

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: P934850

Luminaire Tested: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934850
REPORT IS A COMBINATION OF REPORTS P933714 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

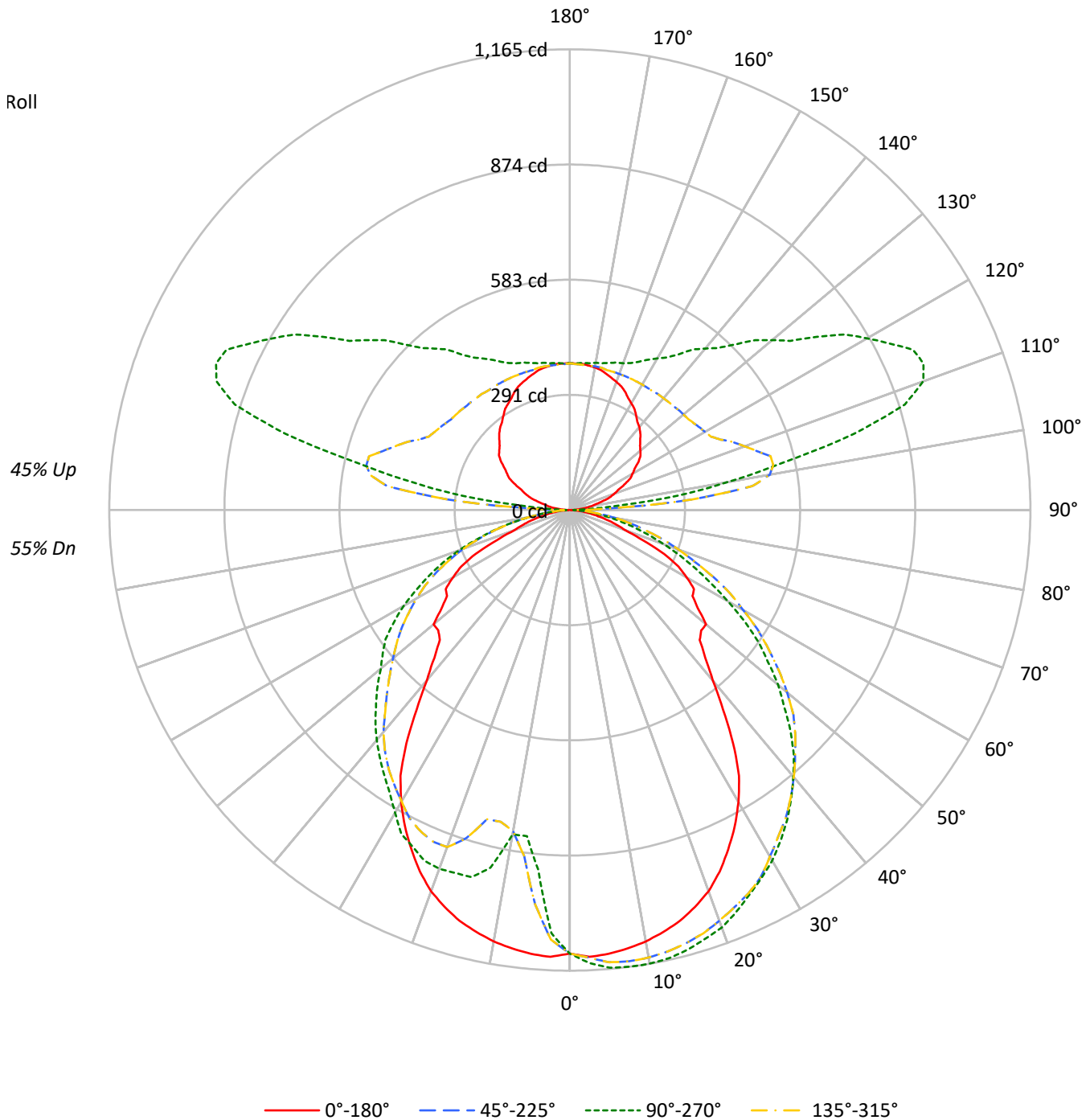
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5313.5 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.2
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: P934850
CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 73 | 73 | 73 | 60 | 60 | 60 | 60 | 60 | 60 | 55 |
| 1 | 99 | 95 | 91 | 87 | 92 | 88 | 85 | 82 | 76 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 54 | 52 | 51 | 46 |
| 2 | 90 | 83 | 76 | 71 | 83 | 77 | 72 | 67 | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 47 | 45 | 43 | 39 |
| 3 | 82 | 73 | 65 | 59 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 42 | 39 | 37 | 33 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 37 | 34 | 32 | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 54 | 46 | 41 | 46 | 41 | 36 | 40 | 35 | 32 | 34 | 30 | 28 | 34 | 30 | 28 | 24 |
| 6 | 64 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 30 | 27 | 24 | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 28 | 24 | 21 | 19 |
| 8 | 55 | 42 | 34 | 29 | 51 | 39 | 32 | 27 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 25 | 22 | 19 | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 24 | 20 | 17 | 24 | 20 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 22 | 18 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 10406 | 10406 | 10406 | 10406 |
| 5° | 10473 | 10505 | 10473 | 8260 |
| 10° | 10391 | 10347 | 10391 | 7398 |
| 15° | 10266 | 10123 | 10266 | 8453 |
| 20° | 10039 | 9858 | 10039 | 8470 |
| 25° | 9589 | 9470 | 9589 | 8291 |
| 30° | 9010 | 9148 | 9010 | 7897 |
| 35° | 8020 | 8742 | 8020 | 7464 |
| 40° | 6671 | 8263 | 6671 | 7136 |
| 45° | 5949 | 7702 | 5949 | 6760 |
| 50° | 6305 | 7034 | 6305 | 6383 |
| 55° | 5917 | 6314 | 5917 | 6165 |
| 60° | 6076 | 5362 | 6076 | 5646 |
| 65° | 5483 | 4433 | 5483 | 4956 |
| 70° | 3772 | 3533 | 3772 | 4154 |
| 75° | 3269 | 2610 | 3269 | 3128 |
| 80° | 2583 | 1727 | 2583 | 1880 |
| 85° | 1399 | 914 | 1399 | 778 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9135 cd/sqm



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.2 | 1.9 |
| 10°-20° | 287.4 | 5.4 |
| 20°-30° | 444.3 | 8.4 |
| 30°-40° | 530.4 | 10.0 |
| 40°-50° | 533.5 | 10.0 |
| 50°-60° | 464.2 | 8.7 |
| 60°-70° | 329.1 | 6.2 |
| 70°-80° | 174.1 | 3.3 |
| 80°-90° | 44.8 | 0.8 |
| 90°-100° | 180.8 | 3.4 |
| 100°-110° | 475.3 | 8.9 |
| 110°-120° | 492.9 | 9.3 |
| 120°-130° | 395.3 | 7.4 |
| 130°-140° | 310.2 | 5.8 |
| 140°-150° | 238.1 | 4.5 |
| 150°-160° | 171.5 | 3.2 |
| 160°-170° | 104.9 | 2.0 |
| 170°-180° | 35.4 | 0.7 |
| 0°-30° | 832.9 | 15.7 |
| 0°-40° | 1363.3 | 25.7 |
| 0°-60° | 2361.0 | 44.4 |
| 0°-90° | 2909.1 | 54.7 |
| 90°-120° | 1149.0 | 21.6 |
| 90°-150° | 2092.6 | 39.4 |
| 90°-180° | 2404.0 | 45.2 |
| 0°-180° | 5313.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1121 | 1121 | 1121 | 1121 | 1121 | |
| 5° | 1127 | 1162 | 1127 | 914 | 1127 | 107 |
| 15° | 1076 | 1151 | 1076 | 961 | 1076 | 303 |
| 25° | 948 | 1074 | 948 | 940 | 948 | 435 |
| 35° | 720 | 958 | 720 | 818 | 720 | 446 |
| 45° | 465 | 789 | 465 | 693 | 465 | 372 |
| 55° | 379 | 582 | 379 | 569 | 379 | 348 |
| 65° | 263 | 351 | 263 | 393 | 263 | 251 |
| 75° | 100 | 166 | 100 | 200 | 100 | 105 |
| 85° | 17 | 42 | 17 | 36 | 17 | 23 |
| 90° | 2 | 10 | 2 | 10 | 2 | 3 |
| 95° | 24 | 109 | 24 | 109 | 24 | 27 |
| 105° | 86 | 744 | 86 | 744 | 86 | 91 |
| 115° | 152 | 958 | 152 | 958 | 152 | 150 |
| 125° | 212 | 763 | 212 | 763 | 212 | 188 |
| 135° | 252 | 592 | 252 | 592 | 252 | 195 |
| 145° | 292 | 480 | 292 | 480 | 292 | 183 |
| 155° | 331 | 414 | 331 | 414 | 331 | 152 |
| 165° | 357 | 385 | 357 | 385 | 357 | 101 |
| 175° | 371 | 373 | 371 | 373 | 371 | 35 |
| 180° | 371 | 371 | 371 | 371 | 371 | |



TEST NUMBER: P934850
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 |
| 2.5° | 1130.9 | 1130.9 | 1137.4 | 1139.5 | 1139.5 | 1136.2 | 1133.1 | 1136.2 | 1145.8 | 1149.0 | 1148.0 |
| 5° | 1126.8 | 1135.2 | 1146.9 | 1149.0 | 1151.1 | 1150.1 | 1148.0 | 1150.1 | 1160.7 | 1162.8 | 1163.9 |
| 7.5° | 1118.3 | 1134.2 | 1149.0 | 1152.2 | 1155.4 | 1152.2 | 1151.1 | 1153.3 | 1163.9 | 1166.0 | 1166.0 |
| 10° | 1107.7 | 1129.9 | 1146.9 | 1149.0 | 1152.2 | 1149.0 | 1149.0 | 1153.3 | 1163.9 | 1166.0 | 1167.1 |
| 12.5° | 1092.8 | 1123.6 | 1139.5 | 1141.6 | 1145.8 | 1144.8 | 1143.7 | 1148.0 | 1158.6 | 1160.7 | 1160.7 |
| 15° | 1075.8 | 1111.9 | 1126.8 | 1128.9 | 1136.2 | 1134.2 | 1134.2 | 1138.4 | 1150.1 | 1153.3 | 1152.2 |
| 17.5° | 1052.5 | 1097.1 | 1114.0 | 1117.2 | 1122.5 | 1121.4 | 1122.5 | 1126.8 | 1137.4 | 1139.5 | 1140.5 |
| 20° | 1025.9 | 1076.9 | 1097.1 | 1100.2 | 1105.5 | 1105.5 | 1105.5 | 1110.8 | 1121.4 | 1125.6 | 1125.6 |
| 22.5° | 989.9 | 1055.6 | 1076.9 | 1079.0 | 1085.3 | 1085.3 | 1087.5 | 1094.9 | 1104.4 | 1105.5 | 1105.5 |
| 25° | 947.5 | 1032.3 | 1050.3 | 1056.7 | 1063.1 | 1066.2 | 1069.4 | 1073.7 | 1076.9 | 1075.8 | 1076.9 |
| 27.5° | 902.9 | 1002.6 | 1025.9 | 1030.2 | 1038.7 | 1041.9 | 1046.1 | 1047.2 | 1048.2 | 1051.4 | 1049.3 |
| 30° | 853.0 | 961.2 | 996.2 | 1000.5 | 1014.3 | 1016.4 | 1012.2 | 1014.3 | 1019.6 | 1021.7 | 1023.8 |
| 32.5° | 796.7 | 899.7 | 965.4 | 975.0 | 987.8 | 981.3 | 980.3 | 983.5 | 992.0 | 992.0 | 994.1 |
| 35° | 720.4 | 852.0 | 936.9 | 945.3 | 954.8 | 947.5 | 951.6 | 952.8 | 958.1 | 961.2 | 960.1 |
| 37.5° | 636.5 | 810.5 | 907.1 | 913.5 | 920.9 | 911.3 | 917.7 | 920.9 | 925.1 | 923.0 | 923.0 |
| 40° | 562.3 | 745.8 | 872.1 | 876.3 | 882.7 | 875.3 | 881.6 | 883.8 | 885.9 | 883.8 | 882.7 |
| 42.5° | 507.2 | 674.8 | 835.0 | 840.3 | 836.0 | 841.3 | 843.5 | 847.7 | 844.5 | 840.3 | 840.3 |
| 45° | 464.7 | 655.6 | 794.6 | 801.0 | 794.6 | 803.2 | 806.3 | 806.3 | 796.7 | 794.6 | 793.6 |
| 47.5° | 450.9 | 617.5 | 754.3 | 754.3 | 751.1 | 761.7 | 767.1 | 759.6 | 750.1 | 747.0 | 747.0 |
| 50° | 449.8 | 575.0 | 699.2 | 694.9 | 709.8 | 722.5 | 717.2 | 709.8 | 702.4 | 690.7 | 690.7 |
| 52.5° | 408.5 | 523.1 | 628.1 | 644.0 | 667.4 | 674.8 | 666.2 | 658.9 | 646.1 | 640.8 | 636.5 |
| 55° | 378.8 | 469.0 | 563.4 | 595.2 | 619.6 | 629.2 | 613.3 | 605.8 | 586.7 | 583.5 | 581.4 |
| 57.5° | 372.4 | 390.4 | 504.0 | 544.3 | 574.0 | 572.9 | 563.4 | 549.6 | 533.7 | 530.5 | 529.4 |
| 60° | 341.6 | 282.2 | 440.3 | 488.1 | 518.8 | 515.6 | 507.2 | 494.4 | 479.6 | 477.5 | 475.3 |
| 62.5° | 309.8 | 204.8 | 368.2 | 422.3 | 465.7 | 464.7 | 457.3 | 438.2 | 427.6 | 422.3 | 418.0 |
| 65° | 263.1 | 171.8 | 262.0 | 351.2 | 413.8 | 415.9 | 400.0 | 386.2 | 374.5 | 368.2 | 367.1 |
| 67.5° | 200.5 | 140.0 | 177.1 | 292.9 | 363.9 | 361.8 | 341.6 | 335.3 | 320.4 | 317.2 | 310.8 |
| 70° | 148.6 | 93.4 | 123.1 | 237.7 | 315.1 | 309.8 | 293.9 | 286.4 | 272.7 | 265.2 | 261.0 |
| 72.5° | 123.1 | 75.3 | 90.2 | 184.6 | 265.2 | 258.9 | 245.1 | 236.6 | 224.9 | 218.6 | 214.3 |
| 75° | 99.7 | 79.6 | 69.0 | 136.8 | 215.4 | 211.1 | 198.4 | 189.9 | 180.4 | 171.8 | 173.0 |
| 77.5° | 73.2 | 74.3 | 55.2 | 100.8 | 170.8 | 164.5 | 157.0 | 146.4 | 142.1 | 133.7 | 133.7 |
| 80° | 55.2 | 58.4 | 41.4 | 69.0 | 123.1 | 123.1 | 116.7 | 109.3 | 101.8 | 97.6 | 97.6 |
| 82.5° | 37.1 | 37.1 | 30.8 | 43.5 | 83.8 | 80.6 | 76.4 | 74.3 | 70.0 | 67.9 | 67.9 |
| 85° | 16.9 | 21.2 | 19.1 | 26.5 | 45.6 | 47.8 | 47.8 | 45.6 | 44.6 | 42.4 | 43.5 |
| 87.5° | 5.3 | 9.6 | 11.6 | 14.9 | 23.4 | 24.4 | 25.5 | 25.5 | 25.5 | 26.5 | 26.5 |
| 90° | 2.5 | 4.5 | 6.5 | 7.0 | 11.0 | 16.3 | 19.0 | 16.9 | 12.6 | 9.5 | 9.5 |
| 92.5° | 10.0 | 26.9 | 43.8 | 48.0 | 67.5 | 93.5 | 106.6 | 93.4 | 67.1 | 47.3 | 45.4 |
| 95° | 23.9 | 54.9 | 85.9 | 93.6 | 166.2 | 263.0 | 311.4 | 277.8 | 210.8 | 160.5 | 154.8 |
| 97.5° | 41.4 | 68.7 | 96.0 | 102.8 | 223.9 | 385.3 | 466.0 | 444.8 | 402.5 | 370.7 | 359.8 |
| 100° | 54.8 | 79.5 | 104.3 | 110.5 | 244.8 | 424.0 | 513.5 | 515.0 | 518.2 | 520.5 | 507.6 |
| 102.5° | 66.2 | 89.4 | 112.4 | 118.2 | 254.5 | 436.2 | 527.0 | 554.0 | 608.0 | 648.4 | 637.3 |
| 105° | 85.6 | 105.2 | 124.8 | 129.7 | 261.6 | 437.6 | 525.5 | 586.0 | 707.0 | 797.8 | 791.8 |
| 107.5° | 105.5 | 123.8 | 142.1 | 146.6 | 263.0 | 418.0 | 495.6 | 580.0 | 748.8 | 875.4 | 876.9 |
| 110° | 119.0 | 135.5 | 152.0 | 156.1 | 261.0 | 400.8 | 470.7 | 565.1 | 753.8 | 895.3 | 901.5 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.2 | 147.9 | 163.6 | 167.5 | 261.1 | 385.8 | 448.1 | 544.7 | 737.8 | 882.7 | 892.2 |
| 115° | 152.1 | 166.5 | 181.1 | 184.7 | 263.5 | 368.4 | 420.9 | 514.0 | 700.1 | 839.6 | 852.8 |
| 117.5° | 171.8 | 184.9 | 198.1 | 201.4 | 268.4 | 357.6 | 402.2 | 486.2 | 654.1 | 780.1 | 794.7 |
| 120° | 183.2 | 195.6 | 208.0 | 211.1 | 272.3 | 354.0 | 394.8 | 471.5 | 625.0 | 740.0 | 754.3 |
| 122.5° | 194.4 | 206.9 | 219.4 | 222.5 | 278.0 | 352.0 | 389.1 | 458.1 | 596.3 | 700.0 | 714.0 |
| 125° | 211.6 | 223.0 | 234.4 | 237.2 | 285.8 | 350.5 | 382.9 | 441.6 | 559.0 | 647.0 | 659.9 |
| 127.5° | 225.6 | 237.0 | 248.5 | 251.4 | 293.5 | 349.6 | 377.7 | 428.1 | 528.9 | 604.4 | 615.3 |
| 130° | 233.0 | 245.4 | 257.8 | 260.9 | 299.1 | 350.1 | 375.6 | 420.5 | 510.2 | 577.5 | 587.6 |
| 132.5° | 240.7 | 253.1 | 265.5 | 268.6 | 303.7 | 350.5 | 373.9 | 414.0 | 494.4 | 554.6 | 563.6 |
| 135° | 252.1 | 263.4 | 274.7 | 277.5 | 308.7 | 350.2 | 370.9 | 404.6 | 471.8 | 522.3 | 530.1 |
| 137.5° | 263.9 | 275.0 | 286.2 | 289.0 | 316.1 | 352.4 | 370.4 | 398.9 | 455.7 | 498.3 | 504.7 |
| 140° | 273.6 | 283.9 | 294.1 | 296.7 | 320.7 | 352.7 | 368.7 | 393.2 | 442.3 | 479.2 | 485.1 |
| 142.5° | 281.0 | 290.5 | 300.0 | 302.4 | 324.5 | 354.0 | 368.7 | 390.3 | 433.4 | 465.7 | 470.9 |
| 145° | 292.5 | 300.8 | 309.1 | 311.2 | 329.5 | 354.0 | 366.2 | 383.8 | 419.1 | 445.6 | 449.4 |
| 147.5° | 303.9 | 312.0 | 320.1 | 322.1 | 336.8 | 356.4 | 366.2 | 380.1 | 407.8 | 428.6 | 431.9 |
| 150° | 311.4 | 318.7 | 326.0 | 327.9 | 340.6 | 357.7 | 366.2 | 377.9 | 401.3 | 418.9 | 421.5 |
| 152.5° | 319.1 | 324.7 | 330.2 | 331.6 | 343.1 | 358.5 | 366.2 | 376.2 | 396.2 | 411.2 | 413.1 |
| 155° | 330.6 | 334.7 | 338.7 | 339.7 | 348.6 | 360.3 | 366.2 | 374.1 | 390.0 | 402.0 | 403.3 |
| 157.5° | 339.0 | 343.0 | 347.1 | 348.0 | 354.0 | 362.2 | 366.2 | 372.4 | 384.7 | 394.0 | 394.9 |
| 160° | 344.7 | 347.9 | 350.9 | 351.7 | 356.5 | 363.0 | 366.2 | 371.5 | 382.1 | 390.1 | 390.6 |
| 162.5° | 350.5 | 352.8 | 355.2 | 355.7 | 359.2 | 363.8 | 366.2 | 370.7 | 379.6 | 386.3 | 386.8 |
| 165° | 356.7 | 358.8 | 360.9 | 361.4 | 363.0 | 365.1 | 366.2 | 369.4 | 375.8 | 380.6 | 381.2 |
| 167.5° | 362.4 | 363.4 | 364.4 | 364.6 | 366.0 | 367.8 | 368.7 | 370.7 | 375.0 | 378.1 | 378.4 |
| 170° | 366.2 | 367.1 | 368.2 | 368.4 | 368.5 | 368.6 | 368.7 | 370.7 | 375.0 | 378.1 | 378.1 |
| 172.5° | 368.2 | 368.4 | 368.6 | 368.7 | 368.7 | 368.7 | 368.7 | 370.3 | 373.6 | 376.1 | 376.0 |
| 175° | 370.9 | 370.9 | 370.9 | 370.9 | 370.2 | 369.1 | 368.7 | 369.7 | 371.8 | 373.4 | 373.4 |
| 177.5° | 370.9 | 370.9 | 370.9 | 370.9 | 370.3 | 369.5 | 369.1 | 369.9 | 371.6 | 372.9 | 372.7 |
| 180° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 |



TEST NUMBER: P934850
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 |
| 2.5° | 1150.1 | 1146.9 | 1150.1 | 1148.0 | 1149.0 | 1145.8 | 1136.2 | 1133.1 | 1136.2 | 1139.5 | 1139.5 |
| 5° | 1163.9 | 1161.8 | 1163.9 | 1163.9 | 1162.8 | 1160.7 | 1150.1 | 1148.0 | 1150.1 | 1151.1 | 1149.0 |
| 7.5° | 1168.1 | 1164.9 | 1168.1 | 1166.0 | 1166.0 | 1163.9 | 1153.3 | 1151.1 | 1152.2 | 1155.4 | 1152.2 |
| 10° | 1168.1 | 1164.9 | 1168.1 | 1167.1 | 1166.0 | 1163.9 | 1153.3 | 1149.0 | 1149.0 | 1152.2 | 1149.0 |
| 12.5° | 1162.8 | 1160.7 | 1162.8 | 1160.7 | 1160.7 | 1158.6 | 1148.0 | 1143.7 | 1144.8 | 1145.8 | 1141.6 |
| 15° | 1154.3 | 1151.1 | 1154.3 | 1152.2 | 1153.3 | 1150.1 | 1138.4 | 1134.2 | 1134.2 | 1136.2 | 1128.9 |
| 17.5° | 1141.6 | 1137.4 | 1141.6 | 1140.5 | 1139.5 | 1137.4 | 1126.8 | 1122.5 | 1121.4 | 1122.5 | 1117.2 |
| 20° | 1126.8 | 1123.6 | 1126.8 | 1125.6 | 1125.6 | 1121.4 | 1110.8 | 1105.5 | 1105.5 | 1105.5 | 1100.2 |
| 22.5° | 1103.4 | 1100.2 | 1103.4 | 1105.5 | 1105.5 | 1104.4 | 1094.9 | 1087.5 | 1085.3 | 1085.3 | 1079.0 |
| 25° | 1076.9 | 1073.7 | 1076.9 | 1076.9 | 1075.8 | 1076.9 | 1073.7 | 1069.4 | 1066.2 | 1063.1 | 1056.7 |
| 27.5° | 1051.4 | 1049.3 | 1051.4 | 1049.3 | 1051.4 | 1048.2 | 1047.2 | 1046.1 | 1041.9 | 1038.7 | 1030.2 |
| 30° | 1025.9 | 1023.8 | 1025.9 | 1023.8 | 1021.7 | 1019.6 | 1014.3 | 1012.2 | 1016.4 | 1014.3 | 1000.5 |
| 32.5° | 994.1 | 992.0 | 994.1 | 994.1 | 992.0 | 992.0 | 983.5 | 980.3 | 981.3 | 987.8 | 975.0 |
| 35° | 961.2 | 958.1 | 961.2 | 960.1 | 961.2 | 958.1 | 952.8 | 951.6 | 947.5 | 954.8 | 945.3 |
| 37.5° | 923.0 | 919.8 | 923.0 | 923.0 | 923.0 | 925.1 | 920.9 | 917.7 | 911.3 | 920.9 | 913.5 |
| 40° | 883.8 | 879.5 | 883.8 | 882.7 | 883.8 | 885.9 | 883.8 | 881.6 | 875.3 | 882.7 | 876.3 |
| 42.5° | 839.2 | 838.2 | 839.2 | 840.3 | 840.3 | 844.5 | 847.7 | 843.5 | 841.3 | 836.0 | 840.3 |
| 45° | 791.4 | 789.3 | 791.4 | 793.6 | 794.6 | 796.7 | 806.3 | 806.3 | 803.2 | 794.6 | 801.0 |
| 47.5° | 740.5 | 735.2 | 740.5 | 747.0 | 747.0 | 750.1 | 759.6 | 767.1 | 761.7 | 751.1 | 754.3 |
| 50° | 686.4 | 687.5 | 686.4 | 690.7 | 690.7 | 702.4 | 709.8 | 717.2 | 722.5 | 709.8 | 694.9 |
| 52.5° | 633.4 | 632.4 | 633.4 | 636.5 | 640.8 | 646.1 | 658.9 | 666.2 | 674.8 | 667.4 | 644.0 |
| 55° | 580.3 | 582.5 | 580.3 | 581.4 | 583.5 | 586.7 | 605.8 | 613.3 | 629.2 | 619.6 | 595.2 |
| 57.5° | 527.3 | 524.1 | 527.3 | 529.4 | 530.5 | 533.7 | 549.6 | 563.4 | 572.9 | 574.0 | 544.3 |
| 60° | 465.7 | 461.5 | 465.7 | 475.3 | 477.5 | 479.6 | 494.4 | 507.2 | 515.6 | 518.8 | 488.1 |
| 62.5° | 411.6 | 404.2 | 411.6 | 418.0 | 422.3 | 427.6 | 438.2 | 457.3 | 464.7 | 465.7 | 422.3 |
| 65° | 354.4 | 351.2 | 354.4 | 367.1 | 368.2 | 374.5 | 386.2 | 400.0 | 415.9 | 413.8 | 351.2 |
| 67.5° | 302.4 | 302.4 | 302.4 | 310.8 | 317.2 | 320.4 | 335.3 | 341.6 | 361.8 | 363.9 | 292.9 |
| 70° | 254.6 | 253.6 | 254.6 | 261.0 | 265.2 | 272.7 | 286.4 | 293.9 | 309.8 | 315.1 | 237.7 |
| 72.5° | 209.0 | 208.0 | 209.0 | 214.3 | 218.6 | 224.9 | 236.6 | 245.1 | 258.9 | 265.2 | 184.6 |
| 75° | 168.7 | 166.5 | 168.7 | 173.0 | 171.8 | 180.4 | 189.9 | 198.4 | 211.1 | 215.4 | 136.8 |
| 77.5° | 129.4 | 129.4 | 129.4 | 133.7 | 133.7 | 142.1 | 146.4 | 157.0 | 164.5 | 170.8 | 100.8 |
| 80° | 96.5 | 95.5 | 96.5 | 97.6 | 97.6 | 101.8 | 109.3 | 116.7 | 123.1 | 123.1 | 69.0 |
| 82.5° | 67.9 | 65.8 | 67.9 | 67.9 | 67.9 | 70.0 | 74.3 | 76.4 | 80.6 | 83.8 | 43.5 |
| 85° | 42.4 | 42.4 | 42.4 | 43.5 | 42.4 | 44.6 | 45.6 | 47.8 | 47.8 | 45.6 | 26.5 |
| 87.5° | 27.6 | 26.5 | 27.6 | 26.5 | 26.5 | 25.5 | 25.5 | 25.5 | 24.4 | 23.4 | 14.9 |
| 90° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 12.6 | 16.9 | 19.0 | 16.3 | 11.0 | 7.0 |
| 92.5° | 37.9 | 30.4 | 37.9 | 45.4 | 47.3 | 67.1 | 93.4 | 106.6 | 93.5 | 67.5 | 48.0 |
| 95° | 132.1 | 109.3 | 132.1 | 154.8 | 160.5 | 210.8 | 277.8 | 311.4 | 263.0 | 166.2 | 93.6 |
| 97.5° | 316.5 | 273.1 | 316.5 | 359.8 | 370.7 | 402.5 | 444.8 | 466.0 | 385.3 | 223.9 | 102.8 |
| 100° | 455.9 | 404.2 | 455.9 | 507.6 | 520.5 | 518.2 | 515.0 | 513.5 | 424.0 | 244.8 | 110.5 |
| 102.5° | 593.1 | 548.9 | 593.1 | 637.3 | 648.4 | 608.0 | 554.0 | 527.0 | 436.2 | 254.5 | 118.2 |
| 105° | 768.1 | 744.3 | 768.1 | 791.8 | 797.8 | 707.0 | 586.0 | 525.5 | 437.6 | 261.6 | 129.7 |
| 107.5° | 882.7 | 888.4 | 882.7 | 876.9 | 875.4 | 748.8 | 580.0 | 495.6 | 418.0 | 263.0 | 146.6 |
| 110° | 926.3 | 951.2 | 926.3 | 901.5 | 895.3 | 753.8 | 565.1 | 470.7 | 400.8 | 261.0 | 156.1 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 930.3 | 968.3 | 930.3 | 892.2 | 882.7 | 737.8 | 544.7 | 448.1 | 385.8 | 261.1 | 167.5 |
| 115° | 905.6 | 958.4 | 905.6 | 852.8 | 839.6 | 700.1 | 514.0 | 420.9 | 368.4 | 263.5 | 184.7 |
| 117.5° | 853.3 | 911.8 | 853.3 | 794.7 | 780.1 | 654.1 | 486.2 | 402.2 | 357.6 | 268.4 | 201.4 |
| 120° | 811.1 | 868.0 | 811.1 | 754.3 | 740.0 | 625.0 | 471.5 | 394.8 | 354.0 | 272.3 | 211.1 |
| 122.5° | 770.1 | 826.2 | 770.1 | 714.0 | 700.0 | 596.3 | 458.1 | 389.1 | 352.0 | 278.0 | 222.5 |
| 125° | 711.5 | 763.2 | 711.5 | 659.9 | 647.0 | 559.0 | 441.6 | 382.9 | 350.5 | 285.8 | 237.2 |
| 127.5° | 658.9 | 702.5 | 658.9 | 615.3 | 604.4 | 528.9 | 428.1 | 377.7 | 349.6 | 293.5 | 251.4 |
| 130° | 627.9 | 668.1 | 627.9 | 587.6 | 577.5 | 510.2 | 420.5 | 375.6 | 350.1 | 299.1 | 260.9 |
| 132.5° | 599.7 | 635.7 | 599.7 | 563.6 | 554.6 | 494.4 | 414.0 | 373.9 | 350.5 | 303.7 | 268.6 |
| 135° | 561.1 | 592.2 | 561.1 | 530.1 | 522.3 | 471.8 | 404.6 | 370.9 | 350.2 | 308.7 | 277.5 |
| 137.5° | 530.1 | 555.6 | 530.1 | 504.7 | 498.3 | 455.7 | 398.9 | 370.4 | 352.4 | 316.1 | 289.0 |
| 140° | 508.9 | 532.7 | 508.9 | 485.1 | 479.2 | 442.3 | 393.2 | 368.7 | 352.7 | 320.7 | 296.7 |
| 142.5° | 491.3 | 511.8 | 491.3 | 470.9 | 465.7 | 433.4 | 390.3 | 368.7 | 354.0 | 324.5 | 302.4 |
| 145° | 464.9 | 480.4 | 464.9 | 449.4 | 445.6 | 419.1 | 383.8 | 366.2 | 354.0 | 329.5 | 311.2 |
| 147.5° | 444.7 | 457.5 | 444.7 | 431.9 | 428.6 | 407.8 | 380.1 | 366.2 | 356.4 | 336.8 | 322.1 |
| 150° | 431.9 | 442.4 | 431.9 | 421.5 | 418.9 | 401.3 | 377.9 | 366.2 | 357.7 | 340.6 | 327.9 |
| 152.5° | 421.0 | 428.9 | 421.0 | 413.1 | 411.2 | 396.2 | 376.2 | 366.2 | 358.5 | 343.1 | 331.6 |
| 155° | 408.5 | 413.7 | 408.5 | 403.3 | 402.0 | 390.0 | 374.1 | 366.2 | 360.3 | 348.6 | 339.7 |
| 157.5° | 398.6 | 402.2 | 398.6 | 394.9 | 394.0 | 384.7 | 372.4 | 366.2 | 362.2 | 354.0 | 348.0 |
| 160° | 392.7 | 394.8 | 392.7 | 390.6 | 390.1 | 382.1 | 371.5 | 366.2 | 363.0 | 356.5 | 351.7 |
| 162.5° | 388.8 | 390.8 | 388.8 | 386.8 | 386.3 | 379.6 | 370.7 | 366.2 | 363.8 | 359.2 | 355.7 |
| 165° | 383.3 | 385.4 | 383.3 | 381.2 | 380.6 | 375.8 | 369.4 | 366.2 | 365.1 | 363.0 | 361.4 |
| 167.5° | 379.3 | 380.1 | 379.3 | 378.4 | 378.1 | 375.0 | 370.7 | 368.7 | 367.8 | 366.0 | 364.6 |
| 170° | 378.1 | 378.1 | 378.1 | 378.1 | 378.1 | 375.0 | 370.7 | 368.7 | 368.6 | 368.5 | 368.4 |
| 172.5° | 375.2 | 374.4 | 375.2 | 376.0 | 376.1 | 373.6 | 370.3 | 368.7 | 368.7 | 368.7 | 368.7 |
| 175° | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 371.8 | 369.7 | 368.7 | 369.1 | 370.2 | 370.9 |
| 177.5° | 371.8 | 370.9 | 371.8 | 372.7 | 372.9 | 371.6 | 369.9 | 369.1 | 369.5 | 370.3 | 370.9 |
| 180° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 |



TEST NUMBER: P934850
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 |
| 2.5° | 1137.4 | 1130.9 | 1130.9 | 1120.3 | 1116.1 | 1113.0 | 1107.7 | 1091.8 | 1087.5 | 1083.2 | 1089.6 |
| 5° | 1146.9 | 1135.2 | 1126.8 | 1107.7 | 1091.8 | 1085.3 | 1065.2 | 1027.0 | 1001.5 | 982.5 | 971.9 |
| 7.5° | 1149.0 | 1134.2 | 1118.3 | 1088.5 | 1050.3 | 1033.4 | 971.9 | 901.8 | 882.7 | 865.7 | 855.1 |
| 10° | 1146.9 | 1129.9 | 1107.7 | 1063.1 | 972.9 | 943.2 | 881.6 | 836.0 | 824.4 | 821.1 | 824.4 |
| 12.5° | 1139.5 | 1123.6 | 1092.8 | 1018.5 | 892.3 | 872.1 | 836.0 | 809.5 | 807.4 | 812.7 | 841.3 |
| 15° | 1126.8 | 1111.9 | 1075.8 | 959.1 | 847.7 | 832.9 | 807.4 | 797.9 | 809.5 | 846.6 | 932.6 |
| 17.5° | 1114.0 | 1097.1 | 1052.5 | 900.7 | 813.8 | 803.2 | 785.1 | 804.2 | 870.0 | 919.8 | 948.5 |
| 20° | 1097.1 | 1076.9 | 1025.9 | 858.3 | 789.3 | 779.8 | 771.3 | 857.3 | 907.1 | 925.1 | 941.0 |
| 22.5° | 1076.9 | 1055.6 | 989.9 | 828.6 | 763.9 | 756.4 | 761.7 | 887.0 | 907.1 | 919.8 | 933.6 |
| 25° | 1050.3 | 1032.3 | 947.5 | 805.2 | 743.7 | 735.2 | 755.4 | 883.8 | 895.4 | 898.6 | 926.2 |
| 27.5° | 1025.9 | 1002.6 | 902.9 | 784.0 | 719.3 | 716.1 | 760.7 | 870.0 | 878.5 | 881.6 | 911.3 |
| 30° | 996.2 | 961.2 | 853.0 | 761.7 | 693.9 | 692.8 | 761.7 | 853.0 | 850.9 | 859.4 | 889.1 |
| 32.5° | 965.4 | 899.7 | 796.7 | 734.2 | 669.5 | 668.4 | 754.3 | 827.6 | 825.4 | 837.1 | 859.4 |
| 35° | 936.9 | 852.0 | 720.4 | 702.4 | 638.7 | 639.8 | 736.3 | 797.9 | 798.9 | 809.5 | 823.3 |
| 37.5° | 907.1 | 810.5 | 636.5 | 667.4 | 609.0 | 609.0 | 711.9 | 770.2 | 768.1 | 771.3 | 790.4 |
| 40° | 872.1 | 745.8 | 562.3 | 621.7 | 581.4 | 578.2 | 682.2 | 740.5 | 733.1 | 732.1 | 758.6 |
| 42.5° | 835.0 | 674.8 | 507.2 | 561.2 | 549.6 | 545.3 | 646.1 | 704.5 | 690.7 | 693.9 | 727.8 |
| 45° | 794.6 | 655.6 | 464.7 | 474.3 | 516.7 | 513.5 | 606.8 | 663.1 | 653.6 | 662.1 | 697.1 |
| 47.5° | 754.3 | 617.5 | 450.9 | 393.6 | 481.6 | 480.6 | 563.4 | 622.8 | 617.5 | 625.9 | 663.1 |
| 50° | 699.2 | 575.0 | 449.8 | 337.4 | 442.5 | 446.6 | 511.4 | 583.5 | 583.5 | 590.9 | 630.2 |
| 52.5° | 628.1 | 523.1 | 408.5 | 305.5 | 396.8 | 409.5 | 465.7 | 549.6 | 551.7 | 559.1 | 594.1 |
| 55° | 563.4 | 469.0 | 378.8 | 281.1 | 342.7 | 370.3 | 421.2 | 514.6 | 518.8 | 526.2 | 558.1 |
| 57.5° | 504.0 | 390.4 | 372.4 | 252.5 | 292.9 | 319.4 | 381.9 | 480.6 | 482.8 | 489.1 | 519.9 |
| 60° | 440.3 | 282.2 | 341.6 | 221.7 | 249.3 | 269.5 | 345.9 | 440.3 | 447.8 | 451.9 | 478.5 |
| 62.5° | 368.2 | 204.8 | 309.8 | 200.5 | 228.1 | 232.4 | 316.1 | 402.1 | 411.6 | 414.8 | 430.7 |
| 65° | 262.0 | 171.8 | 263.1 | 182.5 | 205.8 | 206.9 | 284.3 | 362.9 | 371.3 | 376.6 | 388.3 |
| 67.5° | 177.1 | 140.0 | 200.5 | 165.5 | 188.9 | 189.9 | 253.6 | 317.2 | 328.9 | 333.2 | 340.6 |
| 70° | 123.1 | 93.4 | 148.6 | 147.5 | 169.8 | 171.8 | 220.7 | 275.8 | 286.4 | 289.6 | 293.9 |
| 72.5° | 90.2 | 75.3 | 123.1 | 132.7 | 149.6 | 151.7 | 186.7 | 229.2 | 239.8 | 243.0 | 245.1 |
| 75° | 69.0 | 79.6 | 99.7 | 115.6 | 127.3 | 128.4 | 152.8 | 186.7 | 194.2 | 196.3 | 197.3 |
| 77.5° | 55.2 | 74.3 | 73.2 | 93.4 | 104.0 | 101.8 | 119.9 | 144.3 | 150.6 | 150.6 | 150.6 |
| 80° | 41.4 | 58.4 | 55.2 | 66.8 | 76.4 | 74.3 | 85.9 | 102.9 | 105.0 | 107.1 | 106.1 |
| 82.5° | 30.8 | 37.1 | 37.1 | 42.4 | 50.9 | 48.8 | 57.3 | 66.8 | 66.8 | 66.8 | 69.0 |
| 85° | 19.1 | 21.2 | 16.9 | 22.2 | 28.7 | 27.6 | 31.8 | 36.1 | 37.1 | 37.1 | 35.0 |
| 87.5° | 11.6 | 9.6 | 5.3 | 8.5 | 12.8 | 12.8 | 14.9 | 15.9 | 14.9 | 14.9 | 14.9 |
| 90° | 6.5 | 4.5 | 2.5 | 4.5 | 6.5 | 7.0 | 11.0 | 16.3 | 19.0 | 16.9 | 12.6 |
| 92.5° | 43.8 | 26.9 | 10.0 | 26.9 | 43.8 | 48.0 | 67.5 | 93.5 | 106.6 | 93.4 | 67.1 |
| 95° | 85.9 | 54.9 | 23.9 | 54.9 | 85.9 | 93.6 | 166.2 | 263.0 | 311.4 | 277.8 | 210.8 |
| 97.5° | 96.0 | 68.7 | 41.4 | 68.7 | 96.0 | 102.8 | 223.9 | 385.3 | 466.0 | 444.8 | 402.5 |
| 100° | 104.3 | 79.5 | 54.8 | 79.5 | 104.3 | 110.5 | 244.8 | 424.0 | 513.5 | 515.0 | 518.2 |
| 102.5° | 112.4 | 89.4 | 66.2 | 89.4 | 112.4 | 118.2 | 254.5 | 436.2 | 527.0 | 554.0 | 608.0 |
| 105° | 124.8 | 105.2 | 85.6 | 105.2 | 124.8 | 129.7 | 261.6 | 437.6 | 525.5 | 586.0 | 707.0 |
| 107.5° | 142.1 | 123.8 | 105.5 | 123.8 | 142.1 | 146.6 | 263.0 | 418.0 | 495.6 | 580.0 | 748.8 |
| 110° | 152.0 | 135.5 | 119.0 | 135.5 | 152.0 | 156.1 | 261.0 | 400.8 | 470.7 | 565.1 | 753.8 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 163.6 | 147.9 | 132.2 | 147.9 | 163.6 | 167.5 | 261.1 | 385.8 | 448.1 | 544.7 | 737.8 |
| 115° | 181.1 | 166.5 | 152.1 | 166.5 | 181.1 | 184.7 | 263.5 | 368.4 | 420.9 | 514.0 | 700.1 |
| 117.5° | 198.1 | 184.9 | 171.8 | 184.9 | 198.1 | 201.4 | 268.4 | 357.6 | 402.2 | 486.2 | 654.1 |
| 120° | 208.0 | 195.6 | 183.2 | 195.6 | 208.0 | 211.1 | 272.3 | 354.0 | 394.8 | 471.5 | 625.0 |
| 122.5° | 219.4 | 206.9 | 194.4 | 206.9 | 219.4 | 222.5 | 278.0 | 352.0 | 389.1 | 458.1 | 596.3 |
| 125° | 234.4 | 223.0 | 211.6 | 223.0 | 234.4 | 237.2 | 285.8 | 350.5 | 382.9 | 441.6 | 559.0 |
| 127.5° | 248.5 | 237.0 | 225.6 | 237.0 | 248.5 | 251.4 | 293.5 | 349.6 | 377.7 | 428.1 | 528.9 |
| 130° | 257.8 | 245.4 | 233.0 | 245.4 | 257.8 | 260.9 | 299.1 | 350.1 | 375.6 | 420.5 | 510.2 |
| 132.5° | 265.5 | 253.1 | 240.7 | 253.1 | 265.5 | 268.6 | 303.7 | 350.5 | 373.9 | 414.0 | 494.4 |
| 135° | 274.7 | 263.4 | 252.1 | 263.4 | 274.7 | 277.5 | 308.7 | 350.2 | 370.9 | 404.6 | 471.8 |
| 137.5° | 286.2 | 275.0 | 263.9 | 275.0 | 286.2 | 289.0 | 316.1 | 352.4 | 370.4 | 398.9 | 455.7 |
| 140° | 294.1 | 283.9 | 273.6 | 283.9 | 294.1 | 296.7 | 320.7 | 352.7 | 368.7 | 393.2 | 442.3 |
| 142.5° | 300.0 | 290.5 | 281.0 | 290.5 | 300.0 | 302.4 | 324.5 | 354.0 | 368.7 | 390.3 | 433.4 |
| 145° | 309.1 | 300.8 | 292.5 | 300.8 | 309.1 | 311.2 | 329.5 | 354.0 | 366.2 | 383.8 | 419.1 |
| 147.5° | 320.1 | 312.0 | 303.9 | 312.0 | 320.1 | 322.1 | 336.8 | 356.4 | 366.2 | 380.1 | 407.8 |
| 150° | 326.0 | 318.7 | 311.4 | 318.7 | 326.0 | 327.9 | 340.6 | 357.7 | 366.2 | 377.9 | 401.3 |
| 152.5° | 330.2 | 324.7 | 319.1 | 324.7 | 330.2 | 331.6 | 343.1 | 358.5 | 366.2 | 376.2 | 396.2 |
| 155° | 338.7 | 334.7 | 330.6 | 334.7 | 338.7 | 339.7 | 348.6 | 360.3 | 366.2 | 374.1 | 390.0 |
| 157.5° | 347.1 | 343.0 | 339.0 | 343.0 | 347.1 | 348.0 | 354.0 | 362.2 | 366.2 | 372.4 | 384.7 |
| 160° | 350.9 | 347.9 | 344.7 | 347.9 | 350.9 | 351.7 | 356.5 | 363.0 | 366.2 | 371.5 | 382.1 |
| 162.5° | 355.2 | 352.8 | 350.5 | 352.8 | 355.2 | 355.7 | 359.2 | 363.8 | 366.2 | 370.7 | 379.6 |
| 165° | 360.9 | 358.8 | 356.7 | 358.8 | 360.9 | 361.4 | 363.0 | 365.1 | 366.2 | 369.4 | 375.8 |
| 167.5° | 364.4 | 363.4 | 362.4 | 363.4 | 364.4 | 364.6 | 366.0 | 367.8 | 368.7 | 370.7 | 375.0 |
| 170° | 368.2 | 367.1 | 366.2 | 367.1 | 368.2 | 368.4 | 368.5 | 368.6 | 368.7 | 370.7 | 375.0 |
| 172.5° | 368.6 | 368.4 | 368.2 | 368.4 | 368.6 | 368.7 | 368.7 | 368.7 | 368.7 | 370.3 | 373.6 |
| 175° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.2 | 369.1 | 368.7 | 369.7 | 371.8 |
| 177.5° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.3 | 369.5 | 369.1 | 369.9 | 371.6 |
| 180° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 |



TEST NUMBER: P934850
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 |
| 2.5° | 1082.2 | 1079.0 | 1083.2 | 1071.5 | 1083.2 | 1079.0 | 1082.2 | 1089.6 | 1083.2 | 1087.5 | 1091.8 |
| 5° | 949.5 | 944.2 | 927.3 | 913.5 | 927.3 | 944.2 | 949.5 | 971.9 | 982.5 | 1001.5 | 1027.0 |
| 7.5° | 848.8 | 844.5 | 840.3 | 831.7 | 840.3 | 844.5 | 848.8 | 855.1 | 865.7 | 882.7 | 901.8 |
| 10° | 826.4 | 827.6 | 833.9 | 832.9 | 833.9 | 827.6 | 826.4 | 824.4 | 821.1 | 824.4 | 836.0 |
| 12.5° | 883.8 | 893.3 | 928.3 | 926.2 | 928.3 | 893.3 | 883.8 | 841.3 | 812.7 | 807.4 | 809.5 |
| 15° | 949.5 | 952.8 | 960.1 | 961.2 | 960.1 | 952.8 | 949.5 | 932.6 | 846.6 | 809.5 | 797.9 |
| 17.5° | 955.9 | 957.0 | 962.3 | 962.3 | 962.3 | 957.0 | 955.9 | 948.5 | 919.8 | 870.0 | 804.2 |
| 20° | 950.6 | 952.8 | 963.4 | 965.4 | 963.4 | 952.8 | 950.6 | 941.0 | 925.1 | 907.1 | 857.3 |
| 22.5° | 948.5 | 952.8 | 961.2 | 960.1 | 961.2 | 952.8 | 948.5 | 933.6 | 919.8 | 907.1 | 887.0 |
| 25° | 937.9 | 937.9 | 938.9 | 940.0 | 938.9 | 937.9 | 937.9 | 926.2 | 898.6 | 895.4 | 883.8 |
| 27.5° | 915.6 | 917.7 | 924.1 | 923.0 | 924.1 | 917.7 | 915.6 | 911.3 | 881.6 | 878.5 | 870.0 |
| 30° | 895.4 | 893.3 | 888.0 | 883.8 | 888.0 | 893.3 | 895.4 | 889.1 | 859.4 | 850.9 | 853.0 |
| 32.5° | 861.5 | 856.2 | 850.9 | 847.7 | 850.9 | 856.2 | 861.5 | 859.4 | 837.1 | 825.4 | 827.6 |
| 35° | 821.1 | 822.3 | 821.1 | 818.0 | 821.1 | 822.3 | 821.1 | 823.3 | 809.5 | 798.9 | 797.9 |
| 37.5° | 792.6 | 794.6 | 793.6 | 789.3 | 793.6 | 794.6 | 792.6 | 790.4 | 771.3 | 768.1 | 770.2 |
| 40° | 762.8 | 763.9 | 762.8 | 759.6 | 762.8 | 763.9 | 762.8 | 758.6 | 732.1 | 733.1 | 740.5 |
| 42.5° | 734.2 | 733.1 | 729.9 | 727.8 | 729.9 | 733.1 | 734.2 | 727.8 | 693.9 | 690.7 | 704.5 |
| 45° | 701.3 | 702.4 | 696.0 | 692.8 | 696.0 | 702.4 | 701.3 | 697.1 | 662.1 | 653.6 | 663.1 |
| 47.5° | 668.4 | 668.4 | 663.1 | 659.9 | 663.1 | 668.4 | 668.4 | 663.1 | 625.9 | 617.5 | 622.8 |
| 50° | 633.4 | 632.4 | 624.9 | 623.9 | 624.9 | 632.4 | 633.4 | 630.2 | 590.9 | 583.5 | 583.5 |
| 52.5° | 593.1 | 593.1 | 594.1 | 596.2 | 594.1 | 593.1 | 593.1 | 594.1 | 559.1 | 551.7 | 549.6 |
| 55° | 558.1 | 559.1 | 566.5 | 568.7 | 566.5 | 559.1 | 558.1 | 558.1 | 526.2 | 518.8 | 514.6 |
| 57.5° | 522.0 | 522.0 | 527.3 | 527.3 | 527.3 | 522.0 | 522.0 | 519.9 | 489.1 | 482.8 | 480.6 |
| 60° | 480.6 | 482.8 | 486.9 | 485.9 | 486.9 | 482.8 | 480.6 | 478.5 | 451.9 | 447.8 | 440.3 |
| 62.5° | 437.1 | 439.2 | 440.3 | 438.2 | 440.3 | 439.2 | 437.1 | 430.7 | 414.8 | 411.6 | 402.1 |
| 65° | 391.5 | 393.6 | 394.7 | 392.6 | 394.7 | 393.6 | 391.5 | 388.3 | 376.6 | 371.3 | 362.9 |
| 67.5° | 344.8 | 343.8 | 342.7 | 346.9 | 342.7 | 343.8 | 344.8 | 340.6 | 333.2 | 328.9 | 317.2 |
| 70° | 297.0 | 297.0 | 296.0 | 298.2 | 296.0 | 297.0 | 297.0 | 293.9 | 289.6 | 286.4 | 275.8 |
| 72.5° | 246.1 | 245.1 | 249.3 | 246.1 | 249.3 | 245.1 | 246.1 | 245.1 | 243.0 | 239.8 | 229.2 |
| 75° | 196.3 | 198.4 | 196.3 | 199.5 | 196.3 | 198.4 | 196.3 | 197.3 | 196.3 | 194.2 | 186.7 |
| 77.5° | 149.6 | 151.7 | 149.6 | 149.6 | 149.6 | 151.7 | 149.6 | 150.6 | 150.6 | 150.6 | 144.3 |
| 80° | 106.1 | 105.0 | 105.0 | 104.0 | 105.0 | 105.0 | 106.1 | 106.1 | 107.1 | 105.0 | 102.9 |
| 82.5° | 67.9 | 66.8 | 66.8 | 69.0 | 66.8 | 66.8 | 67.9 | 69.0 | 66.8 | 66.8 | 66.8 |
| 85° | 37.1 | 38.2 | 36.1 | 36.1 | 36.1 | 38.2 | 37.1 | 35.0 | 37.1 | 37.1 | 36.1 |
| 87.5° | 13.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 13.8 | 14.9 | 14.9 | 14.9 | 15.9 |
| 90° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 12.6 | 16.9 | 19.0 | 16.3 |
| 92.5° | 47.3 | 45.4 | 37.9 | 30.4 | 37.9 | 45.4 | 47.3 | 67.1 | 93.4 | 106.6 | 93.5 |
| 95° | 160.5 | 154.8 | 132.1 | 109.3 | 132.1 | 154.8 | 160.5 | 210.8 | 277.8 | 311.4 | 263.0 |
| 97.5° | 370.7 | 359.8 | 316.5 | 273.1 | 316.5 | 359.8 | 370.7 | 402.5 | 444.8 | 466.0 | 385.3 |
| 100° | 520.5 | 507.6 | 455.9 | 404.2 | 455.9 | 507.6 | 520.5 | 518.2 | 515.0 | 513.5 | 424.0 |
| 102.5° | 648.4 | 637.3 | 593.1 | 548.9 | 593.1 | 637.3 | 648.4 | 608.0 | 554.0 | 527.0 | 436.2 |
| 105° | 797.8 | 791.8 | 768.1 | 744.3 | 768.1 | 791.8 | 797.8 | 707.0 | 586.0 | 525.5 | 437.6 |
| 107.5° | 875.4 | 876.9 | 882.7 | 888.4 | 882.7 | 876.9 | 875.4 | 748.8 | 580.0 | 495.6 | 418.0 |
| 110° | 895.3 | 901.5 | 926.3 | 951.2 | 926.3 | 901.5 | 895.3 | 753.8 | 565.1 | 470.7 | 400.8 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 112.5° | 882.7 | 892.2 | 930.3 | 968.3 | 930.3 | 892.2 | 882.7 | 737.8 | 544.7 | 448.1 | 385.8 |
| 115° | 839.6 | 852.8 | 905.6 | 958.4 | 905.6 | 852.8 | 839.6 | 700.1 | 514.0 | 420.9 | 368.4 |
| 117.5° | 780.1 | 794.7 | 853.3 | 911.8 | 853.3 | 794.7 | 780.1 | 654.1 | 486.2 | 402.2 | 357.6 |
| 120° | 740.0 | 754.3 | 811.1 | 868.0 | 811.1 | 754.3 | 740.0 | 625.0 | 471.5 | 394.8 | 354.0 |
| 122.5° | 700.0 | 714.0 | 770.1 | 826.2 | 770.1 | 714.0 | 700.0 | 596.3 | 458.1 | 389.1 | 352.0 |
| 125° | 647.0 | 659.9 | 711.5 | 763.2 | 711.5 | 659.9 | 647.0 | 559.0 | 441.6 | 382.9 | 350.5 |
| 127.5° | 604.4 | 615.3 | 658.9 | 702.5 | 658.9 | 615.3 | 604.4 | 528.9 | 428.1 | 377.7 | 349.6 |
| 130° | 577.5 | 587.6 | 627.9 | 668.1 | 627.9 | 587.6 | 577.5 | 510.2 | 420.5 | 375.6 | 350.1 |
| 132.5° | 554.6 | 563.6 | 599.7 | 635.7 | 599.7 | 563.6 | 554.6 | 494.4 | 414.0 | 373.9 | 350.5 |
| 135° | 522.3 | 530.1 | 561.1 | 592.2 | 561.1 | 530.1 | 522.3 | 471.8 | 404.6 | 370.9 | 350.2 |
| 137.5° | 498.3 | 504.7 | 530.1 | 555.6 | 530.1 | 504.7 | 498.3 | 455.7 | 398.9 | 370.4 | 352.4 |
| 140° | 479.2 | 485.1 | 508.9 | 532.7 | 508.9 | 485.1 | 479.2 | 442.3 | 393.2 | 368.7 | 352.7 |
| 142.5° | 465.7 | 470.9 | 491.3 | 511.8 | 491.3 | 470.9 | 465.7 | 433.4 | 390.3 | 368.7 | 354.0 |
| 145° | 445.6 | 449.4 | 464.9 | 480.4 | 464.9 | 449.4 | 445.6 | 419.1 | 383.8 | 366.2 | 354.0 |
| 147.5° | 428.6 | 431.9 | 444.7 | 457.5 | 444.7 | 431.9 | 428.6 | 407.8 | 380.1 | 366.2 | 356.4 |
| 150° | 418.9 | 421.5 | 431.9 | 442.4 | 431.9 | 421.5 | 418.9 | 401.3 | 377.9 | 366.2 | 357.7 |
| 152.5° | 411.2 | 413.1 | 421.0 | 428.9 | 421.0 | 413.1 | 411.2 | 396.2 | 376.2 | 366.2 | 358.5 |
| 155° | 402.0 | 403.3 | 408.5 | 413.7 | 408.5 | 403.3 | 402.0 | 390.0 | 374.1 | 366.2 | 360.3 |
| 157.5° | 394.0 | 394.9 | 398.6 | 402.2 | 398.6 | 394.9 | 394.0 | 384.7 | 372.4 | 366.2 | 362.2 |
| 160° | 390.1 | 390.6 | 392.7 | 394.8 | 392.7 | 390.6 | 390.1 | 382.1 | 371.5 | 366.2 | 363.0 |
| 162.5° | 386.3 | 386.8 | 388.8 | 390.8 | 388.8 | 386.8 | 386.3 | 379.6 | 370.7 | 366.2 | 363.8 |
| 165° | 380.6 | 381.2 | 383.3 | 385.4 | 383.3 | 381.2 | 380.6 | 375.8 | 369.4 | 366.2 | 365.1 |
| 167.5° | 378.1 | 378.4 | 379.3 | 380.1 | 379.3 | 378.4 | 378.1 | 375.0 | 370.7 | 368.7 | 367.8 |
| 170° | 378.1 | 378.1 | 378.1 | 378.1 | 378.1 | 378.1 | 378.1 | 375.0 | 370.7 | 368.7 | 368.6 |
| 172.5° | 376.1 | 376.0 | 375.2 | 374.4 | 375.2 | 376.0 | 376.1 | 373.6 | 370.3 | 368.7 | 368.7 |
| 175° | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 371.8 | 369.7 | 368.7 | 369.1 |
| 177.5° | 372.9 | 372.7 | 371.8 | 370.9 | 371.8 | 372.7 | 372.9 | 371.6 | 369.9 | 369.1 | 369.5 |
| 180° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1121.4 | 1121.4 | 1121.4 | 1121.4 | 1121.4 |
| 2.5° | 1107.7 | 1113.0 | 1116.1 | 1120.3 | 1130.9 |
| 5° | 1065.2 | 1085.3 | 1091.8 | 1107.7 | 1126.8 |
| 7.5° | 971.9 | 1033.4 | 1050.3 | 1088.5 | 1118.3 |
| 10° | 881.6 | 943.2 | 972.9 | 1063.1 | 1107.7 |
| 12.5° | 836.0 | 872.1 | 892.3 | 1018.5 | 1092.8 |
| 15° | 807.4 | 832.9 | 847.7 | 959.1 | 1075.8 |
| 17.5° | 785.1 | 803.2 | 813.8 | 900.7 | 1052.5 |
| 20° | 771.3 | 779.8 | 789.3 | 858.3 | 1025.9 |
| 22.5° | 761.7 | 756.4 | 763.9 | 828.6 | 989.9 |
| 25° | 755.4 | 735.2 | 743.7 | 805.2 | 947.5 |
| 27.5° | 760.7 | 716.1 | 719.3 | 784.0 | 902.9 |
| 30° | 761.7 | 692.8 | 693.9 | 761.7 | 853.0 |
| 32.5° | 754.3 | 668.4 | 669.5 | 734.2 | 796.7 |
| 35° | 736.3 | 639.8 | 638.7 | 702.4 | 720.4 |
| 37.5° | 711.9 | 609.0 | 609.0 | 667.4 | 636.5 |
| 40° | 682.2 | 578.2 | 581.4 | 621.7 | 562.3 |
| 42.5° | 646.1 | 545.3 | 549.6 | 561.2 | 507.2 |
| 45° | 606.8 | 513.5 | 516.7 | 474.3 | 464.7 |
| 47.5° | 563.4 | 480.6 | 481.6 | 393.6 | 450.9 |
| 50° | 511.4 | 446.6 | 442.5 | 337.4 | 449.8 |
| 52.5° | 465.7 | 409.5 | 396.8 | 305.5 | 408.5 |
| 55° | 421.2 | 370.3 | 342.7 | 281.1 | 378.8 |
| 57.5° | 381.9 | 319.4 | 292.9 | 252.5 | 372.4 |
| 60° | 345.9 | 269.5 | 249.3 | 221.7 | 341.6 |
| 62.5° | 316.1 | 232.4 | 228.1 | 200.5 | 309.8 |
| 65° | 284.3 | 206.9 | 205.8 | 182.5 | 263.1 |
| 67.5° | 253.6 | 189.9 | 188.9 | 165.5 | 200.5 |
| 70° | 220.7 | 171.8 | 169.8 | 147.5 | 148.6 |
| 72.5° | 186.7 | 151.7 | 149.6 | 132.7 | 123.1 |
| 75° | 152.8 | 128.4 | 127.3 | 115.6 | 99.7 |
| 77.5° | 119.9 | 101.8 | 104.0 | 93.4 | 73.2 |
| 80° | 85.9 | 74.3 | 76.4 | 66.8 | 55.2 |
| 82.5° | 57.3 | 48.8 | 50.9 | 42.4 | 37.1 |
| 85° | 31.8 | 27.6 | 28.7 | 22.2 | 16.9 |
| 87.5° | 14.9 | 12.8 | 12.8 | 8.5 | 5.3 |
| 90° | 11.0 | 7.0 | 6.5 | 4.5 | 2.5 |
| 92.5° | 67.5 | 48.0 | 43.8 | 26.9 | 10.0 |
| 95° | 166.2 | 93.6 | 85.9 | 54.9 | 23.9 |
| 97.5° | 223.9 | 102.8 | 96.0 | 68.7 | 41.4 |
| 100° | 244.8 | 110.5 | 104.3 | 79.5 | 54.8 |
| 102.5° | 254.5 | 118.2 | 112.4 | 89.4 | 66.2 |
| 105° | 261.6 | 129.7 | 124.8 | 105.2 | 85.6 |
| 107.5° | 263.0 | 146.6 | 142.1 | 123.8 | 105.5 |
| 110° | 261.0 | 156.1 | 152.0 | 135.5 | 119.0 |



TEST NUMBER: P934850

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 261.1 | 167.5 | 163.6 | 147.9 | 132.2 |
| 115° | 263.5 | 184.7 | 181.1 | 166.5 | 152.1 |
| 117.5° | 268.4 | 201.4 | 198.1 | 184.9 | 171.8 |
| 120° | 272.3 | 211.1 | 208.0 | 195.6 | 183.2 |
| 122.5° | 278.0 | 222.5 | 219.4 | 206.9 | 194.4 |
| 125° | 285.8 | 237.2 | 234.4 | 223.0 | 211.6 |
| 127.5° | 293.5 | 251.4 | 248.5 | 237.0 | 225.6 |
| 130° | 299.1 | 260.9 | 257.8 | 245.4 | 233.0 |
| 132.5° | 303.7 | 268.6 | 265.5 | 253.1 | 240.7 |
| 135° | 308.7 | 277.5 | 274.7 | 263.4 | 252.1 |
| 137.5° | 316.1 | 289.0 | 286.2 | 275.0 | 263.9 |
| 140° | 320.7 | 296.7 | 294.1 | 283.9 | 273.6 |
| 142.5° | 324.5 | 302.4 | 300.0 | 290.5 | 281.0 |
| 145° | 329.5 | 311.2 | 309.1 | 300.8 | 292.5 |
| 147.5° | 336.8 | 322.1 | 320.1 | 312.0 | 303.9 |
| 150° | 340.6 | 327.9 | 326.0 | 318.7 | 311.4 |
| 152.5° | 343.1 | 331.6 | 330.2 | 324.7 | 319.1 |
| 155° | 348.6 | 339.7 | 338.7 | 334.7 | 330.6 |
| 157.5° | 354.0 | 348.0 | 347.1 | 343.0 | 339.0 |
| 160° | 356.5 | 351.7 | 350.9 | 347.9 | 344.7 |
| 162.5° | 359.2 | 355.7 | 355.2 | 352.8 | 350.5 |
| 165° | 363.0 | 361.4 | 360.9 | 358.8 | 356.7 |
| 167.5° | 366.0 | 364.6 | 364.4 | 363.4 | 362.4 |
| 170° | 368.5 | 368.4 | 368.2 | 367.1 | 366.2 |
| 172.5° | 368.7 | 368.7 | 368.6 | 368.4 | 368.2 |
| 175° | 370.2 | 370.9 | 370.9 | 370.9 | 370.9 |
| 177.5° | 370.3 | 370.9 | 370.9 | 370.9 | 370.9 |
| 180° | 370.9 | 370.9 | 370.9 | 370.9 | 370.9 |



TEST NUMBER: P934850
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-4

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 13.36 | 14.27 | 14.28 | 15.20 | 16.40 | 16.16 | 17.06 | 17.07 | 18.00 | 19.20 |
| | 3H | 13.84 | 14.65 | 14.77 | 15.60 | 16.82 | 17.50 | 18.31 | 18.42 | 19.25 | 20.48 |
| | 4H | 14.03 | 14.80 | 14.98 | 15.75 | 16.98 | 17.94 | 18.70 | 18.88 | 19.65 | 20.89 |
| | 6H | 14.16 | 14.86 | 15.11 | 15.82 | 17.07 | 18.22 | 18.92 | 19.17 | 19.88 | 21.12 |
| | 8H | 14.16 | 14.83 | 15.12 | 15.80 | 17.05 | 18.29 | 18.96 | 19.25 | 19.93 | 21.18 |
| | 12H | 14.13 | 14.77 | 15.10 | 15.74 | 17.01 | 18.32 | 18.96 | 19.29 | 19.93 | 21.20 |
| 4H | 2H | 14.39 | 15.16 | 15.34 | 16.11 | 17.34 | 16.57 | 17.34 | 17.52 | 18.29 | 19.52 |
| | 3H | 15.42 | 16.06 | 16.38 | 17.04 | 18.29 | 18.07 | 18.71 | 19.03 | 19.69 | 20.94 |
| | 4H | 15.70 | 16.28 | 16.67 | 17.26 | 18.53 | 18.60 | 19.18 | 19.56 | 20.15 | 21.43 |
| | 6H | 15.83 | 16.33 | 16.81 | 17.33 | 18.60 | 18.96 | 19.46 | 19.94 | 20.46 | 21.73 |
| | 8H | 15.83 | 16.30 | 16.82 | 17.29 | 18.58 | 19.06 | 19.53 | 20.04 | 20.52 | 21.81 |
| | 12H | 15.80 | 16.23 | 16.80 | 17.23 | 18.53 | 19.11 | 19.54 | 20.11 | 20.54 | 21.84 |
| 8H | 4H | 16.15 | 16.62 | 17.13 | 17.61 | 18.90 | 18.73 | 19.20 | 19.71 | 20.19 | 21.47 |
| | 6H | 16.41 | 16.80 | 17.42 | 17.83 | 19.12 | 19.16 | 19.54 | 20.16 | 20.58 | 21.86 |
| | 8H | 16.46 | 16.80 | 17.47 | 17.82 | 19.12 | 19.30 | 19.65 | 20.32 | 20.66 | 21.97 |
| | 12H | 16.44 | 16.75 | 17.46 | 17.76 | 19.11 | 19.40 | 19.70 | 20.42 | 20.71 | 22.06 |
| 12H | 4H | 16.16 | 16.58 | 17.16 | 17.59 | 18.88 | 18.69 | 19.12 | 19.69 | 20.12 | 21.42 |
| | 6H | 16.47 | 16.82 | 17.49 | 17.84 | 19.14 | 19.15 | 19.50 | 20.17 | 20.52 | 21.82 |
| | 8H | 16.54 | 16.84 | 17.56 | 17.86 | 19.21 | 19.31 | 19.61 | 20.33 | 20.63 | 21.98 |