

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: P934615

Luminaire Tested: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934615
REPORT IS A COMBINATION OF REPORTS P933707 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

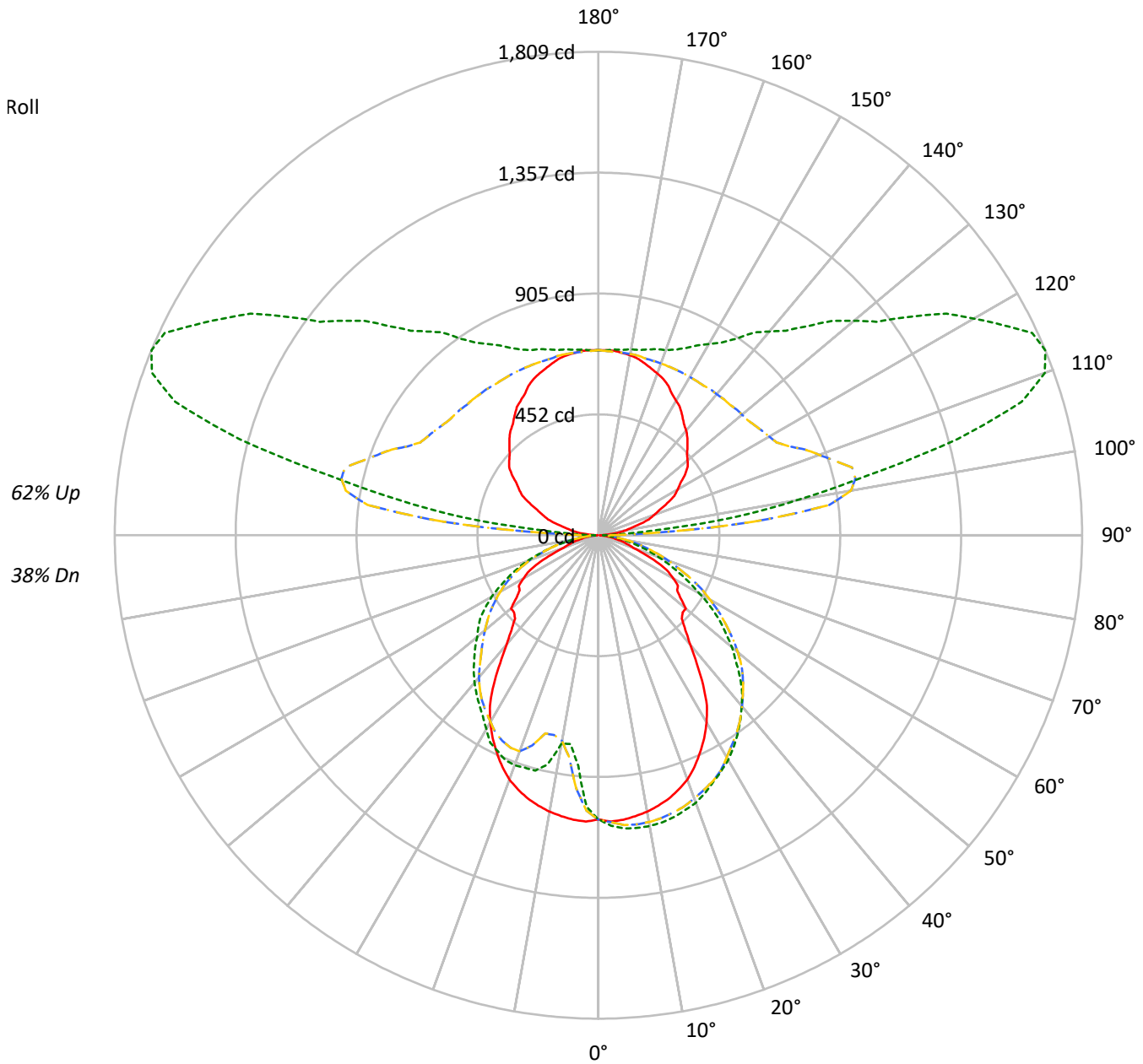
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7251.0 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 51.6
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: P934615
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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 | | | | 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 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 60 | 60 | 60 | 45 | 45 | 45 | 38 | | | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 79 | 77 | 67 | 65 | 63 | 53 | 52 | 50 | 40 | 39 | 38 | 32 | | | 32 |
| 2 | 87 | 79 | 73 | 68 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 47 | 44 | 42 | 35 | 34 | 32 | 27 | | | 27 |
| 3 | 79 | 70 | 63 | 57 | 71 | 64 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 35 | 31 | 29 | 27 | 23 | | | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 50 | 44 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 25 | 24 | 20 | | | 20 |
| 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 | 30 | 26 | 23 | 23 | 20 | 18 | 15 | | | 15 |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 | | | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 22 | 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 | 11 | | | 11 |
| 10 | 45 | 33 | 26 | 22 | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 14 | 12 | 10 | | | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 6578 | 6578 | 6578 | 6578 |
| 5° | 6624 | 6640 | 6624 | 5221 |
| 10° | 6578 | 6541 | 6578 | 4676 |
| 15° | 6504 | 6399 | 6504 | 5343 |
| 20° | 6365 | 6231 | 6365 | 5354 |
| 25° | 6084 | 5987 | 6084 | 5241 |
| 30° | 5722 | 5783 | 5722 | 4992 |
| 35° | 5099 | 5526 | 5099 | 4718 |
| 40° | 4246 | 5224 | 4246 | 4511 |
| 45° | 3791 | 4869 | 3791 | 4273 |
| 50° | 4025 | 4447 | 4025 | 4035 |
| 55° | 3783 | 3991 | 3783 | 3897 |
| 60° | 3895 | 3390 | 3895 | 3569 |
| 65° | 3526 | 2802 | 3526 | 3132 |
| 70° | 2435 | 2233 | 2435 | 2626 |
| 75° | 2129 | 1650 | 2129 | 1976 |
| 80° | 1702 | 1091 | 1702 | 1188 |
| 85° | 960 | 577 | 960 | 491 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5815 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.0 | 1.3 |
| 10°-20° | 272.5 | 3.8 |
| 20°-30° | 421.3 | 5.8 |
| 30°-40° | 502.9 | 6.9 |
| 40°-50° | 505.9 | 7.0 |
| 50°-60° | 440.2 | 6.1 |
| 60°-70° | 312.1 | 4.3 |
| 70°-80° | 165.1 | 2.3 |
| 80°-90° | 43.8 | 0.6 |
| 90°-100° | 337.7 | 4.7 |
| 100°-110° | 887.9 | 12.2 |
| 110°-120° | 920.6 | 12.7 |
| 120°-130° | 738.5 | 10.2 |
| 130°-140° | 579.4 | 8.0 |
| 140°-150° | 444.7 | 6.1 |
| 150°-160° | 320.3 | 4.4 |
| 160°-170° | 196.0 | 2.7 |
| 170°-180° | 66.2 | 0.9 |
| 0°-30° | 789.8 | 10.9 |
| 0°-40° | 1292.7 | 17.8 |
| 0°-60° | 2238.7 | 30.9 |
| 0°-90° | 2759.6 | 38.1 |
| 90°-120° | 2146.2 | 29.6 |
| 90°-150° | 3908.9 | 53.9 |
| 90°-180° | 4491.0 | 61.9 |
| 0°-180° | 7251.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1063 | 1063 | 1063 | 1063 | 1063 | |
| 5° | 1068 | 1102 | 1068 | 866 | 1068 | 101 |
| 15° | 1020 | 1092 | 1020 | 911 | 1020 | 287 |
| 25° | 898 | 1018 | 898 | 891 | 898 | 412 |
| 35° | 683 | 908 | 683 | 776 | 683 | 423 |
| 45° | 441 | 748 | 441 | 657 | 441 | 353 |
| 55° | 359 | 552 | 359 | 539 | 359 | 330 |
| 65° | 250 | 333 | 250 | 372 | 250 | 238 |
| 75° | 95 | 158 | 95 | 189 | 95 | 99 |
| 85° | 16 | 40 | 16 | 34 | 16 | 22 |
| 90° | 5 | 18 | 5 | 18 | 5 | 4 |
| 95° | 45 | 204 | 45 | 204 | 45 | 50 |
| 105° | 160 | 1390 | 160 | 1390 | 160 | 170 |
| 115° | 284 | 1790 | 284 | 1790 | 284 | 281 |
| 125° | 395 | 1426 | 395 | 1426 | 395 | 351 |
| 135° | 471 | 1106 | 471 | 1106 | 471 | 364 |
| 145° | 546 | 897 | 546 | 897 | 546 | 342 |
| 155° | 618 | 773 | 618 | 773 | 618 | 284 |
| 165° | 666 | 720 | 666 | 720 | 666 | 188 |
| 175° | 693 | 698 | 693 | 698 | 693 | 66 |
| 180° | 693 | 693 | 693 | 693 | 693 | |



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 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 |
| 2.5° | 1072.4 | 1072.4 | 1078.4 | 1080.4 | 1080.4 | 1077.4 | 1074.4 | 1077.4 | 1086.5 | 1089.5 | 1088.5 |
| 5° | 1068.3 | 1076.4 | 1087.5 | 1089.5 | 1091.5 | 1090.5 | 1088.5 | 1090.5 | 1100.5 | 1102.6 | 1103.6 |
| 7.5° | 1060.3 | 1075.4 | 1089.5 | 1092.5 | 1095.5 | 1092.5 | 1091.5 | 1093.5 | 1103.6 | 1105.6 | 1105.6 |
| 10° | 1050.2 | 1071.4 | 1087.5 | 1089.5 | 1092.5 | 1089.5 | 1089.5 | 1093.5 | 1103.6 | 1105.6 | 1106.6 |
| 12.5° | 1036.2 | 1065.3 | 1080.4 | 1082.4 | 1086.5 | 1085.5 | 1084.4 | 1088.5 | 1098.5 | 1100.5 | 1100.5 |
| 15° | 1020.1 | 1054.3 | 1068.3 | 1070.4 | 1077.4 | 1075.4 | 1075.4 | 1079.4 | 1090.5 | 1093.5 | 1092.5 |
| 17.5° | 997.9 | 1040.2 | 1056.3 | 1059.3 | 1064.3 | 1063.3 | 1064.3 | 1068.3 | 1078.4 | 1080.4 | 1081.4 |
| 20° | 972.8 | 1021.1 | 1040.2 | 1043.2 | 1048.2 | 1048.2 | 1048.2 | 1053.3 | 1063.3 | 1067.3 | 1067.3 |
| 22.5° | 938.6 | 1000.9 | 1021.1 | 1023.1 | 1029.1 | 1029.1 | 1031.1 | 1038.2 | 1047.2 | 1048.2 | 1048.2 |
| 25° | 898.3 | 978.8 | 995.9 | 1002.0 | 1008.0 | 1011.0 | 1014.0 | 1018.1 | 1021.1 | 1020.1 | 1021.1 |
| 27.5° | 856.1 | 950.6 | 972.8 | 976.8 | 984.9 | 987.9 | 991.9 | 992.9 | 993.9 | 996.9 | 994.9 |
| 30° | 808.8 | 911.4 | 944.6 | 948.6 | 961.7 | 963.7 | 959.7 | 961.7 | 966.7 | 968.8 | 970.8 |
| 32.5° | 755.5 | 853.1 | 915.4 | 924.5 | 936.6 | 930.5 | 929.5 | 932.5 | 940.6 | 940.6 | 942.6 |
| 35° | 683.1 | 807.8 | 888.3 | 896.3 | 905.4 | 898.3 | 902.4 | 903.4 | 908.4 | 911.4 | 910.4 |
| 37.5° | 603.6 | 768.6 | 860.1 | 866.1 | 873.2 | 864.1 | 870.2 | 873.2 | 877.2 | 875.2 | 875.2 |
| 40° | 533.2 | 707.2 | 826.9 | 830.9 | 837.0 | 829.9 | 836.0 | 838.0 | 840.0 | 838.0 | 837.0 |
| 42.5° | 480.9 | 639.8 | 791.7 | 796.7 | 792.7 | 797.7 | 799.8 | 803.8 | 800.8 | 796.7 | 796.7 |
| 45° | 440.6 | 621.7 | 753.5 | 759.5 | 753.5 | 761.5 | 764.5 | 764.5 | 755.5 | 753.5 | 752.5 |
| 47.5° | 427.5 | 585.5 | 715.3 | 715.3 | 712.2 | 722.3 | 727.3 | 720.3 | 711.2 | 708.2 | 708.2 |
| 50° | 426.5 | 545.2 | 662.9 | 658.9 | 673.0 | 685.1 | 680.0 | 673.0 | 666.0 | 654.9 | 654.9 |
| 52.5° | 387.3 | 495.9 | 595.5 | 610.6 | 632.8 | 639.8 | 631.8 | 624.7 | 612.6 | 607.6 | 603.6 |
| 55° | 359.1 | 444.6 | 534.2 | 564.4 | 587.5 | 596.5 | 581.5 | 574.4 | 556.3 | 553.3 | 551.3 |
| 57.5° | 353.1 | 370.2 | 477.8 | 516.1 | 544.2 | 543.2 | 534.2 | 521.1 | 506.0 | 503.0 | 502.0 |
| 60° | 323.9 | 267.6 | 417.5 | 462.8 | 491.9 | 488.9 | 480.9 | 468.8 | 454.7 | 452.7 | 450.7 |
| 62.5° | 293.7 | 194.2 | 349.1 | 400.4 | 441.6 | 440.6 | 433.6 | 415.5 | 405.4 | 400.4 | 396.4 |
| 65° | 249.5 | 163.0 | 248.5 | 333.0 | 392.3 | 394.3 | 379.3 | 366.2 | 355.1 | 349.1 | 348.1 |
| 67.5° | 190.1 | 132.8 | 168.0 | 277.7 | 345.1 | 343.0 | 323.9 | 317.9 | 303.8 | 300.8 | 294.8 |
| 70° | 140.8 | 88.5 | 116.7 | 225.3 | 298.8 | 293.7 | 278.7 | 271.6 | 258.5 | 251.5 | 247.5 |
| 72.5° | 116.7 | 71.4 | 85.5 | 175.0 | 251.5 | 245.5 | 232.4 | 224.3 | 213.3 | 207.2 | 203.2 |
| 75° | 94.6 | 75.4 | 65.4 | 129.8 | 204.2 | 200.2 | 188.1 | 180.1 | 171.0 | 163.0 | 164.0 |
| 77.5° | 69.4 | 70.4 | 52.3 | 95.6 | 162.0 | 155.9 | 148.9 | 138.8 | 134.8 | 126.8 | 126.8 |
| 80° | 52.3 | 55.3 | 39.2 | 65.4 | 116.7 | 116.7 | 110.7 | 103.6 | 96.6 | 92.6 | 92.6 |
| 82.5° | 35.2 | 35.2 | 29.2 | 41.2 | 79.5 | 76.5 | 72.4 | 70.4 | 66.4 | 64.4 | 64.4 |
| 85° | 16.1 | 20.1 | 18.1 | 25.1 | 43.3 | 45.3 | 45.3 | 43.3 | 42.3 | 40.2 | 41.2 |
| 87.5° | 5.0 | 9.1 | 11.1 | 14.1 | 22.1 | 23.1 | 24.1 | 24.1 | 24.1 | 25.1 | 25.1 |
| 90° | 4.6 | 8.3 | 12.1 | 13.0 | 20.4 | 30.3 | 35.3 | 31.4 | 23.6 | 17.7 | 17.7 |
| 92.5° | 18.6 | 50.2 | 81.8 | 89.7 | 126.1 | 174.7 | 199.0 | 174.4 | 125.2 | 88.3 | 84.8 |
| 95° | 44.6 | 102.5 | 160.3 | 174.8 | 310.4 | 491.3 | 581.7 | 519.1 | 393.8 | 299.9 | 289.3 |
| 97.5° | 77.2 | 128.2 | 179.2 | 192.0 | 418.2 | 719.7 | 870.5 | 830.9 | 751.8 | 692.4 | 672.1 |
| 100° | 102.3 | 148.6 | 194.9 | 206.5 | 457.4 | 792.0 | 959.3 | 962.2 | 968.0 | 972.3 | 948.2 |
| 102.5° | 123.7 | 166.9 | 210.1 | 220.9 | 475.4 | 814.7 | 984.4 | 1034.8 | 1135.7 | 1211.3 | 1190.6 |
| 105° | 160.0 | 196.6 | 233.2 | 242.3 | 488.7 | 817.3 | 981.6 | 1094.6 | 1320.7 | 1490.3 | 1479.2 |
| 107.5° | 197.2 | 231.3 | 265.4 | 273.9 | 491.2 | 780.9 | 925.8 | 1083.5 | 1398.9 | 1635.4 | 1638.1 |
| 110° | 222.3 | 253.1 | 283.8 | 291.5 | 487.4 | 748.7 | 879.3 | 1055.6 | 1408.2 | 1672.6 | 1684.2 |



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CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 246.9 | 276.2 | 305.6 | 312.9 | 487.6 | 720.5 | 837.0 | 1017.4 | 1378.2 | 1648.8 | 1666.6 |
| 115° | 284.1 | 311.2 | 338.2 | 345.0 | 492.1 | 688.2 | 786.3 | 960.1 | 1307.7 | 1568.4 | 1593.0 |
| 117.5° | 320.8 | 345.4 | 370.0 | 376.2 | 501.3 | 668.0 | 751.4 | 908.3 | 1222.0 | 1457.3 | 1484.6 |
| 120° | 342.2 | 365.4 | 388.5 | 394.3 | 508.7 | 661.2 | 737.5 | 880.8 | 1167.4 | 1382.4 | 1409.0 |
| 122.5° | 363.2 | 386.5 | 409.9 | 415.7 | 519.4 | 657.7 | 726.8 | 855.8 | 1113.9 | 1307.5 | 1333.7 |
| 125° | 395.2 | 416.5 | 437.8 | 443.1 | 533.8 | 654.7 | 715.2 | 824.8 | 1044.1 | 1208.5 | 1232.6 |
| 127.5° | 421.3 | 442.8 | 464.2 | 469.6 | 548.2 | 653.0 | 705.4 | 799.5 | 987.8 | 1129.0 | 1149.4 |
| 130° | 435.2 | 458.4 | 481.5 | 487.3 | 558.8 | 654.1 | 701.7 | 785.5 | 953.1 | 1078.8 | 1097.6 |
| 132.5° | 449.6 | 472.8 | 495.9 | 501.7 | 567.3 | 654.7 | 698.4 | 773.4 | 923.5 | 1036.0 | 1052.8 |
| 135° | 471.0 | 492.1 | 513.2 | 518.5 | 576.6 | 654.1 | 692.8 | 755.6 | 881.3 | 975.5 | 990.0 |
| 137.5° | 492.9 | 513.7 | 534.6 | 539.8 | 590.5 | 658.1 | 691.9 | 745.0 | 851.2 | 930.9 | 942.8 |
| 140° | 511.0 | 530.2 | 549.5 | 554.3 | 599.1 | 658.8 | 688.6 | 734.5 | 826.3 | 895.1 | 906.2 |
| 142.5° | 525.0 | 542.8 | 560.6 | 565.0 | 606.2 | 661.1 | 688.6 | 728.9 | 809.5 | 870.0 | 879.6 |
| 145° | 546.4 | 561.9 | 577.3 | 581.2 | 615.5 | 661.2 | 684.0 | 717.0 | 782.9 | 832.3 | 839.5 |
| 147.5° | 567.7 | 582.8 | 597.9 | 601.7 | 629.1 | 665.7 | 684.0 | 709.9 | 761.8 | 800.7 | 806.7 |
| 150° | 581.7 | 595.3 | 609.0 | 612.4 | 636.3 | 668.1 | 684.0 | 705.9 | 749.7 | 782.6 | 787.5 |
| 152.5° | 596.1 | 606.5 | 616.8 | 619.4 | 640.9 | 669.6 | 684.0 | 702.7 | 740.1 | 768.2 | 771.9 |
| 155° | 617.5 | 625.1 | 632.8 | 634.7 | 651.1 | 673.0 | 684.0 | 698.9 | 728.7 | 751.0 | 753.4 |
| 157.5° | 633.3 | 640.8 | 648.2 | 650.1 | 661.4 | 676.5 | 684.0 | 695.6 | 718.7 | 736.1 | 737.8 |
| 160° | 644.0 | 649.8 | 655.6 | 657.0 | 666.0 | 678.0 | 684.0 | 693.9 | 713.7 | 728.6 | 729.6 |
| 162.5° | 654.7 | 659.1 | 663.4 | 664.5 | 671.0 | 679.7 | 684.0 | 692.4 | 709.1 | 721.7 | 722.6 |
| 165° | 666.3 | 670.3 | 674.2 | 675.2 | 678.1 | 682.0 | 684.0 | 690.0 | 702.0 | 711.0 | 712.0 |
| 167.5° | 677.0 | 678.9 | 680.7 | 681.2 | 683.7 | 687.0 | 688.6 | 692.5 | 700.4 | 706.3 | 706.7 |
| 170° | 684.0 | 685.9 | 687.7 | 688.2 | 688.3 | 688.5 | 688.6 | 692.5 | 700.4 | 706.3 | 706.3 |
| 172.5° | 687.7 | 688.1 | 688.5 | 688.6 | 688.6 | 688.6 | 688.6 | 691.7 | 697.9 | 702.6 | 702.2 |
| 175° | 692.8 | 692.8 | 692.8 | 692.8 | 691.4 | 689.5 | 688.6 | 690.6 | 694.5 | 697.5 | 697.5 |
| 177.5° | 692.8 | 692.8 | 692.8 | 692.8 | 691.7 | 690.3 | 689.6 | 691.2 | 694.3 | 696.6 | 696.2 |
| 180° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 |



TEST NUMBER: P934615
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 |
| 2.5° | 1090.5 | 1087.5 | 1090.5 | 1088.5 | 1089.5 | 1086.5 | 1077.4 | 1074.4 | 1077.4 | 1080.4 | 1080.4 |
| 5° | 1103.6 | 1101.5 | 1103.6 | 1103.6 | 1102.6 | 1100.5 | 1090.5 | 1088.5 | 1090.5 | 1091.5 | 1089.5 |
| 7.5° | 1107.6 | 1104.6 | 1107.6 | 1105.6 | 1105.6 | 1103.6 | 1093.5 | 1091.5 | 1092.5 | 1095.5 | 1092.5 |
| 10° | 1107.6 | 1104.6 | 1107.6 | 1106.6 | 1105.6 | 1103.6 | 1093.5 | 1089.5 | 1089.5 | 1092.5 | 1089.5 |
| 12.5° | 1102.6 | 1100.5 | 1102.6 | 1100.5 | 1100.5 | 1098.5 | 1088.5 | 1084.4 | 1085.5 | 1086.5 | 1082.4 |
| 15° | 1094.5 | 1091.5 | 1094.5 | 1092.5 | 1093.5 | 1090.5 | 1079.4 | 1075.4 | 1075.4 | 1077.4 | 1070.4 |
| 17.5° | 1082.4 | 1078.4 | 1082.4 | 1081.4 | 1080.4 | 1078.4 | 1068.3 | 1064.3 | 1063.3 | 1064.3 | 1059.3 |
| 20° | 1068.3 | 1065.3 | 1068.3 | 1067.3 | 1067.3 | 1063.3 | 1053.3 | 1048.2 | 1048.2 | 1048.2 | 1043.2 |
| 22.5° | 1046.2 | 1043.2 | 1046.2 | 1048.2 | 1048.2 | 1047.2 | 1038.2 | 1031.1 | 1029.1 | 1029.1 | 1023.1 |
| 25° | 1021.1 | 1018.1 | 1021.1 | 1021.1 | 1020.1 | 1021.1 | 1018.1 | 1014.0 | 1011.0 | 1008.0 | 1002.0 |
| 27.5° | 996.9 | 994.9 | 996.9 | 994.9 | 996.9 | 993.9 | 992.9 | 991.9 | 987.9 | 984.9 | 976.8 |
| 30° | 972.8 | 970.8 | 972.8 | 970.8 | 968.8 | 966.7 | 961.7 | 959.7 | 963.7 | 961.7 | 948.6 |
| 32.5° | 942.6 | 940.6 | 942.6 | 942.6 | 940.6 | 940.6 | 932.5 | 929.5 | 930.5 | 936.6 | 924.5 |
| 35° | 911.4 | 908.4 | 911.4 | 910.4 | 911.4 | 908.4 | 903.4 | 902.4 | 898.3 | 905.4 | 896.3 |
| 37.5° | 875.2 | 872.2 | 875.2 | 875.2 | 875.2 | 877.2 | 873.2 | 870.2 | 864.1 | 873.2 | 866.1 |
| 40° | 838.0 | 834.0 | 838.0 | 837.0 | 838.0 | 840.0 | 838.0 | 836.0 | 829.9 | 837.0 | 830.9 |
| 42.5° | 795.7 | 794.7 | 795.7 | 796.7 | 796.7 | 800.8 | 803.8 | 799.8 | 797.7 | 792.7 | 796.7 |
| 45° | 750.5 | 748.4 | 750.5 | 752.5 | 753.5 | 755.5 | 764.5 | 764.5 | 761.5 | 753.5 | 759.5 |
| 47.5° | 702.2 | 697.1 | 702.2 | 708.2 | 708.2 | 711.2 | 720.3 | 727.3 | 722.3 | 712.2 | 715.3 |
| 50° | 650.9 | 651.9 | 650.9 | 654.9 | 654.9 | 666.0 | 673.0 | 680.0 | 685.1 | 673.0 | 658.9 |
| 52.5° | 600.6 | 599.6 | 600.6 | 603.6 | 607.6 | 612.6 | 624.7 | 631.8 | 639.8 | 632.8 | 610.6 |
| 55° | 550.3 | 552.3 | 550.3 | 551.3 | 553.3 | 556.3 | 574.4 | 581.5 | 596.5 | 587.5 | 564.4 |
| 57.5° | 500.0 | 497.0 | 500.0 | 502.0 | 503.0 | 506.0 | 521.1 | 534.2 | 543.2 | 544.2 | 516.1 |
| 60° | 441.6 | 437.6 | 441.6 | 450.7 | 452.7 | 454.7 | 468.8 | 480.9 | 488.9 | 491.9 | 462.8 |
| 62.5° | 390.3 | 383.3 | 390.3 | 396.4 | 400.4 | 405.4 | 415.5 | 433.6 | 440.6 | 441.6 | 400.4 |
| 65° | 336.0 | 333.0 | 336.0 | 348.1 | 349.1 | 355.1 | 366.2 | 379.3 | 394.3 | 392.3 | 333.0 |
| 67.5° | 286.7 | 286.7 | 286.7 | 294.8 | 300.8 | 303.8 | 317.9 | 323.9 | 343.0 | 345.1 | 277.7 |
| 70° | 241.4 | 240.4 | 241.4 | 247.5 | 251.5 | 258.5 | 271.6 | 278.7 | 293.7 | 298.8 | 225.3 |
| 72.5° | 198.2 | 197.2 | 198.2 | 203.2 | 207.2 | 213.3 | 224.3 | 232.4 | 245.5 | 251.5 | 175.0 |
| 75° | 160.0 | 157.9 | 160.0 | 164.0 | 163.0 | 171.0 | 180.1 | 188.1 | 200.2 | 204.2 | 129.8 |
| 77.5° | 122.7 | 122.7 | 122.7 | 126.8 | 126.8 | 134.8 | 138.8 | 148.9 | 155.9 | 162.0 | 95.6 |
| 80° | 91.5 | 90.5 | 91.5 | 92.6 | 92.6 | 96.6 | 103.6 | 110.7 | 116.7 | 116.7 | 65.4 |
| 82.5° | 64.4 | 62.4 | 64.4 | 64.4 | 64.4 | 66.4 | 70.4 | 72.4 | 76.5 | 79.5 | 41.2 |
| 85° | 40.2 | 40.2 | 40.2 | 41.2 | 40.2 | 42.3 | 43.3 | 45.3 | 45.3 | 43.3 | 25.1 |
| 87.5° | 26.2 | 25.1 | 26.2 | 25.1 | 25.1 | 24.1 | 24.1 | 24.1 | 23.1 | 22.1 | 14.1 |
| 90° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 23.6 | 31.4 | 35.3 | 30.3 | 20.4 | 13.0 |
| 92.5° | 70.7 | 56.7 | 70.7 | 84.8 | 88.3 | 125.2 | 174.4 | 199.0 | 174.7 | 126.1 | 89.7 |
| 95° | 246.7 | 204.1 | 246.7 | 289.3 | 299.9 | 393.8 | 519.1 | 581.7 | 491.3 | 310.4 | 174.8 |
| 97.5° | 591.1 | 510.1 | 591.1 | 672.1 | 692.4 | 751.8 | 830.9 | 870.5 | 719.7 | 418.2 | 192.0 |
| 100° | 851.6 | 755.1 | 851.6 | 948.2 | 972.3 | 968.0 | 962.2 | 959.3 | 792.0 | 457.4 | 206.5 |
| 102.5° | 1108.0 | 1025.3 | 1108.0 | 1190.6 | 1211.3 | 1135.7 | 1034.8 | 984.4 | 814.7 | 475.4 | 220.9 |
| 105° | 1434.7 | 1390.3 | 1434.7 | 1479.2 | 1490.3 | 1320.7 | 1094.6 | 981.6 | 817.3 | 488.7 | 242.3 |
| 107.5° | 1648.8 | 1659.5 | 1648.8 | 1638.1 | 1635.4 | 1398.9 | 1083.5 | 925.8 | 780.9 | 491.2 | 273.9 |
| 110° | 1730.4 | 1776.7 | 1730.4 | 1684.2 | 1672.6 | 1408.2 | 1055.6 | 879.3 | 748.7 | 487.4 | 291.5 |



TEST NUMBER: P934615

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 112.5° | 1737.7 | 1808.8 | 1737.7 | 1666.6 | 1648.8 | 1378.2 | 1017.4 | 837.0 | 720.5 | 487.6 | 312.9 |
| 115° | 1691.6 | 1790.2 | 1691.6 | 1593.0 | 1568.4 | 1307.7 | 960.1 | 786.3 | 688.2 | 492.1 | 345.0 |
| 117.5° | 1593.9 | 1703.2 | 1593.9 | 1484.6 | 1457.3 | 1222.0 | 908.3 | 751.4 | 668.0 | 501.3 | 376.2 |
| 120° | 1515.2 | 1621.4 | 1515.2 | 1409.0 | 1382.4 | 1167.4 | 880.8 | 737.5 | 661.2 | 508.7 | 394.3 |
| 122.5° | 1438.5 | 1543.3 | 1438.5 | 1333.7 | 1307.5 | 1113.9 | 855.8 | 726.8 | 657.7 | 519.4 | 415.7 |
| 125° | 1329.2 | 1425.7 | 1329.2 | 1232.6 | 1208.5 | 1044.1 | 824.8 | 715.2 | 654.7 | 533.8 | 443.1 |
| 127.5° | 1230.8 | 1312.2 | 1230.8 | 1149.4 | 1129.0 | 987.8 | 799.5 | 705.4 | 653.0 | 548.2 | 469.6 |
| 130° | 1172.8 | 1248.0 | 1172.8 | 1097.6 | 1078.8 | 953.1 | 785.5 | 701.7 | 654.1 | 558.8 | 487.3 |
| 132.5° | 1120.2 | 1187.6 | 1120.2 | 1052.8 | 1036.0 | 923.5 | 773.4 | 698.4 | 654.7 | 567.3 | 501.7 |
| 135° | 1048.1 | 1106.2 | 1048.1 | 990.0 | 975.5 | 881.3 | 755.6 | 692.8 | 654.1 | 576.6 | 518.5 |
| 137.5° | 990.3 | 1037.9 | 990.3 | 942.8 | 930.9 | 851.2 | 745.0 | 691.9 | 658.1 | 590.5 | 539.8 |
| 140° | 950.7 | 995.1 | 950.7 | 906.2 | 895.1 | 826.3 | 734.5 | 688.6 | 658.8 | 599.1 | 554.3 |
| 142.5° | 917.8 | 956.0 | 917.8 | 879.6 | 870.0 | 809.5 | 728.9 | 688.6 | 661.1 | 606.2 | 565.0 |
| 145° | 868.5 | 897.4 | 868.5 | 839.5 | 832.3 | 782.9 | 717.0 | 684.0 | 661.2 | 615.5 | 581.2 |
| 147.5° | 830.6 | 854.6 | 830.6 | 806.7 | 800.7 | 761.8 | 709.9 | 684.0 | 665.7 | 629.1 | 601.7 |
| 150° | 806.9 | 826.3 | 806.9 | 787.5 | 782.6 | 749.7 | 705.9 | 684.0 | 668.1 | 636.3 | 612.4 |
| 152.5° | 786.5 | 801.2 | 786.5 | 771.9 | 768.2 | 740.1 | 702.7 | 684.0 | 669.6 | 640.9 | 619.4 |
| 155° | 763.1 | 772.8 | 763.1 | 753.4 | 751.0 | 728.7 | 698.9 | 684.0 | 673.0 | 651.1 | 634.7 |
| 157.5° | 744.6 | 751.4 | 744.6 | 737.8 | 736.1 | 718.7 | 695.6 | 684.0 | 676.5 | 661.4 | 650.1 |
| 160° | 733.5 | 737.5 | 733.5 | 729.6 | 728.6 | 713.7 | 693.9 | 684.0 | 678.0 | 666.0 | 657.0 |
| 162.5° | 726.3 | 730.0 | 726.3 | 722.6 | 721.7 | 709.1 | 692.4 | 684.0 | 679.7 | 671.0 | 664.5 |
| 165° | 715.9 | 719.8 | 715.9 | 712.0 | 711.0 | 702.0 | 690.0 | 684.0 | 682.0 | 678.1 | 675.2 |
| 167.5° | 708.4 | 710.0 | 708.4 | 706.7 | 706.3 | 700.4 | 692.5 | 688.6 | 687.0 | 683.7 | 681.2 |
| 170° | 706.3 | 706.3 | 706.3 | 706.3 | 706.3 | 700.4 | 692.5 | 688.6 | 688.5 | 688.3 | 688.2 |
| 172.5° | 700.8 | 699.3 | 700.8 | 702.2 | 702.6 | 697.9 | 691.7 | 688.6 | 688.6 | 688.6 | 688.6 |
| 175° | 697.5 | 697.5 | 697.5 | 697.5 | 697.5 | 694.5 | 690.6 | 688.6 | 689.5 | 691.4 | 692.8 |
| 177.5° | 694.5 | 692.8 | 694.5 | 696.2 | 696.6 | 694.3 | 691.2 | 689.6 | 690.3 | 691.7 | 692.8 |
| 180° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 |



TEST NUMBER: P934615
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 |
| 2.5° | 1078.4 | 1072.4 | 1072.4 | 1062.3 | 1058.3 | 1055.3 | 1050.2 | 1035.2 | 1031.1 | 1027.1 | 1033.1 |
| 5° | 1087.5 | 1076.4 | 1068.3 | 1050.2 | 1035.2 | 1029.1 | 1010.0 | 973.8 | 949.6 | 931.5 | 921.5 |
| 7.5° | 1089.5 | 1075.4 | 1060.3 | 1032.1 | 995.9 | 979.8 | 921.5 | 855.1 | 837.0 | 820.9 | 810.8 |
| 10° | 1087.5 | 1071.4 | 1050.2 | 1008.0 | 922.5 | 894.3 | 836.0 | 792.7 | 781.6 | 778.6 | 781.6 |
| 12.5° | 1080.4 | 1065.3 | 1036.2 | 965.7 | 846.0 | 826.9 | 792.7 | 767.6 | 765.5 | 770.6 | 797.7 |
| 15° | 1068.3 | 1054.3 | 1020.1 | 909.4 | 803.8 | 789.7 | 765.5 | 756.5 | 767.6 | 802.8 | 884.3 |
| 17.5° | 1056.3 | 1040.2 | 997.9 | 854.1 | 771.6 | 761.5 | 744.4 | 762.5 | 824.9 | 872.2 | 899.3 |
| 20° | 1040.2 | 1021.1 | 972.8 | 813.8 | 748.4 | 739.4 | 731.3 | 812.8 | 860.1 | 877.2 | 892.3 |
| 22.5° | 1021.1 | 1000.9 | 938.6 | 785.7 | 724.3 | 717.3 | 722.3 | 841.0 | 860.1 | 872.2 | 885.3 |
| 25° | 995.9 | 978.8 | 898.3 | 763.5 | 705.2 | 697.1 | 716.3 | 838.0 | 849.0 | 852.1 | 878.2 |
| 27.5° | 972.8 | 950.6 | 856.1 | 743.4 | 682.1 | 679.0 | 721.3 | 824.9 | 833.0 | 836.0 | 864.1 |
| 30° | 944.6 | 911.4 | 808.8 | 722.3 | 657.9 | 656.9 | 722.3 | 808.8 | 806.8 | 814.8 | 843.0 |
| 32.5° | 915.4 | 853.1 | 755.5 | 696.1 | 634.8 | 633.8 | 715.3 | 784.7 | 782.7 | 793.7 | 814.8 |
| 35° | 888.3 | 807.8 | 683.1 | 666.0 | 605.6 | 606.6 | 698.1 | 756.5 | 757.5 | 767.6 | 780.6 |
| 37.5° | 860.1 | 768.6 | 603.6 | 632.8 | 577.4 | 577.4 | 675.0 | 730.3 | 728.3 | 731.3 | 749.5 |
| 40° | 826.9 | 707.2 | 533.2 | 589.5 | 551.3 | 548.3 | 646.8 | 702.2 | 695.1 | 694.1 | 719.3 |
| 42.5° | 791.7 | 639.8 | 480.9 | 532.2 | 521.1 | 517.1 | 612.6 | 668.0 | 654.9 | 657.9 | 690.1 |
| 45° | 753.5 | 621.7 | 440.6 | 449.7 | 489.9 | 486.9 | 575.4 | 628.7 | 619.7 | 627.7 | 660.9 |
| 47.5° | 715.3 | 585.5 | 427.5 | 373.2 | 456.7 | 455.7 | 534.2 | 590.5 | 585.5 | 593.5 | 628.7 |
| 50° | 662.9 | 545.2 | 426.5 | 319.9 | 419.5 | 423.5 | 484.9 | 553.3 | 553.3 | 560.3 | 597.6 |
| 52.5° | 595.5 | 495.9 | 387.3 | 289.7 | 376.2 | 388.3 | 441.6 | 521.1 | 523.1 | 530.2 | 563.3 |
| 55° | 534.2 | 444.6 | 359.1 | 266.6 | 324.9 | 351.1 | 399.4 | 487.9 | 491.9 | 499.0 | 529.1 |
| 57.5° | 477.8 | 370.2 | 353.1 | 239.4 | 277.7 | 302.8 | 362.2 | 455.7 | 457.7 | 463.8 | 492.9 |
| 60° | 417.5 | 267.6 | 323.9 | 210.2 | 236.4 | 255.5 | 327.9 | 417.5 | 424.5 | 428.5 | 453.7 |
| 62.5° | 349.1 | 194.2 | 293.7 | 190.1 | 216.3 | 220.3 | 299.8 | 381.3 | 390.3 | 393.3 | 408.4 |
| 65° | 248.5 | 163.0 | 249.5 | 173.0 | 195.2 | 196.2 | 269.6 | 344.0 | 352.1 | 357.1 | 368.2 |
| 67.5° | 168.0 | 132.8 | 190.1 | 156.9 | 179.1 | 180.1 | 240.4 | 300.8 | 311.9 | 315.9 | 322.9 |
| 70° | 116.7 | 88.5 | 140.8 | 139.8 | 161.0 | 163.0 | 209.2 | 261.6 | 271.6 | 274.6 | 278.7 |
| 72.5° | 85.5 | 71.4 | 116.7 | 125.7 | 141.8 | 143.9 | 177.1 | 217.3 | 227.4 | 230.4 | 232.4 |
| 75° | 65.4 | 75.4 | 94.6 | 109.7 | 120.7 | 121.7 | 144.9 | 177.1 | 184.1 | 186.1 | 187.1 |
| 77.5° | 52.3 | 70.4 | 69.4 | 88.5 | 98.6 | 96.6 | 113.7 | 136.8 | 142.8 | 142.8 | 142.8 |
| 80° | 39.2 | 55.3 | 52.3 | 63.4 | 72.4 | 70.4 | 81.5 | 97.6 | 99.6 | 101.6 | 100.6 |
| 82.5° | 29.2 | 35.2 | 35.2 | 40.2 | 48.3 | 46.3 | 54.3 | 63.4 | 63.4 | 63.4 | 65.4 |
| 85° | 18.1 | 20.1 | 16.1 | 21.1 | 27.2 | 26.2 | 30.2 | 34.2 | 35.2 | 35.2 | 33.2 |
| 87.5° | 11.1 | 9.1 | 5.0 | 8.0 | 12.1 | 12.1 | 14.1 | 15.1 | 14.1 | 14.1 | 14.1 |
| 90° | 12.1 | 8.3 | 4.6 | 8.3 | 12.1 | 13.0 | 20.4 | 30.3 | 35.3 | 31.4 | 23.6 |
| 92.5° | 81.8 | 50.2 | 18.6 | 50.2 | 81.8 | 89.7 | 126.1 | 174.7 | 199.0 | 174.4 | 125.2 |
| 95° | 160.3 | 102.5 | 44.6 | 102.5 | 160.3 | 174.8 | 310.4 | 491.3 | 581.7 | 519.1 | 393.8 |
| 97.5° | 179.2 | 128.2 | 77.2 | 128.2 | 179.2 | 192.0 | 418.2 | 719.7 | 870.5 | 830.9 | 751.8 |
| 100° | 194.9 | 148.6 | 102.3 | 148.6 | 194.9 | 206.5 | 457.4 | 792.0 | 959.3 | 962.2 | 968.0 |
| 102.5° | 210.1 | 166.9 | 123.7 | 166.9 | 210.1 | 220.9 | 475.4 | 814.7 | 984.4 | 1034.8 | 1135.7 |
| 105° | 233.2 | 196.6 | 160.0 | 196.6 | 233.2 | 242.3 | 488.7 | 817.3 | 981.6 | 1094.6 | 1320.7 |
| 107.5° | 265.4 | 231.3 | 197.2 | 231.3 | 265.4 | 273.9 | 491.2 | 780.9 | 925.8 | 1083.5 | 1398.9 |
| 110° | 283.8 | 253.1 | 222.3 | 253.1 | 283.8 | 291.5 | 487.4 | 748.7 | 879.3 | 1055.6 | 1408.2 |



TEST NUMBER: P934615

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|--------|
| 112.5° | 305.6 | 276.2 | 246.9 | 276.2 | 305.6 | 312.9 | 487.6 | 720.5 | 837.0 | 1017.4 | 1378.2 |
| 115° | 338.2 | 311.2 | 284.1 | 311.2 | 338.2 | 345.0 | 492.1 | 688.2 | 786.3 | 960.1 | 1307.7 |
| 117.5° | 370.0 | 345.4 | 320.8 | 345.4 | 370.0 | 376.2 | 501.3 | 668.0 | 751.4 | 908.3 | 1222.0 |
| 120° | 388.5 | 365.4 | 342.2 | 365.4 | 388.5 | 394.3 | 508.7 | 661.2 | 737.5 | 880.8 | 1167.4 |
| 122.5° | 409.9 | 386.5 | 363.2 | 386.5 | 409.9 | 415.7 | 519.4 | 657.7 | 726.8 | 855.8 | 1113.9 |
| 125° | 437.8 | 416.5 | 395.2 | 416.5 | 437.8 | 443.1 | 533.8 | 654.7 | 715.2 | 824.8 | 1044.1 |
| 127.5° | 464.2 | 442.8 | 421.3 | 442.8 | 464.2 | 469.6 | 548.2 | 653.0 | 705.4 | 799.5 | 987.8 |
| 130° | 481.5 | 458.4 | 435.2 | 458.4 | 481.5 | 487.3 | 558.8 | 654.1 | 701.7 | 785.5 | 953.1 |
| 132.5° | 495.9 | 472.8 | 449.6 | 472.8 | 495.9 | 501.7 | 567.3 | 654.7 | 698.4 | 773.4 | 923.5 |
| 135° | 513.2 | 492.1 | 471.0 | 492.1 | 513.2 | 518.5 | 576.6 | 654.1 | 692.8 | 755.6 | 881.3 |
| 137.5° | 534.6 | 513.7 | 492.9 | 513.7 | 534.6 | 539.8 | 590.5 | 658.1 | 691.9 | 745.0 | 851.2 |
| 140° | 549.5 | 530.2 | 511.0 | 530.2 | 549.5 | 554.3 | 599.1 | 658.8 | 688.6 | 734.5 | 826.3 |
| 142.5° | 560.6 | 542.8 | 525.0 | 542.8 | 560.6 | 565.0 | 606.2 | 661.1 | 688.6 | 728.9 | 809.5 |
| 145° | 577.3 | 561.9 | 546.4 | 561.9 | 577.3 | 581.2 | 615.5 | 661.2 | 684.0 | 717.0 | 782.9 |
| 147.5° | 597.9 | 582.8 | 567.7 | 582.8 | 597.9 | 601.7 | 629.1 | 665.7 | 684.0 | 709.9 | 761.8 |
| 150° | 609.0 | 595.3 | 581.7 | 595.3 | 609.0 | 612.4 | 636.3 | 668.1 | 684.0 | 705.9 | 749.7 |
| 152.5° | 616.8 | 606.5 | 596.1 | 606.5 | 616.8 | 619.4 | 640.9 | 669.6 | 684.0 | 702.7 | 740.1 |
| 155° | 632.8 | 625.1 | 617.5 | 625.1 | 632.8 | 634.7 | 651.1 | 673.0 | 684.0 | 698.9 | 728.7 |
| 157.5° | 648.2 | 640.8 | 633.3 | 640.8 | 648.2 | 650.1 | 661.4 | 676.5 | 684.0 | 695.6 | 718.7 |
| 160° | 655.6 | 649.8 | 644.0 | 649.8 | 655.6 | 657.0 | 666.0 | 678.0 | 684.0 | 693.9 | 713.7 |
| 162.5° | 663.4 | 659.1 | 654.7 | 659.1 | 663.4 | 664.5 | 671.0 | 679.7 | 684.0 | 692.4 | 709.1 |
| 165° | 674.2 | 670.3 | 666.3 | 670.3 | 674.2 | 675.2 | 678.1 | 682.0 | 684.0 | 690.0 | 702.0 |
| 167.5° | 680.7 | 678.9 | 677.0 | 678.9 | 680.7 | 681.2 | 683.7 | 687.0 | 688.6 | 692.5 | 700.4 |
| 170° | 687.7 | 685.9 | 684.0 | 685.9 | 687.7 | 688.2 | 688.3 | 688.5 | 688.6 | 692.5 | 700.4 |
| 172.5° | 688.5 | 688.1 | 687.7 | 688.1 | 688.5 | 688.6 | 688.6 | 688.6 | 688.6 | 691.7 | 697.9 |
| 175° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 691.4 | 689.5 | 688.6 | 690.6 | 694.5 |
| 177.5° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 691.7 | 690.3 | 689.6 | 691.2 | 694.3 |
| 180° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 |



TEST NUMBER: P934615
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 |
| 2.5° | 1026.1 | 1023.1 | 1027.1 | 1016.0 | 1027.1 | 1023.1 | 1026.1 | 1033.1 | 1027.1 | 1031.1 | 1035.2 |
| 5° | 900.4 | 895.3 | 879.2 | 866.1 | 879.2 | 895.3 | 900.4 | 921.5 | 931.5 | 949.6 | 973.8 |
| 7.5° | 804.8 | 800.8 | 796.7 | 788.7 | 796.7 | 800.8 | 804.8 | 810.8 | 820.9 | 837.0 | 855.1 |
| 10° | 783.7 | 784.7 | 790.7 | 789.7 | 790.7 | 784.7 | 783.7 | 781.6 | 778.6 | 781.6 | 792.7 |
| 12.5° | 838.0 | 847.0 | 880.2 | 878.2 | 880.2 | 847.0 | 838.0 | 797.7 | 770.6 | 765.5 | 767.6 |
| 15° | 900.4 | 903.4 | 910.4 | 911.4 | 910.4 | 903.4 | 900.4 | 884.3 | 802.8 | 767.6 | 756.5 |
| 17.5° | 906.4 | 907.4 | 912.4 | 912.4 | 912.4 | 907.4 | 906.4 | 899.3 | 872.2 | 824.9 | 762.5 |
| 20° | 901.4 | 903.4 | 913.4 | 915.4 | 913.4 | 903.4 | 901.4 | 892.3 | 877.2 | 860.1 | 812.8 |
| 22.5° | 899.3 | 903.4 | 911.4 | 910.4 | 911.4 | 903.4 | 899.3 | 885.3 | 872.2 | 860.1 | 841.0 |
| 25° | 889.3 | 889.3 | 890.3 | 891.3 | 890.3 | 889.3 | 889.3 | 878.2 | 852.1 | 849.0 | 838.0 |
| 27.5° | 868.2 | 870.2 | 876.2 | 875.2 | 876.2 | 870.2 | 868.2 | 864.1 | 836.0 | 833.0 | 824.9 |
| 30° | 849.0 | 847.0 | 842.0 | 838.0 | 842.0 | 847.0 | 849.0 | 843.0 | 814.8 | 806.8 | 808.8 |
| 32.5° | 816.9 | 811.8 | 806.8 | 803.8 | 806.8 | 811.8 | 816.9 | 814.8 | 793.7 | 782.7 | 784.7 |
| 35° | 778.6 | 779.6 | 778.6 | 775.6 | 778.6 | 779.6 | 778.6 | 780.6 | 767.6 | 757.5 | 756.5 |
| 37.5° | 751.5 | 753.5 | 752.5 | 748.4 | 752.5 | 753.5 | 751.5 | 749.5 | 731.3 | 728.3 | 730.3 |
| 40° | 723.3 | 724.3 | 723.3 | 720.3 | 723.3 | 724.3 | 723.3 | 719.3 | 694.1 | 695.1 | 702.2 |
| 42.5° | 696.1 | 695.1 | 692.1 | 690.1 | 692.1 | 695.1 | 696.1 | 690.1 | 657.9 | 654.9 | 668.0 |
| 45° | 665.0 | 666.0 | 659.9 | 656.9 | 659.9 | 666.0 | 665.0 | 660.9 | 627.7 | 619.7 | 628.7 |
| 47.5° | 633.8 | 633.8 | 628.7 | 625.7 | 628.7 | 633.8 | 633.8 | 628.7 | 593.5 | 585.5 | 590.5 |
| 50° | 600.6 | 599.6 | 592.5 | 591.5 | 592.5 | 599.6 | 600.6 | 597.6 | 560.3 | 553.3 | 553.3 |
| 52.5° | 562.3 | 562.3 | 563.3 | 565.4 | 563.3 | 562.3 | 562.3 | 563.3 | 530.2 | 523.1 | 521.1 |
| 55° | 529.1 | 530.2 | 537.2 | 539.2 | 537.2 | 530.2 | 529.1 | 529.1 | 499.0 | 491.9 | 487.9 |
| 57.5° | 494.9 | 494.9 | 500.0 | 500.0 | 500.0 | 494.9 | 494.9 | 492.9 | 463.8 | 457.7 | 455.7 |
| 60° | 455.7 | 457.7 | 461.7 | 460.7 | 461.7 | 457.7 | 455.7 | 453.7 | 428.5 | 424.5 | 417.5 |
| 62.5° | 414.5 | 416.5 | 417.5 | 415.5 | 417.5 | 416.5 | 414.5 | 408.4 | 393.3 | 390.3 | 381.3 |
| 65° | 371.2 | 373.2 | 374.2 | 372.2 | 374.2 | 373.2 | 371.2 | 368.2 | 357.1 | 352.1 | 344.0 |
| 67.5° | 326.9 | 325.9 | 324.9 | 329.0 | 324.9 | 325.9 | 326.9 | 322.9 | 315.9 | 311.9 | 300.8 |
| 70° | 281.7 | 281.7 | 280.7 | 282.7 | 280.7 | 281.7 | 281.7 | 278.7 | 274.6 | 271.6 | 261.6 |
| 72.5° | 233.4 | 232.4 | 236.4 | 233.4 | 236.4 | 232.4 | 233.4 | 232.4 | 230.4 | 227.4 | 217.3 |
| 75° | 186.1 | 188.1 | 186.1 | 189.1 | 186.1 | 188.1 | 186.1 | 187.1 | 186.1 | 184.1 | 177.1 |
| 77.5° | 141.8 | 143.9 | 141.8 | 141.8 | 141.8 | 143.9 | 141.8 | 142.8 | 142.8 | 142.8 | 136.8 |
| 80° | 100.6 | 99.6 | 99.6 | 98.6 | 99.6 | 99.6 | 100.6 | 100.6 | 101.6 | 99.6 | 97.6 |
| 82.5° | 64.4 | 63.4 | 63.4 | 65.4 | 63.4 | 63.4 | 64.4 | 65.4 | 63.4 | 63.4 | 63.4 |
| 85° | 35.2 | 36.2 | 34.2 | 34.2 | 34.2 | 36.2 | 35.2 | 33.2 | 35.2 | 35.2 | 34.2 |
| 87.5° | 13.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 13.1 | 14.1 | 14.1 | 14.1 | 15.1 |
| 90° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 23.6 | 31.4 | 35.3 | 30.3 |
| 92.5° | 88.3 | 84.8 | 70.7 | 56.7 | 70.7 | 84.8 | 88.3 | 125.2 | 174.4 | 199.0 | 174.7 |
| 95° | 299.9 | 289.3 | 246.7 | 204.1 | 246.7 | 289.3 | 299.9 | 393.8 | 519.1 | 581.7 | 491.3 |
| 97.5° | 692.4 | 672.1 | 591.1 | 510.1 | 591.1 | 672.1 | 692.4 | 751.8 | 830.9 | 870.5 | 719.7 |
| 100° | 972.3 | 948.2 | 851.6 | 755.1 | 851.6 | 948.2 | 972.3 | 968.0 | 962.2 | 959.3 | 792.0 |
| 102.5° | 1211.3 | 1190.6 | 1108.0 | 1025.3 | 1108.0 | 1190.6 | 1211.3 | 1135.7 | 1034.8 | 984.4 | 814.7 |
| 105° | 1490.3 | 1479.2 | 1434.7 | 1390.3 | 1434.7 | 1479.2 | 1490.3 | 1320.7 | 1094.6 | 981.6 | 817.3 |
| 107.5° | 1635.4 | 1638.1 | 1648.8 | 1659.5 | 1648.8 | 1638.1 | 1635.4 | 1398.9 | 1083.5 | 925.8 | 780.9 |
| 110° | 1672.6 | 1684.2 | 1730.4 | 1776.7 | 1730.4 | 1684.2 | 1672.6 | 1408.2 | 1055.6 | 879.3 | 748.7 |



TEST NUMBER: P934615

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 112.5° | 1648.8 | 1666.6 | 1737.7 | 1808.8 | 1737.7 | 1666.6 | 1648.8 | 1378.2 | 1017.4 | 837.0 | 720.5 |
| 115° | 1568.4 | 1593.0 | 1691.6 | 1790.2 | 1691.6 | 1593.0 | 1568.4 | 1307.7 | 960.1 | 786.3 | 688.2 |
| 117.5° | 1457.3 | 1484.6 | 1593.9 | 1703.2 | 1593.9 | 1484.6 | 1457.3 | 1222.0 | 908.3 | 751.4 | 668.0 |
| 120° | 1382.4 | 1409.0 | 1515.2 | 1621.4 | 1515.2 | 1409.0 | 1382.4 | 1167.4 | 880.8 | 737.5 | 661.2 |
| 122.5° | 1307.5 | 1333.7 | 1438.5 | 1543.3 | 1438.5 | 1333.7 | 1307.5 | 1113.9 | 855.8 | 726.8 | 657.7 |
| 125° | 1208.5 | 1232.6 | 1329.2 | 1425.7 | 1329.2 | 1232.6 | 1208.5 | 1044.1 | 824.8 | 715.2 | 654.7 |
| 127.5° | 1129.0 | 1149.4 | 1230.8 | 1312.2 | 1230.8 | 1149.4 | 1129.0 | 987.8 | 799.5 | 705.4 | 653.0 |
| 130° | 1078.8 | 1097.6 | 1172.8 | 1248.0 | 1172.8 | 1097.6 | 1078.8 | 953.1 | 785.5 | 701.7 | 654.1 |
| 132.5° | 1036.0 | 1052.8 | 1120.2 | 1187.6 | 1120.2 | 1052.8 | 1036.0 | 923.5 | 773.4 | 698.4 | 654.7 |
| 135° | 975.5 | 990.0 | 1048.1 | 1106.2 | 1048.1 | 990.0 | 975.5 | 881.3 | 755.6 | 692.8 | 654.1 |
| 137.5° | 930.9 | 942.8 | 990.3 | 1037.9 | 990.3 | 942.8 | 930.9 | 851.2 | 745.0 | 691.9 | 658.1 |
| 140° | 895.1 | 906.2 | 950.7 | 995.1 | 950.7 | 906.2 | 895.1 | 826.3 | 734.5 | 688.6 | 658.8 |
| 142.5° | 870.0 | 879.6 | 917.8 | 956.0 | 917.8 | 879.6 | 870.0 | 809.5 | 728.9 | 688.6 | 661.1 |
| 145° | 832.3 | 839.5 | 868.5 | 897.4 | 868.5 | 839.5 | 832.3 | 782.9 | 717.0 | 684.0 | 661.2 |
| 147.5° | 800.7 | 806.7 | 830.6 | 854.6 | 830.6 | 806.7 | 800.7 | 761.8 | 709.9 | 684.0 | 665.7 |
| 150° | 782.6 | 787.5 | 806.9 | 826.3 | 806.9 | 787.5 | 782.6 | 749.7 | 705.9 | 684.0 | 668.1 |
| 152.5° | 768.2 | 771.9 | 786.5 | 801.2 | 786.5 | 771.9 | 768.2 | 740.1 | 702.7 | 684.0 | 669.6 |
| 155° | 751.0 | 753.4 | 763.1 | 772.8 | 763.1 | 753.4 | 751.0 | 728.7 | 698.9 | 684.0 | 673.0 |
| 157.5° | 736.1 | 737.8 | 744.6 | 751.4 | 744.6 | 737.8 | 736.1 | 718.7 | 695.6 | 684.0 | 676.5 |
| 160° | 728.6 | 729.6 | 733.5 | 737.5 | 733.5 | 729.6 | 728.6 | 713.7 | 693.9 | 684.0 | 678.0 |
| 162.5° | 721.7 | 722.6 | 726.3 | 730.0 | 726.3 | 722.6 | 721.7 | 709.1 | 692.4 | 684.0 | 679.7 |
| 165° | 711.0 | 712.0 | 715.9 | 719.8 | 715.9 | 712.0 | 711.0 | 702.0 | 690.0 | 684.0 | 682.0 |
| 167.5° | 706.3 | 706.7 | 708.4 | 710.0 | 708.4 | 706.7 | 706.3 | 700.4 | 692.5 | 688.6 | 687.0 |
| 170° | 706.3 | 706.3 | 706.3 | 706.3 | 706.3 | 706.3 | 706.3 | 700.4 | 692.5 | 688.6 | 688.5 |
| 172.5° | 702.6 | 702.2 | 700.8 | 699.3 | 700.8 | 702.2 | 702.6 | 697.9 | 691.7 | 688.6 | 688.6 |
| 175° | 697.5 | 697.5 | 697.5 | 697.5 | 697.5 | 697.5 | 697.5 | 694.5 | 690.6 | 688.6 | 689.5 |
| 177.5° | 696.6 | 696.2 | 694.5 | 692.8 | 694.5 | 696.2 | 696.6 | 694.3 | 691.2 | 689.6 | 690.3 |
| 180° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 |



TEST NUMBER: P934615

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1063.3 | 1063.3 | 1063.3 | 1063.3 | 1063.3 |
| 2.5° | 1050.2 | 1055.3 | 1058.3 | 1062.3 | 1072.4 |
| 5° | 1010.0 | 1029.1 | 1035.2 | 1050.2 | 1068.3 |
| 7.5° | 921.5 | 979.8 | 995.9 | 1032.1 | 1060.3 |
| 10° | 836.0 | 894.3 | 922.5 | 1008.0 | 1050.2 |
| 12.5° | 792.7 | 826.9 | 846.0 | 965.7 | 1036.2 |
| 15° | 765.5 | 789.7 | 803.8 | 909.4 | 1020.1 |
| 17.5° | 744.4 | 761.5 | 771.6 | 854.1 | 997.9 |
| 20° | 731.3 | 739.4 | 748.4 | 813.8 | 972.8 |
| 22.5° | 722.3 | 717.3 | 724.3 | 785.7 | 938.6 |
| 25° | 716.3 | 697.1 | 705.2 | 763.5 | 898.3 |
| 27.5° | 721.3 | 679.0 | 682.1 | 743.4 | 856.1 |
| 30° | 722.3 | 656.9 | 657.9 | 722.3 | 808.8 |
| 32.5° | 715.3 | 633.8 | 634.8 | 696.1 | 755.5 |
| 35° | 698.1 | 606.6 | 605.6 | 666.0 | 683.1 |
| 37.5° | 675.0 | 577.4 | 577.4 | 632.8 | 603.6 |
| 40° | 646.8 | 548.3 | 551.3 | 589.5 | 533.2 |
| 42.5° | 612.6 | 517.1 | 521.1 | 532.2 | 480.9 |
| 45° | 575.4 | 486.9 | 489.9 | 449.7 | 440.6 |
| 47.5° | 534.2 | 455.7 | 456.7 | 373.2 | 427.5 |
| 50° | 484.9 | 423.5 | 419.5 | 319.9 | 426.5 |
| 52.5° | 441.6 | 388.3 | 376.2 | 289.7 | 387.3 |
| 55° | 399.4 | 351.1 | 324.9 | 266.6 | 359.1 |
| 57.5° | 362.2 | 302.8 | 277.7 | 239.4 | 353.1 |
| 60° | 327.9 | 255.5 | 236.4 | 210.2 | 323.9 |
| 62.5° | 299.8 | 220.3 | 216.3 | 190.1 | 293.7 |
| 65° | 269.6 | 196.2 | 195.2 | 173.0 | 249.5 |
| 67.5° | 240.4 | 180.1 | 179.1 | 156.9 | 190.1 |
| 70° | 209.2 | 163.0 | 161.0 | 139.8 | 140.8 |
| 72.5° | 177.1 | 143.9 | 141.8 | 125.7 | 116.7 |
| 75° | 144.9 | 121.7 | 120.7 | 109.7 | 94.6 |
| 77.5° | 113.7 | 96.6 | 98.6 | 88.5 | 69.4 |
| 80° | 81.5 | 70.4 | 72.4 | 63.4 | 52.3 |
| 82.5° | 54.3 | 46.3 | 48.3 | 40.2 | 35.2 |
| 85° | 30.2 | 26.2 | 27.2 | 21.1 | 16.1 |
| 87.5° | 14.1 | 12.1 | 12.1 | 8.0 | 5.0 |
| 90° | 20.4 | 13.0 | 12.1 | 8.3 | 4.6 |
| 92.5° | 126.1 | 89.7 | 81.8 | 50.2 | 18.6 |
| 95° | 310.4 | 174.8 | 160.3 | 102.5 | 44.6 |
| 97.5° | 418.2 | 192.0 | 179.2 | 128.2 | 77.2 |
| 100° | 457.4 | 206.5 | 194.9 | 148.6 | 102.3 |
| 102.5° | 475.4 | 220.9 | 210.1 | 166.9 | 123.7 |
| 105° | 488.7 | 242.3 | 233.2 | 196.6 | 160.0 |
| 107.5° | 491.2 | 273.9 | 265.4 | 231.3 | 197.2 |
| 110° | 487.4 | 291.5 | 283.8 | 253.1 | 222.3 |



TEST NUMBER: P934615

CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 487.6 | 312.9 | 305.6 | 276.2 | 246.9 |
| 115° | 492.1 | 345.0 | 338.2 | 311.2 | 284.1 |
| 117.5° | 501.3 | 376.2 | 370.0 | 345.4 | 320.8 |
| 120° | 508.7 | 394.3 | 388.5 | 365.4 | 342.2 |
| 122.5° | 519.4 | 415.7 | 409.9 | 386.5 | 363.2 |
| 125° | 533.8 | 443.1 | 437.8 | 416.5 | 395.2 |
| 127.5° | 548.2 | 469.6 | 464.2 | 442.8 | 421.3 |
| 130° | 558.8 | 487.3 | 481.5 | 458.4 | 435.2 |
| 132.5° | 567.3 | 501.7 | 495.9 | 472.8 | 449.6 |
| 135° | 576.6 | 518.5 | 513.2 | 492.1 | 471.0 |
| 137.5° | 590.5 | 539.8 | 534.6 | 513.7 | 492.9 |
| 140° | 599.1 | 554.3 | 549.5 | 530.2 | 511.0 |
| 142.5° | 606.2 | 565.0 | 560.6 | 542.8 | 525.0 |
| 145° | 615.5 | 581.2 | 577.3 | 561.9 | 546.4 |
| 147.5° | 629.1 | 601.7 | 597.9 | 582.8 | 567.7 |
| 150° | 636.3 | 612.4 | 609.0 | 595.3 | 581.7 |
| 152.5° | 640.9 | 619.4 | 616.8 | 606.5 | 596.1 |
| 155° | 651.1 | 634.7 | 632.8 | 625.1 | 617.5 |
| 157.5° | 661.4 | 650.1 | 648.2 | 640.8 | 633.3 |
| 160° | 666.0 | 657.0 | 655.6 | 649.8 | 644.0 |
| 162.5° | 671.0 | 664.5 | 663.4 | 659.1 | 654.7 |
| 165° | 678.1 | 675.2 | 674.2 | 670.3 | 666.3 |
| 167.5° | 683.7 | 681.2 | 680.7 | 678.9 | 677.0 |
| 170° | 688.3 | 688.2 | 687.7 | 685.9 | 684.0 |
| 172.5° | 688.6 | 688.6 | 688.5 | 688.1 | 687.7 |
| 175° | 691.4 | 692.8 | 692.8 | 692.8 | 692.8 |
| 177.5° | 691.7 | 692.8 | 692.8 | 692.8 | 692.8 |
| 180° | 692.8 | 692.8 | 692.8 | 692.8 | 692.8 |



TEST NUMBER: P934615
 CATALOG NUMBER: SQ4-FA-075U-050D-835-1D-UNV-STD-W-6

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 | 10.13 | 10.89 | 11.18 | 11.95 | 13.38 | 12.96 | 13.72 | 14.01 | 14.78 | 16.21 |
| | 3H | 10.60 | 11.28 | 11.66 | 12.35 | 13.80 | 14.29 | 14.98 | 15.35 | 16.04 | 17.49 |
| | 4H | 10.79 | 11.43 | 11.86 | 12.50 | 13.96 | 14.73 | 15.38 | 15.80 | 16.45 | 17.90 |
| | 6H | 10.90 | 11.50 | 11.98 | 12.57 | 14.04 | 15.01 | 15.60 | 16.09 | 16.68 | 18.15 |
| | 8H | 10.90 | 11.47 | 11.99 | 12.55 | 14.02 | 15.08 | 15.65 | 16.17 | 16.73 | 18.20 |
| | 12H | 10.87 | 11.41 | 11.96 | 12.49 | 13.97 | 15.11 | 15.65 | 16.21 | 16.73 | 18.22 |
| 4H | 2H | 11.15 | 11.80 | 12.23 | 12.87 | 14.32 | 13.35 | 14.00 | 14.43 | 15.07 | 16.53 |
| | 3H | 12.17 | 12.71 | 13.26 | 13.80 | 15.27 | 14.85 | 15.39 | 15.94 | 16.48 | 17.95 |
| | 4H | 12.44 | 12.94 | 13.53 | 14.02 | 15.51 | 15.37 | 15.87 | 16.46 | 16.95 | 18.44 |
| | 6H | 12.56 | 12.98 | 13.66 | 14.09 | 15.58 | 15.73 | 16.15 | 16.83 | 17.26 | 18.75 |
| | 8H | 12.56 | 12.96 | 13.66 | 14.06 | 15.56 | 15.83 | 16.23 | 16.93 | 17.33 | 18.83 |
| | 12H | 12.53 | 12.88 | 13.64 | 14.00 | 15.50 | 15.88 | 16.24 | 17.00 | 17.36 | 18.86 |
| 8H | 4H | 12.88 | 13.28 | 13.99 | 14.38 | 15.88 | 15.49 | 15.88 | 16.59 | 16.98 | 18.49 |
| | 6H | 13.14 | 13.47 | 14.27 | 14.61 | 16.11 | 15.92 | 16.25 | 17.04 | 17.39 | 18.89 |
| | 8H | 13.18 | 13.47 | 14.31 | 14.59 | 16.11 | 16.07 | 16.36 | 17.20 | 17.48 | 19.00 |
| | 12H | 13.16 | 13.42 | 14.30 | 14.54 | 16.09 | 16.16 | 16.41 | 17.30 | 17.53 | 19.09 |
| 12H | 4H | 12.89 | 13.25 | 14.01 | 14.36 | 15.86 | 15.45 | 15.81 | 16.57 | 16.92 | 18.43 |
| | 6H | 13.20 | 13.49 | 14.33 | 14.61 | 16.13 | 15.91 | 16.20 | 17.04 | 17.33 | 18.84 |
| | 8H | 13.26 | 13.52 | 14.40 | 14.64 | 16.19 | 16.07 | 16.32 | 17.20 | 17.44 | 19.00 |