

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: P936035

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936035
REPORT IS A COMBINATION OF REPORTS P933778 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

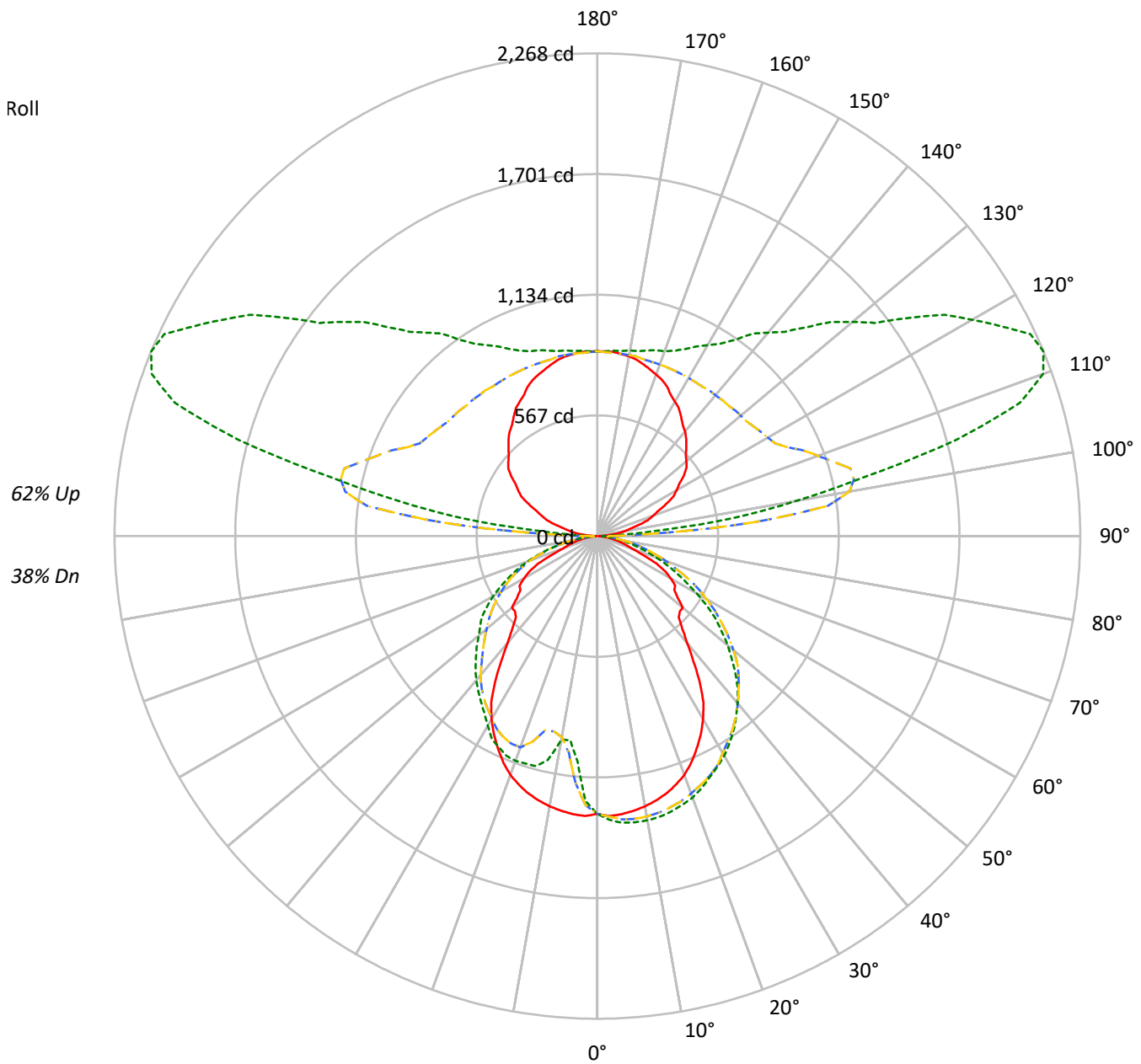
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9019.0 lumens
Efficiency: N/A
Efficacy: 124.6 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: Semi-Indirect

Input Watts (W): 72.4
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: P936035
CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 38 | | | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 79 | 76 | 67 | 65 | 63 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | 32 |
| 2 | 87 | 79 | 73 | 68 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 46 | 44 | 42 | 35 | 33 | 32 | 27 | | | 27 |
| 3 | 79 | 70 | 62 | 57 | 71 | 63 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 | 23 | | | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 49 | 44 | 46 | 41 | 37 | 36 | 33 | 30 | 28 | 25 | 23 | 19 | | | 19 |
| 5 | 66 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 | 17 | | | 17 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 | 15 | | | 15 |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 27 | 23 | 20 | 20 | 18 | 16 | 13 | | | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 21 | 18 | 19 | 16 | 14 | 12 | | | 12 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 22 | 28 | 23 | 19 | 22 | 19 | 16 | 17 | 15 | 13 | 10 | | | 10 |
| 10 | 45 | 33 | 26 | 21 | 41 | 31 | 24 | 20 | 25 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12112 | 12112 | 12112 | 12112 |
| 5° | 12190 | 12227 | 12190 | 9614 |
| 10° | 12095 | 12044 | 12095 | 8611 |
| 15° | 11949 | 11783 | 11949 | 9839 |
| 20° | 11686 | 11474 | 11686 | 9860 |
| 25° | 11162 | 11024 | 11162 | 9651 |
| 30° | 10487 | 10650 | 10487 | 9192 |
| 35° | 9335 | 10176 | 9335 | 8689 |
| 40° | 7766 | 9618 | 7766 | 8307 |
| 45° | 6925 | 8966 | 6925 | 7870 |
| 50° | 7340 | 8188 | 7340 | 7430 |
| 55° | 6887 | 7349 | 6887 | 7176 |
| 60° | 7073 | 6242 | 7073 | 6572 |
| 65° | 6383 | 5159 | 6383 | 5768 |
| 70° | 4389 | 4113 | 4389 | 4836 |
| 75° | 3807 | 3040 | 3807 | 3640 |
| 80° | 3005 | 2009 | 3005 | 2188 |
| 85° | 1631 | 1064 | 1631 | 905 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10635 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 117.8 | 1.3 |
| 10°-20° | 334.6 | 3.7 |
| 20°-30° | 517.2 | 5.7 |
| 30°-40° | 617.4 | 6.8 |
| 40°-50° | 621.0 | 6.9 |
| 50°-60° | 540.3 | 6.0 |
| 60°-70° | 383.1 | 4.2 |
| 70°-80° | 202.7 | 2.2 |
| 80°-90° | 53.8 | 0.6 |
| 90°-100° | 423.4 | 4.7 |
| 100°-110° | 1113.2 | 12.3 |
| 110°-120° | 1154.3 | 12.8 |
| 120°-130° | 925.9 | 10.3 |
| 130°-140° | 726.5 | 8.1 |
| 140°-150° | 557.6 | 6.2 |
| 150°-160° | 401.6 | 4.5 |
| 160°-170° | 245.7 | 2.7 |
| 170°-180° | 83.0 | 0.9 |
| 0°-30° | 969.6 | 10.8 |
| 0°-40° | 1586.9 | 17.6 |
| 0°-60° | 2748.3 | 30.5 |
| 0°-90° | 3387.9 | 37.6 |
| 90°-120° | 2690.9 | 29.8 |
| 90°-150° | 4900.8 | 54.3 |
| 90°-180° | 5631.0 | 62.4 |
| 0°-180° | 9019.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1305 | 1305 | 1305 | 1305 | 1305 | |
| 5° | 1312 | 1352 | 1312 | 1063 | 1312 | 124 |
| 15° | 1252 | 1340 | 1252 | 1119 | 1252 | 352 |
| 25° | 1103 | 1250 | 1103 | 1094 | 1103 | 506 |
| 35° | 838 | 1115 | 838 | 952 | 838 | 519 |
| 45° | 541 | 919 | 541 | 806 | 541 | 433 |
| 55° | 441 | 678 | 441 | 662 | 441 | 405 |
| 65° | 306 | 409 | 306 | 457 | 306 | 293 |
| 75° | 116 | 194 | 116 | 232 | 116 | 122 |
| 85° | 20 | 49 | 20 | 42 | 20 | 27 |
| 90° | 6 | 22 | 6 | 22 | 6 | 6 |
| 95° | 56 | 256 | 56 | 256 | 56 | 62 |
| 105° | 201 | 1743 | 201 | 1743 | 201 | 213 |
| 115° | 356 | 2244 | 356 | 2244 | 356 | 352 |
| 125° | 496 | 1787 | 496 | 1787 | 496 | 440 |
| 135° | 590 | 1387 | 590 | 1387 | 590 | 457 |
| 145° | 685 | 1125 | 685 | 1125 | 685 | 429 |
| 155° | 774 | 969 | 774 | 969 | 774 | 356 |
| 165° | 835 | 902 | 835 | 902 | 835 | 236 |
| 175° | 869 | 874 | 869 | 874 | 869 | 82 |
| 180° | 869 | 869 | 869 | 869 | 869 | |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 |
| 2.5° | 1316.4 | 1316.4 | 1323.9 | 1326.3 | 1326.3 | 1322.6 | 1319.0 | 1322.6 | 1333.7 | 1337.5 | 1336.3 |
| 5° | 1311.6 | 1321.4 | 1335.0 | 1337.5 | 1339.9 | 1338.7 | 1336.3 | 1338.7 | 1351.0 | 1353.5 | 1354.8 |
| 7.5° | 1301.7 | 1320.2 | 1337.5 | 1341.2 | 1344.9 | 1341.2 | 1339.9 | 1342.4 | 1354.8 | 1357.2 | 1357.2 |
| 10° | 1289.3 | 1315.2 | 1335.0 | 1337.5 | 1341.2 | 1337.5 | 1337.5 | 1342.4 | 1354.8 | 1357.2 | 1358.5 |
| 12.5° | 1272.0 | 1307.8 | 1326.3 | 1328.9 | 1333.7 | 1332.5 | 1331.3 | 1336.3 | 1348.6 | 1351.0 | 1351.0 |
| 15° | 1252.2 | 1294.3 | 1311.6 | 1314.0 | 1322.6 | 1320.2 | 1320.2 | 1325.1 | 1338.7 | 1342.4 | 1341.2 |
| 17.5° | 1225.1 | 1277.0 | 1296.7 | 1300.5 | 1306.6 | 1305.3 | 1306.6 | 1311.6 | 1323.9 | 1326.3 | 1327.6 |
| 20° | 1194.2 | 1253.5 | 1277.0 | 1280.6 | 1286.8 | 1286.8 | 1286.8 | 1293.0 | 1305.3 | 1310.3 | 1310.3 |
| 22.5° | 1152.2 | 1228.8 | 1253.5 | 1256.0 | 1263.3 | 1263.3 | 1265.9 | 1274.5 | 1285.6 | 1286.8 | 1286.8 |
| 25° | 1102.9 | 1201.7 | 1222.6 | 1230.1 | 1237.5 | 1241.1 | 1244.8 | 1249.8 | 1253.5 | 1252.2 | 1253.5 |
| 27.5° | 1051.0 | 1167.1 | 1194.2 | 1199.1 | 1209.0 | 1212.8 | 1217.6 | 1219.0 | 1220.2 | 1223.8 | 1221.4 |
| 30° | 992.9 | 1118.8 | 1159.6 | 1164.6 | 1180.6 | 1183.1 | 1178.2 | 1180.6 | 1186.8 | 1189.3 | 1191.8 |
| 32.5° | 927.4 | 1047.2 | 1123.8 | 1134.9 | 1149.8 | 1142.3 | 1141.1 | 1144.8 | 1154.7 | 1154.7 | 1157.2 |
| 35° | 838.5 | 991.7 | 1090.5 | 1100.3 | 1111.5 | 1102.9 | 1107.7 | 1109.0 | 1115.2 | 1118.8 | 1117.6 |
| 37.5° | 740.9 | 943.5 | 1055.9 | 1063.3 | 1071.9 | 1060.8 | 1068.3 | 1071.9 | 1076.9 | 1074.4 | 1074.4 |
| 40° | 654.6 | 868.2 | 1015.2 | 1020.0 | 1027.5 | 1018.8 | 1026.2 | 1028.7 | 1031.2 | 1028.7 | 1027.5 |
| 42.5° | 590.4 | 785.4 | 971.9 | 978.1 | 973.1 | 979.3 | 981.8 | 986.8 | 983.0 | 978.1 | 978.1 |
| 45° | 540.9 | 763.2 | 925.0 | 932.4 | 925.0 | 934.9 | 938.5 | 938.5 | 927.4 | 925.0 | 923.8 |
| 47.5° | 524.8 | 718.8 | 878.1 | 878.1 | 874.3 | 886.7 | 892.9 | 884.2 | 873.1 | 869.5 | 869.5 |
| 50° | 523.6 | 669.3 | 813.8 | 808.9 | 826.2 | 841.0 | 834.9 | 826.2 | 817.6 | 803.9 | 803.9 |
| 52.5° | 475.5 | 608.9 | 731.1 | 749.6 | 776.8 | 785.4 | 775.5 | 766.9 | 752.1 | 745.9 | 740.9 |
| 55° | 440.9 | 545.9 | 655.8 | 692.8 | 721.2 | 732.3 | 713.8 | 705.1 | 682.9 | 679.3 | 676.7 |
| 57.5° | 433.5 | 454.5 | 586.6 | 633.5 | 668.1 | 666.9 | 655.8 | 639.7 | 621.2 | 617.5 | 616.3 |
| 60° | 397.6 | 328.5 | 512.5 | 568.1 | 603.9 | 600.2 | 590.4 | 575.5 | 558.2 | 555.8 | 553.3 |
| 62.5° | 360.6 | 238.4 | 428.6 | 491.6 | 542.1 | 540.9 | 532.3 | 510.1 | 497.7 | 491.6 | 486.6 |
| 65° | 306.3 | 200.0 | 305.0 | 408.7 | 481.7 | 484.1 | 465.6 | 449.5 | 435.9 | 428.6 | 427.3 |
| 67.5° | 233.4 | 163.0 | 206.2 | 340.9 | 423.6 | 421.1 | 397.6 | 390.2 | 372.9 | 369.2 | 361.8 |
| 70° | 172.9 | 108.7 | 143.3 | 276.7 | 366.8 | 360.6 | 342.1 | 333.4 | 317.4 | 308.7 | 303.8 |
| 72.5° | 143.3 | 87.7 | 105.0 | 214.9 | 308.7 | 301.3 | 285.3 | 275.4 | 261.8 | 254.4 | 249.5 |
| 75° | 116.1 | 92.6 | 80.3 | 159.3 | 250.7 | 245.7 | 231.0 | 221.1 | 209.9 | 200.0 | 201.3 |
| 77.5° | 85.2 | 86.5 | 64.2 | 117.3 | 198.8 | 191.4 | 182.7 | 170.4 | 165.4 | 155.6 | 155.6 |
| 80° | 64.2 | 68.0 | 48.1 | 80.3 | 143.3 | 143.3 | 135.8 | 127.2 | 118.5 | 113.7 | 113.7 |
| 82.5° | 43.2 | 43.2 | 35.8 | 50.7 | 97.6 | 93.8 | 88.9 | 86.5 | 81.5 | 79.1 | 79.1 |
| 85° | 19.7 | 24.7 | 22.2 | 30.8 | 53.1 | 55.6 | 55.6 | 53.1 | 51.9 | 49.4 | 50.7 |
| 87.5° | 6.2 | 11.1 | 13.6 | 17.3 | 27.2 | 28.4 | 29.6 | 29.6 | 29.6 | 30.8 | 30.8 |
| 90° | 5.8 | 10.5 | 15.1 | 16.4 | 25.7 | 38.1 | 44.3 | 39.4 | 29.5 | 22.2 | 22.2 |
| 92.5° | 23.3 | 62.9 | 102.6 | 112.5 | 158.2 | 219.0 | 249.5 | 218.6 | 157.0 | 110.8 | 106.4 |
| 95° | 56.0 | 128.5 | 201.1 | 219.2 | 389.2 | 616.0 | 729.4 | 650.8 | 493.8 | 376.0 | 362.7 |
| 97.5° | 96.7 | 160.8 | 224.8 | 240.8 | 524.3 | 902.4 | 1091.4 | 1041.7 | 942.5 | 868.1 | 842.6 |
| 100° | 128.2 | 186.3 | 244.3 | 258.8 | 573.4 | 992.9 | 1202.7 | 1206.3 | 1213.6 | 1219.0 | 1188.8 |
| 102.5° | 155.1 | 209.3 | 263.4 | 277.0 | 596.1 | 1021.4 | 1234.2 | 1297.4 | 1423.8 | 1518.7 | 1492.8 |
| 105° | 200.6 | 246.5 | 292.3 | 303.8 | 612.7 | 1024.6 | 1230.6 | 1372.3 | 1655.8 | 1868.5 | 1854.6 |
| 107.5° | 247.2 | 289.9 | 332.8 | 343.4 | 615.9 | 979.1 | 1160.7 | 1358.4 | 1753.8 | 2050.4 | 2053.7 |
| 110° | 278.6 | 317.2 | 355.9 | 365.6 | 611.2 | 938.6 | 1102.4 | 1323.5 | 1765.5 | 2097.0 | 2111.5 |



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 309.6 | 346.4 | 383.2 | 392.4 | 611.4 | 903.4 | 1049.4 | 1275.6 | 1728.0 | 2067.3 | 2089.5 |
| 115° | 356.2 | 390.1 | 424.1 | 432.6 | 617.0 | 862.9 | 985.8 | 1203.7 | 1639.6 | 1966.4 | 1997.4 |
| 117.5° | 402.3 | 433.1 | 464.0 | 471.7 | 628.5 | 837.6 | 942.1 | 1138.8 | 1532.1 | 1827.1 | 1861.4 |
| 120° | 429.0 | 458.1 | 487.1 | 494.4 | 637.7 | 829.0 | 924.6 | 1104.3 | 1463.7 | 1733.2 | 1766.5 |
| 122.5° | 455.3 | 484.6 | 513.9 | 521.2 | 651.2 | 824.6 | 911.2 | 1073.0 | 1396.6 | 1639.4 | 1672.2 |
| 125° | 495.6 | 522.2 | 549.0 | 555.6 | 669.2 | 820.9 | 896.7 | 1034.1 | 1309.0 | 1515.2 | 1545.4 |
| 127.5° | 528.2 | 555.1 | 582.0 | 588.8 | 687.3 | 818.7 | 884.4 | 1002.5 | 1238.5 | 1415.5 | 1441.0 |
| 130° | 545.7 | 574.7 | 603.6 | 610.9 | 700.6 | 820.0 | 879.7 | 984.8 | 1194.9 | 1352.5 | 1376.1 |
| 132.5° | 563.7 | 592.8 | 621.8 | 629.1 | 711.2 | 820.9 | 875.6 | 969.7 | 1157.8 | 1298.9 | 1320.0 |
| 135° | 590.5 | 617.0 | 643.4 | 650.0 | 722.9 | 820.0 | 868.6 | 947.4 | 1104.9 | 1223.1 | 1241.3 |
| 137.5° | 617.9 | 644.1 | 670.3 | 676.8 | 740.4 | 825.2 | 867.5 | 934.1 | 1067.2 | 1167.2 | 1182.0 |
| 140° | 640.7 | 664.9 | 689.0 | 695.0 | 751.1 | 826.0 | 863.4 | 920.9 | 1035.9 | 1122.2 | 1136.1 |
| 142.5° | 658.2 | 680.5 | 702.7 | 708.3 | 760.0 | 828.9 | 863.4 | 914.0 | 1015.0 | 1090.8 | 1102.8 |
| 145° | 685.0 | 704.5 | 723.8 | 728.7 | 771.7 | 829.0 | 857.6 | 898.9 | 981.5 | 1043.5 | 1052.6 |
| 147.5° | 711.8 | 730.8 | 749.6 | 754.4 | 788.8 | 834.7 | 857.6 | 890.1 | 955.1 | 1003.9 | 1011.4 |
| 150° | 729.4 | 746.5 | 763.5 | 767.8 | 797.7 | 837.6 | 857.6 | 885.1 | 939.9 | 981.2 | 987.2 |
| 152.5° | 747.4 | 760.4 | 773.3 | 776.6 | 803.6 | 839.6 | 857.6 | 881.1 | 928.0 | 963.1 | 967.7 |
| 155° | 774.2 | 783.8 | 793.4 | 795.8 | 816.4 | 843.9 | 857.6 | 876.3 | 913.6 | 941.5 | 944.6 |
| 157.5° | 794.0 | 803.4 | 812.6 | 815.0 | 829.2 | 848.2 | 857.6 | 872.1 | 901.1 | 922.8 | 925.0 |
| 160° | 807.4 | 814.7 | 822.0 | 823.8 | 835.1 | 850.1 | 857.6 | 870.0 | 894.9 | 913.5 | 914.7 |
| 162.5° | 820.9 | 826.3 | 831.7 | 833.1 | 841.2 | 852.2 | 857.6 | 868.1 | 889.1 | 904.8 | 905.9 |
| 165° | 835.4 | 840.3 | 845.3 | 846.5 | 850.2 | 855.2 | 857.6 | 865.1 | 880.1 | 891.3 | 892.6 |
| 167.5° | 848.8 | 851.1 | 853.5 | 854.0 | 857.1 | 861.3 | 863.4 | 868.3 | 878.2 | 885.5 | 886.1 |
| 170° | 857.6 | 859.9 | 862.3 | 862.8 | 863.0 | 863.3 | 863.4 | 868.3 | 878.2 | 885.5 | 885.5 |
| 172.5° | 862.3 | 862.7 | 863.3 | 863.4 | 863.4 | 863.4 | 863.4 | 867.3 | 875.1 | 880.9 | 880.4 |
| 175° | 868.6 | 868.6 | 868.6 | 868.6 | 866.8 | 864.5 | 863.4 | 865.8 | 870.8 | 874.5 | 874.5 |
| 177.5° | 868.6 | 868.6 | 868.6 | 868.6 | 867.3 | 865.5 | 864.6 | 866.6 | 870.4 | 873.3 | 872.7 |
| 180° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 |
| 2.5° | 1338.7 | 1335.0 | 1338.7 | 1336.3 | 1337.5 | 1333.7 | 1322.6 | 1319.0 | 1322.6 | 1326.3 | 1326.3 |
| 5° | 1354.8 | 1352.3 | 1354.8 | 1354.8 | 1353.5 | 1351.0 | 1338.7 | 1336.3 | 1338.7 | 1339.9 | 1337.5 |
| 7.5° | 1359.7 | 1356.0 | 1359.7 | 1357.2 | 1357.2 | 1354.8 | 1342.4 | 1339.9 | 1341.2 | 1344.9 | 1341.2 |
| 10° | 1359.7 | 1356.0 | 1359.7 | 1358.5 | 1357.2 | 1354.8 | 1342.4 | 1337.5 | 1337.5 | 1341.2 | 1337.5 |
| 12.5° | 1353.5 | 1351.0 | 1353.5 | 1351.0 | 1351.0 | 1348.6 | 1336.3 | 1331.3 | 1332.5 | 1333.7 | 1328.9 |
| 15° | 1343.6 | 1339.9 | 1343.6 | 1341.2 | 1342.4 | 1338.7 | 1325.1 | 1320.2 | 1320.2 | 1322.6 | 1314.0 |
| 17.5° | 1328.9 | 1323.9 | 1328.9 | 1327.6 | 1326.3 | 1323.9 | 1311.6 | 1306.6 | 1305.3 | 1306.6 | 1300.5 |
| 20° | 1311.6 | 1307.8 | 1311.6 | 1310.3 | 1310.3 | 1305.3 | 1293.0 | 1286.8 | 1286.8 | 1286.8 | 1280.6 |
| 22.5° | 1284.4 | 1280.6 | 1284.4 | 1286.8 | 1286.8 | 1285.6 | 1274.5 | 1265.9 | 1263.3 | 1263.3 | 1256.0 |
| 25° | 1253.5 | 1249.8 | 1253.5 | 1253.5 | 1252.2 | 1253.5 | 1249.8 | 1244.8 | 1241.1 | 1237.5 | 1230.1 |
| 27.5° | 1223.8 | 1221.4 | 1223.8 | 1221.4 | 1223.8 | 1220.2 | 1219.0 | 1217.6 | 1212.8 | 1209.0 | 1199.1 |
| 30° | 1194.2 | 1191.8 | 1194.2 | 1191.8 | 1189.3 | 1186.8 | 1180.6 | 1178.2 | 1183.1 | 1180.6 | 1164.6 |
| 32.5° | 1157.2 | 1154.7 | 1157.2 | 1157.2 | 1154.7 | 1154.7 | 1144.8 | 1141.1 | 1142.3 | 1149.8 | 1134.9 |
| 35° | 1118.8 | 1115.2 | 1118.8 | 1117.6 | 1118.8 | 1115.2 | 1109.0 | 1107.7 | 1102.9 | 1111.5 | 1100.3 |
| 37.5° | 1074.4 | 1070.7 | 1074.4 | 1074.4 | 1074.4 | 1076.9 | 1071.9 | 1068.3 | 1060.8 | 1071.9 | 1063.3 |
| 40° | 1028.7 | 1023.8 | 1028.7 | 1027.5 | 1028.7 | 1031.2 | 1028.7 | 1026.2 | 1018.8 | 1027.5 | 1020.0 |
| 42.5° | 976.9 | 975.6 | 976.9 | 978.1 | 978.1 | 983.0 | 986.8 | 981.8 | 979.3 | 973.1 | 978.1 |
| 45° | 921.2 | 918.8 | 921.2 | 923.8 | 925.0 | 927.4 | 938.5 | 938.5 | 934.9 | 925.0 | 932.4 |
| 47.5° | 862.0 | 855.8 | 862.0 | 869.5 | 869.5 | 873.1 | 884.2 | 892.9 | 886.7 | 874.3 | 878.1 |
| 50° | 799.0 | 800.3 | 799.0 | 803.9 | 803.9 | 817.6 | 826.2 | 834.9 | 841.0 | 826.2 | 808.9 |
| 52.5° | 737.3 | 736.1 | 737.3 | 740.9 | 745.9 | 752.1 | 766.9 | 775.5 | 785.4 | 776.8 | 749.6 |
| 55° | 675.5 | 678.0 | 675.5 | 676.7 | 679.3 | 682.9 | 705.1 | 713.8 | 732.3 | 721.2 | 692.8 |
| 57.5° | 613.8 | 610.1 | 613.8 | 616.3 | 617.5 | 621.2 | 639.7 | 655.8 | 666.9 | 668.1 | 633.5 |
| 60° | 542.1 | 537.2 | 542.1 | 553.3 | 555.8 | 558.2 | 575.5 | 590.4 | 600.2 | 603.9 | 568.1 |
| 62.5° | 479.1 | 470.5 | 479.1 | 486.6 | 491.6 | 497.7 | 510.1 | 532.3 | 540.9 | 542.1 | 491.6 |
| 65° | 412.5 | 408.7 | 412.5 | 427.3 | 428.6 | 435.9 | 449.5 | 465.6 | 484.1 | 481.7 | 408.7 |
| 67.5° | 352.0 | 352.0 | 352.0 | 361.8 | 369.2 | 372.9 | 390.2 | 397.6 | 421.1 | 423.6 | 340.9 |
| 70° | 296.4 | 295.2 | 296.4 | 303.8 | 308.7 | 317.4 | 333.4 | 342.1 | 360.6 | 366.8 | 276.7 |
| 72.5° | 243.3 | 242.1 | 243.3 | 249.5 | 254.4 | 261.8 | 275.4 | 285.3 | 301.3 | 308.7 | 214.9 |
| 75° | 196.4 | 193.9 | 196.4 | 201.3 | 200.0 | 209.9 | 221.1 | 231.0 | 245.7 | 250.7 | 159.3 |
| 77.5° | 150.7 | 150.7 | 150.7 | 155.6 | 155.6 | 165.4 | 170.4 | 182.7 | 191.4 | 198.8 | 117.3 |
| 80° | 112.4 | 111.1 | 112.4 | 113.7 | 113.7 | 118.5 | 127.2 | 135.8 | 143.3 | 143.3 | 80.3 |
| 82.5° | 79.1 | 76.6 | 79.1 | 79.1 | 79.1 | 81.5 | 86.5 | 88.9 | 93.8 | 97.6 | 50.7 |
| 85° | 49.4 | 49.4 | 49.4 | 50.7 | 49.4 | 51.9 | 53.1 | 55.6 | 55.6 | 53.1 | 30.8 |
| 87.5° | 32.2 | 30.8 | 32.2 | 30.8 | 30.8 | 29.6 | 29.6 | 29.6 | 28.4 | 27.2 | 17.3 |
| 90° | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 29.5 | 39.4 | 44.3 | 38.1 | 25.7 | 16.4 |
| 92.5° | 88.7 | 71.1 | 88.7 | 106.4 | 110.8 | 157.0 | 218.6 | 249.5 | 219.0 | 158.2 | 112.5 |
| 95° | 309.3 | 255.9 | 309.3 | 362.7 | 376.0 | 493.8 | 650.8 | 729.4 | 616.0 | 389.2 | 219.2 |
| 97.5° | 741.1 | 639.5 | 741.1 | 842.6 | 868.1 | 942.5 | 1041.7 | 1091.4 | 902.4 | 524.3 | 240.8 |
| 100° | 1067.8 | 946.8 | 1067.8 | 1188.8 | 1219.0 | 1213.6 | 1206.3 | 1202.7 | 992.9 | 573.4 | 258.8 |
| 102.5° | 1389.2 | 1285.5 | 1389.2 | 1492.8 | 1518.7 | 1423.8 | 1297.4 | 1234.2 | 1021.4 | 596.1 | 277.0 |
| 105° | 1798.8 | 1743.1 | 1798.8 | 1854.6 | 1868.5 | 1655.8 | 1372.3 | 1230.6 | 1024.6 | 612.7 | 303.8 |
| 107.5° | 2067.2 | 2080.7 | 2067.2 | 2053.7 | 2050.4 | 1753.8 | 1358.4 | 1160.7 | 979.1 | 615.9 | 343.4 |
| 110° | 2169.5 | 2227.6 | 2169.5 | 2111.5 | 2097.0 | 1765.5 | 1323.5 | 1102.4 | 938.6 | 611.2 | 365.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2178.7 | 2267.8 | 2178.7 | 2089.5 | 2067.3 | 1728.0 | 1275.6 | 1049.4 | 903.4 | 611.4 | 392.4 |
| 115° | 2120.9 | 2244.5 | 2120.9 | 1997.4 | 1966.4 | 1639.6 | 1203.7 | 985.8 | 862.9 | 617.0 | 432.6 |
| 117.5° | 1998.4 | 2135.4 | 1998.4 | 1861.4 | 1827.1 | 1532.1 | 1138.8 | 942.1 | 837.6 | 628.5 | 471.7 |
| 120° | 1899.7 | 2032.9 | 1899.7 | 1766.5 | 1733.2 | 1463.7 | 1104.3 | 924.6 | 829.0 | 637.7 | 494.4 |
| 122.5° | 1803.6 | 1934.9 | 1803.6 | 1672.2 | 1639.4 | 1396.6 | 1073.0 | 911.2 | 824.6 | 651.2 | 521.2 |
| 125° | 1666.4 | 1787.4 | 1666.4 | 1545.4 | 1515.2 | 1309.0 | 1034.1 | 896.7 | 820.9 | 669.2 | 555.6 |
| 127.5° | 1543.1 | 1645.2 | 1543.1 | 1441.0 | 1415.5 | 1238.5 | 1002.5 | 884.4 | 818.7 | 687.3 | 588.8 |
| 130° | 1470.4 | 1564.7 | 1470.4 | 1376.1 | 1352.5 | 1194.9 | 984.8 | 879.7 | 820.0 | 700.6 | 610.9 |
| 132.5° | 1404.4 | 1488.9 | 1404.4 | 1320.0 | 1298.9 | 1157.8 | 969.7 | 875.6 | 820.9 | 711.2 | 629.1 |
| 135° | 1314.1 | 1386.9 | 1314.1 | 1241.3 | 1223.1 | 1104.9 | 947.4 | 868.6 | 820.0 | 722.9 | 650.0 |
| 137.5° | 1241.7 | 1301.2 | 1241.7 | 1182.0 | 1167.2 | 1067.2 | 934.1 | 867.5 | 825.2 | 740.4 | 676.8 |
| 140° | 1191.8 | 1247.6 | 1191.8 | 1136.1 | 1122.2 | 1035.9 | 920.9 | 863.4 | 826.0 | 751.1 | 695.0 |
| 142.5° | 1150.7 | 1198.6 | 1150.7 | 1102.8 | 1090.8 | 1015.0 | 914.0 | 863.4 | 828.9 | 760.0 | 708.3 |
| 145° | 1088.9 | 1125.2 | 1088.9 | 1052.6 | 1043.5 | 981.5 | 898.9 | 857.6 | 829.0 | 771.7 | 728.7 |
| 147.5° | 1041.4 | 1071.5 | 1041.4 | 1011.4 | 1003.9 | 955.1 | 890.1 | 857.6 | 834.7 | 788.8 | 754.4 |
| 150° | 1011.6 | 1035.9 | 1011.6 | 987.2 | 981.2 | 939.9 | 885.1 | 857.6 | 837.6 | 797.7 | 767.8 |
| 152.5° | 986.1 | 1004.4 | 986.1 | 967.7 | 963.1 | 928.0 | 881.1 | 857.6 | 839.6 | 803.6 | 776.6 |
| 155° | 956.8 | 968.9 | 956.8 | 944.6 | 941.5 | 913.6 | 876.3 | 857.6 | 843.9 | 816.4 | 795.8 |
| 157.5° | 933.5 | 942.1 | 933.5 | 925.0 | 922.8 | 901.1 | 872.1 | 857.6 | 848.2 | 829.2 | 815.0 |
| 160° | 919.7 | 924.6 | 919.7 | 914.7 | 913.5 | 894.9 | 870.0 | 857.6 | 850.1 | 835.1 | 823.8 |
| 162.5° | 910.6 | 915.3 | 910.6 | 905.9 | 904.8 | 889.1 | 868.1 | 857.6 | 852.2 | 841.2 | 833.1 |
| 165° | 897.5 | 902.5 | 897.5 | 892.6 | 891.3 | 880.1 | 865.1 | 857.6 | 855.2 | 850.2 | 846.5 |
| 167.5° | 888.2 | 890.2 | 888.2 | 886.1 | 885.5 | 878.2 | 868.3 | 863.4 | 861.3 | 857.1 | 854.0 |
| 170° | 885.5 | 885.5 | 885.5 | 885.5 | 885.5 | 878.2 | 868.3 | 863.4 | 863.3 | 863.0 | 862.8 |
| 172.5° | 878.6 | 876.8 | 878.6 | 880.4 | 880.9 | 875.1 | 867.3 | 863.4 | 863.4 | 863.4 | 863.4 |
| 175° | 874.5 | 874.5 | 874.5 | 874.5 | 874.5 | 870.8 | 865.8 | 863.4 | 864.5 | 866.8 | 868.6 |
| 177.5° | 870.7 | 868.6 | 870.7 | 872.7 | 873.3 | 870.4 | 866.6 | 864.6 | 865.5 | 867.3 | 868.6 |
| 180° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 |
| 2.5° | 1323.9 | 1316.4 | 1316.4 | 1304.1 | 1299.1 | 1295.5 | 1289.3 | 1270.8 | 1265.9 | 1260.9 | 1268.3 |
| 5° | 1335.0 | 1321.4 | 1311.6 | 1289.3 | 1270.8 | 1263.3 | 1239.9 | 1195.5 | 1165.8 | 1143.6 | 1131.3 |
| 7.5° | 1337.5 | 1320.2 | 1301.7 | 1267.1 | 1222.6 | 1202.9 | 1131.3 | 1049.8 | 1027.5 | 1007.7 | 995.4 |
| 10° | 1335.0 | 1315.2 | 1289.3 | 1237.5 | 1132.5 | 1097.9 | 1026.2 | 973.1 | 959.6 | 955.8 | 959.6 |
| 12.5° | 1326.3 | 1307.8 | 1272.0 | 1185.6 | 1038.6 | 1015.2 | 973.1 | 942.3 | 939.8 | 946.0 | 979.3 |
| 15° | 1311.6 | 1294.3 | 1252.2 | 1116.4 | 986.8 | 969.5 | 939.8 | 928.7 | 942.3 | 985.5 | 1085.6 |
| 17.5° | 1296.7 | 1277.0 | 1225.1 | 1048.5 | 947.2 | 934.9 | 913.9 | 936.1 | 1012.7 | 1070.7 | 1104.1 |
| 20° | 1277.0 | 1253.5 | 1194.2 | 999.1 | 918.8 | 907.7 | 897.8 | 997.9 | 1055.9 | 1076.9 | 1095.4 |
| 22.5° | 1253.5 | 1228.8 | 1152.2 | 964.5 | 889.2 | 880.5 | 886.7 | 1032.5 | 1055.9 | 1070.7 | 1086.8 |
| 25° | 1222.6 | 1201.7 | 1102.9 | 937.3 | 865.7 | 855.8 | 879.3 | 1028.7 | 1042.3 | 1046.0 | 1078.1 |
| 27.5° | 1194.2 | 1167.1 | 1051.0 | 912.6 | 837.3 | 833.6 | 885.4 | 1012.7 | 1022.6 | 1026.2 | 1060.8 |
| 30° | 1159.6 | 1118.8 | 992.9 | 886.7 | 807.7 | 806.5 | 886.7 | 992.9 | 990.4 | 1000.3 | 1034.9 |
| 32.5° | 1123.8 | 1047.2 | 927.4 | 854.6 | 779.3 | 778.0 | 878.1 | 963.3 | 960.8 | 974.4 | 1000.3 |
| 35° | 1090.5 | 991.7 | 838.5 | 817.6 | 743.5 | 744.7 | 857.0 | 928.7 | 929.9 | 942.3 | 958.4 |
| 37.5° | 1055.9 | 943.5 | 740.9 | 776.8 | 708.9 | 708.9 | 828.6 | 896.6 | 894.1 | 897.8 | 920.0 |
| 40° | 1015.2 | 868.2 | 654.6 | 723.6 | 676.7 | 673.1 | 794.1 | 862.0 | 853.4 | 852.2 | 883.0 |
| 42.5° | 971.9 | 785.4 | 590.4 | 653.3 | 639.7 | 634.8 | 752.1 | 820.0 | 803.9 | 807.7 | 847.2 |
| 45° | 925.0 | 763.2 | 540.9 | 552.0 | 601.4 | 597.7 | 706.4 | 771.9 | 760.8 | 770.7 | 811.4 |
| 47.5° | 878.1 | 718.8 | 524.8 | 458.2 | 560.6 | 559.4 | 655.8 | 725.0 | 718.8 | 728.6 | 771.9 |
| 50° | 813.8 | 669.3 | 523.6 | 392.8 | 515.0 | 519.9 | 595.2 | 679.3 | 679.3 | 687.9 | 733.6 |
| 52.5° | 731.1 | 608.9 | 475.5 | 355.7 | 461.8 | 476.7 | 542.1 | 639.7 | 642.1 | 650.8 | 691.6 |
| 55° | 655.8 | 545.9 | 440.9 | 327.2 | 398.9 | 431.0 | 490.3 | 599.0 | 603.9 | 612.5 | 649.6 |
| 57.5° | 586.6 | 454.5 | 433.5 | 294.0 | 340.9 | 371.7 | 444.5 | 559.4 | 561.9 | 569.3 | 605.1 |
| 60° | 512.5 | 328.5 | 397.6 | 258.1 | 290.2 | 313.7 | 402.6 | 512.5 | 521.2 | 526.1 | 557.0 |
| 62.5° | 428.6 | 238.4 | 360.6 | 233.4 | 265.5 | 270.5 | 368.0 | 468.0 | 479.1 | 482.9 | 501.4 |
| 65° | 305.0 | 200.0 | 306.3 | 212.5 | 239.6 | 240.8 | 331.0 | 422.4 | 432.2 | 438.4 | 452.0 |
| 67.5° | 206.2 | 163.0 | 233.4 | 192.6 | 219.8 | 221.1 | 295.2 | 369.2 | 382.9 | 387.8 | 396.4 |
| 70° | 143.3 | 108.7 | 172.9 | 171.7 | 197.6 | 200.0 | 256.9 | 321.1 | 333.4 | 337.1 | 342.1 |
| 72.5° | 105.0 | 87.7 | 143.3 | 154.4 | 174.1 | 176.6 | 217.3 | 266.8 | 279.1 | 282.8 | 285.3 |
| 75° | 80.3 | 92.6 | 116.1 | 134.6 | 148.2 | 149.5 | 177.9 | 217.3 | 226.0 | 228.4 | 229.7 |
| 77.5° | 64.2 | 86.5 | 85.2 | 108.7 | 121.0 | 118.5 | 139.6 | 168.0 | 175.4 | 175.4 | 175.4 |
| 80° | 48.1 | 68.0 | 64.2 | 77.8 | 88.9 | 86.5 | 100.0 | 119.8 | 122.3 | 124.7 | 123.5 |
| 82.5° | 35.8 | 43.2 | 43.2 | 49.4 | 59.3 | 56.8 | 66.6 | 77.8 | 77.8 | 77.8 | 80.3 |
| 85° | 22.2 | 24.7 | 19.7 | 25.9 | 33.4 | 32.2 | 37.0 | 42.0 | 43.2 | 43.2 | 40.8 |
| 87.5° | 13.6 | 11.1 | 6.2 | 9.9 | 14.9 | 14.9 | 17.3 | 18.5 | 17.3 | 17.3 | 17.3 |
| 90° | 15.1 | 10.5 | 5.8 | 10.5 | 15.1 | 16.4 | 25.7 | 38.1 | 44.3 | 39.4 | 29.5 |
| 92.5° | 102.6 | 62.9 | 23.3 | 62.9 | 102.6 | 112.5 | 158.2 | 219.0 | 249.5 | 218.6 | 157.0 |
| 95° | 201.1 | 128.5 | 56.0 | 128.5 | 201.1 | 219.2 | 389.2 | 616.0 | 729.4 | 650.8 | 493.8 |
| 97.5° | 224.8 | 160.8 | 96.7 | 160.8 | 224.8 | 240.8 | 524.3 | 902.4 | 1091.4 | 1041.7 | 942.5 |
| 100° | 244.3 | 186.3 | 128.2 | 186.3 | 244.3 | 258.8 | 573.4 | 992.9 | 1202.7 | 1206.3 | 1213.6 |
| 102.5° | 263.4 | 209.3 | 155.1 | 209.3 | 263.4 | 277.0 | 596.1 | 1021.4 | 1234.2 | 1297.4 | 1423.8 |
| 105° | 292.3 | 246.5 | 200.6 | 246.5 | 292.3 | 303.8 | 612.7 | 1024.6 | 1230.6 | 1372.3 | 1655.8 |
| 107.5° | 332.8 | 289.9 | 247.2 | 289.9 | 332.8 | 343.4 | 615.9 | 979.1 | 1160.7 | 1358.4 | 1753.8 |
| 110° | 355.9 | 317.2 | 278.6 | 317.2 | 355.9 | 365.6 | 611.2 | 938.6 | 1102.4 | 1323.5 | 1765.5 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 383.2 | 346.4 | 309.6 | 346.4 | 383.2 | 392.4 | 611.4 | 903.4 | 1049.4 | 1275.6 | 1728.0 |
| 115° | 424.1 | 390.1 | 356.2 | 390.1 | 424.1 | 432.6 | 617.0 | 862.9 | 985.8 | 1203.7 | 1639.6 |
| 117.5° | 464.0 | 433.1 | 402.3 | 433.1 | 464.0 | 471.7 | 628.5 | 837.6 | 942.1 | 1138.8 | 1532.1 |
| 120° | 487.1 | 458.1 | 429.0 | 458.1 | 487.1 | 494.4 | 637.7 | 829.0 | 924.6 | 1104.3 | 1463.7 |
| 122.5° | 513.9 | 484.6 | 455.3 | 484.6 | 513.9 | 521.2 | 651.2 | 824.6 | 911.2 | 1073.0 | 1396.6 |
| 125° | 549.0 | 522.2 | 495.6 | 522.2 | 549.0 | 555.6 | 669.2 | 820.9 | 896.7 | 1034.1 | 1309.0 |
| 127.5° | 582.0 | 555.1 | 528.2 | 555.1 | 582.0 | 588.8 | 687.3 | 818.7 | 884.4 | 1002.5 | 1238.5 |
| 130° | 603.6 | 574.7 | 545.7 | 574.7 | 603.6 | 610.9 | 700.6 | 820.0 | 879.7 | 984.8 | 1194.9 |
| 132.5° | 621.8 | 592.8 | 563.7 | 592.8 | 621.8 | 629.1 | 711.2 | 820.9 | 875.6 | 969.7 | 1157.8 |
| 135° | 643.4 | 617.0 | 590.5 | 617.0 | 643.4 | 650.0 | 722.9 | 820.0 | 868.6 | 947.4 | 1104.9 |
| 137.5° | 670.3 | 644.1 | 617.9 | 644.1 | 670.3 | 676.8 | 740.4 | 825.2 | 867.5 | 934.1 | 1067.2 |
| 140° | 689.0 | 664.9 | 640.7 | 664.9 | 689.0 | 695.0 | 751.1 | 826.0 | 863.4 | 920.9 | 1035.9 |
| 142.5° | 702.7 | 680.5 | 658.2 | 680.5 | 702.7 | 708.3 | 760.0 | 828.9 | 863.4 | 914.0 | 1015.0 |
| 145° | 723.8 | 704.5 | 685.0 | 704.5 | 723.8 | 728.7 | 771.7 | 829.0 | 857.6 | 898.9 | 981.5 |
| 147.5° | 749.6 | 730.8 | 711.8 | 730.8 | 749.6 | 754.4 | 788.8 | 834.7 | 857.6 | 890.1 | 955.1 |
| 150° | 763.5 | 746.5 | 729.4 | 746.5 | 763.5 | 767.8 | 797.7 | 837.6 | 857.6 | 885.1 | 939.9 |
| 152.5° | 773.3 | 760.4 | 747.4 | 760.4 | 773.3 | 776.6 | 803.6 | 839.6 | 857.6 | 881.1 | 928.0 |
| 155° | 793.4 | 783.8 | 774.2 | 783.8 | 793.4 | 795.8 | 816.4 | 843.9 | 857.6 | 876.3 | 913.6 |
| 157.5° | 812.6 | 803.4 | 794.0 | 803.4 | 812.6 | 815.0 | 829.2 | 848.2 | 857.6 | 872.1 | 901.1 |
| 160° | 822.0 | 814.7 | 807.4 | 814.7 | 822.0 | 823.8 | 835.1 | 850.1 | 857.6 | 870.0 | 894.9 |
| 162.5° | 831.7 | 826.3 | 820.9 | 826.3 | 831.7 | 833.1 | 841.2 | 852.2 | 857.6 | 868.1 | 889.1 |
| 165° | 845.3 | 840.3 | 835.4 | 840.3 | 845.3 | 846.5 | 850.2 | 855.2 | 857.6 | 865.1 | 880.1 |
| 167.5° | 853.5 | 851.1 | 848.8 | 851.1 | 853.5 | 854.0 | 857.1 | 861.3 | 863.4 | 868.3 | 878.2 |
| 170° | 862.3 | 859.9 | 857.6 | 859.9 | 862.3 | 862.8 | 863.0 | 863.3 | 863.4 | 868.3 | 878.2 |
| 172.5° | 863.3 | 862.7 | 862.3 | 862.7 | 863.3 | 863.4 | 863.4 | 863.4 | 863.4 | 867.3 | 875.1 |
| 175° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 866.8 | 864.5 | 863.4 | 865.8 | 870.8 |
| 177.5° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 867.3 | 865.5 | 864.6 | 866.6 | 870.4 |
| 180° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 |
| 2.5° | 1259.7 | 1256.0 | 1260.9 | 1247.3 | 1260.9 | 1256.0 | 1259.7 | 1268.3 | 1260.9 | 1265.9 | 1270.8 |
| 5° | 1105.3 | 1099.1 | 1079.4 | 1063.3 | 1079.4 | 1099.1 | 1105.3 | 1131.3 | 1143.6 | 1165.8 | 1195.5 |
| 7.5° | 988.0 | 983.0 | 978.1 | 968.2 | 978.1 | 983.0 | 988.0 | 995.4 | 1007.7 | 1027.5 | 1049.8 |
| 10° | 962.0 | 963.3 | 970.7 | 969.5 | 970.7 | 963.3 | 962.0 | 959.6 | 955.8 | 959.6 | 973.1 |
| 12.5° | 1028.7 | 1039.9 | 1080.6 | 1078.1 | 1080.6 | 1039.9 | 1028.7 | 979.3 | 946.0 | 939.8 | 942.3 |
| 15° | 1105.3 | 1109.0 | 1117.6 | 1118.8 | 1117.6 | 1109.0 | 1105.3 | 1085.6 | 985.5 | 942.3 | 928.7 |
| 17.5° | 1112.7 | 1114.0 | 1120.2 | 1120.2 | 1120.2 | 1114.0 | 1112.7 | 1104.1 | 1070.7 | 1012.7 | 936.1 |
| 20° | 1106.5 | 1109.0 | 1121.4 | 1123.8 | 1121.4 | 1109.0 | 1106.5 | 1095.4 | 1076.9 | 1055.9 | 997.9 |
| 22.5° | 1104.1 | 1109.0 | 1118.8 | 1117.6 | 1118.8 | 1109.0 | 1104.1 | 1086.8 | 1070.7 | 1055.9 | 1032.5 |
| 25° | 1091.7 | 1091.7 | 1093.0 | 1094.2 | 1093.0 | 1091.7 | 1091.7 | 1078.1 | 1046.0 | 1042.3 | 1028.7 |
| 27.5° | 1065.8 | 1068.3 | 1075.7 | 1074.4 | 1075.7 | 1068.3 | 1065.8 | 1060.8 | 1026.2 | 1022.6 | 1012.7 |
| 30° | 1042.3 | 1039.9 | 1033.7 | 1028.7 | 1033.7 | 1039.9 | 1042.3 | 1034.9 | 1000.3 | 990.4 | 992.9 |
| 32.5° | 1002.8 | 996.6 | 990.4 | 986.8 | 990.4 | 996.6 | 1002.8 | 1000.3 | 974.4 | 960.8 | 963.3 |
| 35° | 955.8 | 957.1 | 955.8 | 952.2 | 955.8 | 957.1 | 955.8 | 958.4 | 942.3 | 929.9 | 928.7 |
| 37.5° | 922.6 | 925.0 | 923.8 | 918.8 | 923.8 | 925.0 | 922.6 | 920.0 | 897.8 | 894.1 | 896.6 |
| 40° | 888.0 | 889.2 | 888.0 | 884.2 | 888.0 | 889.2 | 888.0 | 883.0 | 852.2 | 853.4 | 862.0 |
| 42.5° | 854.6 | 853.4 | 849.6 | 847.2 | 849.6 | 853.4 | 854.6 | 847.2 | 807.7 | 803.9 | 820.0 |
| 45° | 816.3 | 817.6 | 810.1 | 806.5 | 810.1 | 817.6 | 816.3 | 811.4 | 770.7 | 760.8 | 771.9 |
| 47.5° | 778.0 | 778.0 | 771.9 | 768.1 | 771.9 | 778.0 | 778.0 | 771.9 | 728.6 | 718.8 | 725.0 |
| 50° | 737.3 | 736.1 | 727.4 | 726.2 | 727.4 | 736.1 | 737.3 | 733.6 | 687.9 | 679.3 | 679.3 |
| 52.5° | 690.4 | 690.4 | 691.6 | 694.0 | 691.6 | 690.4 | 690.4 | 691.6 | 650.8 | 642.1 | 639.7 |
| 55° | 649.6 | 650.8 | 659.4 | 662.0 | 659.4 | 650.8 | 649.6 | 649.6 | 612.5 | 603.9 | 599.0 |
| 57.5° | 607.6 | 607.6 | 613.8 | 613.8 | 613.8 | 607.6 | 607.6 | 605.1 | 569.3 | 561.9 | 559.4 |
| 60° | 559.4 | 561.9 | 566.8 | 565.6 | 566.8 | 561.9 | 559.4 | 557.0 | 526.1 | 521.2 | 512.5 |
| 62.5° | 508.8 | 511.3 | 512.5 | 510.1 | 512.5 | 511.3 | 508.8 | 501.4 | 482.9 | 479.1 | 468.0 |
| 65° | 455.7 | 458.2 | 459.4 | 457.0 | 459.4 | 458.2 | 455.7 | 452.0 | 438.4 | 432.2 | 422.4 |
| 67.5° | 401.4 | 400.1 | 398.9 | 403.8 | 398.9 | 400.1 | 401.4 | 396.4 | 387.8 | 382.9 | 369.2 |
| 70° | 345.7 | 345.7 | 344.5 | 347.1 | 344.5 | 345.7 | 345.7 | 342.1 | 337.1 | 333.4 | 321.1 |
| 72.5° | 286.5 | 285.3 | 290.2 | 286.5 | 290.2 | 285.3 | 286.5 | 285.3 | 282.8 | 279.1 | 266.8 |
| 75° | 228.4 | 231.0 | 228.4 | 232.2 | 228.4 | 231.0 | 228.4 | 229.7 | 228.4 | 226.0 | 217.3 |
| 77.5° | 174.1 | 176.6 | 174.1 | 174.1 | 174.1 | 176.6 | 174.1 | 175.4 | 175.4 | 175.4 | 168.0 |
| 80° | 123.5 | 122.3 | 122.3 | 121.0 | 122.3 | 122.3 | 123.5 | 123.5 | 124.7 | 122.3 | 119.8 |
| 82.5° | 79.1 | 77.8 | 77.8 | 80.3 | 77.8 | 77.8 | 79.1 | 80.3 | 77.8 | 77.8 | 77.8 |
| 85° | 43.2 | 44.5 | 42.0 | 42.0 | 42.0 | 44.5 | 43.2 | 40.8 | 43.2 | 43.2 | 42.0 |
| 87.5° | 16.1 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 16.1 | 17.3 | 17.3 | 17.3 | 18.5 |
| 90° | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 29.5 | 39.4 | 44.3 | 38.1 |
| 92.5° | 110.8 | 106.4 | 88.7 | 71.1 | 88.7 | 106.4 | 110.8 | 157.0 | 218.6 | 249.5 | 219.0 |
| 95° | 376.0 | 362.7 | 309.3 | 255.9 | 309.3 | 362.7 | 376.0 | 493.8 | 650.8 | 729.4 | 616.0 |
| 97.5° | 868.1 | 842.6 | 741.1 | 639.5 | 741.1 | 842.6 | 868.1 | 942.5 | 1041.7 | 1091.4 | 902.4 |
| 100° | 1219.0 | 1188.8 | 1067.8 | 946.8 | 1067.8 | 1188.8 | 1219.0 | 1213.6 | 1206.3 | 1202.7 | 992.9 |
| 102.5° | 1518.7 | 1492.8 | 1389.2 | 1285.5 | 1389.2 | 1492.8 | 1518.7 | 1423.8 | 1297.4 | 1234.2 | 1021.4 |
| 105° | 1868.5 | 1854.6 | 1798.8 | 1743.1 | 1798.8 | 1854.6 | 1868.5 | 1655.8 | 1372.3 | 1230.6 | 1024.6 |
| 107.5° | 2050.4 | 2053.7 | 2067.2 | 2080.7 | 2067.2 | 2053.7 | 2050.4 | 1753.8 | 1358.4 | 1160.7 | 979.1 |
| 110° | 2097.0 | 2111.5 | 2169.5 | 2227.6 | 2169.5 | 2111.5 | 2097.0 | 1765.5 | 1323.5 | 1102.4 | 938.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2067.3 | 2089.5 | 2178.7 | 2267.8 | 2178.7 | 2089.5 | 2067.3 | 1728.0 | 1275.6 | 1049.4 | 903.4 |
| 115° | 1966.4 | 1997.4 | 2120.9 | 2244.5 | 2120.9 | 1997.4 | 1966.4 | 1639.6 | 1203.7 | 985.8 | 862.9 |
| 117.5° | 1827.1 | 1861.4 | 1998.4 | 2135.4 | 1998.4 | 1861.4 | 1827.1 | 1532.1 | 1138.8 | 942.1 | 837.6 |
| 120° | 1733.2 | 1766.5 | 1899.7 | 2032.9 | 1899.7 | 1766.5 | 1733.2 | 1463.7 | 1104.3 | 924.6 | 829.0 |
| 122.5° | 1639.4 | 1672.2 | 1803.6 | 1934.9 | 1803.6 | 1672.2 | 1639.4 | 1396.6 | 1073.0 | 911.2 | 824.6 |
| 125° | 1515.2 | 1545.4 | 1666.4 | 1787.4 | 1666.4 | 1545.4 | 1515.2 | 1309.0 | 1034.1 | 896.7 | 820.9 |
| 127.5° | 1415.5 | 1441.0 | 1543.1 | 1645.2 | 1543.1 | 1441.0 | 1415.5 | 1238.5 | 1002.5 | 884.4 | 818.7 |
| 130° | 1352.5 | 1376.1 | 1470.4 | 1564.7 | 1470.4 | 1376.1 | 1352.5 | 1194.9 | 984.8 | 879.7 | 820.0 |
| 132.5° | 1298.9 | 1320.0 | 1404.4 | 1488.9 | 1404.4 | 1320.0 | 1298.9 | 1157.8 | 969.7 | 875.6 | 820.9 |
| 135° | 1223.1 | 1241.3 | 1314.1 | 1386.9 | 1314.1 | 1241.3 | 1223.1 | 1104.9 | 947.4 | 868.6 | 820.0 |
| 137.5° | 1167.2 | 1182.0 | 1241.7 | 1301.2 | 1241.7 | 1182.0 | 1167.2 | 1067.2 | 934.1 | 867.5 | 825.2 |
| 140° | 1122.2 | 1136.1 | 1191.8 | 1247.6 | 1191.8 | 1136.1 | 1122.2 | 1035.9 | 920.9 | 863.4 | 826.0 |
| 142.5° | 1090.8 | 1102.8 | 1150.7 | 1198.6 | 1150.7 | 1102.8 | 1090.8 | 1015.0 | 914.0 | 863.4 | 828.9 |
| 145° | 1043.5 | 1052.6 | 1088.9 | 1125.2 | 1088.9 | 1052.6 | 1043.5 | 981.5 | 898.9 | 857.6 | 829.0 |
| 147.5° | 1003.9 | 1011.4 | 1041.4 | 1071.5 | 1041.4 | 1011.4 | 1003.9 | 955.1 | 890.1 | 857.6 | 834.7 |
| 150° | 981.2 | 987.2 | 1011.6 | 1035.9 | 1011.6 | 987.2 | 981.2 | 939.9 | 885.1 | 857.6 | 837.6 |
| 152.5° | 963.1 | 967.7 | 986.1 | 1004.4 | 986.1 | 967.7 | 963.1 | 928.0 | 881.1 | 857.6 | 839.6 |
| 155° | 941.5 | 944.6 | 956.8 | 968.9 | 956.8 | 944.6 | 941.5 | 913.6 | 876.3 | 857.6 | 843.9 |
| 157.5° | 922.8 | 925.0 | 933.5 | 942.1 | 933.5 | 925.0 | 922.8 | 901.1 | 872.1 | 857.6 | 848.2 |
| 160° | 913.5 | 914.7 | 919.7 | 924.6 | 919.7 | 914.7 | 913.5 | 894.9 | 870.0 | 857.6 | 850.1 |
| 162.5° | 904.8 | 905.9 | 910.6 | 915.3 | 910.6 | 905.9 | 904.8 | 889.1 | 868.1 | 857.6 | 852.2 |
| 165° | 891.3 | 892.6 | 897.5 | 902.5 | 897.5 | 892.6 | 891.3 | 880.1 | 865.1 | 857.6 | 855.2 |
| 167.5° | 885.5 | 886.1 | 888.2 | 890.2 | 888.2 | 886.1 | 885.5 | 878.2 | 868.3 | 863.4 | 861.3 |
| 170° | 885.5 | 885.5 | 885.5 | 885.5 | 885.5 | 885.5 | 885.5 | 878.2 | 868.3 | 863.4 | 863.3 |
| 172.5° | 880.9 | 880.4 | 878.6 | 876.8 | 878.6 | 880.4 | 880.9 | 875.1 | 867.3 | 863.4 | 863.4 |
| 175° | 874.5 | 874.5 | 874.5 | 874.5 | 874.5 | 874.5 | 874.5 | 870.8 | 865.8 | 863.4 | 864.5 |
| 177.5° | 873.3 | 872.7 | 870.7 | 868.6 | 870.7 | 872.7 | 873.3 | 870.4 | 866.6 | 864.6 | 865.5 |
| 180° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1305.3 | 1305.3 | 1305.3 | 1305.3 | 1305.3 |
| 2.5° | 1289.3 | 1295.5 | 1299.1 | 1304.1 | 1316.4 |
| 5° | 1239.9 | 1263.3 | 1270.8 | 1289.3 | 1311.6 |
| 7.5° | 1131.3 | 1202.9 | 1222.6 | 1267.1 | 1301.7 |
| 10° | 1026.2 | 1097.9 | 1132.5 | 1237.5 | 1289.3 |
| 12.5° | 973.1 | 1015.2 | 1038.6 | 1185.6 | 1272.0 |
| 15° | 939.8 | 969.5 | 986.8 | 1116.4 | 1252.2 |
| 17.5° | 913.9 | 934.9 | 947.2 | 1048.5 | 1225.1 |
| 20° | 897.8 | 907.7 | 918.8 | 999.1 | 1194.2 |
| 22.5° | 886.7 | 880.5 | 889.2 | 964.5 | 1152.2 |
| 25° | 879.3 | 855.8 | 865.7 | 937.3 | 1102.9 |
| 27.5° | 885.4 | 833.6 | 837.3 | 912.6 | 1051.0 |
| 30° | 886.7 | 806.5 | 807.7 | 886.7 | 992.9 |
| 32.5° | 878.1 | 778.0 | 779.3 | 854.6 | 927.4 |
| 35° | 857.0 | 744.7 | 743.5 | 817.6 | 838.5 |
| 37.5° | 828.6 | 708.9 | 708.9 | 776.8 | 740.9 |
| 40° | 794.1 | 673.1 | 676.7 | 723.6 | 654.6 |
| 42.5° | 752.1 | 634.8 | 639.7 | 653.3 | 590.4 |
| 45° | 706.4 | 597.7 | 601.4 | 552.0 | 540.9 |
| 47.5° | 655.8 | 559.4 | 560.6 | 458.2 | 524.8 |
| 50° | 595.2 | 519.9 | 515.0 | 392.8 | 523.6 |
| 52.5° | 542.1 | 476.7 | 461.8 | 355.7 | 475.5 |
| 55° | 490.3 | 431.0 | 398.9 | 327.2 | 440.9 |
| 57.5° | 444.5 | 371.7 | 340.9 | 294.0 | 433.5 |
| 60° | 402.6 | 313.7 | 290.2 | 258.1 | 397.6 |
| 62.5° | 368.0 | 270.5 | 265.5 | 233.4 | 360.6 |
| 65° | 331.0 | 240.8 | 239.6 | 212.5 | 306.3 |
| 67.5° | 295.2 | 221.1 | 219.8 | 192.6 | 233.4 |
| 70° | 256.9 | 200.0 | 197.6 | 171.7 | 172.9 |
| 72.5° | 217.3 | 176.6 | 174.1 | 154.4 | 143.3 |
| 75° | 177.9 | 149.5 | 148.2 | 134.6 | 116.1 |
| 77.5° | 139.6 | 118.5 | 121.0 | 108.7 | 85.2 |
| 80° | 100.0 | 86.5 | 88.9 | 77.8 | 64.2 |
| 82.5° | 66.6 | 56.8 | 59.3 | 49.4 | 43.2 |
| 85° | 37.0 | 32.2 | 33.4 | 25.9 | 19.7 |
| 87.5° | 17.3 | 14.9 | 14.9 | 9.9 | 6.2 |
| 90° | 25.7 | 16.4 | 15.1 | 10.5 | 5.8 |
| 92.5° | 158.2 | 112.5 | 102.6 | 62.9 | 23.3 |
| 95° | 389.2 | 219.2 | 201.1 | 128.5 | 56.0 |
| 97.5° | 524.3 | 240.8 | 224.8 | 160.8 | 96.7 |
| 100° | 573.4 | 258.8 | 244.3 | 186.3 | 128.2 |
| 102.5° | 596.1 | 277.0 | 263.4 | 209.3 | 155.1 |
| 105° | 612.7 | 303.8 | 292.3 | 246.5 | 200.6 |
| 107.5° | 615.9 | 343.4 | 332.8 | 289.9 | 247.2 |
| 110° | 611.2 | 365.6 | 355.9 | 317.2 | 278.6 |



TEST NUMBER: P936035

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 611.4 | 392.4 | 383.2 | 346.4 | 309.6 |
| 115° | 617.0 | 432.6 | 424.1 | 390.1 | 356.2 |
| 117.5° | 628.5 | 471.7 | 464.0 | 433.1 | 402.3 |
| 120° | 637.7 | 494.4 | 487.1 | 458.1 | 429.0 |
| 122.5° | 651.2 | 521.2 | 513.9 | 484.6 | 455.3 |
| 125° | 669.2 | 555.6 | 549.0 | 522.2 | 495.6 |
| 127.5° | 687.3 | 588.8 | 582.0 | 555.1 | 528.2 |
| 130° | 700.6 | 610.9 | 603.6 | 574.7 | 545.7 |
| 132.5° | 711.2 | 629.1 | 621.8 | 592.8 | 563.7 |
| 135° | 722.9 | 650.0 | 643.4 | 617.0 | 590.5 |
| 137.5° | 740.4 | 676.8 | 670.3 | 644.1 | 617.9 |
| 140° | 751.1 | 695.0 | 689.0 | 664.9 | 640.7 |
| 142.5° | 760.0 | 708.3 | 702.7 | 680.5 | 658.2 |
| 145° | 771.7 | 728.7 | 723.8 | 704.5 | 685.0 |
| 147.5° | 788.8 | 754.4 | 749.6 | 730.8 | 711.8 |
| 150° | 797.7 | 767.8 | 763.5 | 746.5 | 729.4 |
| 152.5° | 803.6 | 776.6 | 773.3 | 760.4 | 747.4 |
| 155° | 816.4 | 795.8 | 793.4 | 783.8 | 774.2 |
| 157.5° | 829.2 | 815.0 | 812.6 | 803.4 | 794.0 |
| 160° | 835.1 | 823.8 | 822.0 | 814.7 | 807.4 |
| 162.5° | 841.2 | 833.1 | 831.7 | 826.3 | 820.9 |
| 165° | 850.2 | 846.5 | 845.3 | 840.3 | 835.4 |
| 167.5° | 857.1 | 854.0 | 853.5 | 851.1 | 848.8 |
| 170° | 863.0 | 862.8 | 862.3 | 859.9 | 857.6 |
| 172.5° | 863.4 | 863.4 | 863.3 | 862.7 | 862.3 |
| 175° | 866.8 | 868.6 | 868.6 | 868.6 | 868.6 |
| 177.5° | 867.3 | 868.6 | 868.6 | 868.6 | 868.6 |
| 180° | 868.6 | 868.6 | 868.6 | 868.6 | 868.6 |



TEST NUMBER: P936035
 CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-4-5000K

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 12.19 | 12.95 | 13.24 | 14.01 | 15.45 | 14.98 | 15.74 | 16.04 | 16.80 | 18.24 |
| | 3H | 12.66 | 13.34 | 13.72 | 14.41 | 15.86 | 16.31 | 16.99 | 17.38 | 18.06 | 19.52 |
| | 4H | 12.84 | 13.49 | 13.92 | 14.56 | 16.02 | 16.75 | 17.39 | 17.82 | 18.46 | 19.92 |
| | 6H | 12.96 | 13.55 | 14.04 | 14.63 | 16.10 | 17.02 | 17.61 | 18.10 | 18.69 | 20.16 |
| | 8H | 12.96 | 13.52 | 14.05 | 14.61 | 16.08 | 17.08 | 17.65 | 18.18 | 18.74 | 20.21 |
| | 12H | 12.92 | 13.46 | 14.02 | 14.54 | 16.04 | 17.12 | 17.65 | 18.21 | 18.74 | 20.23 |
| 4H | 2H | 13.20 | 13.84 | 14.28 | 14.92 | 16.38 | 15.38 | 16.03 | 16.47 | 17.10 | 18.56 |
| | 3H | 14.22 | 14.75 | 15.31 | 15.85 | 17.33 | 16.87 | 17.41 | 17.96 | 18.51 | 19.98 |
| | 4H | 14.49 | 14.98 | 15.59 | 16.07 | 17.57 | 17.39 | 17.88 | 18.48 | 18.97 | 20.47 |
| | 6H | 14.61 | 15.03 | 15.71 | 16.14 | 17.63 | 17.74 | 18.16 | 18.84 | 19.27 | 20.76 |
| | 8H | 14.61 | 15.01 | 15.72 | 16.11 | 17.62 | 17.84 | 18.23 | 18.94 | 19.34 | 20.84 |
| | 12H | 14.57 | 14.93 | 15.70 | 16.05 | 17.56 | 17.88 | 18.24 | 19.01 | 19.36 | 20.87 |
| 8H | 4H | 14.93 | 15.32 | 16.03 | 16.43 | 17.93 | 17.50 | 17.90 | 18.61 | 19.00 | 20.51 |
| | 6H | 15.19 | 15.51 | 16.31 | 16.66 | 18.16 | 17.93 | 18.25 | 19.05 | 19.40 | 20.90 |
| | 8H | 15.23 | 15.51 | 16.36 | 16.64 | 18.16 | 18.07 | 18.36 | 19.21 | 19.49 | 21.01 |
| | 12H | 15.21 | 15.46 | 16.34 | 16.58 | 18.14 | 18.16 | 18.41 | 19.30 | 19.54 | 21.10 |
| 12H | 4H | 14.93 | 15.29 | 16.05 | 16.40 | 17.91 | 17.46 | 17.82 | 18.59 | 18.94 | 20.45 |
| | 6H | 15.24 | 15.53 | 16.38 | 16.66 | 18.18 | 17.92 | 18.21 | 19.06 | 19.34 | 20.86 |
| | 8H | 15.31 | 15.56 | 16.44 | 16.68 | 18.24 | 18.08 | 18.33 | 19.21 | 19.45 | 21.01 |