

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: P935096

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935096
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

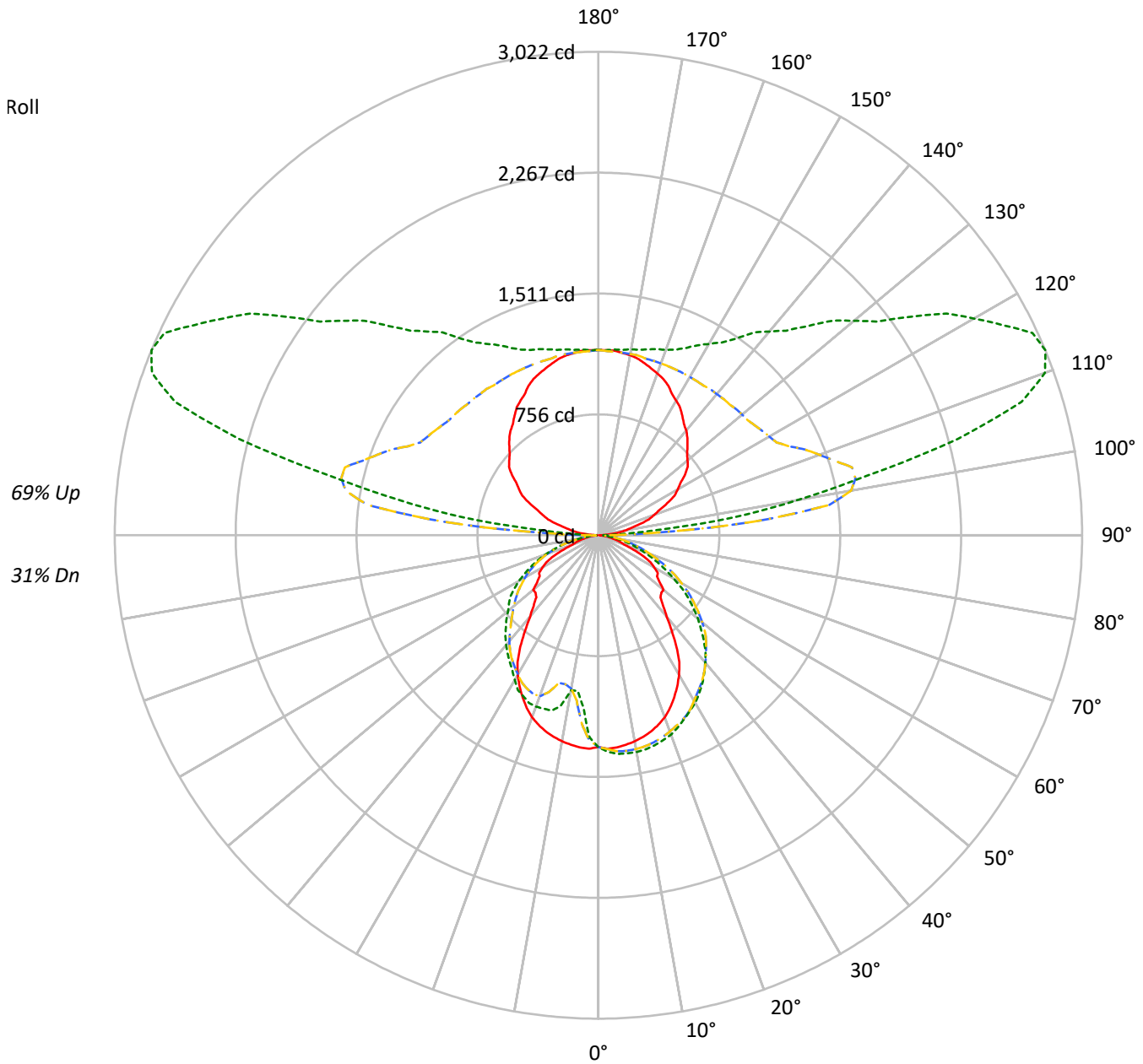
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10942.8 lumens
Efficiency: N/A
Efficacy: 132.8 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): 82.4
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: P935096
CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 6144 | 6144 | 6144 | 6144 |
| 5° | 6190 | 6202 | 6190 | 4877 |
| 10° | 6148 | 6109 | 6148 | 4367 |
| 15° | 6081 | 5977 | 6081 | 4991 |
| 20° | 5954 | 5820 | 5954 | 5001 |
| 25° | 5694 | 5591 | 5694 | 4895 |
| 30° | 5357 | 5402 | 5357 | 4663 |
| 35° | 4776 | 5161 | 4776 | 4406 |
| 40° | 3980 | 4878 | 3980 | 4214 |
| 45° | 3556 | 4547 | 3556 | 3992 |
| 50° | 3778 | 4153 | 3778 | 3768 |
| 55° | 3554 | 3728 | 3554 | 3639 |
| 60° | 3664 | 3166 | 3664 | 3333 |
| 65° | 3321 | 2617 | 3321 | 2925 |
| 70° | 2300 | 2086 | 2300 | 2452 |
| 75° | 2018 | 1542 | 2018 | 1847 |
| 80° | 1624 | 1019 | 1624 | 1109 |
| 85° | 936 | 541 | 936 | 459 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5450 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 119.5 | 1.1 |
| 10°-20° | 339.4 | 3.1 |
| 20°-30° | 524.6 | 4.8 |
| 30°-40° | 626.3 | 5.7 |
| 40°-50° | 630.0 | 5.8 |
| 50°-60° | 548.1 | 5.0 |
| 60°-70° | 388.6 | 3.6 |
| 70°-80° | 205.6 | 1.9 |
| 80°-90° | 55.6 | 0.5 |
| 90°-100° | 564.3 | 5.2 |
| 100°-110° | 1483.6 | 13.6 |
| 110°-120° | 1538.4 | 14.1 |
| 120°-130° | 1234.0 | 11.3 |
| 130°-140° | 968.2 | 8.8 |
| 140°-150° | 743.1 | 6.8 |
| 150°-160° | 535.2 | 4.9 |
| 160°-170° | 327.5 | 3.0 |
| 170°-180° | 110.6 | 1.0 |
| 0°-30° | 983.5 | 9.0 |
| 0°-40° | 1609.8 | 14.7 |
| 0°-60° | 2787.9 | 25.5 |
| 0°-90° | 3437.8 | 31.4 |
| 90°-120° | 3586.3 | 32.8 |
| 90°-150° | 6531.7 | 59.7 |
| 90°-180° | 7505.0 | 68.6 |
| 0°-180° | 10942.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1324 | 1324 | 1324 | 1324 | 1324 | |
| 5° | 1330 | 1372 | 1330 | 1079 | 1330 | 126 |
| 15° | 1270 | 1359 | 1270 | 1135 | 1270 | 357 |
| 25° | 1119 | 1268 | 1119 | 1110 | 1119 | 514 |
| 35° | 851 | 1131 | 851 | 966 | 851 | 526 |
| 45° | 549 | 932 | 549 | 818 | 549 | 440 |
| 55° | 447 | 688 | 447 | 672 | 447 | 411 |
| 65° | 311 | 415 | 311 | 464 | 311 | 297 |
| 75° | 118 | 197 | 118 | 236 | 118 | 124 |
| 85° | 20 | 50 | 20 | 43 | 20 | 27 |
| 90° | 8 | 30 | 8 | 30 | 8 | 7 |
| 95° | 75 | 341 | 75 | 341 | 75 | 83 |
| 105° | 267 | 2323 | 267 | 2323 | 267 | 283 |
| 115° | 475 | 2991 | 475 | 2991 | 475 | 469 |
| 125° | 660 | 2382 | 660 | 2382 | 660 | 586 |
| 135° | 787 | 1848 | 787 | 1848 | 787 | 609 |
| 145° | 913 | 1500 | 913 | 1500 | 913 | 572 |
| 155° | 1032 | 1291 | 1032 | 1291 | 1032 | 474 |
| 165° | 1113 | 1203 | 1113 | 1203 | 1113 | 314 |
| 175° | 1158 | 1165 | 1158 | 1165 | 1158 | 110 |
| 180° | 1158 | 1158 | 1158 | 1158 | 1158 | |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5° | 1335.4 | 1335.4 | 1343.0 | 1345.5 | 1345.5 | 1341.7 | 1338.0 | 1341.7 | 1353.0 | 1356.7 | 1355.5 |
| 5° | 1330.5 | 1340.5 | 1354.3 | 1356.7 | 1359.3 | 1358.0 | 1355.5 | 1358.0 | 1370.6 | 1373.1 | 1374.3 |
| 7.5° | 1320.4 | 1339.3 | 1356.7 | 1360.6 | 1364.3 | 1360.6 | 1359.3 | 1361.8 | 1374.3 | 1376.8 | 1376.8 |
| 10° | 1307.9 | 1334.2 | 1354.3 | 1356.7 | 1360.6 | 1356.7 | 1356.7 | 1361.8 | 1374.3 | 1376.8 | 1378.0 |
| 12.5° | 1290.3 | 1326.7 | 1345.5 | 1347.9 | 1353.0 | 1351.8 | 1350.5 | 1355.5 | 1368.0 | 1370.6 | 1370.6 |
| 15° | 1270.3 | 1312.9 | 1330.5 | 1332.9 | 1341.7 | 1339.3 | 1339.3 | 1344.2 | 1358.0 | 1361.8 | 1360.6 |
| 17.5° | 1242.8 | 1295.4 | 1315.4 | 1319.2 | 1325.4 | 1324.2 | 1325.4 | 1330.5 | 1343.0 | 1345.5 | 1346.7 |
| 20° | 1211.4 | 1271.5 | 1295.4 | 1299.1 | 1305.4 | 1305.4 | 1305.4 | 1311.6 | 1324.2 | 1329.2 | 1329.2 |
| 22.5° | 1168.8 | 1246.5 | 1271.5 | 1274.1 | 1281.6 | 1281.6 | 1284.1 | 1292.8 | 1304.1 | 1305.4 | 1305.4 |
| 25° | 1118.7 | 1219.0 | 1240.3 | 1247.7 | 1255.3 | 1259.0 | 1262.8 | 1267.8 | 1271.5 | 1270.3 | 1271.5 |
| 27.5° | 1066.2 | 1183.8 | 1211.4 | 1216.4 | 1226.4 | 1230.3 | 1235.2 | 1236.5 | 1237.7 | 1241.5 | 1239.0 |
| 30° | 1007.2 | 1135.0 | 1176.4 | 1181.4 | 1197.7 | 1200.2 | 1195.1 | 1197.7 | 1203.9 | 1206.4 | 1209.0 |
| 32.5° | 940.8 | 1062.3 | 1140.0 | 1151.3 | 1166.4 | 1158.8 | 1157.6 | 1161.3 | 1171.3 | 1171.3 | 1173.9 |
| 35° | 850.6 | 1006.0 | 1106.2 | 1116.2 | 1127.5 | 1118.7 | 1123.8 | 1125.0 | 1131.3 | 1135.0 | 1133.8 |
| 37.5° | 751.7 | 957.2 | 1071.1 | 1078.7 | 1087.5 | 1076.2 | 1083.6 | 1087.5 | 1092.4 | 1089.9 | 1089.9 |
| 40° | 664.0 | 880.7 | 1029.8 | 1034.8 | 1042.3 | 1033.6 | 1041.0 | 1043.6 | 1046.1 | 1043.6 | 1042.3 |
| 42.5° | 598.8 | 796.8 | 985.9 | 992.2 | 987.1 | 993.5 | 995.9 | 1001.0 | 997.2 | 992.2 | 992.2 |
| 45° | 548.7 | 774.2 | 938.3 | 945.9 | 938.3 | 948.4 | 952.1 | 952.1 | 940.8 | 938.3 | 937.1 |
| 47.5° | 532.5 | 729.1 | 890.8 | 890.8 | 886.9 | 899.5 | 905.8 | 897.0 | 885.7 | 882.0 | 882.0 |
| 50° | 531.2 | 679.0 | 825.6 | 820.6 | 838.1 | 853.1 | 846.9 | 838.1 | 829.3 | 815.6 | 815.6 |
| 52.5° | 482.3 | 617.7 | 741.7 | 760.5 | 788.0 | 796.8 | 786.7 | 778.0 | 763.0 | 756.6 | 751.7 |
| 55° | 447.2 | 553.8 | 665.2 | 702.8 | 731.6 | 742.9 | 724.1 | 715.4 | 692.7 | 689.0 | 686.5 |
| 57.5° | 439.7 | 461.0 | 595.1 | 642.7 | 677.7 | 676.5 | 665.2 | 648.9 | 630.2 | 626.4 | 625.1 |
| 60° | 403.4 | 333.3 | 519.9 | 576.3 | 612.6 | 608.9 | 598.8 | 583.8 | 566.3 | 563.8 | 561.2 |
| 62.5° | 365.8 | 241.8 | 434.7 | 498.6 | 549.9 | 548.7 | 539.9 | 517.4 | 504.8 | 498.6 | 493.6 |
| 65° | 310.6 | 203.0 | 309.4 | 414.7 | 488.6 | 491.1 | 472.3 | 456.0 | 442.2 | 434.7 | 433.5 |
| 67.5° | 236.8 | 165.4 | 209.2 | 345.8 | 429.7 | 427.2 | 403.4 | 395.9 | 378.4 | 374.6 | 367.1 |
| 70° | 175.4 | 110.2 | 145.3 | 280.7 | 372.1 | 365.8 | 347.0 | 338.3 | 321.9 | 313.2 | 308.2 |
| 72.5° | 145.3 | 88.9 | 106.5 | 218.0 | 313.2 | 305.7 | 289.4 | 279.4 | 265.6 | 258.1 | 253.0 |
| 75° | 117.8 | 94.0 | 81.4 | 161.6 | 254.3 | 249.3 | 234.2 | 224.3 | 213.0 | 203.0 | 204.2 |
| 77.5° | 86.5 | 87.7 | 65.1 | 119.0 | 201.7 | 194.2 | 185.4 | 172.9 | 167.8 | 157.8 | 157.8 |
| 80° | 65.1 | 68.9 | 48.8 | 81.4 | 145.3 | 145.3 | 137.8 | 129.1 | 120.3 | 115.3 | 115.3 |
| 82.5° | 43.8 | 43.8 | 36.3 | 51.4 | 99.0 | 95.2 | 90.2 | 87.7 | 82.7 | 80.1 | 80.1 |
| 85° | 20.1 | 25.0 | 22.5 | 31.3 | 53.9 | 56.4 | 56.4 | 53.9 | 52.6 | 50.2 | 51.4 |
| 87.5° | 6.3 | 11.3 | 13.8 | 17.6 | 27.6 | 28.9 | 30.1 | 30.1 | 30.1 | 31.3 | 31.3 |
| 90° | 7.8 | 14.0 | 20.2 | 21.8 | 34.2 | 50.7 | 59.0 | 52.5 | 39.3 | 29.5 | 29.5 |
| 92.5° | 31.1 | 84.0 | 136.8 | 150.0 | 210.8 | 292.0 | 332.5 | 291.4 | 209.3 | 147.7 | 141.8 |
| 95° | 74.6 | 171.3 | 268.0 | 292.2 | 518.7 | 820.9 | 972.0 | 867.4 | 658.1 | 501.2 | 483.4 |
| 97.5° | 129.0 | 214.3 | 299.6 | 320.9 | 698.8 | 1202.6 | 1454.5 | 1388.4 | 1256.1 | 1156.9 | 1123.1 |
| 100° | 170.9 | 248.3 | 325.7 | 345.0 | 764.3 | 1323.4 | 1602.9 | 1607.8 | 1617.4 | 1624.7 | 1584.3 |
| 102.5° | 206.7 | 278.8 | 351.0 | 369.0 | 794.3 | 1361.3 | 1644.9 | 1729.1 | 1897.7 | 2024.1 | 1989.5 |
| 105° | 267.3 | 328.4 | 389.5 | 404.8 | 816.6 | 1365.7 | 1640.2 | 1829.1 | 2206.9 | 2490.2 | 2471.6 |
| 107.5° | 329.4 | 386.4 | 443.4 | 457.7 | 820.8 | 1304.9 | 1547.0 | 1810.5 | 2337.4 | 2732.6 | 2737.1 |
| 110° | 371.4 | 422.8 | 474.3 | 487.2 | 814.5 | 1251.0 | 1469.3 | 1763.9 | 2352.9 | 2794.8 | 2814.1 |



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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.5 | 461.6 | 510.7 | 522.9 | 814.8 | 1204.0 | 1398.6 | 1700.1 | 2303.0 | 2755.2 | 2784.9 |
| 115° | 474.8 | 520.0 | 565.3 | 576.6 | 822.3 | 1150.0 | 1313.9 | 1604.3 | 2185.2 | 2620.8 | 2662.0 |
| 117.5° | 536.1 | 577.2 | 618.3 | 628.6 | 837.6 | 1116.2 | 1255.6 | 1517.7 | 2041.9 | 2435.0 | 2480.7 |
| 120° | 571.9 | 610.6 | 649.2 | 658.8 | 850.0 | 1104.9 | 1232.3 | 1471.8 | 1950.8 | 2310.0 | 2354.3 |
| 122.5° | 606.8 | 645.9 | 684.9 | 694.6 | 867.9 | 1098.9 | 1214.4 | 1430.0 | 1861.4 | 2184.9 | 2228.7 |
| 125° | 660.4 | 696.0 | 731.6 | 740.5 | 892.0 | 1094.0 | 1195.0 | 1378.2 | 1744.6 | 2019.4 | 2059.8 |
| 127.5° | 704.0 | 739.8 | 775.8 | 784.7 | 916.1 | 1091.2 | 1178.7 | 1336.0 | 1650.6 | 1886.5 | 1920.5 |
| 130° | 727.2 | 765.9 | 804.5 | 814.3 | 933.6 | 1092.9 | 1172.5 | 1312.5 | 1592.6 | 1802.6 | 1834.0 |
| 132.5° | 751.3 | 790.0 | 828.6 | 838.4 | 947.9 | 1094.0 | 1167.0 | 1292.4 | 1543.1 | 1731.1 | 1759.2 |
| 135° | 787.1 | 822.3 | 857.6 | 866.4 | 963.5 | 1093.0 | 1157.7 | 1262.7 | 1472.6 | 1630.1 | 1654.4 |
| 137.5° | 823.6 | 858.4 | 893.4 | 902.1 | 986.8 | 1099.7 | 1156.1 | 1244.8 | 1422.4 | 1555.5 | 1575.4 |
| 140° | 853.9 | 886.0 | 918.1 | 926.2 | 1001.0 | 1100.8 | 1150.7 | 1227.4 | 1380.7 | 1495.7 | 1514.3 |
| 142.5° | 877.2 | 906.9 | 936.6 | 944.0 | 1012.9 | 1104.7 | 1150.7 | 1218.0 | 1352.7 | 1453.8 | 1469.7 |
| 145° | 913.0 | 938.9 | 964.8 | 971.3 | 1028.5 | 1104.8 | 1142.9 | 1198.0 | 1308.2 | 1390.8 | 1402.9 |
| 147.5° | 948.7 | 973.9 | 999.1 | 1005.5 | 1051.3 | 1112.4 | 1142.9 | 1186.3 | 1272.9 | 1338.0 | 1347.9 |
| 150° | 972.0 | 994.8 | 1017.6 | 1023.3 | 1063.2 | 1116.3 | 1142.9 | 1179.5 | 1252.8 | 1307.7 | 1315.8 |
| 152.5° | 996.1 | 1013.4 | 1030.7 | 1035.0 | 1070.9 | 1118.9 | 1142.9 | 1174.2 | 1236.7 | 1283.6 | 1289.8 |
| 155° | 1031.8 | 1044.6 | 1057.4 | 1060.6 | 1088.0 | 1124.6 | 1142.9 | 1167.8 | 1217.6 | 1254.8 | 1258.8 |
| 157.5° | 1058.2 | 1070.6 | 1083.2 | 1086.2 | 1105.1 | 1130.3 | 1142.9 | 1162.3 | 1200.9 | 1230.0 | 1232.8 |
| 160° | 1076.2 | 1085.9 | 1095.5 | 1097.9 | 1113.0 | 1132.9 | 1142.9 | 1159.6 | 1192.7 | 1217.6 | 1219.2 |
| 162.5° | 1094.0 | 1101.3 | 1108.6 | 1110.3 | 1121.2 | 1135.7 | 1142.9 | 1156.9 | 1184.9 | 1205.9 | 1207.5 |
| 165° | 1113.4 | 1120.0 | 1126.5 | 1128.2 | 1133.1 | 1139.7 | 1142.9 | 1152.9 | 1173.0 | 1188.0 | 1189.7 |
| 167.5° | 1131.3 | 1134.3 | 1137.5 | 1138.3 | 1142.4 | 1147.9 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.9 |
| 170° | 1142.9 | 1146.0 | 1149.2 | 1149.9 | 1150.2 | 1150.5 | 1150.7 | 1157.2 | 1170.4 | 1180.2 | 1180.2 |
| 172.5° | 1149.2 | 1149.8 | 1150.5 | 1150.7 | 1150.7 | 1150.7 | 1150.7 | 1155.9 | 1166.3 | 1174.0 | 1173.5 |
| 175° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.4 | 1152.3 | 1150.7 | 1154.0 | 1160.5 | 1165.4 | 1165.4 |
| 177.5° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.9 | 1153.5 | 1152.3 | 1154.9 | 1160.0 | 1164.0 | 1163.3 |
| 180° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5° | 1358.0 | 1354.3 | 1358.0 | 1355.5 | 1356.7 | 1353.0 | 1341.7 | 1338.0 | 1341.7 | 1345.5 | 1345.5 |
| 5° | 1374.3 | 1371.8 | 1374.3 | 1374.3 | 1373.1 | 1370.6 | 1358.0 | 1355.5 | 1358.0 | 1359.3 | 1356.7 |
| 7.5° | 1379.3 | 1375.6 | 1379.3 | 1376.8 | 1376.8 | 1374.3 | 1361.8 | 1359.3 | 1360.6 | 1364.3 | 1360.6 |
| 10° | 1379.3 | 1375.6 | 1379.3 | 1378.0 | 1376.8 | 1374.3 | 1361.8 | 1356.7 | 1356.7 | 1360.6 | 1356.7 |
| 12.5° | 1373.1 | 1370.6 | 1373.1 | 1370.6 | 1370.6 | 1368.0 | 1355.5 | 1350.5 | 1351.8 | 1353.0 | 1347.9 |
| 15° | 1363.0 | 1359.3 | 1363.0 | 1360.6 | 1361.8 | 1358.0 | 1344.2 | 1339.3 | 1339.3 | 1341.7 | 1332.9 |
| 17.5° | 1347.9 | 1343.0 | 1347.9 | 1346.7 | 1345.5 | 1343.0 | 1330.5 | 1325.4 | 1324.2 | 1325.4 | 1319.2 |
| 20° | 1330.5 | 1326.7 | 1330.5 | 1329.2 | 1329.2 | 1324.2 | 1311.6 | 1305.4 | 1305.4 | 1305.4 | 1299.1 |
| 22.5° | 1302.9 | 1299.1 | 1302.9 | 1305.4 | 1305.4 | 1304.1 | 1292.8 | 1284.1 | 1281.6 | 1281.6 | 1274.1 |
| 25° | 1271.5 | 1267.8 | 1271.5 | 1271.5 | 1270.3 | 1271.5 | 1267.8 | 1262.8 | 1259.0 | 1255.3 | 1247.7 |
| 27.5° | 1241.5 | 1239.0 | 1241.5 | 1239.0 | 1241.5 | 1237.7 | 1236.5 | 1235.2 | 1230.3 | 1226.4 | 1216.4 |
| 30° | 1211.4 | 1209.0 | 1211.4 | 1209.0 | 1206.4 | 1203.9 | 1197.7 | 1195.1 | 1200.2 | 1197.7 | 1181.4 |
| 32.5° | 1173.9 | 1171.3 | 1173.9 | 1173.9 | 1171.3 | 1171.3 | 1161.3 | 1157.6 | 1158.8 | 1166.4 | 1151.3 |
| 35° | 1135.0 | 1131.3 | 1135.0 | 1133.8 | 1135.0 | 1131.3 | 1125.0 | 1123.8 | 1118.7 | 1127.5 | 1116.2 |
| 37.5° | 1089.9 | 1086.1 | 1089.9 | 1089.9 | 1089.9 | 1092.4 | 1087.5 | 1083.6 | 1076.2 | 1087.5 | 1078.7 |
| 40° | 1043.6 | 1038.5 | 1043.6 | 1042.3 | 1043.6 | 1046.1 | 1043.6 | 1041.0 | 1033.6 | 1042.3 | 1034.8 |
| 42.5° | 991.0 | 989.7 | 991.0 | 992.2 | 992.2 | 997.2 | 1001.0 | 995.9 | 993.5 | 987.1 | 992.2 |
| 45° | 934.6 | 932.0 | 934.6 | 937.1 | 938.3 | 940.8 | 952.1 | 952.1 | 948.4 | 938.3 | 945.9 |
| 47.5° | 874.4 | 868.2 | 874.4 | 882.0 | 882.0 | 885.7 | 897.0 | 905.8 | 899.5 | 886.9 | 890.8 |
| 50° | 810.5 | 811.8 | 810.5 | 815.6 | 815.6 | 829.3 | 838.1 | 846.9 | 853.1 | 838.1 | 820.6 |
| 52.5° | 747.9 | 746.6 | 747.9 | 751.7 | 756.6 | 763.0 | 778.0 | 786.7 | 796.8 | 788.0 | 760.5 |
| 55° | 685.3 | 687.8 | 685.3 | 686.5 | 689.0 | 692.7 | 715.4 | 724.1 | 742.9 | 731.6 | 702.8 |
| 57.5° | 622.6 | 618.9 | 622.6 | 625.1 | 626.4 | 630.2 | 648.9 | 665.2 | 676.5 | 677.7 | 642.7 |
| 60° | 549.9 | 545.0 | 549.9 | 561.2 | 563.8 | 566.3 | 583.8 | 598.8 | 608.9 | 612.6 | 576.3 |
| 62.5° | 486.1 | 477.3 | 486.1 | 493.6 | 498.6 | 504.8 | 517.4 | 539.9 | 548.7 | 549.9 | 498.6 |
| 65° | 418.4 | 414.7 | 418.4 | 433.5 | 434.7 | 442.2 | 456.0 | 472.3 | 491.1 | 488.6 | 414.7 |
| 67.5° | 357.1 | 357.1 | 357.1 | 367.1 | 374.6 | 378.4 | 395.9 | 403.4 | 427.2 | 429.7 | 345.8 |
| 70° | 300.7 | 299.4 | 300.7 | 308.2 | 313.2 | 321.9 | 338.3 | 347.0 | 365.8 | 372.1 | 280.7 |
| 72.5° | 246.8 | 245.5 | 246.8 | 253.0 | 258.1 | 265.6 | 279.4 | 289.4 | 305.7 | 313.2 | 218.0 |
| 75° | 199.2 | 196.7 | 199.2 | 204.2 | 203.0 | 213.0 | 224.3 | 234.2 | 249.3 | 254.3 | 161.6 |
| 77.5° | 152.8 | 152.8 | 152.8 | 157.8 | 157.8 | 167.8 | 172.9 | 185.4 | 194.2 | 201.7 | 119.0 |
| 80° | 114.0 | 112.7 | 114.0 | 115.3 | 115.3 | 120.3 | 129.1 | 137.8 | 145.3 | 145.3 | 81.4 |
| 82.5° | 80.1 | 77.7 | 80.1 | 80.1 | 80.1 | 82.7 | 87.7 | 90.2 | 95.2 | 99.0 | 51.4 |
| 85° | 50.2 | 50.2 | 50.2 | 51.4 | 50.2 | 52.6 | 53.9 | 56.4 | 56.4 | 53.9 | 31.3 |
| 87.5° | 32.6 | 31.3 | 32.6 | 31.3 | 31.3 | 30.1 | 30.1 | 30.1 | 28.9 | 27.6 | 17.6 |
| 90° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 39.3 | 52.5 | 59.0 | 50.7 | 34.2 | 21.8 |
| 92.5° | 118.3 | 94.8 | 118.3 | 141.8 | 147.7 | 209.3 | 291.4 | 332.5 | 292.0 | 210.8 | 150.0 |
| 95° | 412.3 | 341.1 | 412.3 | 483.4 | 501.2 | 658.1 | 867.4 | 972.0 | 820.9 | 518.7 | 292.2 |
| 97.5° | 987.7 | 852.4 | 987.7 | 1123.1 | 1156.9 | 1256.1 | 1388.4 | 1454.5 | 1202.6 | 698.8 | 320.9 |
| 100° | 1423.1 | 1261.8 | 1423.1 | 1584.3 | 1624.7 | 1617.4 | 1607.8 | 1602.9 | 1323.4 | 764.3 | 345.0 |
| 102.5° | 1851.4 | 1713.2 | 1851.4 | 1989.5 | 2024.1 | 1897.7 | 1729.1 | 1644.9 | 1361.3 | 794.3 | 369.0 |
| 105° | 2397.4 | 2323.1 | 2397.4 | 2471.6 | 2490.2 | 2206.9 | 1829.1 | 1640.2 | 1365.7 | 816.6 | 404.8 |
| 107.5° | 2755.1 | 2773.0 | 2755.1 | 2737.1 | 2732.6 | 2337.4 | 1810.5 | 1547.0 | 1304.9 | 820.8 | 457.7 |
| 110° | 2891.5 | 2968.8 | 2891.5 | 2814.1 | 2794.8 | 2352.9 | 1763.9 | 1469.3 | 1251.0 | 814.5 | 487.2 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2903.6 | 3022.4 | 2903.6 | 2784.9 | 2755.2 | 2303.0 | 1700.1 | 1398.6 | 1204.0 | 814.8 | 522.9 |
| 115° | 2826.7 | 2991.4 | 2826.7 | 2662.0 | 2620.8 | 2185.2 | 1604.3 | 1313.9 | 1150.0 | 822.3 | 576.6 |
| 117.5° | 2663.4 | 2846.1 | 2663.4 | 2480.7 | 2435.0 | 2041.9 | 1517.7 | 1255.6 | 1116.2 | 837.6 | 628.6 |
| 120° | 2531.9 | 2709.3 | 2531.9 | 2354.3 | 2310.0 | 1950.8 | 1471.8 | 1232.3 | 1104.9 | 850.0 | 658.8 |
| 122.5° | 2403.7 | 2578.8 | 2403.7 | 2228.7 | 2184.9 | 1861.4 | 1430.0 | 1214.4 | 1098.9 | 867.9 | 694.6 |
| 125° | 2221.0 | 2382.3 | 2221.0 | 2059.8 | 2019.4 | 1744.6 | 1378.2 | 1195.0 | 1094.0 | 892.0 | 740.5 |
| 127.5° | 2056.6 | 2192.7 | 2056.6 | 1920.5 | 1886.5 | 1650.6 | 1336.0 | 1178.7 | 1091.2 | 916.1 | 784.7 |
| 130° | 1959.7 | 2085.4 | 1959.7 | 1834.0 | 1802.6 | 1592.6 | 1312.5 | 1172.5 | 1092.9 | 933.6 | 814.3 |
| 132.5° | 1871.8 | 1984.4 | 1871.8 | 1759.2 | 1731.1 | 1543.1 | 1292.4 | 1167.0 | 1094.0 | 947.9 | 838.4 |
| 135° | 1751.4 | 1848.5 | 1751.4 | 1654.4 | 1630.1 | 1472.6 | 1262.7 | 1157.7 | 1093.0 | 963.5 | 866.4 |
| 137.5° | 1654.8 | 1734.3 | 1654.8 | 1575.4 | 1555.5 | 1422.4 | 1244.8 | 1156.1 | 1099.7 | 986.8 | 902.1 |
| 140° | 1588.5 | 1662.7 | 1588.5 | 1514.3 | 1495.7 | 1380.7 | 1227.4 | 1150.7 | 1100.8 | 1001.0 | 926.2 |
| 142.5° | 1533.6 | 1597.5 | 1533.6 | 1469.7 | 1453.8 | 1352.7 | 1218.0 | 1150.7 | 1104.7 | 1012.9 | 944.0 |
| 145° | 1451.2 | 1499.5 | 1451.2 | 1402.9 | 1390.8 | 1308.2 | 1198.0 | 1142.9 | 1104.8 | 1028.5 | 971.3 |
| 147.5° | 1388.0 | 1428.1 | 1388.0 | 1347.9 | 1338.0 | 1272.9 | 1186.3 | 1142.9 | 1112.4 | 1051.3 | 1005.5 |
| 150° | 1348.2 | 1380.7 | 1348.2 | 1315.8 | 1307.7 | 1252.8 | 1179.5 | 1142.9 | 1116.3 | 1063.2 | 1023.3 |
| 152.5° | 1314.2 | 1338.7 | 1314.2 | 1289.8 | 1283.6 | 1236.7 | 1174.2 | 1142.9 | 1118.9 | 1070.9 | 1035.0 |
| 155° | 1275.1 | 1291.3 | 1275.1 | 1258.8 | 1254.8 | 1217.6 | 1167.8 | 1142.9 | 1124.6 | 1088.0 | 1060.6 |
| 157.5° | 1244.2 | 1255.6 | 1244.2 | 1232.8 | 1230.0 | 1200.9 | 1162.3 | 1142.9 | 1130.3 | 1105.1 | 1086.2 |
| 160° | 1225.8 | 1232.3 | 1225.8 | 1219.2 | 1217.6 | 1192.7 | 1159.6 | 1142.9 | 1132.9 | 1113.0 | 1097.9 |
| 162.5° | 1213.6 | 1219.9 | 1213.6 | 1207.5 | 1205.9 | 1184.9 | 1156.9 | 1142.9 | 1135.7 | 1121.2 | 1110.3 |
| 165° | 1196.3 | 1202.8 | 1196.3 | 1189.7 | 1188.0 | 1173.0 | 1152.9 | 1142.9 | 1139.7 | 1133.1 | 1128.2 |
| 167.5° | 1183.7 | 1186.5 | 1183.7 | 1180.9 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1147.9 | 1142.4 | 1138.3 |
| 170° | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1150.5 | 1150.2 | 1149.9 |
| 172.5° | 1171.0 | 1168.6 | 1171.0 | 1173.5 | 1174.0 | 1166.3 | 1155.9 | 1150.7 | 1150.7 | 1150.7 | 1150.7 |
| 175° | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1160.5 | 1154.0 | 1150.7 | 1152.3 | 1155.4 | 1157.7 |
| 177.5° | 1160.5 | 1157.7 | 1160.5 | 1163.3 | 1164.0 | 1160.0 | 1154.9 | 1152.3 | 1153.5 | 1155.9 | 1157.7 |
| 180° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5° | 1343.0 | 1335.4 | 1335.4 | 1322.9 | 1318.0 | 1314.1 | 1307.9 | 1289.1 | 1284.1 | 1279.1 | 1286.6 |
| 5° | 1354.3 | 1340.5 | 1330.5 | 1307.9 | 1289.1 | 1281.6 | 1257.8 | 1212.7 | 1182.6 | 1160.0 | 1147.5 |
| 7.5° | 1356.7 | 1339.3 | 1320.4 | 1285.4 | 1240.3 | 1220.2 | 1147.5 | 1064.9 | 1042.3 | 1022.3 | 1009.7 |
| 10° | 1354.3 | 1334.2 | 1307.9 | 1255.3 | 1148.8 | 1113.7 | 1041.0 | 987.1 | 973.4 | 969.7 | 973.4 |
| 12.5° | 1345.5 | 1326.7 | 1290.3 | 1202.7 | 1053.6 | 1029.8 | 987.1 | 955.9 | 953.3 | 959.6 | 993.5 |
| 15° | 1330.5 | 1312.9 | 1270.3 | 1132.5 | 1001.0 | 983.4 | 953.3 | 942.1 | 955.9 | 999.8 | 1101.2 |
| 17.5° | 1315.4 | 1295.4 | 1242.8 | 1063.6 | 960.9 | 948.4 | 927.1 | 949.6 | 1027.3 | 1086.1 | 1120.0 |
| 20° | 1295.4 | 1271.5 | 1211.4 | 1013.5 | 932.0 | 920.8 | 910.7 | 1012.3 | 1071.1 | 1092.4 | 1111.2 |
| 22.5° | 1271.5 | 1246.5 | 1168.8 | 978.5 | 902.0 | 893.3 | 899.5 | 1047.3 | 1071.1 | 1086.1 | 1102.4 |
| 25° | 1240.3 | 1219.0 | 1118.7 | 950.9 | 878.2 | 868.2 | 892.0 | 1043.6 | 1057.4 | 1061.1 | 1093.7 |
| 27.5° | 1211.4 | 1183.8 | 1066.2 | 925.8 | 849.4 | 845.6 | 898.2 | 1027.3 | 1037.3 | 1041.0 | 1076.2 |
| 30° | 1176.4 | 1135.0 | 1007.2 | 899.5 | 819.3 | 818.1 | 899.5 | 1007.2 | 1004.7 | 1014.8 | 1049.8 |
| 32.5° | 1140.0 | 1062.3 | 940.8 | 866.9 | 790.5 | 789.2 | 890.8 | 977.2 | 974.6 | 988.5 | 1014.8 |
| 35° | 1106.2 | 1006.0 | 850.6 | 829.3 | 754.2 | 755.4 | 869.5 | 942.1 | 943.3 | 955.9 | 972.2 |
| 37.5° | 1071.1 | 957.2 | 751.7 | 788.0 | 719.1 | 719.1 | 840.6 | 909.5 | 907.0 | 910.7 | 933.3 |
| 40° | 1029.8 | 880.7 | 664.0 | 734.1 | 686.5 | 682.8 | 805.6 | 874.4 | 865.6 | 864.4 | 895.7 |
| 42.5° | 985.9 | 796.8 | 598.8 | 662.8 | 648.9 | 643.9 | 763.0 | 831.8 | 815.6 | 819.3 | 859.4 |
| 45° | 938.3 | 774.2 | 548.7 | 560.0 | 610.1 | 606.4 | 716.6 | 783.0 | 771.7 | 781.8 | 823.0 |
| 47.5° | 890.8 | 729.1 | 532.5 | 464.8 | 568.8 | 567.5 | 665.2 | 735.3 | 729.1 | 739.2 | 783.0 |
| 50° | 825.6 | 679.0 | 531.2 | 398.4 | 522.4 | 527.4 | 603.8 | 689.0 | 689.0 | 697.8 | 744.1 |
| 52.5° | 741.7 | 617.7 | 482.3 | 360.8 | 468.5 | 483.5 | 549.9 | 648.9 | 651.5 | 660.2 | 701.5 |
| 55° | 665.2 | 553.8 | 447.2 | 331.9 | 404.6 | 437.2 | 497.4 | 607.6 | 612.6 | 621.4 | 658.9 |
| 57.5° | 595.1 | 461.0 | 439.7 | 298.1 | 345.8 | 377.1 | 451.0 | 567.5 | 570.0 | 577.5 | 613.8 |
| 60° | 519.9 | 333.3 | 403.4 | 261.8 | 294.4 | 318.2 | 408.4 | 519.9 | 528.6 | 533.7 | 565.0 |
| 62.5° | 434.7 | 241.8 | 365.8 | 236.8 | 269.4 | 274.3 | 373.3 | 474.8 | 486.1 | 489.9 | 508.7 |
| 65° | 309.4 | 203.0 | 310.6 | 215.5 | 243.0 | 244.3 | 335.8 | 428.4 | 438.5 | 444.8 | 458.5 |
| 67.5° | 209.2 | 165.4 | 236.8 | 195.4 | 223.0 | 224.3 | 299.4 | 374.6 | 388.4 | 393.4 | 402.2 |
| 70° | 145.3 | 110.2 | 175.4 | 174.1 | 200.4 | 203.0 | 260.6 | 325.7 | 338.3 | 342.0 | 347.0 |
| 72.5° | 106.5 | 88.9 | 145.3 | 156.6 | 176.6 | 179.1 | 220.5 | 270.6 | 283.1 | 286.9 | 289.4 |
| 75° | 81.4 | 94.0 | 117.8 | 136.6 | 150.4 | 151.6 | 180.4 | 220.5 | 229.3 | 231.7 | 233.0 |
| 77.5° | 65.1 | 87.7 | 86.5 | 110.2 | 122.7 | 120.3 | 141.6 | 170.4 | 177.9 | 177.9 | 177.9 |
| 80° | 48.8 | 68.9 | 65.1 | 78.9 | 90.2 | 87.7 | 101.4 | 121.5 | 124.0 | 126.6 | 125.2 |
| 82.5° | 36.3 | 43.8 | 43.8 | 50.2 | 60.1 | 57.6 | 67.6 | 78.9 | 78.9 | 78.9 | 81.4 |
| 85° | 22.5 | 25.0 | 20.1 | 26.3 | 33.8 | 32.6 | 37.5 | 42.6 | 43.8 | 43.8 | 41.4 |
| 87.5° | 13.8 | 11.3 | 6.3 | 10.0 | 15.0 | 15.0 | 17.6 | 18.8 | 17.6 | 17.6 | 17.6 |
| 90° | 20.2 | 14.0 | 7.8 | 14.0 | 20.2 | 21.8 | 34.2 | 50.7 | 59.0 | 52.5 | 39.3 |
| 92.5° | 136.8 | 84.0 | 31.1 | 84.0 | 136.8 | 150.0 | 210.8 | 292.0 | 332.5 | 291.4 | 209.3 |
| 95° | 268.0 | 171.3 | 74.6 | 171.3 | 268.0 | 292.2 | 518.7 | 820.9 | 972.0 | 867.4 | 658.1 |
| 97.5° | 299.6 | 214.3 | 129.0 | 214.3 | 299.6 | 320.9 | 698.8 | 1202.6 | 1454.5 | 1388.4 | 1256.1 |
| 100° | 325.7 | 248.3 | 170.9 | 248.3 | 325.7 | 345.0 | 764.3 | 1323.4 | 1602.9 | 1607.8 | 1617.4 |
| 102.5° | 351.0 | 278.8 | 206.7 | 278.8 | 351.0 | 369.0 | 794.3 | 1361.3 | 1644.9 | 1729.1 | 1897.7 |
| 105° | 389.5 | 328.4 | 267.3 | 328.4 | 389.5 | 404.8 | 816.6 | 1365.7 | 1640.2 | 1829.1 | 2206.9 |
| 107.5° | 443.4 | 386.4 | 329.4 | 386.4 | 443.4 | 457.7 | 820.8 | 1304.9 | 1547.0 | 1810.5 | 2337.4 |
| 110° | 474.3 | 422.8 | 371.4 | 422.8 | 474.3 | 487.2 | 814.5 | 1251.0 | 1469.3 | 1763.9 | 2352.9 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 510.7 | 461.6 | 412.5 | 461.6 | 510.7 | 522.9 | 814.8 | 1204.0 | 1398.6 | 1700.1 | 2303.0 |
| 115° | 565.3 | 520.0 | 474.8 | 520.0 | 565.3 | 576.6 | 822.3 | 1150.0 | 1313.9 | 1604.3 | 2185.2 |
| 117.5° | 618.3 | 577.2 | 536.1 | 577.2 | 618.3 | 628.6 | 837.6 | 1116.2 | 1255.6 | 1517.7 | 2041.9 |
| 120° | 649.2 | 610.6 | 571.9 | 610.6 | 649.2 | 658.8 | 850.0 | 1104.9 | 1232.3 | 1471.8 | 1950.8 |
| 122.5° | 684.9 | 645.9 | 606.8 | 645.9 | 684.9 | 694.6 | 867.9 | 1098.9 | 1214.4 | 1430.0 | 1861.4 |
| 125° | 731.6 | 696.0 | 660.4 | 696.0 | 731.6 | 740.5 | 892.0 | 1094.0 | 1195.0 | 1378.2 | 1744.6 |
| 127.5° | 775.8 | 739.8 | 704.0 | 739.8 | 775.8 | 784.7 | 916.1 | 1091.2 | 1178.7 | 1336.0 | 1650.6 |
| 130° | 804.5 | 765.9 | 727.2 | 765.9 | 804.5 | 814.3 | 933.6 | 1092.9 | 1172.5 | 1312.5 | 1592.6 |
| 132.5° | 828.6 | 790.0 | 751.3 | 790.0 | 828.6 | 838.4 | 947.9 | 1094.0 | 1167.0 | 1292.4 | 1543.1 |
| 135° | 857.6 | 822.3 | 787.1 | 822.3 | 857.6 | 866.4 | 963.5 | 1093.0 | 1157.7 | 1262.7 | 1472.6 |
| 137.5° | 893.4 | 858.4 | 823.6 | 858.4 | 893.4 | 902.1 | 986.8 | 1099.7 | 1156.1 | 1244.8 | 1422.4 |
| 140° | 918.1 | 886.0 | 853.9 | 886.0 | 918.1 | 926.2 | 1001.0 | 1100.8 | 1150.7 | 1227.4 | 1380.7 |
| 142.5° | 936.6 | 906.9 | 877.2 | 906.9 | 936.6 | 944.0 | 1012.9 | 1104.7 | 1150.7 | 1218.0 | 1352.7 |
| 145° | 964.8 | 938.9 | 913.0 | 938.9 | 964.8 | 971.3 | 1028.5 | 1104.8 | 1142.9 | 1198.0 | 1308.2 |
| 147.5° | 999.1 | 973.9 | 948.7 | 973.9 | 999.1 | 1005.5 | 1051.3 | 1112.4 | 1142.9 | 1186.3 | 1272.9 |
| 150° | 1017.6 | 994.8 | 972.0 | 994.8 | 1017.6 | 1023.3 | 1063.2 | 1116.3 | 1142.9 | 1179.5 | 1252.8 |
| 152.5° | 1030.7 | 1013.4 | 996.1 | 1013.4 | 1030.7 | 1035.0 | 1070.9 | 1118.9 | 1142.9 | 1174.2 | 1236.7 |
| 155° | 1057.4 | 1044.6 | 1031.8 | 1044.6 | 1057.4 | 1060.6 | 1088.0 | 1124.6 | 1142.9 | 1167.8 | 1217.6 |
| 157.5° | 1083.2 | 1070.6 | 1058.2 | 1070.6 | 1083.2 | 1086.2 | 1105.1 | 1130.3 | 1142.9 | 1162.3 | 1200.9 |
| 160° | 1095.5 | 1085.9 | 1076.2 | 1085.9 | 1095.5 | 1097.9 | 1113.0 | 1132.9 | 1142.9 | 1159.6 | 1192.7 |
| 162.5° | 1108.6 | 1101.3 | 1094.0 | 1101.3 | 1108.6 | 1110.3 | 1121.2 | 1135.7 | 1142.9 | 1156.9 | 1184.9 |
| 165° | 1126.5 | 1120.0 | 1113.4 | 1120.0 | 1126.5 | 1128.2 | 1133.1 | 1139.7 | 1142.9 | 1152.9 | 1173.0 |
| 167.5° | 1137.5 | 1134.3 | 1131.3 | 1134.3 | 1137.5 | 1138.3 | 1142.4 | 1147.9 | 1150.7 | 1157.2 | 1170.4 |
| 170° | 1149.2 | 1146.0 | 1142.9 | 1146.0 | 1149.2 | 1149.9 | 1150.2 | 1150.5 | 1150.7 | 1157.2 | 1170.4 |
| 172.5° | 1150.5 | 1149.8 | 1149.2 | 1149.8 | 1150.5 | 1150.7 | 1150.7 | 1150.7 | 1150.7 | 1155.9 | 1166.3 |
| 175° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.4 | 1152.3 | 1150.7 | 1154.0 | 1160.5 |
| 177.5° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1155.9 | 1153.5 | 1152.3 | 1154.9 | 1160.0 |
| 180° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5° | 1277.8 | 1274.1 | 1279.1 | 1265.3 | 1279.1 | 1274.1 | 1277.8 | 1286.6 | 1279.1 | 1284.1 | 1289.1 |
| 5° | 1121.3 | 1115.0 | 1094.9 | 1078.7 | 1094.9 | 1115.0 | 1121.3 | 1147.5 | 1160.0 | 1182.6 | 1212.7 |
| 7.5° | 1002.2 | 997.2 | 992.2 | 982.2 | 992.2 | 997.2 | 1002.2 | 1009.7 | 1022.3 | 1042.3 | 1064.9 |
| 10° | 975.9 | 977.2 | 984.7 | 983.4 | 984.7 | 977.2 | 975.9 | 973.4 | 969.7 | 973.4 | 987.1 |
| 12.5° | 1043.6 | 1054.9 | 1096.1 | 1093.7 | 1096.1 | 1054.9 | 1043.6 | 993.5 | 959.6 | 953.3 | 955.9 |
| 15° | 1121.3 | 1125.0 | 1133.8 | 1135.0 | 1133.8 | 1125.0 | 1121.3 | 1101.2 | 999.8 | 955.9 | 942.1 |
| 17.5° | 1128.7 | 1130.0 | 1136.3 | 1136.3 | 1136.3 | 1130.0 | 1128.7 | 1120.0 | 1086.1 | 1027.3 | 949.6 |
| 20° | 1122.5 | 1125.0 | 1137.5 | 1140.0 | 1137.5 | 1125.0 | 1122.5 | 1111.2 | 1092.4 | 1071.1 | 1012.3 |
| 22.5° | 1120.0 | 1125.0 | 1135.0 | 1133.8 | 1135.0 | 1125.0 | 1120.0 | 1102.4 | 1086.1 | 1071.1 | 1047.3 |
| 25° | 1107.4 | 1107.4 | 1108.8 | 1110.0 | 1108.8 | 1107.4 | 1107.4 | 1093.7 | 1061.1 | 1057.4 | 1043.6 |
| 27.5° | 1081.1 | 1083.6 | 1091.2 | 1089.9 | 1091.2 | 1083.6 | 1081.1 | 1076.2 | 1041.0 | 1037.3 | 1027.3 |
| 30° | 1057.4 | 1054.9 | 1048.6 | 1043.6 | 1048.6 | 1054.9 | 1057.4 | 1049.8 | 1014.8 | 1004.7 | 1007.2 |
| 32.5° | 1017.2 | 1011.0 | 1004.7 | 1001.0 | 1004.7 | 1011.0 | 1017.2 | 1014.8 | 988.5 | 974.6 | 977.2 |
| 35° | 969.7 | 970.9 | 969.7 | 965.8 | 969.7 | 970.9 | 969.7 | 972.2 | 955.9 | 943.3 | 942.1 |
| 37.5° | 935.9 | 938.3 | 937.1 | 932.0 | 937.1 | 938.3 | 935.9 | 933.3 | 910.7 | 907.0 | 909.5 |
| 40° | 900.7 | 902.0 | 900.7 | 897.0 | 900.7 | 902.0 | 900.7 | 895.7 | 864.4 | 865.6 | 874.4 |
| 42.5° | 866.9 | 865.6 | 861.9 | 859.4 | 861.9 | 865.6 | 866.9 | 859.4 | 819.3 | 815.6 | 831.8 |
| 45° | 828.1 | 829.3 | 821.8 | 818.1 | 821.8 | 829.3 | 828.1 | 823.0 | 781.8 | 771.7 | 783.0 |
| 47.5° | 789.2 | 789.2 | 783.0 | 779.2 | 783.0 | 789.2 | 789.2 | 783.0 | 739.2 | 729.1 | 735.3 |
| 50° | 747.9 | 746.6 | 737.9 | 736.6 | 737.9 | 746.6 | 747.9 | 744.1 | 697.8 | 689.0 | 689.0 |
| 52.5° | 700.3 | 700.3 | 701.5 | 704.0 | 701.5 | 700.3 | 700.3 | 701.5 | 660.2 | 651.5 | 648.9 |
| 55° | 658.9 | 660.2 | 669.0 | 671.5 | 669.0 | 660.2 | 658.9 | 658.9 | 621.4 | 612.6 | 607.6 |
| 57.5° | 616.3 | 616.3 | 622.6 | 622.6 | 622.6 | 616.3 | 616.3 | 613.8 | 577.5 | 570.0 | 567.5 |
| 60° | 567.5 | 570.0 | 575.1 | 573.8 | 575.1 | 570.0 | 567.5 | 565.0 | 533.7 | 528.6 | 519.9 |
| 62.5° | 516.1 | 518.7 | 519.9 | 517.4 | 519.9 | 518.7 | 516.1 | 508.7 | 489.9 | 486.1 | 474.8 |
| 65° | 462.2 | 464.8 | 466.1 | 463.5 | 466.1 | 464.8 | 462.2 | 458.5 | 444.8 | 438.5 | 428.4 |
| 67.5° | 407.1 | 405.9 | 404.6 | 409.7 | 404.6 | 405.9 | 407.1 | 402.2 | 393.4 | 388.4 | 374.6 |
| 70° | 350.8 | 350.8 | 349.5 | 352.0 | 349.5 | 350.8 | 350.8 | 347.0 | 342.0 | 338.3 | 325.7 |
| 72.5° | 290.7 | 289.4 | 294.4 | 290.7 | 294.4 | 289.4 | 290.7 | 289.4 | 286.9 | 283.1 | 270.6 |
| 75° | 231.7 | 234.2 | 231.7 | 235.6 | 231.7 | 234.2 | 231.7 | 233.0 | 231.7 | 229.3 | 220.5 |
| 77.5° | 176.6 | 179.1 | 176.6 | 176.6 | 176.6 | 179.1 | 176.6 | 177.9 | 177.9 | 177.9 | 170.4 |
| 80° | 125.2 | 124.0 | 124.0 | 122.7 | 124.0 | 124.0 | 125.2 | 125.2 | 126.6 | 124.0 | 121.5 |
| 82.5° | 80.1 | 78.9 | 78.9 | 81.4 | 78.9 | 78.9 | 80.1 | 81.4 | 78.9 | 78.9 | 78.9 |
| 85° | 43.8 | 45.1 | 42.6 | 42.6 | 42.6 | 45.1 | 43.8 | 41.4 | 43.8 | 43.8 | 42.6 |
| 87.5° | 16.3 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 16.3 | 17.6 | 17.6 | 17.6 | 18.8 |
| 90° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 39.3 | 52.5 | 59.0 | 50.7 |
| 92.5° | 147.7 | 141.8 | 118.3 | 94.8 | 118.3 | 141.8 | 147.7 | 209.3 | 291.4 | 332.5 | 292.0 |
| 95° | 501.2 | 483.4 | 412.3 | 341.1 | 412.3 | 483.4 | 501.2 | 658.1 | 867.4 | 972.0 | 820.9 |
| 97.5° | 1156.9 | 1123.1 | 987.7 | 852.4 | 987.7 | 1123.1 | 1156.9 | 1256.1 | 1388.4 | 1454.5 | 1202.6 |
| 100° | 1624.7 | 1584.3 | 1423.1 | 1261.8 | 1423.1 | 1584.3 | 1624.7 | 1617.4 | 1607.8 | 1602.9 | 1323.4 |
| 102.5° | 2024.1 | 1989.5 | 1851.4 | 1713.2 | 1851.4 | 1989.5 | 2024.1 | 1897.7 | 1729.1 | 1644.9 | 1361.3 |
| 105° | 2490.2 | 2471.6 | 2397.4 | 2323.1 | 2397.4 | 2471.6 | 2490.2 | 2206.9 | 1829.1 | 1640.2 | 1365.7 |
| 107.5° | 2732.6 | 2737.1 | 2755.1 | 2773.0 | 2755.1 | 2737.1 | 2732.6 | 2337.4 | 1810.5 | 1547.0 | 1304.9 |
| 110° | 2794.8 | 2814.1 | 2891.5 | 2968.8 | 2891.5 | 2814.1 | 2794.8 | 2352.9 | 1763.9 | 1469.3 | 1251.0 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2755.2 | 2784.9 | 2903.6 | 3022.4 | 2903.6 | 2784.9 | 2755.2 | 2303.0 | 1700.1 | 1398.6 | 1204.0 |
| 115° | 2620.8 | 2662.0 | 2826.7 | 2991.4 | 2826.7 | 2662.0 | 2620.8 | 2185.2 | 1604.3 | 1313.9 | 1150.0 |
| 117.5° | 2435.0 | 2480.7 | 2663.4 | 2846.1 | 2663.4 | 2480.7 | 2435.0 | 2041.9 | 1517.7 | 1255.6 | 1116.2 |
| 120° | 2310.0 | 2354.3 | 2531.9 | 2709.3 | 2531.9 | 2354.3 | 2310.0 | 1950.8 | 1471.8 | 1232.3 | 1104.9 |
| 122.5° | 2184.9 | 2228.7 | 2403.7 | 2578.8 | 2403.7 | 2228.7 | 2184.9 | 1861.4 | 1430.0 | 1214.4 | 1098.9 |
| 125° | 2019.4 | 2059.8 | 2221.0 | 2382.3 | 2221.0 | 2059.8 | 2019.4 | 1744.6 | 1378.2 | 1195.0 | 1094.0 |
| 127.5° | 1886.5 | 1920.5 | 2056.6 | 2192.7 | 2056.6 | 1920.5 | 1886.5 | 1650.6 | 1336.0 | 1178.7 | 1091.2 |
| 130° | 1802.6 | 1834.0 | 1959.7 | 2085.4 | 1959.7 | 1834.0 | 1802.6 | 1592.6 | 1312.5 | 1172.5 | 1092.9 |
| 132.5° | 1731.1 | 1759.2 | 1871.8 | 1984.4 | 1871.8 | 1759.2 | 1731.1 | 1543.1 | 1292.4 | 1167.0 | 1094.0 |
| 135° | 1630.1 | 1654.4 | 1751.4 | 1848.5 | 1751.4 | 1654.4 | 1630.1 | 1472.6 | 1262.7 | 1157.7 | 1093.0 |
| 137.5° | 1555.5 | 1575.4 | 1654.8 | 1734.3 | 1654.8 | 1575.4 | 1555.5 | 1422.4 | 1244.8 | 1156.1 | 1099.7 |
| 140° | 1495.7 | 1514.3 | 1588.5 | 1662.7 | 1588.5 | 1514.3 | 1495.7 | 1380.7 | 1227.4 | 1150.7 | 1100.8 |
| 142.5° | 1453.8 | 1469.7 | 1533.6 | 1597.5 | 1533.6 | 1469.7 | 1453.8 | 1352.7 | 1218.0 | 1150.7 | 1104.7 |
| 145° | 1390.8 | 1402.9 | 1451.2 | 1499.5 | 1451.2 | 1402.9 | 1390.8 | 1308.2 | 1198.0 | 1142.9 | 1104.8 |
| 147.5° | 1338.0 | 1347.9 | 1388.0 | 1428.1 | 1388.0 | 1347.9 | 1338.0 | 1272.9 | 1186.3 | 1142.9 | 1112.4 |
| 150° | 1307.7 | 1315.8 | 1348.2 | 1380.7 | 1348.2 | 1315.8 | 1307.7 | 1252.8 | 1179.5 | 1142.9 | 1116.3 |
| 152.5° | 1283.6 | 1289.8 | 1314.2 | 1338.7 | 1314.2 | 1289.8 | 1283.6 | 1236.7 | 1174.2 | 1142.9 | 1118.9 |
| 155° | 1254.8 | 1258.8 | 1275.1 | 1291.3 | 1275.1 | 1258.8 | 1254.8 | 1217.6 | 1167.8 | 1142.9 | 1124.6 |
| 157.5° | 1230.0 | 1232.8 | 1244.2 | 1255.6 | 1244.2 | 1232.8 | 1230.0 | 1200.9 | 1162.3 | 1142.9 | 1130.3 |
| 160° | 1217.6 | 1219.2 | 1225.8 | 1232.3 | 1225.8 | 1219.2 | 1217.6 | 1192.7 | 1159.6 | 1142.9 | 1132.9 |
| 162.5° | 1205.9 | 1207.5 | 1213.6 | 1219.9 | 1213.6 | 1207.5 | 1205.9 | 1184.9 | 1156.9 | 1142.9 | 1135.7 |
| 165° | 1188.0 | 1189.7 | 1196.3 | 1202.8 | 1196.3 | 1189.7 | 1188.0 | 1173.0 | 1152.9 | 1142.9 | 1139.7 |
| 167.5° | 1180.2 | 1180.9 | 1183.7 | 1186.5 | 1183.7 | 1180.9 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1147.9 |
| 170° | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1180.2 | 1170.4 | 1157.2 | 1150.7 | 1150.5 |
| 172.5° | 1174.0 | 1173.5 | 1171.0 | 1168.6 | 1171.0 | 1173.5 | 1174.0 | 1166.3 | 1155.9 | 1150.7 | 1150.7 |
| 175° | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1165.4 | 1160.5 | 1154.0 | 1150.7 | 1152.3 |
| 177.5° | 1164.0 | 1163.3 | 1160.5 | 1157.7 | 1160.5 | 1163.3 | 1164.0 | 1160.0 | 1154.9 | 1152.3 | 1153.5 |
| 180° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |
| 2.5° | 1307.9 | 1314.1 | 1318.0 | 1322.9 | 1335.4 |
| 5° | 1257.8 | 1281.6 | 1289.1 | 1307.9 | 1330.5 |
| 7.5° | 1147.5 | 1220.2 | 1240.3 | 1285.4 | 1320.4 |
| 10° | 1041.0 | 1113.7 | 1148.8 | 1255.3 | 1307.9 |
| 12.5° | 987.1 | 1029.8 | 1053.6 | 1202.7 | 1290.3 |
| 15° | 953.3 | 983.4 | 1001.0 | 1132.5 | 1270.3 |
| 17.5° | 927.1 | 948.4 | 960.9 | 1063.6 | 1242.8 |
| 20° | 910.7 | 920.8 | 932.0 | 1013.5 | 1211.4 |
| 22.5° | 899.5 | 893.3 | 902.0 | 978.5 | 1168.8 |
| 25° | 892.0 | 868.2 | 878.2 | 950.9 | 1118.7 |
| 27.5° | 898.2 | 845.6 | 849.4 | 925.8 | 1066.2 |
| 30° | 899.5 | 818.1 | 819.3 | 899.5 | 1007.2 |
| 32.5° | 890.8 | 789.2 | 790.5 | 866.9 | 940.8 |
| 35° | 869.5 | 755.4 | 754.2 | 829.3 | 850.6 |
| 37.5° | 840.6 | 719.1 | 719.1 | 788.0 | 751.7 |
| 40° | 805.6 | 682.8 | 686.5 | 734.1 | 664.0 |
| 42.5° | 763.0 | 643.9 | 648.9 | 662.8 | 598.8 |
| 45° | 716.6 | 606.4 | 610.1 | 560.0 | 548.7 |
| 47.5° | 665.2 | 567.5 | 568.8 | 464.8 | 532.5 |
| 50° | 603.8 | 527.4 | 522.4 | 398.4 | 531.2 |
| 52.5° | 549.9 | 483.5 | 468.5 | 360.8 | 482.3 |
| 55° | 497.4 | 437.2 | 404.6 | 331.9 | 447.2 |
| 57.5° | 451.0 | 377.1 | 345.8 | 298.1 | 439.7 |
| 60° | 408.4 | 318.2 | 294.4 | 261.8 | 403.4 |
| 62.5° | 373.3 | 274.3 | 269.4 | 236.8 | 365.8 |
| 65° | 335.8 | 244.3 | 243.0 | 215.5 | 310.6 |
| 67.5° | 299.4 | 224.3 | 223.0 | 195.4 | 236.8 |
| 70° | 260.6 | 203.0 | 200.4 | 174.1 | 175.4 |
| 72.5° | 220.5 | 179.1 | 176.6 | 156.6 | 145.3 |
| 75° | 180.4 | 151.6 | 150.4 | 136.6 | 117.8 |
| 77.5° | 141.6 | 120.3 | 122.7 | 110.2 | 86.5 |
| 80° | 101.4 | 87.7 | 90.2 | 78.9 | 65.1 |
| 82.5° | 67.6 | 57.6 | 60.1 | 50.2 | 43.8 |
| 85° | 37.5 | 32.6 | 33.8 | 26.3 | 20.1 |
| 87.5° | 17.6 | 15.0 | 15.0 | 10.0 | 6.3 |
| 90° | 34.2 | 21.8 | 20.2 | 14.0 | 7.8 |
| 92.5° | 210.8 | 150.0 | 136.8 | 84.0 | 31.1 |
| 95° | 518.7 | 292.2 | 268.0 | 171.3 | 74.6 |
| 97.5° | 698.8 | 320.9 | 299.6 | 214.3 | 129.0 |
| 100° | 764.3 | 345.0 | 325.7 | 248.3 | 170.9 |
| 102.5° | 794.3 | 369.0 | 351.0 | 278.8 | 206.7 |
| 105° | 816.6 | 404.8 | 389.5 | 328.4 | 267.3 |
| 107.5° | 820.8 | 457.7 | 443.4 | 386.4 | 329.4 |
| 110° | 814.5 | 487.2 | 474.3 | 422.8 | 371.4 |



TEST NUMBER: P935096

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 814.8 | 522.9 | 510.7 | 461.6 | 412.5 |
| 115° | 822.3 | 576.6 | 565.3 | 520.0 | 474.8 |
| 117.5° | 837.6 | 628.6 | 618.3 | 577.2 | 536.1 |
| 120° | 850.0 | 658.8 | 649.2 | 610.6 | 571.9 |
| 122.5° | 867.9 | 694.6 | 684.9 | 645.9 | 606.8 |
| 125° | 892.0 | 740.5 | 731.6 | 696.0 | 660.4 |
| 127.5° | 916.1 | 784.7 | 775.8 | 739.8 | 704.0 |
| 130° | 933.6 | 814.3 | 804.5 | 765.9 | 727.2 |
| 132.5° | 947.9 | 838.4 | 828.6 | 790.0 | 751.3 |
| 135° | 963.5 | 866.4 | 857.6 | 822.3 | 787.1 |
| 137.5° | 986.8 | 902.1 | 893.4 | 858.4 | 823.6 |
| 140° | 1001.0 | 926.2 | 918.1 | 886.0 | 853.9 |
| 142.5° | 1012.9 | 944.0 | 936.6 | 906.9 | 877.2 |
| 145° | 1028.5 | 971.3 | 964.8 | 938.9 | 913.0 |
| 147.5° | 1051.3 | 1005.5 | 999.1 | 973.9 | 948.7 |
| 150° | 1063.2 | 1023.3 | 1017.6 | 994.8 | 972.0 |
| 152.5° | 1070.9 | 1035.0 | 1030.7 | 1013.4 | 996.1 |
| 155° | 1088.0 | 1060.6 | 1057.4 | 1044.6 | 1031.8 |
| 157.5° | 1105.1 | 1086.2 | 1083.2 | 1070.6 | 1058.2 |
| 160° | 1113.0 | 1097.9 | 1095.5 | 1085.9 | 1076.2 |
| 162.5° | 1121.2 | 1110.3 | 1108.6 | 1101.3 | 1094.0 |
| 165° | 1133.1 | 1128.2 | 1126.5 | 1120.0 | 1113.4 |
| 167.5° | 1142.4 | 1138.3 | 1137.5 | 1134.3 | 1131.3 |
| 170° | 1150.2 | 1149.9 | 1149.2 | 1146.0 | 1142.9 |
| 172.5° | 1150.7 | 1150.7 | 1150.5 | 1149.8 | 1149.2 |
| 175° | 1155.4 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |
| 177.5° | 1155.9 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |
| 180° | 1157.7 | 1157.7 | 1157.7 | 1157.7 | 1157.7 |



TEST NUMBER: P935096
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-8-5000K

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 | 9.09 | 9.81 | 10.19 | 10.91 | 12.42 | 11.93 | 12.64 | 13.03 | 13.74 | 15.26 |
| | 3H | 9.56 | 10.20 | 10.67 | 11.30 | 12.84 | 13.27 | 13.91 | 14.38 | 15.01 | 16.54 |
| | 4H | 9.74 | 10.35 | 10.86 | 11.46 | 12.99 | 13.70 | 14.31 | 14.82 | 15.42 | 16.96 |
| | 6H | 9.85 | 10.41 | 10.98 | 11.52 | 13.07 | 13.98 | 14.54 | 15.11 | 15.65 | 17.20 |
| | 8H | 9.85 | 10.38 | 10.98 | 11.51 | 13.05 | 14.05 | 14.59 | 15.19 | 15.71 | 17.25 |
| | 12H | 9.81 | 10.32 | 10.95 | 11.44 | 13.00 | 14.09 | 14.59 | 15.23 | 15.71 | 17.28 |
| 4H | 2H | 10.11 | 10.72 | 11.24 | 11.82 | 13.36 | 12.32 | 12.93 | 13.45 | 14.04 | 15.57 |
| | 3H | 11.12 | 11.63 | 12.25 | 12.76 | 14.31 | 13.81 | 14.32 | 14.95 | 15.45 | 17.00 |
| | 4H | 11.39 | 11.86 | 12.53 | 12.98 | 14.55 | 14.34 | 14.80 | 15.47 | 15.93 | 17.50 |
| | 6H | 11.51 | 11.91 | 12.65 | 13.05 | 14.61 | 14.70 | 15.09 | 15.84 | 16.24 | 17.80 |
| | 8H | 11.51 | 11.88 | 12.65 | 13.02 | 14.60 | 14.80 | 15.17 | 15.94 | 16.31 | 17.89 |
| | 12H | 11.47 | 11.81 | 12.63 | 12.96 | 14.54 | 14.85 | 15.19 | 16.01 | 16.34 | 17.92 |
| 8H | 4H | 11.83 | 12.21 | 12.98 | 13.34 | 14.92 | 14.45 | 14.82 | 15.59 | 15.96 | 17.54 |
| | 6H | 12.09 | 12.40 | 13.25 | 13.58 | 15.15 | 14.88 | 15.19 | 16.05 | 16.37 | 17.94 |
| | 8H | 12.13 | 12.40 | 13.30 | 13.56 | 15.15 | 15.03 | 15.30 | 16.20 | 16.46 | 18.05 |
| | 12H | 12.11 | 12.34 | 13.28 | 13.50 | 15.13 | 15.13 | 15.36 | 16.30 | 16.52 | 18.15 |
| 12H | 4H | 11.83 | 12.17 | 12.99 | 13.32 | 14.90 | 14.41 | 14.74 | 15.57 | 15.89 | 17.48 |
| | 6H | 12.15 | 12.42 | 13.32 | 13.58 | 15.17 | 14.88 | 15.15 | 16.05 | 16.31 | 17.90 |
| | 8H | 12.21 | 12.44 | 13.38 | 13.60 | 15.23 | 15.03 | 15.27 | 16.21 | 16.43 | 18.05 |