

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: P935806

Luminaire Tested: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935806
REPORT IS A COMBINATION OF REPORTS P933766 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

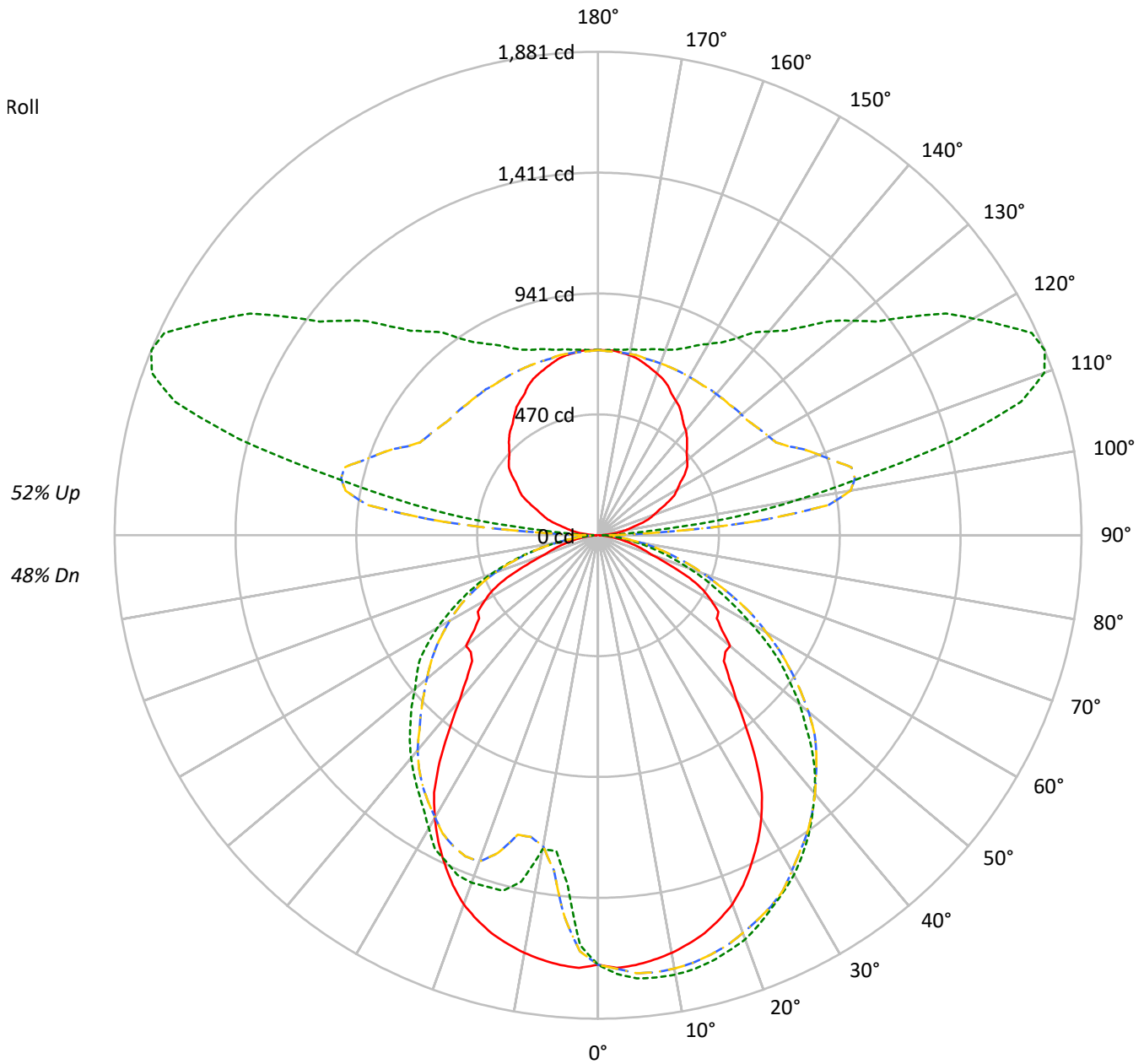
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9005.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935806
CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

Luminous Intensity Polar Plot



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



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.8 | 1.7 |
| 10°-20° | 428.2 | 4.8 |
| 20°-30° | 661.9 | 7.3 |
| 30°-40° | 790.2 | 8.8 |
| 40°-50° | 794.8 | 8.8 |
| 50°-60° | 691.6 | 7.7 |
| 60°-70° | 490.3 | 5.4 |
| 70°-80° | 259.4 | 2.9 |
| 80°-90° | 67.4 | 0.7 |
| 90°-100° | 351.2 | 3.9 |
| 100°-110° | 923.4 | 10.3 |
| 110°-120° | 957.5 | 10.6 |
| 120°-130° | 768.0 | 8.5 |
| 130°-140° | 602.6 | 6.7 |
| 140°-150° | 462.5 | 5.1 |
| 150°-160° | 333.1 | 3.7 |
| 160°-170° | 203.8 | 2.3 |
| 170°-180° | 68.9 | 0.8 |
| 0°-30° | 1240.9 | 13.8 |
| 0°-40° | 2031.1 | 22.6 |
| 0°-60° | 3517.5 | 39.1 |
| 0°-90° | 4334.6 | 48.1 |
| 90°-120° | 2232.1 | 24.8 |
| 90°-150° | 4065.2 | 45.1 |
| 90°-180° | 4671.0 | 51.9 |
| 0°-180° | 9005.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1671 | 1671 | 1671 | 1671 | 1671 | |
| 5° | 1679 | 1731 | 1679 | 1361 | 1679 | 159 |
| 15° | 1603 | 1715 | 1603 | 1432 | 1603 | 451 |
| 25° | 1412 | 1600 | 1412 | 1400 | 1412 | 648 |
| 35° | 1073 | 1427 | 1073 | 1219 | 1073 | 664 |
| 45° | 692 | 1176 | 692 | 1032 | 692 | 555 |
| 55° | 564 | 868 | 564 | 847 | 564 | 519 |
| 65° | 392 | 523 | 392 | 585 | 392 | 375 |
| 75° | 149 | 248 | 149 | 297 | 149 | 156 |
| 85° | 25 | 63 | 25 | 54 | 25 | 34 |
| 90° | 5 | 18 | 5 | 18 | 5 | 5 |
| 95° | 46 | 212 | 46 | 212 | 46 | 52 |
| 105° | 166 | 1446 | 166 | 1446 | 166 | 176 |
| 115° | 295 | 1862 | 295 | 1862 | 295 | 292 |
| 125° | 411 | 1483 | 411 | 1483 | 411 | 365 |
| 135° | 490 | 1150 | 490 | 1150 | 490 | 379 |
| 145° | 568 | 933 | 568 | 933 | 568 | 356 |
| 155° | 642 | 804 | 642 | 804 | 642 | 295 |
| 165° | 693 | 749 | 693 | 749 | 693 | 196 |
| 175° | 721 | 725 | 721 | 725 | 721 | 68 |
| 180° | 721 | 721 | 721 | 721 | 721 | |



TEST NUMBER: P935806
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 |
| 2.5° | 1684.9 | 1684.9 | 1694.5 | 1697.6 | 1697.6 | 1692.9 | 1688.1 | 1692.9 | 1707.1 | 1711.8 | 1710.2 |
| 5° | 1678.6 | 1691.3 | 1708.7 | 1711.8 | 1715.0 | 1713.4 | 1710.2 | 1713.4 | 1729.2 | 1732.4 | 1734.0 |
| 7.5° | 1666.0 | 1689.7 | 1711.8 | 1716.6 | 1721.3 | 1716.6 | 1715.0 | 1718.2 | 1734.0 | 1737.1 | 1737.1 |
| 10° | 1650.2 | 1683.3 | 1708.7 | 1711.8 | 1716.6 | 1711.8 | 1711.8 | 1718.2 | 1734.0 | 1737.1 | 1738.7 |
| 12.5° | 1628.1 | 1673.9 | 1697.6 | 1700.7 | 1707.1 | 1705.5 | 1703.9 | 1710.2 | 1726.0 | 1729.2 | 1729.2 |
| 15° | 1602.7 | 1656.5 | 1678.6 | 1681.8 | 1692.9 | 1689.7 | 1689.7 | 1696.1 | 1713.4 | 1718.2 | 1716.6 |
| 17.5° | 1568.0 | 1634.4 | 1659.6 | 1664.4 | 1672.3 | 1670.7 | 1672.3 | 1678.6 | 1694.5 | 1697.6 | 1699.1 |
| 20° | 1528.5 | 1604.3 | 1634.4 | 1639.1 | 1647.0 | 1647.0 | 1647.0 | 1655.0 | 1670.7 | 1677.1 | 1677.1 |
| 22.5° | 1474.7 | 1572.8 | 1604.3 | 1607.5 | 1616.9 | 1616.9 | 1620.1 | 1631.2 | 1645.4 | 1647.0 | 1647.0 |
| 25° | 1411.5 | 1537.9 | 1564.8 | 1574.4 | 1583.8 | 1588.5 | 1593.3 | 1599.6 | 1604.3 | 1602.7 | 1604.3 |
| 27.5° | 1345.1 | 1493.7 | 1528.5 | 1534.7 | 1547.5 | 1552.2 | 1558.5 | 1560.1 | 1561.6 | 1566.4 | 1563.2 |
| 30° | 1270.8 | 1432.0 | 1484.2 | 1490.6 | 1511.1 | 1514.2 | 1507.9 | 1511.1 | 1519.0 | 1522.1 | 1525.3 |
| 32.5° | 1187.0 | 1340.4 | 1438.4 | 1452.6 | 1471.6 | 1462.1 | 1460.5 | 1465.3 | 1477.9 | 1477.9 | 1481.0 |
| 35° | 1073.3 | 1269.2 | 1395.7 | 1408.4 | 1422.6 | 1411.5 | 1417.8 | 1419.4 | 1427.3 | 1432.0 | 1430.5 |
| 37.5° | 948.4 | 1207.6 | 1351.4 | 1360.9 | 1372.0 | 1357.8 | 1367.3 | 1372.0 | 1378.3 | 1375.1 | 1375.1 |
| 40° | 837.7 | 1111.2 | 1299.3 | 1305.6 | 1315.1 | 1304.1 | 1313.5 | 1316.7 | 1319.8 | 1316.7 | 1315.1 |
| 42.5° | 755.5 | 1005.3 | 1244.0 | 1251.8 | 1245.5 | 1253.4 | 1256.6 | 1263.0 | 1258.2 | 1251.8 | 1251.8 |
| 45° | 692.3 | 976.9 | 1183.8 | 1193.4 | 1183.8 | 1196.5 | 1201.3 | 1201.3 | 1187.0 | 1183.8 | 1182.4 |
| 47.5° | 671.7 | 919.9 | 1123.8 | 1123.8 | 1119.1 | 1134.9 | 1142.7 | 1131.7 | 1117.5 | 1112.8 | 1112.8 |
| 50° | 670.1 | 856.7 | 1041.6 | 1035.3 | 1057.5 | 1076.4 | 1068.5 | 1057.5 | 1046.4 | 1029.0 | 1029.0 |
| 52.5° | 608.5 | 779.2 | 935.8 | 959.4 | 994.2 | 1005.3 | 992.7 | 981.5 | 962.6 | 954.7 | 948.4 |
| 55° | 564.3 | 698.6 | 839.3 | 886.7 | 923.1 | 937.3 | 913.6 | 902.5 | 874.1 | 869.4 | 866.2 |
| 57.5° | 554.8 | 581.7 | 750.8 | 810.9 | 855.1 | 853.6 | 839.3 | 818.7 | 795.0 | 790.4 | 788.8 |
| 60° | 508.9 | 420.5 | 655.9 | 727.1 | 772.9 | 768.2 | 755.5 | 736.6 | 714.4 | 711.2 | 708.2 |
| 62.5° | 461.6 | 305.0 | 548.4 | 629.0 | 693.9 | 692.3 | 681.3 | 652.8 | 637.0 | 629.0 | 622.8 |
| 65° | 392.0 | 256.1 | 390.4 | 523.2 | 616.4 | 619.6 | 595.9 | 575.3 | 558.0 | 548.4 | 546.9 |
| 67.5° | 298.7 | 208.7 | 263.9 | 436.3 | 542.2 | 539.0 | 508.9 | 499.5 | 477.4 | 472.6 | 463.2 |
| 70° | 221.3 | 139.1 | 183.3 | 354.1 | 469.4 | 461.6 | 437.9 | 426.7 | 406.2 | 395.2 | 388.8 |
| 72.5° | 183.3 | 112.3 | 134.3 | 275.1 | 395.2 | 385.6 | 365.1 | 352.5 | 335.1 | 325.6 | 319.2 |
| 75° | 148.6 | 118.5 | 102.7 | 203.9 | 320.8 | 314.6 | 295.6 | 282.9 | 268.7 | 256.1 | 257.6 |
| 77.5° | 109.1 | 110.7 | 82.2 | 150.2 | 254.5 | 245.0 | 234.0 | 218.1 | 211.8 | 199.1 | 199.1 |
| 80° | 82.2 | 87.0 | 61.6 | 102.7 | 183.3 | 183.3 | 173.9 | 162.8 | 151.8 | 145.4 | 145.4 |
| 82.5° | 55.3 | 55.3 | 45.9 | 64.8 | 124.9 | 120.1 | 113.8 | 110.7 | 104.3 | 101.2 | 101.2 |
| 85° | 25.3 | 31.6 | 28.5 | 39.5 | 68.0 | 71.2 | 71.2 | 68.0 | 66.4 | 63.2 | 64.8 |
| 87.5° | 7.9 | 14.2 | 17.4 | 22.1 | 34.7 | 36.3 | 37.9 | 37.9 | 37.9 | 39.5 | 39.5 |
| 90° | 4.9 | 8.7 | 12.6 | 13.5 | 21.3 | 31.6 | 36.7 | 32.6 | 24.5 | 18.4 | 18.4 |
| 92.5° | 19.3 | 52.2 | 85.1 | 93.3 | 131.2 | 181.8 | 207.0 | 181.4 | 130.3 | 91.9 | 88.3 |
| 95° | 46.4 | 106.6 | 166.8 | 181.8 | 322.9 | 510.9 | 605.0 | 539.9 | 409.7 | 312.0 | 300.8 |
| 97.5° | 80.2 | 133.3 | 186.4 | 199.7 | 434.9 | 748.4 | 905.2 | 864.0 | 781.8 | 720.0 | 699.0 |
| 100° | 106.4 | 154.6 | 202.7 | 214.7 | 475.7 | 823.6 | 997.6 | 1000.6 | 1006.7 | 1011.1 | 986.0 |
| 102.5° | 128.6 | 173.5 | 218.5 | 229.7 | 494.4 | 847.3 | 1023.8 | 1076.2 | 1181.1 | 1259.8 | 1238.3 |
| 105° | 166.3 | 204.5 | 242.5 | 252.0 | 508.3 | 850.0 | 1020.9 | 1138.5 | 1373.5 | 1549.9 | 1538.3 |
| 107.5° | 205.0 | 240.5 | 276.0 | 284.9 | 510.9 | 812.2 | 962.9 | 1126.9 | 1454.8 | 1700.7 | 1703.5 |
| 110° | 231.2 | 263.2 | 295.1 | 303.2 | 507.0 | 778.7 | 914.5 | 1097.8 | 1464.5 | 1739.5 | 1751.5 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 256.8 | 287.3 | 317.7 | 325.4 | 507.1 | 749.3 | 870.5 | 1058.1 | 1433.4 | 1714.8 | 1733.3 |
| 115° | 295.4 | 323.6 | 351.8 | 358.8 | 511.8 | 715.7 | 817.7 | 998.4 | 1360.0 | 1631.1 | 1656.7 |
| 117.5° | 333.7 | 359.3 | 384.9 | 391.3 | 521.4 | 694.8 | 781.5 | 944.6 | 1270.8 | 1515.5 | 1543.9 |
| 120° | 355.9 | 380.0 | 404.1 | 410.1 | 529.1 | 687.7 | 767.0 | 916.1 | 1214.1 | 1437.7 | 1465.4 |
| 122.5° | 377.7 | 402.0 | 426.3 | 432.3 | 540.2 | 684.0 | 755.9 | 890.1 | 1158.5 | 1359.8 | 1387.1 |
| 125° | 411.1 | 433.2 | 455.3 | 460.8 | 555.2 | 680.9 | 743.7 | 857.8 | 1085.8 | 1256.8 | 1281.9 |
| 127.5° | 438.1 | 460.5 | 482.8 | 488.4 | 570.1 | 679.1 | 733.6 | 831.4 | 1027.3 | 1174.1 | 1195.3 |
| 130° | 452.6 | 476.7 | 500.8 | 506.8 | 581.1 | 680.2 | 729.7 | 816.9 | 991.2 | 1121.9 | 1141.4 |
| 132.5° | 467.7 | 491.8 | 515.8 | 521.8 | 590.0 | 680.9 | 726.4 | 804.4 | 960.4 | 1077.5 | 1094.9 |
| 135° | 489.9 | 511.8 | 533.7 | 539.2 | 599.6 | 680.2 | 720.6 | 786.0 | 916.6 | 1014.6 | 1029.7 |
| 137.5° | 512.6 | 534.2 | 556.0 | 561.4 | 614.1 | 684.4 | 719.6 | 774.8 | 885.2 | 968.1 | 980.4 |
| 140° | 531.4 | 551.4 | 571.4 | 576.5 | 623.1 | 685.2 | 716.2 | 763.9 | 859.4 | 930.9 | 942.5 |
| 142.5° | 545.9 | 564.4 | 582.9 | 587.6 | 630.4 | 687.6 | 716.2 | 758.1 | 841.9 | 904.8 | 914.7 |
| 145° | 568.2 | 584.3 | 600.5 | 604.5 | 640.1 | 687.6 | 711.3 | 745.6 | 814.2 | 865.6 | 873.2 |
| 147.5° | 590.5 | 606.2 | 621.9 | 625.8 | 654.3 | 692.3 | 711.3 | 738.3 | 792.3 | 832.8 | 839.0 |
| 150° | 605.0 | 619.1 | 633.3 | 636.9 | 661.7 | 694.8 | 711.3 | 734.1 | 779.7 | 813.9 | 818.9 |
| 152.5° | 620.0 | 630.7 | 641.5 | 644.2 | 666.6 | 696.4 | 711.3 | 730.8 | 769.7 | 798.9 | 802.7 |
| 155° | 642.2 | 650.2 | 658.1 | 660.1 | 677.2 | 699.9 | 711.3 | 726.8 | 757.8 | 781.0 | 783.5 |
| 157.5° | 658.7 | 666.4 | 674.1 | 676.0 | 687.8 | 703.5 | 711.3 | 723.4 | 747.5 | 765.5 | 767.3 |
| 160° | 669.8 | 675.7 | 681.8 | 683.3 | 692.7 | 705.1 | 711.3 | 721.6 | 742.2 | 757.8 | 758.8 |
| 162.5° | 680.9 | 685.4 | 689.9 | 691.1 | 697.8 | 706.9 | 711.3 | 720.0 | 737.5 | 750.6 | 751.5 |
| 165° | 692.9 | 697.0 | 701.2 | 702.2 | 705.3 | 709.3 | 711.3 | 717.6 | 730.0 | 739.4 | 740.4 |
| 167.5° | 704.1 | 706.0 | 708.0 | 708.4 | 711.1 | 714.5 | 716.2 | 720.3 | 728.4 | 734.6 | 735.1 |
| 170° | 711.3 | 713.3 | 715.3 | 715.7 | 715.9 | 716.1 | 716.2 | 720.3 | 728.4 | 734.6 | 734.6 |
| 172.5° | 715.3 | 715.6 | 716.1 | 716.2 | 716.2 | 716.2 | 716.2 | 719.4 | 725.8 | 730.7 | 730.3 |
| 175° | 720.6 | 720.6 | 720.6 | 720.6 | 719.1 | 717.1 | 716.2 | 718.2 | 722.3 | 725.3 | 725.3 |
| 177.5° | 720.6 | 720.6 | 720.6 | 720.6 | 719.5 | 717.9 | 717.1 | 718.7 | 722.0 | 724.4 | 723.9 |
| 180° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 |
| 2.5° | 1713.4 | 1708.7 | 1713.4 | 1710.2 | 1711.8 | 1707.1 | 1692.9 | 1688.1 | 1692.9 | 1697.6 | 1697.6 |
| 5° | 1734.0 | 1730.8 | 1734.0 | 1734.0 | 1732.4 | 1729.2 | 1713.4 | 1710.2 | 1713.4 | 1715.0 | 1711.8 |
| 7.5° | 1740.2 | 1735.6 | 1740.2 | 1737.1 | 1737.1 | 1734.0 | 1718.2 | 1715.0 | 1716.6 | 1721.3 | 1716.6 |
| 10° | 1740.2 | 1735.6 | 1740.2 | 1738.7 | 1737.1 | 1734.0 | 1718.2 | 1711.8 | 1711.8 | 1716.6 | 1711.8 |
| 12.5° | 1732.4 | 1729.2 | 1732.4 | 1729.2 | 1729.2 | 1726.0 | 1710.2 | 1703.9 | 1705.5 | 1707.1 | 1700.7 |
| 15° | 1719.7 | 1715.0 | 1719.7 | 1716.6 | 1718.2 | 1713.4 | 1696.1 | 1689.7 | 1689.7 | 1692.9 | 1681.8 |
| 17.5° | 1700.7 | 1694.5 | 1700.7 | 1699.1 | 1697.6 | 1694.5 | 1678.6 | 1672.3 | 1670.7 | 1672.3 | 1664.4 |
| 20° | 1678.6 | 1673.9 | 1678.6 | 1677.1 | 1677.1 | 1670.7 | 1655.0 | 1647.0 | 1647.0 | 1647.0 | 1639.1 |
| 22.5° | 1643.8 | 1639.1 | 1643.8 | 1647.0 | 1647.0 | 1645.4 | 1631.2 | 1620.1 | 1616.9 | 1616.9 | 1607.5 |
| 25° | 1604.3 | 1599.6 | 1604.3 | 1604.3 | 1602.7 | 1604.3 | 1599.6 | 1593.3 | 1588.5 | 1583.8 | 1574.4 |
| 27.5° | 1566.4 | 1563.2 | 1566.4 | 1563.2 | 1566.4 | 1561.6 | 1560.1 | 1558.5 | 1552.2 | 1547.5 | 1534.7 |
| 30° | 1528.5 | 1525.3 | 1528.5 | 1525.3 | 1522.1 | 1519.0 | 1511.1 | 1507.9 | 1514.2 | 1511.1 | 1490.6 |
| 32.5° | 1481.0 | 1477.9 | 1481.0 | 1481.0 | 1477.9 | 1477.9 | 1465.3 | 1460.5 | 1462.1 | 1471.6 | 1452.6 |
| 35° | 1432.0 | 1427.3 | 1432.0 | 1430.5 | 1432.0 | 1427.3 | 1419.4 | 1417.8 | 1411.5 | 1422.6 | 1408.4 |
| 37.5° | 1375.1 | 1370.4 | 1375.1 | 1375.1 | 1375.1 | 1378.3 | 1372.0 | 1367.3 | 1357.8 | 1372.0 | 1360.9 |
| 40° | 1316.7 | 1310.3 | 1316.7 | 1315.1 | 1316.7 | 1319.8 | 1316.7 | 1313.5 | 1304.1 | 1315.1 | 1305.6 |
| 42.5° | 1250.3 | 1248.7 | 1250.3 | 1251.8 | 1251.8 | 1258.2 | 1263.0 | 1256.6 | 1253.4 | 1245.5 | 1251.8 |
| 45° | 1179.2 | 1176.0 | 1179.2 | 1182.4 | 1183.8 | 1187.0 | 1201.3 | 1201.3 | 1196.5 | 1183.8 | 1193.4 |
| 47.5° | 1103.2 | 1095.4 | 1103.2 | 1112.8 | 1112.8 | 1117.5 | 1131.7 | 1142.7 | 1134.9 | 1119.1 | 1123.8 |
| 50° | 1022.6 | 1024.2 | 1022.6 | 1029.0 | 1029.0 | 1046.4 | 1057.5 | 1068.5 | 1076.4 | 1057.5 | 1035.3 |
| 52.5° | 943.6 | 942.0 | 943.6 | 948.4 | 954.7 | 962.6 | 981.5 | 992.7 | 1005.3 | 994.2 | 959.4 |
| 55° | 864.6 | 867.8 | 864.6 | 866.2 | 869.4 | 874.1 | 902.5 | 913.6 | 937.3 | 923.1 | 886.7 |
| 57.5° | 785.6 | 780.8 | 785.6 | 788.8 | 790.4 | 795.0 | 818.7 | 839.3 | 853.6 | 855.1 | 810.9 |
| 60° | 693.9 | 687.6 | 693.9 | 708.2 | 711.2 | 714.4 | 736.6 | 755.5 | 768.2 | 772.9 | 727.1 |
| 62.5° | 613.3 | 602.2 | 613.3 | 622.8 | 629.0 | 637.0 | 652.8 | 681.3 | 692.3 | 693.9 | 629.0 |
| 65° | 527.9 | 523.2 | 527.9 | 546.9 | 548.4 | 558.0 | 575.3 | 595.9 | 619.6 | 616.4 | 523.2 |
| 67.5° | 450.5 | 450.5 | 450.5 | 463.2 | 472.6 | 477.4 | 499.5 | 508.9 | 539.0 | 542.2 | 436.3 |
| 70° | 379.4 | 377.8 | 379.4 | 388.8 | 395.2 | 406.2 | 426.7 | 437.9 | 461.6 | 469.4 | 354.1 |
| 72.5° | 311.4 | 309.8 | 311.4 | 319.2 | 325.6 | 335.1 | 352.5 | 365.1 | 385.6 | 395.2 | 275.1 |
| 75° | 251.3 | 248.2 | 251.3 | 257.6 | 256.1 | 268.7 | 282.9 | 295.6 | 314.6 | 320.8 | 203.9 |
| 77.5° | 192.9 | 192.9 | 192.9 | 199.1 | 199.1 | 211.8 | 218.1 | 234.0 | 245.0 | 254.5 | 150.2 |
| 80° | 143.8 | 142.2 | 143.8 | 145.4 | 145.4 | 151.8 | 162.8 | 173.9 | 183.3 | 183.3 | 102.7 |
| 82.5° | 101.2 | 98.0 | 101.2 | 101.2 | 101.2 | 104.3 | 110.7 | 113.8 | 120.1 | 124.9 | 64.8 |
| 85° | 63.2 | 63.2 | 63.2 | 64.8 | 63.2 | 66.4 | 68.0 | 71.2 | 71.2 | 68.0 | 39.5 |
| 87.5° | 41.1 | 39.5 | 41.1 | 39.5 | 39.5 | 37.9 | 37.9 | 37.9 | 36.3 | 34.7 | 22.1 |
| 90° | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 24.5 | 32.6 | 36.7 | 31.6 | 21.3 | 13.5 |
| 92.5° | 73.6 | 59.0 | 73.6 | 88.3 | 91.9 | 130.3 | 181.4 | 207.0 | 181.8 | 131.2 | 93.3 |
| 95° | 256.6 | 212.3 | 256.6 | 300.8 | 312.0 | 409.7 | 539.9 | 605.0 | 510.9 | 322.9 | 181.8 |
| 97.5° | 614.8 | 530.5 | 614.8 | 699.0 | 720.0 | 781.8 | 864.0 | 905.2 | 748.4 | 434.9 | 199.7 |
| 100° | 885.7 | 785.3 | 885.7 | 986.0 | 1011.1 | 1006.7 | 1000.6 | 997.6 | 823.6 | 475.7 | 214.7 |
| 102.5° | 1152.3 | 1066.3 | 1152.3 | 1238.3 | 1259.8 | 1181.1 | 1076.2 | 1023.8 | 847.3 | 494.4 | 229.7 |
| 105° | 1492.2 | 1445.9 | 1492.2 | 1538.3 | 1549.9 | 1373.5 | 1138.5 | 1020.9 | 850.0 | 508.3 | 252.0 |
| 107.5° | 1714.7 | 1725.9 | 1714.7 | 1703.5 | 1700.7 | 1454.8 | 1126.9 | 962.9 | 812.2 | 510.9 | 284.9 |
| 110° | 1799.6 | 1847.7 | 1799.6 | 1751.5 | 1739.5 | 1464.5 | 1097.8 | 914.5 | 778.7 | 507.0 | 303.2 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 112.5° | 1807.2 | 1881.2 | 1807.2 | 1733.3 | 1714.8 | 1433.4 | 1058.1 | 870.5 | 749.3 | 507.1 | 325.4 |
| 115° | 1759.3 | 1861.8 | 1759.3 | 1656.7 | 1631.1 | 1360.0 | 998.4 | 817.7 | 715.7 | 511.8 | 358.8 |
| 117.5° | 1657.7 | 1771.3 | 1657.7 | 1543.9 | 1515.5 | 1270.8 | 944.6 | 781.5 | 694.8 | 521.4 | 391.3 |
| 120° | 1575.8 | 1686.2 | 1575.8 | 1465.4 | 1437.7 | 1214.1 | 916.1 | 767.0 | 687.7 | 529.1 | 410.1 |
| 122.5° | 1496.0 | 1605.0 | 1496.0 | 1387.1 | 1359.8 | 1158.5 | 890.1 | 755.9 | 684.0 | 540.2 | 432.3 |
| 125° | 1382.2 | 1482.6 | 1382.2 | 1281.9 | 1256.8 | 1085.8 | 857.8 | 743.7 | 680.9 | 555.2 | 460.8 |
| 127.5° | 1280.0 | 1364.7 | 1280.0 | 1195.3 | 1174.1 | 1027.3 | 831.4 | 733.6 | 679.1 | 570.1 | 488.4 |
| 130° | 1219.7 | 1298.0 | 1219.7 | 1141.4 | 1121.9 | 991.2 | 816.9 | 729.7 | 680.2 | 581.1 | 506.8 |
| 132.5° | 1165.0 | 1235.0 | 1165.0 | 1094.9 | 1077.5 | 960.4 | 804.4 | 726.4 | 680.9 | 590.0 | 521.8 |
| 135° | 1090.1 | 1150.4 | 1090.1 | 1029.7 | 1014.6 | 916.6 | 786.0 | 720.6 | 680.2 | 599.6 | 539.2 |
| 137.5° | 1029.9 | 1079.3 | 1029.9 | 980.4 | 968.1 | 885.2 | 774.8 | 719.6 | 684.4 | 614.1 | 561.4 |
| 140° | 988.6 | 1034.9 | 988.6 | 942.5 | 930.9 | 859.4 | 763.9 | 716.2 | 685.2 | 623.1 | 576.5 |
| 142.5° | 954.5 | 994.2 | 954.5 | 914.7 | 904.8 | 841.9 | 758.1 | 716.2 | 687.6 | 630.4 | 587.6 |
| 145° | 903.3 | 933.3 | 903.3 | 873.2 | 865.6 | 814.2 | 745.6 | 711.3 | 687.6 | 640.1 | 604.5 |
| 147.5° | 863.9 | 888.8 | 863.9 | 839.0 | 832.8 | 792.3 | 738.3 | 711.3 | 692.3 | 654.3 | 625.8 |
| 150° | 839.2 | 859.4 | 839.2 | 818.9 | 813.9 | 779.7 | 734.1 | 711.3 | 694.8 | 661.7 | 636.9 |
| 152.5° | 817.9 | 833.2 | 817.9 | 802.7 | 798.9 | 769.7 | 730.8 | 711.3 | 696.4 | 666.6 | 644.2 |
| 155° | 793.6 | 803.7 | 793.6 | 783.5 | 781.0 | 757.8 | 726.8 | 711.3 | 699.9 | 677.2 | 660.1 |
| 157.5° | 774.4 | 781.5 | 774.4 | 767.3 | 765.5 | 747.5 | 723.4 | 711.3 | 703.5 | 687.8 | 676.0 |
| 160° | 762.9 | 767.0 | 762.9 | 758.8 | 757.8 | 742.2 | 721.6 | 711.3 | 705.1 | 692.7 | 683.3 |
| 162.5° | 755.4 | 759.2 | 755.4 | 751.5 | 750.6 | 737.5 | 720.0 | 711.3 | 706.9 | 697.8 | 691.1 |
| 165° | 744.5 | 748.6 | 744.5 | 740.4 | 739.4 | 730.0 | 717.6 | 711.3 | 709.3 | 705.3 | 702.2 |
| 167.5° | 736.7 | 738.4 | 736.7 | 735.1 | 734.6 | 728.4 | 720.3 | 716.2 | 714.5 | 711.1 | 708.4 |
| 170° | 734.6 | 734.6 | 734.6 | 734.6 | 734.6 | 728.4 | 720.3 | 716.2 | 716.1 | 715.9 | 715.7 |
| 172.5° | 728.8 | 727.3 | 728.8 | 730.3 | 730.7 | 725.8 | 719.4 | 716.2 | 716.2 | 716.2 | 716.2 |
| 175° | 725.3 | 725.3 | 725.3 | 725.3 | 725.3 | 722.3 | 718.2 | 716.2 | 717.1 | 719.1 | 720.6 |
| 177.5° | 722.3 | 720.6 | 722.3 | 723.9 | 724.4 | 722.0 | 718.7 | 717.1 | 717.9 | 719.5 | 720.6 |
| 180° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 |
| 2.5° | 1694.5 | 1684.9 | 1684.9 | 1669.2 | 1662.8 | 1658.0 | 1650.2 | 1626.5 | 1620.1 | 1613.9 | 1623.3 |
| 5° | 1708.7 | 1691.3 | 1678.6 | 1650.2 | 1626.5 | 1616.9 | 1587.0 | 1530.1 | 1492.2 | 1463.7 | 1447.9 |
| 7.5° | 1711.8 | 1689.7 | 1666.0 | 1621.7 | 1564.8 | 1539.5 | 1447.9 | 1343.6 | 1315.1 | 1289.8 | 1274.0 |
| 10° | 1708.7 | 1683.3 | 1650.2 | 1583.8 | 1449.5 | 1405.2 | 1313.5 | 1245.5 | 1228.1 | 1223.4 | 1228.1 |
| 12.5° | 1697.6 | 1673.9 | 1628.1 | 1517.4 | 1329.3 | 1299.3 | 1245.5 | 1206.0 | 1202.9 | 1210.7 | 1253.4 |
| 15° | 1678.6 | 1656.5 | 1602.7 | 1428.9 | 1263.0 | 1240.8 | 1202.9 | 1188.6 | 1206.0 | 1261.4 | 1389.4 |
| 17.5° | 1659.6 | 1634.4 | 1568.0 | 1342.0 | 1212.3 | 1196.5 | 1169.6 | 1198.1 | 1296.1 | 1370.4 | 1413.0 |
| 20° | 1634.4 | 1604.3 | 1528.5 | 1278.7 | 1176.0 | 1161.8 | 1149.1 | 1277.2 | 1351.4 | 1378.3 | 1402.0 |
| 22.5° | 1604.3 | 1572.8 | 1474.7 | 1234.5 | 1138.1 | 1127.0 | 1134.9 | 1321.4 | 1351.4 | 1370.4 | 1390.9 |
| 25° | 1564.8 | 1537.9 | 1411.5 | 1199.7 | 1108.0 | 1095.4 | 1125.4 | 1316.7 | 1334.0 | 1338.8 | 1379.9 |
| 27.5° | 1528.5 | 1493.7 | 1345.1 | 1168.1 | 1071.7 | 1066.9 | 1133.3 | 1296.1 | 1308.7 | 1313.5 | 1357.8 |
| 30° | 1484.2 | 1432.0 | 1270.8 | 1134.9 | 1033.8 | 1032.2 | 1134.9 | 1270.8 | 1267.6 | 1280.3 | 1324.6 |
| 32.5° | 1438.4 | 1340.4 | 1187.0 | 1093.8 | 997.4 | 995.8 | 1123.8 | 1232.9 | 1229.7 | 1247.1 | 1280.3 |
| 35° | 1395.7 | 1269.2 | 1073.3 | 1046.4 | 951.6 | 953.1 | 1097.0 | 1188.6 | 1190.2 | 1206.0 | 1226.5 |
| 37.5° | 1351.4 | 1207.6 | 948.4 | 994.2 | 907.3 | 907.3 | 1060.6 | 1147.5 | 1144.3 | 1149.1 | 1177.6 |
| 40° | 1299.3 | 1111.2 | 837.7 | 926.2 | 866.2 | 861.4 | 1016.4 | 1103.2 | 1092.2 | 1090.6 | 1130.1 |
| 42.5° | 1244.0 | 1005.3 | 755.5 | 836.1 | 818.7 | 812.5 | 962.6 | 1049.5 | 1029.0 | 1033.8 | 1084.3 |
| 45° | 1183.8 | 976.9 | 692.3 | 706.6 | 769.8 | 765.0 | 904.1 | 987.9 | 973.7 | 986.3 | 1038.5 |
| 47.5° | 1123.8 | 919.9 | 671.7 | 586.5 | 717.6 | 716.0 | 839.3 | 927.8 | 919.9 | 932.6 | 987.9 |
| 50° | 1041.6 | 856.7 | 670.1 | 502.7 | 659.1 | 665.5 | 761.9 | 869.4 | 869.4 | 880.4 | 938.9 |
| 52.5° | 935.8 | 779.2 | 608.5 | 455.2 | 591.1 | 610.1 | 693.9 | 818.7 | 821.9 | 833.0 | 885.2 |
| 55° | 839.3 | 698.6 | 564.3 | 418.9 | 510.5 | 551.6 | 627.6 | 766.6 | 772.9 | 784.0 | 831.4 |
| 57.5° | 750.8 | 581.7 | 554.8 | 376.2 | 436.3 | 475.8 | 569.0 | 716.0 | 719.2 | 728.7 | 774.5 |
| 60° | 655.9 | 420.5 | 508.9 | 330.4 | 371.5 | 401.4 | 515.3 | 655.9 | 667.1 | 673.3 | 712.8 |
| 62.5° | 548.4 | 305.0 | 461.6 | 298.7 | 339.8 | 346.1 | 471.0 | 599.1 | 613.3 | 618.0 | 641.8 |
| 65° | 390.4 | 256.1 | 392.0 | 271.9 | 306.6 | 308.2 | 423.6 | 540.6 | 553.2 | 561.1 | 578.5 |
| 67.5° | 263.9 | 208.7 | 298.7 | 246.6 | 281.3 | 282.9 | 377.8 | 472.6 | 490.0 | 496.3 | 507.3 |
| 70° | 183.3 | 139.1 | 221.3 | 219.7 | 252.9 | 256.1 | 328.8 | 411.0 | 426.7 | 431.5 | 437.9 |
| 72.5° | 134.3 | 112.3 | 183.3 | 197.5 | 222.9 | 226.0 | 278.1 | 341.4 | 357.3 | 361.9 | 365.1 |
| 75° | 102.7 | 118.5 | 148.6 | 172.3 | 189.7 | 191.3 | 227.6 | 278.1 | 289.3 | 292.4 | 294.0 |
| 77.5° | 82.2 | 110.7 | 109.1 | 139.1 | 154.9 | 151.8 | 178.6 | 215.0 | 224.4 | 224.4 | 224.4 |
| 80° | 61.6 | 87.0 | 82.2 | 99.6 | 113.8 | 110.7 | 128.1 | 153.4 | 156.4 | 159.6 | 158.0 |
| 82.5° | 45.9 | 55.3 | 55.3 | 63.2 | 75.8 | 72.7 | 85.4 | 99.6 | 99.6 | 99.6 | 102.7 |
| 85° | 28.5 | 31.6 | 25.3 | 33.2 | 42.7 | 41.1 | 47.4 | 53.7 | 55.3 | 55.3 | 52.1 |
| 87.5° | 17.4 | 14.2 | 7.9 | 12.6 | 19.0 | 19.0 | 22.1 | 23.7 | 22.1 | 22.1 | 22.1 |
| 90° | 12.6 | 8.7 | 4.9 | 8.7 | 12.6 | 13.5 | 21.3 | 31.6 | 36.7 | 32.6 | 24.5 |
| 92.5° | 85.1 | 52.2 | 19.3 | 52.2 | 85.1 | 93.3 | 131.2 | 181.8 | 207.0 | 181.4 | 130.3 |
| 95° | 166.8 | 106.6 | 46.4 | 106.6 | 166.8 | 181.8 | 322.9 | 510.9 | 605.0 | 539.9 | 409.7 |
| 97.5° | 186.4 | 133.3 | 80.2 | 133.3 | 186.4 | 199.7 | 434.9 | 748.4 | 905.2 | 864.0 | 781.8 |
| 100° | 202.7 | 154.6 | 106.4 | 154.6 | 202.7 | 214.7 | 475.7 | 823.6 | 997.6 | 1000.6 | 1006.7 |
| 102.5° | 218.5 | 173.5 | 128.6 | 173.5 | 218.5 | 229.7 | 494.4 | 847.3 | 1023.8 | 1076.2 | 1181.1 |
| 105° | 242.5 | 204.5 | 166.3 | 204.5 | 242.5 | 252.0 | 508.3 | 850.0 | 1020.9 | 1138.5 | 1373.5 |
| 107.5° | 276.0 | 240.5 | 205.0 | 240.5 | 276.0 | 284.9 | 510.9 | 812.2 | 962.9 | 1126.9 | 1454.8 |
| 110° | 295.1 | 263.2 | 231.2 | 263.2 | 295.1 | 303.2 | 507.0 | 778.7 | 914.5 | 1097.8 | 1464.5 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
| 112.5° | 317.7 | 287.3 | 256.8 | 287.3 | 317.7 | 325.4 | 507.1 | 749.3 | 870.5 | 1058.1 | 1433.4 |
| 115° | 351.8 | 323.6 | 295.4 | 323.6 | 351.8 | 358.8 | 511.8 | 715.7 | 817.7 | 998.4 | 1360.0 |
| 117.5° | 384.9 | 359.3 | 333.7 | 359.3 | 384.9 | 391.3 | 521.4 | 694.8 | 781.5 | 944.6 | 1270.8 |
| 120° | 404.1 | 380.0 | 355.9 | 380.0 | 404.1 | 410.1 | 529.1 | 687.7 | 767.0 | 916.1 | 1214.1 |
| 122.5° | 426.3 | 402.0 | 377.7 | 402.0 | 426.3 | 432.3 | 540.2 | 684.0 | 755.9 | 890.1 | 1158.5 |
| 125° | 455.3 | 433.2 | 411.1 | 433.2 | 455.3 | 460.8 | 555.2 | 680.9 | 743.7 | 857.8 | 1085.8 |
| 127.5° | 482.8 | 460.5 | 438.1 | 460.5 | 482.8 | 488.4 | 570.1 | 679.1 | 733.6 | 831.4 | 1027.3 |
| 130° | 500.8 | 476.7 | 452.6 | 476.7 | 500.8 | 506.8 | 581.1 | 680.2 | 729.7 | 816.9 | 991.2 |
| 132.5° | 515.8 | 491.8 | 467.7 | 491.8 | 515.8 | 521.8 | 590.0 | 680.9 | 726.4 | 804.4 | 960.4 |
| 135° | 533.7 | 511.8 | 489.9 | 511.8 | 533.7 | 539.2 | 599.6 | 680.2 | 720.6 | 786.0 | 916.6 |
| 137.5° | 556.0 | 534.2 | 512.6 | 534.2 | 556.0 | 561.4 | 614.1 | 684.4 | 719.6 | 774.8 | 885.2 |
| 140° | 571.4 | 551.4 | 531.4 | 551.4 | 571.4 | 576.5 | 623.1 | 685.2 | 716.2 | 763.9 | 859.4 |
| 142.5° | 582.9 | 564.4 | 545.9 | 564.4 | 582.9 | 587.6 | 630.4 | 687.6 | 716.2 | 758.1 | 841.9 |
| 145° | 600.5 | 584.3 | 568.2 | 584.3 | 600.5 | 604.5 | 640.1 | 687.6 | 711.3 | 745.6 | 814.2 |
| 147.5° | 621.9 | 606.2 | 590.5 | 606.2 | 621.9 | 625.8 | 654.3 | 692.3 | 711.3 | 738.3 | 792.3 |
| 150° | 633.3 | 619.1 | 605.0 | 619.1 | 633.3 | 636.9 | 661.7 | 694.8 | 711.3 | 734.1 | 779.7 |
| 152.5° | 641.5 | 630.7 | 620.0 | 630.7 | 641.5 | 644.2 | 666.6 | 696.4 | 711.3 | 730.8 | 769.7 |
| 155° | 658.1 | 650.2 | 642.2 | 650.2 | 658.1 | 660.1 | 677.2 | 699.9 | 711.3 | 726.8 | 757.8 |
| 157.5° | 674.1 | 666.4 | 658.7 | 666.4 | 674.1 | 676.0 | 687.8 | 703.5 | 711.3 | 723.4 | 747.5 |
| 160° | 681.8 | 675.7 | 669.8 | 675.7 | 681.8 | 683.3 | 692.7 | 705.1 | 711.3 | 721.6 | 742.2 |
| 162.5° | 689.9 | 685.4 | 680.9 | 685.4 | 689.9 | 691.1 | 697.8 | 706.9 | 711.3 | 720.0 | 737.5 |
| 165° | 701.2 | 697.0 | 692.9 | 697.0 | 701.2 | 702.2 | 705.3 | 709.3 | 711.3 | 717.6 | 730.0 |
| 167.5° | 708.0 | 706.0 | 704.1 | 706.0 | 708.0 | 708.4 | 711.1 | 714.5 | 716.2 | 720.3 | 728.4 |
| 170° | 715.3 | 713.3 | 711.3 | 713.3 | 715.3 | 715.7 | 715.9 | 716.1 | 716.2 | 720.3 | 728.4 |
| 172.5° | 716.1 | 715.6 | 715.3 | 715.6 | 716.1 | 716.2 | 716.2 | 716.2 | 716.2 | 719.4 | 725.8 |
| 175° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 719.1 | 717.1 | 716.2 | 718.2 | 722.3 |
| 177.5° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 719.5 | 717.9 | 717.1 | 718.7 | 722.0 |
| 180° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 |



TEST NUMBER: P935806
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 |
| 2.5° | 1612.3 | 1607.5 | 1613.9 | 1596.4 | 1613.9 | 1607.5 | 1612.3 | 1623.3 | 1613.9 | 1620.1 | 1626.5 |
| 5° | 1414.6 | 1406.8 | 1381.5 | 1360.9 | 1381.5 | 1406.8 | 1414.6 | 1447.9 | 1463.7 | 1492.2 | 1530.1 |
| 7.5° | 1264.5 | 1258.2 | 1251.8 | 1239.2 | 1251.8 | 1258.2 | 1264.5 | 1274.0 | 1289.8 | 1315.1 | 1343.6 |
| 10° | 1231.3 | 1232.9 | 1242.4 | 1240.8 | 1242.4 | 1232.9 | 1231.3 | 1228.1 | 1223.4 | 1228.1 | 1245.5 |
| 12.5° | 1316.7 | 1330.9 | 1383.1 | 1379.9 | 1383.1 | 1330.9 | 1316.7 | 1253.4 | 1210.7 | 1202.9 | 1206.0 |
| 15° | 1414.6 | 1419.4 | 1430.5 | 1432.0 | 1430.5 | 1419.4 | 1414.6 | 1389.4 | 1261.4 | 1206.0 | 1188.6 |
| 17.5° | 1424.2 | 1425.8 | 1433.6 | 1433.6 | 1433.6 | 1425.8 | 1424.2 | 1413.0 | 1370.4 | 1296.1 | 1198.1 |
| 20° | 1416.2 | 1419.4 | 1435.2 | 1438.4 | 1435.2 | 1419.4 | 1416.2 | 1402.0 | 1378.3 | 1351.4 | 1277.2 |
| 22.5° | 1413.0 | 1419.4 | 1432.0 | 1430.5 | 1432.0 | 1419.4 | 1413.0 | 1390.9 | 1370.4 | 1351.4 | 1321.4 |
| 25° | 1397.3 | 1397.3 | 1398.9 | 1400.4 | 1398.9 | 1397.3 | 1397.3 | 1379.9 | 1338.8 | 1334.0 | 1316.7 |
| 27.5° | 1364.1 | 1367.3 | 1376.7 | 1375.1 | 1376.7 | 1367.3 | 1364.1 | 1357.8 | 1313.5 | 1308.7 | 1296.1 |
| 30° | 1334.0 | 1330.9 | 1323.0 | 1316.7 | 1323.0 | 1330.9 | 1334.0 | 1324.6 | 1280.3 | 1267.6 | 1270.8 |
| 32.5° | 1283.5 | 1275.6 | 1267.6 | 1263.0 | 1267.6 | 1275.6 | 1283.5 | 1280.3 | 1247.1 | 1229.7 | 1232.9 |
| 35° | 1223.4 | 1224.9 | 1223.4 | 1218.7 | 1223.4 | 1224.9 | 1223.4 | 1226.5 | 1206.0 | 1190.2 | 1188.6 |
| 37.5° | 1180.8 | 1183.8 | 1182.4 | 1176.0 | 1182.4 | 1183.8 | 1180.8 | 1177.6 | 1149.1 | 1144.3 | 1147.5 |
| 40° | 1136.5 | 1138.1 | 1136.5 | 1131.7 | 1136.5 | 1138.1 | 1136.5 | 1130.1 | 1090.6 | 1092.2 | 1103.2 |
| 42.5° | 1093.8 | 1092.2 | 1087.5 | 1084.3 | 1087.5 | 1092.2 | 1093.8 | 1084.3 | 1033.8 | 1029.0 | 1049.5 |
| 45° | 1044.8 | 1046.4 | 1036.9 | 1032.2 | 1036.9 | 1046.4 | 1044.8 | 1038.5 | 986.3 | 973.7 | 987.9 |
| 47.5° | 995.8 | 995.8 | 987.9 | 983.1 | 987.9 | 995.8 | 995.8 | 987.9 | 932.6 | 919.9 | 927.8 |
| 50° | 943.6 | 942.0 | 931.0 | 929.4 | 931.0 | 942.0 | 943.6 | 938.9 | 880.4 | 869.4 | 869.4 |
| 52.5° | 883.6 | 883.6 | 885.2 | 888.3 | 885.2 | 883.6 | 883.6 | 885.2 | 833.0 | 821.9 | 818.7 |
| 55° | 831.4 | 833.0 | 844.1 | 847.2 | 844.1 | 833.0 | 831.4 | 831.4 | 784.0 | 772.9 | 766.6 |
| 57.5° | 777.6 | 777.6 | 785.6 | 785.6 | 785.6 | 777.6 | 777.6 | 774.5 | 728.7 | 719.2 | 716.0 |
| 60° | 716.0 | 719.2 | 725.5 | 723.9 | 725.5 | 719.2 | 716.0 | 712.8 | 673.3 | 667.1 | 655.9 |
| 62.5° | 651.2 | 654.4 | 655.9 | 652.8 | 655.9 | 654.4 | 651.2 | 641.8 | 618.0 | 613.3 | 599.1 |
| 65° | 583.3 | 586.5 | 588.0 | 584.9 | 588.0 | 586.5 | 583.3 | 578.5 | 561.1 | 553.2 | 540.6 |
| 67.5° | 513.7 | 512.1 | 510.5 | 516.9 | 510.5 | 512.1 | 513.7 | 507.3 | 496.3 | 490.0 | 472.6 |
| 70° | 442.5 | 442.5 | 441.0 | 444.1 | 441.0 | 442.5 | 442.5 | 437.9 | 431.5 | 426.7 | 411.0 |
| 72.5° | 366.7 | 365.1 | 371.5 | 366.7 | 371.5 | 365.1 | 366.7 | 365.1 | 361.9 | 357.3 | 341.4 |
| 75° | 292.4 | 295.6 | 292.4 | 297.2 | 292.4 | 295.6 | 292.4 | 294.0 | 292.4 | 289.3 | 278.1 |
| 77.5° | 222.9 | 226.0 | 222.9 | 222.9 | 222.9 | 226.0 | 222.9 | 224.4 | 224.4 | 224.4 | 215.0 |
| 80° | 158.0 | 156.4 | 156.4 | 154.9 | 156.4 | 156.4 | 158.0 | 158.0 | 159.6 | 156.4 | 153.4 |
| 82.5° | 101.2 | 99.6 | 99.6 | 102.7 | 99.6 | 99.6 | 101.2 | 102.7 | 99.6 | 99.6 | 99.6 |
| 85° | 55.3 | 56.9 | 53.7 | 53.7 | 53.7 | 56.9 | 55.3 | 52.1 | 55.3 | 55.3 | 53.7 |
| 87.5° | 20.5 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 20.5 | 22.1 | 22.1 | 22.1 | 23.7 |
| 90° | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 24.5 | 32.6 | 36.7 | 31.6 |
| 92.5° | 91.9 | 88.3 | 73.6 | 59.0 | 73.6 | 88.3 | 91.9 | 130.3 | 181.4 | 207.0 | 181.8 |
| 95° | 312.0 | 300.8 | 256.6 | 212.3 | 256.6 | 300.8 | 312.0 | 409.7 | 539.9 | 605.0 | 510.9 |
| 97.5° | 720.0 | 699.0 | 614.8 | 530.5 | 614.8 | 699.0 | 720.0 | 781.8 | 864.0 | 905.2 | 748.4 |
| 100° | 1011.1 | 986.0 | 885.7 | 785.3 | 885.7 | 986.0 | 1011.1 | 1006.7 | 1000.6 | 997.6 | 823.6 |
| 102.5° | 1259.8 | 1238.3 | 1152.3 | 1066.3 | 1152.3 | 1238.3 | 1259.8 | 1181.1 | 1076.2 | 1023.8 | 847.3 |
| 105° | 1549.9 | 1538.3 | 1492.2 | 1445.9 | 1492.2 | 1538.3 | 1549.9 | 1373.5 | 1138.5 | 1020.9 | 850.0 |
| 107.5° | 1700.7 | 1703.5 | 1714.7 | 1725.9 | 1714.7 | 1703.5 | 1700.7 | 1454.8 | 1126.9 | 962.9 | 812.2 |
| 110° | 1739.5 | 1751.5 | 1799.6 | 1847.7 | 1799.6 | 1751.5 | 1739.5 | 1464.5 | 1097.8 | 914.5 | 778.7 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 1714.8 | 1733.3 | 1807.2 | 1881.2 | 1807.2 | 1733.3 | 1714.8 | 1433.4 | 1058.1 | 870.5 | 749.3 |
| 115° | 1631.1 | 1656.7 | 1759.3 | 1861.8 | 1759.3 | 1656.7 | 1631.1 | 1360.0 | 998.4 | 817.7 | 715.7 |
| 117.5° | 1515.5 | 1543.9 | 1657.7 | 1771.3 | 1657.7 | 1543.9 | 1515.5 | 1270.8 | 944.6 | 781.5 | 694.8 |
| 120° | 1437.7 | 1465.4 | 1575.8 | 1686.2 | 1575.8 | 1465.4 | 1437.7 | 1214.1 | 916.1 | 767.0 | 687.7 |
| 122.5° | 1359.8 | 1387.1 | 1496.0 | 1605.0 | 1496.0 | 1387.1 | 1359.8 | 1158.5 | 890.1 | 755.9 | 684.0 |
| 125° | 1256.8 | 1281.9 | 1382.2 | 1482.6 | 1382.2 | 1281.9 | 1256.8 | 1085.8 | 857.8 | 743.7 | 680.9 |
| 127.5° | 1174.1 | 1195.3 | 1280.0 | 1364.7 | 1280.0 | 1195.3 | 1174.1 | 1027.3 | 831.4 | 733.6 | 679.1 |
| 130° | 1121.9 | 1141.4 | 1219.7 | 1298.0 | 1219.7 | 1141.4 | 1121.9 | 991.2 | 816.9 | 729.7 | 680.2 |
| 132.5° | 1077.5 | 1094.9 | 1165.0 | 1235.0 | 1165.0 | 1094.9 | 1077.5 | 960.4 | 804.4 | 726.4 | 680.9 |
| 135° | 1014.6 | 1029.7 | 1090.1 | 1150.4 | 1090.1 | 1029.7 | 1014.6 | 916.6 | 786.0 | 720.6 | 680.2 |
| 137.5° | 968.1 | 980.4 | 1029.9 | 1079.3 | 1029.9 | 980.4 | 968.1 | 885.2 | 774.8 | 719.6 | 684.4 |
| 140° | 930.9 | 942.5 | 988.6 | 1034.9 | 988.6 | 942.5 | 930.9 | 859.4 | 763.9 | 716.2 | 685.2 |
| 142.5° | 904.8 | 914.7 | 954.5 | 994.2 | 954.5 | 914.7 | 904.8 | 841.9 | 758.1 | 716.2 | 687.6 |
| 145° | 865.6 | 873.2 | 903.3 | 933.3 | 903.3 | 873.2 | 865.6 | 814.2 | 745.6 | 711.3 | 687.6 |
| 147.5° | 832.8 | 839.0 | 863.9 | 888.8 | 863.9 | 839.0 | 832.8 | 792.3 | 738.3 | 711.3 | 692.3 |
| 150° | 813.9 | 818.9 | 839.2 | 859.4 | 839.2 | 818.9 | 813.9 | 779.7 | 734.1 | 711.3 | 694.8 |
| 152.5° | 798.9 | 802.7 | 817.9 | 833.2 | 817.9 | 802.7 | 798.9 | 769.7 | 730.8 | 711.3 | 696.4 |
| 155° | 781.0 | 783.5 | 793.6 | 803.7 | 793.6 | 783.5 | 781.0 | 757.8 | 726.8 | 711.3 | 699.9 |
| 157.5° | 765.5 | 767.3 | 774.4 | 781.5 | 774.4 | 767.3 | 765.5 | 747.5 | 723.4 | 711.3 | 703.5 |
| 160° | 757.8 | 758.8 | 762.9 | 767.0 | 762.9 | 758.8 | 757.8 | 742.2 | 721.6 | 711.3 | 705.1 |
| 162.5° | 750.6 | 751.5 | 755.4 | 759.2 | 755.4 | 751.5 | 750.6 | 737.5 | 720.0 | 711.3 | 706.9 |
| 165° | 739.4 | 740.4 | 744.5 | 748.6 | 744.5 | 740.4 | 739.4 | 730.0 | 717.6 | 711.3 | 709.3 |
| 167.5° | 734.6 | 735.1 | 736.7 | 738.4 | 736.7 | 735.1 | 734.6 | 728.4 | 720.3 | 716.2 | 714.5 |
| 170° | 734.6 | 734.6 | 734.6 | 734.6 | 734.6 | 734.6 | 734.6 | 728.4 | 720.3 | 716.2 | 716.1 |
| 172.5° | 730.7 | 730.3 | 728.8 | 727.3 | 728.8 | 730.3 | 730.7 | 725.8 | 719.4 | 716.2 | 716.2 |
| 175° | 725.3 | 725.3 | 725.3 | 725.3 | 725.3 | 725.3 | 725.3 | 722.3 | 718.2 | 716.2 | 717.1 |
| 177.5° | 724.4 | 723.9 | 722.3 | 720.6 | 722.3 | 723.9 | 724.4 | 722.0 | 718.7 | 717.1 | 717.9 |
| 180° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1670.7 | 1670.7 | 1670.7 | 1670.7 | 1670.7 |
| 2.5° | 1650.2 | 1658.0 | 1662.8 | 1669.2 | 1684.9 |
| 5° | 1587.0 | 1616.9 | 1626.5 | 1650.2 | 1678.6 |
| 7.5° | 1447.9 | 1539.5 | 1564.8 | 1621.7 | 1666.0 |
| 10° | 1313.5 | 1405.2 | 1449.5 | 1583.8 | 1650.2 |
| 12.5° | 1245.5 | 1299.3 | 1329.3 | 1517.4 | 1628.1 |
| 15° | 1202.9 | 1240.8 | 1263.0 | 1428.9 | 1602.7 |
| 17.5° | 1169.6 | 1196.5 | 1212.3 | 1342.0 | 1568.0 |
| 20° | 1149.1 | 1161.8 | 1176.0 | 1278.7 | 1528.5 |
| 22.5° | 1134.9 | 1127.0 | 1138.1 | 1234.5 | 1474.7 |
| 25° | 1125.4 | 1095.4 | 1108.0 | 1199.7 | 1411.5 |
| 27.5° | 1133.3 | 1066.9 | 1071.7 | 1168.1 | 1345.1 |
| 30° | 1134.9 | 1032.2 | 1033.8 | 1134.9 | 1270.8 |
| 32.5° | 1123.8 | 995.8 | 997.4 | 1093.8 | 1187.0 |
| 35° | 1097.0 | 953.1 | 951.6 | 1046.4 | 1073.3 |
| 37.5° | 1060.6 | 907.3 | 907.3 | 994.2 | 948.4 |
| 40° | 1016.4 | 861.4 | 866.2 | 926.2 | 837.7 |
| 42.5° | 962.6 | 812.5 | 818.7 | 836.1 | 755.5 |
| 45° | 904.1 | 765.0 | 769.8 | 706.6 | 692.3 |
| 47.5° | 839.3 | 716.0 | 717.6 | 586.5 | 671.7 |
| 50° | 761.9 | 665.5 | 659.1 | 502.7 | 670.1 |
| 52.5° | 693.9 | 610.1 | 591.1 | 455.2 | 608.5 |
| 55° | 627.6 | 551.6 | 510.5 | 418.9 | 564.3 |
| 57.5° | 569.0 | 475.8 | 436.3 | 376.2 | 554.8 |
| 60° | 515.3 | 401.4 | 371.5 | 330.4 | 508.9 |
| 62.5° | 471.0 | 346.1 | 339.8 | 298.7 | 461.6 |
| 65° | 423.6 | 308.2 | 306.6 | 271.9 | 392.0 |
| 67.5° | 377.8 | 282.9 | 281.3 | 246.6 | 298.7 |
| 70° | 328.8 | 256.1 | 252.9 | 219.7 | 221.3 |
| 72.5° | 278.1 | 226.0 | 222.9 | 197.5 | 183.3 |
| 75° | 227.6 | 191.3 | 189.7 | 172.3 | 148.6 |
| 77.5° | 178.6 | 151.8 | 154.9 | 139.1 | 109.1 |
| 80° | 128.1 | 110.7 | 113.8 | 99.6 | 82.2 |
| 82.5° | 85.4 | 72.7 | 75.8 | 63.2 | 55.3 |
| 85° | 47.4 | 41.1 | 42.7 | 33.2 | 25.3 |
| 87.5° | 22.1 | 19.0 | 19.0 | 12.6 | 7.9 |
| 90° | 21.3 | 13.5 | 12.6 | 8.7 | 4.9 |
| 92.5° | 131.2 | 93.3 | 85.1 | 52.2 | 19.3 |
| 95° | 322.9 | 181.8 | 166.8 | 106.6 | 46.4 |
| 97.5° | 434.9 | 199.7 | 186.4 | 133.3 | 80.2 |
| 100° | 475.7 | 214.7 | 202.7 | 154.6 | 106.4 |
| 102.5° | 494.4 | 229.7 | 218.5 | 173.5 | 128.6 |
| 105° | 508.3 | 252.0 | 242.5 | 204.5 | 166.3 |
| 107.5° | 510.9 | 284.9 | 276.0 | 240.5 | 205.0 |
| 110° | 507.0 | 303.2 | 295.1 | 263.2 | 231.2 |



TEST NUMBER: P935806

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 507.1 | 325.4 | 317.7 | 287.3 | 256.8 |
| 115° | 511.8 | 358.8 | 351.8 | 323.6 | 295.4 |
| 117.5° | 521.4 | 391.3 | 384.9 | 359.3 | 333.7 |
| 120° | 529.1 | 410.1 | 404.1 | 380.0 | 355.9 |
| 122.5° | 540.2 | 432.3 | 426.3 | 402.0 | 377.7 |
| 125° | 555.2 | 460.8 | 455.3 | 433.2 | 411.1 |
| 127.5° | 570.1 | 488.4 | 482.8 | 460.5 | 438.1 |
| 130° | 581.1 | 506.8 | 500.8 | 476.7 | 452.6 |
| 132.5° | 590.0 | 521.8 | 515.8 | 491.8 | 467.7 |
| 135° | 599.6 | 539.2 | 533.7 | 511.8 | 489.9 |
| 137.5° | 614.1 | 561.4 | 556.0 | 534.2 | 512.6 |
| 140° | 623.1 | 576.5 | 571.4 | 551.4 | 531.4 |
| 142.5° | 630.4 | 587.6 | 582.9 | 564.4 | 545.9 |
| 145° | 640.1 | 604.5 | 600.5 | 584.3 | 568.2 |
| 147.5° | 654.3 | 625.8 | 621.9 | 606.2 | 590.5 |
| 150° | 661.7 | 636.9 | 633.3 | 619.1 | 605.0 |
| 152.5° | 666.6 | 644.2 | 641.5 | 630.7 | 620.0 |
| 155° | 677.2 | 660.1 | 658.1 | 650.2 | 642.2 |
| 157.5° | 687.8 | 676.0 | 674.1 | 666.4 | 658.7 |
| 160° | 692.7 | 683.3 | 681.8 | 675.7 | 669.8 |
| 162.5° | 697.8 | 691.1 | 689.9 | 685.4 | 680.9 |
| 165° | 705.3 | 702.2 | 701.2 | 697.0 | 692.9 |
| 167.5° | 711.1 | 708.4 | 708.0 | 706.0 | 704.1 |
| 170° | 715.9 | 715.7 | 715.3 | 713.3 | 711.3 |
| 172.5° | 716.2 | 716.2 | 716.1 | 715.6 | 715.3 |
| 175° | 719.1 | 720.6 | 720.6 | 720.6 | 720.6 |
| 177.5° | 719.5 | 720.6 | 720.6 | 720.6 | 720.6 |
| 180° | 720.6 | 720.6 | 720.6 | 720.6 | 720.6 |



TEST NUMBER: P935806
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-4

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 | 14.14 | 14.99 | 15.11 | 15.97 | 17.27 | 16.94 | 17.78 | 17.91 | 18.77 | 20.07 |
| | 3H | 14.62 | 15.37 | 15.60 | 16.37 | 17.69 | 18.27 | 19.03 | 19.26 | 20.03 | 21.35 |
| | 4H | 14.81 | 15.52 | 15.81 | 16.52 | 17.85 | 18.71 | 19.43 | 19.71 | 20.43 | 21.75 |
| | 6H | 14.93 | 15.59 | 15.93 | 16.59 | 17.93 | 18.99 | 19.65 | 20.00 | 20.65 | 21.99 |
| | 8H | 14.93 | 15.56 | 15.94 | 16.58 | 17.91 | 19.06 | 19.68 | 20.07 | 20.71 | 22.04 |
| | 12H | 14.90 | 15.50 | 15.92 | 16.51 | 17.87 | 19.09 | 19.69 | 20.11 | 20.70 | 22.06 |
| 4H | 2H | 15.16 | 15.88 | 16.17 | 16.88 | 18.21 | 17.35 | 18.06 | 18.35 | 19.06 | 20.39 |
| | 3H | 16.19 | 16.79 | 17.20 | 17.81 | 19.16 | 18.84 | 19.44 | 19.86 | 20.47 | 21.81 |
| | 4H | 16.47 | 17.01 | 17.49 | 18.03 | 19.40 | 19.36 | 19.91 | 20.38 | 20.93 | 22.29 |
| | 6H | 16.59 | 17.06 | 17.62 | 18.10 | 19.46 | 19.72 | 20.19 | 20.75 | 21.23 | 22.59 |
| | 8H | 16.60 | 17.03 | 17.63 | 18.07 | 19.45 | 19.82 | 20.26 | 20.85 | 21.30 | 22.67 |
| | 12H | 16.56 | 16.96 | 17.61 | 18.01 | 19.39 | 19.87 | 20.27 | 20.92 | 21.32 | 22.70 |
| 8H | 4H | 16.91 | 17.35 | 17.94 | 18.39 | 19.76 | 19.49 | 19.93 | 20.52 | 20.96 | 22.34 |
| | 6H | 17.17 | 17.54 | 18.23 | 18.61 | 19.99 | 19.92 | 20.28 | 20.97 | 21.36 | 22.73 |
| | 8H | 17.22 | 17.53 | 18.28 | 18.60 | 19.99 | 20.06 | 20.38 | 21.13 | 21.44 | 22.84 |
| | 12H | 17.20 | 17.48 | 18.27 | 18.54 | 19.97 | 20.15 | 20.43 | 21.22 | 21.49 | 22.93 |
| 12H | 4H | 16.92 | 17.31 | 17.97 | 18.36 | 19.75 | 19.45 | 19.85 | 20.50 | 20.90 | 22.28 |
| | 6H | 17.23 | 17.55 | 18.30 | 18.62 | 20.01 | 19.91 | 20.23 | 20.98 | 21.29 | 22.69 |
| | 8H | 17.30 | 17.58 | 18.37 | 18.64 | 20.07 | 20.07 | 20.35 | 21.14 | 21.41 | 22.84 |