

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: P935641

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

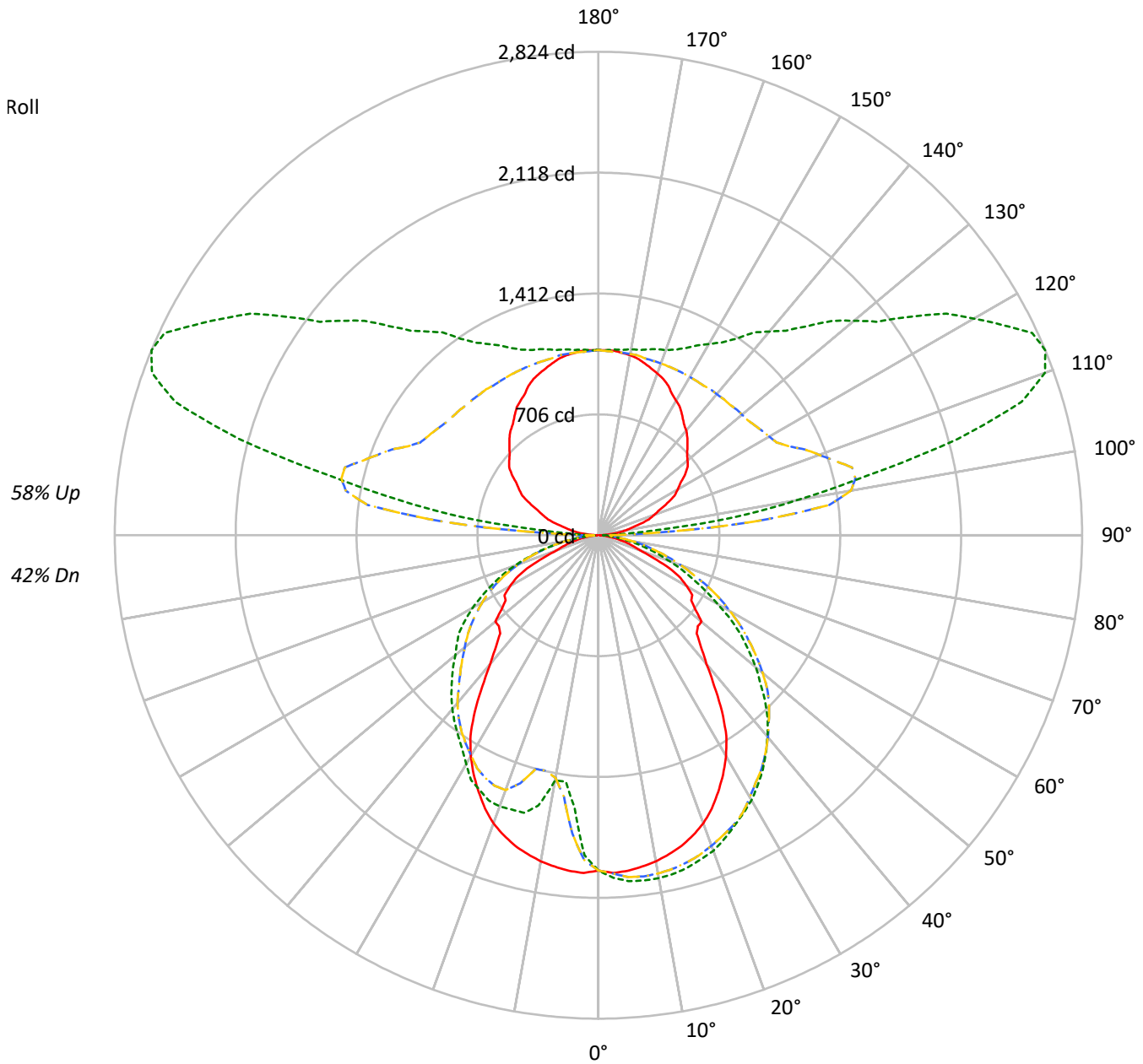
Test Method: LM-79-2019  
Report Number: P935641  
REPORT IS A COMBINATION OF REPORTS P933763 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12092.3 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 96.6  
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

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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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 | 42 |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | 35 |
| 2   | 87  | 80  | 74  | 69  | 80 | 73 | 68 | 64 | 61 | 57 | 54 | 49 | 46 | 44 | 38 | 36 | 35 | 30 |
| 3   | 80  | 70  | 63  | 57  | 72 | 65 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 34 | 31 | 30 | 25 |
| 4   | 73  | 62  | 54  | 49  | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 35 | 32 | 30 | 28 | 25 | 22 |
| 5   | 67  | 55  | 47  | 41  | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 31 | 27 | 27 | 24 | 22 | 19 |
| 6   | 62  | 50  | 42  | 36  | 56 | 46 | 39 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 22 | 19 | 16 |
| 7   | 57  | 45  | 37  | 31  | 52 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 15 |
| 8   | 53  | 40  | 33  | 28  | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 20 | 18 | 15 | 13 |
| 9   | 49  | 37  | 30  | 25  | 45 | 34 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10  | 46  | 34  | 27  | 22  | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 11 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 12111 | 12111 | 12111 | 12111 |
| 5°  | 12197 | 12226 | 12197 | 9613  |
| 10° | 12112 | 12043 | 12112 | 8610  |
| 15° | 11975 | 11782 | 11975 | 9839  |
| 20° | 11721 | 11474 | 11721 | 9859  |
| 25° | 11203 | 11023 | 11203 | 9651  |
| 30° | 10537 | 10648 | 10537 | 9191  |
| 35° | 9388  | 10175 | 9388  | 8687  |
| 40° | 7818  | 9617  | 7818  | 8307  |
| 45° | 6981  | 8965  | 6981  | 7868  |
| 50° | 7410  | 8187  | 7410  | 7429  |
| 55° | 6966  | 7349  | 6966  | 7174  |
| 60° | 7172  | 6241  | 7172  | 6571  |
| 65° | 6493  | 5159  | 6493  | 5767  |
| 70° | 4485  | 4112  | 4485  | 4833  |
| 75° | 3918  | 3039  | 3918  | 3640  |
| 80° | 3134  | 2010  | 3134  | 2188  |
| 85° | 1765  | 1064  | 1765  | 905   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10707 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 176.7   | 1.5       |
| 10°-20°   | 501.8   | 4.1       |
| 20°-30°   | 775.7   | 6.4       |
| 30°-40°   | 926.0   | 7.7       |
| 40°-50°   | 931.4   | 7.7       |
| 50°-60°   | 810.4   | 6.7       |
| 60°-70°   | 574.6   | 4.8       |
| 70°-80°   | 304.0   | 2.5       |
| 80°-90°   | 79.8    | 0.7       |
| 90°-100°  | 527.2   | 4.4       |
| 100°-110° | 1386.1  | 11.5      |
| 110°-120° | 1437.3  | 11.9      |
| 120°-130° | 1152.9  | 9.5       |
| 130°-140° | 904.6   | 7.5       |
| 140°-150° | 694.3   | 5.7       |
| 150°-160° | 500.0   | 4.1       |
| 160°-170° | 305.9   | 2.5       |
| 170°-180° | 103.4   | 0.9       |
| 0°-30°    | 1454.2  | 12.0      |
| 0°-40°    | 2380.2  | 19.7      |
| 0°-60°    | 4122.1  | 34.1      |
| 0°-90°    | 5080.5  | 42.0      |
| 90°-120°  | 3350.6  | 27.7      |
| 90°-150°  | 6102.4  | 50.5      |
| 90°-180°  | 7012.0  | 58.0      |
| 0°-180°   | 12092.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1958 | 1958 | 1958 | 1958 | 1958 |      |
| 5°   | 1967 | 2028 | 1967 | 1595 | 1967 | 187  |
| 15°  | 1878 | 2010 | 1878 | 1678 | 1878 | 528  |
| 25°  | 1654 | 1875 | 1654 | 1641 | 1654 | 759  |
| 35°  | 1258 | 1673 | 1258 | 1428 | 1258 | 778  |
| 45°  | 811  | 1378 | 811  | 1210 | 811  | 650  |
| 55°  | 661  | 1017 | 661  | 993  | 661  | 608  |
| 65°  | 459  | 613  | 459  | 685  | 459  | 439  |
| 75°  | 174  | 291  | 174  | 348  | 174  | 183  |
| 85°  | 30   | 74   | 30   | 63   | 30   | 40   |
| 90°  | 7    | 28   | 7    | 28   | 7    | 7    |
| 95°  | 70   | 319  | 70   | 319  | 70   | 77   |
| 105° | 250  | 2170 | 250  | 2170 | 250  | 265  |
| 115° | 444  | 2795 | 444  | 2795 | 444  | 438  |
| 125° | 617  | 2226 | 617  | 2226 | 617  | 548  |
| 135° | 735  | 1727 | 735  | 1727 | 735  | 569  |
| 145° | 853  | 1401 | 853  | 1401 | 853  | 534  |
| 155° | 964  | 1206 | 964  | 1206 | 964  | 443  |
| 165° | 1040 | 1124 | 1040 | 1124 | 1040 | 294  |
| 175° | 1082 | 1089 | 1082 | 1089 | 1082 | 103  |
| 180° | 1082 | 1082 | 1082 | 1082 | 1082 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 |
| 2.5°   | 1974.6 | 1974.6 | 1985.7 | 1989.3 | 1989.3 | 1983.8 | 1978.2 | 1983.8 | 2000.5 | 2006.1 | 2004.2 |
| 5°     | 1967.1 | 1982.0 | 2002.3 | 2006.1 | 2009.7 | 2007.8 | 2004.2 | 2007.8 | 2026.3 | 2030.1 | 2032.0 |
| 7.5°   | 1952.3 | 1980.1 | 2006.1 | 2011.6 | 2017.1 | 2011.6 | 2009.7 | 2013.5 | 2032.0 | 2035.7 | 2035.7 |
| 10°    | 1933.8 | 1972.7 | 2002.3 | 2006.1 | 2011.6 | 2006.1 | 2006.1 | 2013.5 | 2032.0 | 2035.7 | 2037.5 |
| 12.5°  | 1907.8 | 1961.6 | 1989.3 | 1993.1 | 2000.5 | 1998.6 | 1996.7 | 2004.2 | 2022.7 | 2026.3 | 2026.3 |
| 15°    | 1878.2 | 1941.2 | 1967.1 | 1970.8 | 1983.8 | 1980.1 | 1980.1 | 1987.5 | 2007.8 | 2013.5 | 2011.6 |
| 17.5°  | 1837.4 | 1915.2 | 1944.9 | 1950.5 | 1959.7 | 1957.8 | 1959.7 | 1967.1 | 1985.7 | 1989.3 | 1991.2 |
| 20°    | 1791.2 | 1880.1 | 1915.2 | 1920.8 | 1930.1 | 1930.1 | 1930.1 | 1939.3 | 1957.8 | 1965.3 | 1965.3 |
| 22.5°  | 1728.2 | 1843.1 | 1880.1 | 1883.8 | 1894.9 | 1894.9 | 1898.6 | 1911.6 | 1928.2 | 1930.1 | 1930.1 |
| 25°    | 1654.1 | 1802.3 | 1833.8 | 1844.8 | 1856.0 | 1861.6 | 1867.1 | 1874.6 | 1880.1 | 1878.2 | 1880.1 |
| 27.5°  | 1576.3 | 1750.4 | 1791.2 | 1798.6 | 1813.4 | 1818.9 | 1826.3 | 1828.2 | 1830.1 | 1835.6 | 1831.9 |
| 30°    | 1489.3 | 1678.2 | 1739.3 | 1746.7 | 1770.8 | 1774.4 | 1767.1 | 1770.8 | 1780.1 | 1783.8 | 1787.4 |
| 32.5°  | 1391.0 | 1570.8 | 1685.6 | 1702.3 | 1724.4 | 1713.3 | 1711.5 | 1717.1 | 1731.9 | 1731.9 | 1735.6 |
| 35°    | 1257.7 | 1487.4 | 1635.5 | 1650.4 | 1667.0 | 1654.1 | 1661.5 | 1663.3 | 1672.6 | 1678.2 | 1676.3 |
| 37.5°  | 1111.4 | 1415.1 | 1583.7 | 1594.8 | 1607.8 | 1591.2 | 1602.2 | 1607.8 | 1615.2 | 1611.5 | 1611.5 |
| 40°    | 981.7  | 1302.1 | 1522.5 | 1530.0 | 1541.1 | 1528.2 | 1539.3 | 1542.9 | 1546.7 | 1542.9 | 1541.1 |
| 42.5°  | 885.4  | 1178.0 | 1457.8 | 1467.0 | 1459.6 | 1468.9 | 1472.5 | 1480.0 | 1474.4 | 1467.0 | 1467.0 |
| 45°    | 811.3  | 1144.7 | 1387.4 | 1398.5 | 1387.4 | 1402.2 | 1407.8 | 1407.8 | 1391.0 | 1387.4 | 1385.5 |
| 47.5°  | 787.2  | 1078.0 | 1317.0 | 1317.0 | 1311.4 | 1329.9 | 1339.2 | 1326.3 | 1309.5 | 1304.0 | 1304.0 |
| 50°    | 785.3  | 1004.0 | 1220.6 | 1213.2 | 1239.1 | 1261.4 | 1252.1 | 1239.1 | 1226.2 | 1205.9 | 1205.9 |
| 52.5°  | 713.1  | 913.2  | 1096.5 | 1124.4 | 1165.1 | 1178.0 | 1163.2 | 1150.2 | 1128.0 | 1118.7 | 1111.4 |
| 55°    | 661.3  | 818.7  | 983.6  | 1039.1 | 1081.7 | 1098.4 | 1070.6 | 1057.6 | 1024.3 | 1018.7 | 1015.1 |
| 57.5°  | 650.2  | 681.7  | 879.8  | 950.2  | 1002.1 | 1000.2 | 983.6  | 959.5  | 931.7  | 926.1  | 924.3  |
| 60°    | 596.4  | 492.7  | 768.7  | 852.1  | 905.7  | 900.2  | 885.4  | 863.2  | 837.2  | 833.6  | 829.8  |
| 62.5°  | 540.8  | 357.5  | 642.7  | 737.2  | 813.2  | 811.3  | 798.3  | 765.0  | 746.5  | 737.2  | 729.8  |
| 65°    | 459.4  | 300.0  | 457.5  | 613.1  | 722.4  | 726.1  | 698.3  | 674.2  | 653.8  | 642.7  | 640.9  |
| 67.5°  | 350.0  | 244.5  | 309.3  | 511.2  | 635.3  | 631.7  | 596.4  | 585.3  | 559.4  | 553.8  | 542.7  |
| 70°    | 259.3  | 163.0  | 214.9  | 414.9  | 550.2  | 540.8  | 513.1  | 500.2  | 476.0  | 463.1  | 455.7  |
| 72.5°  | 214.9  | 131.5  | 157.4  | 322.3  | 463.1  | 451.9  | 427.9  | 413.0  | 392.7  | 381.5  | 374.2  |
| 75°    | 174.1  | 138.9  | 120.4  | 238.9  | 376.0  | 368.6  | 346.4  | 331.5  | 314.9  | 300.0  | 301.9  |
| 77.5°  | 127.8  | 129.6  | 96.3   | 176.0  | 298.2  | 287.1  | 274.1  | 255.6  | 248.2  | 233.4  | 233.4  |
| 80°    | 96.3   | 101.9  | 72.3   | 120.4  | 214.9  | 214.9  | 203.8  | 190.8  | 177.8  | 170.4  | 170.4  |
| 82.5°  | 64.9   | 64.9   | 53.7   | 75.9   | 146.4  | 140.8  | 133.4  | 129.6  | 122.3  | 118.5  | 118.5  |
| 85°    | 29.6   | 37.0   | 33.4   | 46.3   | 79.6   | 83.4   | 83.4   | 79.6   | 77.8   | 74.1   | 75.9   |
| 87.5°  | 9.3    | 16.6   | 20.4   | 25.9   | 40.8   | 42.6   | 44.5   | 44.5   | 44.5   | 46.3   | 46.3   |
| 90°    | 7.3    | 13.1   | 18.9   | 20.3   | 31.9   | 47.4   | 55.1   | 49.0   | 36.7   | 27.6   | 27.6   |
| 92.5°  | 29.1   | 78.4   | 127.8  | 140.1  | 196.9  | 272.7  | 310.7  | 272.3  | 195.5  | 138.0  | 132.4  |
| 95°    | 69.7   | 160.0  | 250.3  | 272.9  | 484.6  | 767.0  | 908.2  | 810.4  | 614.8  | 468.2  | 451.6  |
| 97.5°  | 120.5  | 200.1  | 279.9  | 299.8  | 652.8  | 1123.6 | 1359.0 | 1297.2 | 1173.6 | 1080.9 | 1049.3 |
| 100°   | 159.7  | 232.0  | 304.2  | 322.3  | 714.0  | 1236.4 | 1497.6 | 1502.1 | 1511.1 | 1517.9 | 1480.2 |
| 102.5° | 193.1  | 260.5  | 328.0  | 344.8  | 742.2  | 1271.9 | 1536.8 | 1615.5 | 1773.0 | 1891.0 | 1858.8 |
| 105°   | 249.8  | 306.9  | 363.9  | 378.2  | 762.9  | 1276.0 | 1532.5 | 1708.9 | 2061.9 | 2326.6 | 2309.2 |
| 107.5° | 307.8  | 361.0  | 414.3  | 427.5  | 766.8  | 1219.1 | 1445.3 | 1691.5 | 2183.8 | 2553.1 | 2557.3 |
| 110°   | 347.0  | 395.0  | 443.1  | 455.1  | 760.9  | 1168.8 | 1372.7 | 1647.9 | 2198.3 | 2611.2 | 2629.2 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 385.5  | 431.3  | 477.1  | 488.6  | 761.2  | 1124.8 | 1306.6 | 1588.3 | 2151.6 | 2574.1 | 2601.8 |
| 115°   | 443.5  | 485.8  | 528.1  | 538.7  | 768.3  | 1074.4 | 1227.5 | 1498.9 | 2041.6 | 2448.6 | 2487.1 |
| 117.5° | 500.9  | 539.3  | 577.6  | 587.3  | 782.5  | 1042.9 | 1173.1 | 1417.9 | 1907.7 | 2275.1 | 2317.7 |
| 120°   | 534.3  | 570.5  | 606.5  | 615.6  | 794.1  | 1032.2 | 1151.3 | 1375.0 | 1822.5 | 2158.1 | 2199.6 |
| 122.5° | 567.0  | 603.4  | 639.9  | 649.0  | 810.9  | 1026.7 | 1134.6 | 1336.2 | 1739.1 | 2041.3 | 2082.2 |
| 125°   | 617.0  | 650.3  | 683.5  | 691.8  | 833.4  | 1022.1 | 1116.5 | 1287.7 | 1629.9 | 1886.7 | 1924.4 |
| 127.5° | 657.7  | 691.2  | 724.8  | 733.2  | 855.9  | 1019.5 | 1101.3 | 1248.2 | 1542.2 | 1762.6 | 1794.4 |
| 130°   | 679.4  | 715.6  | 751.7  | 760.8  | 872.3  | 1021.0 | 1095.4 | 1226.2 | 1487.9 | 1684.2 | 1713.5 |
| 132.5° | 702.0  | 738.1  | 774.2  | 783.3  | 885.6  | 1022.1 | 1090.3 | 1207.5 | 1441.7 | 1617.3 | 1643.6 |
| 135°   | 735.3  | 768.2  | 801.1  | 809.4  | 900.1  | 1021.2 | 1081.6 | 1179.7 | 1375.9 | 1523.0 | 1545.6 |
| 137.5° | 769.4  | 802.1  | 834.7  | 842.8  | 921.9  | 1027.4 | 1080.1 | 1163.1 | 1328.9 | 1453.3 | 1471.8 |
| 140°   | 797.8  | 827.8  | 857.8  | 865.3  | 935.2  | 1028.5 | 1075.1 | 1146.7 | 1290.0 | 1397.4 | 1414.8 |
| 142.5° | 819.6  | 847.3  | 875.1  | 882.0  | 946.4  | 1032.2 | 1075.1 | 1138.0 | 1263.8 | 1358.2 | 1373.2 |
| 145°   | 852.9  | 877.1  | 901.3  | 907.4  | 960.9  | 1032.2 | 1067.8 | 1119.3 | 1222.2 | 1299.4 | 1310.7 |
| 147.5° | 886.4  | 909.9  | 933.5  | 939.4  | 982.2  | 1039.3 | 1067.8 | 1108.3 | 1189.3 | 1250.1 | 1259.4 |
| 150°   | 908.2  | 929.5  | 950.7  | 956.0  | 993.3  | 1042.9 | 1067.8 | 1102.0 | 1170.4 | 1221.8 | 1229.3 |
| 152.5° | 930.6  | 946.8  | 962.9  | 967.0  | 1000.6 | 1045.4 | 1067.8 | 1097.0 | 1155.4 | 1199.2 | 1204.9 |
| 155°   | 964.1  | 976.0  | 987.9  | 990.9  | 1016.5 | 1050.7 | 1067.8 | 1091.1 | 1137.5 | 1172.4 | 1176.2 |
| 157.5° | 988.7  | 1000.3 | 1011.9 | 1014.8 | 1032.5 | 1056.0 | 1067.8 | 1085.8 | 1122.0 | 1149.1 | 1151.7 |
| 160°   | 1005.4 | 1014.4 | 1023.5 | 1025.7 | 1039.8 | 1058.5 | 1067.8 | 1083.3 | 1114.3 | 1137.5 | 1139.0 |
| 162.5° | 1022.1 | 1028.8 | 1035.7 | 1037.3 | 1047.5 | 1061.1 | 1067.8 | 1080.9 | 1107.0 | 1126.6 | 1128.1 |
| 165°   | 1040.2 | 1046.4 | 1052.6 | 1054.1 | 1058.6 | 1064.7 | 1067.8 | 1077.2 | 1095.9 | 1110.0 | 1111.5 |
| 167.5° | 1057.0 | 1059.9 | 1062.8 | 1063.5 | 1067.3 | 1072.5 | 1075.1 | 1081.3 | 1093.5 | 1102.7 | 1103.3 |
| 170°   | 1067.8 | 1070.7 | 1073.6 | 1074.4 | 1074.6 | 1074.9 | 1075.1 | 1081.3 | 1093.5 | 1102.7 | 1102.7 |
| 172.5° | 1073.6 | 1074.3 | 1074.9 | 1075.1 | 1075.1 | 1075.1 | 1075.1 | 1080.0 | 1089.6 | 1096.9 | 1096.3 |
| 175°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1079.5 | 1076.6 | 1075.1 | 1078.2 | 1084.4 | 1088.9 | 1088.9 |
| 177.5° | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1080.0 | 1077.6 | 1076.5 | 1078.9 | 1083.8 | 1087.4 | 1086.8 |
| 180°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |



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CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 |
| 2.5°   | 2007.8 | 2002.3 | 2007.8 | 2004.2 | 2006.1 | 2000.5 | 1983.8 | 1978.2 | 1983.8 | 1989.3 | 1989.3 |
| 5°     | 2032.0 | 2028.2 | 2032.0 | 2032.0 | 2030.1 | 2026.3 | 2007.8 | 2004.2 | 2007.8 | 2009.7 | 2006.1 |
| 7.5°   | 2039.3 | 2033.8 | 2039.3 | 2035.7 | 2035.7 | 2032.0 | 2013.5 | 2009.7 | 2011.6 | 2017.1 | 2011.6 |
| 10°    | 2039.3 | 2033.8 | 2039.3 | 2037.5 | 2035.7 | 2032.0 | 2013.5 | 2006.1 | 2006.1 | 2011.6 | 2006.1 |
| 12.5°  | 2030.1 | 2026.3 | 2030.1 | 2026.3 | 2026.3 | 2022.7 | 2004.2 | 1996.7 | 1998.6 | 2000.5 | 1993.1 |
| 15°    | 2015.3 | 2009.7 | 2015.3 | 2011.6 | 2013.5 | 2007.8 | 1987.5 | 1980.1 | 1980.1 | 1983.8 | 1970.8 |
| 17.5°  | 1993.1 | 1985.7 | 1993.1 | 1991.2 | 1989.3 | 1985.7 | 1967.1 | 1959.7 | 1957.8 | 1959.7 | 1950.5 |
| 20°    | 1967.1 | 1961.6 | 1967.1 | 1965.3 | 1965.3 | 1957.8 | 1939.3 | 1930.1 | 1930.1 | 1930.1 | 1920.8 |
| 22.5°  | 1926.3 | 1920.8 | 1926.3 | 1930.1 | 1930.1 | 1928.2 | 1911.6 | 1898.6 | 1894.9 | 1894.9 | 1883.8 |
| 25°    | 1880.1 | 1874.6 | 1880.1 | 1880.1 | 1878.2 | 1880.1 | 1874.6 | 1867.1 | 1861.6 | 1856.0 | 1844.8 |
| 27.5°  | 1835.6 | 1831.9 | 1835.6 | 1831.9 | 1835.6 | 1830.1 | 1828.2 | 1826.3 | 1818.9 | 1813.4 | 1798.6 |
| 30°    | 1791.2 | 1787.4 | 1791.2 | 1787.4 | 1783.8 | 1780.1 | 1770.8 | 1767.1 | 1774.4 | 1770.8 | 1746.7 |
| 32.5°  | 1735.6 | 1731.9 | 1735.6 | 1735.6 | 1731.9 | 1731.9 | 1717.1 | 1711.5 | 1713.3 | 1724.4 | 1702.3 |
| 35°    | 1678.2 | 1672.6 | 1678.2 | 1676.3 | 1678.2 | 1672.6 | 1663.3 | 1661.5 | 1654.1 | 1667.0 | 1650.4 |
| 37.5°  | 1611.5 | 1605.9 | 1611.5 | 1611.5 | 1611.5 | 1615.2 | 1607.8 | 1602.2 | 1591.2 | 1607.8 | 1594.8 |
| 40°    | 1542.9 | 1535.5 | 1542.9 | 1541.1 | 1542.9 | 1546.7 | 1542.9 | 1539.3 | 1528.2 | 1541.1 | 1530.0 |
| 42.5°  | 1465.2 | 1463.3 | 1465.2 | 1467.0 | 1467.0 | 1474.4 | 1480.0 | 1472.5 | 1468.9 | 1459.6 | 1467.0 |
| 45°    | 1381.8 | 1378.1 | 1381.8 | 1385.5 | 1387.4 | 1391.0 | 1407.8 | 1407.8 | 1402.2 | 1387.4 | 1398.5 |
| 47.5°  | 1292.9 | 1283.6 | 1292.9 | 1304.0 | 1304.0 | 1309.5 | 1326.3 | 1339.2 | 1329.9 | 1311.4 | 1317.0 |
| 50°    | 1198.4 | 1200.3 | 1198.4 | 1205.9 | 1205.9 | 1226.2 | 1239.1 | 1252.1 | 1261.4 | 1239.1 | 1213.2 |
| 52.5°  | 1105.9 | 1104.0 | 1105.9 | 1111.4 | 1118.7 | 1128.0 | 1150.2 | 1163.2 | 1178.0 | 1165.1 | 1124.4 |
| 55°    | 1013.2 | 1016.9 | 1013.2 | 1015.1 | 1018.7 | 1024.3 | 1057.6 | 1070.6 | 1098.4 | 1081.7 | 1039.1 |
| 57.5°  | 920.6  | 915.0  | 920.6  | 924.3  | 926.1  | 931.7  | 959.5  | 983.6  | 1000.2 | 1002.1 | 950.2  |
| 60°    | 813.2  | 805.7  | 813.2  | 829.8  | 833.6  | 837.2  | 863.2  | 885.4  | 900.2  | 905.7  | 852.1  |
| 62.5°  | 718.7  | 705.7  | 718.7  | 729.8  | 737.2  | 746.5  | 765.0  | 798.3  | 811.3  | 813.2  | 737.2  |
| 65°    | 618.7  | 613.1  | 618.7  | 640.9  | 642.7  | 653.8  | 674.2  | 698.3  | 726.1  | 722.4  | 613.1  |
| 67.5°  | 527.9  | 527.9  | 527.9  | 542.7  | 553.8  | 559.4  | 585.3  | 596.4  | 631.7  | 635.3  | 511.2  |
| 70°    | 444.5  | 442.7  | 444.5  | 455.7  | 463.1  | 476.0  | 500.2  | 513.1  | 540.8  | 550.2  | 414.9  |
| 72.5°  | 364.9  | 363.0  | 364.9  | 374.2  | 381.5  | 392.7  | 413.0  | 427.9  | 451.9  | 463.1  | 322.3  |
| 75°    | 294.5  | 290.8  | 294.5  | 301.9  | 300.0  | 314.9  | 331.5  | 346.4  | 368.6  | 376.0  | 238.9  |
| 77.5°  | 226.0  | 226.0  | 226.0  | 233.4  | 233.4  | 248.2  | 255.6  | 274.1  | 287.1  | 298.2  | 176.0  |
| 80°    | 168.5  | 166.8  | 168.5  | 170.4  | 170.4  | 177.8  | 190.8  | 203.8  | 214.9  | 214.9  | 120.4  |
| 82.5°  | 118.5  | 114.9  | 118.5  | 118.5  | 118.5  | 122.3  | 129.6  | 133.4  | 140.8  | 146.4  | 75.9   |
| 85°    | 74.1   | 74.1   | 74.1   | 75.9   | 74.1   | 77.8   | 79.6   | 83.4   | 83.4   | 79.6   | 46.3   |
| 87.5°  | 48.1   | 46.3   | 48.1   | 46.3   | 46.3   | 44.5   | 44.5   | 44.5   | 42.6   | 40.8   | 25.9   |
| 90°    | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 36.7   | 49.0   | 55.1   | 47.4   | 31.9   | 20.3   |
| 92.5°  | 110.5  | 88.5   | 110.5  | 132.4  | 138.0  | 195.5  | 272.3  | 310.7  | 272.7  | 196.9  | 140.1  |
| 95°    | 385.1  | 318.6  | 385.1  | 451.6  | 468.2  | 614.8  | 810.4  | 908.2  | 767.0  | 484.6  | 272.9  |
| 97.5°  | 922.8  | 796.4  | 922.8  | 1049.3 | 1080.9 | 1173.6 | 1297.2 | 1359.0 | 1123.6 | 652.8  | 299.8  |
| 100°   | 1329.6 | 1178.9 | 1329.6 | 1480.2 | 1517.9 | 1511.1 | 1502.1 | 1497.6 | 1236.4 | 714.0  | 322.3  |
| 102.5° | 1729.7 | 1600.7 | 1729.7 | 1858.8 | 1891.0 | 1773.0 | 1615.5 | 1536.8 | 1271.9 | 742.2  | 344.8  |
| 105°   | 2239.8 | 2170.5 | 2239.8 | 2309.2 | 2326.6 | 2061.9 | 1708.9 | 1532.5 | 1276.0 | 762.9  | 378.2  |
| 107.5° | 2574.0 | 2590.8 | 2574.0 | 2557.3 | 2553.1 | 2183.8 | 1691.5 | 1445.3 | 1219.1 | 766.8  | 427.5  |
| 110°   | 2701.5 | 2773.7 | 2701.5 | 2629.2 | 2611.2 | 2198.3 | 1647.9 | 1372.7 | 1168.8 | 760.9  | 455.1  |





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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2712.8 | 2823.8 | 2712.8 | 2601.8 | 2574.1 | 2151.6 | 1588.3 | 1306.6 | 1124.8 | 761.2  | 488.6  |
| 115°   | 2640.9 | 2794.8 | 2640.9 | 2487.1 | 2448.6 | 2041.6 | 1498.9 | 1227.5 | 1074.4 | 768.3  | 538.7  |
| 117.5° | 2488.4 | 2659.1 | 2488.4 | 2317.7 | 2275.1 | 1907.7 | 1417.9 | 1173.1 | 1042.9 | 782.5  | 587.3  |
| 120°   | 2365.5 | 2531.3 | 2365.5 | 2199.6 | 2158.1 | 1822.5 | 1375.0 | 1151.3 | 1032.2 | 794.1  | 615.6  |
| 122.5° | 2245.7 | 2409.3 | 2245.7 | 2082.2 | 2041.3 | 1739.1 | 1336.2 | 1134.6 | 1026.7 | 810.9  | 649.0  |
| 125°   | 2075.0 | 2225.7 | 2075.0 | 1924.4 | 1886.7 | 1629.9 | 1287.7 | 1116.5 | 1022.1 | 833.4  | 691.8  |
| 127.5° | 1921.5 | 2048.6 | 1921.5 | 1794.4 | 1762.6 | 1542.2 | 1248.2 | 1101.3 | 1019.5 | 855.9  | 733.2  |
| 130°   | 1831.0 | 1948.4 | 1831.0 | 1713.5 | 1684.2 | 1487.9 | 1226.2 | 1095.4 | 1021.0 | 872.3  | 760.8  |
| 132.5° | 1748.8 | 1854.0 | 1748.8 | 1643.6 | 1617.3 | 1441.7 | 1207.5 | 1090.3 | 1022.1 | 885.6  | 783.3  |
| 135°   | 1636.3 | 1727.0 | 1636.3 | 1545.6 | 1523.0 | 1375.9 | 1179.7 | 1081.6 | 1021.2 | 900.1  | 809.4  |
| 137.5° | 1546.0 | 1620.2 | 1546.0 | 1471.8 | 1453.3 | 1328.9 | 1163.1 | 1080.1 | 1027.4 | 921.9  | 842.8  |
| 140°   | 1484.1 | 1553.5 | 1484.1 | 1414.8 | 1397.4 | 1290.0 | 1146.7 | 1075.1 | 1028.5 | 935.2  | 865.3  |
| 142.5° | 1432.8 | 1492.5 | 1432.8 | 1373.2 | 1358.2 | 1263.8 | 1138.0 | 1075.1 | 1032.2 | 946.4  | 882.0  |
| 145°   | 1355.9 | 1401.0 | 1355.9 | 1310.7 | 1299.4 | 1222.2 | 1119.3 | 1067.8 | 1032.2 | 960.9  | 907.4  |
| 147.5° | 1296.9 | 1334.3 | 1296.9 | 1259.4 | 1250.1 | 1189.3 | 1108.3 | 1067.8 | 1039.3 | 982.2  | 939.4  |
| 150°   | 1259.7 | 1290.0 | 1259.7 | 1229.3 | 1221.8 | 1170.4 | 1102.0 | 1067.8 | 1042.9 | 993.3  | 956.0  |
| 152.5° | 1227.8 | 1250.7 | 1227.8 | 1204.9 | 1199.2 | 1155.4 | 1097.0 | 1067.8 | 1045.4 | 1000.6 | 967.0  |
| 155°   | 1191.4 | 1206.5 | 1191.4 | 1176.2 | 1172.4 | 1137.5 | 1091.1 | 1067.8 | 1050.7 | 1016.5 | 990.9  |
| 157.5° | 1162.4 | 1173.1 | 1162.4 | 1151.7 | 1149.1 | 1122.0 | 1085.8 | 1067.8 | 1056.0 | 1032.5 | 1014.8 |
| 160°   | 1145.2 | 1151.3 | 1145.2 | 1139.0 | 1137.5 | 1114.3 | 1083.3 | 1067.8 | 1058.5 | 1039.8 | 1025.7 |
| 162.5° | 1133.9 | 1139.7 | 1133.9 | 1128.1 | 1126.6 | 1107.0 | 1080.9 | 1067.8 | 1061.1 | 1047.5 | 1037.3 |
| 165°   | 1117.6 | 1123.7 | 1117.6 | 1111.5 | 1110.0 | 1095.9 | 1077.2 | 1067.8 | 1064.7 | 1058.6 | 1054.1 |
| 167.5° | 1105.9 | 1108.5 | 1105.9 | 1103.3 | 1102.7 | 1093.5 | 1081.3 | 1075.1 | 1072.5 | 1067.3 | 1063.5 |
| 170°   | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1093.5 | 1081.3 | 1075.1 | 1074.9 | 1074.6 | 1074.4 |
| 172.5° | 1094.1 | 1091.8 | 1094.1 | 1096.3 | 1096.9 | 1089.6 | 1080.0 | 1075.1 | 1075.1 | 1075.1 | 1075.1 |
| 175°   | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1084.4 | 1078.2 | 1075.1 | 1076.6 | 1079.5 | 1081.6 |
| 177.5° | 1084.3 | 1081.6 | 1084.3 | 1086.8 | 1087.4 | 1083.8 | 1078.9 | 1076.5 | 1077.6 | 1080.0 | 1081.6 |
| 180°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 |
| 2.5°   | 1985.7 | 1974.6 | 1974.6 | 1956.0 | 1948.6 | 1943.1 | 1933.8 | 1906.0 | 1898.6 | 1891.2 | 1902.3 |
| 5°     | 2002.3 | 1982.0 | 1967.1 | 1933.8 | 1906.0 | 1894.9 | 1859.7 | 1793.0 | 1748.6 | 1715.2 | 1696.7 |
| 7.5°   | 2006.1 | 1980.1 | 1952.3 | 1900.4 | 1833.8 | 1804.1 | 1696.7 | 1574.4 | 1541.1 | 1511.4 | 1492.9 |
| 10°    | 2002.3 | 1972.7 | 1933.8 | 1856.0 | 1698.5 | 1646.7 | 1539.3 | 1459.6 | 1439.3 | 1433.7 | 1439.3 |
| 12.5°  | 1989.3 | 1961.6 | 1907.8 | 1778.2 | 1557.8 | 1522.5 | 1459.6 | 1413.3 | 1409.6 | 1418.9 | 1468.9 |
| 15°    | 1967.1 | 1941.2 | 1878.2 | 1674.4 | 1480.0 | 1454.0 | 1409.6 | 1392.9 | 1413.3 | 1478.1 | 1628.2 |
| 17.5°  | 1944.9 | 1915.2 | 1837.4 | 1572.5 | 1420.7 | 1402.2 | 1370.7 | 1404.0 | 1518.9 | 1605.9 | 1655.9 |
| 20°    | 1915.2 | 1880.1 | 1791.2 | 1498.5 | 1378.1 | 1361.4 | 1346.6 | 1496.7 | 1583.7 | 1615.2 | 1642.9 |
| 22.5°  | 1880.1 | 1843.1 | 1728.2 | 1446.6 | 1333.6 | 1320.6 | 1329.9 | 1548.5 | 1583.7 | 1605.9 | 1630.0 |
| 25°    | 1833.8 | 1802.3 | 1654.1 | 1405.9 | 1298.5 | 1283.6 | 1318.9 | 1542.9 | 1563.3 | 1568.9 | 1617.0 |
| 27.5°  | 1791.2 | 1750.4 | 1576.3 | 1368.9 | 1255.9 | 1250.3 | 1328.1 | 1518.9 | 1533.7 | 1539.3 | 1591.2 |
| 30°    | 1739.3 | 1678.2 | 1489.3 | 1329.9 | 1211.4 | 1209.5 | 1329.9 | 1489.3 | 1485.5 | 1500.4 | 1552.2 |
| 32.5°  | 1685.6 | 1570.8 | 1391.0 | 1281.8 | 1168.8 | 1167.0 | 1317.0 | 1444.8 | 1441.0 | 1461.4 | 1500.4 |
| 35°    | 1635.5 | 1487.4 | 1257.7 | 1226.2 | 1115.1 | 1116.9 | 1285.5 | 1392.9 | 1394.8 | 1413.3 | 1437.4 |
| 37.5°  | 1583.7 | 1415.1 | 1111.4 | 1165.1 | 1063.2 | 1063.2 | 1242.9 | 1344.8 | 1341.0 | 1346.6 | 1379.9 |
| 40°    | 1522.5 | 1302.1 | 981.7  | 1085.5 | 1015.1 | 1009.5 | 1191.0 | 1292.9 | 1279.9 | 1278.1 | 1324.4 |
| 42.5°  | 1457.8 | 1178.0 | 885.4  | 979.9  | 959.5  | 952.1  | 1128.0 | 1229.9 | 1205.9 | 1211.4 | 1270.6 |
| 45°    | 1387.4 | 1144.7 | 811.3  | 828.0  | 902.1  | 896.5  | 1059.5 | 1157.6 | 1141.0 | 1155.9 | 1217.0 |
| 47.5°  | 1317.0 | 1078.0 | 787.2  | 687.2  | 841.0  | 839.1  | 983.6  | 1087.3 | 1078.0 | 1092.9 | 1157.6 |
| 50°    | 1220.6 | 1004.0 | 785.3  | 589.1  | 772.4  | 779.8  | 892.8  | 1018.7 | 1018.7 | 1031.7 | 1100.2 |
| 52.5°  | 1096.5 | 913.2  | 713.1  | 533.4  | 692.7  | 715.0  | 813.2  | 959.5  | 963.2  | 976.1  | 1037.2 |
| 55°    | 983.6  | 818.7  | 661.3  | 490.8  | 598.3  | 646.4  | 735.3  | 898.3  | 905.7  | 918.7  | 974.3  |
| 57.5°  | 879.8  | 681.7  | 650.2  | 440.8  | 511.2  | 557.6  | 666.8  | 839.1  | 842.8  | 853.9  | 907.6  |
| 60°    | 768.7  | 492.7  | 596.4  | 387.2  | 435.3  | 470.4  | 603.8  | 768.7  | 781.7  | 789.1  | 835.3  |
| 62.5°  | 642.7  | 357.5  | 540.8  | 350.0  | 398.3  | 405.7  | 551.9  | 702.1  | 718.7  | 724.2  | 752.1  |
| 65°    | 457.5  | 300.0  | 459.4  | 318.5  | 359.3  | 361.2  | 496.4  | 633.5  | 648.3  | 657.6  | 677.9  |
| 67.5°  | 309.3  | 244.5  | 350.0  | 288.9  | 329.7  | 331.5  | 442.7  | 553.8  | 574.2  | 581.6  | 594.6  |
| 70°    | 214.9  | 163.0  | 259.3  | 257.5  | 296.4  | 300.0  | 385.3  | 481.6  | 500.2  | 505.7  | 513.1  |
| 72.5°  | 157.4  | 131.5  | 214.9  | 231.5  | 261.2  | 264.9  | 326.0  | 400.1  | 418.7  | 424.2  | 427.9  |
| 75°    | 120.4  | 138.9  | 174.1  | 201.9  | 222.3  | 224.1  | 266.8  | 326.0  | 338.9  | 342.7  | 344.5  |
| 77.5°  | 96.3   | 129.6  | 127.8  | 163.0  | 181.5  | 177.8  | 209.3  | 251.9  | 263.0  | 263.0  | 263.0  |
| 80°    | 72.3   | 101.9  | 96.3   | 116.7  | 133.4  | 129.6  | 150.0  | 179.7  | 183.4  | 187.0  | 185.3  |
| 82.5°  | 53.7   | 64.9   | 64.9   | 74.1   | 88.9   | 85.2   | 100.0  | 116.7  | 116.7  | 116.7  | 120.4  |
| 85°    | 33.4   | 37.0   | 29.6   | 38.9   | 50.0   | 48.1   | 55.6   | 63.0   | 64.9   | 64.9   | 61.1   |
| 87.5°  | 20.4   | 16.6   | 9.3    | 14.9   | 22.2   | 22.2   | 25.9   | 27.8   | 25.9   | 25.9   | 25.9   |
| 90°    | 18.9   | 13.1   | 7.3    | 13.1   | 18.9   | 20.3   | 31.9   | 47.4   | 55.1   | 49.0   | 36.7   |
| 92.5°  | 127.8  | 78.4   | 29.1   | 78.4   | 127.8  | 140.1  | 196.9  | 272.7  | 310.7  | 272.3  | 195.5  |
| 95°    | 250.3  | 160.0  | 69.7   | 160.0  | 250.3  | 272.9  | 484.6  | 767.0  | 908.2  | 810.4  | 614.8  |
| 97.5°  | 279.9  | 200.1  | 120.5  | 200.1  | 279.9  | 299.8  | 652.8  | 1123.6 | 1359.0 | 1297.2 | 1173.6 |
| 100°   | 304.2  | 232.0  | 159.7  | 232.0  | 304.2  | 322.3  | 714.0  | 1236.4 | 1497.6 | 1502.1 | 1511.1 |
| 102.5° | 328.0  | 260.5  | 193.1  | 260.5  | 328.0  | 344.8  | 742.2  | 1271.9 | 1536.8 | 1615.5 | 1773.0 |
| 105°   | 363.9  | 306.9  | 249.8  | 306.9  | 363.9  | 378.2  | 762.9  | 1276.0 | 1532.5 | 1708.9 | 2061.9 |
| 107.5° | 414.3  | 361.0  | 307.8  | 361.0  | 414.3  | 427.5  | 766.8  | 1219.1 | 1445.3 | 1691.5 | 2183.8 |
| 110°   | 443.1  | 395.0  | 347.0  | 395.0  | 443.1  | 455.1  | 760.9  | 1168.8 | 1372.7 | 1647.9 | 2198.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 477.1  | 431.3  | 385.5  | 431.3  | 477.1  | 488.6  | 761.2  | 1124.8 | 1306.6 | 1588.3 | 2151.6 |
| 115°   | 528.1  | 485.8  | 443.5  | 485.8  | 528.1  | 538.7  | 768.3  | 1074.4 | 1227.5 | 1498.9 | 2041.6 |
| 117.5° | 577.6  | 539.3  | 500.9  | 539.3  | 577.6  | 587.3  | 782.5  | 1042.9 | 1173.1 | 1417.9 | 1907.7 |
| 120°   | 606.5  | 570.5  | 534.3  | 570.5  | 606.5  | 615.6  | 794.1  | 1032.2 | 1151.3 | 1375.0 | 1822.5 |
| 122.5° | 639.9  | 603.4  | 567.0  | 603.4  | 639.9  | 649.0  | 810.9  | 1026.7 | 1134.6 | 1336.2 | 1739.1 |
| 125°   | 683.5  | 650.3  | 617.0  | 650.3  | 683.5  | 691.8  | 833.4  | 1022.1 | 1116.5 | 1287.7 | 1629.9 |
| 127.5° | 724.8  | 691.2  | 657.7  | 691.2  | 724.8  | 733.2  | 855.9  | 1019.5 | 1101.3 | 1248.2 | 1542.2 |
| 130°   | 751.7  | 715.6  | 679.4  | 715.6  | 751.7  | 760.8  | 872.3  | 1021.0 | 1095.4 | 1226.2 | 1487.9 |
| 132.5° | 774.2  | 738.1  | 702.0  | 738.1  | 774.2  | 783.3  | 885.6  | 1022.1 | 1090.3 | 1207.5 | 1441.7 |
| 135°   | 801.1  | 768.2  | 735.3  | 768.2  | 801.1  | 809.4  | 900.1  | 1021.2 | 1081.6 | 1179.7 | 1375.9 |
| 137.5° | 834.7  | 802.1  | 769.4  | 802.1  | 834.7  | 842.8  | 921.9  | 1027.4 | 1080.1 | 1163.1 | 1328.9 |
| 140°   | 857.8  | 827.8  | 797.8  | 827.8  | 857.8  | 865.3  | 935.2  | 1028.5 | 1075.1 | 1146.7 | 1290.0 |
| 142.5° | 875.1  | 847.3  | 819.6  | 847.3  | 875.1  | 882.0  | 946.4  | 1032.2 | 1075.1 | 1138.0 | 1263.8 |
| 145°   | 901.3  | 877.1  | 852.9  | 877.1  | 901.3  | 907.4  | 960.9  | 1032.2 | 1067.8 | 1119.3 | 1222.2 |
| 147.5° | 933.5  | 909.9  | 886.4  | 909.9  | 933.5  | 939.4  | 982.2  | 1039.3 | 1067.8 | 1108.3 | 1189.3 |
| 150°   | 950.7  | 929.5  | 908.2  | 929.5  | 950.7  | 956.0  | 993.3  | 1042.9 | 1067.8 | 1102.0 | 1170.4 |
| 152.5° | 962.9  | 946.8  | 930.6  | 946.8  | 962.9  | 967.0  | 1000.6 | 1045.4 | 1067.8 | 1097.0 | 1155.4 |
| 155°   | 987.9  | 976.0  | 964.1  | 976.0  | 987.9  | 990.9  | 1016.5 | 1050.7 | 1067.8 | 1091.1 | 1137.5 |
| 157.5° | 1011.9 | 1000.3 | 988.7  | 1000.3 | 1011.9 | 1014.8 | 1032.5 | 1056.0 | 1067.8 | 1085.8 | 1122.0 |
| 160°   | 1023.5 | 1014.4 | 1005.4 | 1014.4 | 1023.5 | 1025.7 | 1039.8 | 1058.5 | 1067.8 | 1083.3 | 1114.3 |
| 162.5° | 1035.7 | 1028.8 | 1022.1 | 1028.8 | 1035.7 | 1037.3 | 1047.5 | 1061.1 | 1067.8 | 1080.9 | 1107.0 |
| 165°   | 1052.6 | 1046.4 | 1040.2 | 1046.4 | 1052.6 | 1054.1 | 1058.6 | 1064.7 | 1067.8 | 1077.2 | 1095.9 |
| 167.5° | 1062.8 | 1059.9 | 1057.0 | 1059.9 | 1062.8 | 1063.5 | 1067.3 | 1072.5 | 1075.1 | 1081.3 | 1093.5 |
| 170°   | 1073.6 | 1070.7 | 1067.8 | 1070.7 | 1073.6 | 1074.4 | 1074.6 | 1074.9 | 1075.1 | 1081.3 | 1093.5 |
| 172.5° | 1074.9 | 1074.3 | 1073.6 | 1074.3 | 1074.9 | 1075.1 | 1075.1 | 1075.1 | 1075.1 | 1080.0 | 1089.6 |
| 175°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1079.5 | 1076.6 | 1075.1 | 1078.2 | 1084.4 |
| 177.5° | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1080.0 | 1077.6 | 1076.5 | 1078.9 | 1083.8 |
| 180°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |



TEST NUMBER: P935641

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 |
| 2.5°   | 1889.3 | 1883.8 | 1891.2 | 1870.8 | 1891.2 | 1883.8 | 1889.3 | 1902.3 | 1891.2 | 1898.6 | 1906.0 |
| 5°     | 1657.8 | 1648.5 | 1618.9 | 1594.8 | 1618.9 | 1648.5 | 1657.8 | 1696.7 | 1715.2 | 1748.6 | 1793.0 |
| 7.5°   | 1481.8 | 1474.4 | 1467.0 | 1452.2 | 1467.0 | 1474.4 | 1481.8 | 1492.9 | 1511.4 | 1541.1 | 1574.4 |
| 10°    | 1442.9 | 1444.8 | 1455.9 | 1454.0 | 1455.9 | 1444.8 | 1442.9 | 1439.3 | 1433.7 | 1439.3 | 1459.6 |
| 12.5°  | 1542.9 | 1559.7 | 1620.8 | 1617.0 | 1620.8 | 1559.7 | 1542.9 | 1468.9 | 1418.9 | 1409.6 | 1413.3 |
| 15°    | 1657.8 | 1663.3 | 1676.3 | 1678.2 | 1676.3 | 1663.3 | 1657.8 | 1628.2 | 1478.1 | 1413.3 | 1392.9 |
| 17.5°  | 1668.9 | 1670.8 | 1680.0 | 1680.0 | 1680.0 | 1670.8 | 1668.9 | 1655.9 | 1605.9 | 1518.9 | 1404.0 |
| 20°    | 1659.7 | 1663.3 | 1681.9 | 1685.6 | 1681.9 | 1663.3 | 1659.7 | 1642.9 | 1615.2 | 1583.7 | 1496.7 |
| 22.5°  | 1655.9 | 1663.3 | 1678.2 | 1676.3 | 1678.2 | 1663.3 | 1655.9 | 1630.0 | 1605.9 | 1583.7 | 1548.5 |
| 25°    | 1637.4 | 1637.4 | 1639.3 | 1641.2 | 1639.3 | 1637.4 | 1637.4 | 1617.0 | 1568.9 | 1563.3 | 1542.9 |
| 27.5°  | 1598.5 | 1602.2 | 1613.3 | 1611.5 | 1613.3 | 1602.2 | 1598.5 | 1591.2 | 1539.3 | 1533.7 | 1518.9 |
| 30°    | 1563.3 | 1559.7 | 1550.4 | 1542.9 | 1550.4 | 1559.7 | 1563.3 | 1552.2 | 1500.4 | 1485.5 | 1489.3 |
| 32.5°  | 1504.0 | 1494.8 | 1485.5 | 1480.0 | 1485.5 | 1494.8 | 1504.0 | 1500.4 | 1461.4 | 1441.0 | 1444.8 |
| 35°    | 1433.7 | 1435.5 | 1433.7 | 1428.1 | 1433.7 | 1435.5 | 1433.7 | 1437.4 | 1413.3 | 1394.8 | 1392.9 |
| 37.5°  | 1383.6 | 1387.4 | 1385.5 | 1378.1 | 1385.5 | 1387.4 | 1383.6 | 1379.9 | 1346.6 | 1341.0 | 1344.8 |
| 40°    | 1331.8 | 1333.6 | 1331.8 | 1326.3 | 1331.8 | 1333.6 | 1331.8 | 1324.4 | 1278.1 | 1279.9 | 1292.9 |
| 42.5°  | 1281.8 | 1279.9 | 1274.4 | 1270.6 | 1274.4 | 1279.9 | 1281.8 | 1270.6 | 1211.4 | 1205.9 | 1229.9 |
| 45°    | 1224.4 | 1226.2 | 1215.1 | 1209.5 | 1215.1 | 1226.2 | 1224.4 | 1217.0 | 1155.9 | 1141.0 | 1157.6 |
| 47.5°  | 1167.0 | 1167.0 | 1157.6 | 1152.1 | 1157.6 | 1167.0 | 1167.0 | 1157.6 | 1092.9 | 1078.0 | 1087.3 |
| 50°    | 1105.9 | 1104.0 | 1091.0 | 1089.1 | 1091.0 | 1104.0 | 1105.9 | 1100.2 | 1031.7 | 1018.7 | 1018.7 |
| 52.5°  | 1035.5 | 1035.5 | 1037.2 | 1041.0 | 1037.2 | 1035.5 | 1035.5 | 1037.2 | 976.1  | 963.2  | 959.5  |
| 55°    | 974.3  | 976.1  | 989.1  | 992.8  | 989.1  | 976.1  | 974.3  | 974.3  | 918.7  | 905.7  | 898.3  |
| 57.5°  | 911.3  | 911.3  | 920.6  | 920.6  | 920.6  | 911.3  | 911.3  | 907.6  | 853.9  | 842.8  | 839.1  |
| 60°    | 839.1  | 842.8  | 850.2  | 848.3  | 850.2  | 842.8  | 839.1  | 835.3  | 789.1  | 781.7  | 768.7  |
| 62.5°  | 763.1  | 766.8  | 768.7  | 765.0  | 768.7  | 766.8  | 763.1  | 752.1  | 724.2  | 718.7  | 702.1  |
| 65°    | 683.5  | 687.2  | 689.1  | 685.3  | 689.1  | 687.2  | 683.5  | 677.9  | 657.6  | 648.3  | 633.5  |
| 67.5°  | 602.0  | 600.2  | 598.3  | 605.7  | 598.3  | 600.2  | 602.0  | 594.6  | 581.6  | 574.2  | 553.8  |
| 70°    | 518.7  | 518.7  | 516.8  | 520.4  | 516.8  | 518.7  | 518.7  | 513.1  | 505.7  | 500.2  | 481.6  |
| 72.5°  | 429.7  | 427.9  | 435.3  | 429.7  | 435.3  | 427.9  | 429.7  | 427.9  | 424.2  | 418.7  | 400.1  |
| 75°    | 342.7  | 346.4  | 342.7  | 348.3  | 342.7  | 346.4  | 342.7  | 344.5  | 342.7  | 338.9  | 326.0  |
| 77.5°  | 261.2  | 264.9  | 261.2  | 261.2  | 261.2  | 264.9  | 261.2  | 263.0  | 263.0  | 263.0  | 251.9  |
| 80°    | 185.3  | 183.4  | 183.4  | 181.5  | 183.4  | 183.4  | 185.3  | 185.3  | 187.0  | 183.4  | 179.7  |
| 82.5°  | 118.5  | 116.7  | 116.7  | 120.4  | 116.7  | 116.7  | 118.5  | 120.4  | 116.7  | 116.7  | 116.7  |
| 85°    | 64.9   | 66.6   | 63.0   | 63.0   | 63.0   | 66.6   | 64.9   | 61.1   | 64.9   | 64.9   | 63.0   |
| 87.5°  | 24.1   | 22.2   | 22.2   | 22.2   | 22.2   | 22.2   | 24.1   | 25.9   | 25.9   | 25.9   | 27.8   |
| 90°    | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   | 36.7   | 49.0   | 55.1   | 47.4   |
| 92.5°  | 138.0  | 132.4  | 110.5  | 88.5   | 110.5  | 132.4  | 138.0  | 195.5  | 272.3  | 310.7  | 272.7  |
| 95°    | 468.2  | 451.6  | 385.1  | 318.6  | 385.1  | 451.6  | 468.2  | 614.8  | 810.4  | 908.2  | 767.0  |
| 97.5°  | 1080.9 | 1049.3 | 922.8  | 796.4  | 922.8  | 1049.3 | 1080.9 | 1173.6 | 1297.2 | 1359.0 | 1123.6 |
| 100°   | 1517.9 | 1480.2 | 1329.6 | 1178.9 | 1329.6 | 1480.2 | 1517.9 | 1511.1 | 1502.1 | 1497.6 | 1236.4 |
| 102.5° | 1891.0 | 1858.8 | 1729.7 | 1600.7 | 1729.7 | 1858.8 | 1891.0 | 1773.0 | 1615.5 | 1536.8 | 1271.9 |
| 105°   | 2326.6 | 2309.2 | 2239.8 | 2170.5 | 2239.8 | 2309.2 | 2326.6 | 2061.9 | 1708.9 | 1532.5 | 1276.0 |
| 107.5° | 2553.1 | 2557.3 | 2574.0 | 2590.8 | 2574.0 | 2557.3 | 2553.1 | 2183.8 | 1691.5 | 1445.3 | 1219.1 |
| 110°   | 2611.2 | 2629.2 | 2701.5 | 2773.7 | 2701.5 | 2629.2 | 2611.2 | 2198.3 | 1647.9 | 1372.7 | 1168.8 |



TEST NUMBER: P935641

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2574.1 | 2601.8 | 2712.8 | 2823.8 | 2712.8 | 2601.8 | 2574.1 | 2151.6 | 1588.3 | 1306.6 | 1124.8 |
| 115°   | 2448.6 | 2487.1 | 2640.9 | 2794.8 | 2640.9 | 2487.1 | 2448.6 | 2041.6 | 1498.9 | 1227.5 | 1074.4 |
| 117.5° | 2275.1 | 2317.7 | 2488.4 | 2659.1 | 2488.4 | 2317.7 | 2275.1 | 1907.7 | 1417.9 | 1173.1 | 1042.9 |
| 120°   | 2158.1 | 2199.6 | 2365.5 | 2531.3 | 2365.5 | 2199.6 | 2158.1 | 1822.5 | 1375.0 | 1151.3 | 1032.2 |
| 122.5° | 2041.3 | 2082.2 | 2245.7 | 2409.3 | 2245.7 | 2082.2 | 2041.3 | 1739.1 | 1336.2 | 1134.6 | 1026.7 |
| 125°   | 1886.7 | 1924.4 | 2075.0 | 2225.7 | 2075.0 | 1924.4 | 1886.7 | 1629.9 | 1287.7 | 1116.5 | 1022.1 |
| 127.5° | 1762.6 | 1794.4 | 1921.5 | 2048.6 | 1921.5 | 1794.4 | 1762.6 | 1542.2 | 1248.2 | 1101.3 | 1019.5 |
| 130°   | 1684.2 | 1713.5 | 1831.0 | 1948.4 | 1831.0 | 1713.5 | 1684.2 | 1487.9 | 1226.2 | 1095.4 | 1021.0 |
| 132.5° | 1617.3 | 1643.6 | 1748.8 | 1854.0 | 1748.8 | 1643.6 | 1617.3 | 1441.7 | 1207.5 | 1090.3 | 1022.1 |
| 135°   | 1523.0 | 1545.6 | 1636.3 | 1727.0 | 1636.3 | 1545.6 | 1523.0 | 1375.9 | 1179.7 | 1081.6 | 1021.2 |
| 137.5° | 1453.3 | 1471.8 | 1546.0 | 1620.2 | 1546.0 | 1471.8 | 1453.3 | 1328.9 | 1163.1 | 1080.1 | 1027.4 |
| 140°   | 1397.4 | 1414.8 | 1484.1 | 1553.5 | 1484.1 | 1414.8 | 1397.4 | 1290.0 | 1146.7 | 1075.1 | 1028.5 |
| 142.5° | 1358.2 | 1373.2 | 1432.8 | 1492.5 | 1432.8 | 1373.2 | 1358.2 | 1263.8 | 1138.0 | 1075.1 | 1032.2 |
| 145°   | 1299.4 | 1310.7 | 1355.9 | 1401.0 | 1355.9 | 1310.7 | 1299.4 | 1222.2 | 1119.3 | 1067.8 | 1032.2 |
| 147.5° | 1250.1 | 1259.4 | 1296.9 | 1334.3 | 1296.9 | 1259.4 | 1250.1 | 1189.3 | 1108.3 | 1067.8 | 1039.3 |
| 150°   | 1221.8 | 1229.3 | 1259.7 | 1290.0 | 1259.7 | 1229.3 | 1221.8 | 1170.4 | 1102.0 | 1067.8 | 1042.9 |
| 152.5° | 1199.2 | 1204.9 | 1227.8 | 1250.7 | 1227.8 | 1204.9 | 1199.2 | 1155.4 | 1097.0 | 1067.8 | 1045.4 |
| 155°   | 1172.4 | 1176.2 | 1191.4 | 1206.5 | 1191.4 | 1176.2 | 1172.4 | 1137.5 | 1091.1 | 1067.8 | 1050.7 |
| 157.5° | 1149.1 | 1151.7 | 1162.4 | 1173.1 | 1162.4 | 1151.7 | 1149.1 | 1122.0 | 1085.8 | 1067.8 | 1056.0 |
| 160°   | 1137.5 | 1139.0 | 1145.2 | 1151.3 | 1145.2 | 1139.0 | 1137.5 | 1114.3 | 1083.3 | 1067.8 | 1058.5 |
| 162.5° | 1126.6 | 1128.1 | 1133.9 | 1139.7 | 1133.9 | 1128.1 | 1126.6 | 1107.0 | 1080.9 | 1067.8 | 1061.1 |
| 165°   | 1110.0 | 1111.5 | 1117.6 | 1123.7 | 1117.6 | 1111.5 | 1110.0 | 1095.9 | 1077.2 | 1067.8 | 1064.7 |
| 167.5° | 1102.7 | 1103.3 | 1105.9 | 1108.5 | 1105.9 | 1103.3 | 1102.7 | 1093.5 | 1081.3 | 1075.1 | 1072.5 |
| 170°   | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1102.7 | 1093.5 | 1081.3 | 1075.1 | 1074.9 |
| 172.5° | 1096.9 | 1096.3 | 1094.1 | 1091.8 | 1094.1 | 1096.3 | 1096.9 | 1089.6 | 1080.0 | 1075.1 | 1075.1 |
| 175°   | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1088.9 | 1084.4 | 1078.2 | 1075.1 | 1076.6 |
| 177.5° | 1087.4 | 1086.8 | 1084.3 | 1081.6 | 1084.3 | 1086.8 | 1087.4 | 1083.8 | 1078.9 | 1076.5 | 1077.6 |
| 180°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |



TEST NUMBER: P935641

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1957.8 | 1957.8 | 1957.8 | 1957.8 | 1957.8 |
| 2.5°   | 1933.8 | 1943.1 | 1948.6 | 1956.0 | 1974.6 |
| 5°     | 1859.7 | 1894.9 | 1906.0 | 1933.8 | 1967.1 |
| 7.5°   | 1696.7 | 1804.1 | 1833.8 | 1900.4 | 1952.3 |
| 10°    | 1539.3 | 1646.7 | 1698.5 | 1856.0 | 1933.8 |
| 12.5°  | 1459.6 | 1522.5 | 1557.8 | 1778.2 | 1907.8 |
| 15°    | 1409.6 | 1454.0 | 1480.0 | 1674.4 | 1878.2 |
| 17.5°  | 1370.7 | 1402.2 | 1420.7 | 1572.5 | 1837.4 |
| 20°    | 1346.6 | 1361.4 | 1378.1 | 1498.5 | 1791.2 |
| 22.5°  | 1329.9 | 1320.6 | 1333.6 | 1446.6 | 1728.2 |
| 25°    | 1318.9 | 1283.6 | 1298.5 | 1405.9 | 1654.1 |
| 27.5°  | 1328.1 | 1250.3 | 1255.9 | 1368.9 | 1576.3 |
| 30°    | 1329.9 | 1209.5 | 1211.4 | 1329.9 | 1489.3 |
| 32.5°  | 1317.0 | 1167.0 | 1168.8 | 1281.8 | 1391.0 |
| 35°    | 1285.5 | 1116.9 | 1115.1 | 1226.2 | 1257.7 |
| 37.5°  | 1242.9 | 1063.2 | 1063.2 | 1165.1 | 1111.4 |
| 40°    | 1191.0 | 1009.5 | 1015.1 | 1085.5 | 981.7  |
| 42.5°  | 1128.0 | 952.1  | 959.5  | 979.9  | 885.4  |
| 45°    | 1059.5 | 896.5  | 902.1  | 828.0  | 811.3  |
| 47.5°  | 983.6  | 839.1  | 841.0  | 687.2  | 787.2  |
| 50°    | 892.8  | 779.8  | 772.4  | 589.1  | 785.3  |
| 52.5°  | 813.2  | 715.0  | 692.7  | 533.4  | 713.1  |
| 55°    | 735.3  | 646.4  | 598.3  | 490.8  | 661.3  |
| 57.5°  | 666.8  | 557.6  | 511.2  | 440.8  | 650.2  |
| 60°    | 603.8  | 470.4  | 435.3  | 387.2  | 596.4  |
| 62.5°  | 551.9  | 405.7  | 398.3  | 350.0  | 540.8  |
| 65°    | 496.4  | 361.2  | 359.3  | 318.5  | 459.4  |
| 67.5°  | 442.7  | 331.5  | 329.7  | 288.9  | 350.0  |
| 70°    | 385.3  | 300.0  | 296.4  | 257.5  | 259.3  |
| 72.5°  | 326.0  | 264.9  | 261.2  | 231.5  | 214.9  |
| 75°    | 266.8  | 224.1  | 222.3  | 201.9  | 174.1  |
| 77.5°  | 209.3  | 177.8  | 181.5  | 163.0  | 127.8  |
| 80°    | 150.0  | 129.6  | 133.4  | 116.7  | 96.3   |
| 82.5°  | 100.0  | 85.2   | 88.9   | 74.1   | 64.9   |
| 85°    | 55.6   | 48.1   | 50.0   | 38.9   | 29.6   |
| 87.5°  | 25.9   | 22.2   | 22.2   | 14.9   | 9.3    |
| 90°    | 31.9   | 20.3   | 18.9   | 13.1   | 7.3    |
| 92.5°  | 196.9  | 140.1  | 127.8  | 78.4   | 29.1   |
| 95°    | 484.6  | 272.9  | 250.3  | 160.0  | 69.7   |
| 97.5°  | 652.8  | 299.8  | 279.9  | 200.1  | 120.5  |
| 100°   | 714.0  | 322.3  | 304.2  | 232.0  | 159.7  |
| 102.5° | 742.2  | 344.8  | 328.0  | 260.5  | 193.1  |
| 105°   | 762.9  | 378.2  | 363.9  | 306.9  | 249.8  |
| 107.5° | 766.8  | 427.5  | 414.3  | 361.0  | 307.8  |
| 110°   | 760.9  | 455.1  | 443.1  | 395.0  | 347.0  |



TEST NUMBER: P935641

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 761.2  | 488.6  | 477.1  | 431.3  | 385.5  |
| 115°   | 768.3  | 538.7  | 528.1  | 485.8  | 443.5  |
| 117.5° | 782.5  | 587.3  | 577.6  | 539.3  | 500.9  |
| 120°   | 794.1  | 615.6  | 606.5  | 570.5  | 534.3  |
| 122.5° | 810.9  | 649.0  | 639.9  | 603.4  | 567.0  |
| 125°   | 833.4  | 691.8  | 683.5  | 650.3  | 617.0  |
| 127.5° | 855.9  | 733.2  | 724.8  | 691.2  | 657.7  |
| 130°   | 872.3  | 760.8  | 751.7  | 715.6  | 679.4  |
| 132.5° | 885.6  | 783.3  | 774.2  | 738.1  | 702.0  |
| 135°   | 900.1  | 809.4  | 801.1  | 768.2  | 735.3  |
| 137.5° | 921.9  | 842.8  | 834.7  | 802.1  | 769.4  |
| 140°   | 935.2  | 865.3  | 857.8  | 827.8  | 797.8  |
| 142.5° | 946.4  | 882.0  | 875.1  | 847.3  | 819.6  |
| 145°   | 960.9  | 907.4  | 901.3  | 877.1  | 852.9  |
| 147.5° | 982.2  | 939.4  | 933.5  | 909.9  | 886.4  |
| 150°   | 993.3  | 956.0  | 950.7  | 929.5  | 908.2  |
| 152.5° | 1000.6 | 967.0  | 962.9  | 946.8  | 930.6  |
| 155°   | 1016.5 | 990.9  | 987.9  | 976.0  | 964.1  |
| 157.5° | 1032.5 | 1014.8 | 1011.9 | 1000.3 | 988.7  |
| 160°   | 1039.8 | 1025.7 | 1023.5 | 1014.4 | 1005.4 |
| 162.5° | 1047.5 | 1037.3 | 1035.7 | 1028.8 | 1022.1 |
| 165°   | 1058.6 | 1054.1 | 1052.6 | 1046.4 | 1040.2 |
| 167.5° | 1067.3 | 1063.5 | 1062.8 | 1059.9 | 1057.0 |
| 170°   | 1074.6 | 1074.4 | 1073.6 | 1070.7 | 1067.8 |
| 172.5° | 1075.1 | 1075.1 | 1074.9 | 1074.3 | 1073.6 |
| 175°   | 1079.5 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |
| 177.5° | 1080.0 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |
| 180°   | 1081.6 | 1081.6 | 1081.6 | 1081.6 | 1081.6 |



TEST NUMBER: P935641  
 CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-6-5000K

**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 | 12.68            | 13.48 | 13.70 | 14.51 | 15.89 | 15.51          | 16.30 | 16.53 | 17.33 | 18.71 |
|                 | 3H   | 13.15            | 13.86 | 14.19 | 14.90 | 16.31 | 16.85          | 17.56 | 17.88 | 18.60 | 20.00 |
|                 | 4H   | 13.34            | 14.02 | 14.39 | 15.06 | 16.47 | 17.28          | 17.96 | 18.33 | 19.00 | 20.41 |
|                 | 6H   | 13.46            | 14.08 | 14.51 | 15.12 | 16.54 | 17.56          | 18.19 | 18.62 | 19.23 | 20.65 |
|                 | 8H   | 13.46            | 14.05 | 14.52 | 15.11 | 16.52 | 17.64          | 18.23 | 18.70 | 19.29 | 20.70 |
|                 | 12H  | 13.43            | 13.99 | 14.49 | 15.04 | 16.48 | 17.67          | 18.23 | 18.74 | 19.29 | 20.73 |
| 4H              | 2H   | 13.70            | 14.38 | 14.76 | 15.42 | 16.83 | 15.91          | 16.58 | 16.96 | 17.62 | 19.03 |
|                 | 3H   | 14.73            | 15.29 | 15.79 | 16.36 | 17.78 | 17.41          | 17.97 | 18.47 | 19.04 | 20.46 |
|                 | 4H   | 15.00            | 15.51 | 16.07 | 16.57 | 18.02 | 17.93          | 18.44 | 19.00 | 19.50 | 20.95 |
|                 | 6H   | 15.12            | 15.56 | 16.20 | 16.65 | 18.08 | 18.29          | 18.73 | 19.36 | 19.82 | 21.25 |
|                 | 8H   | 15.12            | 15.54 | 16.20 | 16.61 | 18.07 | 18.39          | 18.81 | 19.47 | 19.88 | 21.34 |
|                 | 12H  | 15.09            | 15.46 | 16.18 | 16.55 | 18.01 | 18.45          | 18.82 | 19.54 | 19.91 | 21.37 |
| 8H              | 4H   | 15.45            | 15.86 | 16.52 | 16.94 | 18.39 | 18.05          | 18.46 | 19.12 | 19.54 | 20.99 |
|                 | 6H   | 15.70            | 16.05 | 16.80 | 17.16 | 18.61 | 18.48          | 18.82 | 19.58 | 19.94 | 21.39 |
|                 | 8H   | 15.75            | 16.05 | 16.85 | 17.15 | 18.62 | 18.63          | 18.93 | 19.74 | 20.03 | 21.50 |
|                 | 12H  | 15.73            | 15.99 | 16.84 | 17.09 | 18.60 | 18.73          | 18.99 | 19.83 | 20.09 | 21.59 |
| 12H             | 4H   | 15.45            | 15.82 | 16.54 | 16.91 | 18.37 | 18.01          | 18.38 | 19.10 | 19.47 | 20.93 |
|                 | 6H   | 15.77            | 16.06 | 16.87 | 17.17 | 18.64 | 18.48          | 18.78 | 19.58 | 19.88 | 21.35 |
|                 | 8H   | 15.83            | 16.09 | 16.94 | 17.19 | 18.70 | 18.63          | 18.90 | 19.74 | 19.99 | 21.50 |