

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: P935437

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935437
REPORT IS A COMBINATION OF REPORTS P933755 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

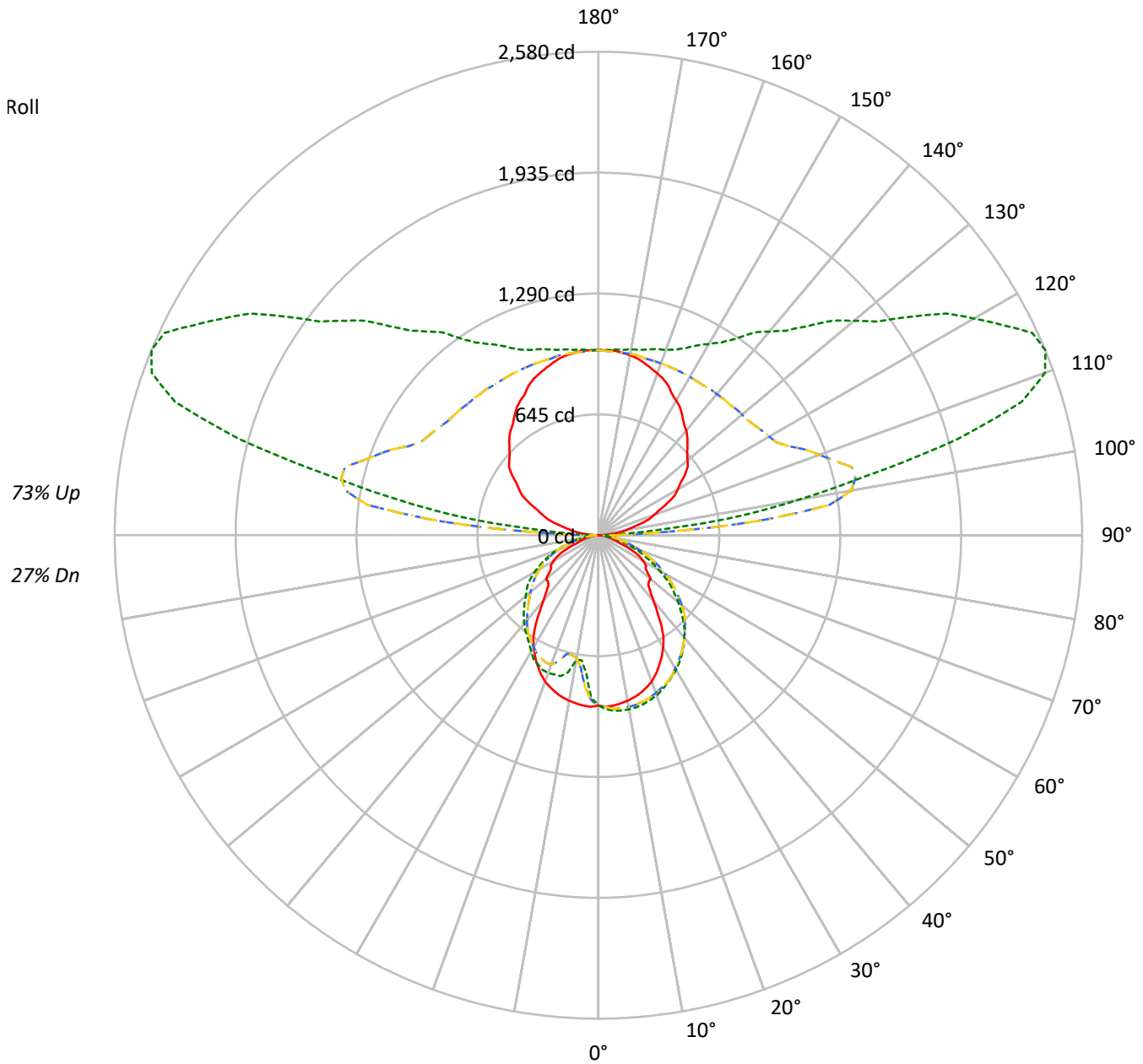
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8765.9 lumens
Efficiency: N/A
Efficacy: 122.8 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): 71.4
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: P935437
CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 | 27 | | | | |
| 1 | 93 | 88 | 85 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 44 | 43 | 31 | 30 | 29 | 23 | | | | |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 60 | 54 | 51 | 48 | 40 | 38 | 36 | 27 | 26 | 25 | 19 | | | | |
| 3 | 77 | 68 | 61 | 55 | 68 | 61 | 55 | 50 | 48 | 43 | 40 | 35 | 33 | 30 | 24 | 22 | 21 | 16 | | | | |
| 4 | 70 | 60 | 52 | 47 | 62 | 54 | 47 | 42 | 42 | 38 | 34 | 31 | 28 | 26 | 21 | 20 | 18 | 14 | | | | |
| 5 | 64 | 53 | 45 | 40 | 57 | 48 | 41 | 36 | 38 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 16 | 12 | | | | |
| 6 | 59 | 48 | 40 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 | | | | |
| 7 | 55 | 43 | 35 | 30 | 49 | 38 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9 | | | | |
| 8 | 50 | 39 | 31 | 26 | 45 | 35 | 28 | 24 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 12 | 11 | 8 | | | | |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 7 | | | | |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 23 | 19 | 15 | 18 | 14 | 12 | 12 | 10 | 9 | 7 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5618 | 5618 | 5618 | 5618 |
| 5° | 5658 | 5671 | 5658 | 4459 |
| 10° | 5618 | 5587 | 5618 | 3994 |
| 15° | 5555 | 5466 | 5555 | 4564 |
| 20° | 5437 | 5322 | 5437 | 4573 |
| 25° | 5197 | 5113 | 5197 | 4477 |
| 30° | 4887 | 4940 | 4887 | 4264 |
| 35° | 4356 | 4720 | 4356 | 4030 |
| 40° | 3627 | 4461 | 3627 | 3853 |
| 45° | 3238 | 4158 | 3238 | 3650 |
| 50° | 3438 | 3798 | 3438 | 3446 |
| 55° | 3231 | 3409 | 3231 | 3328 |
| 60° | 3327 | 2895 | 3327 | 3048 |
| 65° | 3012 | 2393 | 3012 | 2675 |
| 70° | 2081 | 1907 | 2081 | 2243 |
| 75° | 1818 | 1410 | 1818 | 1688 |
| 80° | 1455 | 932 | 1455 | 1015 |
| 85° | 823 | 493 | 823 | 419 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4967 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.0 | 0.9 |
| 10°-20° | 232.8 | 2.7 |
| 20°-30° | 359.8 | 4.1 |
| 30°-40° | 429.5 | 4.9 |
| 40°-50° | 432.1 | 4.9 |
| 50°-60° | 375.9 | 4.3 |
| 60°-70° | 266.6 | 3.0 |
| 70°-80° | 141.0 | 1.6 |
| 80°-90° | 38.9 | 0.4 |
| 90°-100° | 481.8 | 5.5 |
| 100°-110° | 1266.6 | 14.4 |
| 110°-120° | 1313.4 | 15.0 |
| 120°-130° | 1053.5 | 12.0 |
| 130°-140° | 826.6 | 9.4 |
| 140°-150° | 634.5 | 7.2 |
| 150°-160° | 456.9 | 5.2 |
| 160°-170° | 279.6 | 3.2 |
| 170°-180° | 94.5 | 1.1 |
| 0°-30° | 674.6 | 7.7 |
| 0°-40° | 1104.1 | 12.6 |
| 0°-60° | 1912.1 | 21.8 |
| 0°-90° | 2358.6 | 26.9 |
| 90°-120° | 3061.8 | 34.9 |
| 90°-150° | 5576.3 | 63.6 |
| 90°-180° | 6407.0 | 73.1 |
| 0°-180° | 8765.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0° | 908 | 908 | 908 | 908 | 908 | |
| 5° | 912 | 941 | 912 | 740 | 912 | 87 |
| 15° | 871 | 932 | 871 | 778 | 871 | 245 |
| 25° | 767 | 870 | 767 | 761 | 767 | 352 |
| 35° | 584 | 776 | 584 | 662 | 584 | 361 |
| 45° | 376 | 639 | 376 | 561 | 376 | 301 |
| 55° | 307 | 472 | 307 | 460 | 307 | 282 |
| 65° | 213 | 284 | 213 | 318 | 213 | 204 |
| 75° | 81 | 135 | 81 | 162 | 81 | 85 |
| 85° | 14 | 34 | 14 | 29 | 14 | 19 |
| 90° | 7 | 25 | 7 | 25 | 7 | 6 |
| 95° | 64 | 291 | 64 | 291 | 64 | 71 |
| 105° | 228 | 1983 | 228 | 1983 | 228 | 242 |
| 115° | 405 | 2554 | 405 | 2554 | 405 | 400 |
| 125° | 564 | 2034 | 564 | 2034 | 564 | 501 |
| 135° | 672 | 1578 | 672 | 1578 | 672 | 520 |
| 145° | 779 | 1280 | 779 | 1280 | 779 | 488 |
| 155° | 881 | 1102 | 881 | 1102 | 881 | 405 |
| 165° | 951 | 1027 | 951 | 1027 | 951 | 268 |
| 175° | 988 | 995 | 988 | 995 | 988 | 94 |
| 180° | 988 | 988 | 988 | 988 | 988 | |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 |
| 2.5° | 916.0 | 916.0 | 921.1 | 922.8 | 922.8 | 920.2 | 917.7 | 920.2 | 928.0 | 930.6 | 929.7 |
| 5° | 912.5 | 919.4 | 928.9 | 930.6 | 932.3 | 931.4 | 929.7 | 931.4 | 940.0 | 941.8 | 942.6 |
| 7.5° | 905.6 | 918.5 | 930.6 | 933.1 | 935.7 | 933.1 | 932.3 | 934.0 | 942.6 | 944.3 | 944.3 |
| 10° | 897.0 | 915.1 | 928.9 | 930.6 | 933.1 | 930.6 | 930.6 | 934.0 | 942.6 | 944.3 | 945.2 |
| 12.5° | 885.0 | 909.9 | 922.8 | 924.5 | 928.0 | 927.2 | 926.2 | 929.7 | 938.3 | 940.0 | 940.0 |
| 15° | 871.3 | 900.5 | 912.5 | 914.3 | 920.2 | 918.5 | 918.5 | 921.9 | 931.4 | 934.0 | 933.1 |
| 17.5° | 852.3 | 888.5 | 902.2 | 904.8 | 909.0 | 908.2 | 909.0 | 912.5 | 921.1 | 922.8 | 923.7 |
| 20° | 830.9 | 872.2 | 888.5 | 891.0 | 895.3 | 895.3 | 895.3 | 899.7 | 908.2 | 911.6 | 911.6 |
| 22.5° | 801.7 | 854.9 | 872.2 | 873.9 | 879.0 | 879.0 | 880.7 | 886.8 | 894.4 | 895.3 | 895.3 |
| 25° | 767.3 | 836.0 | 850.6 | 855.8 | 861.0 | 863.5 | 866.1 | 869.6 | 872.2 | 871.3 | 872.2 |
| 27.5° | 731.2 | 811.9 | 830.9 | 834.3 | 841.2 | 843.8 | 847.2 | 848.1 | 848.9 | 851.5 | 849.8 |
| 30° | 690.8 | 778.5 | 806.8 | 810.2 | 821.4 | 823.1 | 819.7 | 821.4 | 825.7 | 827.5 | 829.2 |
| 32.5° | 645.3 | 728.7 | 781.9 | 789.6 | 800.0 | 794.8 | 793.9 | 796.5 | 803.4 | 803.4 | 805.1 |
| 35° | 583.5 | 690.0 | 758.7 | 765.6 | 773.3 | 767.3 | 770.8 | 771.6 | 775.9 | 778.5 | 777.6 |
| 37.5° | 515.6 | 656.5 | 734.6 | 739.8 | 745.8 | 738.1 | 743.3 | 745.8 | 749.2 | 747.5 | 747.5 |
| 40° | 455.4 | 604.0 | 706.3 | 709.7 | 714.9 | 708.8 | 714.1 | 715.8 | 717.5 | 715.8 | 714.9 |
| 42.5° | 410.8 | 546.5 | 676.2 | 680.5 | 677.1 | 681.3 | 683.1 | 686.5 | 684.0 | 680.5 | 680.5 |
| 45° | 376.3 | 531.0 | 643.6 | 648.7 | 643.6 | 650.4 | 653.0 | 653.0 | 645.3 | 643.6 | 642.7 |
| 47.5° | 365.1 | 500.1 | 611.0 | 611.0 | 608.3 | 616.9 | 621.2 | 615.2 | 607.5 | 604.9 | 604.9 |
| 50° | 364.3 | 465.7 | 566.2 | 562.8 | 574.8 | 585.2 | 580.8 | 574.8 | 568.8 | 559.4 | 559.4 |
| 52.5° | 330.8 | 423.6 | 508.6 | 521.5 | 540.5 | 546.5 | 539.6 | 533.6 | 523.2 | 519.0 | 515.6 |
| 55° | 306.7 | 379.7 | 456.3 | 482.1 | 501.8 | 509.5 | 496.7 | 490.6 | 475.2 | 472.6 | 470.9 |
| 57.5° | 301.6 | 316.2 | 408.1 | 440.8 | 464.8 | 464.0 | 456.3 | 445.1 | 432.2 | 429.6 | 428.8 |
| 60° | 276.7 | 228.6 | 356.6 | 395.3 | 420.1 | 417.6 | 410.8 | 400.4 | 388.4 | 386.7 | 385.0 |
| 62.5° | 250.9 | 165.9 | 298.2 | 342.0 | 377.2 | 376.3 | 370.3 | 354.9 | 346.3 | 342.0 | 338.6 |
| 65° | 213.1 | 139.2 | 212.3 | 284.4 | 335.1 | 336.8 | 324.0 | 312.8 | 303.3 | 298.2 | 297.3 |
| 67.5° | 162.4 | 113.4 | 143.5 | 237.2 | 294.8 | 293.0 | 276.7 | 271.5 | 259.5 | 256.9 | 251.8 |
| 70° | 120.3 | 75.6 | 99.7 | 192.4 | 255.2 | 250.9 | 238.0 | 232.0 | 220.8 | 214.8 | 211.4 |
| 72.5° | 99.7 | 61.0 | 73.0 | 149.5 | 214.8 | 209.7 | 198.5 | 191.6 | 182.2 | 177.0 | 173.6 |
| 75° | 80.8 | 64.4 | 55.9 | 110.9 | 174.4 | 171.0 | 160.7 | 153.8 | 146.1 | 139.2 | 140.1 |
| 77.5° | 59.3 | 60.1 | 44.7 | 81.7 | 138.4 | 133.2 | 127.2 | 118.6 | 115.1 | 108.3 | 108.3 |
| 80° | 44.7 | 47.2 | 33.5 | 55.9 | 99.7 | 99.7 | 94.6 | 88.5 | 82.5 | 79.1 | 79.1 |
| 82.5° | 30.1 | 30.1 | 24.9 | 35.2 | 67.9 | 65.3 | 61.8 | 60.1 | 56.7 | 55.0 | 55.0 |
| 85° | 13.8 | 17.2 | 15.5 | 21.4 | 37.0 | 38.7 | 38.7 | 37.0 | 36.1 | 34.3 | 35.2 |
| 87.5° | 4.3 | 7.8 | 9.5 | 12.0 | 18.9 | 19.7 | 20.6 | 20.6 | 20.6 | 21.4 | 21.4 |
| 90° | 6.7 | 12.0 | 17.3 | 18.5 | 29.1 | 43.3 | 50.4 | 44.8 | 33.6 | 25.2 | 25.2 |
| 92.5° | 26.6 | 71.7 | 116.8 | 128.0 | 180.0 | 249.2 | 283.9 | 248.8 | 178.7 | 126.1 | 121.0 |
| 95° | 63.7 | 146.2 | 228.7 | 249.4 | 442.9 | 700.9 | 829.9 | 740.5 | 561.8 | 427.8 | 412.6 |
| 97.5° | 110.1 | 182.9 | 255.7 | 273.9 | 596.5 | 1026.7 | 1241.8 | 1185.4 | 1072.4 | 987.7 | 958.8 |
| 100° | 146.0 | 212.0 | 278.0 | 294.5 | 652.5 | 1129.8 | 1368.5 | 1372.6 | 1380.9 | 1387.0 | 1352.6 |
| 102.5° | 176.5 | 238.0 | 299.7 | 315.1 | 678.2 | 1162.2 | 1404.3 | 1476.2 | 1620.1 | 1728.0 | 1698.5 |
| 105° | 228.2 | 280.4 | 332.5 | 345.6 | 697.1 | 1166.0 | 1400.3 | 1561.6 | 1884.1 | 2126.0 | 2110.1 |
| 107.5° | 281.3 | 329.9 | 378.5 | 390.7 | 700.7 | 1114.0 | 1320.7 | 1545.7 | 1995.6 | 2333.0 | 2336.8 |
| 110° | 317.1 | 361.0 | 404.9 | 415.9 | 695.3 | 1068.0 | 1254.4 | 1505.8 | 2008.8 | 2386.1 | 2402.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 352.2 | 394.1 | 435.9 | 446.5 | 695.6 | 1027.9 | 1194.0 | 1451.3 | 1966.1 | 2352.2 | 2377.6 |
| 115° | 405.3 | 443.9 | 482.6 | 492.2 | 702.1 | 981.8 | 1121.7 | 1369.7 | 1865.6 | 2237.5 | 2272.7 |
| 117.5° | 457.7 | 492.8 | 527.9 | 536.6 | 715.1 | 953.0 | 1071.9 | 1295.7 | 1743.3 | 2078.9 | 2117.9 |
| 120° | 488.2 | 521.3 | 554.2 | 562.5 | 725.7 | 943.2 | 1052.0 | 1256.5 | 1665.4 | 1972.1 | 2010.0 |
| 122.5° | 518.1 | 551.4 | 584.7 | 593.0 | 741.0 | 938.2 | 1036.8 | 1221.0 | 1589.2 | 1865.3 | 1902.7 |
| 125° | 563.8 | 594.2 | 624.5 | 632.1 | 761.5 | 934.0 | 1020.3 | 1176.6 | 1489.4 | 1724.1 | 1758.5 |
| 127.5° | 601.0 | 631.6 | 662.3 | 670.0 | 782.1 | 931.6 | 1006.3 | 1140.6 | 1409.2 | 1610.6 | 1639.7 |
| 130° | 620.9 | 653.9 | 686.9 | 695.2 | 797.1 | 933.0 | 1001.0 | 1120.5 | 1359.6 | 1539.0 | 1565.8 |
| 132.5° | 641.5 | 674.5 | 707.5 | 715.8 | 809.3 | 934.0 | 996.3 | 1103.4 | 1317.4 | 1477.9 | 1501.9 |
| 135° | 671.9 | 702.0 | 732.1 | 739.6 | 822.5 | 933.1 | 988.4 | 1078.0 | 1257.3 | 1391.7 | 1412.4 |
| 137.5° | 703.1 | 732.9 | 762.7 | 770.2 | 842.4 | 938.9 | 987.0 | 1062.8 | 1214.3 | 1328.0 | 1344.9 |
| 140° | 729.0 | 756.4 | 783.8 | 790.7 | 854.6 | 939.8 | 982.4 | 1047.8 | 1178.8 | 1276.9 | 1292.8 |
| 142.5° | 748.9 | 774.3 | 799.6 | 806.0 | 864.8 | 943.2 | 982.4 | 1039.9 | 1154.9 | 1241.1 | 1254.8 |
| 145° | 779.4 | 801.5 | 823.6 | 829.2 | 878.0 | 943.2 | 975.8 | 1022.8 | 1116.9 | 1187.4 | 1197.7 |
| 147.5° | 810.0 | 831.5 | 853.0 | 858.4 | 897.5 | 949.7 | 975.8 | 1012.7 | 1086.8 | 1142.3 | 1150.9 |
| 150° | 829.9 | 849.3 | 868.7 | 873.6 | 907.7 | 953.0 | 975.8 | 1007.0 | 1069.5 | 1116.4 | 1123.3 |
| 152.5° | 850.4 | 865.1 | 879.9 | 883.6 | 914.3 | 955.3 | 975.8 | 1002.4 | 1055.8 | 1095.8 | 1101.1 |
| 155° | 880.9 | 891.9 | 902.7 | 905.5 | 928.9 | 960.1 | 975.8 | 997.0 | 1039.5 | 1071.3 | 1074.8 |
| 157.5° | 903.5 | 914.1 | 924.7 | 927.3 | 943.5 | 965.0 | 975.8 | 992.2 | 1025.3 | 1050.1 | 1052.5 |
| 160° | 918.7 | 927.0 | 935.3 | 937.3 | 950.1 | 967.2 | 975.8 | 989.9 | 1018.2 | 1039.5 | 1040.8 |
| 162.5° | 934.0 | 940.1 | 946.4 | 947.9 | 957.2 | 969.6 | 975.8 | 987.7 | 1011.5 | 1029.5 | 1030.8 |
| 165° | 950.6 | 956.2 | 961.8 | 963.2 | 967.4 | 972.9 | 975.8 | 984.3 | 1001.5 | 1014.3 | 1015.6 |
| 167.5° | 965.8 | 968.5 | 971.1 | 971.8 | 975.3 | 980.0 | 982.4 | 988.1 | 999.2 | 1007.6 | 1008.2 |
| 170° | 975.8 | 978.4 | 981.1 | 981.7 | 982.0 | 982.2 | 982.4 | 988.1 | 999.2 | 1007.6 | 1007.6 |
| 172.5° | 981.1 | 981.6 | 982.2 | 982.4 | 982.4 | 982.4 | 982.4 | 986.9 | 995.7 | 1002.3 | 1001.8 |
| 175° | 988.4 | 988.4 | 988.4 | 988.4 | 986.4 | 983.8 | 982.4 | 985.2 | 990.9 | 995.1 | 995.1 |
| 177.5° | 988.4 | 988.4 | 988.4 | 988.4 | 986.9 | 984.7 | 983.7 | 985.9 | 990.4 | 993.7 | 993.1 |
| 180° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 0° | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 |
| 2.5° | 931.4 | 928.9 | 931.4 | 929.7 | 930.6 | 928.0 | 920.2 | 917.7 | 920.2 | 922.8 | 922.8 |
| 5° | 942.6 | 940.8 | 942.6 | 942.6 | 941.8 | 940.0 | 931.4 | 929.7 | 931.4 | 932.3 | 930.6 |
| 7.5° | 946.0 | 943.5 | 946.0 | 944.3 | 944.3 | 942.6 | 934.0 | 932.3 | 933.1 | 935.7 | 933.1 |
| 10° | 946.0 | 943.5 | 946.0 | 945.2 | 944.3 | 942.6 | 934.0 | 930.6 | 930.6 | 933.1 | 930.6 |
| 12.5° | 941.8 | 940.0 | 941.8 | 940.0 | 940.0 | 938.3 | 929.7 | 926.2 | 927.2 | 928.0 | 924.5 |
| 15° | 934.8 | 932.3 | 934.8 | 933.1 | 934.0 | 931.4 | 921.9 | 918.5 | 918.5 | 920.2 | 914.3 |
| 17.5° | 924.5 | 921.1 | 924.5 | 923.7 | 922.8 | 921.1 | 912.5 | 909.0 | 908.2 | 909.0 | 904.8 |
| 20° | 912.5 | 909.9 | 912.5 | 911.6 | 911.6 | 908.2 | 899.7 | 895.3 | 895.3 | 895.3 | 891.0 |
| 22.5° | 893.6 | 891.0 | 893.6 | 895.3 | 895.3 | 894.4 | 886.8 | 880.7 | 879.0 | 879.0 | 873.9 |
| 25° | 872.2 | 869.6 | 872.2 | 872.2 | 871.3 | 872.2 | 869.6 | 866.1 | 863.5 | 861.0 | 855.8 |
| 27.5° | 851.5 | 849.8 | 851.5 | 849.8 | 851.5 | 848.9 | 848.1 | 847.2 | 843.8 | 841.2 | 834.3 |
| 30° | 830.9 | 829.2 | 830.9 | 829.2 | 827.5 | 825.7 | 821.4 | 819.7 | 823.1 | 821.4 | 810.2 |
| 32.5° | 805.1 | 803.4 | 805.1 | 805.1 | 803.4 | 803.4 | 796.5 | 793.9 | 794.8 | 800.0 | 789.6 |
| 35° | 778.5 | 775.9 | 778.5 | 777.6 | 778.5 | 775.9 | 771.6 | 770.8 | 767.3 | 773.3 | 765.6 |
| 37.5° | 747.5 | 745.0 | 747.5 | 747.5 | 747.5 | 749.2 | 745.8 | 743.3 | 738.1 | 745.8 | 739.8 |
| 40° | 715.8 | 712.3 | 715.8 | 714.9 | 715.8 | 717.5 | 715.8 | 714.1 | 708.8 | 714.9 | 709.7 |
| 42.5° | 679.6 | 678.8 | 679.6 | 680.5 | 680.5 | 684.0 | 686.5 | 683.1 | 681.3 | 677.1 | 680.5 |
| 45° | 641.0 | 639.2 | 641.0 | 642.7 | 643.6 | 645.3 | 653.0 | 653.0 | 650.4 | 643.6 | 648.7 |
| 47.5° | 599.8 | 595.4 | 599.8 | 604.9 | 604.9 | 607.5 | 615.2 | 621.2 | 616.9 | 608.3 | 611.0 |
| 50° | 556.0 | 556.8 | 556.0 | 559.4 | 559.4 | 568.8 | 574.8 | 580.8 | 585.2 | 574.8 | 562.8 |
| 52.5° | 513.0 | 512.1 | 513.0 | 515.6 | 519.0 | 523.2 | 533.6 | 539.6 | 546.5 | 540.5 | 521.5 |
| 55° | 470.0 | 471.7 | 470.0 | 470.9 | 472.6 | 475.2 | 490.6 | 496.7 | 509.5 | 501.8 | 482.1 |
| 57.5° | 427.1 | 424.5 | 427.1 | 428.8 | 429.6 | 432.2 | 445.1 | 456.3 | 464.0 | 464.8 | 440.8 |
| 60° | 377.2 | 373.8 | 377.2 | 385.0 | 386.7 | 388.4 | 400.4 | 410.8 | 417.6 | 420.1 | 395.3 |
| 62.5° | 333.4 | 327.4 | 333.4 | 338.6 | 342.0 | 346.3 | 354.9 | 370.3 | 376.3 | 377.2 | 342.0 |
| 65° | 287.0 | 284.4 | 287.0 | 297.3 | 298.2 | 303.3 | 312.8 | 324.0 | 336.8 | 335.1 | 284.4 |
| 67.5° | 244.9 | 244.9 | 244.9 | 251.8 | 256.9 | 259.5 | 271.5 | 276.7 | 293.0 | 294.8 | 237.2 |
| 70° | 206.2 | 205.3 | 206.2 | 211.4 | 214.8 | 220.8 | 232.0 | 238.0 | 250.9 | 255.2 | 192.4 |
| 72.5° | 169.3 | 168.4 | 169.3 | 173.6 | 177.0 | 182.2 | 191.6 | 198.5 | 209.7 | 214.8 | 149.5 |
| 75° | 136.7 | 134.9 | 136.7 | 140.1 | 139.2 | 146.1 | 153.8 | 160.7 | 171.0 | 174.4 | 110.9 |
| 77.5° | 104.8 | 104.8 | 104.8 | 108.3 | 108.3 | 115.1 | 118.6 | 127.2 | 133.2 | 138.4 | 81.7 |
| 80° | 78.2 | 77.3 | 78.2 | 79.1 | 79.1 | 82.5 | 88.5 | 94.6 | 99.7 | 99.7 | 55.9 |
| 82.5° | 55.0 | 53.3 | 55.0 | 55.0 | 55.0 | 56.7 | 60.1 | 61.8 | 65.3 | 67.9 | 35.2 |
| 85° | 34.3 | 34.3 | 34.3 | 35.2 | 34.3 | 36.1 | 37.0 | 38.7 | 38.7 | 37.0 | 21.4 |
| 87.5° | 22.4 | 21.4 | 22.4 | 21.4 | 21.4 | 20.6 | 20.6 | 20.6 | 19.7 | 18.9 | 12.0 |
| 90° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 33.6 | 44.8 | 50.4 | 43.3 | 29.1 | 18.5 |
| 92.5° | 101.0 | 80.9 | 101.0 | 121.0 | 126.1 | 178.7 | 248.8 | 283.9 | 249.2 | 180.0 | 128.0 |
| 95° | 351.9 | 291.2 | 351.9 | 412.6 | 427.8 | 561.8 | 740.5 | 829.9 | 700.9 | 442.9 | 249.4 |
| 97.5° | 843.3 | 727.7 | 843.3 | 958.8 | 987.7 | 1072.4 | 1185.4 | 1241.8 | 1026.7 | 596.5 | 273.9 |
| 100° | 1215.0 | 1077.3 | 1215.0 | 1352.6 | 1387.0 | 1380.9 | 1372.6 | 1368.5 | 1129.8 | 652.5 | 294.5 |
| 102.5° | 1580.6 | 1462.7 | 1580.6 | 1698.5 | 1728.0 | 1620.1 | 1476.2 | 1404.3 | 1162.2 | 678.2 | 315.1 |
| 105° | 2046.7 | 1983.4 | 2046.7 | 2110.1 | 2126.0 | 1884.1 | 1561.6 | 1400.3 | 1166.0 | 697.1 | 345.6 |
| 107.5° | 2352.1 | 2367.5 | 2352.1 | 2336.8 | 2333.0 | 1995.6 | 1545.7 | 1320.7 | 1114.0 | 700.7 | 390.7 |
| 110° | 2468.6 | 2534.6 | 2468.6 | 2402.6 | 2386.1 | 2008.8 | 1505.8 | 1254.4 | 1068.0 | 695.3 | 415.9 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 112.5° | 2478.9 | 2580.4 | 2478.9 | 2377.6 | 2352.2 | 1966.1 | 1451.3 | 1194.0 | 1027.9 | 695.6 | 446.5 |
| 115° | 2413.3 | 2553.8 | 2413.3 | 2272.7 | 2237.5 | 1865.6 | 1369.7 | 1121.7 | 981.8 | 702.1 | 492.2 |
| 117.5° | 2273.9 | 2429.8 | 2273.9 | 2117.9 | 2078.9 | 1743.3 | 1295.7 | 1071.9 | 953.0 | 715.1 | 536.6 |
| 120° | 2161.5 | 2313.1 | 2161.5 | 2010.0 | 1972.1 | 1665.4 | 1256.5 | 1052.0 | 943.2 | 725.7 | 562.5 |
| 122.5° | 2052.1 | 2201.6 | 2052.1 | 1902.7 | 1865.3 | 1589.2 | 1221.0 | 1036.8 | 938.2 | 741.0 | 593.0 |
| 125° | 1896.2 | 2033.8 | 1896.2 | 1758.5 | 1724.1 | 1489.4 | 1176.6 | 1020.3 | 934.0 | 761.5 | 632.1 |
| 127.5° | 1755.8 | 1872.0 | 1755.8 | 1639.7 | 1610.6 | 1409.2 | 1140.6 | 1006.3 | 931.6 | 782.1 | 670.0 |
| 130° | 1673.2 | 1780.4 | 1673.2 | 1565.8 | 1539.0 | 1359.6 | 1120.5 | 1001.0 | 933.0 | 797.1 | 695.2 |
| 132.5° | 1598.1 | 1694.2 | 1598.1 | 1501.9 | 1477.9 | 1317.4 | 1103.4 | 996.3 | 934.0 | 809.3 | 715.8 |
| 135° | 1495.2 | 1578.1 | 1495.2 | 1412.4 | 1391.7 | 1257.3 | 1078.0 | 988.4 | 933.1 | 822.5 | 739.6 |
| 137.5° | 1412.7 | 1480.5 | 1412.7 | 1344.9 | 1328.0 | 1214.3 | 1062.8 | 987.0 | 938.9 | 842.4 | 770.2 |
| 140° | 1356.2 | 1419.6 | 1356.2 | 1292.8 | 1276.9 | 1178.8 | 1047.8 | 982.4 | 939.8 | 854.6 | 790.7 |
| 142.5° | 1309.3 | 1363.9 | 1309.3 | 1254.8 | 1241.1 | 1154.9 | 1039.9 | 982.4 | 943.2 | 864.8 | 806.0 |
| 145° | 1239.0 | 1280.3 | 1239.0 | 1197.7 | 1187.4 | 1116.9 | 1022.8 | 975.8 | 943.2 | 878.0 | 829.2 |
| 147.5° | 1185.1 | 1219.3 | 1185.1 | 1150.9 | 1142.3 | 1086.8 | 1012.7 | 975.8 | 949.7 | 897.5 | 858.4 |
| 150° | 1151.1 | 1178.8 | 1151.1 | 1123.3 | 1116.4 | 1069.5 | 1007.0 | 975.8 | 953.0 | 907.7 | 873.6 |
| 152.5° | 1122.0 | 1142.9 | 1122.0 | 1101.1 | 1095.8 | 1055.8 | 1002.4 | 975.8 | 955.3 | 914.3 | 883.6 |
| 155° | 1088.7 | 1102.5 | 1088.7 | 1074.8 | 1071.3 | 1039.5 | 997.0 | 975.8 | 960.1 | 928.9 | 905.5 |
| 157.5° | 1062.2 | 1071.9 | 1062.2 | 1052.5 | 1050.1 | 1025.3 | 992.2 | 975.8 | 965.0 | 943.5 | 927.3 |
| 160° | 1046.5 | 1052.0 | 1046.5 | 1040.8 | 1039.5 | 1018.2 | 989.9 | 975.8 | 967.2 | 950.1 | 937.3 |
| 162.5° | 1036.1 | 1041.4 | 1036.1 | 1030.8 | 1029.5 | 1011.5 | 987.7 | 975.8 | 969.6 | 957.2 | 947.9 |
| 165° | 1021.3 | 1026.8 | 1021.3 | 1015.6 | 1014.3 | 1001.5 | 984.3 | 975.8 | 972.9 | 967.4 | 963.2 |
| 167.5° | 1010.5 | 1012.9 | 1010.5 | 1008.2 | 1007.6 | 999.2 | 988.1 | 982.4 | 980.0 | 975.3 | 971.8 |
| 170° | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 999.2 | 988.1 | 982.4 | 982.2 | 982.0 | 981.7 |
| 172.5° | 999.8 | 997.7 | 999.8 | 1001.8 | 1002.3 | 995.7 | 986.9 | 982.4 | 982.4 | 982.4 | 982.4 |
| 175° | 995.1 | 995.1 | 995.1 | 995.1 | 995.1 | 990.9 | 985.2 | 982.4 | 983.8 | 986.4 | 988.4 |
| 177.5° | 990.8 | 988.4 | 990.8 | 993.1 | 993.7 | 990.4 | 985.9 | 983.7 | 984.7 | 986.9 | 988.4 |
| 180° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|
| 0° | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 |
| 2.5° | 921.1 | 916.0 | 916.0 | 907.3 | 903.9 | 901.4 | 897.0 | 884.2 | 880.7 | 877.3 | 882.4 |
| 5° | 928.9 | 919.4 | 912.5 | 897.0 | 884.2 | 879.0 | 862.7 | 831.7 | 811.1 | 795.6 | 787.1 |
| 7.5° | 930.6 | 918.5 | 905.6 | 881.5 | 850.6 | 836.9 | 787.1 | 730.4 | 714.9 | 701.2 | 692.5 |
| 10° | 928.9 | 915.1 | 897.0 | 861.0 | 787.9 | 763.8 | 714.1 | 677.1 | 667.6 | 665.0 | 667.6 |
| 12.5° | 922.8 | 909.9 | 885.0 | 824.8 | 722.6 | 706.3 | 677.1 | 655.6 | 653.8 | 658.2 | 681.3 |
| 15° | 912.5 | 900.5 | 871.3 | 776.7 | 686.5 | 674.5 | 653.8 | 646.1 | 655.6 | 685.7 | 755.3 |
| 17.5° | 902.2 | 888.5 | 852.3 | 729.5 | 659.0 | 650.4 | 635.8 | 651.3 | 704.6 | 745.0 | 768.1 |
| 20° | 888.5 | 872.2 | 830.9 | 695.1 | 639.2 | 631.5 | 624.6 | 694.2 | 734.6 | 749.2 | 762.1 |
| 22.5° | 872.2 | 854.9 | 801.7 | 671.1 | 618.6 | 612.7 | 616.9 | 718.3 | 734.6 | 745.0 | 756.2 |
| 25° | 850.6 | 836.0 | 767.3 | 652.1 | 602.3 | 595.4 | 611.8 | 715.8 | 725.2 | 727.8 | 750.1 |
| 27.5° | 830.9 | 811.9 | 731.2 | 635.0 | 582.6 | 580.0 | 616.1 | 704.6 | 711.5 | 714.1 | 738.1 |
| 30° | 806.8 | 778.5 | 690.8 | 616.9 | 561.9 | 561.1 | 616.9 | 690.8 | 689.1 | 695.9 | 720.0 |
| 32.5° | 781.9 | 728.7 | 645.3 | 594.6 | 542.2 | 541.3 | 611.0 | 670.2 | 668.5 | 677.9 | 695.9 |
| 35° | 758.7 | 690.0 | 583.5 | 568.8 | 517.3 | 518.1 | 596.3 | 646.1 | 647.0 | 655.6 | 666.7 |
| 37.5° | 734.6 | 656.5 | 515.6 | 540.5 | 493.2 | 493.2 | 576.5 | 623.8 | 622.1 | 624.6 | 640.2 |
| 40° | 706.3 | 604.0 | 455.4 | 503.5 | 470.9 | 468.3 | 552.4 | 599.8 | 593.7 | 592.9 | 614.4 |
| 42.5° | 676.2 | 546.5 | 410.8 | 454.6 | 445.1 | 441.7 | 523.2 | 570.6 | 559.4 | 561.9 | 589.4 |
| 45° | 643.6 | 531.0 | 376.3 | 384.1 | 418.4 | 415.9 | 491.5 | 537.0 | 529.3 | 536.1 | 564.5 |
| 47.5° | 611.0 | 500.1 | 365.1 | 318.8 | 390.1 | 389.2 | 456.3 | 504.4 | 500.1 | 506.9 | 537.0 |
| 50° | 566.2 | 465.7 | 364.3 | 273.2 | 358.3 | 361.7 | 414.2 | 472.6 | 472.6 | 478.6 | 510.4 |
| 52.5° | 508.6 | 423.6 | 330.8 | 247.4 | 321.3 | 331.7 | 377.2 | 445.1 | 446.8 | 452.9 | 481.1 |
| 55° | 456.3 | 379.7 | 306.7 | 227.7 | 277.5 | 299.9 | 341.1 | 416.7 | 420.1 | 426.2 | 451.9 |
| 57.5° | 408.1 | 316.2 | 301.6 | 204.5 | 237.2 | 258.6 | 309.4 | 389.2 | 390.9 | 396.1 | 421.0 |
| 60° | 356.6 | 228.6 | 276.7 | 179.5 | 201.9 | 218.2 | 280.1 | 356.6 | 362.6 | 366.0 | 387.5 |
| 62.5° | 298.2 | 165.9 | 250.9 | 162.4 | 184.7 | 188.2 | 256.1 | 325.7 | 333.4 | 335.9 | 348.8 |
| 65° | 212.3 | 139.2 | 213.1 | 147.8 | 166.7 | 167.6 | 230.3 | 293.8 | 300.7 | 305.0 | 314.5 |
| 67.5° | 143.5 | 113.4 | 162.4 | 134.0 | 153.0 | 153.8 | 205.3 | 256.9 | 266.4 | 269.8 | 275.8 |
| 70° | 99.7 | 75.6 | 120.3 | 119.4 | 137.5 | 139.2 | 178.7 | 223.4 | 232.0 | 234.5 | 238.0 |
| 72.5° | 73.0 | 61.0 | 99.7 | 107.4 | 121.1 | 122.9 | 151.3 | 185.6 | 194.2 | 196.8 | 198.5 |
| 75° | 55.9 | 64.4 | 80.8 | 93.7 | 103.1 | 103.9 | 123.8 | 151.3 | 157.2 | 159.0 | 159.8 |
| 77.5° | 44.7 | 60.1 | 59.3 | 75.6 | 84.2 | 82.5 | 97.1 | 116.8 | 122.0 | 122.0 | 122.0 |
| 80° | 33.5 | 47.2 | 44.7 | 54.2 | 61.8 | 60.1 | 69.6 | 83.4 | 85.1 | 86.8 | 85.9 |
| 82.5° | 24.9 | 30.1 | 30.1 | 34.3 | 41.3 | 39.5 | 46.4 | 54.2 | 54.2 | 54.2 | 55.9 |
| 85° | 15.5 | 17.2 | 13.8 | 18.0 | 23.2 | 22.4 | 25.8 | 29.2 | 30.1 | 30.1 | 28.4 |
| 87.5° | 9.5 | 7.8 | 4.3 | 6.8 | 10.3 | 10.3 | 12.0 | 12.9 | 12.0 | 12.0 | 12.0 |
| 90° | 17.3 | 12.0 | 6.7 | 12.0 | 17.3 | 18.5 | 29.1 | 43.3 | 50.4 | 44.8 | 33.6 |
| 92.5° | 116.8 | 71.7 | 26.6 | 71.7 | 116.8 | 128.0 | 180.0 | 249.2 | 283.9 | 248.8 | 178.7 |
| 95° | 228.7 | 146.2 | 63.7 | 146.2 | 228.7 | 249.4 | 442.9 | 700.9 | 829.9 | 740.5 | 561.8 |
| 97.5° | 255.7 | 182.9 | 110.1 | 182.9 | 255.7 | 273.9 | 596.5 | 1026.7 | 1241.8 | 1185.4 | 1072.4 |
| 100° | 278.0 | 212.0 | 146.0 | 212.0 | 278.0 | 294.5 | 652.5 | 1129.8 | 1368.5 | 1372.6 | 1380.9 |
| 102.5° | 299.7 | 238.0 | 176.5 | 238.0 | 299.7 | 315.1 | 678.2 | 1162.2 | 1404.3 | 1476.2 | 1620.1 |
| 105° | 332.5 | 280.4 | 228.2 | 280.4 | 332.5 | 345.6 | 697.1 | 1166.0 | 1400.3 | 1561.6 | 1884.1 |
| 107.5° | 378.5 | 329.9 | 281.3 | 329.9 | 378.5 | 390.7 | 700.7 | 1114.0 | 1320.7 | 1545.7 | 1995.6 |
| 110° | 404.9 | 361.0 | 317.1 | 361.0 | 404.9 | 415.9 | 695.3 | 1068.0 | 1254.4 | 1505.8 | 2008.8 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|
| 112.5° | 435.9 | 394.1 | 352.2 | 394.1 | 435.9 | 446.5 | 695.6 | 1027.9 | 1194.0 | 1451.3 | 1966.1 |
| 115° | 482.6 | 443.9 | 405.3 | 443.9 | 482.6 | 492.2 | 702.1 | 981.8 | 1121.7 | 1369.7 | 1865.6 |
| 117.5° | 527.9 | 492.8 | 457.7 | 492.8 | 527.9 | 536.6 | 715.1 | 953.0 | 1071.9 | 1295.7 | 1743.3 |
| 120° | 554.2 | 521.3 | 488.2 | 521.3 | 554.2 | 562.5 | 725.7 | 943.2 | 1052.0 | 1256.5 | 1665.4 |
| 122.5° | 584.7 | 551.4 | 518.1 | 551.4 | 584.7 | 593.0 | 741.0 | 938.2 | 1036.8 | 1221.0 | 1589.2 |
| 125° | 624.5 | 594.2 | 563.8 | 594.2 | 624.5 | 632.1 | 761.5 | 934.0 | 1020.3 | 1176.6 | 1489.4 |
| 127.5° | 662.3 | 631.6 | 601.0 | 631.6 | 662.3 | 670.0 | 782.1 | 931.6 | 1006.3 | 1140.6 | 1409.2 |
| 130° | 686.9 | 653.9 | 620.9 | 653.9 | 686.9 | 695.2 | 797.1 | 933.0 | 1001.0 | 1120.5 | 1359.6 |
| 132.5° | 707.5 | 674.5 | 641.5 | 674.5 | 707.5 | 715.8 | 809.3 | 934.0 | 996.3 | 1103.4 | 1317.4 |
| 135° | 732.1 | 702.0 | 671.9 | 702.0 | 732.1 | 739.6 | 822.5 | 933.1 | 988.4 | 1078.0 | 1257.3 |
| 137.5° | 762.7 | 732.9 | 703.1 | 732.9 | 762.7 | 770.2 | 842.4 | 938.9 | 987.0 | 1062.8 | 1214.3 |
| 140° | 783.8 | 756.4 | 729.0 | 756.4 | 783.8 | 790.7 | 854.6 | 939.8 | 982.4 | 1047.8 | 1178.8 |
| 142.5° | 799.6 | 774.3 | 748.9 | 774.3 | 799.6 | 806.0 | 864.8 | 943.2 | 982.4 | 1039.9 | 1154.9 |
| 145° | 823.6 | 801.5 | 779.4 | 801.5 | 823.6 | 829.2 | 878.0 | 943.2 | 975.8 | 1022.8 | 1116.9 |
| 147.5° | 853.0 | 831.5 | 810.0 | 831.5 | 853.0 | 858.4 | 897.5 | 949.7 | 975.8 | 1012.7 | 1086.8 |
| 150° | 868.7 | 849.3 | 829.9 | 849.3 | 868.7 | 873.6 | 907.7 | 953.0 | 975.8 | 1007.0 | 1069.5 |
| 152.5° | 879.9 | 865.1 | 850.4 | 865.1 | 879.9 | 883.6 | 914.3 | 955.3 | 975.8 | 1002.4 | 1055.8 |
| 155° | 902.7 | 891.9 | 880.9 | 891.9 | 902.7 | 905.5 | 928.9 | 960.1 | 975.8 | 997.0 | 1039.5 |
| 157.5° | 924.7 | 914.1 | 903.5 | 914.1 | 924.7 | 927.3 | 943.5 | 965.0 | 975.8 | 992.2 | 1025.3 |
| 160° | 935.3 | 927.0 | 918.7 | 927.0 | 935.3 | 937.3 | 950.1 | 967.2 | 975.8 | 989.9 | 1018.2 |
| 162.5° | 946.4 | 940.1 | 934.0 | 940.1 | 946.4 | 947.9 | 957.2 | 969.6 | 975.8 | 987.7 | 1011.5 |
| 165° | 961.8 | 956.2 | 950.6 | 956.2 | 961.8 | 963.2 | 967.4 | 972.9 | 975.8 | 984.3 | 1001.5 |
| 167.5° | 971.1 | 968.5 | 965.8 | 968.5 | 971.1 | 971.8 | 975.3 | 980.0 | 982.4 | 988.1 | 999.2 |
| 170° | 981.1 | 978.4 | 975.8 | 978.4 | 981.1 | 981.7 | 982.0 | 982.2 | 982.4 | 988.1 | 999.2 |
| 172.5° | 982.2 | 981.6 | 981.1 | 981.6 | 982.2 | 982.4 | 982.4 | 982.4 | 982.4 | 986.9 | 995.7 |
| 175° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 986.4 | 983.8 | 982.4 | 985.2 | 990.9 |
| 177.5° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 986.9 | 984.7 | 983.7 | 985.9 | 990.4 |
| 180° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 |
| 2.5° | 876.4 | 873.9 | 877.3 | 867.8 | 877.3 | 873.9 | 876.4 | 882.4 | 877.3 | 880.7 | 884.2 |
| 5° | 769.1 | 764.7 | 750.9 | 739.8 | 750.9 | 764.7 | 769.1 | 787.1 | 795.6 | 811.1 | 831.7 |
| 7.5° | 687.4 | 684.0 | 680.5 | 673.7 | 680.5 | 684.0 | 687.4 | 692.5 | 701.2 | 714.9 | 730.4 |
| 10° | 669.4 | 670.2 | 675.4 | 674.5 | 675.4 | 670.2 | 669.4 | 667.6 | 665.0 | 667.6 | 677.1 |
| 12.5° | 715.8 | 723.4 | 751.8 | 750.1 | 751.8 | 723.4 | 715.8 | 681.3 | 658.2 | 653.8 | 655.6 |
| 15° | 769.1 | 771.6 | 777.6 | 778.5 | 777.6 | 771.6 | 769.1 | 755.3 | 685.7 | 655.6 | 646.1 |
| 17.5° | 774.2 | 775.0 | 779.3 | 779.3 | 779.3 | 775.0 | 774.2 | 768.1 | 745.0 | 704.6 | 651.3 |
| 20° | 769.9 | 771.6 | 780.2 | 781.9 | 780.2 | 771.6 | 769.9 | 762.1 | 749.2 | 734.6 | 694.2 |
| 22.5° | 768.1 | 771.6 | 778.5 | 777.6 | 778.5 | 771.6 | 768.1 | 756.2 | 745.0 | 734.6 | 718.3 |
| 25° | 759.6 | 759.6 | 760.4 | 761.3 | 760.4 | 759.6 | 759.6 | 750.1 | 727.8 | 725.2 | 715.8 |
| 27.5° | 741.6 | 743.3 | 748.4 | 747.5 | 748.4 | 743.3 | 741.6 | 738.1 | 714.1 | 711.5 | 704.6 |
| 30° | 725.2 | 723.4 | 719.2 | 715.8 | 719.2 | 723.4 | 725.2 | 720.0 | 695.9 | 689.1 | 690.8 |
| 32.5° | 697.7 | 693.4 | 689.1 | 686.5 | 689.1 | 693.4 | 697.7 | 695.9 | 677.9 | 668.5 | 670.2 |
| 35° | 665.0 | 665.9 | 665.0 | 662.5 | 665.0 | 665.9 | 665.0 | 666.7 | 655.6 | 647.0 | 646.1 |
| 37.5° | 641.9 | 643.6 | 642.7 | 639.2 | 642.7 | 643.6 | 641.9 | 640.2 | 624.6 | 622.1 | 623.8 |
| 40° | 617.8 | 618.6 | 617.8 | 615.2 | 617.8 | 618.6 | 617.8 | 614.4 | 592.9 | 593.7 | 599.8 |
| 42.5° | 594.6 | 593.7 | 591.1 | 589.4 | 591.1 | 593.7 | 594.6 | 589.4 | 561.9 | 559.4 | 570.6 |
| 45° | 568.0 | 568.8 | 563.6 | 561.1 | 563.6 | 568.8 | 568.0 | 564.5 | 536.1 | 529.3 | 537.0 |
| 47.5° | 541.3 | 541.3 | 537.0 | 534.4 | 537.0 | 541.3 | 541.3 | 537.0 | 506.9 | 500.1 | 504.4 |
| 50° | 513.0 | 512.1 | 506.1 | 505.2 | 506.1 | 512.1 | 513.0 | 510.4 | 478.6 | 472.6 | 472.6 |
| 52.5° | 480.3 | 480.3 | 481.1 | 482.9 | 481.1 | 480.3 | 480.3 | 481.1 | 452.9 | 446.8 | 445.1 |
| 55° | 451.9 | 452.9 | 458.8 | 460.5 | 458.8 | 452.9 | 451.9 | 451.9 | 426.2 | 420.1 | 416.7 |
| 57.5° | 422.7 | 422.7 | 427.1 | 427.1 | 427.1 | 422.7 | 422.7 | 421.0 | 396.1 | 390.9 | 389.2 |
| 60° | 389.2 | 390.9 | 394.4 | 393.5 | 394.4 | 390.9 | 389.2 | 387.5 | 366.0 | 362.6 | 356.6 |
| 62.5° | 354.0 | 355.7 | 356.6 | 354.9 | 356.6 | 355.7 | 354.0 | 348.8 | 335.9 | 333.4 | 325.7 |
| 65° | 317.1 | 318.8 | 319.6 | 317.9 | 319.6 | 318.8 | 317.1 | 314.5 | 305.0 | 300.7 | 293.8 |
| 67.5° | 279.2 | 278.4 | 277.5 | 281.0 | 277.5 | 278.4 | 279.2 | 275.8 | 269.8 | 266.4 | 256.9 |
| 70° | 240.6 | 240.6 | 239.8 | 241.5 | 239.8 | 240.6 | 240.6 | 238.0 | 234.5 | 232.0 | 223.4 |
| 72.5° | 199.4 | 198.5 | 201.9 | 199.4 | 201.9 | 198.5 | 199.4 | 198.5 | 196.8 | 194.2 | 185.6 |
| 75° | 159.0 | 160.7 | 159.0 | 161.5 | 159.0 | 160.7 | 159.0 | 159.8 | 159.0 | 157.2 | 151.3 |
| 77.5° | 121.1 | 122.9 | 121.1 | 121.1 | 121.1 | 122.9 | 121.1 | 122.0 | 122.0 | 122.0 | 116.8 |
| 80° | 85.9 | 85.1 | 85.1 | 84.2 | 85.1 | 85.1 | 85.9 | 85.9 | 86.8 | 85.1 | 83.4 |
| 82.5° | 55.0 | 54.2 | 54.2 | 55.9 | 54.2 | 54.2 | 55.0 | 55.9 | 54.2 | 54.2 | 54.2 |
| 85° | 30.1 | 30.9 | 29.2 | 29.2 | 29.2 | 30.9 | 30.1 | 28.4 | 30.1 | 30.1 | 29.2 |
| 87.5° | 11.2 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 11.2 | 12.0 | 12.0 | 12.0 | 12.9 |
| 90° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 33.6 | 44.8 | 50.4 | 43.3 |
| 92.5° | 126.1 | 121.0 | 101.0 | 80.9 | 101.0 | 121.0 | 126.1 | 178.7 | 248.8 | 283.9 | 249.2 |
| 95° | 427.8 | 412.6 | 351.9 | 291.2 | 351.9 | 412.6 | 427.8 | 561.8 | 740.5 | 829.9 | 700.9 |
| 97.5° | 987.7 | 958.8 | 843.3 | 727.7 | 843.3 | 958.8 | 987.7 | 1072.4 | 1185.4 | 1241.8 | 1026.7 |
| 100° | 1387.0 | 1352.6 | 1215.0 | 1077.3 | 1215.0 | 1352.6 | 1387.0 | 1380.9 | 1372.6 | 1368.5 | 1129.8 |
| 102.5° | 1728.0 | 1698.5 | 1580.6 | 1462.7 | 1580.6 | 1698.5 | 1728.0 | 1620.1 | 1476.2 | 1404.3 | 1162.2 |
| 105° | 2126.0 | 2110.1 | 2046.7 | 1983.4 | 2046.7 | 2110.1 | 2126.0 | 1884.1 | 1561.6 | 1400.3 | 1166.0 |
| 107.5° | 2333.0 | 2336.8 | 2352.1 | 2367.5 | 2352.1 | 2336.8 | 2333.0 | 1995.6 | 1545.7 | 1320.7 | 1114.0 |
| 110° | 2386.1 | 2402.6 | 2468.6 | 2534.6 | 2468.6 | 2402.6 | 2386.1 | 2008.8 | 1505.8 | 1254.4 | 1068.0 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2352.2 | 2377.6 | 2478.9 | 2580.4 | 2478.9 | 2377.6 | 2352.2 | 1966.1 | 1451.3 | 1194.0 | 1027.9 |
| 115° | 2237.5 | 2272.7 | 2413.3 | 2553.8 | 2413.3 | 2272.7 | 2237.5 | 1865.6 | 1369.7 | 1121.7 | 981.8 |
| 117.5° | 2078.9 | 2117.9 | 2273.9 | 2429.8 | 2273.9 | 2117.9 | 2078.9 | 1743.3 | 1295.7 | 1071.9 | 953.0 |
| 120° | 1972.1 | 2010.0 | 2161.5 | 2313.1 | 2161.5 | 2010.0 | 1972.1 | 1665.4 | 1256.5 | 1052.0 | 943.2 |
| 122.5° | 1865.3 | 1902.7 | 2052.1 | 2201.6 | 2052.1 | 1902.7 | 1865.3 | 1589.2 | 1221.0 | 1036.8 | 938.2 |
| 125° | 1724.1 | 1758.5 | 1896.2 | 2033.8 | 1896.2 | 1758.5 | 1724.1 | 1489.4 | 1176.6 | 1020.3 | 934.0 |
| 127.5° | 1610.6 | 1639.7 | 1755.8 | 1872.0 | 1755.8 | 1639.7 | 1610.6 | 1409.2 | 1140.6 | 1006.3 | 931.6 |
| 130° | 1539.0 | 1565.8 | 1673.2 | 1780.4 | 1673.2 | 1565.8 | 1539.0 | 1359.6 | 1120.5 | 1001.0 | 933.0 |
| 132.5° | 1477.9 | 1501.9 | 1598.1 | 1694.2 | 1598.1 | 1501.9 | 1477.9 | 1317.4 | 1103.4 | 996.3 | 934.0 |
| 135° | 1391.7 | 1412.4 | 1495.2 | 1578.1 | 1495.2 | 1412.4 | 1391.7 | 1257.3 | 1078.0 | 988.4 | 933.1 |
| 137.5° | 1328.0 | 1344.9 | 1412.7 | 1480.5 | 1412.7 | 1344.9 | 1328.0 | 1214.3 | 1062.8 | 987.0 | 938.9 |
| 140° | 1276.9 | 1292.8 | 1356.2 | 1419.6 | 1356.2 | 1292.8 | 1276.9 | 1178.8 | 1047.8 | 982.4 | 939.8 |
| 142.5° | 1241.1 | 1254.8 | 1309.3 | 1363.9 | 1309.3 | 1254.8 | 1241.1 | 1154.9 | 1039.9 | 982.4 | 943.2 |
| 145° | 1187.4 | 1197.7 | 1239.0 | 1280.3 | 1239.0 | 1197.7 | 1187.4 | 1116.9 | 1022.8 | 975.8 | 943.2 |
| 147.5° | 1142.3 | 1150.9 | 1185.1 | 1219.3 | 1185.1 | 1150.9 | 1142.3 | 1086.8 | 1012.7 | 975.8 | 949.7 |
| 150° | 1116.4 | 1123.3 | 1151.1 | 1178.8 | 1151.1 | 1123.3 | 1116.4 | 1069.5 | 1007.0 | 975.8 | 953.0 |
| 152.5° | 1095.8 | 1101.1 | 1122.0 | 1142.9 | 1122.0 | 1101.1 | 1095.8 | 1055.8 | 1002.4 | 975.8 | 955.3 |
| 155° | 1071.3 | 1074.8 | 1088.7 | 1102.5 | 1088.7 | 1074.8 | 1071.3 | 1039.5 | 997.0 | 975.8 | 960.1 |
| 157.5° | 1050.1 | 1052.5 | 1062.2 | 1071.9 | 1062.2 | 1052.5 | 1050.1 | 1025.3 | 992.2 | 975.8 | 965.0 |
| 160° | 1039.5 | 1040.8 | 1046.5 | 1052.0 | 1046.5 | 1040.8 | 1039.5 | 1018.2 | 989.9 | 975.8 | 967.2 |
| 162.5° | 1029.5 | 1030.8 | 1036.1 | 1041.4 | 1036.1 | 1030.8 | 1029.5 | 1011.5 | 987.7 | 975.8 | 969.6 |
| 165° | 1014.3 | 1015.6 | 1021.3 | 1026.8 | 1021.3 | 1015.6 | 1014.3 | 1001.5 | 984.3 | 975.8 | 972.9 |
| 167.5° | 1007.6 | 1008.2 | 1010.5 | 1012.9 | 1010.5 | 1008.2 | 1007.6 | 999.2 | 988.1 | 982.4 | 980.0 |
| 170° | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 999.2 | 988.1 | 982.4 | 982.2 |
| 172.5° | 1002.3 | 1001.8 | 999.8 | 997.7 | 999.8 | 1001.8 | 1002.3 | 995.7 | 986.9 | 982.4 | 982.4 |
| 175° | 995.1 | 995.1 | 995.1 | 995.1 | 995.1 | 995.1 | 995.1 | 990.9 | 985.2 | 982.4 | 983.8 |
| 177.5° | 993.7 | 993.1 | 990.8 | 988.4 | 990.8 | 993.1 | 993.7 | 990.4 | 985.9 | 983.7 | 984.7 |
| 180° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 0° | 908.2 | 908.2 | 908.2 | 908.2 | 908.2 |
| 2.5° | 897.0 | 901.4 | 903.9 | 907.3 | 916.0 |
| 5° | 862.7 | 879.0 | 884.2 | 897.0 | 912.5 |
| 7.5° | 787.1 | 836.9 | 850.6 | 881.5 | 905.6 |
| 10° | 714.1 | 763.8 | 787.9 | 861.0 | 897.0 |
| 12.5° | 677.1 | 706.3 | 722.6 | 824.8 | 885.0 |
| 15° | 653.8 | 674.5 | 686.5 | 776.7 | 871.3 |
| 17.5° | 635.8 | 650.4 | 659.0 | 729.5 | 852.3 |
| 20° | 624.6 | 631.5 | 639.2 | 695.1 | 830.9 |
| 22.5° | 616.9 | 612.7 | 618.6 | 671.1 | 801.7 |
| 25° | 611.8 | 595.4 | 602.3 | 652.1 | 767.3 |
| 27.5° | 616.1 | 580.0 | 582.6 | 635.0 | 731.2 |
| 30° | 616.9 | 561.1 | 561.9 | 616.9 | 690.8 |
| 32.5° | 611.0 | 541.3 | 542.2 | 594.6 | 645.3 |
| 35° | 596.3 | 518.1 | 517.3 | 568.8 | 583.5 |
| 37.5° | 576.5 | 493.2 | 493.2 | 540.5 | 515.6 |
| 40° | 552.4 | 468.3 | 470.9 | 503.5 | 455.4 |
| 42.5° | 523.2 | 441.7 | 445.1 | 454.6 | 410.8 |
| 45° | 491.5 | 415.9 | 418.4 | 384.1 | 376.3 |
| 47.5° | 456.3 | 389.2 | 390.1 | 318.8 | 365.1 |
| 50° | 414.2 | 361.7 | 358.3 | 273.2 | 364.3 |
| 52.5° | 377.2 | 331.7 | 321.3 | 247.4 | 330.8 |
| 55° | 341.1 | 299.9 | 277.5 | 227.7 | 306.7 |
| 57.5° | 309.4 | 258.6 | 237.2 | 204.5 | 301.6 |
| 60° | 280.1 | 218.2 | 201.9 | 179.5 | 276.7 |
| 62.5° | 256.1 | 188.2 | 184.7 | 162.4 | 250.9 |
| 65° | 230.3 | 167.6 | 166.7 | 147.8 | 213.1 |
| 67.5° | 205.3 | 153.8 | 153.0 | 134.0 | 162.4 |
| 70° | 178.7 | 139.2 | 137.5 | 119.4 | 120.3 |
| 72.5° | 151.3 | 122.9 | 121.1 | 107.4 | 99.7 |
| 75° | 123.8 | 103.9 | 103.1 | 93.7 | 80.8 |
| 77.5° | 97.1 | 82.5 | 84.2 | 75.6 | 59.3 |
| 80° | 69.6 | 60.1 | 61.8 | 54.2 | 44.7 |
| 82.5° | 46.4 | 39.5 | 41.3 | 34.3 | 30.1 |
| 85° | 25.8 | 22.4 | 23.2 | 18.0 | 13.8 |
| 87.5° | 12.0 | 10.3 | 10.3 | 6.8 | 4.3 |
| 90° | 29.1 | 18.5 | 17.3 | 12.0 | 6.7 |
| 92.5° | 180.0 | 128.0 | 116.8 | 71.7 | 26.6 |
| 95° | 442.9 | 249.4 | 228.7 | 146.2 | 63.7 |
| 97.5° | 596.5 | 273.9 | 255.7 | 182.9 | 110.1 |
| 100° | 652.5 | 294.5 | 278.0 | 212.0 | 146.0 |
| 102.5° | 678.2 | 315.1 | 299.7 | 238.0 | 176.5 |
| 105° | 697.1 | 345.6 | 332.5 | 280.4 | 228.2 |
| 107.5° | 700.7 | 390.7 | 378.5 | 329.9 | 281.3 |
| 110° | 695.3 | 415.9 | 404.9 | 361.0 | 317.1 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 695.6 | 446.5 | 435.9 | 394.1 | 352.2 |
| 115° | 702.1 | 492.2 | 482.6 | 443.9 | 405.3 |
| 117.5° | 715.1 | 536.6 | 527.9 | 492.8 | 457.7 |
| 120° | 725.7 | 562.5 | 554.2 | 521.3 | 488.2 |
| 122.5° | 741.0 | 593.0 | 584.7 | 551.4 | 518.1 |
| 125° | 761.5 | 632.1 | 624.5 | 594.2 | 563.8 |
| 127.5° | 782.1 | 670.0 | 662.3 | 631.6 | 601.0 |
| 130° | 797.1 | 695.2 | 686.9 | 653.9 | 620.9 |
| 132.5° | 809.3 | 715.8 | 707.5 | 674.5 | 641.5 |
| 135° | 822.5 | 739.6 | 732.1 | 702.0 | 671.9 |
| 137.5° | 842.4 | 770.2 | 762.7 | 732.9 | 703.1 |
| 140° | 854.6 | 790.7 | 783.8 | 756.4 | 729.0 |
| 142.5° | 864.8 | 806.0 | 799.6 | 774.3 | 748.9 |
| 145° | 878.0 | 829.2 | 823.6 | 801.5 | 779.4 |
| 147.5° | 897.5 | 858.4 | 853.0 | 831.5 | 810.0 |
| 150° | 907.7 | 873.6 | 868.7 | 849.3 | 829.9 |
| 152.5° | 914.3 | 883.6 | 879.9 | 865.1 | 850.4 |
| 155° | 928.9 | 905.5 | 902.7 | 891.9 | 880.9 |
| 157.5° | 943.5 | 927.3 | 924.7 | 914.1 | 903.5 |
| 160° | 950.1 | 937.3 | 935.3 | 927.0 | 918.7 |
| 162.5° | 957.2 | 947.9 | 946.4 | 940.1 | 934.0 |
| 165° | 967.4 | 963.2 | 961.8 | 956.2 | 950.6 |
| 167.5° | 975.3 | 971.8 | 971.1 | 968.5 | 965.8 |
| 170° | 982.0 | 981.7 | 981.1 | 978.4 | 975.8 |
| 172.5° | 982.4 | 982.4 | 982.2 | 981.6 | 981.1 |
| 175° | 986.4 | 988.4 | 988.4 | 988.4 | 988.4 |
| 177.5° | 986.9 | 988.4 | 988.4 | 988.4 | 988.4 |
| 180° | 988.4 | 988.4 | 988.4 | 988.4 | 988.4 |



TEST NUMBER: P935437

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-6-2700K

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 8.14 | 8.83 | 9.28 | 9.95 | 11.52 | 10.97 | 11.66 | 12.10 | 12.78 | 14.35 |
| | 3H | 8.61 | 9.22 | 9.75 | 10.35 | 11.94 | 12.30 | 12.91 | 13.44 | 14.05 | 15.63 |
| | 4H | 8.79 | 9.37 | 9.94 | 10.51 | 12.09 | 12.73 | 13.32 | 13.88 | 14.45 | 16.04 |
| | 6H | 8.90 | 9.44 | 10.06 | 10.57 | 12.17 | 13.01 | 13.54 | 14.17 | 14.68 | 16.28 |
| | 8H | 8.90 | 9.41 | 10.06 | 10.56 | 12.15 | 13.08 | 13.59 | 14.24 | 14.74 | 16.33 |
| | 12H | 8.86 | 9.35 | 10.03 | 10.49 | 12.10 | 13.11 | 13.59 | 14.27 | 14.74 | 16.35 |
| 4H | 2H | 9.15 | 9.74 | 10.31 | 10.87 | 12.46 | 11.36 | 11.94 | 12.51 | 13.07 | 14.66 |
| | 3H | 10.16 | 10.65 | 11.33 | 11.81 | 13.41 | 12.84 | 13.33 | 14.01 | 14.49 | 16.09 |
| | 4H | 10.43 | 10.88 | 11.60 | 12.03 | 13.65 | 13.36 | 13.81 | 14.53 | 14.96 | 16.58 |
| | 6H | 10.55 | 10.93 | 11.72 | 12.10 | 13.71 | 13.72 | 14.10 | 14.89 | 15.27 | 16.88 |
| | 8H | 10.55 | 10.91 | 11.72 | 12.07 | 13.69 | 13.82 | 14.18 | 14.99 | 15.34 | 16.96 |
| | 12H | 10.51 | 10.83 | 11.69 | 12.00 | 13.63 | 13.87 | 14.19 | 15.05 | 15.36 | 16.99 |
| 8H | 4H | 10.87 | 11.23 | 12.04 | 12.39 | 14.02 | 13.47 | 13.83 | 14.64 | 14.99 | 16.62 |
| | 6H | 11.12 | 11.42 | 12.31 | 12.62 | 14.25 | 13.90 | 14.20 | 15.09 | 15.40 | 17.02 |
| | 8H | 11.17 | 11.42 | 12.36 | 12.60 | 14.25 | 14.05 | 14.31 | 15.25 | 15.49 | 17.13 |
| | 12H | 11.14 | 11.37 | 12.34 | 12.55 | 14.22 | 14.14 | 14.37 | 15.34 | 15.54 | 17.22 |
| 12H | 4H | 10.87 | 11.19 | 12.05 | 12.36 | 14.00 | 13.43 | 13.75 | 14.62 | 14.93 | 16.56 |
| | 6H | 11.18 | 11.44 | 12.38 | 12.62 | 14.27 | 13.90 | 14.15 | 15.09 | 15.34 | 16.98 |
| | 8H | 11.24 | 11.47 | 12.44 | 12.65 | 14.32 | 14.05 | 14.27 | 15.25 | 15.45 | 17.13 |