.8 | 617.5 | 602.7 | 570.5 | 550.8 | 523.6 | 508.8 | 498.9 |
| 75° | 232.2 | 185.3 | 160.6 | 318.6 | 501.4 | 491.6 | 461.8 | 442.1 | 419.9 | 400.1 | 402.6 |
| 77.5° | 170.4 | 172.9 | 128.4 | 234.6 | 397.6 | 382.9 | 365.6 | 340.9 | 331.0 | 311.3 | 311.3 |
| 80° | 128.4 | 135.8 | 96.4 | 160.6 | 286.5 | 286.5 | 271.7 | 254.4 | 237.1 | 227.2 | 227.2 |
| 82.5° | 86.5 | 86.5 | 71.6 | 101.2 | 195.2 | 187.7 | 177.9 | 172.9 | 163.0 | 158.1 | 158.1 |
| 85° | 39.5 | 49.4 | 44.5 | 61.8 | 106.2 | 111.1 | 111.1 | 106.2 | 103.8 | 98.8 | 101.2 |
| 87.5° | 12.3 | 22.2 | 27.2 | 34.6 | 54.3 | 56.8 | 59.3 | 59.3 | 59.3 | 61.8 | 61.8 |
| 90° | 7.8 | 14.0 | 20.2 | 21.8 | 34.2 | 50.8 | 59.1 | 52.5 | 39.4 | 29.5 | 29.5 |
| 92.5° | 31.1 | 84.0 | 136.9 | 150.1 | 211.0 | 292.2 | 332.8 | 291.6 | 209.5 | 147.8 | 141.9 |
| 95° | 74.7 | 171.4 | 268.2 | 292.4 | 519.1 | 821.5 | 972.7 | 868.1 | 658.6 | 501.6 | 483.8 |
| 97.5° | 129.1 | 214.4 | 299.9 | 321.2 | 699.3 | 1203.5 | 1455.6 | 1389.4 | 1257.1 | 1157.8 | 1124.0 |
| 100° | 171.1 | 248.4 | 325.9 | 345.3 | 764.9 | 1324.4 | 1604.1 | 1609.0 | 1618.6 | 1625.9 | 1585.5 |
| 102.5° | 206.9 | 279.0 | 351.3 | 369.3 | 794.9 | 1362.3 | 1646.1 | 1730.4 | 1899.1 | 2025.6 | 1991.0 |
| 105° | 267.5 | 328.6 | 389.8 | 405.1 | 817.2 | 1366.7 | 1641.4 | 1830.4 | 2208.5 | 2492.1 | 2473.5 |
| 107.5° | 329.7 | 386.7 | 443.7 | 458.0 | 821.4 | 1305.9 | 1548.2 | 1811.8 | 2339.2 | 2734.7 | 2739.2 |
| 110° | 371.6 | 423.1 | 474.6 | 487.5 | 815.2 | 1251.9 | 1470.4 | 1765.2 | 2354.7 | 2796.9 | 2816.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.9 | 461.9 | 511.1 | 523.3 | 815.4 | 1204.9 | 1399.6 | 1701.4 | 2304.7 | 2757.3 | 2787.0 |
| 115° | 475.1 | 520.4 | 565.7 | 577.0 | 822.9 | 1150.9 | 1314.9 | 1605.5 | 2186.8 | 2622.8 | 2664.0 |
| 117.5° | 536.5 | 577.6 | 618.8 | 629.1 | 838.2 | 1117.1 | 1256.5 | 1518.8 | 2043.5 | 2436.9 | 2482.6 |
| 120° | 572.3 | 611.0 | 649.7 | 659.3 | 850.7 | 1105.8 | 1233.3 | 1472.9 | 1952.2 | 2311.7 | 2356.1 |
| 122.5° | 607.3 | 646.3 | 685.4 | 695.1 | 868.5 | 1099.7 | 1215.3 | 1431.1 | 1862.8 | 2186.6 | 2230.4 |
| 125° | 660.9 | 696.5 | 732.2 | 741.0 | 892.6 | 1094.8 | 1195.9 | 1379.3 | 1745.9 | 2020.9 | 2061.3 |
| 127.5° | 704.5 | 740.4 | 776.4 | 785.3 | 916.8 | 1092.0 | 1179.6 | 1337.0 | 1651.8 | 1887.9 | 1921.9 |
| 130° | 727.8 | 766.5 | 805.2 | 814.9 | 934.3 | 1093.7 | 1173.3 | 1313.4 | 1593.8 | 1804.0 | 1835.4 |
| 132.5° | 751.9 | 790.6 | 829.3 | 839.0 | 948.6 | 1094.8 | 1167.9 | 1293.4 | 1544.2 | 1732.4 | 1760.5 |
| 135° | 787.7 | 822.9 | 858.2 | 867.0 | 964.2 | 1093.8 | 1158.6 | 1263.6 | 1473.8 | 1631.3 | 1655.6 |
| 137.5° | 824.2 | 859.1 | 894.0 | 902.7 | 987.5 | 1100.5 | 1157.0 | 1245.8 | 1423.5 | 1556.7 | 1576.6 |
| 140° | 854.5 | 886.7 | 918.8 | 926.9 | 1001.7 | 1101.6 | 1151.6 | 1228.3 | 1381.8 | 1496.8 | 1515.4 |
| 142.5° | 877.9 | 907.6 | 937.3 | 944.7 | 1013.7 | 1105.6 | 1151.6 | 1219.0 | 1353.7 | 1454.9 | 1470.9 |
| 145° | 913.7 | 939.6 | 965.6 | 972.0 | 1029.3 | 1105.7 | 1143.8 | 1198.9 | 1309.1 | 1391.9 | 1403.9 |
| 147.5° | 949.4 | 974.6 | 999.9 | 1006.2 | 1052.1 | 1113.2 | 1143.8 | 1187.2 | 1273.9 | 1339.0 | 1349.0 |
| 150° | 972.7 | 995.6 | 1018.4 | 1024.1 | 1064.0 | 1117.2 | 1143.8 | 1180.4 | 1253.7 | 1308.7 | 1316.8 |
| 152.5° | 996.9 | 1014.2 | 1031.4 | 1035.7 | 1071.7 | 1119.8 | 1143.8 | 1175.1 | 1237.6 | 1284.6 | 1290.7 |
| 155° | 1032.6 | 1045.4 | 1058.2 | 1061.4 | 1088.8 | 1125.5 | 1143.8 | 1168.7 | 1218.5 | 1255.8 | 1259.8 |
| 157.5° | 1059.0 | 1071.5 | 1084.0 | 1087.1 | 1105.9 | 1131.2 | 1143.8 | 1163.1 | 1201.8 | 1230.9 | 1233.7 |
| 160° | 1077.0 | 1086.7 | 1096.3 | 1098.7 | 1113.8 | 1133.8 | 1143.8 | 1160.4 | 1193.6 | 1218.5 | 1220.2 |
| 162.5° | 1094.8 | 1102.1 | 1109.4 | 1111.2 | 1122.0 | 1136.5 | 1143.8 | 1157.8 | 1185.8 | 1206.8 | 1208.4 |
| 165° | 1114.3 | 1120.8 | 1127.3 | 1129.0 | 1134.0 | 1140.5 | 1143.8 | 1153.8 | 1173.9 | 1188.9 | 1190.6 |
| 167.5° | 1132.1 | 1135.2 | 1138.4 | 1139.1 | 1143.2 | 1148.8 | 1151.6 | 1158.1 | 1171.3 | 1181.1 | 1181.7 |
| 170° | 1143.8 | 1146.9 | 1150.1 | 1150.8 | 1151.1 | 1151.4 | 1151.6 | 1158.1 | 1171.3 | 1181.1 | 1181.1 |
| 172.5° | 1150.1 | 1150.7 | 1151.4 | 1151.6 | 1151.6 | 1151.6 | 1151.6 | 1156.8 | 1167.2 | 1174.9 | 1174.4 |
| 175° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1156.2 | 1153.1 | 1151.6 | 1154.8 | 1161.4 | 1166.3 | 1166.3 |
| 177.5° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1156.8 | 1154.4 | 1153.1 | 1155.8 | 1160.9 | 1164.8 | 1164.2 |
| 180° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 |
| 2.5° | 2677.4 | 2670.0 | 2677.4 | 2672.5 | 2674.9 | 2667.6 | 2645.3 | 2637.9 | 2645.3 | 2652.7 | 2652.7 |
| 5° | 2709.5 | 2704.6 | 2709.5 | 2709.5 | 2707.1 | 2702.1 | 2677.4 | 2672.5 | 2677.4 | 2679.9 | 2674.9 |
| 7.5° | 2719.4 | 2712.0 | 2719.4 | 2714.5 | 2714.5 | 2709.5 | 2684.8 | 2679.9 | 2682.3 | 2689.8 | 2682.3 |
| 10° | 2719.4 | 2712.0 | 2719.4 | 2716.9 | 2714.5 | 2709.5 | 2684.8 | 2674.9 | 2674.9 | 2682.3 | 2674.9 |
| 12.5° | 2707.1 | 2702.1 | 2707.1 | 2702.1 | 2702.1 | 2697.2 | 2672.5 | 2662.6 | 2665.0 | 2667.6 | 2657.6 |
| 15° | 2687.3 | 2679.9 | 2687.3 | 2682.3 | 2684.8 | 2677.4 | 2650.3 | 2640.4 | 2640.4 | 2645.3 | 2628.0 |
| 17.5° | 2657.6 | 2647.7 | 2657.6 | 2655.2 | 2652.7 | 2647.7 | 2623.1 | 2613.2 | 2610.7 | 2613.2 | 2600.8 |
| 20° | 2623.1 | 2615.7 | 2623.1 | 2620.6 | 2620.6 | 2610.7 | 2586.1 | 2573.7 | 2573.7 | 2573.7 | 2561.3 |
| 22.5° | 2568.8 | 2561.3 | 2568.8 | 2573.7 | 2573.7 | 2571.2 | 2548.9 | 2531.7 | 2526.7 | 2526.7 | 2511.9 |
| 25° | 2507.0 | 2499.6 | 2507.0 | 2507.0 | 2504.5 | 2507.0 | 2499.6 | 2489.7 | 2482.3 | 2474.9 | 2460.1 |
| 27.5° | 2447.7 | 2442.8 | 2447.7 | 2442.8 | 2447.7 | 2440.3 | 2437.8 | 2435.4 | 2425.5 | 2418.1 | 2398.3 |
| 30° | 2388.5 | 2383.5 | 2388.5 | 2383.5 | 2378.5 | 2373.6 | 2361.3 | 2356.3 | 2366.2 | 2361.3 | 2329.2 |
| 32.5° | 2314.3 | 2309.4 | 2314.3 | 2314.3 | 2309.4 | 2309.4 | 2289.7 | 2282.2 | 2284.7 | 2299.5 | 2269.8 |
| 35° | 2237.8 | 2230.4 | 2237.8 | 2235.3 | 2237.8 | 2230.4 | 2218.0 | 2215.5 | 2205.6 | 2222.9 | 2200.7 |
| 37.5° | 2148.9 | 2141.4 | 2148.9 | 2148.9 | 2148.9 | 2153.7 | 2143.9 | 2136.5 | 2121.7 | 2143.9 | 2126.6 |
| 40° | 2057.5 | 2047.6 | 2057.5 | 2055.0 | 2057.5 | 2062.4 | 2057.5 | 2052.5 | 2037.7 | 2055.0 | 2040.2 |
| 42.5° | 1953.7 | 1951.3 | 1953.7 | 1956.2 | 1956.2 | 1966.1 | 1973.4 | 1963.6 | 1958.7 | 1946.3 | 1956.2 |
| 45° | 1842.6 | 1837.6 | 1842.6 | 1847.5 | 1850.0 | 1854.9 | 1877.2 | 1877.2 | 1869.8 | 1850.0 | 1864.8 |
| 47.5° | 1724.0 | 1711.6 | 1724.0 | 1738.8 | 1738.8 | 1746.2 | 1768.5 | 1785.8 | 1773.4 | 1748.7 | 1756.1 |
| 50° | 1598.1 | 1600.5 | 1598.1 | 1607.9 | 1607.9 | 1635.1 | 1652.4 | 1669.7 | 1682.0 | 1652.4 | 1617.8 |
| 52.5° | 1474.6 | 1472.1 | 1474.6 | 1482.0 | 1491.9 | 1504.2 | 1533.9 | 1551.1 | 1570.9 | 1553.6 | 1499.3 |
| 55° | 1351.0 | 1356.0 | 1351.0 | 1353.5 | 1358.5 | 1365.9 | 1410.4 | 1427.6 | 1464.7 | 1442.4 | 1385.6 |
| 57.5° | 1227.5 | 1220.2 | 1227.5 | 1232.5 | 1234.9 | 1242.4 | 1279.4 | 1311.6 | 1333.7 | 1336.3 | 1267.1 |
| 60° | 1084.3 | 1074.4 | 1084.3 | 1106.5 | 1111.5 | 1116.4 | 1151.0 | 1180.6 | 1200.3 | 1207.8 | 1136.1 |
| 62.5° | 958.4 | 941.1 | 958.4 | 973.1 | 983.0 | 995.4 | 1020.0 | 1064.5 | 1081.8 | 1084.3 | 983.0 |
| 65° | 825.0 | 817.6 | 825.0 | 854.6 | 857.0 | 871.9 | 899.1 | 931.2 | 968.2 | 963.3 | 817.6 |
| 67.5° | 703.9 | 703.9 | 703.9 | 723.6 | 738.5 | 745.9 | 780.5 | 795.3 | 842.3 | 847.2 | 681.7 |
| 70° | 592.8 | 590.4 | 592.8 | 607.6 | 617.5 | 634.8 | 666.9 | 684.2 | 721.2 | 733.6 | 553.3 |
| 72.5° | 486.6 | 484.1 | 486.6 | 498.9 | 508.8 | 523.6 | 550.8 | 570.5 | 602.7 | 617.5 | 429.8 |
| 75° | 392.8 | 387.8 | 392.8 | 402.6 | 400.1 | 419.9 | 442.1 | 461.8 | 491.6 | 501.4 | 318.6 |
| 77.5° | 301.3 | 301.3 | 301.3 | 311.3 | 311.3 | 331.0 | 340.9 | 365.6 | 382.9 | 397.6 | 234.6 |
| 80° | 224.8 | 222.3 | 224.8 | 227.2 | 227.2 | 237.1 | 254.4 | 271.7 | 286.5 | 286.5 | 160.6 |
| 82.5° | 158.1 | 153.1 | 158.1 | 158.1 | 158.1 | 163.0 | 172.9 | 177.9 | 187.7 | 195.2 | 101.2 |
| 85° | 98.8 | 98.8 | 98.8 | 101.2 | 98.8 | 103.8 | 106.2 | 111.1 | 111.1 | 106.2 | 61.8 |
| 87.5° | 64.2 | 61.8 | 64.2 | 61.8 | 61.8 | 59.3 | 59.3 | 59.3 | 56.8 | 54.3 | 34.6 |
| 90° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 39.4 | 52.5 | 59.1 | 50.8 | 34.2 | 21.8 |
| 92.5° | 118.4 | 94.9 | 118.4 | 141.9 | 147.8 | 209.5 | 291.6 | 332.8 | 292.2 | 211.0 | 150.1 |
| 95° | 412.6 | 341.4 | 412.6 | 483.8 | 501.6 | 658.6 | 868.1 | 972.7 | 821.5 | 519.1 | 292.4 |
| 97.5° | 988.5 | 853.0 | 988.5 | 1124.0 | 1157.8 | 1257.1 | 1389.4 | 1455.6 | 1203.5 | 699.3 | 321.2 |
| 100° | 1424.2 | 1262.8 | 1424.2 | 1585.5 | 1625.9 | 1618.6 | 1609.0 | 1604.1 | 1324.4 | 764.9 | 345.3 |
| 102.5° | 1852.8 | 1714.5 | 1852.8 | 1991.0 | 2025.6 | 1899.1 | 1730.4 | 1646.1 | 1362.3 | 794.9 | 369.3 |
| 105° | 2399.2 | 2324.9 | 2399.2 | 2473.5 | 2492.1 | 2208.5 | 1830.4 | 1641.4 | 1366.7 | 817.2 | 405.1 |
| 107.5° | 2757.2 | 2775.1 | 2757.2 | 2739.2 | 2734.7 | 2339.2 | 1811.8 | 1548.2 | 1305.9 | 821.4 | 458.0 |
| 110° | 2893.7 | 2971.1 | 2893.7 | 2816.3 | 2796.9 | 2354.7 | 1765.2 | 1470.4 | 1251.9 | 815.2 | 487.5 |



TEST NUMBER: P935247

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2905.8 | 3024.7 | 2905.8 | 2787.0 | 2757.3 | 2304.7 | 1701.4 | 1399.6 | 1204.9 | 815.4 | 523.3 |
| 115° | 2828.8 | 2993.7 | 2828.8 | 2664.0 | 2622.8 | 2186.8 | 1605.5 | 1314.9 | 1150.9 | 822.9 | 577.0 |
| 117.5° | 2665.4 | 2848.2 | 2665.4 | 2482.6 | 2436.9 | 2043.5 | 1518.8 | 1256.5 | 1117.1 | 838.2 | 629.1 |
| 120° | 2533.8 | 2711.4 | 2533.8 | 2356.1 | 2311.7 | 1952.2 | 1472.9 | 1233.3 | 1105.8 | 850.7 | 659.3 |
| 122.5° | 2405.6 | 2580.7 | 2405.6 | 2230.4 | 2186.6 | 1862.8 | 1431.1 | 1215.3 | 1099.7 | 868.5 | 695.1 |
| 125° | 2222.6 | 2384.1 | 2222.6 | 2061.3 | 2020.9 | 1745.9 | 1379.3 | 1195.9 | 1094.8 | 892.6 | 741.0 |
| 127.5° | 2058.1 | 2194.3 | 2058.1 | 1921.9 | 1887.9 | 1651.8 | 1337.0 | 1179.6 | 1092.0 | 916.8 | 785.3 |
| 130° | 1961.2 | 2087.0 | 1961.2 | 1835.4 | 1804.0 | 1593.8 | 1313.4 | 1173.3 | 1093.7 | 934.3 | 814.9 |
| 132.5° | 1873.2 | 1985.9 | 1873.2 | 1760.5 | 1732.4 | 1544.2 | 1293.4 | 1167.9 | 1094.8 | 948.6 | 839.0 |
| 135° | 1752.8 | 1849.9 | 1752.8 | 1655.6 | 1631.3 | 1473.8 | 1263.6 | 1158.6 | 1093.8 | 964.2 | 867.0 |
| 137.5° | 1656.0 | 1735.6 | 1656.0 | 1576.6 | 1556.7 | 1423.5 | 1245.8 | 1157.0 | 1100.5 | 987.5 | 902.7 |
| 140° | 1589.7 | 1664.0 | 1589.7 | 1515.4 | 1496.8 | 1381.8 | 1228.3 | 1151.6 | 1101.6 | 1001.7 | 926.9 |
| 142.5° | 1534.8 | 1598.7 | 1534.8 | 1470.9 | 1454.9 | 1353.7 | 1219.0 | 1151.6 | 1105.6 | 1013.7 | 944.7 |
| 145° | 1452.3 | 1500.7 | 1452.3 | 1403.9 | 1391.9 | 1309.1 | 1198.9 | 1143.8 | 1105.7 | 1029.3 | 972.0 |
| 147.5° | 1389.1 | 1429.2 | 1389.1 | 1349.0 | 1339.0 | 1273.9 | 1187.2 | 1143.8 | 1113.2 | 1052.1 | 1006.2 |
| 150° | 1349.2 | 1381.8 | 1349.2 | 1316.8 | 1308.7 | 1253.7 | 1180.4 | 1143.8 | 1117.2 | 1064.0 | 1024.1 |
| 152.5° | 1315.2 | 1339.7 | 1315.2 | 1290.7 | 1284.6 | 1237.6 | 1175.1 | 1143.8 | 1119.8 | 1071.7 | 1035.7 |
| 155° | 1276.1 | 1292.3 | 1276.1 | 1259.8 | 1255.8 | 1218.5 | 1168.7 | 1143.8 | 1125.5 | 1088.8 | 1061.4 |
| 157.5° | 1245.1 | 1256.5 | 1245.1 | 1233.7 | 1230.9 | 1201.8 | 1163.1 | 1143.8 | 1131.2 | 1105.9 | 1087.1 |
| 160° | 1226.7 | 1233.3 | 1226.7 | 1220.2 | 1218.5 | 1193.6 | 1160.4 | 1143.8 | 1133.8 | 1113.8 | 1098.7 |
| 162.5° | 1214.6 | 1220.8 | 1214.6 | 1208.4 | 1206.8 | 1185.8 | 1157.8 | 1143.8 | 1136.5 | 1122.0 | 1111.2 |
| 165° | 1197.2 | 1203.7 | 1197.2 | 1190.6 | 1188.9 | 1173.9 | 1153.8 | 1143.8 | 1140.5 | 1134.0 | 1129.0 |
| 167.5° | 1184.6 | 1187.4 | 1184.6 | 1181.7 | 1181.1 | 1171.3 | 1158.1 | 1151.6 | 1148.8 | 1143.2 | 1139.1 |
| 170° | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1171.3 | 1158.1 | 1151.6 | 1151.4 | 1151.1 | 1150.8 |
| 172.5° | 1171.9 | 1169.5 | 1171.9 | 1174.4 | 1174.9 | 1167.2 | 1156.8 | 1151.6 | 1151.6 | 1151.6 | 1151.6 |
| 175° | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1161.4 | 1154.8 | 1151.6 | 1153.1 | 1156.2 | 1158.6 |
| 177.5° | 1161.4 | 1158.6 | 1161.4 | 1164.2 | 1164.8 | 1160.9 | 1155.8 | 1153.1 | 1154.4 | 1156.8 | 1158.6 |
| 180° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 |
| 2.5° | 2647.7 | 2633.0 | 2633.0 | 2608.3 | 2598.4 | 2591.0 | 2578.6 | 2541.6 | 2531.7 | 2521.8 | 2536.6 |
| 5° | 2670.0 | 2642.8 | 2623.1 | 2578.6 | 2541.6 | 2526.7 | 2479.8 | 2390.9 | 2331.6 | 2287.1 | 2262.5 |
| 7.5° | 2674.9 | 2640.4 | 2603.3 | 2534.2 | 2445.2 | 2405.7 | 2262.5 | 2099.4 | 2055.0 | 2015.5 | 1990.7 |
| 10° | 2670.0 | 2630.4 | 2578.6 | 2474.9 | 2264.9 | 2195.8 | 2052.5 | 1946.3 | 1919.1 | 1911.8 | 1919.1 |
| 12.5° | 2652.7 | 2615.7 | 2544.0 | 2371.2 | 2077.2 | 2030.3 | 1946.3 | 1884.6 | 1879.6 | 1891.9 | 1958.7 |
| 15° | 2623.1 | 2588.5 | 2504.5 | 2232.8 | 1973.4 | 1938.9 | 1879.6 | 1857.4 | 1884.6 | 1971.0 | 2171.0 |
| 17.5° | 2593.4 | 2553.9 | 2450.1 | 2097.0 | 1894.5 | 1869.8 | 1827.7 | 1872.2 | 2025.3 | 2141.4 | 2208.1 |
| 20° | 2553.9 | 2507.0 | 2388.5 | 1998.2 | 1837.6 | 1815.4 | 1795.7 | 1995.7 | 2111.8 | 2153.7 | 2190.9 |
| 22.5° | 2507.0 | 2457.6 | 2304.4 | 1929.0 | 1778.4 | 1761.1 | 1773.4 | 2064.9 | 2111.8 | 2141.4 | 2173.6 |
| 25° | 2445.2 | 2403.2 | 2205.6 | 1874.6 | 1731.4 | 1711.6 | 1758.6 | 2057.5 | 2084.6 | 2092.1 | 2156.3 |
| 27.5° | 2388.5 | 2334.1 | 2101.9 | 1825.3 | 1674.6 | 1667.2 | 1771.0 | 2025.3 | 2045.1 | 2052.5 | 2121.7 |
| 30° | 2319.3 | 2237.8 | 1985.8 | 1773.4 | 1615.4 | 1612.8 | 1773.4 | 1985.8 | 1980.9 | 2000.6 | 2069.8 |
| 32.5° | 2247.7 | 2094.5 | 1854.9 | 1709.2 | 1558.5 | 1556.1 | 1756.1 | 1926.5 | 1921.6 | 1948.8 | 2000.6 |
| 35° | 2180.9 | 1983.4 | 1677.0 | 1635.1 | 1486.9 | 1489.4 | 1714.2 | 1857.4 | 1859.9 | 1884.6 | 1916.7 |
| 37.5° | 2111.8 | 1887.0 | 1482.0 | 1553.6 | 1417.8 | 1417.8 | 1657.3 | 1793.1 | 1788.3 | 1795.7 | 1840.1 |
| 40° | 2030.3 | 1736.4 | 1309.1 | 1447.4 | 1353.5 | 1346.1 | 1588.2 | 1724.0 | 1706.7 | 1704.2 | 1766.0 |
| 42.5° | 1943.8 | 1570.9 | 1180.6 | 1306.6 | 1279.4 | 1269.5 | 1504.2 | 1640.0 | 1607.9 | 1615.4 | 1694.3 |
| 45° | 1850.0 | 1526.4 | 1081.8 | 1104.1 | 1202.9 | 1195.5 | 1412.8 | 1543.7 | 1521.5 | 1541.2 | 1622.7 |
| 47.5° | 1756.1 | 1437.5 | 1049.8 | 916.4 | 1121.4 | 1118.8 | 1311.6 | 1449.8 | 1437.5 | 1457.3 | 1543.7 |
| 50° | 1627.7 | 1338.7 | 1047.2 | 785.4 | 1030.0 | 1039.9 | 1190.5 | 1358.5 | 1358.5 | 1375.8 | 1467.1 |
| 52.5° | 1462.2 | 1217.6 | 951.0 | 711.3 | 923.8 | 953.4 | 1084.3 | 1279.4 | 1284.4 | 1301.7 | 1383.2 |
| 55° | 1311.6 | 1091.7 | 881.8 | 654.6 | 797.8 | 862.0 | 980.6 | 1197.9 | 1207.8 | 1225.1 | 1299.1 |
| 57.5° | 1173.2 | 908.9 | 866.9 | 587.8 | 681.7 | 743.5 | 889.2 | 1118.8 | 1123.8 | 1138.7 | 1210.3 |
| 60° | 1025.0 | 657.0 | 795.3 | 516.2 | 580.5 | 627.4 | 805.2 | 1025.0 | 1042.3 | 1052.2 | 1114.0 |
| 62.5° | 857.0 | 476.7 | 721.2 | 466.8 | 531.0 | 540.9 | 736.1 | 936.1 | 958.4 | 965.7 | 1002.8 |
| 65° | 610.1 | 400.1 | 612.5 | 424.8 | 479.1 | 481.7 | 662.0 | 844.7 | 864.5 | 876.8 | 904.0 |
| 67.5° | 412.5 | 326.0 | 466.8 | 385.3 | 439.7 | 442.1 | 590.4 | 738.5 | 765.7 | 775.5 | 792.8 |
| 70° | 286.5 | 217.3 | 345.7 | 343.3 | 395.2 | 400.1 | 513.7 | 642.1 | 666.9 | 674.3 | 684.2 |
| 72.5° | 209.9 | 175.4 | 286.5 | 308.7 | 348.3 | 353.2 | 434.7 | 533.5 | 558.2 | 565.6 | 570.5 |
| 75° | 160.6 | 185.3 | 232.2 | 269.2 | 296.4 | 298.8 | 355.7 | 434.7 | 452.0 | 457.0 | 459.4 |
| 77.5° | 128.4 | 172.9 | 170.4 | 217.3 | 242.1 | 237.1 | 279.1 | 335.9 | 350.7 | 350.7 | 350.7 |
| 80° | 96.4 | 135.8 | 128.4 | 155.6 | 177.9 | 172.9 | 200.0 | 239.6 | 244.5 | 249.5 | 246.9 |
| 82.5° | 71.6 | 86.5 | 86.5 | 98.8 | 118.5 | 113.7 | 133.4 | 155.6 | 155.6 | 155.6 | 160.6 |
| 85° | 44.5 | 49.4 | 39.5 | 51.9 | 66.6 | 64.2 | 74.1 | 83.9 | 86.5 | 86.5 | 81.5 |
| 87.5° | 27.2 | 22.2 | 12.3 | 19.7 | 29.6 | 29.6 | 34.6 | 37.0 | 34.6 | 34.6 | 34.6 |
| 90° | 20.2 | 14.0 | 7.8 | 14.0 | 20.2 | 21.8 | 34.2 | 50.8 | 59.1 | 52.5 | 39.4 |
| 92.5° | 136.9 | 84.0 | 31.1 | 84.0 | 136.9 | 150.1 | 211.0 | 292.2 | 332.8 | 291.6 | 209.5 |
| 95° | 268.2 | 171.4 | 74.7 | 171.4 | 268.2 | 292.4 | 519.1 | 821.5 | 972.7 | 868.1 | 658.6 |
| 97.5° | 299.9 | 214.4 | 129.1 | 214.4 | 299.9 | 321.2 | 699.3 | 1203.5 | 1455.6 | 1389.4 | 1257.1 |
| 100° | 325.9 | 248.4 | 171.1 | 248.4 | 325.9 | 345.3 | 764.9 | 1324.4 | 1604.1 | 1609.0 | 1618.6 |
| 102.5° | 351.3 | 279.0 | 206.9 | 279.0 | 351.3 | 369.3 | 794.9 | 1362.3 | 1646.1 | 1730.4 | 1899.1 |
| 105° | 389.8 | 328.6 | 267.5 | 328.6 | 389.8 | 405.1 | 817.2 | 1366.7 | 1641.4 | 1830.4 | 2208.5 |
| 107.5° | 443.7 | 386.7 | 329.7 | 386.7 | 443.7 | 458.0 | 821.4 | 1305.9 | 1548.2 | 1811.8 | 2339.2 |
| 110° | 474.6 | 423.1 | 371.6 | 423.1 | 474.6 | 487.5 | 815.2 | 1251.9 | 1470.4 | 1765.2 | 2354.7 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 511.1 | 461.9 | 412.9 | 461.9 | 511.1 | 523.3 | 815.4 | 1204.9 | 1399.6 | 1701.4 | 2304.7 |
| 115° | 565.7 | 520.4 | 475.1 | 520.4 | 565.7 | 577.0 | 822.9 | 1150.9 | 1314.9 | 1605.5 | 2186.8 |
| 117.5° | 618.8 | 577.6 | 536.5 | 577.6 | 618.8 | 629.1 | 838.2 | 1117.1 | 1256.5 | 1518.8 | 2043.5 |
| 120° | 649.7 | 611.0 | 572.3 | 611.0 | 649.7 | 659.3 | 850.7 | 1105.8 | 1233.3 | 1472.9 | 1952.2 |
| 122.5° | 685.4 | 646.3 | 607.3 | 646.3 | 685.4 | 695.1 | 868.5 | 1099.7 | 1215.3 | 1431.1 | 1862.8 |
| 125° | 732.2 | 696.5 | 660.9 | 696.5 | 732.2 | 741.0 | 892.6 | 1094.8 | 1195.9 | 1379.3 | 1745.9 |
| 127.5° | 776.4 | 740.4 | 704.5 | 740.4 | 776.4 | 785.3 | 916.8 | 1092.0 | 1179.6 | 1337.0 | 1651.8 |
| 130° | 805.2 | 766.5 | 727.8 | 766.5 | 805.2 | 814.9 | 934.3 | 1093.7 | 1173.3 | 1313.4 | 1593.8 |
| 132.5° | 829.3 | 790.6 | 751.9 | 790.6 | 829.3 | 839.0 | 948.6 | 1094.8 | 1167.9 | 1293.4 | 1544.2 |
| 135° | 858.2 | 822.9 | 787.7 | 822.9 | 858.2 | 867.0 | 964.2 | 1093.8 | 1158.6 | 1263.6 | 1473.8 |
| 137.5° | 894.0 | 859.1 | 824.2 | 859.1 | 894.0 | 902.7 | 987.5 | 1100.5 | 1157.0 | 1245.8 | 1423.5 |
| 140° | 918.8 | 886.7 | 854.5 | 886.7 | 918.8 | 926.9 | 1001.7 | 1101.6 | 1151.6 | 1228.3 | 1381.8 |
| 142.5° | 937.3 | 907.6 | 877.9 | 907.6 | 937.3 | 944.7 | 1013.7 | 1105.6 | 1151.6 | 1219.0 | 1353.7 |
| 145° | 965.6 | 939.6 | 913.7 | 939.6 | 965.6 | 972.0 | 1029.3 | 1105.7 | 1143.8 | 1198.9 | 1309.1 |
| 147.5° | 999.9 | 974.6 | 949.4 | 974.6 | 999.9 | 1006.2 | 1052.1 | 1113.2 | 1143.8 | 1187.2 | 1273.9 |
| 150° | 1018.4 | 995.6 | 972.7 | 995.6 | 1018.4 | 1024.1 | 1064.0 | 1117.2 | 1143.8 | 1180.4 | 1253.7 |
| 152.5° | 1031.4 | 1014.2 | 996.9 | 1014.2 | 1031.4 | 1035.7 | 1071.7 | 1119.8 | 1143.8 | 1175.1 | 1237.6 |
| 155° | 1058.2 | 1045.4 | 1032.6 | 1045.4 | 1058.2 | 1061.4 | 1088.8 | 1125.5 | 1143.8 | 1168.7 | 1218.5 |
| 157.5° | 1084.0 | 1071.5 | 1059.0 | 1071.5 | 1084.0 | 1087.1 | 1105.9 | 1131.2 | 1143.8 | 1163.1 | 1201.8 |
| 160° | 1096.3 | 1086.7 | 1077.0 | 1086.7 | 1096.3 | 1098.7 | 1113.8 | 1133.8 | 1143.8 | 1160.4 | 1193.6 |
| 162.5° | 1109.4 | 1102.1 | 1094.8 | 1102.1 | 1109.4 | 1111.2 | 1122.0 | 1136.5 | 1143.8 | 1157.8 | 1185.8 |
| 165° | 1127.3 | 1120.8 | 1114.3 | 1120.8 | 1127.3 | 1129.0 | 1134.0 | 1140.5 | 1143.8 | 1153.8 | 1173.9 |
| 167.5° | 1138.4 | 1135.2 | 1132.1 | 1135.2 | 1138.4 | 1139.1 | 1143.2 | 1148.8 | 1151.6 | 1158.1 | 1171.3 |
| 170° | 1150.1 | 1146.9 | 1143.8 | 1146.9 | 1150.1 | 1150.8 | 1151.1 | 1151.4 | 1151.6 | 1158.1 | 1171.3 |
| 172.5° | 1151.4 | 1150.7 | 1150.1 | 1150.7 | 1151.4 | 1151.6 | 1151.6 | 1151.6 | 1151.6 | 1156.8 | 1167.2 |
| 175° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1156.2 | 1153.1 | 1151.6 | 1154.8 | 1161.4 |
| 177.5° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1156.8 | 1154.4 | 1153.1 | 1155.8 | 1160.9 |
| 180° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 |
| 2.5° | 2519.3 | 2511.9 | 2521.8 | 2494.6 | 2521.8 | 2511.9 | 2519.3 | 2536.6 | 2521.8 | 2531.7 | 2541.6 |
| 5° | 2210.6 | 2198.2 | 2158.7 | 2126.6 | 2158.7 | 2198.2 | 2210.6 | 2262.5 | 2287.1 | 2331.6 | 2390.9 |
| 7.5° | 1976.0 | 1966.1 | 1956.2 | 1936.4 | 1956.2 | 1966.1 | 1976.0 | 1990.7 | 2015.5 | 2055.0 | 2099.4 |
| 10° | 1924.1 | 1926.5 | 1941.4 | 1938.9 | 1941.4 | 1926.5 | 1924.1 | 1919.1 | 1911.8 | 1919.1 | 1946.3 |
| 12.5° | 2057.5 | 2079.7 | 2161.2 | 2156.3 | 2161.2 | 2079.7 | 2057.5 | 1958.7 | 1891.9 | 1879.6 | 1884.6 |
| 15° | 2210.6 | 2218.0 | 2235.3 | 2237.8 | 2235.3 | 2218.0 | 2210.6 | 2171.0 | 1971.0 | 1884.6 | 1857.4 |
| 17.5° | 2225.4 | 2227.9 | 2240.2 | 2240.2 | 2240.2 | 2227.9 | 2225.4 | 2208.1 | 2141.4 | 2025.3 | 1872.2 |
| 20° | 2213.1 | 2218.0 | 2242.7 | 2247.7 | 2242.7 | 2218.0 | 2213.1 | 2190.9 | 2153.7 | 2111.8 | 1995.7 |
| 22.5° | 2208.1 | 2218.0 | 2237.8 | 2235.3 | 2237.8 | 2218.0 | 2208.1 | 2173.6 | 2141.4 | 2111.8 | 2064.9 |
| 25° | 2183.4 | 2183.4 | 2185.9 | 2188.3 | 2185.9 | 2183.4 | 2183.4 | 2156.3 | 2092.1 | 2084.6 | 2057.5 |
| 27.5° | 2131.6 | 2136.5 | 2151.3 | 2148.9 | 2151.3 | 2136.5 | 2131.6 | 2121.7 | 2052.5 | 2045.1 | 2025.3 |
| 30° | 2084.6 | 2079.7 | 2067.3 | 2057.5 | 2067.3 | 2079.7 | 2084.6 | 2069.8 | 2000.6 | 1980.9 | 1985.8 |
| 32.5° | 2005.6 | 1993.3 | 1980.9 | 1973.4 | 1980.9 | 1993.3 | 2005.6 | 2000.6 | 1948.8 | 1921.6 | 1926.5 |
| 35° | 1911.8 | 1914.2 | 1911.8 | 1904.3 | 1911.8 | 1914.2 | 1911.8 | 1916.7 | 1884.6 | 1859.9 | 1857.4 |
| 37.5° | 1845.0 | 1850.0 | 1847.5 | 1837.6 | 1847.5 | 1850.0 | 1845.0 | 1840.1 | 1795.7 | 1788.3 | 1793.1 |
| 40° | 1775.8 | 1778.4 | 1775.8 | 1768.5 | 1775.8 | 1778.4 | 1775.8 | 1766.0 | 1704.2 | 1706.7 | 1724.0 |
| 42.5° | 1709.2 | 1706.7 | 1699.3 | 1694.3 | 1699.3 | 1706.7 | 1709.2 | 1694.3 | 1615.4 | 1607.9 | 1640.0 |
| 45° | 1632.7 | 1635.1 | 1620.3 | 1612.8 | 1620.3 | 1635.1 | 1632.7 | 1622.7 | 1541.2 | 1521.5 | 1543.7 |
| 47.5° | 1556.1 | 1556.1 | 1543.7 | 1536.3 | 1543.7 | 1556.1 | 1556.1 | 1543.7 | 1457.3 | 1437.5 | 1449.8 |
| 50° | 1474.6 | 1472.1 | 1454.8 | 1452.3 | 1454.8 | 1472.1 | 1474.6 | 1467.1 | 1375.8 | 1358.5 | 1358.5 |
| 52.5° | 1380.7 | 1380.7 | 1383.2 | 1388.1 | 1383.2 | 1380.7 | 1380.7 | 1383.2 | 1301.7 | 1284.4 | 1279.4 |
| 55° | 1299.1 | 1301.7 | 1319.0 | 1323.9 | 1319.0 | 1301.7 | 1299.1 | 1299.1 | 1225.1 | 1207.8 | 1197.9 |
| 57.5° | 1215.2 | 1215.2 | 1227.5 | 1227.5 | 1227.5 | 1215.2 | 1215.2 | 1210.3 | 1138.7 | 1123.8 | 1118.8 |
| 60° | 1118.8 | 1123.8 | 1133.7 | 1131.3 | 1133.7 | 1123.8 | 1118.8 | 1114.0 | 1052.2 | 1042.3 | 1025.0 |
| 62.5° | 1017.6 | 1022.6 | 1025.0 | 1020.0 | 1025.0 | 1022.6 | 1017.6 | 1002.8 | 965.7 | 958.4 | 936.1 |
| 65° | 911.4 | 916.4 | 918.8 | 913.9 | 918.8 | 916.4 | 911.4 | 904.0 | 876.8 | 864.5 | 844.7 |
| 67.5° | 802.7 | 800.3 | 797.8 | 807.7 | 797.8 | 800.3 | 802.7 | 792.8 | 775.5 | 765.7 | 738.5 |
| 70° | 691.6 | 691.6 | 689.1 | 694.0 | 689.1 | 691.6 | 691.6 | 684.2 | 674.3 | 666.9 | 642.1 |
| 72.5° | 573.1 | 570.5 | 580.5 | 573.1 | 580.5 | 570.5 | 573.1 | 570.5 | 565.6 | 558.2 | 533.5 |
| 75° | 457.0 | 461.8 | 457.0 | 464.4 | 457.0 | 461.8 | 457.0 | 459.4 | 457.0 | 452.0 | 434.7 |
| 77.5° | 348.3 | 353.2 | 348.3 | 348.3 | 348.3 | 353.2 | 348.3 | 350.7 | 350.7 | 350.7 | 335.9 |
| 80° | 246.9 | 244.5 | 244.5 | 242.1 | 244.5 | 244.5 | 246.9 | 246.9 | 249.5 | 244.5 | 239.6 |
| 82.5° | 158.1 | 155.6 | 155.6 | 160.6 | 155.6 | 155.6 | 158.1 | 160.6 | 155.6 | 155.6 | 155.6 |
| 85° | 86.5 | 88.9 | 83.9 | 83.9 | 83.9 | 88.9 | 86.5 | 81.5 | 86.5 | 86.5 | 83.9 |
| 87.5° | 32.2 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 32.2 | 34.6 | 34.6 | 34.6 | 37.0 |
| 90° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 39.4 | 52.5 | 59.1 | 50.8 |
| 92.5° | 147.8 | 141.9 | 118.4 | 94.9 | 118.4 | 141.9 | 147.8 | 209.5 | 291.6 | 332.8 | 292.2 |
| 95° | 501.6 | 483.8 | 412.6 | 341.4 | 412.6 | 483.8 | 501.6 | 658.6 | 868.1 | 972.7 | 821.5 |
| 97.5° | 1157.8 | 1124.0 | 988.5 | 853.0 | 988.5 | 1124.0 | 1157.8 | 1257.1 | 1389.4 | 1455.6 | 1203.5 |
| 100° | 1625.9 | 1585.5 | 1424.2 | 1262.8 | 1424.2 | 1585.5 | 1625.9 | 1618.6 | 1609.0 | 1604.1 | 1324.4 |
| 102.5° | 2025.6 | 1991.0 | 1852.8 | 1714.5 | 1852.8 | 1991.0 | 2025.6 | 1899.1 | 1730.4 | 1646.1 | 1362.3 |
| 105° | 2492.1 | 2473.5 | 2399.2 | 2324.9 | 2399.2 | 2473.5 | 2492.1 | 2208.5 | 1830.4 | 1641.4 | 1366.7 |
| 107.5° | 2734.7 | 2739.2 | 2757.2 | 2775.1 | 2757.2 | 2739.2 | 2734.7 | 2339.2 | 1811.8 | 1548.2 | 1305.9 |
| 110° | 2796.9 | 2816.3 | 2893.7 | 2971.1 | 2893.7 | 2816.3 | 2796.9 | 2354.7 | 1765.2 | 1470.4 | 1251.9 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2757.3 | 2787.0 | 2905.8 | 3024.7 | 2905.8 | 2787.0 | 2757.3 | 2304.7 | 1701.4 | 1399.6 | 1204.9 |
| 115° | 2622.8 | 2664.0 | 2828.8 | 2993.7 | 2828.8 | 2664.0 | 2622.8 | 2186.8 | 1605.5 | 1314.9 | 1150.9 |
| 117.5° | 2436.9 | 2482.6 | 2665.4 | 2848.2 | 2665.4 | 2482.6 | 2436.9 | 2043.5 | 1518.8 | 1256.5 | 1117.1 |
| 120° | 2311.7 | 2356.1 | 2533.8 | 2711.4 | 2533.8 | 2356.1 | 2311.7 | 1952.2 | 1472.9 | 1233.3 | 1105.8 |
| 122.5° | 2186.6 | 2230.4 | 2405.6 | 2580.7 | 2405.6 | 2230.4 | 2186.6 | 1862.8 | 1431.1 | 1215.3 | 1099.7 |
| 125° | 2020.9 | 2061.3 | 2222.6 | 2384.1 | 2222.6 | 2061.3 | 2020.9 | 1745.9 | 1379.3 | 1195.9 | 1094.8 |
| 127.5° | 1887.9 | 1921.9 | 2058.1 | 2194.3 | 2058.1 | 1921.9 | 1887.9 | 1651.8 | 1337.0 | 1179.6 | 1092.0 |
| 130° | 1804.0 | 1835.4 | 1961.2 | 2087.0 | 1961.2 | 1835.4 | 1804.0 | 1593.8 | 1313.4 | 1173.3 | 1093.7 |
| 132.5° | 1732.4 | 1760.5 | 1873.2 | 1985.9 | 1873.2 | 1760.5 | 1732.4 | 1544.2 | 1293.4 | 1167.9 | 1094.8 |
| 135° | 1631.3 | 1655.6 | 1752.8 | 1849.9 | 1752.8 | 1655.6 | 1631.3 | 1473.8 | 1263.6 | 1158.6 | 1093.8 |
| 137.5° | 1556.7 | 1576.6 | 1656.0 | 1735.6 | 1656.0 | 1576.6 | 1556.7 | 1423.5 | 1245.8 | 1157.0 | 1100.5 |
| 140° | 1496.8 | 1515.4 | 1589.7 | 1664.0 | 1589.7 | 1515.4 | 1496.8 | 1381.8 | 1228.3 | 1151.6 | 1101.6 |
| 142.5° | 1454.9 | 1470.9 | 1534.8 | 1598.7 | 1534.8 | 1470.9 | 1454.9 | 1353.7 | 1219.0 | 1151.6 | 1105.6 |
| 145° | 1391.9 | 1403.9 | 1452.3 | 1500.7 | 1452.3 | 1403.9 | 1391.9 | 1309.1 | 1198.9 | 1143.8 | 1105.7 |
| 147.5° | 1339.0 | 1349.0 | 1389.1 | 1429.2 | 1389.1 | 1349.0 | 1339.0 | 1273.9 | 1187.2 | 1143.8 | 1113.2 |
| 150° | 1308.7 | 1316.8 | 1349.2 | 1381.8 | 1349.2 | 1316.8 | 1308.7 | 1253.7 | 1180.4 | 1143.8 | 1117.2 |
| 152.5° | 1284.6 | 1290.7 | 1315.2 | 1339.7 | 1315.2 | 1290.7 | 1284.6 | 1237.6 | 1175.1 | 1143.8 | 1119.8 |
| 155° | 1255.8 | 1259.8 | 1276.1 | 1292.3 | 1276.1 | 1259.8 | 1255.8 | 1218.5 | 1168.7 | 1143.8 | 1125.5 |
| 157.5° | 1230.9 | 1233.7 | 1245.1 | 1256.5 | 1245.1 | 1233.7 | 1230.9 | 1201.8 | 1163.1 | 1143.8 | 1131.2 |
| 160° | 1218.5 | 1220.2 | 1226.7 | 1233.3 | 1226.7 | 1220.2 | 1218.5 | 1193.6 | 1160.4 | 1143.8 | 1133.8 |
| 162.5° | 1206.8 | 1208.4 | 1214.6 | 1220.8 | 1214.6 | 1208.4 | 1206.8 | 1185.8 | 1157.8 | 1143.8 | 1136.5 |
| 165° | 1188.9 | 1190.6 | 1197.2 | 1203.7 | 1197.2 | 1190.6 | 1188.9 | 1173.9 | 1153.8 | 1143.8 | 1140.5 |
| 167.5° | 1181.1 | 1181.7 | 1184.6 | 1187.4 | 1184.6 | 1181.7 | 1181.1 | 1171.3 | 1158.1 | 1151.6 | 1148.8 |
| 170° | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1181.1 | 1171.3 | 1158.1 | 1151.6 | 1151.4 |
| 172.5° | 1174.9 | 1174.4 | 1171.9 | 1169.5 | 1171.9 | 1174.4 | 1174.9 | 1167.2 | 1156.8 | 1151.6 | 1151.6 |
| 175° | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1166.3 | 1161.4 | 1154.8 | 1151.6 | 1153.1 |
| 177.5° | 1164.8 | 1164.2 | 1161.4 | 1158.6 | 1161.4 | 1164.2 | 1164.8 | 1160.9 | 1155.8 | 1153.1 | 1154.4 |
| 180° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2610.7 | 2610.7 | 2610.7 | 2610.7 | 2610.7 |
| 2.5° | 2578.6 | 2591.0 | 2598.4 | 2608.3 | 2633.0 |
| 5° | 2479.8 | 2526.7 | 2541.6 | 2578.6 | 2623.1 |
| 7.5° | 2262.5 | 2405.7 | 2445.2 | 2534.2 | 2603.3 |
| 10° | 2052.5 | 2195.8 | 2264.9 | 2474.9 | 2578.6 |
| 12.5° | 1946.3 | 2030.3 | 2077.2 | 2371.2 | 2544.0 |
| 15° | 1879.6 | 1938.9 | 1973.4 | 2232.8 | 2504.5 |
| 17.5° | 1827.7 | 1869.8 | 1894.5 | 2097.0 | 2450.1 |
| 20° | 1795.7 | 1815.4 | 1837.6 | 1998.2 | 2388.5 |
| 22.5° | 1773.4 | 1761.1 | 1778.4 | 1929.0 | 2304.4 |
| 25° | 1758.6 | 1711.6 | 1731.4 | 1874.6 | 2205.6 |
| 27.5° | 1771.0 | 1667.2 | 1674.6 | 1825.3 | 2101.9 |
| 30° | 1773.4 | 1612.8 | 1615.4 | 1773.4 | 1985.8 |
| 32.5° | 1756.1 | 1556.1 | 1558.5 | 1709.2 | 1854.9 |
| 35° | 1714.2 | 1489.4 | 1486.9 | 1635.1 | 1677.0 |
| 37.5° | 1657.3 | 1417.8 | 1417.8 | 1553.6 | 1482.0 |
| 40° | 1588.2 | 1346.1 | 1353.5 | 1447.4 | 1309.1 |
| 42.5° | 1504.2 | 1269.5 | 1279.4 | 1306.6 | 1180.6 |
| 45° | 1412.8 | 1195.5 | 1202.9 | 1104.1 | 1081.8 |
| 47.5° | 1311.6 | 1118.8 | 1121.4 | 916.4 | 1049.8 |
| 50° | 1190.5 | 1039.9 | 1030.0 | 785.4 | 1047.2 |
| 52.5° | 1084.3 | 953.4 | 923.8 | 711.3 | 951.0 |
| 55° | 980.6 | 862.0 | 797.8 | 654.6 | 881.8 |
| 57.5° | 889.2 | 743.5 | 681.7 | 587.8 | 866.9 |
| 60° | 805.2 | 627.4 | 580.5 | 516.2 | 795.3 |
| 62.5° | 736.1 | 540.9 | 531.0 | 466.8 | 721.2 |
| 65° | 662.0 | 481.7 | 479.1 | 424.8 | 612.5 |
| 67.5° | 590.4 | 442.1 | 439.7 | 385.3 | 466.8 |
| 70° | 513.7 | 400.1 | 395.2 | 343.3 | 345.7 |
| 72.5° | 434.7 | 353.2 | 348.3 | 308.7 | 286.5 |
| 75° | 355.7 | 298.8 | 296.4 | 269.2 | 232.2 |
| 77.5° | 279.1 | 237.1 | 242.1 | 217.3 | 170.4 |
| 80° | 200.0 | 172.9 | 177.9 | 155.6 | 128.4 |
| 82.5° | 133.4 | 113.7 | 118.5 | 98.8 | 86.5 |
| 85° | 74.1 | 64.2 | 66.6 | 51.9 | 39.5 |
| 87.5° | 34.6 | 29.6 | 29.6 | 19.7 | 12.3 |
| 90° | 34.2 | 21.8 | 20.2 | 14.0 | 7.8 |
| 92.5° | 211.0 | 150.1 | 136.9 | 84.0 | 31.1 |
| 95° | 519.1 | 292.4 | 268.2 | 171.4 | 74.7 |
| 97.5° | 699.3 | 321.2 | 299.9 | 214.4 | 129.1 |
| 100° | 764.9 | 345.3 | 325.9 | 248.4 | 171.1 |
| 102.5° | 794.9 | 369.3 | 351.3 | 279.0 | 206.9 |
| 105° | 817.2 | 405.1 | 389.8 | 328.6 | 267.5 |
| 107.5° | 821.4 | 458.0 | 443.7 | 386.7 | 329.7 |
| 110° | 815.2 | 487.5 | 474.6 | 423.1 | 371.6 |



TEST NUMBER: P935247

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 815.4 | 523.3 | 511.1 | 461.9 | 412.9 |
| 115° | 822.9 | 577.0 | 565.7 | 520.4 | 475.1 |
| 117.5° | 838.2 | 629.1 | 618.8 | 577.6 | 536.5 |
| 120° | 850.7 | 659.3 | 649.7 | 611.0 | 572.3 |
| 122.5° | 868.5 | 695.1 | 685.4 | 646.3 | 607.3 |
| 125° | 892.6 | 741.0 | 732.2 | 696.5 | 660.9 |
| 127.5° | 916.8 | 785.3 | 776.4 | 740.4 | 704.5 |
| 130° | 934.3 | 814.9 | 805.2 | 766.5 | 727.8 |
| 132.5° | 948.6 | 839.0 | 829.3 | 790.6 | 751.9 |
| 135° | 964.2 | 867.0 | 858.2 | 822.9 | 787.7 |
| 137.5° | 987.5 | 902.7 | 894.0 | 859.1 | 824.2 |
| 140° | 1001.7 | 926.9 | 918.8 | 886.7 | 854.5 |
| 142.5° | 1013.7 | 944.7 | 937.3 | 907.6 | 877.9 |
| 145° | 1029.3 | 972.0 | 965.6 | 939.6 | 913.7 |
| 147.5° | 1052.1 | 1006.2 | 999.9 | 974.6 | 949.4 |
| 150° | 1064.0 | 1024.1 | 1018.4 | 995.6 | 972.7 |
| 152.5° | 1071.7 | 1035.7 | 1031.4 | 1014.2 | 996.9 |
| 155° | 1088.8 | 1061.4 | 1058.2 | 1045.4 | 1032.6 |
| 157.5° | 1105.9 | 1087.1 | 1084.0 | 1071.5 | 1059.0 |
| 160° | 1113.8 | 1098.7 | 1096.3 | 1086.7 | 1077.0 |
| 162.5° | 1122.0 | 1111.2 | 1109.4 | 1102.1 | 1094.8 |
| 165° | 1134.0 | 1129.0 | 1127.3 | 1120.8 | 1114.3 |
| 167.5° | 1143.2 | 1139.1 | 1138.4 | 1135.2 | 1132.1 |
| 170° | 1151.1 | 1150.8 | 1150.1 | 1146.9 | 1143.8 |
| 172.5° | 1151.6 | 1151.6 | 1151.4 | 1150.7 | 1150.1 |
| 175° | 1156.2 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |
| 177.5° | 1156.8 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |
| 180° | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |



TEST NUMBER: P935247
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-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 | 13.23 | 14.07 | 14.21 | 15.06 | 16.37 | 16.07 | 16.91 | 17.05 | 17.90 | 19.21 |
| | 3H | 13.70 | 14.46 | 14.69 | 15.46 | 16.79 | 17.41 | 18.16 | 18.40 | 19.17 | 20.50 |
| | 4H | 13.89 | 14.61 | 14.90 | 15.61 | 16.95 | 17.86 | 18.57 | 18.86 | 19.57 | 20.91 |
| | 6H | 14.01 | 14.67 | 15.03 | 15.68 | 17.03 | 18.14 | 18.80 | 19.16 | 19.81 | 21.16 |
| | 8H | 14.01 | 14.64 | 15.03 | 15.66 | 17.01 | 18.22 | 18.84 | 19.24 | 19.87 | 21.21 |
| | 12H | 13.98 | 14.58 | 15.01 | 15.60 | 16.97 | 18.26 | 18.85 | 19.28 | 19.87 | 21.24 |
| 4H | 2H | 14.26 | 14.97 | 15.27 | 15.98 | 17.31 | 16.47 | 17.18 | 17.48 | 18.19 | 19.53 |
| | 3H | 15.29 | 15.88 | 16.30 | 16.91 | 18.26 | 17.98 | 18.57 | 19.00 | 19.61 | 20.96 |
| | 4H | 15.56 | 16.10 | 16.59 | 17.13 | 18.50 | 18.51 | 19.05 | 19.53 | 20.08 | 21.45 |
| | 6H | 15.69 | 16.15 | 16.72 | 17.20 | 18.57 | 18.87 | 19.34 | 19.91 | 20.39 | 21.76 |
| | 8H | 15.69 | 16.13 | 16.73 | 17.17 | 18.55 | 18.98 | 19.42 | 20.02 | 20.46 | 21.84 |
| | 12H | 15.66 | 16.05 | 16.71 | 17.11 | 18.50 | 19.04 | 19.43 | 20.09 | 20.49 | 21.88 |
| 8H | 4H | 16.01 | 16.45 | 17.05 | 17.49 | 18.88 | 18.63 | 19.07 | 19.67 | 20.11 | 21.49 |
| | 6H | 16.28 | 16.63 | 17.34 | 17.72 | 19.10 | 19.07 | 19.43 | 20.13 | 20.51 | 21.89 |
| | 8H | 16.32 | 16.63 | 17.39 | 17.70 | 19.10 | 19.22 | 19.54 | 20.29 | 20.61 | 22.01 |
| | 12H | 16.30 | 16.58 | 17.37 | 17.64 | 19.09 | 19.32 | 19.60 | 20.39 | 20.66 | 22.11 |
| 12H | 4H | 16.02 | 16.41 | 17.08 | 17.47 | 18.86 | 18.59 | 18.99 | 19.65 | 20.04 | 21.43 |
| | 6H | 16.34 | 16.65 | 17.41 | 17.72 | 19.12 | 19.07 | 19.38 | 20.13 | 20.45 | 21.85 |
| | 8H | 16.40 | 16.68 | 17.47 | 17.74 | 19.19 | 19.23 | 19.51 | 20.30 | 20.57 | 22.01 |