

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: P935077

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935077
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

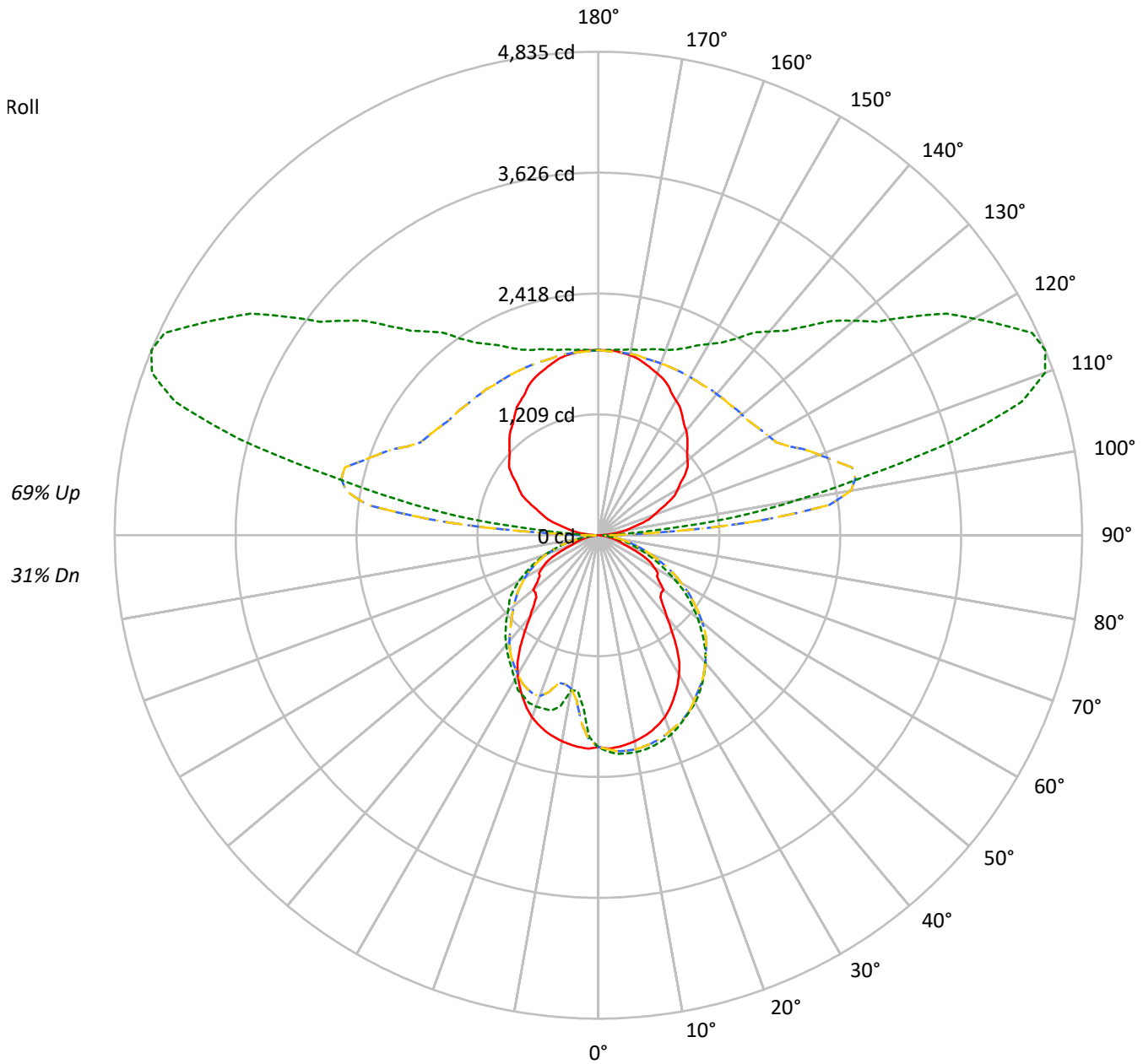
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17503.7 lumens
Efficiency: N/A
Efficacy: 141.6 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: Semi-Indirect

Input Watts (W): 123.6
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: P935077
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 39 | 39 | 39 | 31 |
| 1 | 94 | 89 | 86 | 82 | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 35 | 34 | 33 | 27 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 53 | 50 | 43 | 40 | 38 | 30 | 29 | 28 | 30 | 29 | 28 | 22 |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 | 27 | 25 | 24 | 19 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 24 | 22 | 20 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 46 | 40 | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 | 22 | 19 | 18 | 14 |
| 6 | 60 | 48 | 40 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 24 | 21 | 20 | 17 | 15 | 20 | 17 | 15 | 12 |
| 7 | 55 | 43 | 36 | 30 | 49 | 39 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 18 | 18 | 15 | 14 | 18 | 15 | 14 | 11 |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 16 | 14 | 12 | 10 |
| 9 | 47 | 36 | 28 | 23 | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 15 | 15 | 13 | 11 | 15 | 13 | 11 | 9 |
| 10 | 44 | 33 | 26 | 21 | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 6551 | 6551 | 6551 | 6551 |
| 5° | 6603 | 6614 | 6603 | 5200 |
| 10° | 6561 | 6515 | 6561 | 4658 |
| 15° | 6492 | 6374 | 6492 | 5322 |
| 20° | 6359 | 6206 | 6359 | 5333 |
| 25° | 6084 | 5962 | 6084 | 5220 |
| 30° | 5727 | 5760 | 5727 | 4972 |
| 35° | 5108 | 5504 | 5108 | 4699 |
| 40° | 4258 | 5202 | 4258 | 4493 |
| 45° | 3808 | 4849 | 3808 | 4256 |
| 50° | 4049 | 4428 | 4049 | 4019 |
| 55° | 3813 | 3975 | 3813 | 3881 |
| 60° | 3935 | 3376 | 3935 | 3555 |
| 65° | 3574 | 2791 | 3574 | 3119 |
| 70° | 2481 | 2224 | 2481 | 2615 |
| 75° | 2182 | 1644 | 2182 | 1969 |
| 80° | 1772 | 1087 | 1772 | 1184 |
| 85° | 1040 | 576 | 1040 | 489 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5832 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 191.2 | 1.1 |
| 10°-20° | 542.9 | 3.1 |
| 20°-30° | 839.2 | 4.8 |
| 30°-40° | 1001.8 | 5.7 |
| 40°-50° | 1007.7 | 5.8 |
| 50°-60° | 876.8 | 5.0 |
| 60°-70° | 621.7 | 3.6 |
| 70°-80° | 328.9 | 1.9 |
| 80°-90° | 89.0 | 0.5 |
| 90°-100° | 902.7 | 5.2 |
| 100°-110° | 2373.2 | 13.6 |
| 110°-120° | 2460.7 | 14.1 |
| 120°-130° | 1973.8 | 11.3 |
| 130°-140° | 1548.7 | 8.8 |
| 140°-150° | 1188.7 | 6.8 |
| 150°-160° | 856.1 | 4.9 |
| 160°-170° | 523.8 | 3.0 |
| 170°-180° | 177.0 | 1.0 |
| <hr/> | | |
| 0°-30° | 1573.2 | 9.0 |
| 0°-40° | 2575.0 | 14.7 |
| 0°-60° | 4459.5 | 25.5 |
| 0°-90° | 5499.0 | 31.4 |
| 90°-120° | 5736.6 | 32.8 |
| 90°-150° | 10447.9 | 59.7 |
| 90°-180° | 12005.0 | 68.6 |
| 0°-180° | 17503.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2118 | 2118 | 2118 | 2118 | 2118 | |
| 5° | 2128 | 2194 | 2128 | 1725 | 2128 | 202 |
| 15° | 2032 | 2174 | 2032 | 1816 | 2032 | 572 |
| 25° | 1790 | 2028 | 1790 | 1776 | 1790 | 822 |
| 35° | 1361 | 1810 | 1361 | 1545 | 1361 | 842 |
| 45° | 878 | 1491 | 878 | 1308 | 878 | 703 |
| 55° | 715 | 1100 | 715 | 1074 | 715 | 657 |
| 65° | 497 | 663 | 497 | 741 | 497 | 475 |
| 75° | 188 | 315 | 188 | 377 | 188 | 198 |
| 85° | 32 | 80 | 32 | 68 | 32 | 43 |
| 90° | 12 | 47 | 12 | 47 | 12 | 12 |
| 95° | 119 | 546 | 119 | 546 | 119 | 132 |
| 105° | 428 | 3716 | 428 | 3716 | 428 | 453 |
| 115° | 759 | 4785 | 759 | 4785 | 759 | 750 |
| 125° | 1056 | 3810 | 1056 | 3810 | 1056 | 938 |
| 135° | 1259 | 2957 | 1259 | 2957 | 1259 | 974 |
| 145° | 1460 | 2399 | 1460 | 2399 | 1460 | 915 |
| 155° | 1650 | 2066 | 1650 | 2066 | 1650 | 758 |
| 165° | 1781 | 1924 | 1781 | 1924 | 1781 | 503 |
| 175° | 1852 | 1864 | 1852 | 1864 | 1852 | 176 |
| 180° | 1852 | 1852 | 1852 | 1852 | 1852 | |



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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 |
| 2.5° | 2136.1 | 2136.1 | 2148.2 | 2152.2 | 2152.2 | 2146.2 | 2140.2 | 2146.2 | 2164.2 | 2170.2 | 2168.2 |
| 5° | 2128.2 | 2144.2 | 2166.2 | 2170.2 | 2174.3 | 2172.3 | 2168.2 | 2172.3 | 2192.3 | 2196.3 | 2198.3 |
| 7.5° | 2112.1 | 2142.2 | 2170.2 | 2176.3 | 2182.2 | 2176.3 | 2174.3 | 2178.3 | 2198.3 | 2202.3 | 2202.3 |
| 10° | 2092.1 | 2134.1 | 2166.2 | 2170.2 | 2176.3 | 2170.2 | 2170.2 | 2178.3 | 2198.3 | 2202.3 | 2204.3 |
| 12.5° | 2064.0 | 2122.2 | 2152.2 | 2156.2 | 2164.2 | 2162.2 | 2160.2 | 2168.2 | 2188.3 | 2192.3 | 2192.3 |
| 15° | 2031.9 | 2100.1 | 2128.2 | 2132.1 | 2146.2 | 2142.2 | 2142.2 | 2150.2 | 2172.3 | 2178.3 | 2176.3 |
| 17.5° | 1987.9 | 2072.1 | 2104.1 | 2110.1 | 2120.2 | 2118.1 | 2120.2 | 2128.2 | 2148.2 | 2152.2 | 2154.2 |
| 20° | 1937.8 | 2033.9 | 2072.1 | 2078.1 | 2088.1 | 2088.1 | 2088.1 | 2098.1 | 2118.1 | 2126.2 | 2126.2 |
| 22.5° | 1869.7 | 1993.9 | 2033.9 | 2038.0 | 2050.0 | 2050.0 | 2054.1 | 2068.0 | 2086.0 | 2088.1 | 2088.1 |
| 25° | 1789.5 | 1949.8 | 1983.8 | 1995.9 | 2007.9 | 2013.9 | 2020.0 | 2028.0 | 2033.9 | 2031.9 | 2033.9 |
| 27.5° | 1705.4 | 1893.7 | 1937.8 | 1945.8 | 1961.8 | 1967.8 | 1975.9 | 1977.9 | 1979.8 | 1985.8 | 1981.8 |
| 30° | 1611.1 | 1815.5 | 1881.6 | 1889.7 | 1915.7 | 1919.8 | 1911.7 | 1915.7 | 1925.8 | 1929.8 | 1933.7 |
| 32.5° | 1505.0 | 1699.3 | 1823.6 | 1841.6 | 1865.6 | 1853.7 | 1851.6 | 1857.6 | 1873.7 | 1873.7 | 1877.7 |
| 35° | 1360.6 | 1609.1 | 1769.5 | 1785.5 | 1803.6 | 1789.5 | 1797.5 | 1799.5 | 1809.5 | 1815.5 | 1813.5 |
| 37.5° | 1202.4 | 1531.0 | 1713.3 | 1725.4 | 1739.4 | 1721.4 | 1733.3 | 1739.4 | 1747.4 | 1743.4 | 1743.4 |
| 40° | 1062.0 | 1408.7 | 1647.2 | 1655.3 | 1667.2 | 1653.3 | 1665.2 | 1669.3 | 1673.3 | 1669.3 | 1667.2 |
| 42.5° | 957.9 | 1274.5 | 1577.1 | 1587.1 | 1579.1 | 1589.1 | 1593.1 | 1601.2 | 1595.1 | 1587.1 | 1587.1 |
| 45° | 877.7 | 1238.4 | 1501.0 | 1512.9 | 1501.0 | 1517.0 | 1523.0 | 1523.0 | 1505.0 | 1501.0 | 1498.9 |
| 47.5° | 851.7 | 1166.3 | 1424.8 | 1424.8 | 1418.8 | 1438.8 | 1448.8 | 1434.8 | 1416.8 | 1410.7 | 1410.7 |
| 50° | 849.7 | 1086.1 | 1320.6 | 1312.5 | 1340.6 | 1364.6 | 1354.7 | 1340.6 | 1326.6 | 1304.6 | 1304.6 |
| 52.5° | 771.5 | 987.9 | 1186.3 | 1216.4 | 1260.4 | 1274.5 | 1258.4 | 1244.4 | 1220.4 | 1210.3 | 1202.4 |
| 55° | 715.4 | 885.7 | 1064.0 | 1124.2 | 1170.3 | 1188.3 | 1158.2 | 1144.2 | 1108.1 | 1102.2 | 1098.2 |
| 57.5° | 703.4 | 737.4 | 951.9 | 1028.0 | 1084.1 | 1082.2 | 1064.0 | 1038.0 | 1008.0 | 1002.0 | 1000.0 |
| 60° | 645.3 | 533.1 | 831.7 | 921.8 | 979.9 | 973.9 | 957.9 | 933.8 | 905.8 | 901.8 | 897.8 |
| 62.5° | 585.2 | 386.7 | 695.3 | 797.6 | 879.7 | 877.7 | 863.7 | 827.6 | 807.6 | 797.6 | 789.5 |
| 65° | 497.0 | 324.6 | 495.0 | 663.3 | 781.6 | 785.5 | 755.5 | 729.5 | 707.4 | 695.3 | 693.3 |
| 67.5° | 378.8 | 264.5 | 334.7 | 553.1 | 687.3 | 683.4 | 645.3 | 633.3 | 605.2 | 599.2 | 587.1 |
| 70° | 280.6 | 176.4 | 232.5 | 448.9 | 595.2 | 585.2 | 555.1 | 541.0 | 515.0 | 501.0 | 492.9 |
| 72.5° | 232.5 | 142.2 | 170.3 | 348.7 | 501.0 | 488.9 | 462.9 | 446.9 | 424.8 | 412.8 | 404.8 |
| 75° | 188.3 | 150.3 | 130.3 | 258.5 | 406.8 | 398.8 | 374.7 | 358.7 | 340.6 | 324.6 | 326.6 |
| 77.5° | 138.2 | 140.2 | 104.2 | 190.3 | 322.6 | 310.7 | 296.6 | 276.6 | 268.5 | 252.5 | 252.5 |
| 80° | 104.2 | 110.3 | 78.2 | 130.3 | 232.5 | 232.5 | 220.4 | 206.4 | 192.3 | 184.4 | 184.4 |
| 82.5° | 70.1 | 70.1 | 58.1 | 82.2 | 158.3 | 152.3 | 144.3 | 140.2 | 132.3 | 128.3 | 128.3 |
| 85° | 32.1 | 40.0 | 36.1 | 50.1 | 86.2 | 90.1 | 90.1 | 86.2 | 84.2 | 80.2 | 82.2 |
| 87.5° | 10.1 | 18.0 | 22.0 | 28.1 | 44.1 | 46.1 | 48.1 | 48.1 | 48.1 | 50.1 | 50.1 |
| 90° | 12.4 | 22.4 | 32.3 | 34.8 | 54.7 | 81.2 | 94.4 | 84.0 | 62.9 | 47.2 | 47.2 |
| 92.5° | 49.7 | 134.2 | 218.7 | 239.8 | 337.2 | 467.0 | 532.0 | 466.2 | 334.8 | 236.2 | 226.8 |
| 95° | 119.3 | 274.0 | 428.7 | 467.3 | 829.8 | 1313.1 | 1554.8 | 1387.4 | 1052.7 | 801.6 | 773.1 |
| 97.5° | 206.3 | 342.7 | 479.2 | 513.3 | 1117.7 | 1923.6 | 2326.6 | 2220.8 | 2009.2 | 1850.6 | 1796.5 |
| 100° | 273.4 | 397.1 | 520.8 | 551.8 | 1222.5 | 2116.8 | 2564.0 | 2571.8 | 2587.2 | 2598.8 | 2534.3 |
| 102.5° | 330.6 | 446.0 | 561.4 | 590.3 | 1270.6 | 2177.7 | 2631.1 | 2765.9 | 3035.4 | 3237.6 | 3182.3 |
| 105° | 427.6 | 525.3 | 623.1 | 647.5 | 1306.3 | 2184.5 | 2623.7 | 2925.8 | 3530.1 | 3983.3 | 3953.6 |
| 107.5° | 527.0 | 618.1 | 709.3 | 732.1 | 1312.8 | 2087.2 | 2474.5 | 2896.0 | 3738.9 | 4371.0 | 4378.2 |
| 110° | 594.1 | 676.4 | 758.7 | 779.3 | 1302.9 | 2001.1 | 2350.2 | 2821.4 | 3763.7 | 4470.4 | 4501.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 659.9 | 738.4 | 816.8 | 836.4 | 1303.4 | 1925.9 | 2237.1 | 2719.4 | 3683.8 | 4407.1 | 4454.6 |
| 115° | 759.4 | 831.8 | 904.1 | 922.2 | 1315.3 | 1839.5 | 2101.7 | 2566.2 | 3495.3 | 4192.1 | 4257.9 |
| 117.5° | 857.6 | 923.3 | 989.0 | 1005.5 | 1339.8 | 1785.5 | 2008.4 | 2427.7 | 3266.2 | 3895.1 | 3968.1 |
| 120° | 914.7 | 976.6 | 1038.5 | 1054.0 | 1359.7 | 1767.4 | 1971.2 | 2354.2 | 3120.4 | 3695.0 | 3766.0 |
| 122.5° | 970.7 | 1033.2 | 1095.5 | 1111.1 | 1388.3 | 1757.8 | 1942.6 | 2287.5 | 2977.4 | 3494.9 | 3564.9 |
| 125° | 1056.5 | 1113.3 | 1170.2 | 1184.4 | 1426.8 | 1750.0 | 1911.5 | 2204.5 | 2790.6 | 3230.1 | 3294.6 |
| 127.5° | 1126.0 | 1183.4 | 1240.9 | 1255.3 | 1465.3 | 1745.4 | 1885.4 | 2137.0 | 2640.2 | 3017.6 | 3072.0 |
| 130° | 1163.3 | 1225.2 | 1287.0 | 1302.5 | 1493.5 | 1748.2 | 1875.5 | 2099.5 | 2547.5 | 2883.4 | 2933.7 |
| 132.5° | 1201.9 | 1263.7 | 1325.6 | 1341.0 | 1516.2 | 1749.9 | 1866.7 | 2067.2 | 2468.3 | 2769.1 | 2814.1 |
| 135° | 1259.0 | 1315.3 | 1371.7 | 1385.7 | 1541.1 | 1748.3 | 1851.9 | 2019.8 | 2355.5 | 2607.4 | 2646.3 |
| 137.5° | 1317.4 | 1373.2 | 1429.0 | 1442.9 | 1578.4 | 1759.0 | 1849.4 | 1991.3 | 2275.3 | 2488.2 | 2520.0 |
| 140° | 1365.9 | 1417.3 | 1468.6 | 1481.5 | 1601.2 | 1760.8 | 1840.6 | 1963.2 | 2208.5 | 2392.5 | 2422.2 |
| 142.5° | 1403.2 | 1450.7 | 1498.2 | 1510.0 | 1620.2 | 1767.1 | 1840.6 | 1948.4 | 2163.8 | 2325.4 | 2350.9 |
| 145° | 1460.3 | 1501.8 | 1543.2 | 1553.6 | 1645.1 | 1767.2 | 1828.3 | 1916.3 | 2092.5 | 2224.7 | 2244.0 |
| 147.5° | 1517.5 | 1557.8 | 1598.2 | 1608.2 | 1681.5 | 1779.4 | 1828.3 | 1897.6 | 2036.2 | 2140.2 | 2156.2 |
| 150° | 1554.8 | 1591.2 | 1627.7 | 1636.8 | 1700.7 | 1785.7 | 1828.3 | 1886.8 | 2003.9 | 2091.7 | 2104.6 |
| 152.5° | 1593.3 | 1620.9 | 1648.6 | 1655.5 | 1713.0 | 1789.8 | 1828.3 | 1878.3 | 1978.2 | 2053.2 | 2062.9 |
| 155° | 1650.5 | 1670.9 | 1691.4 | 1696.5 | 1740.4 | 1799.0 | 1828.3 | 1868.0 | 1947.5 | 2007.1 | 2013.6 |
| 157.5° | 1692.7 | 1712.6 | 1732.5 | 1737.5 | 1767.8 | 1808.1 | 1828.3 | 1859.1 | 1921.0 | 1967.4 | 1972.0 |
| 160° | 1721.3 | 1736.8 | 1752.3 | 1756.1 | 1780.2 | 1812.2 | 1828.3 | 1854.8 | 1907.7 | 1947.5 | 1950.1 |
| 162.5° | 1749.9 | 1761.4 | 1773.1 | 1776.0 | 1793.4 | 1816.6 | 1828.3 | 1850.6 | 1895.3 | 1928.9 | 1931.3 |
| 165° | 1780.9 | 1791.4 | 1802.0 | 1804.6 | 1812.4 | 1823.0 | 1828.3 | 1844.3 | 1876.3 | 1900.3 | 1902.9 |
| 167.5° | 1809.5 | 1814.5 | 1819.5 | 1820.8 | 1827.4 | 1836.2 | 1840.6 | 1851.2 | 1872.2 | 1887.9 | 1889.0 |
| 170° | 1828.3 | 1833.2 | 1838.2 | 1839.4 | 1839.8 | 1840.3 | 1840.6 | 1851.2 | 1872.2 | 1887.9 | 1887.9 |
| 172.5° | 1838.1 | 1839.2 | 1840.3 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1848.9 | 1865.5 | 1878.0 | 1877.0 |
| 175° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1848.1 | 1843.1 | 1840.6 | 1845.9 | 1856.3 | 1864.2 | 1864.2 |
| 177.5° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1849.0 | 1845.1 | 1843.1 | 1847.3 | 1855.5 | 1861.7 | 1860.6 |
| 180° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 |
| 2.5° | 2172.3 | 2166.2 | 2172.3 | 2168.2 | 2170.2 | 2164.2 | 2146.2 | 2140.2 | 2146.2 | 2152.2 | 2152.2 |
| 5° | 2198.3 | 2194.3 | 2198.3 | 2198.3 | 2196.3 | 2192.3 | 2172.3 | 2168.2 | 2172.3 | 2174.3 | 2170.2 |
| 7.5° | 2206.3 | 2200.3 | 2206.3 | 2202.3 | 2202.3 | 2198.3 | 2178.3 | 2174.3 | 2176.3 | 2182.2 | 2176.3 |
| 10° | 2206.3 | 2200.3 | 2206.3 | 2204.3 | 2202.3 | 2198.3 | 2178.3 | 2170.2 | 2170.2 | 2176.3 | 2170.2 |
| 12.5° | 2196.3 | 2192.3 | 2196.3 | 2192.3 | 2192.3 | 2188.3 | 2168.2 | 2160.2 | 2162.2 | 2164.2 | 2156.2 |
| 15° | 2180.2 | 2174.3 | 2180.2 | 2176.3 | 2178.3 | 2172.3 | 2150.2 | 2142.2 | 2142.2 | 2146.2 | 2132.1 |
| 17.5° | 2156.2 | 2148.2 | 2156.2 | 2154.2 | 2152.2 | 2148.2 | 2128.2 | 2120.2 | 2118.1 | 2120.2 | 2110.1 |
| 20° | 2128.2 | 2122.2 | 2128.2 | 2126.2 | 2126.2 | 2118.1 | 2098.1 | 2088.1 | 2088.1 | 2088.1 | 2078.1 |
| 22.5° | 2084.0 | 2078.1 | 2084.0 | 2088.1 | 2088.1 | 2086.0 | 2068.0 | 2054.1 | 2050.0 | 2050.0 | 2038.0 |
| 25° | 2033.9 | 2028.0 | 2033.9 | 2033.9 | 2031.9 | 2033.9 | 2028.0 | 2020.0 | 2013.9 | 2007.9 | 1995.9 |
| 27.5° | 1985.8 | 1981.8 | 1985.8 | 1981.8 | 1985.8 | 1979.8 | 1977.9 | 1975.9 | 1967.8 | 1961.8 | 1945.8 |
| 30° | 1937.8 | 1933.7 | 1937.8 | 1933.7 | 1929.8 | 1925.8 | 1915.7 | 1911.7 | 1919.8 | 1915.7 | 1889.7 |
| 32.5° | 1877.7 | 1873.7 | 1877.7 | 1877.7 | 1873.7 | 1873.7 | 1857.6 | 1851.6 | 1853.7 | 1865.6 | 1841.6 |
| 35° | 1815.5 | 1809.5 | 1815.5 | 1813.5 | 1815.5 | 1809.5 | 1799.5 | 1797.5 | 1789.5 | 1803.6 | 1785.5 |
| 37.5° | 1743.4 | 1737.4 | 1743.4 | 1743.4 | 1743.4 | 1747.4 | 1739.4 | 1733.3 | 1721.4 | 1739.4 | 1725.4 |
| 40° | 1669.3 | 1661.2 | 1669.3 | 1667.2 | 1669.3 | 1673.3 | 1669.3 | 1665.2 | 1653.3 | 1667.2 | 1655.3 |
| 42.5° | 1585.1 | 1583.0 | 1585.1 | 1587.1 | 1587.1 | 1595.1 | 1601.2 | 1593.1 | 1589.1 | 1579.1 | 1587.1 |
| 45° | 1494.9 | 1490.9 | 1494.9 | 1498.9 | 1501.0 | 1505.0 | 1523.0 | 1523.0 | 1517.0 | 1501.0 | 1512.9 |
| 47.5° | 1398.7 | 1388.7 | 1398.7 | 1410.7 | 1410.7 | 1416.8 | 1434.8 | 1448.8 | 1438.8 | 1418.8 | 1424.8 |
| 50° | 1296.5 | 1298.5 | 1296.5 | 1304.6 | 1304.6 | 1326.6 | 1340.6 | 1354.7 | 1364.6 | 1340.6 | 1312.5 |
| 52.5° | 1196.3 | 1194.3 | 1196.3 | 1202.4 | 1210.3 | 1220.4 | 1244.4 | 1258.4 | 1274.5 | 1260.4 | 1216.4 |
| 55° | 1096.1 | 1100.2 | 1096.1 | 1098.2 | 1102.2 | 1108.1 | 1144.2 | 1158.2 | 1188.3 | 1170.3 | 1124.2 |
| 57.5° | 995.9 | 989.9 | 995.9 | 1000.0 | 1002.0 | 1008.0 | 1038.0 | 1064.0 | 1082.2 | 1084.1 | 1028.0 |
| 60° | 879.7 | 871.7 | 879.7 | 897.8 | 901.8 | 905.8 | 933.8 | 957.9 | 973.9 | 979.9 | 921.8 |
| 62.5° | 777.5 | 763.5 | 777.5 | 789.5 | 797.6 | 807.6 | 827.6 | 863.7 | 877.7 | 879.7 | 797.6 |
| 65° | 669.3 | 663.3 | 669.3 | 693.3 | 695.3 | 707.4 | 729.5 | 755.5 | 785.5 | 781.6 | 663.3 |
| 67.5° | 571.1 | 571.1 | 571.1 | 587.1 | 599.2 | 605.2 | 633.3 | 645.3 | 683.4 | 687.3 | 553.1 |
| 70° | 481.0 | 479.0 | 481.0 | 492.9 | 501.0 | 515.0 | 541.0 | 555.1 | 585.2 | 595.2 | 448.9 |
| 72.5° | 394.8 | 392.7 | 394.8 | 404.8 | 412.8 | 424.8 | 446.9 | 462.9 | 488.9 | 501.0 | 348.7 |
| 75° | 318.6 | 314.6 | 318.6 | 326.6 | 324.6 | 340.6 | 358.7 | 374.7 | 398.8 | 406.8 | 258.5 |
| 77.5° | 244.5 | 244.5 | 244.5 | 252.5 | 252.5 | 268.5 | 276.6 | 296.6 | 310.7 | 322.6 | 190.3 |
| 80° | 182.4 | 180.4 | 182.4 | 184.4 | 184.4 | 192.3 | 206.4 | 220.4 | 232.5 | 232.5 | 130.3 |
| 82.5° | 128.3 | 124.2 | 128.3 | 128.3 | 128.3 | 132.3 | 140.2 | 144.3 | 152.3 | 158.3 | 82.2 |
| 85° | 80.2 | 80.2 | 80.2 | 82.2 | 80.2 | 84.2 | 86.2 | 90.1 | 90.1 | 86.2 | 50.1 |
| 87.5° | 52.1 | 50.1 | 52.1 | 50.1 | 50.1 | 48.1 | 48.1 | 48.1 | 46.1 | 44.1 | 28.1 |
| 90° | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 62.9 | 84.0 | 94.4 | 81.2 | 54.7 | 34.8 |
| 92.5° | 189.1 | 151.6 | 189.1 | 226.8 | 236.2 | 334.8 | 466.2 | 532.0 | 467.0 | 337.2 | 239.8 |
| 95° | 659.4 | 545.6 | 659.4 | 773.1 | 801.6 | 1052.7 | 1387.4 | 1554.8 | 1313.1 | 829.8 | 467.3 |
| 97.5° | 1580.0 | 1363.4 | 1580.0 | 1796.5 | 1850.6 | 2009.2 | 2220.8 | 2326.6 | 1923.6 | 1117.7 | 513.3 |
| 100° | 2276.4 | 2018.4 | 2276.4 | 2534.3 | 2598.8 | 2587.2 | 2571.8 | 2564.0 | 2116.8 | 1222.5 | 551.8 |
| 102.5° | 2961.4 | 2740.5 | 2961.4 | 3182.3 | 3237.6 | 3035.4 | 2765.9 | 2631.1 | 2177.7 | 1270.6 | 590.3 |
| 105° | 3834.8 | 3716.1 | 3834.8 | 3953.6 | 3983.3 | 3530.1 | 2925.8 | 2623.7 | 2184.5 | 1306.3 | 647.5 |
| 107.5° | 4407.0 | 4435.7 | 4407.0 | 4378.2 | 4371.0 | 3738.9 | 2896.0 | 2474.5 | 2087.2 | 1312.8 | 732.1 |
| 110° | 4625.1 | 4748.9 | 4625.1 | 4501.4 | 4470.4 | 3763.7 | 2821.4 | 2350.2 | 2001.1 | 1302.9 | 779.3 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4644.6 | 4834.7 | 4644.6 | 4454.6 | 4407.1 | 3683.8 | 2719.4 | 2237.1 | 1925.9 | 1303.4 | 836.4 |
| 115° | 4521.4 | 4784.9 | 4521.4 | 4257.9 | 4192.1 | 3495.3 | 2566.2 | 2101.7 | 1839.5 | 1315.3 | 922.2 |
| 117.5° | 4260.3 | 4552.5 | 4260.3 | 3968.1 | 3895.1 | 3266.2 | 2427.7 | 2008.4 | 1785.5 | 1339.8 | 1005.5 |
| 120° | 4049.8 | 4333.8 | 4049.8 | 3766.0 | 3695.0 | 3120.4 | 2354.2 | 1971.2 | 1767.4 | 1359.7 | 1054.0 |
| 122.5° | 3844.9 | 4124.9 | 3844.9 | 3564.9 | 3494.9 | 2977.4 | 2287.5 | 1942.6 | 1757.8 | 1388.3 | 1111.1 |
| 125° | 3552.5 | 3810.5 | 3552.5 | 3294.6 | 3230.1 | 2790.6 | 2204.5 | 1911.5 | 1750.0 | 1426.8 | 1184.4 |
| 127.5° | 3289.7 | 3507.3 | 3289.7 | 3072.0 | 3017.6 | 2640.2 | 2137.0 | 1885.4 | 1745.4 | 1465.3 | 1255.3 |
| 130° | 3134.7 | 3335.8 | 3134.7 | 2933.7 | 2883.4 | 2547.5 | 2099.5 | 1875.5 | 1748.2 | 1493.5 | 1302.5 |
| 132.5° | 2994.2 | 3174.3 | 2994.2 | 2814.1 | 2769.1 | 2468.3 | 2067.2 | 1866.7 | 1749.9 | 1516.2 | 1341.0 |
| 135° | 2801.4 | 2956.7 | 2801.4 | 2646.3 | 2607.4 | 2355.5 | 2019.8 | 1851.9 | 1748.3 | 1541.1 | 1385.7 |
| 137.5° | 2647.0 | 2774.1 | 2647.0 | 2520.0 | 2488.2 | 2275.3 | 1991.3 | 1849.4 | 1759.0 | 1578.4 | 1442.9 |
| 140° | 2541.0 | 2659.7 | 2541.0 | 2422.2 | 2392.5 | 2208.5 | 1963.2 | 1840.6 | 1760.8 | 1601.2 | 1481.5 |
| 142.5° | 2453.0 | 2555.2 | 2453.0 | 2350.9 | 2325.4 | 2163.8 | 1948.4 | 1840.6 | 1767.1 | 1620.2 | 1510.0 |
| 145° | 2321.4 | 2398.7 | 2321.4 | 2244.0 | 2224.7 | 2092.5 | 1916.3 | 1828.3 | 1767.2 | 1645.1 | 1553.6 |
| 147.5° | 2220.3 | 2284.3 | 2220.3 | 2156.2 | 2140.2 | 2036.2 | 1897.6 | 1828.3 | 1779.4 | 1681.5 | 1608.2 |
| 150° | 2156.6 | 2208.5 | 2156.6 | 2104.6 | 2091.7 | 2003.9 | 1886.8 | 1828.3 | 1785.7 | 1700.7 | 1636.8 |
| 152.5° | 2102.2 | 2141.4 | 2102.2 | 2062.9 | 2053.2 | 1978.2 | 1878.3 | 1828.3 | 1789.8 | 1713.0 | 1655.5 |
| 155° | 2039.6 | 2065.6 | 2039.6 | 2013.6 | 2007.1 | 1947.5 | 1868.0 | 1828.3 | 1799.0 | 1740.4 | 1696.5 |
| 157.5° | 1990.2 | 2008.4 | 1990.2 | 1972.0 | 1967.4 | 1921.0 | 1859.1 | 1828.3 | 1808.1 | 1767.8 | 1737.5 |
| 160° | 1960.6 | 1971.2 | 1960.6 | 1950.1 | 1947.5 | 1907.7 | 1854.8 | 1828.3 | 1812.2 | 1780.2 | 1756.1 |
| 162.5° | 1941.3 | 1951.3 | 1941.3 | 1931.3 | 1928.9 | 1895.3 | 1850.6 | 1828.3 | 1816.6 | 1793.4 | 1776.0 |
| 165° | 1913.4 | 1923.9 | 1913.4 | 1902.9 | 1900.3 | 1876.3 | 1844.3 | 1828.3 | 1823.0 | 1812.4 | 1804.6 |
| 167.5° | 1893.4 | 1897.8 | 1893.4 | 1889.0 | 1887.9 | 1872.2 | 1851.2 | 1840.6 | 1836.2 | 1827.4 | 1820.8 |
| 170° | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1872.2 | 1851.2 | 1840.6 | 1840.3 | 1839.8 | 1839.4 |
| 172.5° | 1873.1 | 1869.2 | 1873.1 | 1877.0 | 1878.0 | 1865.5 | 1848.9 | 1840.6 | 1840.6 | 1840.6 | 1840.6 |
| 175° | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1856.3 | 1845.9 | 1840.6 | 1843.1 | 1848.1 | 1851.9 |
| 177.5° | 1856.2 | 1851.9 | 1856.2 | 1860.6 | 1861.7 | 1855.5 | 1847.3 | 1843.1 | 1845.1 | 1849.0 | 1851.9 |
| 180° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 |
| 2.5° | 2148.2 | 2136.1 | 2136.1 | 2116.1 | 2108.1 | 2102.1 | 2092.1 | 2062.0 | 2054.1 | 2046.0 | 2058.0 |
| 5° | 2166.2 | 2144.2 | 2128.2 | 2092.1 | 2062.0 | 2050.0 | 2011.9 | 1939.8 | 1891.7 | 1855.6 | 1835.6 |
| 7.5° | 2170.2 | 2142.2 | 2112.1 | 2056.0 | 1983.8 | 1951.8 | 1835.6 | 1703.4 | 1667.2 | 1635.2 | 1615.1 |
| 10° | 2166.2 | 2134.1 | 2092.1 | 2007.9 | 1837.6 | 1781.4 | 1665.2 | 1579.1 | 1557.0 | 1551.1 | 1557.0 |
| 12.5° | 2152.2 | 2122.2 | 2064.0 | 1923.8 | 1685.3 | 1647.2 | 1579.1 | 1529.0 | 1525.0 | 1535.0 | 1589.1 |
| 15° | 2128.2 | 2100.1 | 2031.9 | 1811.5 | 1601.2 | 1573.1 | 1525.0 | 1506.9 | 1529.0 | 1599.1 | 1761.4 |
| 17.5° | 2104.1 | 2072.1 | 1987.9 | 1701.4 | 1537.0 | 1517.0 | 1482.8 | 1519.0 | 1643.2 | 1737.4 | 1791.5 |
| 20° | 2072.1 | 2033.9 | 1937.8 | 1621.2 | 1490.9 | 1472.9 | 1456.8 | 1619.2 | 1713.3 | 1747.4 | 1777.5 |
| 22.5° | 2033.9 | 1993.9 | 1869.7 | 1565.0 | 1442.8 | 1428.8 | 1438.8 | 1675.3 | 1713.3 | 1737.4 | 1763.4 |
| 25° | 1983.8 | 1949.8 | 1789.5 | 1521.0 | 1404.8 | 1388.7 | 1426.8 | 1669.3 | 1691.3 | 1697.3 | 1749.4 |
| 27.5° | 1937.8 | 1893.7 | 1705.4 | 1480.9 | 1358.6 | 1352.7 | 1436.8 | 1643.2 | 1659.2 | 1665.2 | 1721.4 |
| 30° | 1881.6 | 1815.5 | 1611.1 | 1438.8 | 1310.5 | 1308.5 | 1438.8 | 1611.1 | 1607.1 | 1623.2 | 1679.3 |
| 32.5° | 1823.6 | 1699.3 | 1505.0 | 1386.7 | 1264.4 | 1262.4 | 1424.8 | 1563.0 | 1559.0 | 1581.1 | 1623.2 |
| 35° | 1769.5 | 1609.1 | 1360.6 | 1326.6 | 1206.4 | 1208.3 | 1390.7 | 1506.9 | 1508.9 | 1529.0 | 1555.1 |
| 37.5° | 1713.3 | 1531.0 | 1202.4 | 1260.4 | 1150.3 | 1150.3 | 1344.6 | 1454.9 | 1450.9 | 1456.8 | 1492.9 |
| 40° | 1647.2 | 1408.7 | 1062.0 | 1174.3 | 1098.2 | 1092.1 | 1288.5 | 1398.7 | 1384.7 | 1382.7 | 1432.7 |
| 42.5° | 1577.1 | 1274.5 | 957.9 | 1060.0 | 1038.0 | 1030.0 | 1220.4 | 1330.6 | 1304.6 | 1310.5 | 1374.7 |
| 45° | 1501.0 | 1238.4 | 877.7 | 895.7 | 975.9 | 969.9 | 1146.2 | 1252.5 | 1234.4 | 1250.5 | 1316.6 |
| 47.5° | 1424.8 | 1166.3 | 851.7 | 743.4 | 909.7 | 907.8 | 1064.0 | 1176.3 | 1166.3 | 1182.4 | 1252.5 |
| 50° | 1320.6 | 1086.1 | 849.7 | 637.2 | 835.6 | 843.6 | 965.9 | 1102.2 | 1102.2 | 1116.2 | 1190.3 |
| 52.5° | 1186.3 | 987.9 | 771.5 | 577.1 | 749.5 | 773.5 | 879.7 | 1038.0 | 1042.0 | 1056.1 | 1122.2 |
| 55° | 1064.0 | 885.7 | 715.4 | 531.1 | 647.3 | 699.4 | 795.5 | 971.9 | 979.9 | 993.9 | 1054.1 |
| 57.5° | 951.9 | 737.4 | 703.4 | 476.9 | 553.1 | 603.2 | 721.4 | 907.8 | 911.7 | 923.8 | 982.0 |
| 60° | 831.7 | 533.1 | 645.3 | 418.8 | 470.9 | 509.0 | 653.3 | 831.7 | 845.6 | 853.7 | 903.8 |
| 62.5° | 695.3 | 386.7 | 585.2 | 378.8 | 430.9 | 438.8 | 597.2 | 759.4 | 777.5 | 783.6 | 813.6 |
| 65° | 495.0 | 324.6 | 497.0 | 344.7 | 388.7 | 390.7 | 537.0 | 685.3 | 701.4 | 711.3 | 733.5 |
| 67.5° | 334.7 | 264.5 | 378.8 | 312.6 | 356.7 | 358.7 | 479.0 | 599.2 | 621.2 | 629.3 | 643.2 |
| 70° | 232.5 | 176.4 | 280.6 | 278.6 | 320.6 | 324.6 | 416.8 | 521.0 | 541.0 | 547.1 | 555.1 |
| 72.5° | 170.3 | 142.2 | 232.5 | 250.5 | 282.6 | 286.5 | 352.7 | 432.9 | 452.9 | 458.9 | 462.9 |
| 75° | 130.3 | 150.3 | 188.3 | 218.4 | 240.4 | 242.4 | 288.5 | 352.7 | 366.7 | 370.7 | 372.7 |
| 77.5° | 104.2 | 140.2 | 138.2 | 176.4 | 196.4 | 192.3 | 226.5 | 272.5 | 284.6 | 284.6 | 284.6 |
| 80° | 78.2 | 110.3 | 104.2 | 126.3 | 144.3 | 140.2 | 162.3 | 194.4 | 198.4 | 202.4 | 200.4 |
| 82.5° | 58.1 | 70.1 | 70.1 | 80.2 | 96.2 | 92.2 | 108.2 | 126.3 | 126.3 | 126.3 | 130.3 |
| 85° | 36.1 | 40.0 | 32.1 | 42.1 | 54.1 | 52.1 | 60.2 | 68.1 | 70.1 | 70.1 | 66.1 |
| 87.5° | 22.0 | 18.0 | 10.1 | 16.0 | 24.0 | 24.0 | 28.1 | 30.1 | 28.1 | 28.1 | 28.1 |
| 90° | 32.3 | 22.4 | 12.4 | 22.4 | 32.3 | 34.8 | 54.7 | 81.2 | 94.4 | 84.0 | 62.9 |
| 92.5° | 218.7 | 134.2 | 49.7 | 134.2 | 218.7 | 239.8 | 337.2 | 467.0 | 532.0 | 466.2 | 334.8 |
| 95° | 428.7 | 274.0 | 119.3 | 274.0 | 428.7 | 467.3 | 829.8 | 1313.1 | 1554.8 | 1387.4 | 1052.7 |
| 97.5° | 479.2 | 342.7 | 206.3 | 342.7 | 479.2 | 513.3 | 1117.7 | 1923.6 | 2326.6 | 2220.8 | 2009.2 |
| 100° | 520.8 | 397.1 | 273.4 | 397.1 | 520.8 | 551.8 | 1222.5 | 2116.8 | 2564.0 | 2571.8 | 2587.2 |
| 102.5° | 561.4 | 446.0 | 330.6 | 446.0 | 561.4 | 590.3 | 1270.6 | 2177.7 | 2631.1 | 2765.9 | 3035.4 |
| 105° | 623.1 | 525.3 | 427.6 | 525.3 | 623.1 | 647.5 | 1306.3 | 2184.5 | 2623.7 | 2925.8 | 3530.1 |
| 107.5° | 709.3 | 618.1 | 527.0 | 618.1 | 709.3 | 732.1 | 1312.8 | 2087.2 | 2474.5 | 2896.0 | 3738.9 |
| 110° | 758.7 | 676.4 | 594.1 | 676.4 | 758.7 | 779.3 | 1302.9 | 2001.1 | 2350.2 | 2821.4 | 3763.7 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 816.8 | 738.4 | 659.9 | 738.4 | 816.8 | 836.4 | 1303.4 | 1925.9 | 2237.1 | 2719.4 | 3683.8 |
| 115° | 904.1 | 831.8 | 759.4 | 831.8 | 904.1 | 922.2 | 1315.3 | 1839.5 | 2101.7 | 2566.2 | 3495.3 |
| 117.5° | 989.0 | 923.3 | 857.6 | 923.3 | 989.0 | 1005.5 | 1339.8 | 1785.5 | 2008.4 | 2427.7 | 3266.2 |
| 120° | 1038.5 | 976.6 | 914.7 | 976.6 | 1038.5 | 1054.0 | 1359.7 | 1767.4 | 1971.2 | 2354.2 | 3120.4 |
| 122.5° | 1095.5 | 1033.2 | 970.7 | 1033.2 | 1095.5 | 1111.1 | 1388.3 | 1757.8 | 1942.6 | 2287.5 | 2977.4 |
| 125° | 1170.2 | 1113.3 | 1056.5 | 1113.3 | 1170.2 | 1184.4 | 1426.8 | 1750.0 | 1911.5 | 2204.5 | 2790.6 |
| 127.5° | 1240.9 | 1183.4 | 1126.0 | 1183.4 | 1240.9 | 1255.3 | 1465.3 | 1745.4 | 1885.4 | 2137.0 | 2640.2 |
| 130° | 1287.0 | 1225.2 | 1163.3 | 1225.2 | 1287.0 | 1302.5 | 1493.5 | 1748.2 | 1875.5 | 2099.5 | 2547.5 |
| 132.5° | 1325.6 | 1263.7 | 1201.9 | 1263.7 | 1325.6 | 1341.0 | 1516.2 | 1749.9 | 1866.7 | 2067.2 | 2468.3 |
| 135° | 1371.7 | 1315.3 | 1259.0 | 1315.3 | 1371.7 | 1385.7 | 1541.1 | 1748.3 | 1851.9 | 2019.8 | 2355.5 |
| 137.5° | 1429.0 | 1373.2 | 1317.4 | 1373.2 | 1429.0 | 1442.9 | 1578.4 | 1759.0 | 1849.4 | 1991.3 | 2275.3 |
| 140° | 1468.6 | 1417.3 | 1365.9 | 1417.3 | 1468.6 | 1481.5 | 1601.2 | 1760.8 | 1840.6 | 1963.2 | 2208.5 |
| 142.5° | 1498.2 | 1450.7 | 1403.2 | 1450.7 | 1498.2 | 1510.0 | 1620.2 | 1767.1 | 1840.6 | 1948.4 | 2163.8 |
| 145° | 1543.2 | 1501.8 | 1460.3 | 1501.8 | 1543.2 | 1553.6 | 1645.1 | 1767.2 | 1828.3 | 1916.3 | 2092.5 |
| 147.5° | 1598.2 | 1557.8 | 1517.5 | 1557.8 | 1598.2 | 1608.2 | 1681.5 | 1779.4 | 1828.3 | 1897.6 | 2036.2 |
| 150° | 1627.7 | 1591.2 | 1554.8 | 1591.2 | 1627.7 | 1636.8 | 1700.7 | 1785.7 | 1828.3 | 1886.8 | 2003.9 |
| 152.5° | 1648.6 | 1620.9 | 1593.3 | 1620.9 | 1648.6 | 1655.5 | 1713.0 | 1789.8 | 1828.3 | 1878.3 | 1978.2 |
| 155° | 1691.4 | 1670.9 | 1650.5 | 1670.9 | 1691.4 | 1696.5 | 1740.4 | 1799.0 | 1828.3 | 1868.0 | 1947.5 |
| 157.5° | 1732.5 | 1712.6 | 1692.7 | 1712.6 | 1732.5 | 1737.5 | 1767.8 | 1808.1 | 1828.3 | 1859.1 | 1921.0 |
| 160° | 1752.3 | 1736.8 | 1721.3 | 1736.8 | 1752.3 | 1756.1 | 1780.2 | 1812.2 | 1828.3 | 1854.8 | 1907.7 |
| 162.5° | 1773.1 | 1761.4 | 1749.9 | 1761.4 | 1773.1 | 1776.0 | 1793.4 | 1816.6 | 1828.3 | 1850.6 | 1895.3 |
| 165° | 1802.0 | 1791.4 | 1780.9 | 1791.4 | 1802.0 | 1804.6 | 1812.4 | 1823.0 | 1828.3 | 1844.3 | 1876.3 |
| 167.5° | 1819.5 | 1814.5 | 1809.5 | 1814.5 | 1819.5 | 1820.8 | 1827.4 | 1836.2 | 1840.6 | 1851.2 | 1872.2 |
| 170° | 1838.2 | 1833.2 | 1828.3 | 1833.2 | 1838.2 | 1839.4 | 1839.8 | 1840.3 | 1840.6 | 1851.2 | 1872.2 |
| 172.5° | 1840.3 | 1839.2 | 1838.1 | 1839.2 | 1840.3 | 1840.6 | 1840.6 | 1840.6 | 1840.6 | 1848.9 | 1865.5 |
| 175° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1848.1 | 1843.1 | 1840.6 | 1845.9 | 1856.3 |
| 177.5° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1849.0 | 1845.1 | 1843.1 | 1847.3 | 1855.5 |
| 180° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 |
| 2.5° | 2044.0 | 2038.0 | 2046.0 | 2024.0 | 2046.0 | 2038.0 | 2044.0 | 2058.0 | 2046.0 | 2054.1 | 2062.0 |
| 5° | 1793.5 | 1783.4 | 1751.5 | 1725.4 | 1751.5 | 1783.4 | 1793.5 | 1835.6 | 1855.6 | 1891.7 | 1939.8 |
| 7.5° | 1603.2 | 1595.1 | 1587.1 | 1571.1 | 1587.1 | 1595.1 | 1603.2 | 1615.1 | 1635.2 | 1667.2 | 1703.4 |
| 10° | 1561.0 | 1563.0 | 1575.1 | 1573.1 | 1575.1 | 1563.0 | 1561.0 | 1557.0 | 1551.1 | 1557.0 | 1579.1 |
| 12.5° | 1669.3 | 1687.3 | 1753.5 | 1749.4 | 1753.5 | 1687.3 | 1669.3 | 1589.1 | 1535.0 | 1525.0 | 1529.0 |
| 15° | 1793.5 | 1799.5 | 1813.5 | 1815.5 | 1813.5 | 1799.5 | 1793.5 | 1761.4 | 1599.1 | 1529.0 | 1506.9 |
| 17.5° | 1805.5 | 1807.5 | 1817.5 | 1817.5 | 1817.5 | 1807.5 | 1805.5 | 1791.5 | 1737.4 | 1643.2 | 1519.0 |
| 20° | 1795.5 | 1799.5 | 1819.6 | 1823.6 | 1819.6 | 1799.5 | 1795.5 | 1777.5 | 1747.4 | 1713.3 | 1619.2 |
| 22.5° | 1791.5 | 1799.5 | 1815.5 | 1813.5 | 1815.5 | 1799.5 | 1791.5 | 1763.4 | 1737.4 | 1713.3 | 1675.3 |
| 25° | 1771.5 | 1771.5 | 1773.5 | 1775.5 | 1773.5 | 1771.5 | 1771.5 | 1749.4 | 1697.3 | 1691.3 | 1669.3 |
| 27.5° | 1729.4 | 1733.3 | 1745.4 | 1743.4 | 1745.4 | 1733.3 | 1729.4 | 1721.4 | 1665.2 | 1659.2 | 1643.2 |
| 30° | 1691.3 | 1687.3 | 1677.3 | 1669.3 | 1677.3 | 1687.3 | 1691.3 | 1679.3 | 1623.2 | 1607.1 | 1611.1 |
| 32.5° | 1627.2 | 1617.1 | 1607.1 | 1601.2 | 1607.1 | 1617.1 | 1627.2 | 1623.2 | 1581.1 | 1559.0 | 1563.0 |
| 35° | 1551.1 | 1553.1 | 1551.1 | 1545.0 | 1551.1 | 1553.1 | 1551.1 | 1555.1 | 1529.0 | 1508.9 | 1506.9 |
| 37.5° | 1496.9 | 1501.0 | 1498.9 | 1490.9 | 1498.9 | 1501.0 | 1496.9 | 1492.9 | 1456.8 | 1450.9 | 1454.9 |
| 40° | 1440.8 | 1442.8 | 1440.8 | 1434.8 | 1440.8 | 1442.8 | 1440.8 | 1432.7 | 1382.7 | 1384.7 | 1398.7 |
| 42.5° | 1386.7 | 1384.7 | 1378.7 | 1374.7 | 1378.7 | 1384.7 | 1386.7 | 1374.7 | 1310.5 | 1304.6 | 1330.6 |
| 45° | 1324.6 | 1326.6 | 1314.5 | 1308.5 | 1314.5 | 1326.6 | 1324.6 | 1316.6 | 1250.5 | 1234.4 | 1252.5 |
| 47.5° | 1262.4 | 1262.4 | 1252.5 | 1246.4 | 1252.5 | 1262.4 | 1262.4 | 1252.5 | 1182.4 | 1166.3 | 1176.3 |
| 50° | 1196.3 | 1194.3 | 1180.3 | 1178.3 | 1180.3 | 1194.3 | 1196.3 | 1190.3 | 1116.2 | 1102.2 | 1102.2 |
| 52.5° | 1120.2 | 1120.2 | 1122.2 | 1126.2 | 1122.2 | 1120.2 | 1120.2 | 1122.2 | 1056.1 | 1042.0 | 1038.0 |
| 55° | 1054.1 | 1056.1 | 1070.1 | 1074.1 | 1070.1 | 1056.1 | 1054.1 | 1054.1 | 993.9 | 979.9 | 971.9 |
| 57.5° | 985.9 | 985.9 | 995.9 | 995.9 | 995.9 | 985.9 | 985.9 | 982.0 | 923.8 | 911.7 | 907.8 |
| 60° | 907.8 | 911.7 | 919.8 | 917.8 | 919.8 | 911.7 | 907.8 | 903.8 | 853.7 | 845.6 | 831.7 |
| 62.5° | 825.6 | 829.7 | 831.7 | 827.6 | 831.7 | 829.7 | 825.6 | 813.6 | 783.6 | 777.5 | 759.4 |
| 65° | 739.4 | 743.4 | 745.4 | 741.4 | 745.4 | 743.4 | 739.4 | 733.5 | 711.3 | 701.4 | 685.3 |
| 67.5° | 651.3 | 649.3 | 647.3 | 655.3 | 647.3 | 649.3 | 651.3 | 643.2 | 629.3 | 621.2 | 599.2 |
| 70° | 561.0 | 561.0 | 559.1 | 563.1 | 559.1 | 561.0 | 561.0 | 555.1 | 547.1 | 541.0 | 521.0 |
| 72.5° | 464.9 | 462.9 | 470.9 | 464.9 | 470.9 | 462.9 | 464.9 | 462.9 | 458.9 | 452.9 | 432.9 |
| 75° | 370.7 | 374.7 | 370.7 | 376.7 | 370.7 | 374.7 | 370.7 | 372.7 | 370.7 | 366.7 | 352.7 |
| 77.5° | 282.6 | 286.5 | 282.6 | 282.6 | 282.6 | 286.5 | 282.6 | 284.6 | 284.6 | 284.6 | 272.5 |
| 80° | 200.4 | 198.4 | 198.4 | 196.4 | 198.4 | 198.4 | 200.4 | 200.4 | 202.4 | 198.4 | 194.4 |
| 82.5° | 128.3 | 126.3 | 126.3 | 130.3 | 126.3 | 126.3 | 128.3 | 130.3 | 126.3 | 126.3 | 126.3 |
| 85° | 70.1 | 72.1 | 68.1 | 68.1 | 68.1 | 72.1 | 70.1 | 66.1 | 70.1 | 70.1 | 68.1 |
| 87.5° | 26.1 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 26.1 | 28.1 | 28.1 | 28.1 | 30.1 |
| 90° | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 62.9 | 84.0 | 94.4 | 81.2 |
| 92.5° | 236.2 | 226.8 | 189.1 | 151.6 | 189.1 | 226.8 | 236.2 | 334.8 | 466.2 | 532.0 | 467.0 |
| 95° | 801.6 | 773.1 | 659.4 | 545.6 | 659.4 | 773.1 | 801.6 | 1052.7 | 1387.4 | 1554.8 | 1313.1 |
| 97.5° | 1850.6 | 1796.5 | 1580.0 | 1363.4 | 1580.0 | 1796.5 | 1850.6 | 2009.2 | 2220.8 | 2326.6 | 1923.6 |
| 100° | 2598.8 | 2534.3 | 2276.4 | 2018.4 | 2276.4 | 2534.3 | 2598.8 | 2587.2 | 2571.8 | 2564.0 | 2116.8 |
| 102.5° | 3237.6 | 3182.3 | 2961.4 | 2740.5 | 2961.4 | 3182.3 | 3237.6 | 3035.4 | 2765.9 | 2631.1 | 2177.7 |
| 105° | 3983.3 | 3953.6 | 3834.8 | 3716.1 | 3834.8 | 3953.6 | 3983.3 | 3530.1 | 2925.8 | 2623.7 | 2184.5 |
| 107.5° | 4371.0 | 4378.2 | 4407.0 | 4435.7 | 4407.0 | 4378.2 | 4371.0 | 3738.9 | 2896.0 | 2474.5 | 2087.2 |
| 110° | 4470.4 | 4501.4 | 4625.1 | 4748.9 | 4625.1 | 4501.4 | 4470.4 | 3763.7 | 2821.4 | 2350.2 | 2001.1 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 4407.1 | 4454.6 | 4644.6 | 4834.7 | 4644.6 | 4454.6 | 4407.1 | 3683.8 | 2719.4 | 2237.1 | 1925.9 |
| 115° | 4192.1 | 4257.9 | 4521.4 | 4784.9 | 4521.4 | 4257.9 | 4192.1 | 3495.3 | 2566.2 | 2101.7 | 1839.5 |
| 117.5° | 3895.1 | 3968.1 | 4260.3 | 4552.5 | 4260.3 | 3968.1 | 3895.1 | 3266.2 | 2427.7 | 2008.4 | 1785.5 |
| 120° | 3695.0 | 3766.0 | 4049.8 | 4333.8 | 4049.8 | 3766.0 | 3695.0 | 3120.4 | 2354.2 | 1971.2 | 1767.4 |
| 122.5° | 3494.9 | 3564.9 | 3844.9 | 4124.9 | 3844.9 | 3564.9 | 3494.9 | 2977.4 | 2287.5 | 1942.6 | 1757.8 |
| 125° | 3230.1 | 3294.6 | 3552.5 | 3810.5 | 3552.5 | 3294.6 | 3230.1 | 2790.6 | 2204.5 | 1911.5 | 1750.0 |
| 127.5° | 3017.6 | 3072.0 | 3289.7 | 3507.3 | 3289.7 | 3072.0 | 3017.6 | 2640.2 | 2137.0 | 1885.4 | 1745.4 |
| 130° | 2883.4 | 2933.7 | 3134.7 | 3335.8 | 3134.7 | 2933.7 | 2883.4 | 2547.5 | 2099.5 | 1875.5 | 1748.2 |
| 132.5° | 2769.1 | 2814.1 | 2994.2 | 3174.3 | 2994.2 | 2814.1 | 2769.1 | 2468.3 | 2067.2 | 1866.7 | 1749.9 |
| 135° | 2607.4 | 2646.3 | 2801.4 | 2956.7 | 2801.4 | 2646.3 | 2607.4 | 2355.5 | 2019.8 | 1851.9 | 1748.3 |
| 137.5° | 2488.2 | 2520.0 | 2647.0 | 2774.1 | 2647.0 | 2520.0 | 2488.2 | 2275.3 | 1991.3 | 1849.4 | 1759.0 |
| 140° | 2392.5 | 2422.2 | 2541.0 | 2659.7 | 2541.0 | 2422.2 | 2392.5 | 2208.5 | 1963.2 | 1840.6 | 1760.8 |
| 142.5° | 2325.4 | 2350.9 | 2453.0 | 2555.2 | 2453.0 | 2350.9 | 2325.4 | 2163.8 | 1948.4 | 1840.6 | 1767.1 |
| 145° | 2224.7 | 2244.0 | 2321.4 | 2398.7 | 2321.4 | 2244.0 | 2224.7 | 2092.5 | 1916.3 | 1828.3 | 1767.2 |
| 147.5° | 2140.2 | 2156.2 | 2220.3 | 2284.3 | 2220.3 | 2156.2 | 2140.2 | 2036.2 | 1897.6 | 1828.3 | 1779.4 |
| 150° | 2091.7 | 2104.6 | 2156.6 | 2208.5 | 2156.6 | 2104.6 | 2091.7 | 2003.9 | 1886.8 | 1828.3 | 1785.7 |
| 152.5° | 2053.2 | 2062.9 | 2102.2 | 2141.4 | 2102.2 | 2062.9 | 2053.2 | 1978.2 | 1878.3 | 1828.3 | 1789.8 |
| 155° | 2007.1 | 2013.6 | 2039.6 | 2065.6 | 2039.6 | 2013.6 | 2007.1 | 1947.5 | 1868.0 | 1828.3 | 1799.0 |
| 157.5° | 1967.4 | 1972.0 | 1990.2 | 2008.4 | 1990.2 | 1972.0 | 1967.4 | 1921.0 | 1859.1 | 1828.3 | 1808.1 |
| 160° | 1947.5 | 1950.1 | 1960.6 | 1971.2 | 1960.6 | 1950.1 | 1947.5 | 1907.7 | 1854.8 | 1828.3 | 1812.2 |
| 162.5° | 1928.9 | 1931.3 | 1941.3 | 1951.3 | 1941.3 | 1931.3 | 1928.9 | 1895.3 | 1850.6 | 1828.3 | 1816.6 |
| 165° | 1900.3 | 1902.9 | 1913.4 | 1923.9 | 1913.4 | 1902.9 | 1900.3 | 1876.3 | 1844.3 | 1828.3 | 1823.0 |
| 167.5° | 1887.9 | 1889.0 | 1893.4 | 1897.8 | 1893.4 | 1889.0 | 1887.9 | 1872.2 | 1851.2 | 1840.6 | 1836.2 |
| 170° | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1887.9 | 1872.2 | 1851.2 | 1840.6 | 1840.3 |
| 172.5° | 1878.0 | 1877.0 | 1873.1 | 1869.2 | 1873.1 | 1877.0 | 1878.0 | 1865.5 | 1848.9 | 1840.6 | 1840.6 |
| 175° | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1864.2 | 1856.3 | 1845.9 | 1840.6 | 1843.1 |
| 177.5° | 1861.7 | 1860.6 | 1856.2 | 1851.9 | 1856.2 | 1860.6 | 1861.7 | 1855.5 | 1847.3 | 1843.1 | 1845.1 |
| 180° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2118.1 | 2118.1 | 2118.1 | 2118.1 | 2118.1 |
| 2.5° | 2092.1 | 2102.1 | 2108.1 | 2116.1 | 2136.1 |
| 5° | 2011.9 | 2050.0 | 2062.0 | 2092.1 | 2128.2 |
| 7.5° | 1835.6 | 1951.8 | 1983.8 | 2056.0 | 2112.1 |
| 10° | 1665.2 | 1781.4 | 1837.6 | 2007.9 | 2092.1 |
| 12.5° | 1579.1 | 1647.2 | 1685.3 | 1923.8 | 2064.0 |
| 15° | 1525.0 | 1573.1 | 1601.2 | 1811.5 | 2031.9 |
| 17.5° | 1482.8 | 1517.0 | 1537.0 | 1701.4 | 1987.9 |
| 20° | 1456.8 | 1472.9 | 1490.9 | 1621.2 | 1937.8 |
| 22.5° | 1438.8 | 1428.8 | 1442.8 | 1565.0 | 1869.7 |
| 25° | 1426.8 | 1388.7 | 1404.8 | 1521.0 | 1789.5 |
| 27.5° | 1436.8 | 1352.7 | 1358.6 | 1480.9 | 1705.4 |
| 30° | 1438.8 | 1308.5 | 1310.5 | 1438.8 | 1611.1 |
| 32.5° | 1424.8 | 1262.4 | 1264.4 | 1386.7 | 1505.0 |
| 35° | 1390.7 | 1208.3 | 1206.4 | 1326.6 | 1360.6 |
| 37.5° | 1344.6 | 1150.3 | 1150.3 | 1260.4 | 1202.4 |
| 40° | 1288.5 | 1092.1 | 1098.2 | 1174.3 | 1062.0 |
| 42.5° | 1220.4 | 1030.0 | 1038.0 | 1060.0 | 957.9 |
| 45° | 1146.2 | 969.9 | 975.9 | 895.7 | 877.7 |
| 47.5° | 1064.0 | 907.8 | 909.7 | 743.4 | 851.7 |
| 50° | 965.9 | 843.6 | 835.6 | 637.2 | 849.7 |
| 52.5° | 879.7 | 773.5 | 749.5 | 577.1 | 771.5 |
| 55° | 795.5 | 699.4 | 647.3 | 531.1 | 715.4 |
| 57.5° | 721.4 | 603.2 | 553.1 | 476.9 | 703.4 |
| 60° | 653.3 | 509.0 | 470.9 | 418.8 | 645.3 |
| 62.5° | 597.2 | 438.8 | 430.9 | 378.8 | 585.2 |
| 65° | 537.0 | 390.7 | 388.7 | 344.7 | 497.0 |
| 67.5° | 479.0 | 358.7 | 356.7 | 312.6 | 378.8 |
| 70° | 416.8 | 324.6 | 320.6 | 278.6 | 280.6 |
| 72.5° | 352.7 | 286.5 | 282.6 | 250.5 | 232.5 |
| 75° | 288.5 | 242.4 | 240.4 | 218.4 | 188.3 |
| 77.5° | 226.5 | 192.3 | 196.4 | 176.4 | 138.2 |
| 80° | 162.3 | 140.2 | 144.3 | 126.3 | 104.2 |
| 82.5° | 108.2 | 92.2 | 96.2 | 80.2 | 70.1 |
| 85° | 60.2 | 52.1 | 54.1 | 42.1 | 32.1 |
| 87.5° | 28.1 | 24.0 | 24.0 | 16.0 | 10.1 |
| 90° | 54.7 | 34.8 | 32.3 | 22.4 | 12.4 |
| 92.5° | 337.2 | 239.8 | 218.7 | 134.2 | 49.7 |
| 95° | 829.8 | 467.3 | 428.7 | 274.0 | 119.3 |
| 97.5° | 1117.7 | 513.3 | 479.2 | 342.7 | 206.3 |
| 100° | 1222.5 | 551.8 | 520.8 | 397.1 | 273.4 |
| 102.5° | 1270.6 | 590.3 | 561.4 | 446.0 | 330.6 |
| 105° | 1306.3 | 647.5 | 623.1 | 525.3 | 427.6 |
| 107.5° | 1312.8 | 732.1 | 709.3 | 618.1 | 527.0 |
| 110° | 1302.9 | 779.3 | 758.7 | 676.4 | 594.1 |



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1303.4 | 836.4 | 816.8 | 738.4 | 659.9 |
| 115° | 1315.3 | 922.2 | 904.1 | 831.8 | 759.4 |
| 117.5° | 1339.8 | 1005.5 | 989.0 | 923.3 | 857.6 |
| 120° | 1359.7 | 1054.0 | 1038.5 | 976.6 | 914.7 |
| 122.5° | 1388.3 | 1111.1 | 1095.5 | 1033.2 | 970.7 |
| 125° | 1426.8 | 1184.4 | 1170.2 | 1113.3 | 1056.5 |
| 127.5° | 1465.3 | 1255.3 | 1240.9 | 1183.4 | 1126.0 |
| 130° | 1493.5 | 1302.5 | 1287.0 | 1225.2 | 1163.3 |
| 132.5° | 1516.2 | 1341.0 | 1325.6 | 1263.7 | 1201.9 |
| 135° | 1541.1 | 1385.7 | 1371.7 | 1315.3 | 1259.0 |
| 137.5° | 1578.4 | 1442.9 | 1429.0 | 1373.2 | 1317.4 |
| 140° | 1601.2 | 1481.5 | 1468.6 | 1417.3 | 1365.9 |
| 142.5° | 1620.2 | 1510.0 | 1498.2 | 1450.7 | 1403.2 |
| 145° | 1645.1 | 1553.6 | 1543.2 | 1501.8 | 1460.3 |
| 147.5° | 1681.5 | 1608.2 | 1598.2 | 1557.8 | 1517.5 |
| 150° | 1700.7 | 1636.8 | 1627.7 | 1591.2 | 1554.8 |
| 152.5° | 1713.0 | 1655.5 | 1648.6 | 1620.9 | 1593.3 |
| 155° | 1740.4 | 1696.5 | 1691.4 | 1670.9 | 1650.5 |
| 157.5° | 1767.8 | 1737.5 | 1732.5 | 1712.6 | 1692.7 |
| 160° | 1780.2 | 1756.1 | 1752.3 | 1736.8 | 1721.3 |
| 162.5° | 1793.4 | 1776.0 | 1773.1 | 1761.4 | 1749.9 |
| 165° | 1812.4 | 1804.6 | 1802.0 | 1791.4 | 1780.9 |
| 167.5° | 1827.4 | 1820.8 | 1819.5 | 1814.5 | 1809.5 |
| 170° | 1839.8 | 1839.4 | 1838.2 | 1833.2 | 1828.3 |
| 172.5° | 1840.6 | 1840.6 | 1840.3 | 1839.2 | 1838.1 |
| 175° | 1848.1 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |
| 177.5° | 1849.0 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |
| 180° | 1851.9 | 1851.9 | 1851.9 | 1851.9 | 1851.9 |



TEST NUMBER: P935077
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-2700K

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 | 9.32 | 10.04 | 10.42 | 11.13 | 12.65 | 12.17 | 12.89 | 13.27 | 13.98 | 15.50 |
| | 3H | 9.78 | 10.43 | 10.90 | 11.53 | 13.06 | 13.51 | 14.15 | 14.62 | 15.26 | 16.79 |
| | 4H | 9.97 | 10.58 | 11.09 | 11.68 | 13.22 | 13.95 | 14.56 | 15.07 | 15.67 | 17.21 |
| | 6H | 10.08 | 10.64 | 11.21 | 11.75 | 13.30 | 14.24 | 14.80 | 15.36 | 15.91 | 17.45 |
| | 8H | 10.08 | 10.61 | 11.21 | 11.74 | 13.28 | 14.31 | 14.84 | 15.44 | 15.97 | 17.51 |
| | 12H | 10.04 | 10.55 | 11.18 | 11.67 | 13.23 | 14.35 | 14.85 | 15.48 | 15.97 | 17.54 |
| 4H | 2H | 10.34 | 10.95 | 11.47 | 12.05 | 13.59 | 12.56 | 13.17 | 13.69 | 14.28 | 15.81 |
| | 3H | 11.35 | 11.86 | 12.49 | 12.99 | 14.54 | 14.06 | 14.57 | 15.19 | 15.70 | 17.25 |
| | 4H | 11.62 | 12.09 | 12.76 | 13.21 | 14.78 | 14.58 | 15.05 | 15.72 | 16.17 | 17.74 |
| | 6H | 11.74 | 12.14 | 12.88 | 13.28 | 14.84 | 14.95 | 15.35 | 16.09 | 16.49 | 18.05 |
| | 8H | 11.74 | 12.11 | 12.88 | 13.25 | 14.83 | 15.05 | 15.43 | 16.20 | 16.56 | 18.14 |
| | 12H | 11.70 | 12.04 | 12.86 | 13.19 | 14.77 | 15.11 | 15.45 | 16.27 | 16.59 | 18.18 |
| 8H | 4H | 12.07 | 12.44 | 13.21 | 13.58 | 15.15 | 14.70 | 15.07 | 15.84 | 16.21 | 17.78 |
| | 6H | 12.32 | 12.63 | 13.49 | 13.81 | 15.38 | 15.13 | 15.44 | 16.30 | 16.62 | 18.19 |
| | 8H | 12.36 | 12.63 | 13.53 | 13.79 | 15.38 | 15.29 | 15.56 | 16.46 | 16.71 | 18.31 |
| | 12H | 12.34 | 12.58 | 13.51 | 13.73 | 15.36 | 15.38 | 15.62 | 16.56 | 16.78 | 18.40 |
| 12H | 4H | 12.07 | 12.40 | 13.23 | 13.55 | 15.14 | 14.65 | 14.99 | 15.81 | 16.14 | 17.72 |
| | 6H | 12.38 | 12.65 | 13.55 | 13.81 | 15.40 | 15.13 | 15.40 | 16.30 | 16.56 | 18.15 |
| | 8H | 12.44 | 12.68 | 13.62 | 13.83 | 15.46 | 15.29 | 15.52 | 16.46 | 16.68 | 18.31 |