

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: P935843

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935843
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

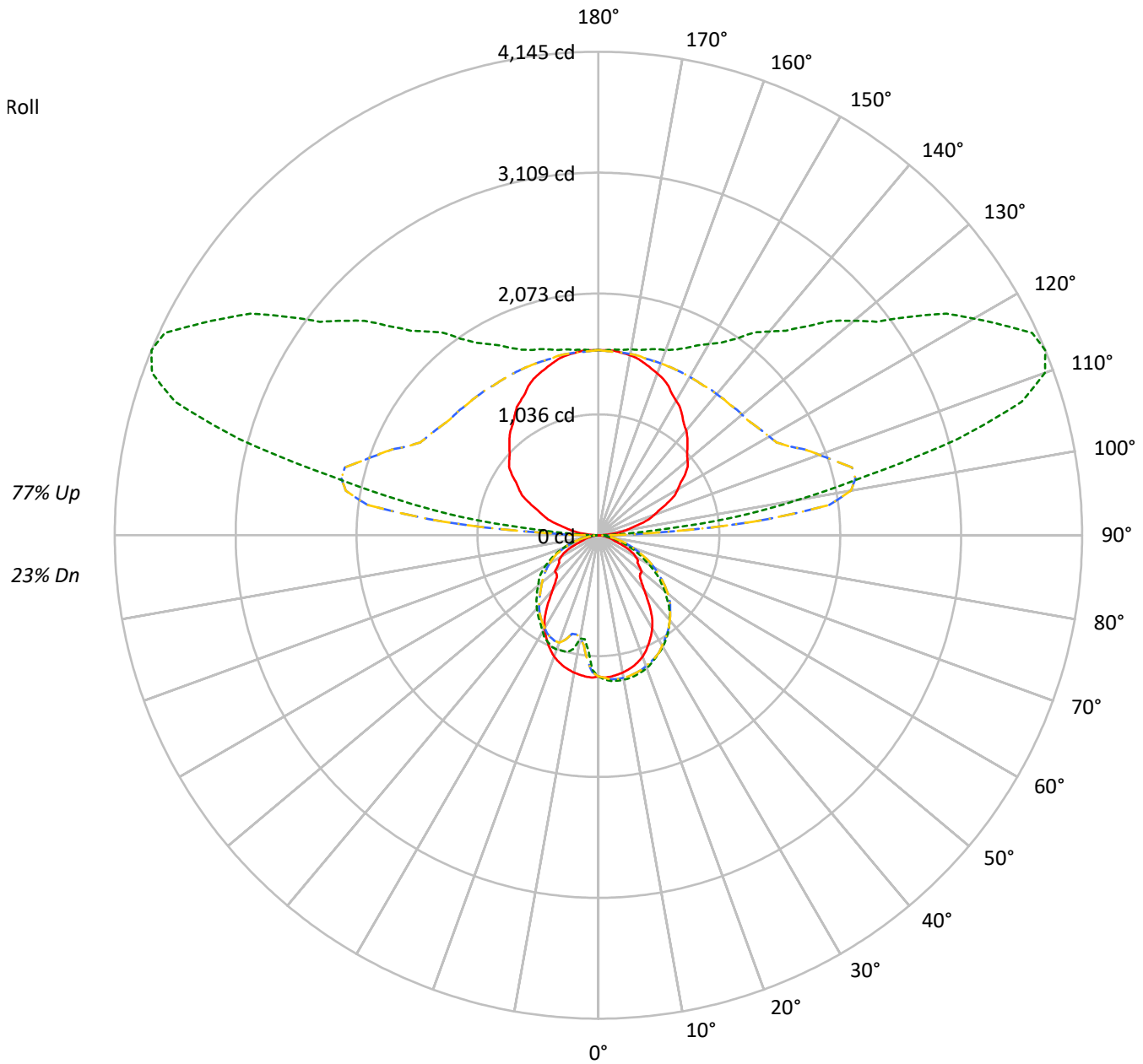
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13437.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
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: P935843
CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 49 | 49 | 49 | 32 | 32 | 32 | 32 | 32 | 32 | 23 |
| 1 | 92 | 88 | 84 | 81 | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 43 | 42 | 41 | 28 | 27 | 27 | 27 | 27 | 27 | 20 |
| 2 | 84 | 77 | 71 | 66 | 74 | 68 | 63 | 59 | 52 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 23 | 23 | 23 | 17 |
| 3 | 76 | 67 | 60 | 55 | 67 | 60 | 54 | 49 | 46 | 42 | 39 | 34 | 31 | 29 | 22 | 20 | 19 | 19 | 19 | 19 | 14 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 19 | 18 | 16 | 16 | 16 | 16 | 12 |
| 5 | 64 | 53 | 45 | 39 | 56 | 47 | 40 | 36 | 36 | 32 | 28 | 27 | 24 | 21 | 17 | 16 | 14 | 14 | 14 | 14 | 10 |
| 6 | 59 | 47 | 39 | 34 | 52 | 42 | 35 | 31 | 33 | 28 | 24 | 24 | 21 | 18 | 16 | 14 | 12 | 12 | 12 | 12 | 9 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 31 | 27 | 30 | 25 | 21 | 22 | 19 | 16 | 14 | 12 | 11 | 11 | 11 | 11 | 8 |
| 8 | 50 | 38 | 31 | 26 | 44 | 34 | 28 | 23 | 27 | 22 | 19 | 20 | 17 | 14 | 13 | 11 | 10 | 10 | 10 | 10 | 7 |
| 9 | 46 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9 | 9 | 9 | 9 | 6 |
| 10 | 43 | 32 | 25 | 20 | 38 | 28 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 11 | 11 | 9 | 8 | 8 | 8 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5619 | 5619 | 5619 | 5619 |
| 5° | 5660 | 5672 | 5660 | 4459 |
| 10° | 5622 | 5587 | 5622 | 3994 |
| 15° | 5561 | 5465 | 5561 | 4564 |
| 20° | 5445 | 5322 | 5445 | 4573 |
| 25° | 5207 | 5113 | 5207 | 4476 |
| 30° | 4899 | 4940 | 4899 | 4264 |
| 35° | 4368 | 4720 | 4368 | 4030 |
| 40° | 3639 | 4461 | 3639 | 3853 |
| 45° | 3252 | 4158 | 3252 | 3650 |
| 50° | 3454 | 3798 | 3454 | 3446 |
| 55° | 3250 | 3409 | 3250 | 3328 |
| 60° | 3351 | 2895 | 3351 | 3048 |
| 65° | 3038 | 2393 | 3038 | 2675 |
| 70° | 2104 | 1907 | 2104 | 2242 |
| 75° | 1845 | 1410 | 1845 | 1688 |
| 80° | 1485 | 932 | 1485 | 1014 |
| 85° | 857 | 494 | 857 | 419 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4984 cd/sqm



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 109.3 | 0.8 |
| 10°-20° | 310.4 | 2.3 |
| 20°-30° | 479.8 | 3.6 |
| 30°-40° | 572.7 | 4.3 |
| 40°-50° | 576.1 | 4.3 |
| 50°-60° | 501.3 | 3.7 |
| 60°-70° | 355.4 | 2.6 |
| 70°-80° | 188.0 | 1.4 |
| 80°-90° | 52.9 | 0.4 |
| 90°-100° | 773.9 | 5.8 |
| 100°-110° | 2034.5 | 15.1 |
| 110°-120° | 2109.5 | 15.7 |
| 120°-130° | 1692.1 | 12.6 |
| 130°-140° | 1327.7 | 9.9 |
| 140°-150° | 1019.0 | 7.6 |
| 150°-160° | 733.9 | 5.5 |
| 160°-170° | 449.0 | 3.3 |
| 170°-180° | 151.7 | 1.1 |
| 0°-30° | 899.4 | 6.7 |
| 0°-40° | 1472.2 | 11.0 |
| 0°-60° | 2549.5 | 19.0 |
| 0°-90° | 3145.8 | 23.4 |
| 90°-120° | 4917.9 | 36.6 |
| 90°-150° | 8956.7 | 66.7 |
| 90°-180° | 10291.0 | 76.6 |
| 0°-180° | 13437.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1211 | 1211 | 1211 | 1211 | 1211 | |
| 5° | 1217 | 1254 | 1217 | 986 | 1217 | 115 |
| 15° | 1162 | 1243 | 1162 | 1038 | 1162 | 327 |
| 25° | 1023 | 1159 | 1023 | 1015 | 1023 | 470 |
| 35° | 778 | 1034 | 778 | 883 | 778 | 481 |
| 45° | 502 | 852 | 502 | 748 | 502 | 402 |
| 55° | 409 | 629 | 409 | 614 | 409 | 376 |
| 65° | 284 | 379 | 284 | 424 | 284 | 272 |
| 75° | 108 | 180 | 108 | 215 | 108 | 113 |
| 85° | 18 | 46 | 18 | 39 | 18 | 25 |
| 90° | 11 | 40 | 11 | 40 | 11 | 10 |
| 95° | 102 | 468 | 102 | 468 | 102 | 114 |
| 105° | 366 | 3186 | 366 | 3186 | 366 | 389 |
| 115° | 651 | 4102 | 651 | 4102 | 651 | 643 |
| 125° | 906 | 3267 | 906 | 3267 | 906 | 804 |
| 135° | 1079 | 2535 | 1079 | 2535 | 1079 | 835 |
| 145° | 1252 | 2056 | 1252 | 2056 | 1252 | 784 |
| 155° | 1415 | 1771 | 1415 | 1771 | 1415 | 650 |
| 165° | 1527 | 1649 | 1527 | 1649 | 1527 | 431 |
| 175° | 1588 | 1598 | 1588 | 1598 | 1588 | 151 |
| 180° | 1588 | 1588 | 1588 | 1588 | 1588 | |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 |
| 2.5° | 1221.2 | 1221.2 | 1228.2 | 1230.5 | 1230.5 | 1227.0 | 1223.5 | 1227.0 | 1237.3 | 1240.7 | 1239.6 |
| 5° | 1216.7 | 1225.8 | 1238.5 | 1240.7 | 1243.0 | 1241.9 | 1239.6 | 1241.9 | 1253.3 | 1255.7 | 1256.8 |
| 7.5° | 1207.5 | 1224.7 | 1240.7 | 1244.2 | 1247.6 | 1244.2 | 1243.0 | 1245.3 | 1256.8 | 1259.1 | 1259.1 |
| 10° | 1196.0 | 1220.1 | 1238.5 | 1240.7 | 1244.2 | 1240.7 | 1240.7 | 1245.3 | 1256.8 | 1259.1 | 1260.2 |
| 12.5° | 1180.0 | 1213.2 | 1230.5 | 1232.7 | 1237.3 | 1236.2 | 1235.0 | 1239.6 | 1251.0 | 1253.3 | 1253.3 |
| 15° | 1161.7 | 1200.6 | 1216.7 | 1218.9 | 1227.0 | 1224.7 | 1224.7 | 1229.3 | 1241.9 | 1245.3 | 1244.2 |
| 17.5° | 1136.5 | 1184.6 | 1203.0 | 1206.4 | 1212.1 | 1211.0 | 1212.1 | 1216.7 | 1228.2 | 1230.5 | 1231.6 |
| 20° | 1107.8 | 1162.8 | 1184.6 | 1188.0 | 1193.7 | 1193.7 | 1193.7 | 1199.5 | 1211.0 | 1215.5 | 1215.5 |
| 22.5° | 1068.9 | 1139.9 | 1162.8 | 1165.1 | 1172.0 | 1172.0 | 1174.3 | 1182.3 | 1192.6 | 1193.7 | 1193.7 |
| 25° | 1023.1 | 1114.7 | 1134.2 | 1141.0 | 1147.9 | 1151.4 | 1154.8 | 1159.4 | 1162.8 | 1161.7 | 1162.8 |
| 27.5° | 975.0 | 1082.6 | 1107.8 | 1112.4 | 1121.6 | 1125.1 | 1129.6 | 1130.8 | 1131.9 | 1135.3 | 1133.1 |
| 30° | 921.1 | 1037.9 | 1075.8 | 1080.4 | 1095.2 | 1097.6 | 1092.9 | 1095.2 | 1101.0 | 1103.3 | 1105.6 |
| 32.5° | 860.4 | 971.5 | 1042.5 | 1052.9 | 1066.6 | 1059.7 | 1058.6 | 1062.0 | 1071.2 | 1071.2 | 1073.5 |
| 35° | 777.9 | 920.0 | 1011.6 | 1020.8 | 1031.1 | 1023.1 | 1027.7 | 1028.8 | 1034.5 | 1037.9 | 1036.8 |
| 37.5° | 687.4 | 875.3 | 979.5 | 986.4 | 994.5 | 984.1 | 991.0 | 994.5 | 999.0 | 996.7 | 996.7 |
| 40° | 607.2 | 805.4 | 941.8 | 946.3 | 953.2 | 945.2 | 952.0 | 954.3 | 956.6 | 954.3 | 953.2 |
| 42.5° | 547.6 | 728.7 | 901.6 | 907.3 | 902.7 | 908.5 | 910.8 | 915.4 | 912.0 | 907.3 | 907.3 |
| 45° | 501.8 | 708.0 | 858.1 | 865.0 | 858.1 | 867.3 | 870.7 | 870.7 | 860.4 | 858.1 | 856.9 |
| 47.5° | 486.9 | 666.7 | 814.6 | 814.6 | 811.1 | 822.6 | 828.3 | 820.3 | 810.0 | 806.6 | 806.6 |
| 50° | 485.7 | 621.0 | 755.0 | 750.4 | 766.4 | 780.2 | 774.4 | 766.4 | 758.4 | 745.8 | 745.8 |
| 52.5° | 441.1 | 564.8 | 678.3 | 695.4 | 720.6 | 728.7 | 719.4 | 711.5 | 697.7 | 691.9 | 687.4 |
| 55° | 409.0 | 506.4 | 608.3 | 642.7 | 669.0 | 679.4 | 662.2 | 654.2 | 633.5 | 630.1 | 627.8 |
| 57.5° | 402.1 | 421.6 | 544.2 | 587.7 | 619.8 | 618.6 | 608.3 | 593.4 | 576.3 | 572.9 | 571.7 |
| 60° | 368.9 | 304.8 | 475.4 | 527.0 | 560.2 | 556.8 | 547.6 | 533.8 | 517.9 | 515.6 | 513.2 |
| 62.5° | 334.6 | 221.1 | 397.5 | 455.9 | 502.9 | 501.8 | 493.8 | 473.2 | 461.7 | 455.9 | 451.4 |
| 65° | 284.1 | 185.6 | 283.0 | 379.2 | 446.8 | 449.1 | 431.9 | 417.0 | 404.4 | 397.5 | 396.4 |
| 67.5° | 216.5 | 151.3 | 191.3 | 316.2 | 393.0 | 390.7 | 368.9 | 362.1 | 346.0 | 342.6 | 335.7 |
| 70° | 160.4 | 100.8 | 132.9 | 256.7 | 340.3 | 334.6 | 317.3 | 309.4 | 294.4 | 286.4 | 281.9 |
| 72.5° | 132.9 | 81.3 | 97.4 | 199.4 | 286.4 | 279.6 | 264.6 | 255.5 | 242.9 | 236.0 | 231.4 |
| 75° | 107.7 | 85.9 | 74.5 | 147.8 | 232.6 | 228.0 | 214.2 | 205.1 | 194.7 | 185.6 | 186.7 |
| 77.5° | 79.1 | 80.2 | 59.5 | 108.8 | 184.5 | 177.6 | 169.5 | 158.1 | 153.5 | 144.3 | 144.3 |
| 80° | 59.5 | 63.0 | 44.7 | 74.5 | 132.9 | 132.9 | 126.0 | 118.0 | 110.0 | 105.4 | 105.4 |
| 82.5° | 40.1 | 40.1 | 33.2 | 47.0 | 90.5 | 87.0 | 82.5 | 80.2 | 75.6 | 73.3 | 73.3 |
| 85° | 18.4 | 22.9 | 20.6 | 28.6 | 49.3 | 51.6 | 51.6 | 49.3 | 48.1 | 45.9 | 47.0 |
| 87.5° | 5.7 | 10.3 | 12.6 | 16.1 | 25.2 | 26.4 | 27.5 | 27.5 | 27.5 | 28.6 | 28.6 |
| 90° | 10.7 | 19.2 | 27.7 | 29.8 | 46.9 | 69.6 | 81.0 | 72.0 | 54.0 | 40.5 | 40.5 |
| 92.5° | 42.6 | 115.1 | 187.6 | 205.7 | 289.1 | 400.4 | 456.0 | 399.6 | 287.0 | 202.4 | 194.4 |
| 95° | 102.3 | 234.9 | 367.4 | 400.6 | 711.3 | 1125.7 | 1332.9 | 1189.4 | 902.5 | 687.2 | 662.8 |
| 97.5° | 176.9 | 293.8 | 410.8 | 440.0 | 958.2 | 1649.2 | 1994.6 | 1903.9 | 1722.5 | 1586.5 | 1540.1 |
| 100° | 234.4 | 340.5 | 446.5 | 473.1 | 1048.1 | 1814.7 | 2198.0 | 2204.7 | 2217.9 | 2227.8 | 2172.6 |
| 102.5° | 283.4 | 382.4 | 481.3 | 506.1 | 1089.3 | 1866.8 | 2255.6 | 2371.1 | 2602.2 | 2775.5 | 2728.2 |
| 105° | 366.5 | 450.3 | 534.2 | 555.1 | 1119.8 | 1872.7 | 2249.2 | 2508.2 | 3026.3 | 3414.8 | 3389.4 |
| 107.5° | 451.7 | 529.9 | 608.0 | 627.5 | 1125.5 | 1789.4 | 2121.3 | 2482.6 | 3205.3 | 3747.2 | 3753.4 |
| 110° | 509.3 | 579.9 | 650.4 | 668.0 | 1116.9 | 1715.5 | 2014.8 | 2418.7 | 3226.6 | 3832.5 | 3859.0 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 565.8 | 633.0 | 700.2 | 717.0 | 1117.3 | 1650.9 | 1917.8 | 2331.2 | 3158.0 | 3778.1 | 3818.8 |
| 115° | 651.0 | 713.0 | 775.0 | 790.6 | 1127.6 | 1577.0 | 1801.7 | 2199.9 | 2996.4 | 3593.7 | 3650.2 |
| 117.5° | 735.1 | 791.5 | 847.9 | 862.0 | 1148.5 | 1530.7 | 1721.8 | 2081.2 | 2800.0 | 3339.1 | 3401.7 |
| 120° | 784.2 | 837.2 | 890.3 | 903.5 | 1165.6 | 1515.1 | 1689.8 | 2018.2 | 2675.0 | 3167.6 | 3228.4 |
| 122.5° | 832.1 | 885.6 | 939.1 | 952.5 | 1190.1 | 1506.9 | 1665.3 | 1961.0 | 2552.5 | 2996.0 | 3056.1 |
| 125° | 905.6 | 954.4 | 1003.2 | 1015.4 | 1223.1 | 1500.1 | 1638.6 | 1889.8 | 2392.2 | 2769.1 | 2824.3 |
| 127.5° | 965.3 | 1014.5 | 1063.8 | 1076.1 | 1256.2 | 1496.3 | 1616.3 | 1831.9 | 2263.4 | 2586.9 | 2633.5 |
| 130° | 997.3 | 1050.3 | 1103.4 | 1116.6 | 1280.3 | 1498.6 | 1607.7 | 1799.7 | 2183.8 | 2471.8 | 2515.0 |
| 132.5° | 1030.3 | 1083.4 | 1136.4 | 1149.7 | 1299.9 | 1500.2 | 1600.3 | 1772.1 | 2115.9 | 2373.8 | 2412.4 |
| 135° | 1079.3 | 1127.6 | 1176.0 | 1188.0 | 1321.2 | 1498.7 | 1587.5 | 1731.5 | 2019.4 | 2235.3 | 2268.6 |
| 137.5° | 1129.4 | 1177.2 | 1225.0 | 1236.9 | 1353.1 | 1508.0 | 1585.4 | 1707.1 | 1950.5 | 2133.0 | 2160.3 |
| 140° | 1170.9 | 1215.0 | 1259.0 | 1270.0 | 1372.7 | 1509.5 | 1577.9 | 1683.1 | 1893.3 | 2051.0 | 2076.5 |
| 142.5° | 1202.9 | 1243.6 | 1284.4 | 1294.5 | 1389.0 | 1515.0 | 1577.9 | 1670.2 | 1854.9 | 1993.4 | 2015.3 |
| 145° | 1251.9 | 1287.4 | 1323.0 | 1331.8 | 1410.3 | 1515.0 | 1567.2 | 1642.7 | 1793.8 | 1907.2 | 1923.8 |
| 147.5° | 1300.9 | 1335.5 | 1370.1 | 1378.7 | 1441.6 | 1525.4 | 1567.2 | 1626.7 | 1745.5 | 1834.7 | 1848.4 |
| 150° | 1332.9 | 1364.1 | 1395.4 | 1403.2 | 1457.8 | 1530.8 | 1567.2 | 1617.5 | 1717.8 | 1793.2 | 1804.3 |
| 152.5° | 1365.9 | 1389.6 | 1413.3 | 1419.2 | 1468.6 | 1534.4 | 1567.2 | 1610.1 | 1695.8 | 1760.1 | 1768.5 |
| 155° | 1414.9 | 1432.5 | 1450.0 | 1454.3 | 1492.0 | 1542.1 | 1567.2 | 1601.3 | 1669.6 | 1720.7 | 1726.3 |
| 157.5° | 1451.2 | 1468.2 | 1485.2 | 1489.5 | 1515.4 | 1550.0 | 1567.2 | 1593.8 | 1646.8 | 1686.6 | 1690.6 |
| 160° | 1475.7 | 1488.9 | 1502.2 | 1505.5 | 1526.1 | 1553.5 | 1567.2 | 1590.0 | 1635.5 | 1669.6 | 1671.8 |
| 162.5° | 1500.2 | 1510.1 | 1520.1 | 1522.6 | 1537.4 | 1557.3 | 1567.2 | 1586.5 | 1624.8 | 1653.6 | 1655.7 |
| 165° | 1526.8 | 1535.7 | 1544.8 | 1547.0 | 1553.7 | 1562.7 | 1567.2 | 1581.0 | 1608.5 | 1629.1 | 1631.3 |
| 167.5° | 1551.3 | 1555.5 | 1559.8 | 1560.9 | 1566.6 | 1574.2 | 1577.9 | 1586.9 | 1604.9 | 1618.4 | 1619.3 |
| 170° | 1567.2 | 1571.5 | 1575.8 | 1576.9 | 1577.2 | 1577.7 | 1577.9 | 1586.9 | 1604.9 | 1618.4 | 1618.4 |
| 172.5° | 1575.8 | 1576.7 | 1577.7 | 1577.9 | 1577.9 | 1577.9 | 1577.9 | 1585.0 | 1599.2 | 1609.9 | 1609.0 |
| 175° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1584.3 | 1580.1 | 1577.9 | 1582.4 | 1591.4 | 1598.2 | 1598.2 |
| 177.5° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1585.0 | 1581.7 | 1580.1 | 1583.6 | 1590.7 | 1596.0 | 1595.1 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 |
| 2.5° | 1241.9 | 1238.5 | 1241.9 | 1239.6 | 1240.7 | 1237.3 | 1227.0 | 1223.5 | 1227.0 | 1230.5 | 1230.5 |
| 5° | 1256.8 | 1254.5 | 1256.8 | 1256.8 | 1255.7 | 1253.3 | 1241.9 | 1239.6 | 1241.9 | 1243.0 | 1240.7 |
| 7.5° | 1261.4 | 1258.0 | 1261.4 | 1259.1 | 1259.1 | 1256.8 | 1245.3 | 1243.0 | 1244.2 | 1247.6 | 1244.2 |
| 10° | 1261.4 | 1258.0 | 1261.4 | 1260.2 | 1259.1 | 1256.8 | 1245.3 | 1240.7 | 1240.7 | 1244.2 | 1240.7 |
| 12.5° | 1255.7 | 1253.3 | 1255.7 | 1253.3 | 1253.3 | 1251.0 | 1239.6 | 1235.0 | 1236.2 | 1237.3 | 1232.7 |
| 15° | 1246.4 | 1243.0 | 1246.4 | 1244.2 | 1245.3 | 1241.9 | 1229.3 | 1224.7 | 1224.7 | 1227.0 | 1218.9 |
| 17.5° | 1232.7 | 1228.2 | 1232.7 | 1231.6 | 1230.5 | 1228.2 | 1216.7 | 1212.1 | 1211.0 | 1212.1 | 1206.4 |
| 20° | 1216.7 | 1213.2 | 1216.7 | 1215.5 | 1215.5 | 1211.0 | 1199.5 | 1193.7 | 1193.7 | 1193.7 | 1188.0 |
| 22.5° | 1191.5 | 1188.0 | 1191.5 | 1193.7 | 1193.7 | 1192.6 | 1182.3 | 1174.3 | 1172.0 | 1172.0 | 1165.1 |
| 25° | 1162.8 | 1159.4 | 1162.8 | 1162.8 | 1161.7 | 1162.8 | 1159.4 | 1154.8 | 1151.4 | 1147.9 | 1141.0 |
| 27.5° | 1135.3 | 1133.1 | 1135.3 | 1133.1 | 1135.3 | 1131.9 | 1130.8 | 1129.6 | 1125.1 | 1121.6 | 1112.4 |
| 30° | 1107.8 | 1105.6 | 1107.8 | 1105.6 | 1103.3 | 1101.0 | 1095.2 | 1092.9 | 1097.6 | 1095.2 | 1080.4 |
| 32.5° | 1073.5 | 1071.2 | 1073.5 | 1073.5 | 1071.2 | 1071.2 | 1062.0 | 1058.6 | 1059.7 | 1066.6 | 1052.9 |
| 35° | 1037.9 | 1034.5 | 1037.9 | 1036.8 | 1037.9 | 1034.5 | 1028.8 | 1027.7 | 1023.1 | 1031.1 | 1020.8 |
| 37.5° | 996.7 | 993.3 | 996.7 | 996.7 | 996.7 | 999.0 | 994.5 | 991.0 | 984.1 | 994.5 | 986.4 |
| 40° | 954.3 | 949.7 | 954.3 | 953.2 | 954.3 | 956.6 | 954.3 | 952.0 | 945.2 | 953.2 | 946.3 |
| 42.5° | 906.2 | 905.0 | 906.2 | 907.3 | 907.3 | 912.0 | 915.4 | 910.8 | 908.5 | 902.7 | 907.3 |
| 45° | 854.6 | 852.3 | 854.6 | 856.9 | 858.1 | 860.4 | 870.7 | 870.7 | 867.3 | 858.1 | 865.0 |
| 47.5° | 799.6 | 793.9 | 799.6 | 806.6 | 806.6 | 810.0 | 820.3 | 828.3 | 822.6 | 811.1 | 814.6 |
| 50° | 741.2 | 742.4 | 741.2 | 745.8 | 745.8 | 758.4 | 766.4 | 774.4 | 780.2 | 766.4 | 750.4 |
| 52.5° | 684.0 | 682.8 | 684.0 | 687.4 | 691.9 | 697.7 | 711.5 | 719.4 | 728.7 | 720.6 | 695.4 |
| 55° | 626.7 | 629.0 | 626.7 | 627.8 | 630.1 | 633.5 | 654.2 | 662.2 | 679.4 | 669.0 | 642.7 |
| 57.5° | 569.4 | 565.9 | 569.4 | 571.7 | 572.9 | 576.3 | 593.4 | 608.3 | 618.6 | 619.8 | 587.7 |
| 60° | 502.9 | 498.4 | 502.9 | 513.2 | 515.6 | 517.9 | 533.8 | 547.6 | 556.8 | 560.2 | 527.0 |
| 62.5° | 444.5 | 436.5 | 444.5 | 451.4 | 455.9 | 461.7 | 473.2 | 493.8 | 501.8 | 502.9 | 455.9 |
| 65° | 382.6 | 379.2 | 382.6 | 396.4 | 397.5 | 404.4 | 417.0 | 431.9 | 449.1 | 446.8 | 379.2 |
| 67.5° | 326.5 | 326.5 | 326.5 | 335.7 | 342.6 | 346.0 | 362.1 | 368.9 | 390.7 | 393.0 | 316.2 |
| 70° | 274.9 | 273.8 | 274.9 | 281.9 | 286.4 | 294.4 | 309.4 | 317.3 | 334.6 | 340.3 | 256.7 |
| 72.5° | 225.7 | 224.6 | 225.7 | 231.4 | 236.0 | 242.9 | 255.5 | 264.6 | 279.6 | 286.4 | 199.4 |
| 75° | 182.2 | 179.9 | 182.2 | 186.7 | 185.6 | 194.7 | 205.1 | 214.2 | 228.0 | 232.6 | 147.8 |
| 77.5° | 139.7 | 139.7 | 139.7 | 144.3 | 144.3 | 153.5 | 158.1 | 169.5 | 177.6 | 184.5 | 108.8 |
| 80° | 104.3 | 103.1 | 104.3 | 105.4 | 105.4 | 110.0 | 118.0 | 126.0 | 132.9 | 132.9 | 74.5 |
| 82.5° | 73.3 | 71.1 | 73.3 | 73.3 | 73.3 | 75.6 | 80.2 | 82.5 | 87.0 | 90.5 | 47.0 |
| 85° | 45.9 | 45.9 | 45.9 | 47.0 | 45.9 | 48.1 | 49.3 | 51.6 | 51.6 | 49.3 | 28.6 |
| 87.5° | 29.8 | 28.6 | 29.8 | 28.6 | 28.6 | 27.5 | 27.5 | 27.5 | 26.4 | 25.2 | 16.1 |
| 90° | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 54.0 | 72.0 | 81.0 | 69.6 | 46.9 | 29.8 |
| 92.5° | 162.2 | 130.0 | 162.2 | 194.4 | 202.4 | 287.0 | 399.6 | 456.0 | 400.4 | 289.1 | 205.7 |
| 95° | 565.3 | 467.7 | 565.3 | 662.8 | 687.2 | 902.5 | 1189.4 | 1332.9 | 1125.7 | 711.3 | 400.6 |
| 97.5° | 1354.4 | 1168.8 | 1354.4 | 1540.1 | 1586.5 | 1722.5 | 1903.9 | 1994.6 | 1649.2 | 958.2 | 440.0 |
| 100° | 1951.4 | 1730.3 | 1951.4 | 2172.6 | 2227.8 | 2217.9 | 2204.7 | 2198.0 | 1814.7 | 1048.1 | 473.1 |
| 102.5° | 2538.7 | 2349.4 | 2538.7 | 2728.2 | 2775.5 | 2602.2 | 2371.1 | 2255.6 | 1866.8 | 1089.3 | 506.1 |
| 105° | 3287.5 | 3185.7 | 3287.5 | 3389.4 | 3414.8 | 3026.3 | 2508.2 | 2249.2 | 1872.7 | 1119.8 | 555.1 |
| 107.5° | 3778.0 | 3802.6 | 3778.0 | 3753.4 | 3747.2 | 3205.3 | 2482.6 | 2121.3 | 1789.4 | 1125.5 | 627.5 |
| 110° | 3965.0 | 4071.1 | 3965.0 | 3859.0 | 3832.5 | 3226.6 | 2418.7 | 2014.8 | 1715.5 | 1116.9 | 668.0 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3981.7 | 4144.6 | 3981.7 | 3818.8 | 3778.1 | 3158.0 | 2331.2 | 1917.8 | 1650.9 | 1117.3 | 717.0 |
| 115° | 3876.1 | 4101.9 | 3876.1 | 3650.2 | 3593.7 | 2996.4 | 2199.9 | 1801.7 | 1577.0 | 1127.6 | 790.6 |
| 117.5° | 3652.3 | 3902.8 | 3652.3 | 3401.7 | 3339.1 | 2800.0 | 2081.2 | 1721.8 | 1530.7 | 1148.5 | 862.0 |
| 120° | 3471.9 | 3715.2 | 3471.9 | 3228.4 | 3167.6 | 2675.0 | 2018.2 | 1689.8 | 1515.1 | 1165.6 | 903.5 |
| 122.5° | 3296.2 | 3536.3 | 3296.2 | 3056.1 | 2996.0 | 2552.5 | 1961.0 | 1665.3 | 1506.9 | 1190.1 | 952.5 |
| 125° | 3045.6 | 3266.7 | 3045.6 | 2824.3 | 2769.1 | 2392.2 | 1889.8 | 1638.6 | 1500.1 | 1223.1 | 1015.4 |
| 127.5° | 2820.2 | 3006.7 | 2820.2 | 2633.5 | 2586.9 | 2263.4 | 1831.9 | 1616.3 | 1496.3 | 1256.2 | 1076.1 |
| 130° | 2687.3 | 2859.7 | 2687.3 | 2515.0 | 2471.8 | 2183.8 | 1799.7 | 1607.7 | 1498.6 | 1280.3 | 1116.6 |
| 132.5° | 2566.7 | 2721.2 | 2566.7 | 2412.4 | 2373.8 | 2115.9 | 1772.1 | 1600.3 | 1500.2 | 1299.9 | 1149.7 |
| 135° | 2401.6 | 2534.7 | 2401.6 | 2268.6 | 2235.3 | 2019.4 | 1731.5 | 1587.5 | 1498.7 | 1321.2 | 1188.0 |
| 137.5° | 2269.2 | 2378.1 | 2269.2 | 2160.3 | 2133.0 | 1950.5 | 1707.1 | 1585.4 | 1508.0 | 1353.1 | 1236.9 |
| 140° | 2178.3 | 2280.1 | 2178.3 | 2076.5 | 2051.0 | 1893.3 | 1683.1 | 1577.9 | 1509.5 | 1372.7 | 1270.0 |
| 142.5° | 2102.9 | 2190.6 | 2102.9 | 2015.3 | 1993.4 | 1854.9 | 1670.2 | 1577.9 | 1515.0 | 1389.0 | 1294.5 |
| 145° | 1990.0 | 2056.3 | 1990.0 | 1923.8 | 1907.2 | 1793.8 | 1642.7 | 1567.2 | 1515.0 | 1410.3 | 1331.8 |
| 147.5° | 1903.3 | 1958.3 | 1903.3 | 1848.4 | 1834.7 | 1745.5 | 1626.7 | 1567.2 | 1525.4 | 1441.6 | 1378.7 |
| 150° | 1848.8 | 1893.3 | 1848.8 | 1804.3 | 1793.2 | 1717.8 | 1617.5 | 1567.2 | 1530.8 | 1457.8 | 1403.2 |
| 152.5° | 1802.1 | 1835.8 | 1802.1 | 1768.5 | 1760.1 | 1695.8 | 1610.1 | 1567.2 | 1534.4 | 1468.6 | 1419.2 |
| 155° | 1748.6 | 1770.8 | 1748.6 | 1726.3 | 1720.7 | 1669.6 | 1601.3 | 1567.2 | 1542.1 | 1492.0 | 1454.3 |
| 157.5° | 1706.1 | 1721.8 | 1706.1 | 1690.6 | 1686.6 | 1646.8 | 1593.8 | 1567.2 | 1550.0 | 1515.4 | 1489.5 |
| 160° | 1680.8 | 1689.8 | 1680.8 | 1671.8 | 1669.6 | 1635.5 | 1590.0 | 1567.2 | 1553.5 | 1526.1 | 1505.5 |
| 162.5° | 1664.2 | 1672.7 | 1664.2 | 1655.7 | 1653.6 | 1624.8 | 1586.5 | 1567.2 | 1557.3 | 1537.4 | 1522.6 |
| 165° | 1640.4 | 1649.3 | 1640.4 | 1631.3 | 1629.1 | 1608.5 | 1581.0 | 1567.2 | 1562.7 | 1553.7 | 1547.0 |
| 167.5° | 1623.2 | 1626.9 | 1623.2 | 1619.3 | 1618.4 | 1604.9 | 1586.9 | 1577.9 | 1574.2 | 1566.6 | 1560.9 |
| 170° | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1604.9 | 1586.9 | 1577.9 | 1577.7 | 1577.2 | 1576.9 |
| 172.5° | 1605.8 | 1602.4 | 1605.8 | 1609.0 | 1609.9 | 1599.2 | 1585.0 | 1577.9 | 1577.9 | 1577.9 | 1577.9 |
| 175° | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1591.4 | 1582.4 | 1577.9 | 1580.1 | 1584.3 | 1587.5 |
| 177.5° | 1591.2 | 1587.5 | 1591.2 | 1595.1 | 1596.0 | 1590.7 | 1583.6 | 1580.1 | 1581.7 | 1585.0 | 1587.5 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 |
| 2.5° | 1228.2 | 1221.2 | 1221.2 | 1209.8 | 1205.3 | 1201.8 | 1196.0 | 1178.9 | 1174.3 | 1169.7 | 1176.6 |
| 5° | 1238.5 | 1225.8 | 1216.7 | 1196.0 | 1178.9 | 1172.0 | 1150.3 | 1109.0 | 1081.5 | 1060.8 | 1049.4 |
| 7.5° | 1240.7 | 1224.7 | 1207.5 | 1175.5 | 1134.2 | 1115.8 | 1049.4 | 973.8 | 953.2 | 934.8 | 923.4 |
| 10° | 1238.5 | 1220.1 | 1196.0 | 1147.9 | 1050.6 | 1018.5 | 952.0 | 902.7 | 890.2 | 886.8 | 890.2 |
| 12.5° | 1230.5 | 1213.2 | 1180.0 | 1099.9 | 963.5 | 941.8 | 902.7 | 874.1 | 871.8 | 877.5 | 908.5 |
| 15° | 1216.7 | 1200.6 | 1161.7 | 1035.6 | 915.4 | 899.3 | 871.8 | 861.6 | 874.1 | 914.3 | 1007.0 |
| 17.5° | 1203.0 | 1184.6 | 1136.5 | 972.7 | 878.7 | 867.3 | 847.8 | 868.4 | 939.5 | 993.3 | 1024.2 |
| 20° | 1184.6 | 1162.8 | 1107.8 | 926.8 | 852.3 | 842.1 | 832.9 | 925.7 | 979.5 | 999.0 | 1016.2 |
| 22.5° | 1162.8 | 1139.9 | 1068.9 | 894.8 | 824.8 | 816.9 | 822.6 | 957.7 | 979.5 | 993.3 | 1008.1 |
| 25° | 1134.2 | 1114.7 | 1023.1 | 869.6 | 803.1 | 793.9 | 815.7 | 954.3 | 967.0 | 970.4 | 1000.2 |
| 27.5° | 1107.8 | 1082.6 | 975.0 | 846.6 | 776.7 | 773.3 | 821.4 | 939.5 | 948.6 | 952.0 | 984.1 |
| 30° | 1075.8 | 1037.9 | 921.1 | 822.6 | 749.2 | 748.1 | 822.6 | 921.1 | 918.8 | 928.0 | 960.0 |
| 32.5° | 1042.5 | 971.5 | 860.4 | 792.8 | 722.9 | 721.7 | 814.6 | 893.6 | 891.3 | 903.9 | 928.0 |
| 35° | 1011.6 | 920.0 | 777.9 | 758.4 | 689.7 | 690.8 | 795.1 | 861.6 | 862.7 | 874.1 | 889.1 |
| 37.5° | 979.5 | 875.3 | 687.4 | 720.6 | 657.6 | 657.6 | 768.7 | 831.7 | 829.4 | 832.9 | 853.5 |
| 40° | 941.8 | 805.4 | 607.2 | 671.3 | 627.8 | 624.4 | 736.7 | 799.6 | 791.6 | 790.5 | 819.1 |
| 42.5° | 901.6 | 728.7 | 547.6 | 606.1 | 593.4 | 588.8 | 697.7 | 760.7 | 745.8 | 749.2 | 785.9 |
| 45° | 858.1 | 708.0 | 501.8 | 512.1 | 557.9 | 554.5 | 655.3 | 716.0 | 705.7 | 714.9 | 752.7 |
| 47.5° | 814.6 | 666.7 | 486.9 | 425.0 | 520.2 | 519.0 | 608.3 | 672.5 | 666.7 | 676.0 | 716.0 |
| 50° | 755.0 | 621.0 | 485.7 | 364.3 | 477.7 | 482.3 | 552.2 | 630.1 | 630.1 | 638.1 | 680.5 |
| 52.5° | 678.3 | 564.8 | 441.1 | 329.9 | 428.4 | 442.2 | 502.9 | 593.4 | 595.8 | 603.8 | 641.5 |
| 55° | 608.3 | 506.4 | 409.0 | 303.6 | 370.0 | 399.8 | 454.8 | 555.6 | 560.2 | 568.3 | 602.6 |
| 57.5° | 544.2 | 421.6 | 402.1 | 272.6 | 316.2 | 344.8 | 412.5 | 519.0 | 521.3 | 528.1 | 561.3 |
| 60° | 475.4 | 304.8 | 368.9 | 239.4 | 269.2 | 291.0 | 373.5 | 475.4 | 483.4 | 488.0 | 516.7 |
| 62.5° | 397.5 | 221.1 | 334.6 | 216.5 | 246.3 | 250.9 | 341.4 | 434.2 | 444.5 | 448.0 | 465.2 |
| 65° | 283.0 | 185.6 | 284.1 | 197.0 | 222.2 | 223.4 | 307.1 | 391.8 | 401.0 | 406.7 | 419.3 |
| 67.5° | 191.3 | 151.3 | 216.5 | 178.7 | 204.0 | 205.1 | 273.8 | 342.6 | 355.1 | 359.8 | 367.8 |
| 70° | 132.9 | 100.8 | 160.4 | 159.2 | 183.3 | 185.6 | 238.3 | 297.8 | 309.4 | 312.8 | 317.3 |
| 72.5° | 97.4 | 81.3 | 132.9 | 143.2 | 161.5 | 163.8 | 201.7 | 247.4 | 258.9 | 262.4 | 264.6 |
| 75° | 74.5 | 85.9 | 107.7 | 124.9 | 137.5 | 138.6 | 164.9 | 201.7 | 209.7 | 211.9 | 213.1 |
| 77.5° | 59.5 | 80.2 | 79.1 | 100.8 | 112.2 | 110.0 | 129.5 | 155.8 | 162.7 | 162.7 | 162.7 |
| 80° | 44.7 | 63.0 | 59.5 | 72.2 | 82.5 | 80.2 | 92.8 | 111.1 | 113.4 | 115.7 | 114.5 |
| 82.5° | 33.2 | 40.1 | 40.1 | 45.9 | 55.0 | 52.7 | 61.8 | 72.2 | 72.2 | 72.2 | 74.5 |
| 85° | 20.6 | 22.9 | 18.4 | 24.1 | 30.9 | 29.8 | 34.3 | 38.9 | 40.1 | 40.1 | 37.8 |
| 87.5° | 12.6 | 10.3 | 5.7 | 9.1 | 13.8 | 13.8 | 16.1 | 17.2 | 16.1 | 16.1 | 16.1 |
| 90° | 27.7 | 19.2 | 10.7 | 19.2 | 27.7 | 29.8 | 46.9 | 69.6 | 81.0 | 72.0 | 54.0 |
| 92.5° | 187.6 | 115.1 | 42.6 | 115.1 | 187.6 | 205.7 | 289.1 | 400.4 | 456.0 | 399.6 | 287.0 |
| 95° | 367.4 | 234.9 | 102.3 | 234.9 | 367.4 | 400.6 | 711.3 | 1125.7 | 1332.9 | 1189.4 | 902.5 |
| 97.5° | 410.8 | 293.8 | 176.9 | 293.8 | 410.8 | 440.0 | 958.2 | 1649.2 | 1994.6 | 1903.9 | 1722.5 |
| 100° | 446.5 | 340.5 | 234.4 | 340.5 | 446.5 | 473.1 | 1048.1 | 1814.7 | 2198.0 | 2204.7 | 2217.9 |
| 102.5° | 481.3 | 382.4 | 283.4 | 382.4 | 481.3 | 506.1 | 1089.3 | 1866.8 | 2255.6 | 2371.1 | 2602.2 |
| 105° | 534.2 | 450.3 | 366.5 | 450.3 | 534.2 | 555.1 | 1119.8 | 1872.7 | 2249.2 | 2508.2 | 3026.3 |
| 107.5° | 608.0 | 529.9 | 451.7 | 529.9 | 608.0 | 627.5 | 1125.5 | 1789.4 | 2121.3 | 2482.6 | 3205.3 |
| 110° | 650.4 | 579.9 | 509.3 | 579.9 | 650.4 | 668.0 | 1116.9 | 1715.5 | 2014.8 | 2418.7 | 3226.6 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 700.2 | 633.0 | 565.8 | 633.0 | 700.2 | 717.0 | 1117.3 | 1650.9 | 1917.8 | 2331.2 | 3158.0 |
| 115° | 775.0 | 713.0 | 651.0 | 713.0 | 775.0 | 790.6 | 1127.6 | 1577.0 | 1801.7 | 2199.9 | 2996.4 |
| 117.5° | 847.9 | 791.5 | 735.1 | 791.5 | 847.9 | 862.0 | 1148.5 | 1530.7 | 1721.8 | 2081.2 | 2800.0 |
| 120° | 890.3 | 837.2 | 784.2 | 837.2 | 890.3 | 903.5 | 1165.6 | 1515.1 | 1689.8 | 2018.2 | 2675.0 |
| 122.5° | 939.1 | 885.6 | 832.1 | 885.6 | 939.1 | 952.5 | 1190.1 | 1506.9 | 1665.3 | 1961.0 | 2552.5 |
| 125° | 1003.2 | 954.4 | 905.6 | 954.4 | 1003.2 | 1015.4 | 1223.1 | 1500.1 | 1638.6 | 1889.8 | 2392.2 |
| 127.5° | 1063.8 | 1014.5 | 965.3 | 1014.5 | 1063.8 | 1076.1 | 1256.2 | 1496.3 | 1616.3 | 1831.9 | 2263.4 |
| 130° | 1103.4 | 1050.3 | 997.3 | 1050.3 | 1103.4 | 1116.6 | 1280.3 | 1498.6 | 1607.7 | 1799.7 | 2183.8 |
| 132.5° | 1136.4 | 1083.4 | 1030.3 | 1083.4 | 1136.4 | 1149.7 | 1299.9 | 1500.2 | 1600.3 | 1772.1 | 2115.9 |
| 135° | 1176.0 | 1127.6 | 1079.3 | 1127.6 | 1176.0 | 1188.0 | 1321.2 | 1498.7 | 1587.5 | 1731.5 | 2019.4 |
| 137.5° | 1225.0 | 1177.2 | 1129.4 | 1177.2 | 1225.0 | 1236.9 | 1353.1 | 1508.0 | 1585.4 | 1707.1 | 1950.5 |
| 140° | 1259.0 | 1215.0 | 1170.9 | 1215.0 | 1259.0 | 1270.0 | 1372.7 | 1509.5 | 1577.9 | 1683.1 | 1893.3 |
| 142.5° | 1284.4 | 1243.6 | 1202.9 | 1243.6 | 1284.4 | 1294.5 | 1389.0 | 1515.0 | 1577.9 | 1670.2 | 1854.9 |
| 145° | 1323.0 | 1287.4 | 1251.9 | 1287.4 | 1323.0 | 1331.8 | 1410.3 | 1515.0 | 1567.2 | 1642.7 | 1793.8 |
| 147.5° | 1370.1 | 1335.5 | 1300.9 | 1335.5 | 1370.1 | 1378.7 | 1441.6 | 1525.4 | 1567.2 | 1626.7 | 1745.5 |
| 150° | 1395.4 | 1364.1 | 1332.9 | 1364.1 | 1395.4 | 1403.2 | 1457.8 | 1530.8 | 1567.2 | 1617.5 | 1717.8 |
| 152.5° | 1413.3 | 1389.6 | 1365.9 | 1389.6 | 1413.3 | 1419.2 | 1468.6 | 1534.4 | 1567.2 | 1610.1 | 1695.8 |
| 155° | 1450.0 | 1432.5 | 1414.9 | 1432.5 | 1450.0 | 1454.3 | 1492.0 | 1542.1 | 1567.2 | 1601.3 | 1669.6 |
| 157.5° | 1485.2 | 1468.2 | 1451.2 | 1468.2 | 1485.2 | 1489.5 | 1515.4 | 1550.0 | 1567.2 | 1593.8 | 1646.8 |
| 160° | 1502.2 | 1488.9 | 1475.7 | 1488.9 | 1502.2 | 1505.5 | 1526.1 | 1553.5 | 1567.2 | 1590.0 | 1635.5 |
| 162.5° | 1520.1 | 1510.1 | 1500.2 | 1510.1 | 1520.1 | 1522.6 | 1537.4 | 1557.3 | 1567.2 | 1586.5 | 1624.8 |
| 165° | 1544.8 | 1535.7 | 1526.8 | 1535.7 | 1544.8 | 1547.0 | 1553.7 | 1562.7 | 1567.2 | 1581.0 | 1608.5 |
| 167.5° | 1559.8 | 1555.5 | 1551.3 | 1555.5 | 1559.8 | 1560.9 | 1566.6 | 1574.2 | 1577.9 | 1586.9 | 1604.9 |
| 170° | 1575.8 | 1571.5 | 1567.2 | 1571.5 | 1575.8 | 1576.9 | 1577.2 | 1577.7 | 1577.9 | 1586.9 | 1604.9 |
| 172.5° | 1577.7 | 1576.7 | 1575.8 | 1576.7 | 1577.7 | 1577.9 | 1577.9 | 1577.9 | 1577.9 | 1585.0 | 1599.2 |
| 175° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1584.3 | 1580.1 | 1577.9 | 1582.4 | 1591.4 |
| 177.5° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1585.0 | 1581.7 | 1580.1 | 1583.6 | 1590.7 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 |
| 2.5° | 1168.5 | 1165.1 | 1169.7 | 1157.1 | 1169.7 | 1165.1 | 1168.5 | 1176.6 | 1169.7 | 1174.3 | 1178.9 |
| 5° | 1025.4 | 1019.7 | 1001.3 | 986.4 | 1001.3 | 1019.7 | 1025.4 | 1049.4 | 1060.8 | 1081.5 | 1109.0 |
| 7.5° | 916.5 | 912.0 | 907.3 | 898.2 | 907.3 | 912.0 | 916.5 | 923.4 | 934.8 | 953.2 | 973.8 |
| 10° | 892.5 | 893.6 | 900.5 | 899.3 | 900.5 | 893.6 | 892.5 | 890.2 | 886.8 | 890.2 | 902.7 |
| 12.5° | 954.3 | 964.7 | 1002.4 | 1000.2 | 1002.4 | 964.7 | 954.3 | 908.5 | 877.5 | 871.8 | 874.1 |
| 15° | 1025.4 | 1028.8 | 1036.8 | 1037.9 | 1036.8 | 1028.8 | 1025.4 | 1007.0 | 914.3 | 874.1 | 861.6 |
| 17.5° | 1032.2 | 1033.4 | 1039.1 | 1039.1 | 1039.1 | 1033.4 | 1032.2 | 1024.2 | 993.3 | 939.5 | 868.4 |
| 20° | 1026.5 | 1028.8 | 1040.2 | 1042.5 | 1040.2 | 1028.8 | 1026.5 | 1016.2 | 999.0 | 979.5 | 925.7 |
| 22.5° | 1024.2 | 1028.8 | 1037.9 | 1036.8 | 1037.9 | 1028.8 | 1024.2 | 1008.1 | 993.3 | 979.5 | 957.7 |
| 25° | 1012.7 | 1012.7 | 1013.9 | 1015.0 | 1013.9 | 1012.7 | 1012.7 | 1000.2 | 970.4 | 967.0 | 954.3 |
| 27.5° | 988.7 | 991.0 | 997.9 | 996.7 | 997.9 | 991.0 | 988.7 | 984.1 | 952.0 | 948.6 | 939.5 |
| 30° | 967.0 | 964.7 | 958.9 | 954.3 | 958.9 | 964.7 | 967.0 | 960.0 | 928.0 | 918.8 | 921.1 |
| 32.5° | 930.2 | 924.5 | 918.8 | 915.4 | 918.8 | 924.5 | 930.2 | 928.0 | 903.9 | 891.3 | 893.6 |
| 35° | 886.8 | 887.9 | 886.8 | 883.3 | 886.8 | 887.9 | 886.8 | 889.1 | 874.1 | 862.7 | 861.6 |
| 37.5° | 855.8 | 858.1 | 856.9 | 852.3 | 856.9 | 858.1 | 855.8 | 853.5 | 832.9 | 829.4 | 831.7 |
| 40° | 823.7 | 824.8 | 823.7 | 820.3 | 823.7 | 824.8 | 823.7 | 819.1 | 790.5 | 791.6 | 799.6 |
| 42.5° | 792.8 | 791.6 | 788.2 | 785.9 | 788.2 | 791.6 | 792.8 | 785.9 | 749.2 | 745.8 | 760.7 |
| 45° | 757.3 | 758.4 | 751.5 | 748.1 | 751.5 | 758.4 | 757.3 | 752.7 | 714.9 | 705.7 | 716.0 |
| 47.5° | 721.7 | 721.7 | 716.0 | 712.6 | 716.0 | 721.7 | 721.7 | 716.0 | 676.0 | 666.7 | 672.5 |
| 50° | 684.0 | 682.8 | 674.8 | 673.7 | 674.8 | 682.8 | 684.0 | 680.5 | 638.1 | 630.1 | 630.1 |
| 52.5° | 640.4 | 640.4 | 641.5 | 643.8 | 641.5 | 640.4 | 640.4 | 641.5 | 603.8 | 595.8 | 593.4 |
| 55° | 602.6 | 603.8 | 611.8 | 614.0 | 611.8 | 603.8 | 602.6 | 602.6 | 568.3 | 560.2 | 555.6 |
| 57.5° | 563.6 | 563.6 | 569.4 | 569.4 | 569.4 | 563.6 | 563.6 | 561.3 | 528.1 | 521.3 | 519.0 |
| 60° | 519.0 | 521.3 | 525.9 | 524.7 | 525.9 | 521.3 | 519.0 | 516.7 | 488.0 | 483.4 | 475.4 |
| 62.5° | 472.0 | 474.3 | 475.4 | 473.2 | 475.4 | 474.3 | 472.0 | 465.2 | 448.0 | 444.5 | 434.2 |
| 65° | 422.7 | 425.0 | 426.2 | 423.9 | 426.2 | 425.0 | 422.7 | 419.3 | 406.7 | 401.0 | 391.8 |
| 67.5° | 372.3 | 371.2 | 370.0 | 374.6 | 370.0 | 371.2 | 372.3 | 367.8 | 359.8 | 355.1 | 342.6 |
| 70° | 320.8 | 320.8 | 319.6 | 321.9 | 319.6 | 320.8 | 320.8 | 317.3 | 312.8 | 309.4 | 297.8 |
| 72.5° | 265.8 | 264.6 | 269.2 | 265.8 | 269.2 | 264.6 | 265.8 | 264.6 | 262.4 | 258.9 | 247.4 |
| 75° | 211.9 | 214.2 | 211.9 | 215.4 | 211.9 | 214.2 | 211.9 | 213.1 | 211.9 | 209.7 | 201.7 |
| 77.5° | 161.5 | 163.8 | 161.5 | 161.5 | 161.5 | 163.8 | 161.5 | 162.7 | 162.7 | 162.7 | 155.8 |
| 80° | 114.5 | 113.4 | 113.4 | 112.2 | 113.4 | 113.4 | 114.5 | 114.5 | 115.7 | 113.4 | 111.1 |
| 82.5° | 73.3 | 72.2 | 72.2 | 74.5 | 72.2 | 72.2 | 73.3 | 74.5 | 72.2 | 72.2 | 72.2 |
| 85° | 40.1 | 41.3 | 38.9 | 38.9 | 38.9 | 41.3 | 40.1 | 37.8 | 40.1 | 40.1 | 38.9 |
| 87.5° | 14.9 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 14.9 | 16.1 | 16.1 | 16.1 | 17.2 |
| 90° | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 54.0 | 72.0 | 81.0 | 69.6 |
| 92.5° | 202.4 | 194.4 | 162.2 | 130.0 | 162.2 | 194.4 | 202.4 | 287.0 | 399.6 | 456.0 | 400.4 |
| 95° | 687.2 | 662.8 | 565.3 | 467.7 | 565.3 | 662.8 | 687.2 | 902.5 | 1189.4 | 1332.9 | 1125.7 |
| 97.5° | 1586.5 | 1540.1 | 1354.4 | 1168.8 | 1354.4 | 1540.1 | 1586.5 | 1722.5 | 1903.9 | 1994.6 | 1649.2 |
| 100° | 2227.8 | 2172.6 | 1951.4 | 1730.3 | 1951.4 | 2172.6 | 2227.8 | 2217.9 | 2204.7 | 2198.0 | 1814.7 |
| 102.5° | 2775.5 | 2728.2 | 2538.7 | 2349.4 | 2538.7 | 2728.2 | 2775.5 | 2602.2 | 2371.1 | 2255.6 | 1866.8 |
| 105° | 3414.8 | 3389.4 | 3287.5 | 3185.7 | 3287.5 | 3389.4 | 3414.8 | 3026.3 | 2508.2 | 2249.2 | 1872.7 |
| 107.5° | 3747.2 | 3753.4 | 3778.0 | 3802.6 | 3778.0 | 3753.4 | 3747.2 | 3205.3 | 2482.6 | 2121.3 | 1789.4 |
| 110° | 3832.5 | 3859.0 | 3965.0 | 4071.1 | 3965.0 | 3859.0 | 3832.5 | 3226.6 | 2418.7 | 2014.8 | 1715.5 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3778.1 | 3818.8 | 3981.7 | 4144.6 | 3981.7 | 3818.8 | 3778.1 | 3158.0 | 2331.2 | 1917.8 | 1650.9 |
| 115° | 3593.7 | 3650.2 | 3876.1 | 4101.9 | 3876.1 | 3650.2 | 3593.7 | 2996.4 | 2199.9 | 1801.7 | 1577.0 |
| 117.5° | 3339.1 | 3401.7 | 3652.3 | 3902.8 | 3652.3 | 3401.7 | 3339.1 | 2800.0 | 2081.2 | 1721.8 | 1530.7 |
| 120° | 3167.6 | 3228.4 | 3471.9 | 3715.2 | 3471.9 | 3228.4 | 3167.6 | 2675.0 | 2018.2 | 1689.8 | 1515.1 |
| 122.5° | 2996.0 | 3056.1 | 3296.2 | 3536.3 | 3296.2 | 3056.1 | 2996.0 | 2552.5 | 1961.0 | 1665.3 | 1506.9 |
| 125° | 2769.1 | 2824.3 | 3045.6 | 3266.7 | 3045.6 | 2824.3 | 2769.1 | 2392.2 | 1889.8 | 1638.6 | 1500.1 |
| 127.5° | 2586.9 | 2633.5 | 2820.2 | 3006.7 | 2820.2 | 2633.5 | 2586.9 | 2263.4 | 1831.9 | 1616.3 | 1496.3 |
| 130° | 2471.8 | 2515.0 | 2687.3 | 2859.7 | 2687.3 | 2515.0 | 2471.8 | 2183.8 | 1799.7 | 1607.7 | 1498.6 |
| 132.5° | 2373.8 | 2412.4 | 2566.7 | 2721.2 | 2566.7 | 2412.4 | 2373.8 | 2115.9 | 1772.1 | 1600.3 | 1500.2 |
| 135° | 2235.3 | 2268.6 | 2401.6 | 2534.7 | 2401.6 | 2268.6 | 2235.3 | 2019.4 | 1731.5 | 1587.5 | 1498.7 |
| 137.5° | 2133.0 | 2160.3 | 2269.2 | 2378.1 | 2269.2 | 2160.3 | 2133.0 | 1950.5 | 1707.1 | 1585.4 | 1508.0 |
| 140° | 2051.0 | 2076.5 | 2178.3 | 2280.1 | 2178.3 | 2076.5 | 2051.0 | 1893.3 | 1683.1 | 1577.9 | 1509.5 |
| 142.5° | 1993.4 | 2015.3 | 2102.9 | 2190.6 | 2102.9 | 2015.3 | 1993.4 | 1854.9 | 1670.2 | 1577.9 | 1515.0 |
| 145° | 1907.2 | 1923.8 | 1990.0 | 2056.3 | 1990.0 | 1923.8 | 1907.2 | 1793.8 | 1642.7 | 1567.2 | 1515.0 |
| 147.5° | 1834.7 | 1848.4 | 1903.3 | 1958.3 | 1903.3 | 1848.4 | 1834.7 | 1745.5 | 1626.7 | 1567.2 | 1525.4 |
| 150° | 1793.2 | 1804.3 | 1848.8 | 1893.3 | 1848.8 | 1804.3 | 1793.2 | 1717.8 | 1617.5 | 1567.2 | 1530.8 |
| 152.5° | 1760.1 | 1768.5 | 1802.1 | 1835.8 | 1802.1 | 1768.5 | 1760.1 | 1695.8 | 1610.1 | 1567.2 | 1534.4 |
| 155° | 1720.7 | 1726.3 | 1748.6 | 1770.8 | 1748.6 | 1726.3 | 1720.7 | 1669.6 | 1601.3 | 1567.2 | 1542.1 |
| 157.5° | 1686.6 | 1690.6 | 1706.1 | 1721.8 | 1706.1 | 1690.6 | 1686.6 | 1646.8 | 1593.8 | 1567.2 | 1550.0 |
| 160° | 1669.6 | 1671.8 | 1680.8 | 1689.8 | 1680.8 | 1671.8 | 1669.6 | 1635.5 | 1590.0 | 1567.2 | 1553.5 |
| 162.5° | 1653.6 | 1655.7 | 1664.2 | 1672.7 | 1664.2 | 1655.7 | 1653.6 | 1624.8 | 1586.5 | 1567.2 | 1557.3 |
| 165° | 1629.1 | 1631.3 | 1640.4 | 1649.3 | 1640.4 | 1631.3 | 1629.1 | 1608.5 | 1581.0 | 1567.2 | 1562.7 |
| 167.5° | 1618.4 | 1619.3 | 1623.2 | 1626.9 | 1623.2 | 1619.3 | 1618.4 | 1604.9 | 1586.9 | 1577.9 | 1574.2 |
| 170° | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1618.4 | 1604.9 | 1586.9 | 1577.9 | 1577.7 |
| 172.5° | 1609.9 | 1609.0 | 1605.8 | 1602.4 | 1605.8 | 1609.0 | 1609.9 | 1599.2 | 1585.0 | 1577.9 | 1577.9 |
| 175° | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1598.2 | 1591.4 | 1582.4 | 1577.9 | 1580.1 |
| 177.5° | 1596.0 | 1595.1 | 1591.2 | 1587.5 | 1591.2 | 1595.1 | 1596.0 | 1590.7 | 1583.6 | 1580.1 | 1581.7 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1211.0 | 1211.0 | 1211.0 | 1211.0 | 1211.0 |
| 2.5° | 1196.0 | 1201.8 | 1205.3 | 1209.8 | 1221.2 |
| 5° | 1150.3 | 1172.0 | 1178.9 | 1196.0 | 1216.7 |
| 7.5° | 1049.4 | 1115.8 | 1134.2 | 1175.5 | 1207.5 |
| 10° | 952.0 | 1018.5 | 1050.6 | 1147.9 | 1196.0 |
| 12.5° | 902.7 | 941.8 | 963.5 | 1099.9 | 1180.0 |
| 15° | 871.8 | 899.3 | 915.4 | 1035.6 | 1161.7 |
| 17.5° | 847.8 | 867.3 | 878.7 | 972.7 | 1136.5 |
| 20° | 832.9 | 842.1 | 852.3 | 926.8 | 1107.8 |
| 22.5° | 822.6 | 816.9 | 824.8 | 894.8 | 1068.9 |
| 25° | 815.7 | 793.9 | 803.1 | 869.6 | 1023.1 |
| 27.5° | 821.4 | 773.3 | 776.7 | 846.6 | 975.0 |
| 30° | 822.6 | 748.1 | 749.2 | 822.6 | 921.1 |
| 32.5° | 814.6 | 721.7 | 722.9 | 792.8 | 860.4 |
| 35° | 795.1 | 690.8 | 689.7 | 758.4 | 777.9 |
| 37.5° | 768.7 | 657.6 | 657.6 | 720.6 | 687.4 |
| 40° | 736.7 | 624.4 | 627.8 | 671.3 | 607.2 |
| 42.5° | 697.7 | 588.8 | 593.4 | 606.1 | 547.6 |
| 45° | 655.3 | 554.5 | 557.9 | 512.1 | 501.8 |
| 47.5° | 608.3 | 519.0 | 520.2 | 425.0 | 486.9 |
| 50° | 552.2 | 482.3 | 477.7 | 364.3 | 485.7 |
| 52.5° | 502.9 | 442.2 | 428.4 | 329.9 | 441.1 |
| 55° | 454.8 | 399.8 | 370.0 | 303.6 | 409.0 |
| 57.5° | 412.5 | 344.8 | 316.2 | 272.6 | 402.1 |
| 60° | 373.5 | 291.0 | 269.2 | 239.4 | 368.9 |
| 62.5° | 341.4 | 250.9 | 246.3 | 216.5 | 334.6 |
| 65° | 307.1 | 223.4 | 222.2 | 197.0 | 284.1 |
| 67.5° | 273.8 | 205.1 | 204.0 | 178.7 | 216.5 |
| 70° | 238.3 | 185.6 | 183.3 | 159.2 | 160.4 |
| 72.5° | 201.7 | 163.8 | 161.5 | 143.2 | 132.9 |
| 75° | 164.9 | 138.6 | 137.5 | 124.9 | 107.7 |
| 77.5° | 129.5 | 110.0 | 112.2 | 100.8 | 79.1 |
| 80° | 92.8 | 80.2 | 82.5 | 72.2 | 59.5 |
| 82.5° | 61.8 | 52.7 | 55.0 | 45.9 | 40.1 |
| 85° | 34.3 | 29.8 | 30.9 | 24.1 | 18.4 |
| 87.5° | 16.1 | 13.8 | 13.8 | 9.1 | 5.7 |
| 90° | 46.9 | 29.8 | 27.7 | 19.2 | 10.7 |
| 92.5° | 289.1 | 205.7 | 187.6 | 115.1 | 42.6 |
| 95° | 711.3 | 400.6 | 367.4 | 234.9 | 102.3 |
| 97.5° | 958.2 | 440.0 | 410.8 | 293.8 | 176.9 |
| 100° | 1048.1 | 473.1 | 446.5 | 340.5 | 234.4 |
| 102.5° | 1089.3 | 506.1 | 481.3 | 382.4 | 283.4 |
| 105° | 1119.8 | 555.1 | 534.2 | 450.3 | 366.5 |
| 107.5° | 1125.5 | 627.5 | 608.0 | 529.9 | 451.7 |
| 110° | 1116.9 | 668.0 | 650.4 | 579.9 | 509.3 |



TEST NUMBER: P935843

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1117.3 | 717.0 | 700.2 | 633.0 | 565.8 |
| 115° | 1127.6 | 790.6 | 775.0 | 713.0 | 651.0 |
| 117.5° | 1148.5 | 862.0 | 847.9 | 791.5 | 735.1 |
| 120° | 1165.6 | 903.5 | 890.3 | 837.2 | 784.2 |
| 122.5° | 1190.1 | 952.5 | 939.1 | 885.6 | 832.1 |
| 125° | 1223.1 | 1015.4 | 1003.2 | 954.4 | 905.6 |
| 127.5° | 1256.2 | 1076.1 | 1063.8 | 1014.5 | 965.3 |
| 130° | 1280.3 | 1116.6 | 1103.4 | 1050.3 | 997.3 |
| 132.5° | 1299.9 | 1149.7 | 1136.4 | 1083.4 | 1030.3 |
| 135° | 1321.2 | 1188.0 | 1176.0 | 1127.6 | 1079.3 |
| 137.5° | 1353.1 | 1236.9 | 1225.0 | 1177.2 | 1129.4 |
| 140° | 1372.7 | 1270.0 | 1259.0 | 1215.0 | 1170.9 |
| 142.5° | 1389.0 | 1294.5 | 1284.4 | 1243.6 | 1202.9 |
| 145° | 1410.3 | 1331.8 | 1323.0 | 1287.4 | 1251.9 |
| 147.5° | 1441.6 | 1378.7 | 1370.1 | 1335.5 | 1300.9 |
| 150° | 1457.8 | 1403.2 | 1395.4 | 1364.1 | 1332.9 |
| 152.5° | 1468.6 | 1419.2 | 1413.3 | 1389.6 | 1365.9 |
| 155° | 1492.0 | 1454.3 | 1450.0 | 1432.5 | 1414.9 |
| 157.5° | 1515.4 | 1489.5 | 1485.2 | 1468.2 | 1451.2 |
| 160° | 1526.1 | 1505.5 | 1502.2 | 1488.9 | 1475.7 |
| 162.5° | 1537.4 | 1522.6 | 1520.1 | 1510.1 | 1500.2 |
| 165° | 1553.7 | 1547.0 | 1544.8 | 1535.7 | 1526.8 |
| 167.5° | 1566.6 | 1560.9 | 1559.8 | 1555.5 | 1551.3 |
| 170° | 1577.2 | 1576.9 | 1575.8 | 1571.5 | 1567.2 |
| 172.5° | 1577.9 | 1577.9 | 1577.7 | 1576.7 | 1575.8 |
| 175° | 1584.3 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |
| 177.5° | 1585.0 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |
| 180° | 1587.5 | 1587.5 | 1587.5 | 1587.5 | 1587.5 |



TEST NUMBER: P935843
 CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-2700K

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 | 7.59 | 8.26 | 8.75 | 9.40 | 11.01 | 10.43 | 11.10 | 11.59 | 12.24 | 13.85 |
| | 3H | 8.06 | 8.65 | 9.22 | 9.80 | 11.42 | 11.76 | 12.36 | 12.93 | 13.51 | 15.13 |
| | 4H | 8.24 | 8.80 | 9.41 | 9.95 | 11.58 | 12.20 | 12.77 | 13.37 | 13.92 | 15.54 |
| | 6H | 8.35 | 8.87 | 9.53 | 10.02 | 11.66 | 12.48 | 13.00 | 13.66 | 14.15 | 15.79 |
| | 8H | 8.34 | 8.84 | 9.52 | 10.00 | 11.63 | 12.55 | 13.04 | 13.73 | 14.21 | 15.84 |
| | 12H | 8.31 | 8.77 | 9.49 | 9.94 | 11.59 | 12.58 | 13.05 | 13.77 | 14.21 | 15.86 |
| 4H | 2H | 8.60 | 9.17 | 9.78 | 10.32 | 11.95 | 10.82 | 11.38 | 12.00 | 12.53 | 14.16 |
| | 3H | 9.61 | 10.08 | 10.80 | 11.26 | 12.90 | 12.31 | 12.78 | 13.49 | 13.95 | 15.59 |
| | 4H | 9.88 | 10.31 | 11.07 | 11.48 | 13.14 | 12.83 | 13.26 | 14.01 | 14.43 | 16.08 |
| | 6H | 9.99 | 10.36 | 11.18 | 11.55 | 13.20 | 13.18 | 13.55 | 14.37 | 14.74 | 16.39 |
| | 8H | 9.99 | 10.34 | 11.18 | 11.52 | 13.18 | 13.29 | 13.63 | 14.47 | 14.81 | 16.47 |
| | 12H | 9.95 | 10.27 | 11.16 | 11.46 | 13.12 | 13.33 | 13.65 | 14.54 | 14.84 | 16.51 |
| 8H | 4H | 10.32 | 10.67 | 11.51 | 11.84 | 13.51 | 12.94 | 13.28 | 14.12 | 14.46 | 16.12 |
| | 6H | 10.57 | 10.86 | 11.78 | 12.08 | 13.74 | 13.36 | 13.65 | 14.57 | 14.87 | 16.53 |
| | 8H | 10.61 | 10.86 | 11.83 | 12.06 | 13.74 | 13.52 | 13.76 | 14.73 | 14.96 | 16.64 |
| | 12H | 10.59 | 10.81 | 11.80 | 12.00 | 13.71 | 13.61 | 13.83 | 14.82 | 15.02 | 16.73 |
| 12H | 4H | 10.32 | 10.63 | 11.52 | 11.82 | 13.49 | 12.89 | 13.20 | 14.10 | 14.39 | 16.06 |
| | 6H | 10.63 | 10.88 | 11.85 | 12.08 | 13.76 | 13.36 | 13.61 | 14.57 | 14.81 | 16.49 |
| | 8H | 10.69 | 10.91 | 11.91 | 12.10 | 13.81 | 13.51 | 13.73 | 14.73 | 14.93 | 16.64 |