

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: P934601

Luminaire Tested: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

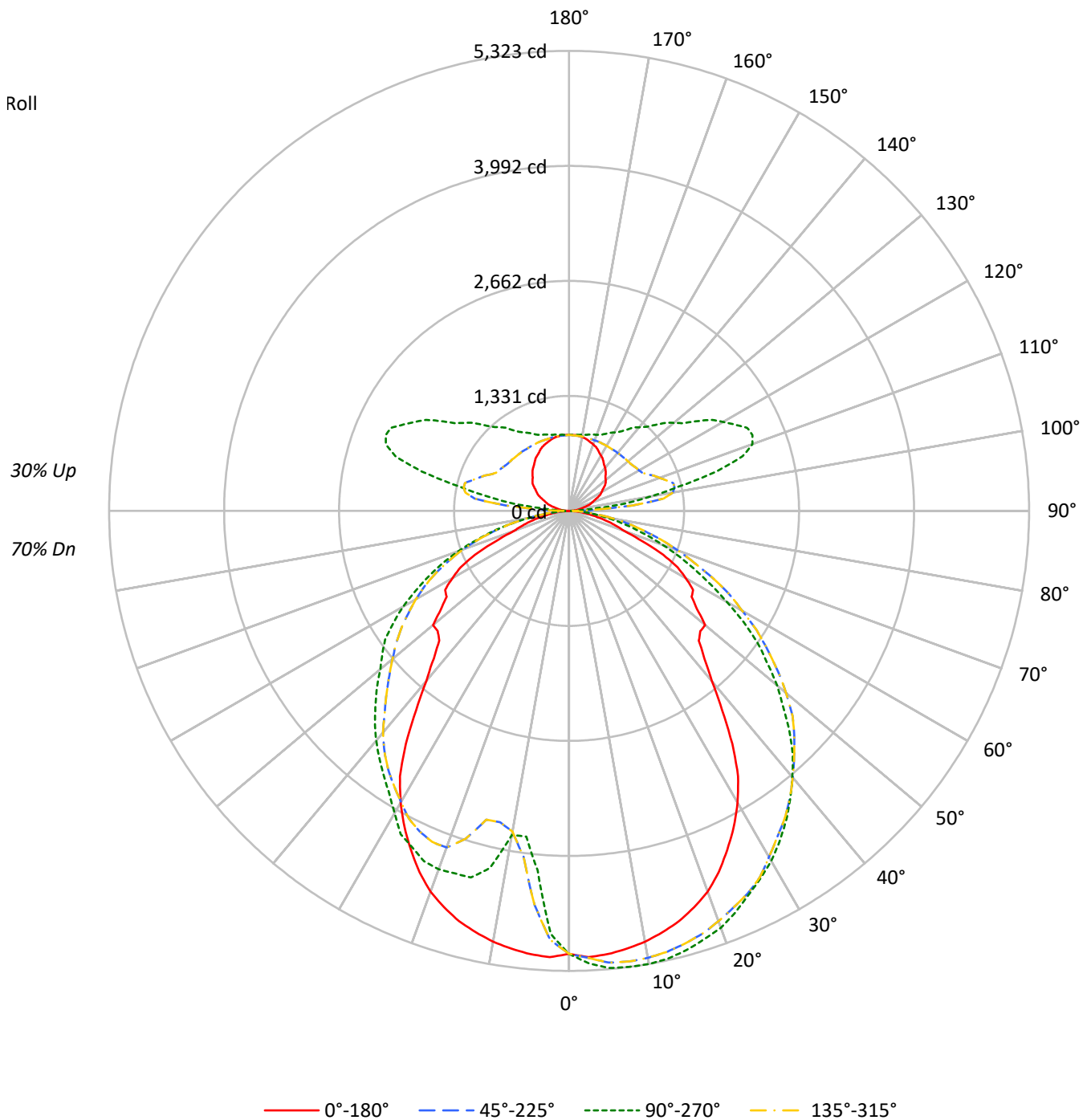
Test Method: LM-79-2019  
Report Number: P934601  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18994.0 lumens  
Efficiency: N/A  
Efficacy: 113.1 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): 168  
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: P934601  
CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot





TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-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   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 74 | 74 | 74 | 70 |
| 1   | 102 | 98  | 94  | 90  | 97  | 93  | 89  | 86  | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 65 | 63 | 63 | 63 | 63 | 59 |
| 2   | 93  | 86  | 79  | 74  | 88  | 81  | 76  | 71  | 73 | 68 | 65 | 65 | 62 | 59 | 58 | 56 | 53 | 53 | 53 | 53 | 50 |
| 3   | 85  | 75  | 68  | 62  | 80  | 71  | 65  | 59  | 64 | 59 | 54 | 58 | 53 | 50 | 52 | 48 | 45 | 45 | 45 | 45 | 42 |
| 4   | 78  | 67  | 58  | 52  | 73  | 63  | 56  | 50  | 57 | 51 | 46 | 51 | 47 | 43 | 46 | 42 | 39 | 39 | 39 | 39 | 36 |
| 5   | 72  | 60  | 51  | 45  | 67  | 57  | 49  | 43  | 51 | 45 | 40 | 46 | 41 | 37 | 41 | 37 | 34 | 34 | 34 | 34 | 31 |
| 6   | 66  | 53  | 45  | 39  | 62  | 51  | 43  | 38  | 46 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 30 | 30 | 30 | 30 | 27 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 39  | 33  | 42 | 36 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 27 | 27 | 27 | 24 |
| 8   | 57  | 44  | 36  | 30  | 54  | 42  | 35  | 29  | 38 | 32 | 28 | 35 | 30 | 26 | 31 | 27 | 24 | 24 | 24 | 24 | 22 |
| 9   | 53  | 40  | 32  | 27  | 50  | 38  | 31  | 26  | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 21 | 21 | 21 | 21 | 19 |
| 10  | 49  | 37  | 30  | 25  | 47  | 35  | 28  | 24  | 32 | 26 | 22 | 30 | 25 | 21 | 27 | 23 | 19 | 19 | 19 | 19 | 18 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15850 | 15850 | 15850 | 15850 |
| 5°  | 15975 | 16000 | 15975 | 12581 |
| 10° | 15874 | 15761 | 15874 | 11268 |
| 15° | 15707 | 15419 | 15707 | 12876 |
| 20° | 15385 | 15015 | 15385 | 12902 |
| 25° | 14718 | 14425 | 14718 | 12629 |
| 30° | 13855 | 13935 | 13855 | 12029 |
| 35° | 12358 | 13316 | 12358 | 11369 |
| 40° | 10303 | 12586 | 10303 | 10870 |
| 45° | 9212  | 11732 | 9212  | 10297 |
| 50° | 9794  | 10714 | 9794  | 9722  |
| 55° | 9223  | 9617  | 9223  | 9390  |
| 60° | 9520  | 8168  | 9520  | 8600  |
| 65° | 8645  | 6752  | 8645  | 7547  |
| 70° | 6000  | 5381  | 6000  | 6326  |
| 75° | 5282  | 3977  | 5282  | 4763  |
| 80° | 4288  | 2629  | 4288  | 2863  |
| 85° | 2511  | 1393  | 2511  | 1184  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14110 cd/sqm



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 462.6   | 2.4       |
| 10°-20°   | 1313.4  | 6.9       |
| 20°-30°   | 2030.3  | 10.7      |
| 30°-40°   | 2423.7  | 12.8      |
| 40°-50°   | 2437.9  | 12.8      |
| 50°-60°   | 2121.3  | 11.2      |
| 60°-70°   | 1504.0  | 7.9       |
| 70°-80°   | 795.7   | 4.2       |
| 80°-90°   | 201.5   | 1.1       |
| 90°-100°  | 428.9   | 2.3       |
| 100°-110° | 1127.5  | 5.9       |
| 110°-120° | 1169.1  | 6.2       |
| 120°-130° | 937.8   | 4.9       |
| 130°-140° | 735.9   | 3.9       |
| 140°-150° | 564.8   | 3.0       |
| 150°-160° | 406.7   | 2.1       |
| 160°-170° | 248.9   | 1.3       |
| 170°-180° | 84.1    | 0.4       |
| 0°-30°    | 3806.2  | 20.0      |
| 0°-40°    | 6229.9  | 32.8      |
| 0°-60°    | 10789.0 | 56.8      |
| 0°-90°    | 13290.3 | 70.0      |
| 90°-120°  | 2725.5  | 14.3      |
| 90°-150°  | 4964.0  | 26.1      |
| 90°-180°  | 5704.0  | 30.0      |
| 0°-180°   | 18994.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 5124 | 5124 | 5124 | 5124 | 5124 |      |
| 5°   | 5149 | 5309 | 5149 | 4174 | 5149 | 488  |
| 15°  | 4916 | 5260 | 4916 | 4392 | 4916 | 1383 |
| 25°  | 4329 | 4906 | 4329 | 4296 | 4329 | 1988 |
| 35°  | 3292 | 4378 | 3292 | 3738 | 3292 | 2037 |
| 45°  | 2123 | 3607 | 2123 | 3166 | 2123 | 1701 |
| 55°  | 1731 | 2662 | 1731 | 2599 | 1731 | 1590 |
| 65°  | 1202 | 1605 | 1202 | 1794 | 1202 | 1149 |
| 75°  | 456  | 761  | 456  | 912  | 456  | 479  |
| 85°  | 78   | 194  | 78   | 165  | 78   | 105  |
| 90°  | 6    | 22   | 6    | 22   | 6    | 8    |
| 95°  | 57   | 259  | 57   | 259  | 57   | 63   |
| 105° | 203  | 1766 | 203  | 1766 | 203  | 215  |
| 115° | 361  | 2274 | 361  | 2274 | 361  | 356  |
| 125° | 502  | 1810 | 502  | 1810 | 502  | 446  |
| 135° | 598  | 1405 | 598  | 1405 | 598  | 463  |
| 145° | 694  | 1140 | 694  | 1140 | 694  | 435  |
| 155° | 784  | 982  | 784  | 982  | 784  | 360  |
| 165° | 846  | 914  | 846  | 914  | 846  | 239  |
| 175° | 880  | 886  | 880  | 886  | 880  | 84   |
| 180° | 880  | 880  | 880  | 880  | 880  |      |



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 |
| 2.5°   | 5168.2 | 5168.2 | 5197.2 | 5206.9 | 5206.9 | 5192.3 | 5177.8 | 5192.3 | 5236.0 | 5250.6 | 5245.7 |
| 5°     | 5148.7 | 5187.6 | 5240.8 | 5250.6 | 5260.2 | 5255.4 | 5245.7 | 5255.4 | 5303.9 | 5313.6 | 5318.4 |
| 7.5°   | 5109.9 | 5182.7 | 5250.6 | 5265.1 | 5279.6 | 5265.1 | 5260.2 | 5270.0 | 5318.4 | 5328.1 | 5328.1 |
| 10°    | 5061.5 | 5163.3 | 5240.8 | 5250.6 | 5265.1 | 5250.6 | 5250.6 | 5270.0 | 5318.4 | 5328.1 | 5333.0 |
| 12.5°  | 4993.6 | 5134.2 | 5206.9 | 5216.6 | 5236.0 | 5231.1 | 5226.3 | 5245.7 | 5294.1 | 5303.9 | 5303.9 |
| 15°    | 4916.1 | 5080.9 | 5148.7 | 5158.4 | 5192.3 | 5182.7 | 5182.7 | 5202.1 | 5255.4 | 5270.0 | 5265.1 |
| 17.5°  | 4809.4 | 5013.0 | 5090.5 | 5105.1 | 5129.3 | 5124.5 | 5129.3 | 5148.7 | 5197.2 | 5206.9 | 5211.7 |
| 20°    | 4688.2 | 4920.8 | 5013.0 | 5027.5 | 5051.8 | 5051.8 | 5051.8 | 5076.0 | 5124.5 | 5143.9 | 5143.9 |
| 22.5°  | 4523.4 | 4823.9 | 4920.8 | 4930.6 | 4959.7 | 4959.7 | 4969.3 | 5003.2 | 5046.9 | 5051.8 | 5051.8 |
| 25°    | 4329.4 | 4717.2 | 4799.6 | 4828.8 | 4857.9 | 4872.4 | 4886.9 | 4906.3 | 4920.8 | 4916.1 | 4920.8 |
| 27.5°  | 4125.8 | 4581.5 | 4688.2 | 4707.6 | 4746.3 | 4760.9 | 4780.3 | 4785.1 | 4790.0 | 4804.5 | 4794.9 |
| 30°    | 3897.9 | 4392.4 | 4552.4 | 4571.8 | 4634.8 | 4644.5 | 4625.2 | 4634.8 | 4659.1 | 4668.8 | 4678.4 |
| 32.5°  | 3640.9 | 4111.3 | 4411.8 | 4455.5 | 4513.6 | 4484.6 | 4479.7 | 4494.2 | 4533.0 | 4533.0 | 4542.7 |
| 35°    | 3291.9 | 3893.1 | 4280.9 | 4319.7 | 4363.3 | 4329.4 | 4348.8 | 4353.7 | 4377.9 | 4392.4 | 4387.6 |
| 37.5°  | 2908.9 | 3704.0 | 4145.2 | 4174.3 | 4208.2 | 4164.6 | 4193.7 | 4208.2 | 4227.6 | 4217.9 | 4217.9 |
| 40°    | 2569.5 | 3408.2 | 3985.2 | 4004.6 | 4033.6 | 3999.7 | 4028.9 | 4038.5 | 4048.2 | 4038.5 | 4033.6 |
| 42.5°  | 2317.4 | 3083.4 | 3815.5 | 3839.8 | 3820.4 | 3844.5 | 3854.3 | 3873.7 | 3859.2 | 3839.8 | 3839.8 |
| 45°    | 2123.4 | 2996.1 | 3631.3 | 3660.3 | 3631.3 | 3670.1 | 3684.6 | 3684.6 | 3640.9 | 3631.3 | 3626.4 |
| 47.5°  | 2060.5 | 2821.6 | 3447.1 | 3447.1 | 3432.5 | 3481.0 | 3505.2 | 3471.2 | 3427.7 | 3413.1 | 3413.1 |
| 50°    | 2055.6 | 2627.7 | 3195.0 | 3175.6 | 3243.4 | 3301.6 | 3277.4 | 3243.4 | 3209.5 | 3156.2 | 3156.2 |
| 52.5°  | 1866.5 | 2390.2 | 2870.1 | 2942.8 | 3049.5 | 3083.4 | 3044.6 | 3010.7 | 2952.5 | 2928.3 | 2908.9 |
| 55°    | 1730.7 | 2142.9 | 2574.4 | 2719.8 | 2831.3 | 2874.9 | 2802.3 | 2768.3 | 2681.1 | 2666.5 | 2656.8 |
| 57.5°  | 1701.7 | 1784.1 | 2302.9 | 2487.1 | 2622.8 | 2618.0 | 2574.4 | 2511.4 | 2438.6 | 2424.1 | 2419.2 |
| 60°    | 1561.1 | 1289.6 | 2012.0 | 2230.1 | 2370.8 | 2356.2 | 2317.4 | 2259.2 | 2191.3 | 2181.7 | 2172.0 |
| 62.5°  | 1415.7 | 935.7  | 1682.3 | 1929.6 | 2128.3 | 2123.4 | 2089.5 | 2002.3 | 1953.8 | 1929.6 | 1910.2 |
| 65°    | 1202.3 | 785.4  | 1197.5 | 1604.8 | 1890.8 | 1900.4 | 1827.8 | 1764.7 | 1711.4 | 1682.3 | 1677.5 |
| 67.5°  | 916.3  | 639.9  | 809.6  | 1338.1 | 1662.9 | 1653.2 | 1561.1 | 1532.0 | 1464.1 | 1449.6 | 1420.5 |
| 70°    | 678.7  | 426.6  | 562.4  | 1086.0 | 1439.9 | 1415.7 | 1342.9 | 1309.0 | 1246.0 | 1212.0 | 1192.6 |
| 72.5°  | 562.4  | 344.2  | 412.1  | 843.6  | 1212.0 | 1183.0 | 1119.9 | 1081.2 | 1027.8 | 998.7  | 979.4  |
| 75°    | 455.7  | 363.6  | 315.2  | 625.4  | 984.1  | 964.7  | 906.6  | 867.8  | 824.2  | 785.4  | 790.3  |
| 77.5°  | 334.5  | 339.4  | 252.1  | 460.6  | 780.5  | 751.5  | 717.5  | 669.1  | 649.7  | 610.9  | 610.9  |
| 80°    | 252.1  | 266.6  | 189.1  | 315.2  | 562.4  | 562.4  | 533.3  | 499.4  | 465.5  | 446.0  | 446.0  |
| 82.5°  | 169.7  | 169.7  | 140.6  | 198.7  | 383.1  | 368.4  | 349.1  | 339.4  | 320.0  | 310.3  | 310.3  |
| 85°    | 77.5   | 96.9   | 87.3   | 121.2  | 208.5  | 218.1  | 218.1  | 208.5  | 203.6  | 194.0  | 198.7  |
| 87.5°  | 24.3   | 43.6   | 53.3   | 67.9   | 106.7  | 111.5  | 116.3  | 116.3  | 116.3  | 121.2  | 121.2  |
| 90°    | 5.9    | 10.6   | 15.4   | 16.5   | 26.0   | 38.6   | 44.9   | 39.9   | 29.9   | 22.4   | 22.4   |
| 92.5°  | 23.6   | 63.7   | 103.9  | 113.9  | 160.2  | 221.8  | 252.7  | 221.5  | 159.0  | 112.2  | 107.7  |
| 95°    | 56.7   | 130.2  | 203.7  | 222.0  | 394.2  | 623.9  | 738.7  | 659.1  | 500.1  | 380.9  | 367.3  |
| 97.5°  | 98.0   | 162.8  | 227.7  | 243.9  | 531.1  | 913.9  | 1105.4 | 1055.2 | 954.6  | 879.3  | 853.6  |
| 100°   | 129.9  | 188.7  | 247.4  | 262.1  | 580.8  | 1005.7 | 1218.2 | 1221.8 | 1229.2 | 1234.7 | 1204.1 |
| 102.5° | 157.1  | 211.9  | 266.7  | 280.5  | 603.7  | 1034.6 | 1250.1 | 1314.1 | 1442.1 | 1538.2 | 1512.0 |
| 105°   | 203.1  | 249.5  | 296.0  | 307.6  | 620.6  | 1037.9 | 1246.6 | 1390.1 | 1677.2 | 1892.5 | 1878.4 |
| 107.5° | 250.4  | 293.7  | 337.0  | 347.8  | 623.8  | 991.8  | 1175.7 | 1376.0 | 1776.5 | 2076.8 | 2080.3 |
| 110°   | 282.3  | 321.4  | 360.5  | 370.3  | 619.0  | 950.8  | 1116.7 | 1340.5 | 1788.2 | 2124.0 | 2138.7 |



TEST NUMBER: P934601  
 CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 313.5 | 350.8 | 388.0 | 397.4 | 619.2 | 915.0 | 1062.9 | 1292.0 | 1750.2 | 2093.9 | 2116.5 |
| 115°   | 360.8 | 395.2 | 429.6 | 438.2 | 625.0 | 874.0 | 998.5  | 1219.2 | 1660.6 | 1991.7 | 2023.1 |
| 117.5° | 407.4 | 438.6 | 469.9 | 477.7 | 636.5 | 848.3 | 954.2  | 1153.4 | 1551.8 | 1850.6 | 1885.3 |
| 120°   | 434.6 | 464.0 | 493.4 | 500.7 | 646.0 | 839.7 | 936.6  | 1118.6 | 1482.5 | 1755.6 | 1789.3 |
| 122.5° | 461.2 | 490.9 | 520.5 | 527.9 | 659.6 | 835.1 | 922.9  | 1086.8 | 1414.6 | 1660.5 | 1693.7 |
| 125°   | 501.9 | 529.0 | 556.0 | 562.8 | 678.0 | 831.4 | 908.2  | 1047.4 | 1325.8 | 1534.7 | 1565.3 |
| 127.5° | 535.0 | 562.3 | 589.6 | 596.4 | 696.2 | 829.2 | 895.8  | 1015.4 | 1254.4 | 1433.7 | 1459.6 |
| 130°   | 552.8 | 582.2 | 611.5 | 618.8 | 709.6 | 830.6 | 891.1  | 997.5  | 1210.4 | 1369.9 | 1393.8 |
| 132.5° | 571.0 | 600.4 | 629.8 | 637.2 | 720.5 | 831.4 | 886.9  | 982.2  | 1172.7 | 1315.6 | 1337.0 |
| 135°   | 598.2 | 625.0 | 651.7 | 658.4 | 732.2 | 830.7 | 879.8  | 959.7  | 1119.3 | 1238.9 | 1257.4 |
| 137.5° | 625.9 | 652.5 | 679.0 | 685.6 | 750.0 | 835.8 | 878.7  | 946.1  | 1081.1 | 1182.2 | 1197.3 |
| 140°   | 648.9 | 673.4 | 697.7 | 703.8 | 760.8 | 836.6 | 874.5  | 932.7  | 1049.4 | 1136.7 | 1150.9 |
| 142.5° | 666.7 | 689.2 | 711.9 | 717.5 | 769.8 | 839.6 | 874.5  | 925.7  | 1028.1 | 1104.8 | 1117.0 |
| 145°   | 693.8 | 713.5 | 733.2 | 738.1 | 781.7 | 839.6 | 868.7  | 910.5  | 994.3  | 1057.0 | 1066.2 |
| 147.5° | 721.0 | 740.1 | 759.3 | 764.1 | 799.0 | 845.5 | 868.7  | 901.6  | 967.5  | 1016.9 | 1024.5 |
| 150°   | 738.7 | 756.0 | 773.4 | 777.7 | 808.0 | 848.4 | 868.7  | 896.5  | 952.0  | 993.8  | 1000.0 |
| 152.5° | 757.0 | 770.1 | 783.3 | 786.5 | 813.9 | 850.4 | 868.7  | 892.4  | 939.9  | 975.5  | 980.2  |
| 155°   | 784.2 | 793.9 | 803.6 | 806.0 | 826.9 | 854.7 | 868.7  | 887.6  | 925.3  | 953.7  | 956.7  |
| 157.5° | 804.3 | 813.8 | 823.1 | 825.5 | 839.9 | 859.1 | 868.7  | 883.4  | 912.7  | 934.8  | 937.0  |
| 160°   | 817.9 | 825.2 | 832.6 | 834.4 | 845.8 | 861.0 | 868.7  | 881.3  | 906.4  | 925.3  | 926.5  |
| 162.5° | 831.4 | 837.0 | 842.5 | 843.8 | 852.1 | 863.1 | 868.7  | 879.3  | 900.5  | 916.4  | 917.6  |
| 165°   | 846.2 | 851.2 | 856.2 | 857.4 | 861.1 | 866.2 | 868.7  | 876.3  | 891.5  | 902.9  | 904.1  |
| 167.5° | 859.8 | 862.1 | 864.5 | 865.0 | 868.2 | 872.4 | 874.5  | 879.5  | 889.5  | 896.9  | 897.5  |
| 170°   | 868.7 | 871.0 | 873.3 | 873.9 | 874.1 | 874.4 | 874.5  | 879.5  | 889.5  | 896.9  | 896.9  |
| 172.5° | 873.3 | 873.8 | 874.4 | 874.5 | 874.5 | 874.5 | 874.5  | 878.4  | 886.3  | 892.3  | 891.8  |
| 175°   | 879.8 | 879.8 | 879.8 | 879.8 | 878.0 | 875.6 | 874.5  | 877.0  | 882.0  | 885.8  | 885.8  |
| 177.5° | 879.8 | 879.8 | 879.8 | 879.8 | 878.5 | 876.7 | 875.7  | 877.7  | 881.7  | 884.6  | 884.0  |
| 180°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  |



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 |
| 2.5°   | 5255.4 | 5240.8 | 5255.4 | 5245.7 | 5250.6 | 5236.0 | 5192.3 | 5177.8 | 5192.3 | 5206.9 | 5206.9 |
| 5°     | 5318.4 | 5308.7 | 5318.4 | 5318.4 | 5313.6 | 5303.9 | 5255.4 | 5245.7 | 5255.4 | 5260.2 | 5250.6 |
| 7.5°   | 5337.8 | 5323.3 | 5337.8 | 5328.1 | 5328.1 | 5318.4 | 5270.0 | 5260.2 | 5265.1 | 5279.6 | 5265.1 |
| 10°    | 5337.8 | 5323.3 | 5337.8 | 5333.0 | 5328.1 | 5318.4 | 5270.0 | 5250.6 | 5250.6 | 5265.1 | 5250.6 |
| 12.5°  | 5313.6 | 5303.9 | 5313.6 | 5303.9 | 5303.9 | 5294.1 | 5245.7 | 5226.3 | 5231.1 | 5236.0 | 5216.6 |
| 15°    | 5274.8 | 5260.2 | 5274.8 | 5265.1 | 5270.0 | 5255.4 | 5202.1 | 5182.7 | 5182.7 | 5192.3 | 5158.4 |
| 17.5°  | 5216.6 | 5197.2 | 5216.6 | 5211.7 | 5206.9 | 5197.2 | 5148.7 | 5129.3 | 5124.5 | 5129.3 | 5105.1 |
| 20°    | 5148.7 | 5134.2 | 5148.7 | 5143.9 | 5143.9 | 5124.5 | 5076.0 | 5051.8 | 5051.8 | 5051.8 | 5027.5 |
| 22.5°  | 5042.1 | 5027.5 | 5042.1 | 5051.8 | 5051.8 | 5046.9 | 5003.2 | 4969.3 | 4959.7 | 4959.7 | 4930.6 |
| 25°    | 4920.8 | 4906.3 | 4920.8 | 4920.8 | 4916.1 | 4920.8 | 4906.3 | 4886.9 | 4872.4 | 4857.9 | 4828.8 |
| 27.5°  | 4804.5 | 4794.9 | 4804.5 | 4794.9 | 4804.5 | 4790.0 | 4785.1 | 4780.3 | 4760.9 | 4746.3 | 4707.6 |
| 30°    | 4688.2 | 4678.4 | 4688.2 | 4678.4 | 4668.8 | 4659.1 | 4634.8 | 4625.2 | 4644.5 | 4634.8 | 4571.8 |
| 32.5°  | 4542.7 | 4533.0 | 4542.7 | 4542.7 | 4533.0 | 4533.0 | 4494.2 | 4479.7 | 4484.6 | 4513.6 | 4455.5 |
| 35°    | 4392.4 | 4377.9 | 4392.4 | 4387.6 | 4392.4 | 4377.9 | 4353.7 | 4348.8 | 4329.4 | 4363.3 | 4319.7 |
| 37.5°  | 4217.9 | 4203.3 | 4217.9 | 4217.9 | 4217.9 | 4227.6 | 4208.2 | 4193.7 | 4164.6 | 4208.2 | 4174.3 |
| 40°    | 4038.5 | 4019.1 | 4038.5 | 4033.6 | 4038.5 | 4048.2 | 4038.5 | 4028.9 | 3999.7 | 4033.6 | 4004.6 |
| 42.5°  | 3834.9 | 3830.0 | 3834.9 | 3839.8 | 3839.8 | 3859.2 | 3873.7 | 3854.3 | 3844.5 | 3820.4 | 3839.8 |
| 45°    | 3616.7 | 3607.0 | 3616.7 | 3626.4 | 3631.3 | 3640.9 | 3684.6 | 3684.6 | 3670.1 | 3631.3 | 3660.3 |
| 47.5°  | 3384.0 | 3359.8 | 3384.0 | 3413.1 | 3413.1 | 3427.7 | 3471.2 | 3505.2 | 3481.0 | 3432.5 | 3447.1 |
| 50°    | 3136.8 | 3141.6 | 3136.8 | 3156.2 | 3156.2 | 3209.5 | 3243.4 | 3277.4 | 3301.6 | 3243.4 | 3175.6 |
| 52.5°  | 2894.3 | 2889.5 | 2894.3 | 2908.9 | 2928.3 | 2952.5 | 3010.7 | 3044.6 | 3083.4 | 3049.5 | 2942.8 |
| 55°    | 2651.9 | 2661.7 | 2651.9 | 2656.8 | 2666.5 | 2681.1 | 2768.3 | 2802.3 | 2874.9 | 2831.3 | 2719.8 |
| 57.5°  | 2409.6 | 2394.9 | 2409.6 | 2419.2 | 2424.1 | 2438.6 | 2511.4 | 2574.4 | 2618.0 | 2622.8 | 2487.1 |
| 60°    | 2128.3 | 2108.9 | 2128.3 | 2172.0 | 2181.7 | 2191.3 | 2259.2 | 2317.4 | 2356.2 | 2370.8 | 2230.1 |
| 62.5°  | 1881.1 | 1847.2 | 1881.1 | 1910.2 | 1929.6 | 1953.8 | 2002.3 | 2089.5 | 2123.4 | 2128.3 | 1929.6 |
| 65°    | 1619.3 | 1604.8 | 1619.3 | 1677.5 | 1682.3 | 1711.4 | 1764.7 | 1827.8 | 1900.4 | 1890.8 | 1604.8 |
| 67.5°  | 1381.7 | 1381.7 | 1381.7 | 1420.5 | 1449.6 | 1464.1 | 1532.0 | 1561.1 | 1653.2 | 1662.9 | 1338.1 |
| 70°    | 1163.6 | 1158.7 | 1163.6 | 1192.6 | 1212.0 | 1246.0 | 1309.0 | 1342.9 | 1415.7 | 1439.9 | 1086.0 |
| 72.5°  | 955.1  | 950.2  | 955.1  | 979.4  | 998.7  | 1027.8 | 1081.2 | 1119.9 | 1183.0 | 1212.0 | 843.6  |
| 75°    | 770.9  | 761.1  | 770.9  | 790.3  | 785.4  | 824.2  | 867.8  | 906.6  | 964.7  | 984.1  | 625.4  |
| 77.5°  | 591.4  | 591.4  | 591.4  | 610.9  | 610.9  | 649.7  | 669.1  | 717.5  | 751.5  | 780.5  | 460.6  |
| 80°    | 441.2  | 436.3  | 441.2  | 446.0  | 446.0  | 465.5  | 499.4  | 533.3  | 562.4  | 562.4  | 315.2  |
| 82.5°  | 310.3  | 300.5  | 310.3  | 310.3  | 310.3  | 320.0  | 339.4  | 349.1  | 368.4  | 383.1  | 198.7  |
| 85°    | 194.0  | 194.0  | 194.0  | 198.7  | 194.0  | 203.6  | 208.5  | 218.1  | 218.1  | 208.5  | 121.2  |
| 87.5°  | 126.1  | 121.2  | 126.1  | 121.2  | 121.2  | 116.3  | 116.3  | 116.3  | 111.5  | 106.7  | 67.9   |
| 90°    | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 29.9   | 39.9   | 44.9   | 38.6   | 26.0   | 16.5   |
| 92.5°  | 89.9   | 72.0   | 89.9   | 107.7  | 112.2  | 159.0  | 221.5  | 252.7  | 221.8  | 160.2  | 113.9  |
| 95°    | 313.2  | 259.2  | 313.2  | 367.3  | 380.9  | 500.1  | 659.1  | 738.7  | 623.9  | 394.2  | 222.0  |
| 97.5°  | 750.6  | 647.8  | 750.6  | 853.6  | 879.3  | 954.6  | 1055.2 | 1105.4 | 913.9  | 531.1  | 243.9  |
| 100°   | 1081.5 | 959.0  | 1081.5 | 1204.1 | 1234.7 | 1229.2 | 1221.8 | 1218.2 | 1005.7 | 580.8  | 262.1  |
| 102.5° | 1407.0 | 1302.0 | 1407.0 | 1512.0 | 1538.2 | 1442.1 | 1314.1 | 1250.1 | 1034.6 | 603.7  | 280.5  |
| 105°   | 1822.0 | 1765.6 | 1822.0 | 1878.4 | 1892.5 | 1677.2 | 1390.1 | 1246.6 | 1037.9 | 620.6  | 307.6  |
| 107.5° | 2093.8 | 2107.5 | 2093.8 | 2080.3 | 2076.8 | 1776.5 | 1376.0 | 1175.7 | 991.8  | 623.8  | 347.8  |
| 110°   | 2197.5 | 2256.3 | 2197.5 | 2138.7 | 2124.0 | 1788.2 | 1340.5 | 1116.7 | 950.8  | 619.0  | 370.3  |





TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2206.8 | 2297.1 | 2206.8 | 2116.5 | 2093.9 | 1750.2 | 1292.0 | 1062.9 | 915.0 | 619.2 | 397.4  |
| 115°   | 2148.3 | 2273.5 | 2148.3 | 2023.1 | 1991.7 | 1660.6 | 1219.2 | 998.5  | 874.0 | 625.0 | 438.2  |
| 117.5° | 2024.1 | 2163.0 | 2024.1 | 1885.3 | 1850.6 | 1551.8 | 1153.4 | 954.2  | 848.3 | 636.5 | 477.7  |
| 120°   | 1924.2 | 2059.1 | 1924.2 | 1789.3 | 1755.6 | 1482.5 | 1118.6 | 936.6  | 839.7 | 646.0 | 500.7  |
| 122.5° | 1826.8 | 1959.9 | 1826.8 | 1693.7 | 1660.5 | 1414.6 | 1086.8 | 922.9  | 835.1 | 659.6 | 527.9  |
| 125°   | 1687.9 | 1810.5 | 1687.9 | 1565.3 | 1534.7 | 1325.8 | 1047.4 | 908.2  | 831.4 | 678.0 | 562.8  |
| 127.5° | 1563.0 | 1666.4 | 1563.0 | 1459.6 | 1433.7 | 1254.4 | 1015.4 | 895.8  | 829.2 | 696.2 | 596.4  |
| 130°   | 1489.4 | 1584.9 | 1489.4 | 1393.8 | 1369.9 | 1210.4 | 997.5  | 891.1  | 830.6 | 709.6 | 618.8  |
| 132.5° | 1422.6 | 1508.1 | 1422.6 | 1337.0 | 1315.6 | 1172.7 | 982.2  | 886.9  | 831.4 | 720.5 | 637.2  |
| 135°   | 1331.1 | 1404.8 | 1331.1 | 1257.4 | 1238.9 | 1119.3 | 959.7  | 879.8  | 830.7 | 732.2 | 658.4  |
| 137.5° | 1257.6 | 1318.0 | 1257.6 | 1197.3 | 1182.2 | 1081.1 | 946.1  | 878.7  | 835.8 | 750.0 | 685.6  |
| 140°   | 1207.2 | 1263.7 | 1207.2 | 1150.9 | 1136.7 | 1049.4 | 932.7  | 874.5  | 836.6 | 760.8 | 703.8  |
| 142.5° | 1165.6 | 1214.1 | 1165.6 | 1117.0 | 1104.8 | 1028.1 | 925.7  | 874.5  | 839.6 | 769.8 | 717.5  |
| 145°   | 1102.9 | 1139.7 | 1102.9 | 1066.2 | 1057.0 | 994.3  | 910.5  | 868.7  | 839.6 | 781.7 | 738.1  |
| 147.5° | 1054.9 | 1085.4 | 1054.9 | 1024.5 | 1016.9 | 967.5  | 901.6  | 868.7  | 845.5 | 799.0 | 764.1  |
| 150°   | 1024.6 | 1049.4 | 1024.6 | 1000.0 | 993.8  | 952.0  | 896.5  | 868.7  | 848.4 | 808.0 | 777.7  |
| 152.5° | 998.8  | 1017.5 | 998.8  | 980.2  | 975.5  | 939.9  | 892.4  | 868.7  | 850.4 | 813.9 | 786.5  |
| 155°   | 969.1  | 981.5  | 969.1  | 956.7  | 953.7  | 925.3  | 887.6  | 868.7  | 854.7 | 826.9 | 806.0  |
| 157.5° | 945.5  | 954.2  | 945.5  | 937.0  | 934.8  | 912.7  | 883.4  | 868.7  | 859.1 | 839.9 | 825.5  |
| 160°   | 931.6  | 936.6  | 931.6  | 926.5  | 925.3  | 906.4  | 881.3  | 868.7  | 861.0 | 845.8 | 834.4  |
| 162.5° | 922.3  | 927.1  | 922.3  | 917.6  | 916.4  | 900.5  | 879.3  | 868.7  | 863.1 | 852.1 | 843.8  |
| 165°   | 909.2  | 914.1  | 909.2  | 904.1  | 902.9  | 891.5  | 876.3  | 868.7  | 866.2 | 861.1 | 857.4  |
| 167.5° | 899.6  | 901.7  | 899.6  | 897.5  | 896.9  | 889.5  | 879.5  | 874.5  | 872.4 | 868.2 | 865.0  |
| 170°   | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 889.5  | 879.5  | 874.5  | 874.4 | 874.1 | 873.9  |
| 172.5° | 890.0  | 888.2  | 890.0  | 891.8  | 892.3  | 886.3  | 878.4  | 874.5  | 874.5 | 874.5 | 874.5  |
| 175°   | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 882.0  | 877.0  | 874.5  | 875.6 | 878.0 | 879.8  |
| 177.5° | 881.9  | 879.8  | 881.9  | 884.0  | 884.6  | 881.7  | 877.7  | 875.7  | 876.7 | 878.5 | 879.8  |
| 180°   | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8 | 879.8 | 879.8  |



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 |
| 2.5°   | 5197.2 | 5168.2 | 5168.2 | 5119.7 | 5100.3 | 5085.8 | 5061.5 | 4988.7 | 4969.3 | 4950.0 | 4979.1 |
| 5°     | 5240.8 | 5187.6 | 5148.7 | 5061.5 | 4988.7 | 4959.7 | 4867.5 | 4693.0 | 4576.6 | 4489.4 | 4440.9 |
| 7.5°   | 5250.6 | 5182.7 | 5109.9 | 4974.2 | 4799.6 | 4722.1 | 4440.9 | 4120.9 | 4033.6 | 3956.1 | 3907.6 |
| 10°    | 5240.8 | 5163.3 | 5061.5 | 4857.9 | 4445.7 | 4310.0 | 4028.9 | 3820.4 | 3767.0 | 3752.5 | 3767.0 |
| 12.5°  | 5206.9 | 5134.2 | 4993.6 | 4654.2 | 4077.3 | 3985.2 | 3820.4 | 3699.1 | 3689.5 | 3713.7 | 3844.5 |
| 15°    | 5148.7 | 5080.9 | 4916.1 | 4382.7 | 3873.7 | 3805.8 | 3689.5 | 3645.8 | 3699.1 | 3868.8 | 4261.5 |
| 17.5°  | 5090.5 | 5013.0 | 4809.4 | 4116.0 | 3718.6 | 3670.1 | 3587.6 | 3674.9 | 3975.5 | 4203.3 | 4334.3 |
| 20°    | 5013.0 | 4920.8 | 4688.2 | 3922.2 | 3607.0 | 3563.4 | 3524.6 | 3917.3 | 4145.2 | 4227.6 | 4300.3 |
| 22.5°  | 4920.8 | 4823.9 | 4523.4 | 3786.4 | 3490.7 | 3456.7 | 3481.0 | 4053.0 | 4145.2 | 4203.3 | 4266.4 |
| 25°    | 4799.6 | 4717.2 | 4329.4 | 3679.7 | 3398.6 | 3359.8 | 3451.8 | 4038.5 | 4091.8 | 4106.4 | 4232.5 |
| 27.5°  | 4688.2 | 4581.5 | 4125.8 | 3582.8 | 3287.0 | 3272.5 | 3476.1 | 3975.5 | 4014.2 | 4028.9 | 4164.6 |
| 30°    | 4552.4 | 4392.4 | 3897.9 | 3481.0 | 3170.7 | 3165.8 | 3481.0 | 3897.9 | 3888.2 | 3927.0 | 4062.8 |
| 32.5°  | 4411.8 | 4111.3 | 3640.9 | 3354.9 | 3059.2 | 3054.4 | 3447.1 | 3781.5 | 3771.9 | 3825.2 | 3927.0 |
| 35°    | 4280.9 | 3893.1 | 3291.9 | 3209.5 | 2918.6 | 2923.4 | 3364.7 | 3645.8 | 3650.7 | 3699.1 | 3762.1 |
| 37.5°  | 4145.2 | 3704.0 | 2908.9 | 3049.5 | 2782.9 | 2782.9 | 3253.1 | 3519.7 | 3510.1 | 3524.6 | 3611.9 |
| 40°    | 3985.2 | 3408.2 | 2569.5 | 2841.0 | 2656.8 | 2642.2 | 3117.4 | 3384.0 | 3350.0 | 3345.3 | 3466.5 |
| 42.5°  | 3815.5 | 3083.4 | 2317.4 | 2564.7 | 2511.4 | 2492.0 | 2952.5 | 3219.2 | 3156.2 | 3170.7 | 3325.8 |
| 45°    | 3631.3 | 2996.1 | 2123.4 | 2167.1 | 2361.0 | 2346.5 | 2773.1 | 3030.1 | 2986.5 | 3025.2 | 3185.2 |
| 47.5°  | 3447.1 | 2821.6 | 2060.5 | 1798.6 | 2201.1 | 2196.2 | 2574.4 | 2845.9 | 2821.6 | 2860.4 | 3030.1 |
| 50°    | 3195.0 | 2627.7 | 2055.6 | 1541.8 | 2021.6 | 2041.0 | 2336.8 | 2666.5 | 2666.5 | 2700.5 | 2879.8 |
| 52.5°  | 2870.1 | 2390.2 | 1866.5 | 1396.3 | 1813.2 | 1871.4 | 2128.3 | 2511.4 | 2521.0 | 2555.0 | 2715.0 |
| 55°    | 2574.4 | 2142.9 | 1730.7 | 1284.8 | 1565.9 | 1692.0 | 1924.7 | 2351.3 | 2370.8 | 2404.7 | 2550.1 |
| 57.5°  | 2302.9 | 1784.1 | 1701.7 | 1153.8 | 1338.1 | 1459.3 | 1745.4 | 2196.2 | 2206.0 | 2235.0 | 2375.6 |
| 60°    | 2012.0 | 1289.6 | 1561.1 | 1013.3 | 1139.3 | 1231.5 | 1580.5 | 2012.0 | 2045.9 | 2065.3 | 2186.5 |
| 62.5°  | 1682.3 | 935.7  | 1415.7 | 916.3  | 1042.4 | 1061.8 | 1444.7 | 1837.4 | 1881.1 | 1895.6 | 1968.4 |
| 65°    | 1197.5 | 785.4  | 1202.3 | 833.9  | 940.6  | 945.4  | 1299.3 | 1658.1 | 1696.8 | 1721.1 | 1774.4 |
| 67.5°  | 809.6  | 639.9  | 916.3  | 756.3  | 862.9  | 867.8  | 1158.7 | 1449.6 | 1502.9 | 1522.4 | 1556.3 |
| 70°    | 562.4  | 426.6  | 678.7  | 673.8  | 775.7  | 785.4  | 1008.4 | 1260.5 | 1309.0 | 1323.5 | 1342.9 |
| 72.5°  | 412.1  | 344.2  | 562.4  | 606.0  | 683.6  | 693.3  | 853.3  | 1047.2 | 1095.7 | 1110.2 | 1119.9 |
| 75°    | 315.2  | 363.6  | 455.7  | 528.4  | 581.8  | 586.7  | 698.1  | 853.3  | 887.2  | 896.9  | 901.7  |
| 77.5°  | 252.1  | 339.4  | 334.5  | 426.6  | 475.1  | 465.5  | 547.9  | 659.3  | 688.5  | 688.5  | 688.5  |
| 80°    | 189.1  | 266.6  | 252.1  | 305.4  | 349.1  | 339.4  | 392.7  | 470.2  | 480.0  | 489.6  | 484.9  |
| 82.5°  | 140.6  | 169.7  | 169.7  | 194.0  | 232.7  | 223.0  | 261.8  | 305.4  | 305.4  | 305.4  | 315.2  |
| 85°    | 87.3   | 96.9   | 77.5   | 101.8  | 130.9  | 126.1  | 145.4  | 164.8  | 169.7  | 169.7  | 160.0  |
| 87.5°  | 53.3   | 43.6   | 24.3   | 38.8   | 58.2   | 58.2   | 67.9   | 72.7   | 67.9   | 67.9   | 67.9   |
| 90°    | 15.4   | 10.6   | 5.9    | 10.6   | 15.4   | 16.5   | 26.0   | 38.6   | 44.9   | 39.9   | 29.9   |
| 92.5°  | 103.9  | 63.7   | 23.6   | 63.7   | 103.9  | 113.9  | 160.2  | 221.8  | 252.7  | 221.5  | 159.0  |
| 95°    | 203.7  | 130.2  | 56.7   | 130.2  | 203.7  | 222.0  | 394.2  | 623.9  | 738.7  | 659.1  | 500.1  |
| 97.5°  | 227.7  | 162.8  | 98.0   | 162.8  | 227.7  | 243.9  | 531.1  | 913.9  | 1105.4 | 1055.2 | 954.6  |
| 100°   | 247.4  | 188.7  | 129.9  | 188.7  | 247.4  | 262.1  | 580.8  | 1005.7 | 1218.2 | 1221.8 | 1229.2 |
| 102.5° | 266.7  | 211.9  | 157.1  | 211.9  | 266.7  | 280.5  | 603.7  | 1034.6 | 1250.1 | 1314.1 | 1442.1 |
| 105°   | 296.0  | 249.5  | 203.1  | 249.5  | 296.0  | 307.6  | 620.6  | 1037.9 | 1246.6 | 1390.1 | 1677.2 |
| 107.5° | 337.0  | 293.7  | 250.4  | 293.7  | 337.0  | 347.8  | 623.8  | 991.8  | 1175.7 | 1376.0 | 1776.5 |
| 110°   | 360.5  | 321.4  | 282.3  | 321.4  | 360.5  | 370.3  | 619.0  | 950.8  | 1116.7 | 1340.5 | 1788.2 |



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°   | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 388.0 | 350.8 | 313.5 | 350.8 | 388.0 | 397.4  | 619.2 | 915.0 | 1062.9 | 1292.0 | 1750.2 |
| 115°   | 429.6 | 395.2 | 360.8 | 395.2 | 429.6 | 438.2  | 625.0 | 874.0 | 998.5  | 1219.2 | 1660.6 |
| 117.5° | 469.9 | 438.6 | 407.4 | 438.6 | 469.9 | 477.7  | 636.5 | 848.3 | 954.2  | 1153.4 | 1551.8 |
| 120°   | 493.4 | 464.0 | 434.6 | 464.0 | 493.4 | 500.7  | 646.0 | 839.7 | 936.6  | 1118.6 | 1482.5 |
| 122.5° | 520.5 | 490.9 | 461.2 | 490.9 | 520.5 | 527.9  | 659.6 | 835.1 | 922.9  | 1086.8 | 1414.6 |
| 125°   | 556.0 | 529.0 | 501.9 | 529.0 | 556.0 | 562.8  | 678.0 | 831.4 | 908.2  | 1047.4 | 1325.8 |
| 127.5° | 589.6 | 562.3 | 535.0 | 562.3 | 589.6 | 596.4  | 696.2 | 829.2 | 895.8  | 1015.4 | 1254.4 |
| 130°   | 611.5 | 582.2 | 552.8 | 582.2 | 611.5 | 618.8  | 709.6 | 830.6 | 891.1  | 997.5  | 1210.4 |
| 132.5° | 629.8 | 600.4 | 571.0 | 600.4 | 629.8 | 637.2  | 720.5 | 831.4 | 886.9  | 982.2  | 1172.7 |
| 135°   | 651.7 | 625.0 | 598.2 | 625.0 | 651.7 | 658.4  | 732.2 | 830.7 | 879.8  | 959.7  | 1119.3 |
| 137.5° | 679.0 | 652.5 | 625.9 | 652.5 | 679.0 | 685.6  | 750.0 | 835.8 | 878.7  | 946.1  | 1081.1 |
| 140°   | 697.7 | 673.4 | 648.9 | 673.4 | 697.7 | 703.8  | 760.8 | 836.6 | 874.5  | 932.7  | 1049.4 |
| 142.5° | 711.9 | 689.2 | 666.7 | 689.2 | 711.9 | 717.5  | 769.8 | 839.6 | 874.5  | 925.7  | 1028.1 |
| 145°   | 733.2 | 713.5 | 693.8 | 713.5 | 733.2 | 738.1  | 781.7 | 839.6 | 868.7  | 910.5  | 994.3  |
| 147.5° | 759.3 | 740.1 | 721.0 | 740.1 | 759.3 | 764.1  | 799.0 | 845.5 | 868.7  | 901.6  | 967.5  |
| 150°   | 773.4 | 756.0 | 738.7 | 756.0 | 773.4 | 777.7  | 808.0 | 848.4 | 868.7  | 896.5  | 952.0  |
| 152.5° | 783.3 | 770.1 | 757.0 | 770.1 | 783.3 | 786.5  | 813.9 | 850.4 | 868.7  | 892.4  | 939.9  |
| 155°   | 803.6 | 793.9 | 784.2 | 793.9 | 803.6 | 806.0  | 826.9 | 854.7 | 868.7  | 887.6  | 925.3  |
| 157.5° | 823.1 | 813.8 | 804.3 | 813.8 | 823.1 | 825.5  | 839.9 | 859.1 | 868.7  | 883.4  | 912.7  |
| 160°   | 832.6 | 825.2 | 817.9 | 825.2 | 832.6 | 834.4  | 845.8 | 861.0 | 868.7  | 881.3  | 906.4  |
| 162.5° | 842.5 | 837.0 | 831.4 | 837.0 | 842.5 | 843.8  | 852.1 | 863.1 | 868.7  | 879.3  | 900.5  |
| 165°   | 856.2 | 851.2 | 846.2 | 851.2 | 856.2 | 857.4  | 861.1 | 866.2 | 868.7  | 876.3  | 891.5  |
| 167.5° | 864.5 | 862.1 | 859.8 | 862.1 | 864.5 | 865.0  | 868.2 | 872.4 | 874.5  | 879.5  | 889.5  |
| 170°   | 873.3 | 871.0 | 868.7 | 871.0 | 873.3 | 873.9  | 874.1 | 874.4 | 874.5  | 879.5  | 889.5  |
| 172.5° | 874.4 | 873.8 | 873.3 | 873.8 | 874.4 | 874.5  | 874.5 | 874.5 | 874.5  | 878.4  | 886.3  |
| 175°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 878.0 | 875.6 | 874.5  | 877.0  | 882.0  |
| 177.5° | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 878.5 | 876.7 | 875.7  | 877.7  | 881.7  |
| 180°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 | 879.8  | 879.8 | 879.8 | 879.8  | 879.8  | 879.8  |



TEST NUMBER: P934601  
 CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 |
| 2.5°   | 4945.1 | 4930.6 | 4950.0 | 4896.7 | 4950.0 | 4930.6 | 4945.1 | 4979.1 | 4950.0 | 4969.3 | 4988.7 |
| 5°     | 4339.1 | 4314.9 | 4237.2 | 4174.3 | 4237.2 | 4314.9 | 4339.1 | 4440.9 | 4489.4 | 4576.6 | 4693.0 |
| 7.5°   | 3878.5 | 3859.2 | 3839.8 | 3801.0 | 3839.8 | 3859.2 | 3878.5 | 3907.6 | 3956.1 | 4033.6 | 4120.9 |
| 10°    | 3776.7 | 3781.5 | 3810.6 | 3805.8 | 3810.6 | 3781.5 | 3776.7 | 3767.0 | 3752.5 | 3767.0 | 3820.4 |
| 12.5°  | 4038.5 | 4082.1 | 4242.1 | 4232.5 | 4242.1 | 4082.1 | 4038.5 | 3844.5 | 3713.7 | 3689.5 | 3699.1 |
| 15°    | 4339.1 | 4353.7 | 4387.6 | 4392.4 | 4387.6 | 4353.7 | 4339.1 | 4261.5 | 3868.8 | 3699.1 | 3645.8 |
| 17.5°  | 4368.2 | 4373.0 | 4397.3 | 4397.3 | 4397.3 | 4373.0 | 4368.2 | 4334.3 | 4203.3 | 3975.5 | 3674.9 |
| 20°    | 4343.9 | 4353.7 | 4402.2 | 4411.8 | 4402.2 | 4353.7 | 4343.9 | 4300.3 | 4227.6 | 4145.2 | 3917.3 |
| 22.5°  | 4334.3 | 4353.7 | 4392.4 | 4387.6 | 4392.4 | 4353.7 | 4334.3 | 4266.4 | 4203.3 | 4145.2 | 4053.0 |
| 25°    | 4285.8 | 4285.8 | 4290.6 | 4295.5 | 4290.6 | 4285.8 | 4285.8 | 4232.5 | 4106.4 | 4091.8 | 4038.5 |
| 27.5°  | 4184.0 | 4193.7 | 4222.7 | 4217.9 | 4222.7 | 4193.7 | 4184.0 | 4164.6 | 4028.9 | 4014.2 | 3975.5 |
| 30°    | 4091.8 | 4082.1 | 4057.9 | 4038.5 | 4057.9 | 4082.1 | 4091.8 | 4062.8 | 3927.0 | 3888.2 | 3897.9 |
| 32.5°  | 3936.7 | 3912.4 | 3888.2 | 3873.7 | 3888.2 | 3912.4 | 3936.7 | 3927.0 | 3825.2 | 3771.9 | 3781.5 |
| 35°    | 3752.5 | 3757.4 | 3752.5 | 3738.0 | 3752.5 | 3757.4 | 3752.5 | 3762.1 | 3699.1 | 3650.7 | 3645.8 |
| 37.5°  | 3621.6 | 3631.3 | 3626.4 | 3607.0 | 3626.4 | 3631.3 | 3621.6 | 3611.9 | 3524.6 | 3510.1 | 3519.7 |
| 40°    | 3485.8 | 3490.7 | 3485.8 | 3471.2 | 3485.8 | 3490.7 | 3485.8 | 3466.5 | 3345.3 | 3350.0 | 3384.0 |
| 42.5°  | 3354.9 | 3350.0 | 3335.5 | 3325.8 | 3335.5 | 3350.0 | 3354.9 | 3325.8 | 3170.7 | 3156.2 | 3219.2 |
| 45°    | 3204.6 | 3209.5 | 3180.3 | 3165.8 | 3180.3 | 3209.5 | 3204.6 | 3185.2 | 3025.2 | 2986.5 | 3030.1 |
| 47.5°  | 3054.4 | 3054.4 | 3030.1 | 3015.5 | 3030.1 | 3054.4 | 3054.4 | 3030.1 | 2860.4 | 2821.6 | 2845.9 |
| 50°    | 2894.3 | 2889.5 | 2855.5 | 2850.7 | 2855.5 | 2889.5 | 2894.3 | 2879.8 | 2700.5 | 2666.5 | 2666.5 |
| 52.5°  | 2710.1 | 2710.1 | 2715.0 | 2724.6 | 2715.0 | 2710.1 | 2710.1 | 2715.0 | 2555.0 | 2521.0 | 2511.4 |
| 55°    | 2550.1 | 2555.0 | 2588.9 | 2598.7 | 2588.9 | 2555.0 | 2550.1 | 2550.1 | 2404.7 | 2370.8 | 2351.3 |
| 57.5°  | 2385.3 | 2385.3 | 2409.6 | 2409.6 | 2409.6 | 2385.3 | 2385.3 | 2375.6 | 2235.0 | 2206.0 | 2196.2 |
| 60°    | 2196.2 | 2206.0 | 2225.3 | 2220.5 | 2225.3 | 2206.0 | 2196.2 | 2186.5 | 2065.3 | 2045.9 | 2012.0 |
| 62.5°  | 1997.5 | 2007.1 | 2012.0 | 2002.3 | 2012.0 | 2007.1 | 1997.5 | 1968.4 | 1895.6 | 1881.1 | 1837.4 |
| 65°    | 1789.0 | 1798.6 | 1803.5 | 1793.8 | 1803.5 | 1798.6 | 1789.0 | 1774.4 | 1721.1 | 1696.8 | 1658.1 |
| 67.5°  | 1575.7 | 1570.8 | 1565.9 | 1585.3 | 1565.9 | 1570.8 | 1575.7 | 1556.3 | 1522.4 | 1502.9 | 1449.6 |
| 70°    | 1357.4 | 1357.4 | 1352.7 | 1362.3 | 1352.7 | 1357.4 | 1357.4 | 1342.9 | 1323.5 | 1309.0 | 1260.5 |
| 72.5°  | 1124.8 | 1119.9 | 1139.3 | 1124.8 | 1139.3 | 1119.9 | 1124.8 | 1119.9 | 1110.2 | 1095.7 | 1047.2 |
| 75°    | 896.9  | 906.6  | 896.9  | 911.5  | 896.9  | 906.6  | 896.9  | 901.7  | 896.9  | 887.2  | 853.3  |
| 77.5°  | 683.6  | 693.3  | 683.6  | 683.6  | 683.6  | 693.3  | 683.6  | 688.5  | 688.5  | 688.5  | 659.3  |
| 80°    | 484.9  | 480.0  | 480.0  | 475.1  | 480.0  | 480.0  | 484.9  | 484.9  | 489.6  | 480.0  | 470.2  |
| 82.5°  | 310.3  | 305.4  | 305.4  | 315.2  | 305.4  | 305.4  | 310.3  | 315.2  | 305.4  | 305.4  | 305.4  |
| 85°    | 169.7  | 174.6  | 164.8  | 164.8  | 164.8  | 174.6  | 169.7  | 160.0  | 169.7  | 169.7  | 164.8  |
| 87.5°  | 63.0   | 58.2   | 58.2   | 58.2   | 58.2   | 58.2   | 63.0   | 67.9   | 67.9   | 67.9   | 72.7   |
| 90°    | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 22.4   | 29.9   | 39.9   | 44.9   | 38.6   |
| 92.5°  | 112.2  | 107.7  | 89.9   | 72.0   | 89.9   | 107.7  | 112.2  | 159.0  | 221.5  | 252.7  | 221.8  |
| 95°    | 380.9  | 367.3  | 313.2  | 259.2  | 313.2  | 367.3  | 380.9  | 500.1  | 659.1  | 738.7  | 623.9  |
| 97.5°  | 879.3  | 853.6  | 750.6  | 647.8  | 750.6  | 853.6  | 879.3  | 954.6  | 1055.2 | 1105.4 | 913.9  |
| 100°   | 1234.7 | 1204.1 | 1081.5 | 959.0  | 1081.5 | 1204.1 | 1234.7 | 1229.2 | 1221.8 | 1218.2 | 1005.7 |
| 102.5° | 1538.2 | 1512.0 | 1407.0 | 1302.0 | 1407.0 | 1512.0 | 1538.2 | 1442.1 | 1314.1 | 1250.1 | 1034.6 |
| 105°   | 1892.5 | 1878.4 | 1822.0 | 1765.6 | 1822.0 | 1878.4 | 1892.5 | 1677.2 | 1390.1 | 1246.6 | 1037.9 |
| 107.5° | 2076.8 | 2080.3 | 2093.8 | 2107.5 | 2093.8 | 2080.3 | 2076.8 | 1776.5 | 1376.0 | 1175.7 | 991.8  |
| 110°   | 2124.0 | 2138.7 | 2197.5 | 2256.3 | 2197.5 | 2138.7 | 2124.0 | 1788.2 | 1340.5 | 1116.7 | 950.8  |



TEST NUMBER: P934601

CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2093.9 | 2116.5 | 2206.8 | 2297.1 | 2206.8 | 2116.5 | 2093.9 | 1750.2 | 1292.0 | 1062.9 | 915.0 |
| 115°   | 1991.7 | 2023.1 | 2148.3 | 2273.5 | 2148.3 | 2023.1 | 1991.7 | 1660.6 | 1219.2 | 998.5  | 874.0 |
| 117.5° | 1850.6 | 1885.3 | 2024.1 | 2163.0 | 2024.1 | 1885.3 | 1850.6 | 1551.8 | 1153.4 | 954.2  | 848.3 |
| 120°   | 1755.6 | 1789.3 | 1924.2 | 2059.1 | 1924.2 | 1789.3 | 1755.6 | 1482.5 | 1118.6 | 936.6  | 839.7 |
| 122.5° | 1660.5 | 1693.7 | 1826.8 | 1959.9 | 1826.8 | 1693.7 | 1660.5 | 1414.6 | 1086.8 | 922.9  | 835.1 |
| 125°   | 1534.7 | 1565.3 | 1687.9 | 1810.5 | 1687.9 | 1565.3 | 1534.7 | 1325.8 | 1047.4 | 908.2  | 831.4 |
| 127.5° | 1433.7 | 1459.6 | 1563.0 | 1666.4 | 1563.0 | 1459.6 | 1433.7 | 1254.4 | 1015.4 | 895.8  | 829.2 |
| 130°   | 1369.9 | 1393.8 | 1489.4 | 1584.9 | 1489.4 | 1393.8 | 1369.9 | 1210.4 | 997.5  | 891.1  | 830.6 |
| 132.5° | 1315.6 | 1337.0 | 1422.6 | 1508.1 | 1422.6 | 1337.0 | 1315.6 | 1172.7 | 982.2  | 886.9  | 831.4 |
| 135°   | 1238.9 | 1257.4 | 1331.1 | 1404.8 | 1331.1 | 1257.4 | 1238.9 | 1119.3 | 959.7  | 879.8  | 830.7 |
| 137.5° | 1182.2 | 1197.3 | 1257.6 | 1318.0 | 1257.6 | 1197.3 | 1182.2 | 1081.1 | 946.1  | 878.7  | 835.8 |
| 140°   | 1136.7 | 1150.9 | 1207.2 | 1263.7 | 1207.2 | 1150.9 | 1136.7 | 1049.4 | 932.7  | 874.5  | 836.6 |
| 142.5° | 1104.8 | 1117.0 | 1165.6 | 1214.1 | 1165.6 | 1117.0 | 1104.8 | 1028.1 | 925.7  | 874.5  | 839.6 |
| 145°   | 1057.0 | 1066.2 | 1102.9 | 1139.7 | 1102.9 | 1066.2 | 1057.0 | 994.3  | 910.5  | 868.7  | 839.6 |
| 147.5° | 1016.9 | 1024.5 | 1054.9 | 1085.4 | 1054.9 | 1024.5 | 1016.9 | 967.5  | 901.6  | 868.7  | 845.5 |
| 150°   | 993.8  | 1000.0 | 1024.6 | 1049.4 | 1024.6 | 1000.0 | 993.8  | 952.0  | 896.5  | 868.7  | 848.4 |
| 152.5° | 975.5  | 980.2  | 998.8  | 1017.5 | 998.8  | 980.2  | 975.5  | 939.9  | 892.4  | 868.7  | 850.4 |
| 155°   | 953.7  | 956.7  | 969.1  | 981.5  | 969.1  | 956.7  | 953.7  | 925.3  | 887.6  | 868.7  | 854.7 |
| 157.5° | 934.8  | 937.0  | 945.5  | 954.2  | 945.5  | 937.0  | 934.8  | 912.7  | 883.4  | 868.7  | 859.1 |
| 160°   | 925.3  | 926.5  | 931.6  | 936.6  | 931.6  | 926.5  | 925.3  | 906.4  | 881.3  | 868.7  | 861.0 |
| 162.5° | 916.4  | 917.6  | 922.3  | 927.1  | 922.3  | 917.6  | 916.4  | 900.5  | 879.3  | 868.7  | 863.1 |
| 165°   | 902.9  | 904.1  | 909.2  | 914.1  | 909.2  | 904.1  | 902.9  | 891.5  | 876.3  | 868.7  | 866.2 |
| 167.5° | 896.9  | 897.5  | 899.6  | 901.7  | 899.6  | 897.5  | 896.9  | 889.5  | 879.5  | 874.5  | 872.4 |
| 170°   | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 896.9  | 889.5  | 879.5  | 874.5  | 874.4 |
| 172.5° | 892.3  | 891.8  | 890.0  | 888.2  | 890.0  | 891.8  | 892.3  | 886.3  | 878.4  | 874.5  | 874.5 |
| 175°   | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 885.8  | 882.0  | 877.0  | 874.5  | 875.6 |
| 177.5° | 884.6  | 884.0  | 881.9  | 879.8  | 881.9  | 884.0  | 884.6  | 881.7  | 877.7  | 875.7  | 876.7 |
| 180°   | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8  | 879.8 |



TEST NUMBER: P934601  
 CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 5124.5 | 5124.5 | 5124.5 | 5124.5 | 5124.5 |
| 2.5°   | 5061.5 | 5085.8 | 5100.3 | 5119.7 | 5168.2 |
| 5°     | 4867.5 | 4959.7 | 4988.7 | 5061.5 | 5148.7 |
| 7.5°   | 4440.9 | 4722.1 | 4799.6 | 4974.2 | 5109.9 |
| 10°    | 4028.9 | 4310.0 | 4445.7 | 4857.9 | 5061.5 |
| 12.5°  | 3820.4 | 3985.2 | 4077.3 | 4654.2 | 4993.6 |
| 15°    | 3689.5 | 3805.8 | 3873.7 | 4382.7 | 4916.1 |
| 17.5°  | 3587.6 | 3670.1 | 3718.6 | 4116.0 | 4809.4 |
| 20°    | 3524.6 | 3563.4 | 3607.0 | 3922.2 | 4688.2 |
| 22.5°  | 3481.0 | 3456.7 | 3490.7 | 3786.4 | 4523.4 |
| 25°    | 3451.8 | 3359.8 | 3398.6 | 3679.7 | 4329.4 |
| 27.5°  | 3476.1 | 3272.5 | 3287.0 | 3582.8 | 4125.8 |
| 30°    | 3481.0 | 3165.8 | 3170.7 | 3481.0 | 3897.9 |
| 32.5°  | 3447.1 | 3054.4 | 3059.2 | 3354.9 | 3640.9 |
| 35°    | 3364.7 | 2923.4 | 2918.6 | 3209.5 | 3291.9 |
| 37.5°  | 3253.1 | 2782.9 | 2782.9 | 3049.5 | 2908.9 |
| 40°    | 3117.4 | 2642.2 | 2656.8 | 2841.0 | 2569.5 |
| 42.5°  | 2952.5 | 2492.0 | 2511.4 | 2564.7 | 2317.4 |
| 45°    | 2773.1 | 2346.5 | 2361.0 | 2167.1 | 2123.4 |
| 47.5°  | 2574.4 | 2196.2 | 2201.1 | 1798.6 | 2060.5 |
| 50°    | 2336.8 | 2041.0 | 2021.6 | 1541.8 | 2055.6 |
| 52.5°  | 2128.3 | 1871.4 | 1813.2 | 1396.3 | 1866.5 |
| 55°    | 1924.7 | 1692.0 | 1565.9 | 1284.8 | 1730.7 |
| 57.5°  | 1745.4 | 1459.3 | 1338.1 | 1153.8 | 1701.7 |
| 60°    | 1580.5 | 1231.5 | 1139.3 | 1013.3 | 1561.1 |
| 62.5°  | 1444.7 | 1061.8 | 1042.4 | 916.3  | 1415.7 |
| 65°    | 1299.3 | 945.4  | 940.6  | 833.9  | 1202.3 |
| 67.5°  | 1158.7 | 867.8  | 862.9  | 756.3  | 916.3  |
| 70°    | 1008.4 | 785.4  | 775.7  | 673.8  | 678.7  |
| 72.5°  | 853.3  | 693.3  | 683.6  | 606.0  | 562.4  |
| 75°    | 698.1  | 586.7  | 581.8  | 528.4  | 455.7  |
| 77.5°  | 547.9  | 465.5  | 475.1  | 426.6  | 334.5  |
| 80°    | 392.7  | 339.4  | 349.1  | 305.4  | 252.1  |
| 82.5°  | 261.8  | 223.0  | 232.7  | 194.0  | 169.7  |
| 85°    | 145.4  | 126.1  | 130.9  | 101.8  | 77.5   |
| 87.5°  | 67.9   | 58.2   | 58.2   | 38.8   | 24.3   |
| 90°    | 26.0   | 16.5   | 15.4   | 10.6   | 5.9    |
| 92.5°  | 160.2  | 113.9  | 103.9  | 63.7   | 23.6   |
| 95°    | 394.2  | 222.0  | 203.7  | 130.2  | 56.7   |
| 97.5°  | 531.1  | 243.9  | 227.7  | 162.8  | 98.0   |
| 100°   | 580.8  | 262.1  | 247.4  | 188.7  | 129.9  |
| 102.5° | 603.7  | 280.5  | 266.7  | 211.9  | 157.1  |
| 105°   | 620.6  | 307.6  | 296.0  | 249.5  | 203.1  |
| 107.5° | 623.8  | 347.8  | 337.0  | 293.7  | 250.4  |
| 110°   | 619.0  | 370.3  | 360.5  | 321.4  | 282.3  |



TEST NUMBER: P934601  
 CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 619.2 | 397.4  | 388.0 | 350.8 | 313.5 |
| 115°   | 625.0 | 438.2  | 429.6 | 395.2 | 360.8 |
| 117.5° | 636.5 | 477.7  | 469.9 | 438.6 | 407.4 |
| 120°   | 646.0 | 500.7  | 493.4 | 464.0 | 434.6 |
| 122.5° | 659.6 | 527.9  | 520.5 | 490.9 | 461.2 |
| 125°   | 678.0 | 562.8  | 556.0 | 529.0 | 501.9 |
| 127.5° | 696.2 | 596.4  | 589.6 | 562.3 | 535.0 |
| 130°   | 709.6 | 618.8  | 611.5 | 582.2 | 552.8 |
| 132.5° | 720.5 | 637.2  | 629.8 | 600.4 | 571.0 |
| 135°   | 732.2 | 658.4  | 651.7 | 625.0 | 598.2 |
| 137.5° | 750.0 | 685.6  | 679.0 | 652.5 | 625.9 |
| 140°   | 760.8 | 703.8  | 697.7 | 673.4 | 648.9 |
| 142.5° | 769.8 | 717.5  | 711.9 | 689.2 | 666.7 |
| 145°   | 781.7 | 738.1  | 733.2 | 713.5 | 693.8 |
| 147.5° | 799.0 | 764.1  | 759.3 | 740.1 | 721.0 |
| 150°   | 808.0 | 777.7  | 773.4 | 756.0 | 738.7 |
| 152.5° | 813.9 | 786.5  | 783.3 | 770.1 | 757.0 |
| 155°   | 826.9 | 806.0  | 803.6 | 793.9 | 784.2 |
| 157.5° | 839.9 | 825.5  | 823.1 | 813.8 | 804.3 |
| 160°   | 845.8 | 834.4  | 832.6 | 825.2 | 817.9 |
| 162.5° | 852.1 | 843.8  | 842.5 | 837.0 | 831.4 |
| 165°   | 861.1 | 857.4  | 856.2 | 851.2 | 846.2 |
| 167.5° | 868.2 | 865.0  | 864.5 | 862.1 | 859.8 |
| 170°   | 874.1 | 873.9  | 873.3 | 871.0 | 868.7 |
| 172.5° | 874.5 | 874.5  | 874.4 | 873.8 | 873.3 |
| 175°   | 878.0 | 879.8  | 879.8 | 879.8 | 879.8 |
| 177.5° | 878.5 | 879.8  | 879.8 | 879.8 | 879.8 |
| 180°   | 879.8 | 879.8  | 879.8 | 879.8 | 879.8 |



TEST NUMBER: P934601  
 CATALOG NUMBER: SQ4-FA-050U-125D-B40-1D-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 | 16.08            | 17.15 | 16.84 | 17.94 | 18.90 | 18.93          | 20.01 | 19.69 | 20.79 | 21.75 |
|                 | 3H   | 16.57            | 17.54 | 17.35 | 18.33 | 19.32 | 20.30          | 21.26 | 21.08 | 22.06 | 23.04 |
|                 | 4H   | 16.77            | 17.68 | 17.57 | 18.49 | 19.48 | 20.76          | 21.67 | 21.55 | 22.47 | 23.47 |
|                 | 6H   | 16.90            | 17.74 | 17.71 | 18.56 | 19.57 | 21.06          | 21.90 | 21.87 | 22.71 | 23.72 |
|                 | 8H   | 16.91            | 17.71 | 17.73 | 18.54 | 19.55 | 21.14          | 21.94 | 21.96 | 22.77 | 23.79 |
|                 | 12H  | 16.89            | 17.65 | 17.71 | 18.48 | 19.51 | 21.19          | 21.95 | 22.02 | 22.78 | 23.82 |
| 4H              | 2H   | 17.14            | 18.05 | 17.94 | 18.86 | 19.85 | 19.36          | 20.28 | 20.16 | 21.08 | 22.08 |
|                 | 3H   | 18.19            | 18.95 | 19.00 | 19.79 | 20.80 | 20.90          | 21.66 | 21.71 | 22.49 | 23.51 |
|                 | 4H   | 18.47            | 19.16 | 19.30 | 20.00 | 21.04 | 21.44          | 22.13 | 22.26 | 22.97 | 24.01 |
|                 | 6H   | 18.61            | 19.21 | 19.45 | 20.07 | 21.12 | 21.82          | 22.42 | 22.66 | 23.28 | 24.32 |
|                 | 8H   | 18.62            | 19.18 | 19.47 | 20.04 | 21.10 | 21.94          | 22.49 | 22.78 | 23.35 | 24.41 |
|                 | 12H  | 18.60            | 19.10 | 19.47 | 19.98 | 21.04 | 22.01          | 22.51 | 22.87 | 23.39 | 24.45 |
| 8H              | 4H   | 18.95            | 19.51 | 19.79 | 20.36 | 21.42 | 21.58          | 22.14 | 22.43 | 22.99 | 24.05 |
|                 | 6H   | 19.22            | 19.68 | 20.09 | 20.58 | 21.64 | 22.03          | 22.49 | 22.90 | 23.39 | 24.45 |
|                 | 8H   | 19.26            | 19.67 | 20.15 | 20.57 | 21.64 | 22.19          | 22.60 | 23.07 | 23.49 | 24.57 |
|                 | 12H  | 19.26            | 19.62 | 20.15 | 20.50 | 21.63 | 22.30          | 22.66 | 23.19 | 23.55 | 24.68 |
| 12H             | 4H   | 18.97            | 19.47 | 19.83 | 20.35 | 21.41 | 21.55          | 22.06 | 22.42 | 22.93 | 24.00 |
|                 | 6H   | 19.28            | 19.69 | 20.17 | 20.59 | 21.66 | 22.03          | 22.44 | 22.91 | 23.33 | 24.41 |
|                 | 8H   | 19.36            | 19.72 | 20.25 | 20.61 | 21.73 | 22.20          | 22.56 | 23.09 | 23.45 | 24.58 |