

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: P935005

Luminaire Tested: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935005
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

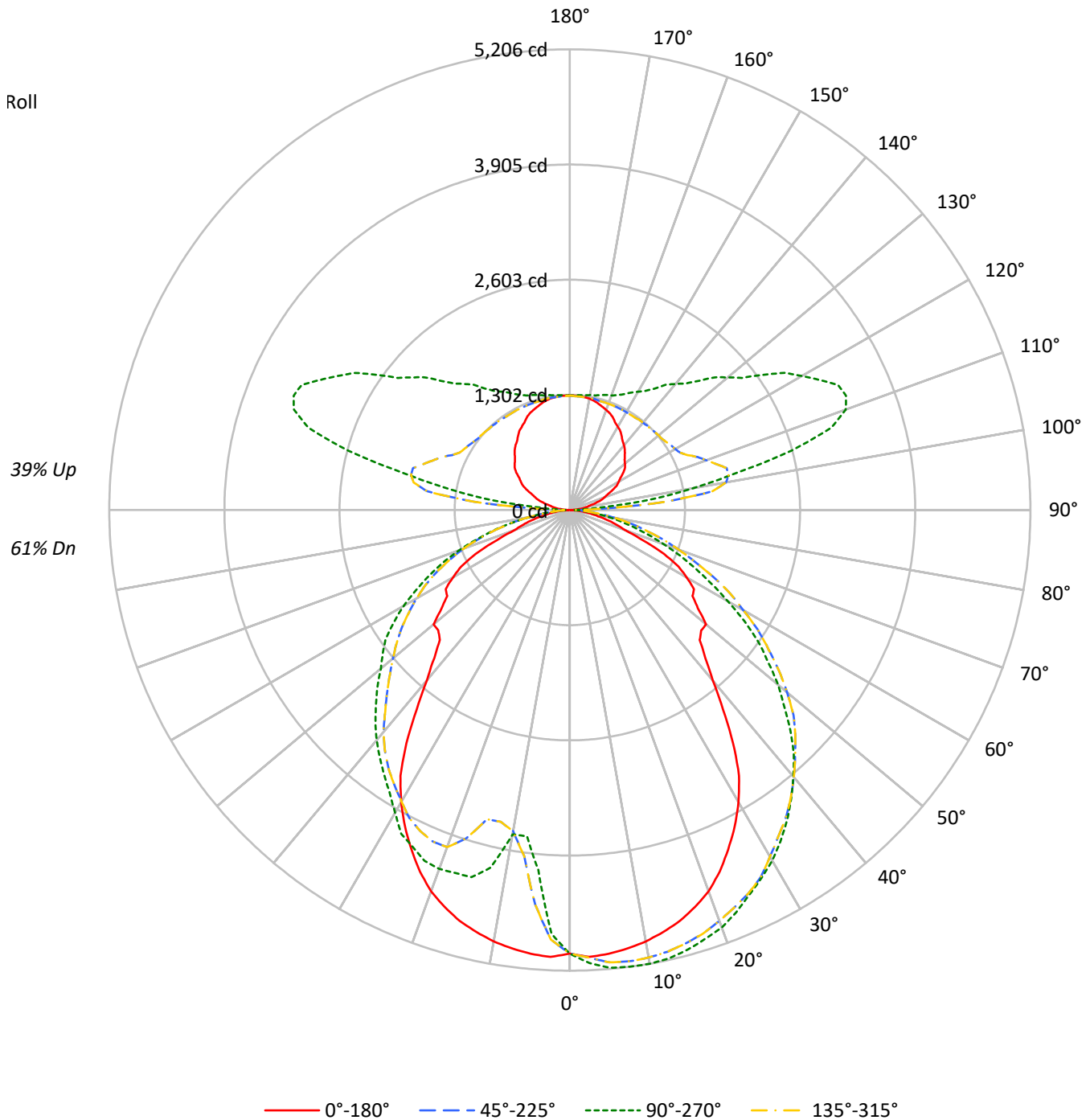
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21389.5 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
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: P935005
CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 66 | 66 | 66 | 61 |
| 1 | 100 | 96 | 92 | 88 | 94 | 90 | 86 | 83 | 79 | 76 | 74 | 68 | 66 | 65 | 59 | 57 | 56 | 56 | 56 | 56 | 51 |
| 2 | 91 | 84 | 78 | 72 | 85 | 79 | 73 | 68 | 69 | 65 | 61 | 60 | 57 | 54 | 52 | 49 | 47 | 47 | 47 | 47 | 43 |
| 3 | 83 | 74 | 66 | 60 | 78 | 69 | 63 | 57 | 61 | 56 | 51 | 53 | 49 | 46 | 46 | 43 | 40 | 40 | 40 | 40 | 36 |
| 4 | 76 | 65 | 57 | 51 | 71 | 61 | 54 | 49 | 54 | 48 | 44 | 47 | 43 | 39 | 41 | 37 | 35 | 35 | 35 | 35 | 31 |
| 5 | 70 | 58 | 50 | 44 | 65 | 55 | 47 | 42 | 48 | 42 | 38 | 42 | 38 | 34 | 37 | 33 | 30 | 30 | 30 | 30 | 27 |
| 6 | 65 | 52 | 44 | 38 | 60 | 49 | 42 | 36 | 44 | 37 | 33 | 38 | 33 | 30 | 33 | 29 | 26 | 26 | 26 | 26 | 24 |
| 7 | 60 | 47 | 39 | 33 | 56 | 45 | 37 | 32 | 39 | 33 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 23 | 23 | 23 | 21 |
| 8 | 55 | 43 | 35 | 29 | 52 | 40 | 33 | 28 | 36 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 21 | 21 | 21 | 19 |
| 9 | 52 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 33 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 19 | 19 | 19 | 17 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 25 | 21 | 27 | 22 | 19 | 24 | 20 | 17 | 17 | 17 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 15502 | 15502 | 15502 | 15502 |
| 5° | 15623 | 15649 | 15623 | 12305 |
| 10° | 15525 | 15414 | 15525 | 11020 |
| 15° | 15362 | 15081 | 15362 | 12592 |
| 20° | 15047 | 14685 | 15047 | 12619 |
| 25° | 14395 | 14108 | 14395 | 12351 |
| 30° | 13550 | 13629 | 13550 | 11765 |
| 35° | 12086 | 13023 | 12086 | 11119 |
| 40° | 10076 | 12309 | 10076 | 10632 |
| 45° | 9009 | 11474 | 9009 | 10071 |
| 50° | 9579 | 10479 | 9579 | 9508 |
| 55° | 9021 | 9406 | 9021 | 9183 |
| 60° | 9311 | 7988 | 9311 | 8411 |
| 65° | 8455 | 6604 | 8455 | 7381 |
| 70° | 5869 | 5262 | 5869 | 6188 |
| 75° | 5166 | 3890 | 5166 | 4658 |
| 80° | 4194 | 2572 | 4194 | 2801 |
| 85° | 2456 | 1362 | 2456 | 1158 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13799 cd/sqm



TEST NUMBER: P935005

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 452.4 | 2.1 |
| 10°-20° | 1284.5 | 6.0 |
| 20°-30° | 1985.6 | 9.3 |
| 30°-40° | 2370.4 | 11.1 |
| 40°-50° | 2384.3 | 11.1 |
| 50°-60° | 2074.6 | 9.7 |
| 60°-70° | 1470.9 | 6.9 |
| 70°-80° | 778.2 | 3.6 |
| 80°-90° | 198.8 | 0.9 |
| 90°-100° | 630.9 | 2.9 |
| 100°-110° | 1658.6 | 7.8 |
| 110°-120° | 1719.8 | 8.0 |
| 120°-130° | 1379.5 | 6.4 |
| 130°-140° | 1082.4 | 5.1 |
| 140°-150° | 830.8 | 3.9 |
| 150°-160° | 598.3 | 2.8 |
| 160°-170° | 366.1 | 1.7 |
| 170°-180° | 123.7 | 0.6 |
| 0°-30° | 3722.5 | 17.4 |
| 0°-40° | 6092.9 | 28.5 |
| 0°-60° | 10551.8 | 49.3 |
| 0°-90° | 12999.7 | 60.8 |
| 90°-120° | 4009.2 | 18.7 |
| 90°-150° | 7301.8 | 34.1 |
| 90°-180° | 8390.0 | 39.2 |
| 0°-180° | 21389.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 5012 | 5012 | 5012 | 5012 | 5012 | |
| 5° | 5036 | 5192 | 5036 | 4082 | 5036 | 478 |
| 15° | 4808 | 5145 | 4808 | 4296 | 4808 | 1353 |
| 25° | 4234 | 4798 | 4234 | 4201 | 4234 | 1944 |
| 35° | 3220 | 4282 | 3220 | 3656 | 3220 | 1992 |
| 45° | 2077 | 3528 | 2077 | 3096 | 2077 | 1664 |
| 55° | 1693 | 2603 | 1693 | 2542 | 1693 | 1555 |
| 65° | 1176 | 1570 | 1176 | 1754 | 1176 | 1124 |
| 75° | 446 | 744 | 446 | 891 | 446 | 469 |
| 85° | 76 | 190 | 76 | 161 | 76 | 102 |
| 90° | 9 | 33 | 9 | 33 | 9 | 10 |
| 95° | 83 | 381 | 83 | 381 | 83 | 93 |
| 105° | 299 | 2597 | 299 | 2597 | 299 | 317 |
| 115° | 531 | 3344 | 531 | 3344 | 531 | 524 |
| 125° | 738 | 2663 | 738 | 2663 | 738 | 656 |
| 135° | 880 | 2066 | 880 | 2066 | 880 | 681 |
| 145° | 1021 | 1676 | 1021 | 1676 | 1021 | 639 |
| 155° | 1154 | 1444 | 1154 | 1444 | 1154 | 530 |
| 165° | 1245 | 1345 | 1245 | 1345 | 1245 | 351 |
| 175° | 1294 | 1303 | 1294 | 1303 | 1294 | 123 |
| 180° | 1294 | 1294 | 1294 | 1294 | 1294 | |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 |
| 2.5° | 5054.5 | 5054.5 | 5082.9 | 5092.4 | 5092.4 | 5078.2 | 5064.0 | 5078.2 | 5120.8 | 5135.1 | 5130.4 |
| 5° | 5035.5 | 5073.5 | 5125.6 | 5135.1 | 5144.6 | 5139.8 | 5130.4 | 5139.8 | 5187.2 | 5196.8 | 5201.4 |
| 7.5° | 4997.6 | 5068.7 | 5135.1 | 5149.3 | 5163.5 | 5149.3 | 5144.6 | 5154.1 | 5201.4 | 5211.0 | 5211.0 |
| 10° | 4950.2 | 5049.8 | 5125.6 | 5135.1 | 5149.3 | 5135.1 | 5135.1 | 5154.1 | 5201.4 | 5211.0 | 5215.7 |
| 12.5° | 4883.8 | 5021.3 | 5092.4 | 5101.9 | 5120.8 | 5116.1 | 5111.4 | 5130.4 | 5177.7 | 5187.2 | 5187.2 |
| 15° | 4808.0 | 4969.2 | 5035.5 | 5045.0 | 5078.2 | 5068.7 | 5068.7 | 5087.7 | 5139.8 | 5154.1 | 5149.3 |
| 17.5° | 4703.6 | 4902.8 | 4978.6 | 4992.9 | 5016.5 | 5011.8 | 5016.5 | 5035.5 | 5082.9 | 5092.4 | 5097.1 |
| 20° | 4585.1 | 4812.6 | 4902.8 | 4916.9 | 4940.7 | 4940.7 | 4940.7 | 4964.4 | 5011.8 | 5030.8 | 5030.8 |
| 22.5° | 4423.9 | 4717.8 | 4812.6 | 4822.1 | 4850.6 | 4850.6 | 4860.1 | 4893.2 | 4935.9 | 4940.7 | 4940.7 |
| 25° | 4234.2 | 4613.5 | 4694.1 | 4722.6 | 4751.1 | 4765.3 | 4779.5 | 4798.4 | 4812.6 | 4808.0 | 4812.6 |
| 27.5° | 4035.1 | 4480.8 | 4585.1 | 4604.1 | 4642.0 | 4656.2 | 4675.1 | 4679.9 | 4684.7 | 4698.9 | 4689.4 |
| 30° | 3812.2 | 4295.8 | 4452.3 | 4471.2 | 4532.9 | 4542.4 | 4523.5 | 4532.9 | 4556.6 | 4566.1 | 4575.6 |
| 32.5° | 3560.9 | 4020.9 | 4314.8 | 4357.5 | 4414.4 | 4386.0 | 4381.2 | 4395.4 | 4433.3 | 4433.3 | 4442.9 |
| 35° | 3219.5 | 3807.5 | 4186.7 | 4224.7 | 4267.4 | 4234.2 | 4253.2 | 4257.9 | 4281.6 | 4295.8 | 4291.1 |
| 37.5° | 2845.0 | 3622.5 | 4054.0 | 4082.5 | 4115.7 | 4073.0 | 4101.5 | 4115.7 | 4134.6 | 4125.1 | 4125.1 |
| 40° | 2513.0 | 3333.3 | 3897.6 | 3916.5 | 3944.9 | 3911.8 | 3940.3 | 3949.7 | 3959.2 | 3949.7 | 3944.9 |
| 42.5° | 2266.4 | 3015.6 | 3731.6 | 3755.3 | 3736.4 | 3760.0 | 3769.5 | 3788.5 | 3774.3 | 3755.3 | 3755.3 |
| 45° | 2076.7 | 2930.2 | 3551.4 | 3579.8 | 3551.4 | 3589.4 | 3603.6 | 3603.6 | 3560.9 | 3551.4 | 3546.7 |
| 47.5° | 2015.2 | 2759.6 | 3371.3 | 3371.3 | 3357.0 | 3404.4 | 3428.2 | 3394.9 | 3352.3 | 3338.0 | 3338.0 |
| 50° | 2010.4 | 2569.9 | 3124.7 | 3105.7 | 3172.1 | 3229.0 | 3205.3 | 3172.1 | 3138.9 | 3086.8 | 3086.8 |
| 52.5° | 1825.5 | 2337.6 | 2807.0 | 2878.1 | 2982.4 | 3015.6 | 2977.7 | 2944.5 | 2887.6 | 2863.9 | 2845.0 |
| 55° | 1692.7 | 2095.8 | 2517.8 | 2660.0 | 2769.0 | 2811.7 | 2740.6 | 2707.4 | 2622.1 | 2607.8 | 2598.4 |
| 57.5° | 1664.3 | 1744.9 | 2252.2 | 2432.4 | 2565.1 | 2560.5 | 2517.8 | 2456.1 | 2385.0 | 2370.8 | 2366.0 |
| 60° | 1526.8 | 1261.3 | 1967.8 | 2181.1 | 2318.7 | 2304.4 | 2266.4 | 2209.6 | 2143.2 | 2133.7 | 2124.2 |
| 62.5° | 1384.6 | 915.1 | 1645.3 | 1887.1 | 2081.5 | 2076.7 | 2043.6 | 1958.2 | 1910.9 | 1887.1 | 1868.2 |
| 65° | 1175.9 | 768.1 | 1171.1 | 1569.5 | 1849.2 | 1858.7 | 1787.6 | 1725.9 | 1673.7 | 1645.3 | 1640.6 |
| 67.5° | 896.2 | 625.9 | 791.8 | 1308.6 | 1626.4 | 1616.8 | 1526.8 | 1498.3 | 1431.9 | 1417.7 | 1389.2 |
| 70° | 663.8 | 417.2 | 550.0 | 1062.1 | 1408.2 | 1384.6 | 1313.4 | 1280.2 | 1218.6 | 1185.3 | 1166.4 |
| 72.5° | 550.0 | 336.6 | 403.0 | 825.0 | 1185.3 | 1156.9 | 1095.3 | 1057.4 | 1005.2 | 976.8 | 957.8 |
| 75° | 445.7 | 355.6 | 308.2 | 611.7 | 962.5 | 943.5 | 886.6 | 848.7 | 806.0 | 768.1 | 772.9 |
| 77.5° | 327.2 | 331.9 | 246.6 | 450.5 | 763.4 | 735.0 | 701.7 | 654.4 | 635.4 | 597.5 | 597.5 |
| 80° | 246.6 | 260.8 | 184.9 | 308.2 | 550.0 | 550.0 | 521.5 | 488.4 | 455.2 | 436.2 | 436.2 |
| 82.5° | 166.0 | 166.0 | 137.5 | 194.4 | 374.6 | 360.3 | 341.4 | 331.9 | 313.0 | 303.5 | 303.5 |
| 85° | 75.8 | 94.8 | 85.4 | 118.5 | 203.9 | 213.3 | 213.3 | 203.9 | 199.1 | 189.7 | 194.4 |
| 87.5° | 23.7 | 42.7 | 52.1 | 66.4 | 104.3 | 109.1 | 113.8 | 113.8 | 113.8 | 118.5 | 118.5 |
| 90° | 8.7 | 15.6 | 22.5 | 24.3 | 38.2 | 56.8 | 66.0 | 58.7 | 44.0 | 33.0 | 33.0 |
| 92.5° | 34.7 | 93.8 | 152.9 | 167.7 | 235.6 | 326.3 | 371.7 | 325.8 | 234.0 | 165.0 | 158.5 |
| 95° | 83.4 | 191.5 | 299.6 | 326.6 | 579.9 | 917.7 | 1086.6 | 969.7 | 735.7 | 560.2 | 540.3 |
| 97.5° | 144.2 | 239.6 | 334.9 | 358.7 | 781.2 | 1344.4 | 1626.0 | 1552.0 | 1404.2 | 1293.3 | 1255.5 |
| 100° | 191.1 | 277.6 | 364.1 | 385.6 | 854.4 | 1479.4 | 1791.9 | 1797.3 | 1808.1 | 1816.3 | 1771.1 |
| 102.5° | 231.1 | 311.8 | 392.4 | 412.5 | 888.0 | 1521.9 | 1838.9 | 1933.0 | 2121.4 | 2262.7 | 2224.1 |
| 105° | 298.8 | 367.2 | 435.4 | 452.5 | 912.9 | 1526.7 | 1833.6 | 2044.8 | 2467.2 | 2783.9 | 2763.1 |
| 107.5° | 368.3 | 432.0 | 495.7 | 511.6 | 917.6 | 1458.8 | 1729.4 | 2024.0 | 2613.1 | 3054.8 | 3059.9 |
| 110° | 415.2 | 472.7 | 530.2 | 544.6 | 910.6 | 1398.6 | 1642.5 | 1971.9 | 2630.4 | 3124.3 | 3145.9 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 461.2 | 516.0 | 570.9 | 584.6 | 910.9 | 1346.0 | 1563.5 | 1900.5 | 2574.6 | 3080.1 | 3113.2 |
| 115° | 530.7 | 581.2 | 631.9 | 644.5 | 919.2 | 1285.7 | 1468.8 | 1793.5 | 2442.8 | 2929.8 | 2975.8 |
| 117.5° | 599.3 | 645.3 | 691.2 | 702.6 | 936.3 | 1247.8 | 1403.6 | 1696.6 | 2282.6 | 2722.1 | 2773.2 |
| 120° | 639.3 | 682.6 | 725.7 | 736.6 | 950.3 | 1235.1 | 1377.6 | 1645.2 | 2180.7 | 2582.3 | 2631.9 |
| 122.5° | 678.4 | 722.0 | 765.6 | 776.5 | 970.2 | 1228.5 | 1357.6 | 1598.6 | 2080.9 | 2442.5 | 2491.4 |
| 125° | 738.3 | 778.1 | 817.9 | 827.8 | 997.1 | 1223.0 | 1335.9 | 1540.7 | 1950.3 | 2257.5 | 2302.6 |
| 127.5° | 787.0 | 827.2 | 867.3 | 877.3 | 1024.1 | 1219.8 | 1317.7 | 1493.6 | 1845.2 | 2109.0 | 2147.0 |
| 130° | 813.0 | 856.3 | 899.4 | 910.3 | 1043.7 | 1221.7 | 1310.7 | 1467.2 | 1780.3 | 2015.1 | 2050.2 |
| 132.5° | 839.9 | 883.2 | 926.3 | 937.2 | 1059.6 | 1223.0 | 1304.6 | 1444.7 | 1725.0 | 1935.2 | 1966.7 |
| 135° | 879.9 | 919.2 | 958.7 | 968.5 | 1077.1 | 1221.9 | 1294.2 | 1411.6 | 1646.3 | 1822.3 | 1849.4 |
| 137.5° | 920.7 | 959.7 | 998.7 | 1008.4 | 1103.1 | 1229.3 | 1292.5 | 1391.7 | 1590.1 | 1738.9 | 1761.2 |
| 140° | 954.5 | 990.4 | 1026.4 | 1035.3 | 1119.0 | 1230.6 | 1286.4 | 1372.1 | 1543.5 | 1672.0 | 1692.8 |
| 142.5° | 980.6 | 1013.9 | 1047.0 | 1055.3 | 1132.4 | 1235.0 | 1286.4 | 1361.7 | 1512.2 | 1625.2 | 1643.0 |
| 145° | 1020.6 | 1049.5 | 1078.5 | 1085.8 | 1149.8 | 1235.0 | 1277.7 | 1339.3 | 1462.5 | 1554.8 | 1568.4 |
| 147.5° | 1060.6 | 1088.8 | 1117.0 | 1124.0 | 1175.3 | 1243.5 | 1277.7 | 1326.2 | 1423.0 | 1495.7 | 1506.9 |
| 150° | 1086.6 | 1112.1 | 1137.6 | 1144.0 | 1188.5 | 1248.0 | 1277.7 | 1318.6 | 1400.4 | 1461.8 | 1470.9 |
| 152.5° | 1113.5 | 1132.8 | 1152.1 | 1156.9 | 1197.2 | 1250.9 | 1277.7 | 1312.6 | 1382.5 | 1434.9 | 1441.7 |
| 155° | 1153.5 | 1167.8 | 1182.1 | 1185.6 | 1216.3 | 1257.3 | 1277.7 | 1305.5 | 1361.1 | 1402.8 | 1407.4 |
| 157.5° | 1183.0 | 1196.9 | 1210.8 | 1214.3 | 1235.4 | 1263.6 | 1277.7 | 1299.3 | 1342.5 | 1374.9 | 1378.1 |
| 160° | 1203.0 | 1213.8 | 1224.7 | 1227.4 | 1244.2 | 1266.5 | 1277.7 | 1296.2 | 1333.3 | 1361.1 | 1363.0 |
| 162.5° | 1223.0 | 1231.1 | 1239.1 | 1241.2 | 1253.3 | 1269.6 | 1277.7 | 1293.3 | 1324.6 | 1348.0 | 1349.8 |
| 165° | 1244.7 | 1252.0 | 1259.3 | 1261.2 | 1266.7 | 1274.1 | 1277.7 | 1288.9 | 1311.2 | 1328.1 | 1329.9 |
| 167.5° | 1264.6 | 1268.1 | 1271.6 | 1272.5 | 1277.2 | 1283.3 | 1286.4 | 1293.7 | 1308.3 | 1319.4 | 1320.1 |
| 170° | 1277.7 | 1281.2 | 1284.7 | 1285.6 | 1285.8 | 1286.2 | 1286.4 | 1293.7 | 1308.3 | 1319.4 | 1319.4 |
| 172.5° | 1284.6 | 1285.4 | 1286.2 | 1286.4 | 1286.4 | 1286.4 | 1286.4 | 1292.2 | 1303.8 | 1312.5 | 1311.8 |
| 175° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1291.6 | 1288.2 | 1286.4 | 1290.0 | 1297.4 | 1302.9 | 1302.9 |
| 177.5° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1292.2 | 1289.5 | 1288.2 | 1291.1 | 1296.9 | 1301.2 | 1300.4 |
| 180° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 |
| 2.5° | 5139.8 | 5125.6 | 5139.8 | 5130.4 | 5135.1 | 5120.8 | 5078.2 | 5064.0 | 5078.2 | 5092.4 | 5092.4 |
| 5° | 5201.4 | 5192.0 | 5201.4 | 5201.4 | 5196.8 | 5187.2 | 5139.8 | 5130.4 | 5139.8 | 5144.6 | 5135.1 |
| 7.5° | 5220.4 | 5206.2 | 5220.4 | 5211.0 | 5211.0 | 5201.4 | 5154.1 | 5144.6 | 5149.3 | 5163.5 | 5149.3 |
| 10° | 5220.4 | 5206.2 | 5220.4 | 5215.7 | 5211.0 | 5201.4 | 5154.1 | 5135.1 | 5135.1 | 5149.3 | 5135.1 |
| 12.5° | 5196.8 | 5187.2 | 5196.8 | 5187.2 | 5187.2 | 5177.7 | 5130.4 | 5111.4 | 5116.1 | 5120.8 | 5101.9 |
| 15° | 5158.8 | 5144.6 | 5158.8 | 5149.3 | 5154.1 | 5139.8 | 5087.7 | 5068.7 | 5068.7 | 5078.2 | 5045.0 |
| 17.5° | 5101.9 | 5082.9 | 5101.9 | 5097.1 | 5092.4 | 5082.9 | 5035.5 | 5016.5 | 5011.8 | 5016.5 | 4992.9 |
| 20° | 5035.5 | 5021.3 | 5035.5 | 5030.8 | 5030.8 | 5011.8 | 4964.4 | 4940.7 | 4940.7 | 4940.7 | 4916.9 |
| 22.5° | 4931.2 | 4916.9 | 4931.2 | 4940.7 | 4940.7 | 4935.9 | 4893.2 | 4860.1 | 4850.6 | 4850.6 | 4822.1 |
| 25° | 4812.6 | 4798.4 | 4812.6 | 4812.6 | 4808.0 | 4812.6 | 4798.4 | 4779.5 | 4765.3 | 4751.1 | 4722.6 |
| 27.5° | 4698.9 | 4689.4 | 4698.9 | 4689.4 | 4698.9 | 4684.7 | 4679.9 | 4675.1 | 4656.2 | 4642.0 | 4604.1 |
| 30° | 4585.1 | 4575.6 | 4585.1 | 4575.6 | 4566.1 | 4556.6 | 4532.9 | 4523.5 | 4542.4 | 4532.9 | 4471.2 |
| 32.5° | 4442.9 | 4433.3 | 4442.9 | 4442.9 | 4433.3 | 4433.3 | 4395.4 | 4381.2 | 4386.0 | 4414.4 | 4357.5 |
| 35° | 4295.8 | 4281.6 | 4295.8 | 4291.1 | 4295.8 | 4281.6 | 4257.9 | 4253.2 | 4234.2 | 4267.4 | 4224.7 |
| 37.5° | 4125.1 | 4110.9 | 4125.1 | 4125.1 | 4125.1 | 4134.6 | 4115.7 | 4101.5 | 4073.0 | 4115.7 | 4082.5 |
| 40° | 3949.7 | 3930.7 | 3949.7 | 3944.9 | 3949.7 | 3959.2 | 3949.7 | 3940.3 | 3911.8 | 3944.9 | 3916.5 |
| 42.5° | 3750.6 | 3745.8 | 3750.6 | 3755.3 | 3755.3 | 3774.3 | 3788.5 | 3769.5 | 3760.0 | 3736.4 | 3755.3 |
| 45° | 3537.2 | 3527.7 | 3537.2 | 3546.7 | 3551.4 | 3560.9 | 3603.6 | 3603.6 | 3589.4 | 3551.4 | 3579.8 |
| 47.5° | 3309.6 | 3285.9 | 3309.6 | 3338.0 | 3338.0 | 3352.3 | 3394.9 | 3428.2 | 3404.4 | 3357.0 | 3371.3 |
| 50° | 3067.8 | 3072.5 | 3067.8 | 3086.8 | 3086.8 | 3138.9 | 3172.1 | 3205.3 | 3229.0 | 3172.1 | 3105.7 |
| 52.5° | 2830.7 | 2826.0 | 2830.7 | 2845.0 | 2863.9 | 2887.6 | 2944.5 | 2977.7 | 3015.6 | 2982.4 | 2878.1 |
| 55° | 2593.6 | 2603.2 | 2593.6 | 2598.4 | 2607.8 | 2622.1 | 2707.4 | 2740.6 | 2811.7 | 2769.0 | 2660.0 |
| 57.5° | 2356.6 | 2342.3 | 2356.6 | 2366.0 | 2370.8 | 2385.0 | 2456.1 | 2517.8 | 2560.5 | 2565.1 | 2432.4 |
| 60° | 2081.5 | 2062.6 | 2081.5 | 2124.2 | 2133.7 | 2143.2 | 2209.6 | 2266.4 | 2304.4 | 2318.7 | 2181.1 |
| 62.5° | 1839.7 | 1806.5 | 1839.7 | 1868.2 | 1887.1 | 1910.9 | 1958.2 | 2043.6 | 2076.7 | 2081.5 | 1887.1 |
| 65° | 1583.7 | 1569.5 | 1583.7 | 1640.6 | 1645.3 | 1673.7 | 1725.9 | 1787.6 | 1858.7 | 1849.2 | 1569.5 |
| 67.5° | 1351.3 | 1351.3 | 1351.3 | 1389.2 | 1417.7 | 1431.9 | 1498.3 | 1526.8 | 1616.8 | 1626.4 | 1308.6 |
| 70° | 1138.0 | 1133.2 | 1138.0 | 1166.4 | 1185.3 | 1218.6 | 1280.2 | 1313.4 | 1384.6 | 1408.2 | 1062.1 |
| 72.5° | 934.1 | 929.3 | 934.1 | 957.8 | 976.8 | 1005.2 | 1057.4 | 1095.3 | 1156.9 | 1185.3 | 825.0 |
| 75° | 753.9 | 744.4 | 753.9 | 772.9 | 768.1 | 806.0 | 848.7 | 886.6 | 943.5 | 962.5 | 611.7 |
| 77.5° | 578.4 | 578.4 | 578.4 | 597.5 | 597.5 | 635.4 | 654.4 | 701.7 | 735.0 | 763.4 | 450.5 |
| 80° | 431.5 | 426.7 | 431.5 | 436.2 | 436.2 | 455.2 | 488.4 | 521.5 | 550.0 | 550.0 | 308.2 |
| 82.5° | 303.5 | 293.9 | 303.5 | 303.5 | 303.5 | 313.0 | 331.9 | 341.4 | 360.3 | 374.6 | 194.4 |
| 85° | 189.7 | 189.7 | 189.7 | 194.4 | 189.7 | 199.1 | 203.9 | 213.3 | 213.3 | 203.9 | 118.5 |
| 87.5° | 123.3 | 118.5 | 123.3 | 118.5 | 118.5 | 113.8 | 113.8 | 113.8 | 109.1 | 104.3 | 66.4 |
| 90° | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 44.0 | 58.7 | 66.0 | 56.8 | 38.2 | 24.3 |
| 92.5° | 132.3 | 106.0 | 132.3 | 158.5 | 165.0 | 234.0 | 325.8 | 371.7 | 326.3 | 235.6 | 167.7 |
| 95° | 460.8 | 381.4 | 460.8 | 540.3 | 560.2 | 735.7 | 969.7 | 1086.6 | 917.7 | 579.9 | 326.6 |
| 97.5° | 1104.2 | 952.9 | 1104.2 | 1255.5 | 1293.3 | 1404.2 | 1552.0 | 1626.0 | 1344.4 | 781.2 | 358.7 |
| 100° | 1590.9 | 1410.6 | 1590.9 | 1771.1 | 1816.3 | 1808.1 | 1797.3 | 1791.9 | 1479.4 | 854.4 | 385.6 |
| 102.5° | 2069.7 | 1915.3 | 2069.7 | 2224.1 | 2262.7 | 2121.4 | 1933.0 | 1838.9 | 1521.9 | 888.0 | 412.5 |
| 105° | 2680.1 | 2597.1 | 2680.1 | 2763.1 | 2783.9 | 2467.2 | 2044.8 | 1833.6 | 1526.7 | 912.9 | 452.5 |
| 107.5° | 3080.0 | 3100.0 | 3080.0 | 3059.9 | 3054.8 | 2613.1 | 2024.0 | 1729.4 | 1458.8 | 917.6 | 511.6 |
| 110° | 3232.4 | 3318.9 | 3232.4 | 3145.9 | 3124.3 | 2630.4 | 1971.9 | 1642.5 | 1398.6 | 910.6 | 544.6 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3246.0 | 3378.8 | 3246.0 | 3113.2 | 3080.1 | 2574.6 | 1900.5 | 1563.5 | 1346.0 | 910.9 | 584.6 |
| 115° | 3159.9 | 3344.1 | 3159.9 | 2975.8 | 2929.8 | 2442.8 | 1793.5 | 1468.8 | 1285.7 | 919.2 | 644.5 |
| 117.5° | 2977.4 | 3181.7 | 2977.4 | 2773.2 | 2722.1 | 2282.6 | 1696.6 | 1403.6 | 1247.8 | 936.3 | 702.6 |
| 120° | 2830.4 | 3028.8 | 2830.4 | 2631.9 | 2582.3 | 2180.7 | 1645.2 | 1377.6 | 1235.1 | 950.3 | 736.6 |
| 122.5° | 2687.1 | 2882.9 | 2687.1 | 2491.4 | 2442.5 | 2080.9 | 1598.6 | 1357.6 | 1228.5 | 970.2 | 776.5 |
| 125° | 2482.9 | 2663.1 | 2482.9 | 2302.6 | 2257.5 | 1950.3 | 1540.7 | 1335.9 | 1223.0 | 997.1 | 827.8 |
| 127.5° | 2299.1 | 2451.2 | 2299.1 | 2147.0 | 2109.0 | 1845.2 | 1493.6 | 1317.7 | 1219.8 | 1024.1 | 877.3 |
| 130° | 2190.8 | 2331.4 | 2190.8 | 2050.2 | 2015.1 | 1780.3 | 1467.2 | 1310.7 | 1221.7 | 1043.7 | 910.3 |
| 132.5° | 2092.5 | 2218.4 | 2092.5 | 1966.7 | 1935.2 | 1725.0 | 1444.7 | 1304.6 | 1223.0 | 1059.6 | 937.2 |
| 135° | 1957.9 | 2066.4 | 1957.9 | 1849.4 | 1822.3 | 1646.3 | 1411.6 | 1294.2 | 1221.9 | 1077.1 | 968.5 |
| 137.5° | 1849.9 | 1938.7 | 1849.9 | 1761.2 | 1738.9 | 1590.1 | 1391.7 | 1292.5 | 1229.3 | 1103.1 | 1008.4 |
| 140° | 1775.8 | 1858.8 | 1775.8 | 1692.8 | 1672.0 | 1543.5 | 1372.1 | 1286.4 | 1230.6 | 1119.0 | 1035.3 |
| 142.5° | 1714.5 | 1785.8 | 1714.5 | 1643.0 | 1625.2 | 1512.2 | 1361.7 | 1286.4 | 1235.0 | 1132.4 | 1055.3 |
| 145° | 1622.4 | 1676.3 | 1622.4 | 1568.4 | 1554.8 | 1462.5 | 1339.3 | 1277.7 | 1235.0 | 1149.8 | 1085.8 |
| 147.5° | 1551.7 | 1596.5 | 1551.7 | 1506.9 | 1495.7 | 1423.0 | 1326.2 | 1277.7 | 1243.5 | 1175.3 | 1124.0 |
| 150° | 1507.2 | 1543.5 | 1507.2 | 1470.9 | 1461.8 | 1400.4 | 1318.6 | 1277.7 | 1248.0 | 1188.5 | 1144.0 |
| 152.5° | 1469.2 | 1496.5 | 1469.2 | 1441.7 | 1434.9 | 1382.5 | 1312.6 | 1277.7 | 1250.9 | 1197.2 | 1156.9 |
| 155° | 1425.5 | 1443.6 | 1425.5 | 1407.4 | 1402.8 | 1361.1 | 1305.5 | 1277.7 | 1257.3 | 1216.3 | 1185.6 |
| 157.5° | 1390.9 | 1403.6 | 1390.9 | 1378.1 | 1374.9 | 1342.5 | 1299.3 | 1277.7 | 1263.6 | 1235.4 | 1214.3 |
| 160° | 1370.3 | 1377.6 | 1370.3 | 1363.0 | 1361.1 | 1333.3 | 1296.2 | 1277.7 | 1266.5 | 1244.2 | 1227.4 |
| 162.5° | 1356.7 | 1363.7 | 1356.7 | 1349.8 | 1348.0 | 1324.6 | 1293.3 | 1277.7 | 1269.6 | 1253.3 | 1241.2 |
| 165° | 1337.2 | 1344.6 | 1337.2 | 1329.9 | 1328.1 | 1311.2 | 1288.9 | 1277.7 | 1274.1 | 1266.7 | 1261.2 |
| 167.5° | 1323.3 | 1326.4 | 1323.3 | 1320.1 | 1319.4 | 1308.3 | 1293.7 | 1286.4 | 1283.3 | 1277.2 | 1272.5 |
| 170° | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1308.3 | 1293.7 | 1286.4 | 1286.2 | 1285.8 | 1285.6 |
| 172.5° | 1309.1 | 1306.4 | 1309.1 | 1311.8 | 1312.5 | 1303.8 | 1292.2 | 1286.4 | 1286.4 | 1286.4 | 1286.4 |
| 175° | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1297.4 | 1290.0 | 1286.4 | 1288.2 | 1291.6 | 1294.2 |
| 177.5° | 1297.3 | 1294.2 | 1297.3 | 1300.4 | 1301.2 | 1296.9 | 1291.1 | 1288.2 | 1289.5 | 1292.2 | 1294.2 |
| 180° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 |
| 2.5° | 5082.9 | 5054.5 | 5054.5 | 5007.1 | 4988.1 | 4973.9 | 4950.2 | 4879.0 | 4860.1 | 4841.1 | 4869.6 |
| 5° | 5125.6 | 5073.5 | 5035.5 | 4950.2 | 4879.0 | 4850.6 | 4760.5 | 4589.8 | 4476.0 | 4390.6 | 4343.3 |
| 7.5° | 5135.1 | 5068.7 | 4997.6 | 4864.8 | 4694.1 | 4618.3 | 4343.3 | 4030.3 | 3944.9 | 3869.1 | 3821.6 |
| 10° | 5125.6 | 5049.8 | 4950.2 | 4751.1 | 4348.0 | 4215.2 | 3940.3 | 3736.4 | 3684.2 | 3670.0 | 3684.2 |
| 12.5° | 5092.4 | 5021.3 | 4883.8 | 4551.8 | 3987.6 | 3897.6 | 3736.4 | 3617.8 | 3608.3 | 3632.0 | 3760.0 |
| 15° | 5035.5 | 4969.2 | 4808.0 | 4286.3 | 3788.5 | 3722.1 | 3608.3 | 3565.6 | 3617.8 | 3783.7 | 4167.8 |
| 17.5° | 4978.6 | 4902.8 | 4703.6 | 4025.5 | 3636.8 | 3589.4 | 3508.8 | 3594.1 | 3888.1 | 4110.9 | 4239.0 |
| 20° | 4902.8 | 4812.6 | 4585.1 | 3835.9 | 3527.7 | 3485.0 | 3447.1 | 3831.2 | 4054.0 | 4134.6 | 4205.7 |
| 22.5° | 4812.6 | 4717.8 | 4423.9 | 3703.1 | 3414.0 | 3380.7 | 3404.4 | 3963.9 | 4054.0 | 4110.9 | 4172.6 |
| 25° | 4694.1 | 4613.5 | 4234.2 | 3598.8 | 3323.8 | 3285.9 | 3375.9 | 3949.7 | 4001.8 | 4016.1 | 4139.4 |
| 27.5° | 4585.1 | 4480.8 | 4035.1 | 3504.0 | 3214.7 | 3200.5 | 3399.7 | 3888.1 | 3926.0 | 3940.3 | 4073.0 |
| 30° | 4452.3 | 4295.8 | 3812.2 | 3404.4 | 3101.0 | 3096.2 | 3404.4 | 3812.2 | 3802.7 | 3840.6 | 3973.4 |
| 32.5° | 4314.8 | 4020.9 | 3560.9 | 3281.1 | 2991.9 | 2987.2 | 3371.3 | 3698.4 | 3688.9 | 3741.0 | 3840.6 |
| 35° | 4186.7 | 3807.5 | 3219.5 | 3138.9 | 2854.4 | 2859.2 | 3290.7 | 3565.6 | 3570.4 | 3617.8 | 3679.4 |
| 37.5° | 4054.0 | 3622.5 | 2845.0 | 2982.4 | 2721.7 | 2721.7 | 3181.6 | 3442.4 | 3432.9 | 3447.1 | 3532.5 |
| 40° | 3897.6 | 3333.3 | 2513.0 | 2778.6 | 2598.4 | 2584.1 | 3048.9 | 3309.6 | 3276.4 | 3271.7 | 3390.2 |
| 42.5° | 3731.6 | 3015.6 | 2266.4 | 2508.3 | 2456.1 | 2437.2 | 2887.6 | 3148.4 | 3086.8 | 3101.0 | 3252.7 |
| 45° | 3551.4 | 2930.2 | 2076.7 | 2119.4 | 2309.1 | 2294.9 | 2712.1 | 2963.5 | 2920.8 | 2958.7 | 3115.2 |
| 47.5° | 3371.3 | 2759.6 | 2015.2 | 1759.1 | 2152.7 | 2147.9 | 2517.8 | 2783.3 | 2759.6 | 2797.5 | 2963.5 |
| 50° | 3124.7 | 2569.9 | 2010.4 | 1507.8 | 1977.2 | 1996.1 | 2285.4 | 2607.8 | 2607.8 | 2641.1 | 2816.5 |
| 52.5° | 2807.0 | 2337.6 | 1825.5 | 1365.6 | 1773.3 | 1830.3 | 2081.5 | 2456.1 | 2465.6 | 2498.8 | 2655.3 |
| 55° | 2517.8 | 2095.8 | 1692.7 | 1256.5 | 1531.5 | 1654.8 | 1882.4 | 2299.6 | 2318.7 | 2351.8 | 2494.1 |
| 57.5° | 2252.2 | 1744.9 | 1664.3 | 1128.5 | 1308.6 | 1427.2 | 1707.0 | 2147.9 | 2157.4 | 2185.8 | 2323.3 |
| 60° | 1967.8 | 1261.3 | 1526.8 | 991.0 | 1114.3 | 1204.4 | 1545.8 | 1967.8 | 2000.9 | 2019.9 | 2138.4 |
| 62.5° | 1645.3 | 915.1 | 1384.6 | 896.2 | 1019.5 | 1038.4 | 1413.0 | 1797.0 | 1839.7 | 1853.9 | 1925.1 |
| 65° | 1171.1 | 768.1 | 1175.9 | 815.6 | 919.9 | 924.6 | 1270.7 | 1621.6 | 1659.5 | 1683.3 | 1735.4 |
| 67.5° | 791.8 | 625.9 | 896.2 | 739.6 | 844.0 | 848.7 | 1133.2 | 1417.7 | 1469.8 | 1488.9 | 1522.0 |
| 70° | 550.0 | 417.2 | 663.8 | 659.0 | 758.7 | 768.1 | 986.2 | 1232.8 | 1280.2 | 1294.4 | 1313.4 |
| 72.5° | 403.0 | 336.6 | 550.0 | 592.7 | 668.6 | 678.1 | 834.5 | 1024.1 | 1071.6 | 1085.8 | 1095.3 |
| 75° | 308.2 | 355.6 | 445.7 | 516.8 | 569.0 | 573.8 | 682.8 | 834.5 | 867.7 | 877.2 | 881.9 |
| 77.5° | 246.6 | 331.9 | 327.2 | 417.2 | 464.7 | 455.2 | 535.8 | 644.8 | 673.3 | 673.3 | 673.3 |
| 80° | 184.9 | 260.8 | 246.6 | 298.7 | 341.4 | 331.9 | 384.1 | 459.9 | 469.4 | 478.9 | 474.2 |
| 82.5° | 137.5 | 166.0 | 166.0 | 189.7 | 227.6 | 218.1 | 256.0 | 298.7 | 298.7 | 298.7 | 308.2 |
| 85° | 85.4 | 94.8 | 75.8 | 99.6 | 128.1 | 123.3 | 142.2 | 161.2 | 166.0 | 166.0 | 156.4 |
| 87.5° | 52.1 | 42.7 | 23.7 | 37.9 | 56.9 | 56.9 | 66.4 | 71.1 | 66.4 | 66.4 | 66.4 |
| 90° | 22.5 | 15.6 | 8.7 | 15.6 | 22.5 | 24.3 | 38.2 | 56.8 | 66.0 | 58.7 | 44.0 |
| 92.5° | 152.9 | 93.8 | 34.7 | 93.8 | 152.9 | 167.7 | 235.6 | 326.3 | 371.7 | 325.8 | 234.0 |
| 95° | 299.6 | 191.5 | 83.4 | 191.5 | 299.6 | 326.6 | 579.9 | 917.7 | 1086.6 | 969.7 | 735.7 |
| 97.5° | 334.9 | 239.6 | 144.2 | 239.6 | 334.9 | 358.7 | 781.2 | 1344.4 | 1626.0 | 1552.0 | 1404.2 |
| 100° | 364.1 | 277.6 | 191.1 | 277.6 | 364.1 | 385.6 | 854.4 | 1479.4 | 1791.9 | 1797.3 | 1808.1 |
| 102.5° | 392.4 | 311.8 | 231.1 | 311.8 | 392.4 | 412.5 | 888.0 | 1521.9 | 1838.9 | 1933.0 | 2121.4 |
| 105° | 435.4 | 367.2 | 298.8 | 367.2 | 435.4 | 452.5 | 912.9 | 1526.7 | 1833.6 | 2044.8 | 2467.2 |
| 107.5° | 495.7 | 432.0 | 368.3 | 432.0 | 495.7 | 511.6 | 917.6 | 1458.8 | 1729.4 | 2024.0 | 2613.1 |
| 110° | 530.2 | 472.7 | 415.2 | 472.7 | 530.2 | 544.6 | 910.6 | 1398.6 | 1642.5 | 1971.9 | 2630.4 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 570.9 | 516.0 | 461.2 | 516.0 | 570.9 | 584.6 | 910.9 | 1346.0 | 1563.5 | 1900.5 | 2574.6 |
| 115° | 631.9 | 581.2 | 530.7 | 581.2 | 631.9 | 644.5 | 919.2 | 1285.7 | 1468.8 | 1793.5 | 2442.8 |
| 117.5° | 691.2 | 645.3 | 599.3 | 645.3 | 691.2 | 702.6 | 936.3 | 1247.8 | 1403.6 | 1696.6 | 2282.6 |
| 120° | 725.7 | 682.6 | 639.3 | 682.6 | 725.7 | 736.6 | 950.3 | 1235.1 | 1377.6 | 1645.2 | 2180.7 |
| 122.5° | 765.6 | 722.0 | 678.4 | 722.0 | 765.6 | 776.5 | 970.2 | 1228.5 | 1357.6 | 1598.6 | 2080.9 |
| 125° | 817.9 | 778.1 | 738.3 | 778.1 | 817.9 | 827.8 | 997.1 | 1223.0 | 1335.9 | 1540.7 | 1950.3 |
| 127.5° | 867.3 | 827.2 | 787.0 | 827.2 | 867.3 | 877.3 | 1024.1 | 1219.8 | 1317.7 | 1493.6 | 1845.2 |
| 130° | 899.4 | 856.3 | 813.0 | 856.3 | 899.4 | 910.3 | 1043.7 | 1221.7 | 1310.7 | 1467.2 | 1780.3 |
| 132.5° | 926.3 | 883.2 | 839.9 | 883.2 | 926.3 | 937.2 | 1059.6 | 1223.0 | 1304.6 | 1444.7 | 1725.0 |
| 135° | 958.7 | 919.2 | 879.9 | 919.2 | 958.7 | 968.5 | 1077.1 | 1221.9 | 1294.2 | 1411.6 | 1646.3 |
| 137.5° | 998.7 | 959.7 | 920.7 | 959.7 | 998.7 | 1008.4 | 1103.1 | 1229.3 | 1292.5 | 1391.7 | 1590.1 |
| 140° | 1026.4 | 990.4 | 954.5 | 990.4 | 1026.4 | 1035.3 | 1119.0 | 1230.6 | 1286.4 | 1372.1 | 1543.5 |
| 142.5° | 1047.0 | 1013.9 | 980.6 | 1013.9 | 1047.0 | 1055.3 | 1132.4 | 1235.0 | 1286.4 | 1361.7 | 1512.2 |
| 145° | 1078.5 | 1049.5 | 1020.6 | 1049.5 | 1078.5 | 1085.8 | 1149.8 | 1235.0 | 1277.7 | 1339.3 | 1462.5 |
| 147.5° | 1117.0 | 1088.8 | 1060.6 | 1088.8 | 1117.0 | 1124.0 | 1175.3 | 1243.5 | 1277.7 | 1326.2 | 1423.0 |
| 150° | 1137.6 | 1112.1 | 1086.6 | 1112.1 | 1137.6 | 1144.0 | 1188.5 | 1248.0 | 1277.7 | 1318.6 | 1400.4 |
| 152.5° | 1152.1 | 1132.8 | 1113.5 | 1132.8 | 1152.1 | 1156.9 | 1197.2 | 1250.9 | 1277.7 | 1312.6 | 1382.5 |
| 155° | 1182.1 | 1167.8 | 1153.5 | 1167.8 | 1182.1 | 1185.6 | 1216.3 | 1257.3 | 1277.7 | 1305.5 | 1361.1 |
| 157.5° | 1210.8 | 1196.9 | 1183.0 | 1196.9 | 1210.8 | 1214.3 | 1235.4 | 1263.6 | 1277.7 | 1299.3 | 1342.5 |
| 160° | 1224.7 | 1213.8 | 1203.0 | 1213.8 | 1224.7 | 1227.4 | 1244.2 | 1266.5 | 1277.7 | 1296.2 | 1333.3 |
| 162.5° | 1239.1 | 1231.1 | 1223.0 | 1231.1 | 1239.1 | 1241.2 | 1253.3 | 1269.6 | 1277.7 | 1293.3 | 1324.6 |
| 165° | 1259.3 | 1252.0 | 1244.7 | 1252.0 | 1259.3 | 1261.2 | 1266.7 | 1274.1 | 1277.7 | 1288.9 | 1311.2 |
| 167.5° | 1271.6 | 1268.1 | 1264.6 | 1268.1 | 1271.6 | 1272.5 | 1277.2 | 1283.3 | 1286.4 | 1293.7 | 1308.3 |
| 170° | 1284.7 | 1281.2 | 1277.7 | 1281.2 | 1284.7 | 1285.6 | 1285.8 | 1286.2 | 1286.4 | 1293.7 | 1308.3 |
| 172.5° | 1286.2 | 1285.4 | 1284.6 | 1285.4 | 1286.2 | 1286.4 | 1286.4 | 1286.4 | 1286.4 | 1292.2 | 1303.8 |
| 175° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1291.6 | 1288.2 | 1286.4 | 1290.0 | 1297.4 |
| 177.5° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1292.2 | 1289.5 | 1288.2 | 1291.1 | 1296.9 |
| 180° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |



TEST NUMBER: P935005
 CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 |
| 2.5° | 4836.3 | 4822.1 | 4841.1 | 4789.0 | 4841.1 | 4822.1 | 4836.3 | 4869.6 | 4841.1 | 4860.1 | 4879.0 |
| 5° | 4243.7 | 4220.0 | 4144.1 | 4082.5 | 4144.1 | 4220.0 | 4243.7 | 4343.3 | 4390.6 | 4476.0 | 4589.8 |
| 7.5° | 3793.3 | 3774.3 | 3755.3 | 3717.4 | 3755.3 | 3774.3 | 3793.3 | 3821.6 | 3869.1 | 3944.9 | 4030.3 |
| 10° | 3693.7 | 3698.4 | 3726.8 | 3722.1 | 3726.8 | 3698.4 | 3693.7 | 3684.2 | 3670.0 | 3684.2 | 3736.4 |
| 12.5° | 3949.7 | 3992.4 | 4148.8 | 4139.4 | 4148.8 | 3992.4 | 3949.7 | 3760.0 | 3632.0 | 3608.3 | 3617.8 |
| 15° | 4243.7 | 4257.9 | 4291.1 | 4295.8 | 4291.1 | 4257.9 | 4243.7 | 4167.8 | 3783.7 | 3617.8 | 3565.6 |
| 17.5° | 4272.1 | 4276.9 | 4300.6 | 4300.6 | 4300.6 | 4276.9 | 4272.1 | 4239.0 | 4110.9 | 3888.1 | 3594.1 |
| 20° | 4248.4 | 4257.9 | 4305.4 | 4314.8 | 4305.4 | 4257.9 | 4248.4 | 4205.7 | 4134.6 | 4054.0 | 3831.2 |
| 22.5° | 4239.0 | 4257.9 | 4295.8 | 4291.1 | 4295.8 | 4257.9 | 4239.0 | 4172.6 | 4110.9 | 4054.0 | 3963.9 |
| 25° | 4191.5 | 4191.5 | 4196.3 | 4201.0 | 4196.3 | 4191.5 | 4191.5 | 4139.4 | 4016.1 | 4001.8 | 3949.7 |
| 27.5° | 4091.9 | 4101.5 | 4129.9 | 4125.1 | 4129.9 | 4101.5 | 4091.9 | 4073.0 | 3940.3 | 3926.0 | 3888.1 |
| 30° | 4001.8 | 3992.4 | 3968.7 | 3949.7 | 3968.7 | 3992.4 | 4001.8 | 3973.4 | 3840.6 | 3802.7 | 3812.2 |
| 32.5° | 3850.1 | 3826.4 | 3802.7 | 3788.5 | 3802.7 | 3826.4 | 3850.1 | 3840.6 | 3741.0 | 3688.9 | 3698.4 |
| 35° | 3670.0 | 3674.7 | 3670.0 | 3655.8 | 3670.0 | 3674.7 | 3670.0 | 3679.4 | 3617.8 | 3570.4 | 3565.6 |
| 37.5° | 3541.9 | 3551.4 | 3546.7 | 3527.7 | 3546.7 | 3551.4 | 3541.9 | 3532.5 | 3447.1 | 3432.9 | 3442.4 |
| 40° | 3409.2 | 3414.0 | 3409.2 | 3394.9 | 3409.2 | 3414.0 | 3409.2 | 3390.2 | 3271.7 | 3276.4 | 3309.6 |
| 42.5° | 3281.1 | 3276.4 | 3262.2 | 3252.7 | 3262.2 | 3276.4 | 3281.1 | 3252.7 | 3101.0 | 3086.8 | 3148.4 |
| 45° | 3134.1 | 3138.9 | 3110.4 | 3096.2 | 3110.4 | 3138.9 | 3134.1 | 3115.2 | 2958.7 | 2920.8 | 2963.5 |
| 47.5° | 2987.2 | 2987.2 | 2963.5 | 2949.2 | 2963.5 | 2987.2 | 2987.2 | 2963.5 | 2797.5 | 2759.6 | 2783.3 |
| 50° | 2830.7 | 2826.0 | 2792.8 | 2788.0 | 2792.8 | 2826.0 | 2830.7 | 2816.5 | 2641.1 | 2607.8 | 2607.8 |
| 52.5° | 2650.5 | 2650.5 | 2655.3 | 2664.7 | 2655.3 | 2650.5 | 2650.5 | 2655.3 | 2498.8 | 2465.6 | 2456.1 |
| 55° | 2494.1 | 2498.8 | 2532.0 | 2541.5 | 2532.0 | 2498.8 | 2494.1 | 2494.1 | 2351.8 | 2318.7 | 2299.6 |
| 57.5° | 2332.9 | 2332.9 | 2356.6 | 2356.6 | 2356.6 | 2332.9 | 2332.9 | 2323.3 | 2185.8 | 2157.4 | 2147.9 |
| 60° | 2147.9 | 2157.4 | 2176.4 | 2171.6 | 2176.4 | 2157.4 | 2147.9 | 2138.4 | 2019.9 | 2000.9 | 1967.8 |
| 62.5° | 1953.6 | 1963.0 | 1967.8 | 1958.2 | 1967.8 | 1963.0 | 1953.6 | 1925.1 | 1853.9 | 1839.7 | 1797.0 |
| 65° | 1749.7 | 1759.1 | 1763.9 | 1754.3 | 1763.9 | 1759.1 | 1749.7 | 1735.4 | 1683.3 | 1659.5 | 1621.6 |
| 67.5° | 1541.0 | 1536.2 | 1531.5 | 1550.4 | 1531.5 | 1536.2 | 1541.0 | 1522.0 | 1488.9 | 1469.8 | 1417.7 |
| 70° | 1327.6 | 1327.6 | 1322.9 | 1332.4 | 1322.9 | 1327.6 | 1327.6 | 1313.4 | 1294.4 | 1280.2 | 1232.8 |
| 72.5° | 1100.1 | 1095.3 | 1114.3 | 1100.1 | 1114.3 | 1095.3 | 1100.1 | 1095.3 | 1085.8 | 1071.6 | 1024.1 |
| 75° | 877.2 | 886.6 | 877.2 | 891.4 | 877.2 | 886.6 | 877.2 | 881.9 | 877.2 | 867.7 | 834.5 |
| 77.5° | 668.6 | 678.1 | 668.6 | 668.6 | 668.6 | 678.1 | 668.6 | 673.3 | 673.3 | 673.3 | 644.8 |
| 80° | 474.2 | 469.4 | 469.4 | 464.7 | 469.4 | 469.4 | 474.2 | 474.2 | 478.9 | 469.4 | 459.9 |
| 82.5° | 303.5 | 298.7 | 298.7 | 308.2 | 298.7 | 298.7 | 303.5 | 308.2 | 298.7 | 298.7 | 298.7 |
| 85° | 166.0 | 170.7 | 161.2 | 161.2 | 161.2 | 170.7 | 166.0 | 156.4 | 166.0 | 166.0 | 161.2 |
| 87.5° | 61.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 61.6 | 66.4 | 66.4 | 66.4 | 71.1 |
| 90° | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 44.0 | 58.7 | 66.0 | 56.8 |
| 92.5° | 165.0 | 158.5 | 132.3 | 106.0 | 132.3 | 158.5 | 165.0 | 234.0 | 325.8 | 371.7 | 326.3 |
| 95° | 560.2 | 540.3 | 460.8 | 381.4 | 460.8 | 540.3 | 560.2 | 735.7 | 969.7 | 1086.6 | 917.7 |
| 97.5° | 1293.3 | 1255.5 | 1104.2 | 952.9 | 1104.2 | 1255.5 | 1293.3 | 1404.2 | 1552.0 | 1626.0 | 1344.4 |
| 100° | 1816.3 | 1771.1 | 1590.9 | 1410.6 | 1590.9 | 1771.1 | 1816.3 | 1808.1 | 1797.3 | 1791.9 | 1479.4 |
| 102.5° | 2262.7 | 2224.1 | 2069.7 | 1915.3 | 2069.7 | 2224.1 | 2262.7 | 2121.4 | 1933.0 | 1838.9 | 1521.9 |
| 105° | 2783.9 | 2763.1 | 2680.1 | 2597.1 | 2680.1 | 2763.1 | 2783.9 | 2467.2 | 2044.8 | 1833.6 | 1526.7 |
| 107.5° | 3054.8 | 3059.9 | 3080.0 | 3100.0 | 3080.0 | 3059.9 | 3054.8 | 2613.1 | 2024.0 | 1729.4 | 1458.8 |
| 110° | 3124.3 | 3145.9 | 3232.4 | 3318.9 | 3232.4 | 3145.9 | 3124.3 | 2630.4 | 1971.9 | 1642.5 | 1398.6 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3080.1 | 3113.2 | 3246.0 | 3378.8 | 3246.0 | 3113.2 | 3080.1 | 2574.6 | 1900.5 | 1563.5 | 1346.0 |
| 115° | 2929.8 | 2975.8 | 3159.9 | 3344.1 | 3159.9 | 2975.8 | 2929.8 | 2442.8 | 1793.5 | 1468.8 | 1285.7 |
| 117.5° | 2722.1 | 2773.2 | 2977.4 | 3181.7 | 2977.4 | 2773.2 | 2722.1 | 2282.6 | 1696.6 | 1403.6 | 1247.8 |
| 120° | 2582.3 | 2631.9 | 2830.4 | 3028.8 | 2830.4 | 2631.9 | 2582.3 | 2180.7 | 1645.2 | 1377.6 | 1235.1 |
| 122.5° | 2442.5 | 2491.4 | 2687.1 | 2882.9 | 2687.1 | 2491.4 | 2442.5 | 2080.9 | 1598.6 | 1357.6 | 1228.5 |
| 125° | 2257.5 | 2302.6 | 2482.9 | 2663.1 | 2482.9 | 2302.6 | 2257.5 | 1950.3 | 1540.7 | 1335.9 | 1223.0 |
| 127.5° | 2109.0 | 2147.0 | 2299.1 | 2451.2 | 2299.1 | 2147.0 | 2109.0 | 1845.2 | 1493.6 | 1317.7 | 1219.8 |
| 130° | 2015.1 | 2050.2 | 2190.8 | 2331.4 | 2190.8 | 2050.2 | 2015.1 | 1780.3 | 1467.2 | 1310.7 | 1221.7 |
| 132.5° | 1935.2 | 1966.7 | 2092.5 | 2218.4 | 2092.5 | 1966.7 | 1935.2 | 1725.0 | 1444.7 | 1304.6 | 1223.0 |
| 135° | 1822.3 | 1849.4 | 1957.9 | 2066.4 | 1957.9 | 1849.4 | 1822.3 | 1646.3 | 1411.6 | 1294.2 | 1221.9 |
| 137.5° | 1738.9 | 1761.2 | 1849.9 | 1938.7 | 1849.9 | 1761.2 | 1738.9 | 1590.1 | 1391.7 | 1292.5 | 1229.3 |
| 140° | 1672.0 | 1692.8 | 1775.8 | 1858.8 | 1775.8 | 1692.8 | 1672.0 | 1543.5 | 1372.1 | 1286.4 | 1230.6 |
| 142.5° | 1625.2 | 1643.0 | 1714.5 | 1785.8 | 1714.5 | 1643.0 | 1625.2 | 1512.2 | 1361.7 | 1286.4 | 1235.0 |
| 145° | 1554.8 | 1568.4 | 1622.4 | 1676.3 | 1622.4 | 1568.4 | 1554.8 | 1462.5 | 1339.3 | 1277.7 | 1235.0 |
| 147.5° | 1495.7 | 1506.9 | 1551.7 | 1596.5 | 1551.7 | 1506.9 | 1495.7 | 1423.0 | 1326.2 | 1277.7 | 1243.5 |
| 150° | 1461.8 | 1470.9 | 1507.2 | 1543.5 | 1507.2 | 1470.9 | 1461.8 | 1400.4 | 1318.6 | 1277.7 | 1248.0 |
| 152.5° | 1434.9 | 1441.7 | 1469.2 | 1496.5 | 1469.2 | 1441.7 | 1434.9 | 1382.5 | 1312.6 | 1277.7 | 1250.9 |
| 155° | 1402.8 | 1407.4 | 1425.5 | 1443.6 | 1425.5 | 1407.4 | 1402.8 | 1361.1 | 1305.5 | 1277.7 | 1257.3 |
| 157.5° | 1374.9 | 1378.1 | 1390.9 | 1403.6 | 1390.9 | 1378.1 | 1374.9 | 1342.5 | 1299.3 | 1277.7 | 1263.6 |
| 160° | 1361.1 | 1363.0 | 1370.3 | 1377.6 | 1370.3 | 1363.0 | 1361.1 | 1333.3 | 1296.2 | 1277.7 | 1266.5 |
| 162.5° | 1348.0 | 1349.8 | 1356.7 | 1363.7 | 1356.7 | 1349.8 | 1348.0 | 1324.6 | 1293.3 | 1277.7 | 1269.6 |
| 165° | 1328.1 | 1329.9 | 1337.2 | 1344.6 | 1337.2 | 1329.9 | 1328.1 | 1311.2 | 1288.9 | 1277.7 | 1274.1 |
| 167.5° | 1319.4 | 1320.1 | 1323.3 | 1326.4 | 1323.3 | 1320.1 | 1319.4 | 1308.3 | 1293.7 | 1286.4 | 1283.3 |
| 170° | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1319.4 | 1308.3 | 1293.7 | 1286.4 | 1286.2 |
| 172.5° | 1312.5 | 1311.8 | 1309.1 | 1306.4 | 1309.1 | 1311.8 | 1312.5 | 1303.8 | 1292.2 | 1286.4 | 1286.4 |
| 175° | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1302.9 | 1297.4 | 1290.0 | 1286.4 | 1288.2 |
| 177.5° | 1301.2 | 1300.4 | 1297.3 | 1294.2 | 1297.3 | 1300.4 | 1301.2 | 1296.9 | 1291.1 | 1288.2 | 1289.5 |
| 180° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 5011.8 | 5011.8 | 5011.8 | 5011.8 | 5011.8 |
| 2.5° | 4950.2 | 4973.9 | 4988.1 | 5007.1 | 5054.5 |
| 5° | 4760.5 | 4850.6 | 4879.0 | 4950.2 | 5035.5 |
| 7.5° | 4343.3 | 4618.3 | 4694.1 | 4864.8 | 4997.6 |
| 10° | 3940.3 | 4215.2 | 4348.0 | 4751.1 | 4950.2 |
| 12.5° | 3736.4 | 3897.6 | 3987.6 | 4551.8 | 4883.8 |
| 15° | 3608.3 | 3722.1 | 3788.5 | 4286.3 | 4808.0 |
| 17.5° | 3508.8 | 3589.4 | 3636.8 | 4025.5 | 4703.6 |
| 20° | 3447.1 | 3485.0 | 3527.7 | 3835.9 | 4585.1 |
| 22.5° | 3404.4 | 3380.7 | 3414.0 | 3703.1 | 4423.9 |
| 25° | 3375.9 | 3285.9 | 3323.8 | 3598.8 | 4234.2 |
| 27.5° | 3399.7 | 3200.5 | 3214.7 | 3504.0 | 4035.1 |
| 30° | 3404.4 | 3096.2 | 3101.0 | 3404.4 | 3812.2 |
| 32.5° | 3371.3 | 2987.2 | 2991.9 | 3281.1 | 3560.9 |
| 35° | 3290.7 | 2859.2 | 2854.4 | 3138.9 | 3219.5 |
| 37.5° | 3181.6 | 2721.7 | 2721.7 | 2982.4 | 2845.0 |
| 40° | 3048.9 | 2584.1 | 2598.4 | 2778.6 | 2513.0 |
| 42.5° | 2887.6 | 2437.2 | 2456.1 | 2508.3 | 2266.4 |
| 45° | 2712.1 | 2294.9 | 2309.1 | 2119.4 | 2076.7 |
| 47.5° | 2517.8 | 2147.9 | 2152.7 | 1759.1 | 2015.2 |
| 50° | 2285.4 | 1996.1 | 1977.2 | 1507.8 | 2010.4 |
| 52.5° | 2081.5 | 1830.3 | 1773.3 | 1365.6 | 1825.5 |
| 55° | 1882.4 | 1654.8 | 1531.5 | 1256.5 | 1692.7 |
| 57.5° | 1707.0 | 1427.2 | 1308.6 | 1128.5 | 1664.3 |
| 60° | 1545.8 | 1204.4 | 1114.3 | 991.0 | 1526.8 |
| 62.5° | 1413.0 | 1038.4 | 1019.5 | 896.2 | 1384.6 |
| 65° | 1270.7 | 924.6 | 919.9 | 815.6 | 1175.9 |
| 67.5° | 1133.2 | 848.7 | 844.0 | 739.6 | 896.2 |
| 70° | 986.2 | 768.1 | 758.7 | 659.0 | 663.8 |
| 72.5° | 834.5 | 678.1 | 668.6 | 592.7 | 550.0 |
| 75° | 682.8 | 573.8 | 569.0 | 516.8 | 445.7 |
| 77.5° | 535.8 | 455.2 | 464.7 | 417.2 | 327.2 |
| 80° | 384.1 | 331.9 | 341.4 | 298.7 | 246.6 |
| 82.5° | 256.0 | 218.1 | 227.6 | 189.7 | 166.0 |
| 85° | 142.2 | 123.3 | 128.1 | 99.6 | 75.8 |
| 87.5° | 66.4 | 56.9 | 56.9 | 37.9 | 23.7 |
| 90° | 38.2 | 24.3 | 22.5 | 15.6 | 8.7 |
| 92.5° | 235.6 | 167.7 | 152.9 | 93.8 | 34.7 |
| 95° | 579.9 | 326.6 | 299.6 | 191.5 | 83.4 |
| 97.5° | 781.2 | 358.7 | 334.9 | 239.6 | 144.2 |
| 100° | 854.4 | 385.6 | 364.1 | 277.6 | 191.1 |
| 102.5° | 888.0 | 412.5 | 392.4 | 311.8 | 231.1 |
| 105° | 912.9 | 452.5 | 435.4 | 367.2 | 298.8 |
| 107.5° | 917.6 | 511.6 | 495.7 | 432.0 | 368.3 |
| 110° | 910.6 | 544.6 | 530.2 | 472.7 | 415.2 |



TEST NUMBER: P935005

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 910.9 | 584.6 | 570.9 | 516.0 | 461.2 |
| 115° | 919.2 | 644.5 | 631.9 | 581.2 | 530.7 |
| 117.5° | 936.3 | 702.6 | 691.2 | 645.3 | 599.3 |
| 120° | 950.3 | 736.6 | 725.7 | 682.6 | 639.3 |
| 122.5° | 970.2 | 776.5 | 765.6 | 722.0 | 678.4 |
| 125° | 997.1 | 827.8 | 817.9 | 778.1 | 738.3 |
| 127.5° | 1024.1 | 877.3 | 867.3 | 827.2 | 787.0 |
| 130° | 1043.7 | 910.3 | 899.4 | 856.3 | 813.0 |
| 132.5° | 1059.6 | 937.2 | 926.3 | 883.2 | 839.9 |
| 135° | 1077.1 | 968.5 | 958.7 | 919.2 | 879.9 |
| 137.5° | 1103.1 | 1008.4 | 998.7 | 959.7 | 920.7 |
| 140° | 1119.0 | 1035.3 | 1026.4 | 990.4 | 954.5 |
| 142.5° | 1132.4 | 1055.3 | 1047.0 | 1013.9 | 980.6 |
| 145° | 1149.8 | 1085.8 | 1078.5 | 1049.5 | 1020.6 |
| 147.5° | 1175.3 | 1124.0 | 1117.0 | 1088.8 | 1060.6 |
| 150° | 1188.5 | 1144.0 | 1137.6 | 1112.1 | 1086.6 |
| 152.5° | 1197.2 | 1156.9 | 1152.1 | 1132.8 | 1113.5 |
| 155° | 1216.3 | 1185.6 | 1182.1 | 1167.8 | 1153.5 |
| 157.5° | 1235.4 | 1214.3 | 1210.8 | 1196.9 | 1183.0 |
| 160° | 1244.2 | 1227.4 | 1224.7 | 1213.8 | 1203.0 |
| 162.5° | 1253.3 | 1241.2 | 1239.1 | 1231.1 | 1223.0 |
| 165° | 1266.7 | 1261.2 | 1259.3 | 1252.0 | 1244.7 |
| 167.5° | 1277.2 | 1272.5 | 1271.6 | 1268.1 | 1264.6 |
| 170° | 1285.8 | 1285.6 | 1284.7 | 1281.2 | 1277.7 |
| 172.5° | 1286.4 | 1286.4 | 1286.2 | 1285.4 | 1284.6 |
| 175° | 1291.6 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |
| 177.5° | 1292.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |
| 180° | 1294.2 | 1294.2 | 1294.2 | 1294.2 | 1294.2 |



TEST NUMBER: P935005
 CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-12

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 | 15.27 | 16.24 | 16.13 | 17.12 | 18.23 | 18.13 | 19.09 | 18.98 | 19.97 | 21.08 |
| | 3H | 15.76 | 16.63 | 16.63 | 17.52 | 18.65 | 19.49 | 20.35 | 20.36 | 21.24 | 22.38 |
| | 4H | 15.95 | 16.77 | 16.84 | 17.67 | 18.82 | 19.94 | 20.76 | 20.83 | 21.65 | 22.80 |
| | 6H | 16.08 | 16.83 | 16.98 | 17.74 | 18.90 | 20.23 | 20.99 | 21.13 | 21.89 | 23.05 |
| | 8H | 16.08 | 16.80 | 16.99 | 17.72 | 18.88 | 20.32 | 21.03 | 21.22 | 21.96 | 23.11 |
| | 12H | 16.06 | 16.74 | 16.97 | 17.66 | 18.84 | 20.36 | 21.05 | 21.27 | 21.96 | 23.14 |
| 4H | 2H | 16.32 | 17.14 | 17.22 | 18.04 | 19.18 | 18.55 | 19.37 | 19.44 | 20.26 | 21.41 |
| | 3H | 17.36 | 18.04 | 18.27 | 18.97 | 20.13 | 20.07 | 20.75 | 20.97 | 21.68 | 22.84 |
| | 4H | 17.64 | 18.26 | 18.56 | 19.19 | 20.37 | 20.61 | 21.23 | 21.52 | 22.15 | 23.34 |
| | 6H | 17.77 | 18.31 | 18.70 | 19.26 | 20.44 | 20.98 | 21.52 | 21.91 | 22.47 | 23.65 |
| | 8H | 17.78 | 18.28 | 18.71 | 19.22 | 20.42 | 21.09 | 21.60 | 22.03 | 22.54 | 23.74 |
| | 12H | 17.75 | 18.21 | 18.70 | 19.16 | 20.37 | 21.16 | 21.61 | 22.11 | 22.57 | 23.78 |
| 8H | 4H | 18.11 | 18.61 | 19.04 | 19.55 | 20.75 | 20.74 | 21.24 | 21.67 | 22.18 | 23.38 |
| | 6H | 18.37 | 18.79 | 19.33 | 19.77 | 20.97 | 21.18 | 21.60 | 22.14 | 22.58 | 23.78 |
| | 8H | 18.42 | 18.78 | 19.38 | 19.76 | 20.97 | 21.34 | 21.71 | 22.31 | 22.68 | 23.90 |
| | 12H | 18.41 | 18.73 | 19.38 | 19.70 | 20.96 | 21.45 | 21.77 | 22.42 | 22.74 | 24.00 |
| 12H | 4H | 18.12 | 18.57 | 19.07 | 19.53 | 20.74 | 20.71 | 21.16 | 21.66 | 22.12 | 23.33 |
| | 6H | 18.44 | 18.80 | 19.40 | 19.78 | 20.99 | 21.18 | 21.55 | 22.15 | 22.52 | 23.74 |
| | 8H | 18.51 | 18.83 | 19.48 | 19.80 | 21.06 | 21.35 | 21.68 | 22.32 | 22.64 | 23.91 |