

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: P934754

Luminaire Tested: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934754
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

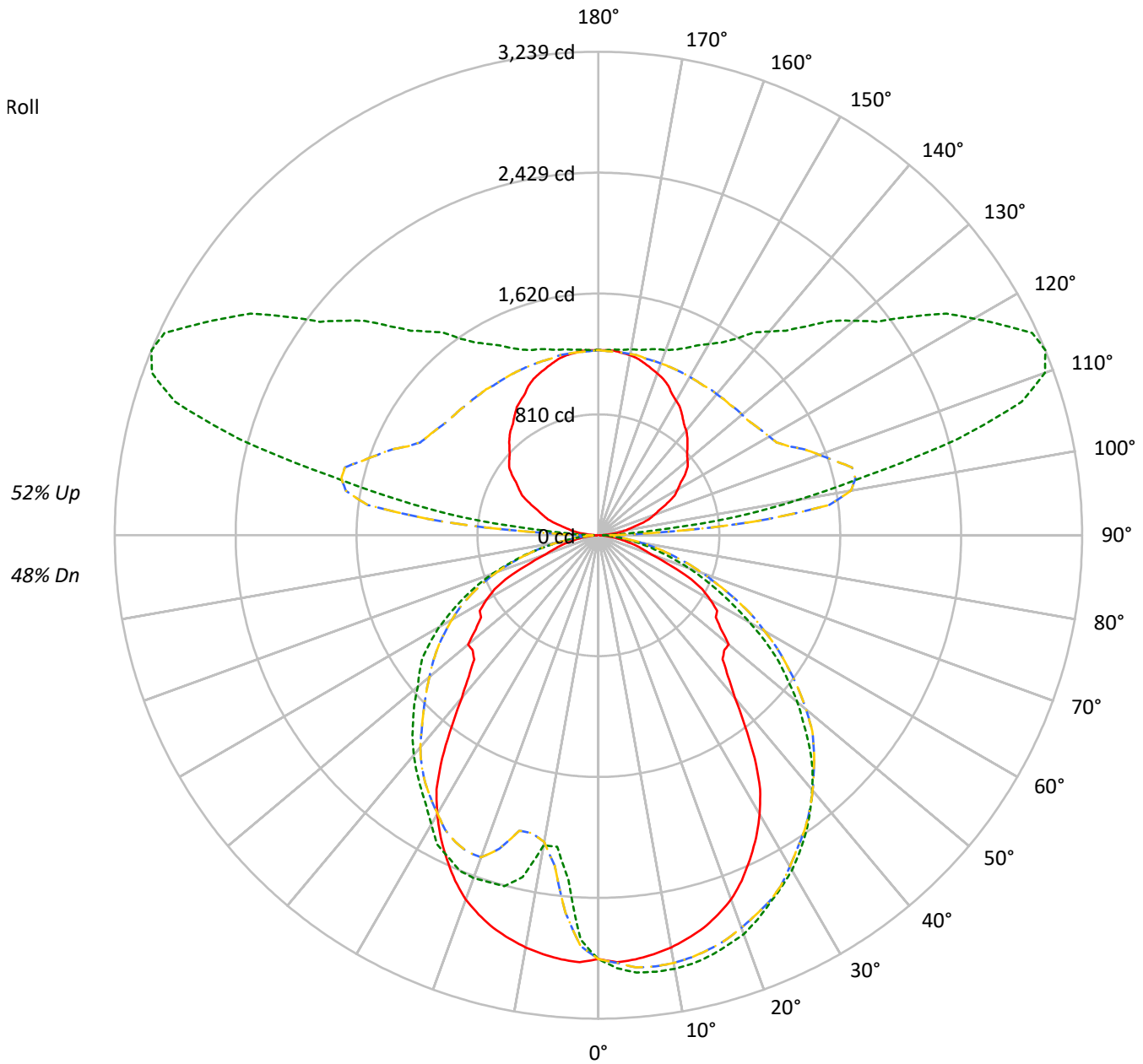
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15408.3 lumens
Efficiency: N/A
Efficacy: 121.1 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): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934754
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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 | 68 | 68 | 68 | 54 | 54 | 54 | 48 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 70 | 68 | 60 | 58 | 56 | 48 | 47 | 46 | 40 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 40 | 39 | 34 |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 29 |
| 4 | 74 | 63 | 55 | 49 | 68 | 58 | 52 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 31 | 28 | 25 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 39 | 34 | 37 | 33 | 29 | 30 | 27 | 25 | 21 |
| 6 | 62 | 50 | 42 | 37 | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7 | 58 | 45 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |
| 8 | 54 | 41 | 33 | 28 | 49 | 38 | 31 | 27 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 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° | 8782 | 8782 | 8782 | 8782 |
| 5° | 8851 | 8865 | 8851 | 6970 |
| 10° | 8794 | 8732 | 8794 | 6243 |
| 15° | 8702 | 8543 | 8702 | 7133 |
| 20° | 8524 | 8319 | 8524 | 7148 |
| 25° | 8154 | 7992 | 8154 | 6997 |
| 30° | 7676 | 7720 | 7676 | 6664 |
| 35° | 6847 | 7377 | 6847 | 6299 |
| 40° | 5708 | 6973 | 5708 | 6022 |
| 45° | 5103 | 6500 | 5103 | 5705 |
| 50° | 5426 | 5936 | 5426 | 5386 |
| 55° | 5110 | 5328 | 5110 | 5202 |
| 60° | 5274 | 4525 | 5274 | 4765 |
| 65° | 4789 | 3740 | 4789 | 4181 |
| 70° | 3324 | 2981 | 3324 | 3505 |
| 75° | 2927 | 2204 | 2927 | 2639 |
| 80° | 2376 | 1457 | 2376 | 1586 |
| 85° | 1393 | 771 | 1393 | 656 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7817 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 256.3 | 1.7 |
| 10°-20° | 727.6 | 4.7 |
| 20°-30° | 1124.8 | 7.3 |
| 30°-40° | 1342.8 | 8.7 |
| 40°-50° | 1350.6 | 8.8 |
| 50°-60° | 1175.2 | 7.6 |
| 60°-70° | 833.2 | 5.4 |
| 70°-80° | 440.8 | 2.9 |
| 80°-90° | 114.5 | 0.7 |
| 90°-100° | 604.7 | 3.9 |
| 100°-110° | 1589.9 | 10.3 |
| 110°-120° | 1648.5 | 10.7 |
| 120°-130° | 1322.3 | 8.6 |
| 130°-140° | 1037.6 | 6.7 |
| 140°-150° | 796.4 | 5.2 |
| 150°-160° | 573.5 | 3.7 |
| 160°-170° | 350.9 | 2.3 |
| 170°-180° | 118.6 | 0.8 |
| 0°-30° | 2108.7 | 13.7 |
| 0°-40° | 3451.5 | 22.4 |
| 0°-60° | 5977.3 | 38.8 |
| 0°-90° | 7365.9 | 47.8 |
| 90°-120° | 3843.1 | 24.9 |
| 90°-150° | 6999.4 | 45.4 |
| 90°-180° | 8042.0 | 52.2 |
| 0°-180° | 15408.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2839 | 2839 | 2839 | 2839 | 2839 | |
| 5° | 2853 | 2941 | 2853 | 2313 | 2853 | 271 |
| 15° | 2724 | 2914 | 2724 | 2434 | 2724 | 766 |
| 25° | 2399 | 2718 | 2399 | 2380 | 2399 | 1101 |
| 35° | 1824 | 2426 | 1824 | 2071 | 1824 | 1128 |
| 45° | 1176 | 1998 | 1176 | 1754 | 1176 | 942 |
| 55° | 959 | 1475 | 959 | 1440 | 959 | 881 |
| 65° | 666 | 889 | 666 | 994 | 666 | 637 |
| 75° | 252 | 422 | 252 | 505 | 252 | 265 |
| 85° | 43 | 107 | 43 | 91 | 43 | 58 |
| 90° | 8 | 32 | 8 | 32 | 8 | 9 |
| 95° | 80 | 366 | 80 | 366 | 80 | 89 |
| 105° | 286 | 2490 | 286 | 2490 | 286 | 304 |
| 115° | 509 | 3206 | 509 | 3206 | 509 | 502 |
| 125° | 708 | 2553 | 708 | 2553 | 708 | 628 |
| 135° | 844 | 1981 | 844 | 1981 | 844 | 653 |
| 145° | 978 | 1607 | 978 | 1607 | 978 | 613 |
| 155° | 1106 | 1384 | 1106 | 1384 | 1106 | 508 |
| 165° | 1193 | 1289 | 1193 | 1289 | 1193 | 337 |
| 175° | 1241 | 1249 | 1241 | 1249 | 1241 | 118 |
| 180° | 1241 | 1241 | 1241 | 1241 | 1241 | |



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CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 |
| 2.5° | 2863.3 | 2863.3 | 2879.4 | 2884.8 | 2884.8 | 2876.7 | 2868.7 | 2876.7 | 2900.9 | 2909.0 | 2906.3 |
| 5° | 2852.6 | 2874.0 | 2903.6 | 2909.0 | 2914.3 | 2911.6 | 2906.3 | 2911.6 | 2938.5 | 2943.9 | 2946.6 |
| 7.5° | 2831.1 | 2871.4 | 2909.0 | 2917.0 | 2925.1 | 2917.0 | 2914.3 | 2919.7 | 2946.6 | 2951.9 | 2951.9 |
| 10° | 2804.2 | 2860.6 | 2903.6 | 2909.0 | 2917.0 | 2909.0 | 2909.0 | 2919.7 | 2946.6 | 2951.9 | 2954.6 |
| 12.5° | 2766.6 | 2844.5 | 2884.8 | 2890.2 | 2900.9 | 2898.2 | 2895.5 | 2906.3 | 2933.1 | 2938.5 | 2938.5 |
| 15° | 2723.6 | 2815.0 | 2852.6 | 2857.9 | 2876.7 | 2871.4 | 2871.4 | 2882.1 | 2911.6 | 2919.7 | 2917.0 |
| 17.5° | 2664.5 | 2777.3 | 2820.3 | 2828.4 | 2841.8 | 2839.1 | 2841.8 | 2852.6 | 2879.4 | 2884.8 | 2887.5 |
| 20° | 2597.4 | 2726.3 | 2777.3 | 2785.4 | 2798.8 | 2798.8 | 2798.8 | 2812.3 | 2839.1 | 2849.9 | 2849.9 |
| 22.5° | 2506.1 | 2672.6 | 2726.3 | 2731.7 | 2747.8 | 2747.8 | 2753.2 | 2772.0 | 2796.1 | 2798.8 | 2798.8 |
| 25° | 2398.6 | 2613.5 | 2659.2 | 2675.3 | 2691.4 | 2699.5 | 2707.5 | 2718.3 | 2726.3 | 2723.6 | 2726.3 |
| 27.5° | 2285.7 | 2538.3 | 2597.4 | 2608.1 | 2629.6 | 2637.7 | 2648.4 | 2651.1 | 2653.8 | 2661.9 | 2656.5 |
| 30° | 2159.5 | 2433.5 | 2522.2 | 2532.9 | 2567.8 | 2573.2 | 2562.5 | 2567.8 | 2581.3 | 2586.6 | 2592.0 |
| 32.5° | 2017.1 | 2277.7 | 2444.3 | 2468.5 | 2500.7 | 2484.6 | 2481.9 | 2490.0 | 2511.4 | 2511.4 | 2516.8 |
| 35° | 1823.8 | 2156.8 | 2371.8 | 2393.3 | 2417.4 | 2398.6 | 2409.4 | 2412.1 | 2425.5 | 2433.5 | 2430.9 |
| 37.5° | 1611.6 | 2052.1 | 2296.5 | 2312.6 | 2331.4 | 2307.2 | 2323.3 | 2331.4 | 2342.1 | 2336.8 | 2336.8 |
| 40° | 1423.5 | 1888.2 | 2207.8 | 2218.6 | 2234.7 | 2215.9 | 2232.0 | 2237.4 | 2242.8 | 2237.4 | 2234.7 |
| 42.5° | 1283.9 | 1708.3 | 2113.8 | 2127.3 | 2116.5 | 2129.9 | 2135.3 | 2146.1 | 2138.0 | 2127.3 | 2127.3 |
| 45° | 1176.4 | 1659.9 | 2011.8 | 2027.9 | 2011.8 | 2033.3 | 2041.3 | 2041.3 | 2017.1 | 2011.8 | 2009.1 |
| 47.5° | 1141.5 | 1563.2 | 1909.7 | 1909.7 | 1901.6 | 1928.5 | 1941.9 | 1923.1 | 1899.0 | 1890.9 | 1890.9 |
| 50° | 1138.8 | 1455.8 | 1770.0 | 1759.3 | 1796.9 | 1829.1 | 1815.7 | 1796.9 | 1778.1 | 1748.5 | 1748.5 |
| 52.5° | 1034.1 | 1324.2 | 1590.1 | 1630.4 | 1689.5 | 1708.3 | 1686.8 | 1668.0 | 1635.7 | 1622.3 | 1611.6 |
| 55° | 958.9 | 1187.2 | 1426.2 | 1506.8 | 1568.6 | 1592.8 | 1552.5 | 1533.7 | 1485.3 | 1477.3 | 1471.9 |
| 57.5° | 942.8 | 988.4 | 1275.8 | 1377.9 | 1453.1 | 1450.4 | 1426.2 | 1391.3 | 1351.0 | 1343.0 | 1340.3 |
| 60° | 864.9 | 714.5 | 1114.7 | 1235.5 | 1313.4 | 1305.4 | 1283.9 | 1251.6 | 1214.0 | 1208.7 | 1203.3 |
| 62.5° | 784.3 | 518.4 | 932.0 | 1069.0 | 1179.1 | 1176.4 | 1157.6 | 1109.3 | 1082.4 | 1069.0 | 1058.3 |
| 65° | 666.1 | 435.1 | 663.4 | 889.0 | 1047.5 | 1052.9 | 1012.6 | 977.7 | 948.1 | 932.0 | 929.3 |
| 67.5° | 507.6 | 354.5 | 448.6 | 741.3 | 921.3 | 915.9 | 864.9 | 848.8 | 811.2 | 803.1 | 787.0 |
| 70° | 376.0 | 236.4 | 311.6 | 601.6 | 797.7 | 784.3 | 744.0 | 725.2 | 690.3 | 671.5 | 660.7 |
| 72.5° | 311.6 | 190.7 | 228.3 | 467.4 | 671.5 | 655.4 | 620.5 | 599.0 | 569.4 | 553.3 | 542.6 |
| 75° | 252.5 | 201.4 | 174.6 | 346.5 | 545.2 | 534.5 | 502.3 | 480.8 | 456.6 | 435.1 | 437.8 |
| 77.5° | 185.3 | 188.0 | 139.7 | 255.2 | 432.4 | 416.3 | 397.5 | 370.7 | 359.9 | 338.4 | 338.4 |
| 80° | 139.7 | 147.7 | 104.8 | 174.6 | 311.6 | 311.6 | 295.5 | 276.7 | 257.8 | 247.1 | 247.1 |
| 82.5° | 94.0 | 94.0 | 77.9 | 110.1 | 212.2 | 204.1 | 193.4 | 188.0 | 177.3 | 171.9 | 171.9 |
| 85° | 43.0 | 53.7 | 48.3 | 67.1 | 115.5 | 120.9 | 120.9 | 115.5 | 112.8 | 107.4 | 110.1 |
| 87.5° | 13.4 | 24.2 | 29.5 | 37.6 | 59.1 | 61.8 | 64.5 | 64.5 | 64.5 | 67.1 | 67.1 |
| 90° | 8.3 | 15.0 | 21.6 | 23.3 | 36.6 | 54.4 | 63.3 | 56.2 | 42.2 | 31.6 | 31.6 |
| 92.5° | 33.3 | 89.9 | 146.6 | 160.7 | 225.9 | 312.8 | 356.3 | 312.3 | 224.3 | 158.2 | 151.9 |
| 95° | 80.0 | 183.5 | 287.2 | 313.1 | 555.9 | 879.7 | 1041.6 | 929.5 | 705.2 | 537.0 | 517.9 |
| 97.5° | 138.2 | 229.6 | 321.1 | 343.9 | 748.8 | 1288.7 | 1558.6 | 1487.7 | 1346.0 | 1239.7 | 1203.5 |
| 100° | 183.2 | 266.1 | 349.0 | 369.7 | 819.0 | 1418.1 | 1717.7 | 1722.8 | 1733.2 | 1741.0 | 1697.8 |
| 102.5° | 221.5 | 298.9 | 376.1 | 395.5 | 851.2 | 1458.8 | 1762.7 | 1852.9 | 2033.5 | 2169.0 | 2132.0 |
| 105° | 286.4 | 351.9 | 417.4 | 433.8 | 875.1 | 1463.5 | 1757.7 | 1960.1 | 2365.0 | 2668.6 | 2648.7 |
| 107.5° | 353.0 | 414.1 | 475.1 | 490.5 | 879.6 | 1398.4 | 1657.8 | 1940.1 | 2504.8 | 2928.3 | 2933.1 |
| 110° | 398.0 | 453.1 | 508.3 | 522.1 | 872.8 | 1340.6 | 1574.5 | 1890.2 | 2521.5 | 2994.9 | 3015.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 442.1 | 494.7 | 547.2 | 560.4 | 873.2 | 1290.2 | 1498.8 | 1821.8 | 2467.9 | 2952.5 | 2984.3 |
| 115° | 508.7 | 557.2 | 605.7 | 617.8 | 881.2 | 1232.4 | 1408.0 | 1719.2 | 2341.6 | 2808.4 | 2852.6 |
| 117.5° | 574.5 | 618.6 | 662.5 | 673.5 | 897.6 | 1196.1 | 1345.5 | 1626.3 | 2188.1 | 2609.4 | 2658.4 |
| 120° | 612.8 | 654.3 | 695.7 | 706.0 | 910.9 | 1184.0 | 1320.5 | 1577.1 | 2090.4 | 2475.4 | 2522.9 |
| 122.5° | 650.3 | 692.1 | 733.9 | 744.4 | 930.1 | 1177.6 | 1301.3 | 1532.4 | 1994.7 | 2341.3 | 2388.2 |
| 125° | 707.7 | 745.9 | 784.0 | 793.5 | 955.8 | 1172.3 | 1280.6 | 1476.9 | 1869.5 | 2164.0 | 2207.2 |
| 127.5° | 754.4 | 792.9 | 831.4 | 841.0 | 981.7 | 1169.3 | 1263.1 | 1431.7 | 1768.8 | 2021.6 | 2058.1 |
| 130° | 779.4 | 820.8 | 862.2 | 872.6 | 1000.5 | 1171.1 | 1256.4 | 1406.4 | 1706.6 | 1931.6 | 1965.3 |
| 132.5° | 805.2 | 846.6 | 888.0 | 898.4 | 1015.7 | 1172.3 | 1250.6 | 1384.9 | 1653.6 | 1855.1 | 1885.3 |
| 135° | 843.5 | 881.2 | 918.9 | 928.3 | 1032.5 | 1171.2 | 1240.6 | 1353.1 | 1578.1 | 1746.8 | 1772.8 |
| 137.5° | 882.6 | 919.9 | 957.4 | 966.7 | 1057.5 | 1178.4 | 1238.9 | 1334.0 | 1524.3 | 1666.9 | 1688.2 |
| 140° | 915.0 | 949.4 | 983.9 | 992.5 | 1072.7 | 1179.7 | 1233.1 | 1315.3 | 1479.6 | 1602.8 | 1622.7 |
| 142.5° | 940.0 | 971.9 | 1003.6 | 1011.6 | 1085.5 | 1183.9 | 1233.1 | 1305.3 | 1449.6 | 1557.8 | 1574.9 |
| 145° | 978.3 | 1006.1 | 1033.8 | 1040.8 | 1102.1 | 1183.9 | 1224.8 | 1283.8 | 1401.9 | 1490.4 | 1503.4 |
| 147.5° | 1016.6 | 1043.7 | 1070.7 | 1077.4 | 1126.6 | 1192.0 | 1224.8 | 1271.3 | 1364.1 | 1433.8 | 1444.5 |
| 150° | 1041.6 | 1066.0 | 1090.5 | 1096.6 | 1139.3 | 1196.3 | 1224.8 | 1264.0 | 1342.4 | 1401.3 | 1409.9 |
| 152.5° | 1067.4 | 1085.9 | 1104.4 | 1109.0 | 1147.6 | 1199.1 | 1224.8 | 1258.3 | 1325.2 | 1375.5 | 1382.0 |
| 155° | 1105.7 | 1119.4 | 1133.1 | 1136.5 | 1166.0 | 1205.2 | 1224.8 | 1251.5 | 1304.7 | 1344.7 | 1349.1 |
| 157.5° | 1134.0 | 1147.3 | 1160.7 | 1164.0 | 1184.2 | 1211.3 | 1224.8 | 1245.5 | 1286.9 | 1318.0 | 1321.0 |
| 160° | 1153.2 | 1163.5 | 1173.9 | 1176.5 | 1192.6 | 1214.0 | 1224.8 | 1242.5 | 1278.1 | 1304.7 | 1306.5 |
| 162.5° | 1172.3 | 1180.1 | 1187.8 | 1189.8 | 1201.4 | 1217.0 | 1224.8 | 1239.7 | 1269.7 | 1292.2 | 1293.9 |
| 165° | 1193.2 | 1200.2 | 1207.1 | 1208.9 | 1214.2 | 1221.3 | 1224.8 | 1235.5 | 1256.9 | 1273.0 | 1274.8 |
| 167.5° | 1212.3 | 1215.6 | 1219.0 | 1219.8 | 1224.2 | 1230.2 | 1233.1 | 1240.1 | 1254.2 | 1264.7 | 1265.4 |
| 170° | 1224.8 | 1228.1 | 1231.5 | 1232.3 | 1232.6 | 1232.9 | 1233.1 | 1240.1 | 1254.2 | 1264.7 | 1264.7 |
| 172.5° | 1231.4 | 1232.1 | 1232.9 | 1233.1 | 1233.1 | 1233.1 | 1233.1 | 1238.7 | 1249.8 | 1258.1 | 1257.5 |
| 175° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.1 | 1234.8 | 1233.1 | 1236.6 | 1243.7 | 1249.0 | 1249.0 |
| 177.5° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.7 | 1236.1 | 1234.8 | 1237.6 | 1243.1 | 1247.3 | 1246.5 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 |
| 2.5° | 2911.6 | 2903.6 | 2911.6 | 2906.3 | 2909.0 | 2900.9 | 2876.7 | 2868.7 | 2876.7 | 2884.8 | 2884.8 |
| 5° | 2946.6 | 2941.2 | 2946.6 | 2946.6 | 2943.9 | 2938.5 | 2911.6 | 2906.3 | 2911.6 | 2914.3 | 2909.0 |
| 7.5° | 2957.3 | 2949.2 | 2957.3 | 2951.9 | 2951.9 | 2946.6 | 2919.7 | 2914.3 | 2917.0 | 2925.1 | 2917.0 |
| 10° | 2957.3 | 2949.2 | 2957.3 | 2954.6 | 2951.9 | 2946.6 | 2919.7 | 2909.0 | 2909.0 | 2917.0 | 2909.0 |
| 12.5° | 2943.9 | 2938.5 | 2943.9 | 2938.5 | 2938.5 | 2933.1 | 2906.3 | 2895.5 | 2898.2 | 2900.9 | 2890.2 |
| 15° | 2922.4 | 2914.3 | 2922.4 | 2917.0 | 2919.7 | 2911.6 | 2882.1 | 2871.4 | 2871.4 | 2876.7 | 2857.9 |
| 17.5° | 2890.2 | 2879.4 | 2890.2 | 2887.5 | 2884.8 | 2879.4 | 2852.6 | 2841.8 | 2839.1 | 2841.8 | 2828.4 |
| 20° | 2852.6 | 2844.5 | 2852.6 | 2849.9 | 2849.9 | 2839.1 | 2812.3 | 2798.8 | 2798.8 | 2798.8 | 2785.4 |
| 22.5° | 2793.5 | 2785.4 | 2793.5 | 2798.8 | 2798.8 | 2796.1 | 2772.0 | 2753.2 | 2747.8 | 2747.8 | 2731.7 |
| 25° | 2726.3 | 2718.3 | 2726.3 | 2726.3 | 2723.6 | 2726.3 | 2718.3 | 2707.5 | 2699.5 | 2691.4 | 2675.3 |
| 27.5° | 2661.9 | 2656.5 | 2661.9 | 2656.5 | 2661.9 | 2653.8 | 2651.1 | 2648.4 | 2637.7 | 2629.6 | 2608.1 |
| 30° | 2597.4 | 2592.0 | 2597.4 | 2592.0 | 2586.6 | 2581.3 | 2567.8 | 2562.5 | 2573.2 | 2567.8 | 2532.9 |
| 32.5° | 2516.8 | 2511.4 | 2516.8 | 2516.8 | 2511.4 | 2511.4 | 2490.0 | 2481.9 | 2484.6 | 2500.7 | 2468.5 |
| 35° | 2433.5 | 2425.5 | 2433.5 | 2430.9 | 2433.5 | 2425.5 | 2412.1 | 2409.4 | 2398.6 | 2417.4 | 2393.3 |
| 37.5° | 2336.8 | 2328.7 | 2336.8 | 2336.8 | 2336.8 | 2342.1 | 2331.4 | 2323.3 | 2307.2 | 2331.4 | 2312.6 |
| 40° | 2237.4 | 2226.6 | 2237.4 | 2234.7 | 2237.4 | 2242.8 | 2237.4 | 2232.0 | 2215.9 | 2234.7 | 2218.6 |
| 42.5° | 2124.6 | 2121.9 | 2124.6 | 2127.3 | 2127.3 | 2138.0 | 2146.1 | 2135.3 | 2129.9 | 2116.5 | 2127.3 |
| 45° | 2003.7 | 1998.3 | 2003.7 | 2009.1 | 2011.8 | 2017.1 | 2041.3 | 2041.3 | 2033.3 | 2011.8 | 2027.9 |
| 47.5° | 1874.8 | 1861.4 | 1874.8 | 1890.9 | 1890.9 | 1899.0 | 1923.1 | 1941.9 | 1928.5 | 1901.6 | 1909.7 |
| 50° | 1737.8 | 1740.5 | 1737.8 | 1748.5 | 1748.5 | 1778.1 | 1796.9 | 1815.7 | 1829.1 | 1796.9 | 1759.3 |
| 52.5° | 1603.5 | 1600.8 | 1603.5 | 1611.6 | 1622.3 | 1635.7 | 1668.0 | 1686.8 | 1708.3 | 1689.5 | 1630.4 |
| 55° | 1469.2 | 1474.6 | 1469.2 | 1471.9 | 1477.3 | 1485.3 | 1533.7 | 1552.5 | 1592.8 | 1568.6 | 1506.8 |
| 57.5° | 1334.9 | 1326.9 | 1334.9 | 1340.3 | 1343.0 | 1351.0 | 1391.3 | 1426.2 | 1450.4 | 1453.1 | 1377.9 |
| 60° | 1179.1 | 1168.4 | 1179.1 | 1203.3 | 1208.7 | 1214.0 | 1251.6 | 1283.9 | 1305.4 | 1313.4 | 1235.5 |
| 62.5° | 1042.1 | 1023.3 | 1042.1 | 1058.3 | 1069.0 | 1082.4 | 1109.3 | 1157.6 | 1176.4 | 1179.1 | 1069.0 |
| 65° | 897.1 | 889.0 | 897.1 | 929.3 | 932.0 | 948.1 | 977.7 | 1012.6 | 1052.9 | 1047.5 | 889.0 |
| 67.5° | 765.5 | 765.5 | 765.5 | 787.0 | 803.1 | 811.2 | 848.8 | 864.9 | 915.9 | 921.3 | 741.3 |
| 70° | 644.6 | 641.9 | 644.6 | 660.7 | 671.5 | 690.3 | 725.2 | 744.0 | 784.3 | 797.7 | 601.6 |
| 72.5° | 529.1 | 526.4 | 529.1 | 542.6 | 553.3 | 569.4 | 599.0 | 620.5 | 655.4 | 671.5 | 467.4 |
| 75° | 427.1 | 421.7 | 427.1 | 437.8 | 435.1 | 456.6 | 480.8 | 502.3 | 534.5 | 545.2 | 346.5 |
| 77.5° | 327.7 | 327.7 | 327.7 | 338.4 | 338.4 | 359.9 | 370.7 | 397.5 | 416.3 | 432.4 | 255.2 |
| 80° | 244.4 | 241.7 | 244.4 | 247.1 | 247.1 | 257.8 | 276.7 | 295.5 | 311.6 | 311.6 | 174.6 |
| 82.5° | 171.9 | 166.5 | 171.9 | 171.9 | 171.9 | 177.3 | 188.0 | 193.4 | 204.1 | 212.2 | 110.1 |
| 85° | 107.4 | 107.4 | 107.4 | 110.1 | 107.4 | 112.8 | 115.5 | 120.9 | 120.9 | 115.5 | 67.1 |
| 87.5° | 69.8 | 67.1 | 69.8 | 67.1 | 67.1 | 64.5 | 64.5 | 64.5 | 61.8 | 59.1 | 37.6 |
| 90° | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 42.2 | 56.2 | 63.3 | 54.4 | 36.6 | 23.3 |
| 92.5° | 126.8 | 101.6 | 126.8 | 151.9 | 158.2 | 224.3 | 312.3 | 356.3 | 312.8 | 225.9 | 160.7 |
| 95° | 441.7 | 365.6 | 441.7 | 517.9 | 537.0 | 705.2 | 929.5 | 1041.6 | 879.7 | 555.9 | 313.1 |
| 97.5° | 1058.4 | 913.4 | 1058.4 | 1203.5 | 1239.7 | 1346.0 | 1487.7 | 1558.6 | 1288.7 | 748.8 | 343.9 |
| 100° | 1525.0 | 1352.2 | 1525.0 | 1697.8 | 1741.0 | 1733.2 | 1722.8 | 1717.7 | 1418.1 | 819.0 | 369.7 |
| 102.5° | 1983.9 | 1835.9 | 1983.9 | 2132.0 | 2169.0 | 2033.5 | 1852.9 | 1762.7 | 1458.8 | 851.2 | 395.5 |
| 105° | 2569.1 | 2489.5 | 2569.1 | 2648.7 | 2668.6 | 2365.0 | 1960.1 | 1757.7 | 1463.5 | 875.1 | 433.8 |
| 107.5° | 2952.4 | 2971.6 | 2952.4 | 2933.1 | 2928.3 | 2504.8 | 1940.1 | 1657.8 | 1398.4 | 879.6 | 490.5 |
| 110° | 3098.5 | 3181.4 | 3098.5 | 3015.6 | 2994.9 | 2521.5 | 1890.2 | 1574.5 | 1340.6 | 872.8 | 522.1 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3111.6 | 3238.9 | 3111.6 | 2984.3 | 2952.5 | 2467.9 | 1821.8 | 1498.8 | 1290.2 | 873.2 | 560.4 |
| 115° | 3029.0 | 3205.6 | 3029.0 | 2852.6 | 2808.4 | 2341.6 | 1719.2 | 1408.0 | 1232.4 | 881.2 | 617.8 |
| 117.5° | 2854.1 | 3049.9 | 2854.1 | 2658.4 | 2609.4 | 2188.1 | 1626.3 | 1345.5 | 1196.1 | 897.6 | 673.5 |
| 120° | 2713.2 | 2903.3 | 2713.2 | 2522.9 | 2475.4 | 2090.4 | 1577.1 | 1320.5 | 1184.0 | 910.9 | 706.0 |
| 122.5° | 2575.8 | 2763.5 | 2575.8 | 2388.2 | 2341.3 | 1994.7 | 1532.4 | 1301.3 | 1177.6 | 930.1 | 744.4 |
| 125° | 2380.0 | 2552.8 | 2380.0 | 2207.2 | 2164.0 | 1869.5 | 1476.9 | 1280.6 | 1172.3 | 955.8 | 793.5 |
| 127.5° | 2203.9 | 2349.7 | 2203.9 | 2058.1 | 2021.6 | 1768.8 | 1431.7 | 1263.1 | 1169.3 | 981.7 | 841.0 |
| 130° | 2100.0 | 2234.8 | 2100.0 | 1965.3 | 1931.6 | 1706.6 | 1406.4 | 1256.4 | 1171.1 | 1000.5 | 872.6 |
| 132.5° | 2005.9 | 2126.5 | 2005.9 | 1885.3 | 1855.1 | 1653.6 | 1384.9 | 1250.6 | 1172.3 | 1015.7 | 898.4 |
| 135° | 1876.8 | 1980.8 | 1876.8 | 1772.8 | 1746.8 | 1578.1 | 1353.1 | 1240.6 | 1171.2 | 1032.5 | 928.3 |
| 137.5° | 1773.3 | 1858.4 | 1773.3 | 1688.2 | 1666.9 | 1524.3 | 1334.0 | 1238.9 | 1178.4 | 1057.5 | 966.7 |
| 140° | 1702.3 | 1781.8 | 1702.3 | 1622.7 | 1602.8 | 1479.6 | 1315.3 | 1233.1 | 1179.7 | 1072.7 | 992.5 |
| 142.5° | 1643.4 | 1711.8 | 1643.4 | 1574.9 | 1557.8 | 1449.6 | 1305.3 | 1233.1 | 1183.9 | 1085.5 | 1011.6 |
| 145° | 1555.2 | 1606.9 | 1555.2 | 1503.4 | 1490.4 | 1401.9 | 1283.8 | 1224.8 | 1183.9 | 1102.1 | 1040.8 |
| 147.5° | 1487.4 | 1530.4 | 1487.4 | 1444.5 | 1433.8 | 1364.1 | 1271.3 | 1224.8 | 1192.0 | 1126.6 | 1077.4 |
| 150° | 1444.8 | 1479.6 | 1444.8 | 1409.9 | 1401.3 | 1342.4 | 1264.0 | 1224.8 | 1196.3 | 1139.3 | 1096.6 |
| 152.5° | 1408.3 | 1434.6 | 1408.3 | 1382.0 | 1375.5 | 1325.2 | 1258.3 | 1224.8 | 1199.1 | 1147.6 | 1109.0 |
| 155° | 1366.4 | 1383.8 | 1366.4 | 1349.1 | 1344.7 | 1304.7 | 1251.5 | 1224.8 | 1205.2 | 1166.0 | 1136.5 |
| 157.5° | 1333.3 | 1345.5 | 1333.3 | 1321.0 | 1318.0 | 1286.9 | 1245.5 | 1224.8 | 1211.3 | 1184.2 | 1164.0 |
| 160° | 1313.5 | 1320.5 | 1313.5 | 1306.5 | 1304.7 | 1278.1 | 1242.5 | 1224.8 | 1214.0 | 1192.6 | 1176.5 |
| 162.5° | 1300.5 | 1307.2 | 1300.5 | 1293.9 | 1292.2 | 1269.7 | 1239.7 | 1224.8 | 1217.0 | 1201.4 | 1189.8 |
| 165° | 1281.8 | 1288.9 | 1281.8 | 1274.8 | 1273.0 | 1256.9 | 1235.5 | 1224.8 | 1221.3 | 1214.2 | 1208.9 |
| 167.5° | 1268.5 | 1271.4 | 1268.5 | 1265.4 | 1264.7 | 1254.2 | 1240.1 | 1233.1 | 1230.2 | 1224.2 | 1219.8 |
| 170° | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1254.2 | 1240.1 | 1233.1 | 1232.9 | 1232.6 | 1232.3 |
| 172.5° | 1254.9 | 1252.3 | 1254.9 | 1257.5 | 1258.1 | 1249.8 | 1238.7 | 1233.1 | 1233.1 | 1233.1 | 1233.1 |
| 175° | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1243.7 | 1236.6 | 1233.1 | 1234.8 | 1238.1 | 1240.6 |
| 177.5° | 1243.6 | 1240.6 | 1243.6 | 1246.5 | 1247.3 | 1243.1 | 1237.6 | 1234.8 | 1236.1 | 1238.7 | 1240.6 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 |
| 2.5° | 2879.4 | 2863.3 | 2863.3 | 2836.4 | 2825.7 | 2817.6 | 2804.2 | 2763.9 | 2753.2 | 2742.4 | 2758.5 |
| 5° | 2903.6 | 2874.0 | 2852.6 | 2804.2 | 2763.9 | 2747.8 | 2696.8 | 2600.1 | 2535.6 | 2487.3 | 2460.4 |
| 7.5° | 2909.0 | 2871.4 | 2831.1 | 2755.9 | 2659.2 | 2616.2 | 2460.4 | 2283.0 | 2234.7 | 2191.7 | 2164.9 |
| 10° | 2903.6 | 2860.6 | 2804.2 | 2691.4 | 2463.1 | 2387.9 | 2232.0 | 2116.5 | 2087.0 | 2078.9 | 2087.0 |
| 12.5° | 2884.8 | 2844.5 | 2766.6 | 2578.6 | 2258.9 | 2207.8 | 2116.5 | 2049.4 | 2044.0 | 2057.4 | 2129.9 |
| 15° | 2852.6 | 2815.0 | 2723.6 | 2428.2 | 2146.1 | 2108.5 | 2044.0 | 2019.8 | 2049.4 | 2143.4 | 2360.9 |
| 17.5° | 2820.3 | 2777.3 | 2664.5 | 2280.4 | 2060.1 | 2033.3 | 1987.6 | 2035.9 | 2202.5 | 2328.7 | 2401.3 |
| 20° | 2777.3 | 2726.3 | 2597.4 | 2172.9 | 1998.3 | 1974.2 | 1952.7 | 2170.2 | 2296.5 | 2342.1 | 2382.5 |
| 22.5° | 2726.3 | 2672.6 | 2506.1 | 2097.7 | 1933.9 | 1915.1 | 1928.5 | 2245.4 | 2296.5 | 2328.7 | 2363.6 |
| 25° | 2659.2 | 2613.5 | 2398.6 | 2038.6 | 1882.8 | 1861.4 | 1912.4 | 2237.4 | 2266.9 | 2275.0 | 2344.8 |
| 27.5° | 2597.4 | 2538.3 | 2285.7 | 1984.9 | 1821.1 | 1813.0 | 1925.8 | 2202.5 | 2224.0 | 2232.0 | 2307.2 |
| 30° | 2522.2 | 2433.5 | 2159.5 | 1928.5 | 1756.6 | 1753.9 | 1928.5 | 2159.5 | 2154.1 | 2175.6 | 2250.8 |
| 32.5° | 2444.3 | 2277.7 | 2017.1 | 1858.7 | 1694.8 | 1692.1 | 1909.7 | 2095.0 | 2089.7 | 2119.2 | 2175.6 |
| 35° | 2371.8 | 2156.8 | 1823.8 | 1778.1 | 1616.9 | 1619.6 | 1864.0 | 2019.8 | 2022.5 | 2049.4 | 2084.3 |
| 37.5° | 2296.5 | 2052.1 | 1611.6 | 1689.5 | 1541.7 | 1541.7 | 1802.3 | 1950.0 | 1944.6 | 1952.7 | 2001.0 |
| 40° | 2207.8 | 1888.2 | 1423.5 | 1574.0 | 1471.9 | 1463.8 | 1727.1 | 1874.8 | 1856.0 | 1853.3 | 1920.4 |
| 42.5° | 2113.8 | 1708.3 | 1283.9 | 1420.9 | 1391.3 | 1380.6 | 1635.7 | 1783.5 | 1748.5 | 1756.6 | 1842.6 |
| 45° | 2011.8 | 1659.9 | 1176.4 | 1200.6 | 1308.1 | 1300.0 | 1536.4 | 1678.7 | 1654.5 | 1676.0 | 1764.7 |
| 47.5° | 1909.7 | 1563.2 | 1141.5 | 996.5 | 1219.4 | 1216.7 | 1426.2 | 1576.6 | 1563.2 | 1584.7 | 1678.7 |
| 50° | 1770.0 | 1455.8 | 1138.8 | 854.1 | 1120.0 | 1130.8 | 1294.6 | 1477.3 | 1477.3 | 1496.1 | 1595.4 |
| 52.5° | 1590.1 | 1324.2 | 1034.1 | 773.5 | 1004.5 | 1036.8 | 1179.1 | 1391.3 | 1396.7 | 1415.5 | 1504.1 |
| 55° | 1426.2 | 1187.2 | 958.9 | 711.8 | 867.6 | 937.4 | 1066.3 | 1302.7 | 1313.4 | 1332.2 | 1412.8 |
| 57.5° | 1275.8 | 988.4 | 942.8 | 639.3 | 741.3 | 808.5 | 966.9 | 1216.7 | 1222.1 | 1238.2 | 1316.1 |
| 60° | 1114.7 | 714.5 | 864.9 | 561.4 | 631.2 | 682.2 | 875.6 | 1114.7 | 1133.5 | 1144.2 | 1211.4 |
| 62.5° | 932.0 | 518.4 | 784.3 | 507.6 | 577.5 | 588.2 | 800.4 | 1018.0 | 1042.1 | 1050.2 | 1090.5 |
| 65° | 663.4 | 435.1 | 666.1 | 462.0 | 521.1 | 523.8 | 719.8 | 918.6 | 940.1 | 953.5 | 983.1 |
| 67.5° | 448.6 | 354.5 | 507.6 | 419.0 | 478.1 | 480.8 | 641.9 | 803.1 | 832.6 | 843.4 | 862.2 |
| 70° | 311.6 | 236.4 | 376.0 | 373.3 | 429.7 | 435.1 | 558.7 | 698.3 | 725.2 | 733.3 | 744.0 |
| 72.5° | 228.3 | 190.7 | 311.6 | 335.7 | 378.7 | 384.1 | 472.7 | 580.2 | 607.0 | 615.1 | 620.5 |
| 75° | 174.6 | 201.4 | 252.5 | 292.8 | 322.3 | 325.0 | 386.8 | 472.7 | 491.5 | 496.9 | 499.6 |
| 77.5° | 139.7 | 188.0 | 185.3 | 236.4 | 263.2 | 257.8 | 303.5 | 365.3 | 381.4 | 381.4 | 381.4 |
| 80° | 104.8 | 147.7 | 139.7 | 169.2 | 193.4 | 188.0 | 217.6 | 260.5 | 265.9 | 271.3 | 268.6 |
| 82.5° | 77.9 | 94.0 | 94.0 | 107.4 | 128.9 | 123.6 | 145.0 | 169.2 | 169.2 | 169.2 | 174.6 |
| 85° | 48.3 | 53.7 | 43.0 | 56.4 | 72.5 | 69.8 | 80.6 | 91.3 | 94.0 | 94.0 | 88.6 |
| 87.5° | 29.5 | 24.2 | 13.4 | 21.5 | 32.2 | 32.2 | 37.6 | 40.3 | 37.6 | 37.6 | 37.6 |
| 90° | 21.6 | 15.0 | 8.3 | 15.0 | 21.6 | 23.3 | 36.6 | 54.4 | 63.3 | 56.2 | 42.2 |
| 92.5° | 146.6 | 89.9 | 33.3 | 89.9 | 146.6 | 160.7 | 225.9 | 312.8 | 356.3 | 312.3 | 224.3 |
| 95° | 287.2 | 183.5 | 80.0 | 183.5 | 287.2 | 313.1 | 555.9 | 879.7 | 1041.6 | 929.5 | 705.2 |
| 97.5° | 321.1 | 229.6 | 138.2 | 229.6 | 321.1 | 343.9 | 748.8 | 1288.7 | 1558.6 | 1487.7 | 1346.0 |
| 100° | 349.0 | 266.1 | 183.2 | 266.1 | 349.0 | 369.7 | 819.0 | 1418.1 | 1717.7 | 1722.8 | 1733.2 |
| 102.5° | 376.1 | 298.9 | 221.5 | 298.9 | 376.1 | 395.5 | 851.2 | 1458.8 | 1762.7 | 1852.9 | 2033.5 |
| 105° | 417.4 | 351.9 | 286.4 | 351.9 | 417.4 | 433.8 | 875.1 | 1463.5 | 1757.7 | 1960.1 | 2365.0 |
| 107.5° | 475.1 | 414.1 | 353.0 | 414.1 | 475.1 | 490.5 | 879.6 | 1398.4 | 1657.8 | 1940.1 | 2504.8 |
| 110° | 508.3 | 453.1 | 398.0 | 453.1 | 508.3 | 522.1 | 872.8 | 1340.6 | 1574.5 | 1890.2 | 2521.5 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 547.2 | 494.7 | 442.1 | 494.7 | 547.2 | 560.4 | 873.2 | 1290.2 | 1498.8 | 1821.8 | 2467.9 |
| 115° | 605.7 | 557.2 | 508.7 | 557.2 | 605.7 | 617.8 | 881.2 | 1232.4 | 1408.0 | 1719.2 | 2341.6 |
| 117.5° | 662.5 | 618.6 | 574.5 | 618.6 | 662.5 | 673.5 | 897.6 | 1196.1 | 1345.5 | 1626.3 | 2188.1 |
| 120° | 695.7 | 654.3 | 612.8 | 654.3 | 695.7 | 706.0 | 910.9 | 1184.0 | 1320.5 | 1577.1 | 2090.4 |
| 122.5° | 733.9 | 692.1 | 650.3 | 692.1 | 733.9 | 744.4 | 930.1 | 1177.6 | 1301.3 | 1532.4 | 1994.7 |
| 125° | 784.0 | 745.9 | 707.7 | 745.9 | 784.0 | 793.5 | 955.8 | 1172.3 | 1280.6 | 1476.9 | 1869.5 |
| 127.5° | 831.4 | 792.9 | 754.4 | 792.9 | 831.4 | 841.0 | 981.7 | 1169.3 | 1263.1 | 1431.7 | 1768.8 |
| 130° | 862.2 | 820.8 | 779.4 | 820.8 | 862.2 | 872.6 | 1000.5 | 1171.1 | 1256.4 | 1406.4 | 1706.6 |
| 132.5° | 888.0 | 846.6 | 805.2 | 846.6 | 888.0 | 898.4 | 1015.7 | 1172.3 | 1250.6 | 1384.9 | 1653.6 |
| 135° | 918.9 | 881.2 | 843.5 | 881.2 | 918.9 | 928.3 | 1032.5 | 1171.2 | 1240.6 | 1353.1 | 1578.1 |
| 137.5° | 957.4 | 919.9 | 882.6 | 919.9 | 957.4 | 966.7 | 1057.5 | 1178.4 | 1238.9 | 1334.0 | 1524.3 |
| 140° | 983.9 | 949.4 | 915.0 | 949.4 | 983.9 | 992.5 | 1072.7 | 1179.7 | 1233.1 | 1315.3 | 1479.6 |
| 142.5° | 1003.6 | 971.9 | 940.0 | 971.9 | 1003.6 | 1011.6 | 1085.5 | 1183.9 | 1233.1 | 1305.3 | 1449.6 |
| 145° | 1033.8 | 1006.1 | 978.3 | 1006.1 | 1033.8 | 1040.8 | 1102.1 | 1183.9 | 1224.8 | 1283.8 | 1401.9 |
| 147.5° | 1070.7 | 1043.7 | 1016.6 | 1043.7 | 1070.7 | 1077.4 | 1126.6 | 1192.0 | 1224.8 | 1271.3 | 1364.1 |
| 150° | 1090.5 | 1066.0 | 1041.6 | 1066.0 | 1090.5 | 1096.6 | 1139.3 | 1196.3 | 1224.8 | 1264.0 | 1342.4 |
| 152.5° | 1104.4 | 1085.9 | 1067.4 | 1085.9 | 1104.4 | 1109.0 | 1147.6 | 1199.1 | 1224.8 | 1258.3 | 1325.2 |
| 155° | 1133.1 | 1119.4 | 1105.7 | 1119.4 | 1133.1 | 1136.5 | 1166.0 | 1205.2 | 1224.8 | 1251.5 | 1304.7 |
| 157.5° | 1160.7 | 1147.3 | 1134.0 | 1147.3 | 1160.7 | 1164.0 | 1184.2 | 1211.3 | 1224.8 | 1245.5 | 1286.9 |
| 160° | 1173.9 | 1163.5 | 1153.2 | 1163.5 | 1173.9 | 1176.5 | 1192.6 | 1214.0 | 1224.8 | 1242.5 | 1278.1 |
| 162.5° | 1187.8 | 1180.1 | 1172.3 | 1180.1 | 1187.8 | 1189.8 | 1201.4 | 1217.0 | 1224.8 | 1239.7 | 1269.7 |
| 165° | 1207.1 | 1200.2 | 1193.2 | 1200.2 | 1207.1 | 1208.9 | 1214.2 | 1221.3 | 1224.8 | 1235.5 | 1256.9 |
| 167.5° | 1219.0 | 1215.6 | 1212.3 | 1215.6 | 1219.0 | 1219.8 | 1224.2 | 1230.2 | 1233.1 | 1240.1 | 1254.2 |
| 170° | 1231.5 | 1228.1 | 1224.8 | 1228.1 | 1231.5 | 1232.3 | 1232.6 | 1232.9 | 1233.1 | 1240.1 | 1254.2 |
| 172.5° | 1232.9 | 1232.1 | 1231.4 | 1232.1 | 1232.9 | 1233.1 | 1233.1 | 1233.1 | 1233.1 | 1238.7 | 1249.8 |
| 175° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.1 | 1234.8 | 1233.1 | 1236.6 | 1243.7 |
| 177.5° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1238.7 | 1236.1 | 1234.8 | 1237.6 | 1243.1 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 |
| 2.5° | 2739.7 | 2731.7 | 2742.4 | 2712.9 | 2742.4 | 2731.7 | 2739.7 | 2758.5 | 2742.4 | 2753.2 | 2763.9 |
| 5° | 2404.0 | 2390.6 | 2347.5 | 2312.6 | 2347.5 | 2390.6 | 2404.0 | 2460.4 | 2487.3 | 2535.6 | 2600.1 |
| 7.5° | 2148.7 | 2138.0 | 2127.3 | 2105.8 | 2127.3 | 2138.0 | 2148.7 | 2164.9 | 2191.7 | 2234.7 | 2283.0 |
| 10° | 2092.3 | 2095.0 | 2111.1 | 2108.5 | 2111.1 | 2095.0 | 2092.3 | 2087.0 | 2078.9 | 2087.0 | 2116.5 |
| 12.5° | 2237.4 | 2261.6 | 2350.2 | 2344.8 | 2350.2 | 2261.6 | 2237.4 | 2129.9 | 2057.4 | 2044.0 | 2049.4 |
| 15° | 2404.0 | 2412.1 | 2430.9 | 2433.5 | 2430.9 | 2412.1 | 2404.0 | 2360.9 | 2143.4 | 2049.4 | 2019.8 |
| 17.5° | 2420.1 | 2422.8 | 2436.2 | 2436.2 | 2436.2 | 2422.8 | 2420.1 | 2401.3 | 2328.7 | 2202.5 | 2035.9 |
| 20° | 2406.7 | 2412.1 | 2438.9 | 2444.3 | 2438.9 | 2412.1 | 2406.7 | 2382.5 | 2342.1 | 2296.5 | 2170.2 |
| 22.5° | 2401.3 | 2412.1 | 2433.5 | 2430.9 | 2433.5 | 2412.1 | 2401.3 | 2363.6 | 2328.7 | 2296.5 | 2245.4 |
| 25° | 2374.5 | 2374.5 | 2377.1 | 2379.8 | 2377.1 | 2374.5 | 2374.5 | 2344.8 | 2275.0 | 2266.9 | 2237.4 |
| 27.5° | 2318.0 | 2323.3 | 2339.5 | 2336.8 | 2339.5 | 2323.3 | 2318.0 | 2307.2 | 2232.0 | 2224.0 | 2202.5 |
| 30° | 2266.9 | 2261.6 | 2248.1 | 2237.4 | 2248.1 | 2261.6 | 2266.9 | 2250.8 | 2175.6 | 2154.1 | 2159.5 |
| 32.5° | 2181.0 | 2167.6 | 2154.1 | 2146.1 | 2154.1 | 2167.6 | 2181.0 | 2175.6 | 2119.2 | 2089.7 | 2095.0 |
| 35° | 2078.9 | 2081.6 | 2078.9 | 2070.9 | 2078.9 | 2081.6 | 2078.9 | 2084.3 | 2049.4 | 2022.5 | 2019.8 |
| 37.5° | 2006.4 | 2011.8 | 2009.1 | 1998.3 | 2009.1 | 2011.8 | 2006.4 | 2001.0 | 1952.7 | 1944.6 | 1950.0 |
| 40° | 1931.2 | 1933.9 | 1931.2 | 1923.1 | 1931.2 | 1933.9 | 1931.2 | 1920.4 | 1853.3 | 1856.0 | 1874.8 |
| 42.5° | 1858.7 | 1856.0 | 1847.9 | 1842.6 | 1847.9 | 1856.0 | 1858.7 | 1842.6 | 1756.6 | 1748.5 | 1783.5 |
| 45° | 1775.4 | 1778.1 | 1762.0 | 1753.9 | 1762.0 | 1778.1 | 1775.4 | 1764.7 | 1676.0 | 1654.5 | 1678.7 |
| 47.5° | 1692.1 | 1692.1 | 1678.7 | 1670.7 | 1678.7 | 1692.1 | 1692.1 | 1678.7 | 1584.7 | 1563.2 | 1576.6 |
| 50° | 1603.5 | 1600.8 | 1582.0 | 1579.3 | 1582.0 | 1600.8 | 1603.5 | 1595.4 | 1496.1 | 1477.3 | 1477.3 |
| 52.5° | 1501.4 | 1501.4 | 1504.1 | 1509.5 | 1504.1 | 1501.4 | 1501.4 | 1504.1 | 1415.5 | 1396.7 | 1391.3 |
| 55° | 1412.8 | 1415.5 | 1434.3 | 1439.7 | 1434.3 | 1415.5 | 1412.8 | 1412.8 | 1332.2 | 1313.4 | 1302.7 |
| 57.5° | 1321.5 | 1321.5 | 1334.9 | 1334.9 | 1334.9 | 1321.5 | 1321.5 | 1316.1 | 1238.2 | 1222.1 | 1216.7 |
| 60° | 1216.7 | 1222.1 | 1232.8 | 1230.2 | 1232.8 | 1222.1 | 1216.7 | 1211.4 | 1144.2 | 1133.5 | 1114.7 |
| 62.5° | 1106.6 | 1112.0 | 1114.7 | 1109.3 | 1114.7 | 1112.0 | 1106.6 | 1090.5 | 1050.2 | 1042.1 | 1018.0 |
| 65° | 991.1 | 996.5 | 999.2 | 993.8 | 999.2 | 996.5 | 991.1 | 983.1 | 953.5 | 940.1 | 918.6 |
| 67.5° | 872.9 | 870.2 | 867.6 | 878.3 | 867.6 | 870.2 | 872.9 | 862.2 | 843.4 | 832.6 | 803.1 |
| 70° | 752.1 | 752.1 | 749.4 | 754.7 | 749.4 | 752.1 | 752.1 | 744.0 | 733.3 | 725.2 | 698.3 |
| 72.5° | 623.1 | 620.5 | 631.2 | 623.1 | 631.2 | 620.5 | 623.1 | 620.5 | 615.1 | 607.0 | 580.2 |
| 75° | 496.9 | 502.3 | 496.9 | 505.0 | 496.9 | 502.3 | 496.9 | 499.6 | 496.9 | 491.5 | 472.7 |
| 77.5° | 378.7 | 384.1 | 378.7 | 378.7 | 378.7 | 384.1 | 378.7 | 381.4 | 381.4 | 381.4 | 365.3 |
| 80° | 268.6 | 265.9 | 265.9 | 263.2 | 265.9 | 265.9 | 268.6 | 268.6 | 271.3 | 265.9 | 260.5 |
| 82.5° | 171.9 | 169.2 | 169.2 | 174.6 | 169.2 | 169.2 | 171.9 | 174.6 | 169.2 | 169.2 | 169.2 |
| 85° | 94.0 | 96.7 | 91.3 | 91.3 | 91.3 | 96.7 | 94.0 | 88.6 | 94.0 | 94.0 | 91.3 |
| 87.5° | 34.9 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 34.9 | 37.6 | 37.6 | 37.6 | 40.3 |
| 90° | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 42.2 | 56.2 | 63.3 | 54.4 |
| 92.5° | 158.2 | 151.9 | 126.8 | 101.6 | 126.8 | 151.9 | 158.2 | 224.3 | 312.3 | 356.3 | 312.8 |
| 95° | 537.0 | 517.9 | 441.7 | 365.6 | 441.7 | 517.9 | 537.0 | 705.2 | 929.5 | 1041.6 | 879.7 |
| 97.5° | 1239.7 | 1203.5 | 1058.4 | 913.4 | 1058.4 | 1203.5 | 1239.7 | 1346.0 | 1487.7 | 1558.6 | 1288.7 |
| 100° | 1741.0 | 1697.8 | 1525.0 | 1352.2 | 1525.0 | 1697.8 | 1741.0 | 1733.2 | 1722.8 | 1717.7 | 1418.1 |
| 102.5° | 2169.0 | 2132.0 | 1983.9 | 1835.9 | 1983.9 | 2132.0 | 2169.0 | 2033.5 | 1852.9 | 1762.7 | 1458.8 |
| 105° | 2668.6 | 2648.7 | 2569.1 | 2489.5 | 2569.1 | 2648.7 | 2668.6 | 2365.0 | 1960.1 | 1757.7 | 1463.5 |
| 107.5° | 2928.3 | 2933.1 | 2952.4 | 2971.6 | 2952.4 | 2933.1 | 2928.3 | 2504.8 | 1940.1 | 1657.8 | 1398.4 |
| 110° | 2994.9 | 3015.6 | 3098.5 | 3181.4 | 3098.5 | 3015.6 | 2994.9 | 2521.5 | 1890.2 | 1574.5 | 1340.6 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2952.5 | 2984.3 | 3111.6 | 3238.9 | 3111.6 | 2984.3 | 2952.5 | 2467.9 | 1821.8 | 1498.8 | 1290.2 |
| 115° | 2808.4 | 2852.6 | 3029.0 | 3205.6 | 3029.0 | 2852.6 | 2808.4 | 2341.6 | 1719.2 | 1408.0 | 1232.4 |
| 117.5° | 2609.4 | 2658.4 | 2854.1 | 3049.9 | 2854.1 | 2658.4 | 2609.4 | 2188.1 | 1626.3 | 1345.5 | 1196.1 |
| 120° | 2475.4 | 2522.9 | 2713.2 | 2903.3 | 2713.2 | 2522.9 | 2475.4 | 2090.4 | 1577.1 | 1320.5 | 1184.0 |
| 122.5° | 2341.3 | 2388.2 | 2575.8 | 2763.5 | 2575.8 | 2388.2 | 2341.3 | 1994.7 | 1532.4 | 1301.3 | 1177.6 |
| 125° | 2164.0 | 2207.2 | 2380.0 | 2552.8 | 2380.0 | 2207.2 | 2164.0 | 1869.5 | 1476.9 | 1280.6 | 1172.3 |
| 127.5° | 2021.6 | 2058.1 | 2203.9 | 2349.7 | 2203.9 | 2058.1 | 2021.6 | 1768.8 | 1431.7 | 1263.1 | 1169.3 |
| 130° | 1931.6 | 1965.3 | 2100.0 | 2234.8 | 2100.0 | 1965.3 | 1931.6 | 1706.6 | 1406.4 | 1256.4 | 1171.1 |
| 132.5° | 1855.1 | 1885.3 | 2005.9 | 2126.5 | 2005.9 | 1885.3 | 1855.1 | 1653.6 | 1384.9 | 1250.6 | 1172.3 |
| 135° | 1746.8 | 1772.8 | 1876.8 | 1980.8 | 1876.8 | 1772.8 | 1746.8 | 1578.1 | 1353.1 | 1240.6 | 1171.2 |
| 137.5° | 1666.9 | 1688.2 | 1773.3 | 1858.4 | 1773.3 | 1688.2 | 1666.9 | 1524.3 | 1334.0 | 1238.9 | 1178.4 |
| 140° | 1602.8 | 1622.7 | 1702.3 | 1781.8 | 1702.3 | 1622.7 | 1602.8 | 1479.6 | 1315.3 | 1233.1 | 1179.7 |
| 142.5° | 1557.8 | 1574.9 | 1643.4 | 1711.8 | 1643.4 | 1574.9 | 1557.8 | 1449.6 | 1305.3 | 1233.1 | 1183.9 |
| 145° | 1490.4 | 1503.4 | 1555.2 | 1606.9 | 1555.2 | 1503.4 | 1490.4 | 1401.9 | 1283.8 | 1224.8 | 1183.9 |
| 147.5° | 1433.8 | 1444.5 | 1487.4 | 1530.4 | 1487.4 | 1444.5 | 1433.8 | 1364.1 | 1271.3 | 1224.8 | 1192.0 |
| 150° | 1401.3 | 1409.9 | 1444.8 | 1479.6 | 1444.8 | 1409.9 | 1401.3 | 1342.4 | 1264.0 | 1224.8 | 1196.3 |
| 152.5° | 1375.5 | 1382.0 | 1408.3 | 1434.6 | 1408.3 | 1382.0 | 1375.5 | 1325.2 | 1258.3 | 1224.8 | 1199.1 |
| 155° | 1344.7 | 1349.1 | 1366.4 | 1383.8 | 1366.4 | 1349.1 | 1344.7 | 1304.7 | 1251.5 | 1224.8 | 1205.2 |
| 157.5° | 1318.0 | 1321.0 | 1333.3 | 1345.5 | 1333.3 | 1321.0 | 1318.0 | 1286.9 | 1245.5 | 1224.8 | 1211.3 |
| 160° | 1304.7 | 1306.5 | 1313.5 | 1320.5 | 1313.5 | 1306.5 | 1304.7 | 1278.1 | 1242.5 | 1224.8 | 1214.0 |
| 162.5° | 1292.2 | 1293.9 | 1300.5 | 1307.2 | 1300.5 | 1293.9 | 1292.2 | 1269.7 | 1239.7 | 1224.8 | 1217.0 |
| 165° | 1273.0 | 1274.8 | 1281.8 | 1288.9 | 1281.8 | 1274.8 | 1273.0 | 1256.9 | 1235.5 | 1224.8 | 1221.3 |
| 167.5° | 1264.7 | 1265.4 | 1268.5 | 1271.4 | 1268.5 | 1265.4 | 1264.7 | 1254.2 | 1240.1 | 1233.1 | 1230.2 |
| 170° | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1264.7 | 1254.2 | 1240.1 | 1233.1 | 1232.9 |
| 172.5° | 1258.1 | 1257.5 | 1254.9 | 1252.3 | 1254.9 | 1257.5 | 1258.1 | 1249.8 | 1238.7 | 1233.1 | 1233.1 |
| 175° | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1249.0 | 1243.7 | 1236.6 | 1233.1 | 1234.8 |
| 177.5° | 1247.3 | 1246.5 | 1243.6 | 1240.6 | 1243.6 | 1246.5 | 1247.3 | 1243.1 | 1237.6 | 1234.8 | 1236.1 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2839.1 | 2839.1 | 2839.1 | 2839.1 | 2839.1 |
| 2.5° | 2804.2 | 2817.6 | 2825.7 | 2836.4 | 2863.3 |
| 5° | 2696.8 | 2747.8 | 2763.9 | 2804.2 | 2852.6 |
| 7.5° | 2460.4 | 2616.2 | 2659.2 | 2755.9 | 2831.1 |
| 10° | 2232.0 | 2387.9 | 2463.1 | 2691.4 | 2804.2 |
| 12.5° | 2116.5 | 2207.8 | 2258.9 | 2578.6 | 2766.6 |
| 15° | 2044.0 | 2108.5 | 2146.1 | 2428.2 | 2723.6 |
| 17.5° | 1987.6 | 2033.3 | 2060.1 | 2280.4 | 2664.5 |
| 20° | 1952.7 | 1974.2 | 1998.3 | 2172.9 | 2597.4 |
| 22.5° | 1928.5 | 1915.1 | 1933.9 | 2097.7 | 2506.1 |
| 25° | 1912.4 | 1861.4 | 1882.8 | 2038.6 | 2398.6 |
| 27.5° | 1925.8 | 1813.0 | 1821.1 | 1984.9 | 2285.7 |
| 30° | 1928.5 | 1753.9 | 1756.6 | 1928.5 | 2159.5 |
| 32.5° | 1909.7 | 1692.1 | 1694.8 | 1858.7 | 2017.1 |
| 35° | 1864.0 | 1619.6 | 1616.9 | 1778.1 | 1823.8 |
| 37.5° | 1802.3 | 1541.7 | 1541.7 | 1689.5 | 1611.6 |
| 40° | 1727.1 | 1463.8 | 1471.9 | 1574.0 | 1423.5 |
| 42.5° | 1635.7 | 1380.6 | 1391.3 | 1420.9 | 1283.9 |
| 45° | 1536.4 | 1300.0 | 1308.1 | 1200.6 | 1176.4 |
| 47.5° | 1426.2 | 1216.7 | 1219.4 | 996.5 | 1141.5 |
| 50° | 1294.6 | 1130.8 | 1120.0 | 854.1 | 1138.8 |
| 52.5° | 1179.1 | 1036.8 | 1004.5 | 773.5 | 1034.1 |
| 55° | 1066.3 | 937.4 | 867.6 | 711.8 | 958.9 |
| 57.5° | 966.9 | 808.5 | 741.3 | 639.3 | 942.8 |
| 60° | 875.6 | 682.2 | 631.2 | 561.4 | 864.9 |
| 62.5° | 800.4 | 588.2 | 577.5 | 507.6 | 784.3 |
| 65° | 719.8 | 523.8 | 521.1 | 462.0 | 666.1 |
| 67.5° | 641.9 | 480.8 | 478.1 | 419.0 | 507.6 |
| 70° | 558.7 | 435.1 | 429.7 | 373.3 | 376.0 |
| 72.5° | 472.7 | 384.1 | 378.7 | 335.7 | 311.6 |
| 75° | 386.8 | 325.0 | 322.3 | 292.8 | 252.5 |
| 77.5° | 303.5 | 257.8 | 263.2 | 236.4 | 185.3 |
| 80° | 217.6 | 188.0 | 193.4 | 169.2 | 139.7 |
| 82.5° | 145.0 | 123.6 | 128.9 | 107.4 | 94.0 |
| 85° | 80.6 | 69.8 | 72.5 | 56.4 | 43.0 |
| 87.5° | 37.6 | 32.2 | 32.2 | 21.5 | 13.4 |
| 90° | 36.6 | 23.3 | 21.6 | 15.0 | 8.3 |
| 92.5° | 225.9 | 160.7 | 146.6 | 89.9 | 33.3 |
| 95° | 555.9 | 313.1 | 287.2 | 183.5 | 80.0 |
| 97.5° | 748.8 | 343.9 | 321.1 | 229.6 | 138.2 |
| 100° | 819.0 | 369.7 | 349.0 | 266.1 | 183.2 |
| 102.5° | 851.2 | 395.5 | 376.1 | 298.9 | 221.5 |
| 105° | 875.1 | 433.8 | 417.4 | 351.9 | 286.4 |
| 107.5° | 879.6 | 490.5 | 475.1 | 414.1 | 353.0 |
| 110° | 872.8 | 522.1 | 508.3 | 453.1 | 398.0 |



TEST NUMBER: P934754

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 873.2 | 560.4 | 547.2 | 494.7 | 442.1 |
| 115° | 881.2 | 617.8 | 605.7 | 557.2 | 508.7 |
| 117.5° | 897.6 | 673.5 | 662.5 | 618.6 | 574.5 |
| 120° | 910.9 | 706.0 | 695.7 | 654.3 | 612.8 |
| 122.5° | 930.1 | 744.4 | 733.9 | 692.1 | 650.3 |
| 125° | 955.8 | 793.5 | 784.0 | 745.9 | 707.7 |
| 127.5° | 981.7 | 841.0 | 831.4 | 792.9 | 754.4 |
| 130° | 1000.5 | 872.6 | 862.2 | 820.8 | 779.4 |
| 132.5° | 1015.7 | 898.4 | 888.0 | 846.6 | 805.2 |
| 135° | 1032.5 | 928.3 | 918.9 | 881.2 | 843.5 |
| 137.5° | 1057.5 | 966.7 | 957.4 | 919.9 | 882.6 |
| 140° | 1072.7 | 992.5 | 983.9 | 949.4 | 915.0 |
| 142.5° | 1085.5 | 1011.6 | 1003.6 | 971.9 | 940.0 |
| 145° | 1102.1 | 1040.8 | 1033.8 | 1006.1 | 978.3 |
| 147.5° | 1126.6 | 1077.4 | 1070.7 | 1043.7 | 1016.6 |
| 150° | 1139.3 | 1096.6 | 1090.5 | 1066.0 | 1041.6 |
| 152.5° | 1147.6 | 1109.0 | 1104.4 | 1085.9 | 1067.4 |
| 155° | 1166.0 | 1136.5 | 1133.1 | 1119.4 | 1105.7 |
| 157.5° | 1184.2 | 1164.0 | 1160.7 | 1147.3 | 1134.0 |
| 160° | 1192.6 | 1176.5 | 1173.9 | 1163.5 | 1153.2 |
| 162.5° | 1201.4 | 1189.8 | 1187.8 | 1180.1 | 1172.3 |
| 165° | 1214.2 | 1208.9 | 1207.1 | 1200.2 | 1193.2 |
| 167.5° | 1224.2 | 1219.8 | 1219.0 | 1215.6 | 1212.3 |
| 170° | 1232.6 | 1232.3 | 1231.5 | 1228.1 | 1224.8 |
| 172.5° | 1233.1 | 1233.1 | 1232.9 | 1232.1 | 1231.4 |
| 175° | 1238.1 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |
| 177.5° | 1238.7 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |
| 180° | 1240.6 | 1240.6 | 1240.6 | 1240.6 | 1240.6 |



TEST NUMBER: P934754
 CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-3500K

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 | 12.15 | 13.00 | 13.13 | 13.99 | 15.29 | 15.01 | 15.85 | 15.98 | 16.84 | 18.14 |
| | 3H | 12.63 | 13.38 | 13.62 | 14.38 | 15.71 | 16.36 | 17.11 | 17.34 | 18.11 | 19.43 |
| | 4H | 12.82 | 13.53 | 13.82 | 14.54 | 15.87 | 16.80 | 17.52 | 17.80 | 18.52 | 19.85 |
| | 6H | 12.94 | 13.59 | 13.95 | 14.60 | 15.95 | 17.09 | 17.75 | 18.10 | 18.76 | 20.10 |
| | 8H | 12.94 | 13.56 | 13.95 | 14.59 | 15.93 | 17.17 | 17.80 | 18.19 | 18.82 | 20.16 |
| | 12H | 12.91 | 13.50 | 13.93 | 14.52 | 15.89 | 17.21 | 17.81 | 18.23 | 18.82 | 20.19 |
| 4H | 2H | 13.19 | 13.90 | 14.19 | 14.90 | 16.24 | 15.41 | 16.12 | 16.42 | 17.13 | 18.46 |
| | 3H | 14.21 | 14.81 | 15.23 | 15.84 | 17.19 | 16.92 | 17.52 | 17.94 | 18.55 | 19.89 |
| | 4H | 14.49 | 15.03 | 15.51 | 16.06 | 17.43 | 17.45 | 18.00 | 18.48 | 19.02 | 20.39 |
| | 6H | 14.61 | 15.08 | 15.65 | 16.13 | 17.49 | 17.82 | 18.29 | 18.86 | 19.34 | 20.70 |
| | 8H | 14.62 | 15.06 | 15.65 | 16.10 | 17.48 | 17.93 | 18.37 | 18.97 | 19.41 | 20.79 |
| | 12H | 14.58 | 14.98 | 15.64 | 16.03 | 17.42 | 17.99 | 18.39 | 19.04 | 19.44 | 20.83 |
| 8H | 4H | 14.95 | 15.38 | 15.98 | 16.42 | 17.80 | 17.58 | 18.01 | 18.61 | 19.05 | 20.43 |
| | 6H | 15.21 | 15.57 | 16.26 | 16.65 | 18.03 | 18.02 | 18.38 | 19.08 | 19.46 | 20.84 |
| | 8H | 15.25 | 15.57 | 16.31 | 16.63 | 18.03 | 18.17 | 18.49 | 19.24 | 19.56 | 20.95 |
| | 12H | 15.23 | 15.51 | 16.30 | 16.57 | 18.01 | 18.27 | 18.55 | 19.34 | 19.61 | 21.05 |
| 12H | 4H | 14.95 | 15.35 | 16.00 | 16.40 | 17.79 | 17.54 | 17.93 | 18.59 | 18.99 | 20.37 |
| | 6H | 15.27 | 15.59 | 16.33 | 16.65 | 18.05 | 18.01 | 18.33 | 19.08 | 19.40 | 20.79 |
| | 8H | 15.33 | 15.61 | 16.40 | 16.67 | 18.11 | 18.18 | 18.46 | 19.25 | 19.52 | 20.96 |