

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: P934430

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934430
REPORT IS A COMBINATION OF REPORTS P933697 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

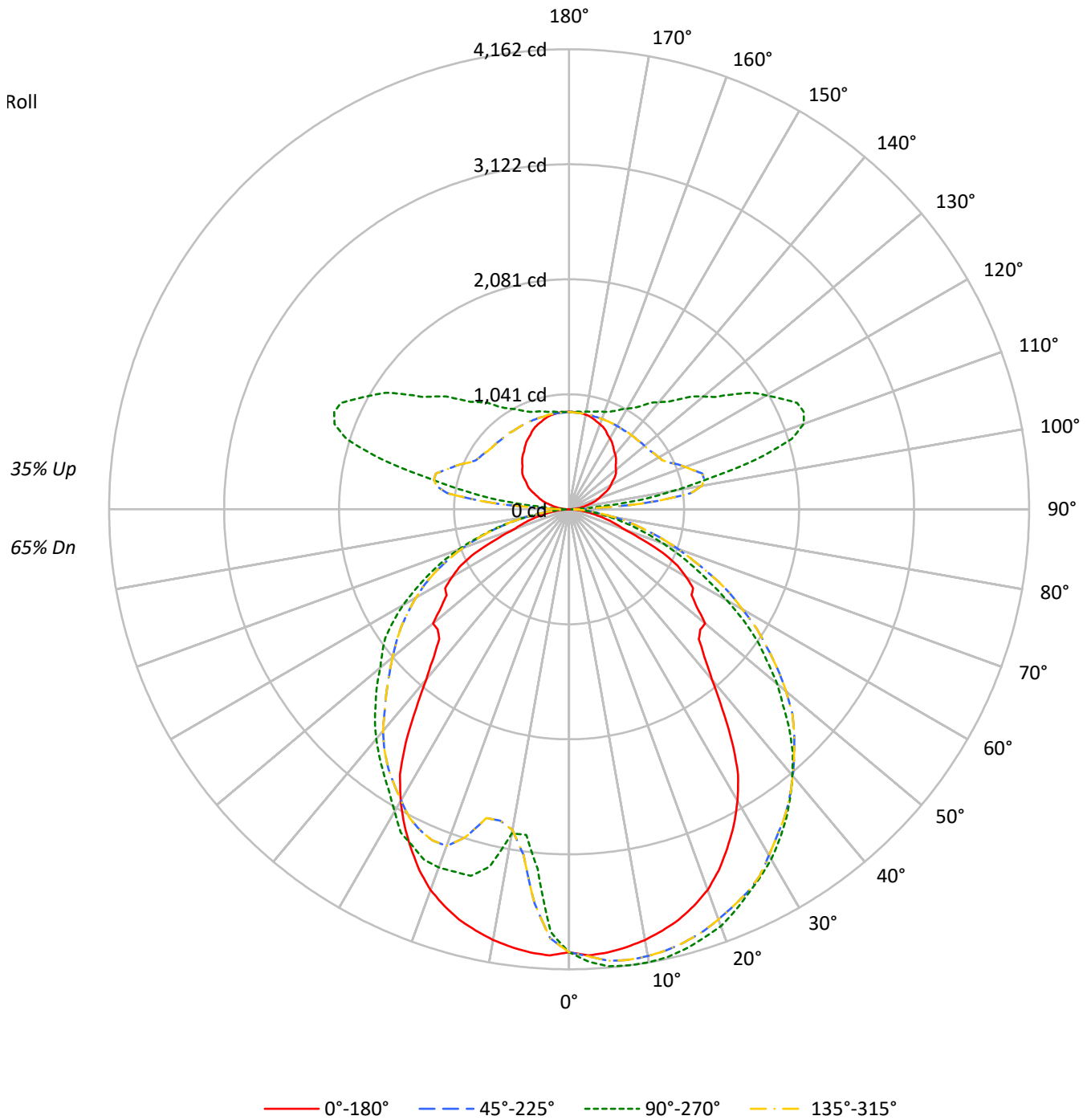
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16101.3 lumens
Efficiency: N/A
Efficacy: 118.7 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): 135.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934430
CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

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 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 65 | 65 | 65 | 65 |
| 1 | 101 | 97 | 93 | 89 | 95 | 91 | 88 | 84 | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 60 | 59 | 55 | 55 | 55 | 55 |
| 2 | 92 | 85 | 78 | 73 | 86 | 80 | 74 | 69 | 70 | 66 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 46 | 46 | 46 | 46 |
| 3 | 84 | 74 | 67 | 61 | 79 | 70 | 63 | 58 | 62 | 57 | 53 | 55 | 51 | 47 | 48 | 45 | 42 | 39 | 39 | 39 | 39 |
| 4 | 77 | 66 | 58 | 52 | 72 | 62 | 55 | 49 | 55 | 49 | 45 | 49 | 44 | 41 | 43 | 39 | 36 | 33 | 33 | 33 | 33 |
| 5 | 71 | 59 | 50 | 44 | 66 | 56 | 48 | 42 | 49 | 43 | 39 | 44 | 39 | 35 | 39 | 35 | 32 | 29 | 29 | 29 | 29 |
| 6 | 65 | 53 | 44 | 38 | 61 | 50 | 42 | 37 | 45 | 38 | 34 | 40 | 35 | 31 | 35 | 31 | 28 | 25 | 25 | 25 | 25 |
| 7 | 60 | 48 | 39 | 34 | 56 | 45 | 38 | 32 | 40 | 34 | 30 | 36 | 31 | 27 | 32 | 28 | 25 | 22 | 22 | 22 | 22 |
| 8 | 56 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 37 | 31 | 27 | 33 | 28 | 24 | 29 | 25 | 22 | 20 | 20 | 20 | 20 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 34 | 28 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 18 | 18 | 18 | 18 |
| 10 | 49 | 36 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 21 | 28 | 23 | 20 | 25 | 21 | 18 | 16 | 16 | 16 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 12391 | 12391 | 12391 | 12391 |
| 5° | 12488 | 12509 | 12488 | 9835 |
| 10° | 12409 | 12321 | 12409 | 8809 |
| 15° | 12279 | 12054 | 12279 | 10066 |
| 20° | 12027 | 11738 | 12027 | 10087 |
| 25° | 11506 | 11277 | 11506 | 9873 |
| 30° | 10831 | 10894 | 10831 | 9404 |
| 35° | 9661 | 10409 | 9661 | 8888 |
| 40° | 8055 | 9840 | 8055 | 8498 |
| 45° | 7201 | 9172 | 7201 | 8050 |
| 50° | 7657 | 8376 | 7657 | 7601 |
| 55° | 7210 | 7518 | 7210 | 7340 |
| 60° | 7442 | 6385 | 7442 | 6723 |
| 65° | 6758 | 5278 | 6758 | 5901 |
| 70° | 4691 | 4206 | 4691 | 4946 |
| 75° | 4130 | 3109 | 4130 | 3724 |
| 80° | 3352 | 2056 | 3352 | 2238 |
| 85° | 1964 | 1089 | 1964 | 926 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11030 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 361.6 | 2.2 |
| 10°-20° | 1026.7 | 6.4 |
| 20°-30° | 1587.2 | 9.9 |
| 30°-40° | 1894.7 | 11.8 |
| 40°-50° | 1905.8 | 11.8 |
| 50°-60° | 1658.3 | 10.3 |
| 60°-70° | 1175.8 | 7.3 |
| 70°-80° | 622.0 | 3.9 |
| 80°-90° | 158.3 | 1.0 |
| 90°-100° | 429.4 | 2.7 |
| 100°-110° | 1129.0 | 7.0 |
| 110°-120° | 1170.6 | 7.3 |
| 120°-130° | 939.0 | 5.8 |
| 130°-140° | 736.8 | 4.6 |
| 140°-150° | 565.5 | 3.5 |
| 150°-160° | 407.3 | 2.5 |
| 160°-170° | 249.2 | 1.5 |
| 170°-180° | 84.2 | 0.5 |
| 0°-30° | 2975.5 | 18.5 |
| 0°-40° | 4870.3 | 30.2 |
| 0°-60° | 8434.4 | 52.4 |
| 0°-90° | 10390.5 | 64.5 |
| 90°-120° | 2729.0 | 16.9 |
| 90°-150° | 4970.2 | 30.9 |
| 90°-180° | 5711.0 | 35.5 |
| 0°-180° | 16101.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 4006 | 4006 | 4006 | 4006 | 4006 | |
| 5° | 4025 | 4150 | 4025 | 3263 | 4025 | 382 |
| 15° | 3843 | 4112 | 3843 | 3434 | 3843 | 1081 |
| 25° | 3384 | 3836 | 3384 | 3358 | 3384 | 1554 |
| 35° | 2574 | 3422 | 2574 | 2922 | 2574 | 1592 |
| 45° | 1660 | 2820 | 1660 | 2475 | 1660 | 1330 |
| 55° | 1353 | 2081 | 1353 | 2031 | 1353 | 1243 |
| 65° | 940 | 1254 | 940 | 1402 | 940 | 898 |
| 75° | 356 | 595 | 356 | 713 | 356 | 375 |
| 85° | 61 | 152 | 61 | 129 | 61 | 82 |
| 90° | 6 | 22 | 6 | 22 | 6 | 7 |
| 95° | 57 | 260 | 57 | 260 | 57 | 63 |
| 105° | 203 | 1768 | 203 | 1768 | 203 | 216 |
| 115° | 361 | 2276 | 361 | 2276 | 361 | 357 |
| 125° | 503 | 1813 | 503 | 1813 | 503 | 446 |
| 135° | 599 | 1407 | 599 | 1407 | 599 | 463 |
| 145° | 695 | 1141 | 695 | 1141 | 695 | 435 |
| 155° | 785 | 983 | 785 | 983 | 785 | 361 |
| 165° | 847 | 915 | 847 | 915 | 847 | 239 |
| 175° | 881 | 887 | 881 | 887 | 881 | 84 |
| 180° | 881 | 881 | 881 | 881 | 881 | |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 |
| 2.5° | 4040.2 | 4040.2 | 4063.0 | 4070.5 | 4070.5 | 4059.1 | 4047.8 | 4059.1 | 4093.3 | 4104.6 | 4100.8 |
| 5° | 4025.1 | 4055.4 | 4097.1 | 4104.6 | 4112.2 | 4108.5 | 4100.8 | 4108.5 | 4146.3 | 4153.9 | 4157.7 |
| 7.5° | 3994.7 | 4051.6 | 4104.6 | 4116.0 | 4127.4 | 4116.0 | 4112.2 | 4119.9 | 4157.7 | 4165.3 | 4165.3 |
| 10° | 3956.8 | 4036.5 | 4097.1 | 4104.6 | 4116.0 | 4104.6 | 4104.6 | 4119.9 | 4157.7 | 4165.3 | 4169.1 |
| 12.5° | 3903.8 | 4013.7 | 4070.5 | 4078.2 | 4093.3 | 4089.4 | 4085.7 | 4100.8 | 4138.8 | 4146.3 | 4146.3 |
| 15° | 3843.1 | 3972.0 | 4025.1 | 4032.6 | 4059.1 | 4051.6 | 4051.6 | 4066.8 | 4108.5 | 4119.9 | 4116.0 |
| 17.5° | 3759.8 | 3919.0 | 3979.6 | 3991.0 | 4009.9 | 4006.1 | 4009.9 | 4025.1 | 4063.0 | 4070.5 | 4074.3 |
| 20° | 3665.0 | 3847.0 | 3919.0 | 3930.3 | 3949.3 | 3949.3 | 3949.3 | 3968.2 | 4006.1 | 4021.3 | 4021.3 |
| 22.5° | 3536.1 | 3771.1 | 3847.0 | 3854.5 | 3877.3 | 3877.3 | 3884.8 | 3911.3 | 3945.4 | 3949.3 | 3949.3 |
| 25° | 3384.5 | 3687.7 | 3752.2 | 3775.0 | 3797.6 | 3809.0 | 3820.4 | 3835.6 | 3847.0 | 3843.1 | 3847.0 |
| 27.5° | 3225.3 | 3581.6 | 3665.0 | 3680.2 | 3710.5 | 3721.9 | 3737.0 | 3740.8 | 3744.5 | 3755.9 | 3748.4 |
| 30° | 3047.2 | 3433.8 | 3558.9 | 3574.1 | 3623.3 | 3630.9 | 3615.7 | 3623.3 | 3642.2 | 3649.9 | 3657.4 |
| 32.5° | 2846.3 | 3214.0 | 3449.0 | 3483.0 | 3528.5 | 3505.8 | 3502.1 | 3513.4 | 3543.7 | 3543.7 | 3551.3 |
| 35° | 2573.5 | 3043.5 | 3346.7 | 3377.0 | 3411.0 | 3384.5 | 3399.6 | 3403.5 | 3422.4 | 3433.8 | 3430.1 |
| 37.5° | 2274.0 | 2895.6 | 3240.5 | 3263.3 | 3289.8 | 3255.6 | 3278.4 | 3289.8 | 3305.0 | 3297.3 | 3297.3 |
| 40° | 2008.8 | 2664.4 | 3115.5 | 3130.6 | 3153.3 | 3126.8 | 3149.5 | 3157.2 | 3164.7 | 3157.2 | 3153.3 |
| 42.5° | 1811.7 | 2410.5 | 2982.7 | 3001.8 | 2986.6 | 3005.5 | 3013.1 | 3028.3 | 3016.9 | 3001.8 | 3001.8 |
| 45° | 1660.0 | 2342.3 | 2838.7 | 2861.5 | 2838.7 | 2869.1 | 2880.4 | 2880.4 | 2846.3 | 2838.7 | 2835.0 |
| 47.5° | 1610.8 | 2205.8 | 2694.7 | 2694.7 | 2683.4 | 2721.2 | 2740.3 | 2713.7 | 2679.5 | 2668.3 | 2668.3 |
| 50° | 1607.0 | 2054.2 | 2497.7 | 2482.5 | 2535.5 | 2581.1 | 2562.1 | 2535.5 | 2509.1 | 2467.4 | 2467.4 |
| 52.5° | 1459.2 | 1868.5 | 2243.7 | 2300.6 | 2384.0 | 2410.5 | 2380.2 | 2353.7 | 2308.2 | 2289.2 | 2274.0 |
| 55° | 1353.0 | 1675.3 | 2012.5 | 2126.2 | 2213.4 | 2247.5 | 2190.6 | 2164.2 | 2095.9 | 2084.5 | 2076.9 |
| 57.5° | 1330.4 | 1394.7 | 1800.3 | 1944.3 | 2050.5 | 2046.6 | 2012.5 | 1963.3 | 1906.4 | 1895.1 | 1891.3 |
| 60° | 1220.4 | 1008.1 | 1572.8 | 1743.4 | 1853.4 | 1842.0 | 1811.7 | 1766.2 | 1713.1 | 1705.6 | 1697.9 |
| 62.5° | 1106.7 | 731.5 | 1315.1 | 1508.5 | 1663.9 | 1660.0 | 1633.6 | 1565.3 | 1527.4 | 1508.5 | 1493.3 |
| 65° | 939.9 | 614.0 | 936.1 | 1254.5 | 1478.1 | 1485.7 | 1428.8 | 1379.6 | 1337.9 | 1315.1 | 1311.3 |
| 67.5° | 716.3 | 500.3 | 632.9 | 1046.1 | 1300.0 | 1292.4 | 1220.4 | 1197.6 | 1144.6 | 1133.2 | 1110.5 |
| 70° | 530.6 | 333.5 | 439.7 | 849.0 | 1125.6 | 1106.7 | 1049.8 | 1023.3 | 974.1 | 947.5 | 932.4 |
| 72.5° | 439.7 | 269.1 | 322.1 | 659.5 | 947.5 | 924.7 | 875.5 | 845.2 | 803.5 | 780.7 | 765.6 |
| 75° | 356.3 | 284.3 | 246.3 | 488.9 | 769.4 | 754.2 | 708.7 | 678.4 | 644.3 | 614.0 | 617.8 |
| 77.5° | 261.5 | 265.3 | 197.1 | 360.1 | 610.2 | 587.5 | 560.9 | 523.0 | 507.8 | 477.5 | 477.5 |
| 80° | 197.1 | 208.5 | 147.8 | 246.3 | 439.7 | 439.7 | 416.9 | 390.4 | 363.8 | 348.7 | 348.7 |
| 82.5° | 132.6 | 132.6 | 109.9 | 155.4 | 299.4 | 288.0 | 272.9 | 265.3 | 250.1 | 242.6 | 242.6 |
| 85° | 60.6 | 75.8 | 68.2 | 94.8 | 162.9 | 170.6 | 170.6 | 162.9 | 159.2 | 151.6 | 155.4 |
| 87.5° | 18.9 | 34.1 | 41.7 | 53.1 | 83.4 | 87.2 | 90.9 | 90.9 | 90.9 | 94.8 | 94.8 |
| 90° | 5.9 | 10.6 | 15.4 | 16.5 | 26.0 | 38.6 | 44.9 | 40.0 | 29.9 | 22.5 | 22.5 |
| 92.5° | 23.6 | 63.8 | 104.0 | 114.1 | 160.4 | 222.1 | 253.0 | 221.7 | 159.2 | 112.4 | 107.9 |
| 95° | 56.8 | 130.3 | 204.0 | 222.3 | 394.7 | 624.7 | 739.6 | 660.0 | 500.8 | 381.3 | 367.8 |
| 97.5° | 98.1 | 163.0 | 228.0 | 244.2 | 531.7 | 915.1 | 1106.8 | 1056.5 | 955.8 | 880.4 | 854.6 |
| 100° | 130.0 | 188.9 | 247.7 | 262.5 | 581.6 | 1007.0 | 1219.7 | 1223.4 | 1230.7 | 1236.3 | 1205.6 |
| 102.5° | 157.3 | 212.2 | 267.1 | 280.8 | 604.4 | 1035.9 | 1251.7 | 1315.7 | 1443.9 | 1540.1 | 1513.8 |
| 105° | 203.4 | 249.9 | 296.3 | 308.0 | 621.3 | 1039.2 | 1248.1 | 1391.8 | 1679.3 | 1894.9 | 1880.7 |
| 107.5° | 250.7 | 294.0 | 337.4 | 348.2 | 624.6 | 993.0 | 1177.2 | 1377.7 | 1778.7 | 2079.4 | 2082.9 |
| 110° | 282.7 | 321.8 | 361.0 | 370.7 | 619.8 | 952.0 | 1118.1 | 1342.2 | 1790.5 | 2126.7 | 2141.4 |



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 CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 313.9 | 351.2 | 388.5 | 397.9 | 620.0 | 916.1 | 1064.2 | 1293.6 | 1752.4 | 2096.5 | 2119.1 |
| 115° | 361.2 | 395.7 | 430.1 | 438.7 | 625.7 | 875.1 | 999.8 | 1220.8 | 1662.7 | 1994.2 | 2025.6 |
| 117.5° | 407.9 | 439.2 | 470.4 | 478.3 | 637.3 | 849.4 | 955.4 | 1154.9 | 1553.7 | 1852.9 | 1887.6 |
| 120° | 435.2 | 464.6 | 494.0 | 501.3 | 646.8 | 840.8 | 937.7 | 1120.0 | 1484.4 | 1757.8 | 1791.5 |
| 122.5° | 461.7 | 491.5 | 521.1 | 528.6 | 660.4 | 836.2 | 924.1 | 1088.1 | 1416.4 | 1662.5 | 1695.8 |
| 125° | 502.6 | 529.6 | 556.7 | 563.5 | 678.8 | 832.5 | 909.3 | 1048.8 | 1327.5 | 1536.6 | 1567.3 |
| 127.5° | 535.7 | 563.0 | 590.4 | 597.1 | 697.1 | 830.3 | 896.9 | 1016.6 | 1256.0 | 1435.5 | 1461.4 |
| 130° | 553.4 | 582.9 | 612.3 | 619.6 | 710.5 | 831.6 | 892.2 | 998.7 | 1211.9 | 1371.7 | 1395.6 |
| 132.5° | 571.7 | 601.2 | 630.6 | 638.0 | 721.4 | 832.5 | 888.0 | 983.4 | 1174.2 | 1317.3 | 1338.7 |
| 135° | 599.0 | 625.7 | 652.5 | 659.2 | 733.1 | 831.7 | 880.9 | 960.9 | 1120.7 | 1240.5 | 1258.9 |
| 137.5° | 626.7 | 653.3 | 679.9 | 686.5 | 750.9 | 836.9 | 879.8 | 947.3 | 1082.4 | 1183.7 | 1198.8 |
| 140° | 649.7 | 674.2 | 698.6 | 704.7 | 761.7 | 837.6 | 875.6 | 933.9 | 1050.7 | 1138.2 | 1152.3 |
| 142.5° | 667.5 | 690.1 | 712.7 | 718.4 | 770.8 | 840.7 | 875.6 | 926.8 | 1029.3 | 1106.2 | 1118.4 |
| 145° | 694.7 | 714.4 | 734.1 | 739.0 | 782.6 | 840.7 | 869.8 | 911.6 | 995.5 | 1058.3 | 1067.5 |
| 147.5° | 721.9 | 741.0 | 760.3 | 765.1 | 800.0 | 846.5 | 869.8 | 902.7 | 968.7 | 1018.2 | 1025.8 |
| 150° | 739.6 | 756.9 | 774.3 | 778.6 | 809.0 | 849.5 | 869.8 | 897.6 | 953.2 | 995.0 | 1001.2 |
| 152.5° | 758.0 | 771.1 | 784.3 | 787.5 | 815.0 | 851.5 | 869.8 | 893.6 | 941.1 | 976.8 | 981.4 |
| 155° | 785.1 | 794.9 | 804.6 | 807.0 | 828.0 | 855.8 | 869.8 | 888.7 | 926.5 | 954.9 | 957.9 |
| 157.5° | 805.3 | 814.8 | 824.1 | 826.5 | 841.0 | 860.2 | 869.8 | 884.5 | 913.8 | 935.9 | 938.1 |
| 160° | 818.9 | 826.2 | 833.6 | 835.4 | 846.9 | 862.1 | 869.8 | 882.4 | 907.5 | 926.5 | 927.7 |
| 162.5° | 832.5 | 838.0 | 843.6 | 844.9 | 853.2 | 864.2 | 869.8 | 880.4 | 901.6 | 917.6 | 918.7 |
| 165° | 847.3 | 852.3 | 857.2 | 858.5 | 862.2 | 867.3 | 869.8 | 877.4 | 892.6 | 904.0 | 905.2 |
| 167.5° | 860.9 | 863.2 | 865.5 | 866.1 | 869.3 | 873.5 | 875.6 | 880.6 | 890.6 | 898.1 | 898.6 |
| 170° | 869.8 | 872.0 | 874.4 | 875.0 | 875.2 | 875.5 | 875.6 | 880.6 | 890.6 | 898.1 | 898.1 |
| 172.5° | 874.4 | 874.9 | 875.5 | 875.6 | 875.6 | 875.6 | 875.6 | 879.5 | 887.4 | 893.4 | 892.9 |
| 175° | 880.9 | 880.9 | 880.9 | 880.9 | 879.1 | 876.7 | 875.6 | 878.1 | 883.1 | 886.9 | 886.9 |
| 177.5° | 880.9 | 880.9 | 880.9 | 880.9 | 879.6 | 877.8 | 876.8 | 878.8 | 882.8 | 885.7 | 885.1 |
| 180° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 |
| 2.5° | 4108.5 | 4097.1 | 4108.5 | 4100.8 | 4104.6 | 4093.3 | 4059.1 | 4047.8 | 4059.1 | 4070.5 | 4070.5 |
| 5° | 4157.7 | 4150.2 | 4157.7 | 4157.7 | 4153.9 | 4146.3 | 4108.5 | 4100.8 | 4108.5 | 4112.2 | 4104.6 |
| 7.5° | 4172.8 | 4161.5 | 4172.8 | 4165.3 | 4165.3 | 4157.7 | 4119.9 | 4112.2 | 4116.0 | 4127.4 | 4116.0 |
| 10° | 4172.8 | 4161.5 | 4172.8 | 4169.1 | 4165.3 | 4157.7 | 4119.9 | 4104.6 | 4104.6 | 4116.0 | 4104.6 |
| 12.5° | 4153.9 | 4146.3 | 4153.9 | 4146.3 | 4146.3 | 4138.8 | 4100.8 | 4085.7 | 4089.4 | 4093.3 | 4078.2 |
| 15° | 4123.6 | 4112.2 | 4123.6 | 4116.0 | 4119.9 | 4108.5 | 4066.8 | 4051.6 | 4051.6 | 4059.1 | 4032.6 |
| 17.5° | 4078.2 | 4063.0 | 4078.2 | 4074.3 | 4070.5 | 4063.0 | 4025.1 | 4009.9 | 4006.1 | 4009.9 | 3991.0 |
| 20° | 4025.1 | 4013.7 | 4025.1 | 4021.3 | 4021.3 | 4006.1 | 3968.2 | 3949.3 | 3949.3 | 3949.3 | 3930.3 |
| 22.5° | 3941.7 | 3930.3 | 3941.7 | 3949.3 | 3949.3 | 3945.4 | 3911.3 | 3884.8 | 3877.3 | 3877.3 | 3854.5 |
| 25° | 3847.0 | 3835.6 | 3847.0 | 3847.0 | 3843.1 | 3847.0 | 3835.6 | 3820.4 | 3809.0 | 3797.6 | 3775.0 |
| 27.5° | 3755.9 | 3748.4 | 3755.9 | 3748.4 | 3755.9 | 3744.5 | 3740.8 | 3737.0 | 3721.9 | 3710.5 | 3680.2 |
| 30° | 3665.0 | 3657.4 | 3665.0 | 3657.4 | 3649.9 | 3642.2 | 3623.3 | 3615.7 | 3630.9 | 3623.3 | 3574.1 |
| 32.5° | 3551.3 | 3543.7 | 3551.3 | 3551.3 | 3543.7 | 3543.7 | 3513.4 | 3502.1 | 3505.8 | 3528.5 | 3483.0 |
| 35° | 3433.8 | 3422.4 | 3433.8 | 3430.1 | 3433.8 | 3422.4 | 3403.5 | 3399.6 | 3384.5 | 3411.0 | 3377.0 |
| 37.5° | 3297.3 | 3286.0 | 3297.3 | 3297.3 | 3297.3 | 3305.0 | 3289.8 | 3278.4 | 3255.6 | 3289.8 | 3263.3 |
| 40° | 3157.2 | 3142.0 | 3157.2 | 3153.3 | 3157.2 | 3164.7 | 3157.2 | 3149.5 | 3126.8 | 3153.3 | 3130.6 |
| 42.5° | 2998.0 | 2994.1 | 2998.0 | 3001.8 | 3001.8 | 3016.9 | 3028.3 | 3013.1 | 3005.5 | 2986.6 | 3001.8 |
| 45° | 2827.4 | 2819.8 | 2827.4 | 2835.0 | 2838.7 | 2846.3 | 2880.4 | 2880.4 | 2869.1 | 2838.7 | 2861.5 |
| 47.5° | 2645.5 | 2626.6 | 2645.5 | 2668.3 | 2668.3 | 2679.5 | 2713.7 | 2740.3 | 2721.2 | 2683.4 | 2694.7 |
| 50° | 2452.2 | 2456.0 | 2452.2 | 2467.4 | 2467.4 | 2509.1 | 2535.5 | 2562.1 | 2581.1 | 2535.5 | 2482.5 |
| 52.5° | 2262.6 | 2258.9 | 2262.6 | 2274.0 | 2289.2 | 2308.2 | 2353.7 | 2380.2 | 2410.5 | 2384.0 | 2300.6 |
| 55° | 2073.1 | 2080.8 | 2073.1 | 2076.9 | 2084.5 | 2095.9 | 2164.2 | 2190.6 | 2247.5 | 2213.4 | 2126.2 |
| 57.5° | 1883.7 | 1872.3 | 1883.7 | 1891.3 | 1895.1 | 1906.4 | 1963.3 | 2012.5 | 2046.6 | 2050.5 | 1944.3 |
| 60° | 1663.9 | 1648.7 | 1663.9 | 1697.9 | 1705.6 | 1713.1 | 1766.2 | 1811.7 | 1842.0 | 1853.4 | 1743.4 |
| 62.5° | 1470.5 | 1444.0 | 1470.5 | 1493.3 | 1508.5 | 1527.4 | 1565.3 | 1633.6 | 1660.0 | 1663.9 | 1508.5 |
| 65° | 1265.9 | 1254.5 | 1265.9 | 1311.3 | 1315.1 | 1337.9 | 1379.6 | 1428.8 | 1485.7 | 1478.1 | 1254.5 |
| 67.5° | 1080.2 | 1080.2 | 1080.2 | 1110.5 | 1133.2 | 1144.6 | 1197.6 | 1220.4 | 1292.4 | 1300.0 | 1046.1 |
| 70° | 909.6 | 905.8 | 909.6 | 932.4 | 947.5 | 974.1 | 1023.3 | 1049.8 | 1106.7 | 1125.6 | 849.0 |
| 72.5° | 746.7 | 742.9 | 746.7 | 765.6 | 780.7 | 803.5 | 845.2 | 875.5 | 924.7 | 947.5 | 659.5 |
| 75° | 602.6 | 595.0 | 602.6 | 617.8 | 614.0 | 644.3 | 678.4 | 708.7 | 754.2 | 769.4 | 488.9 |
| 77.5° | 462.4 | 462.4 | 462.4 | 477.5 | 477.5 | 507.8 | 523.0 | 560.9 | 587.5 | 610.2 | 360.1 |
| 80° | 344.9 | 341.1 | 344.9 | 348.7 | 348.7 | 363.8 | 390.4 | 416.9 | 439.7 | 439.7 | 246.3 |
| 82.5° | 242.6 | 234.9 | 242.6 | 242.6 | 242.6 | 250.1 | 265.3 | 272.9 | 288.0 | 299.4 | 155.4 |
| 85° | 151.6 | 151.6 | 151.6 | 155.4 | 151.6 | 159.2 | 162.9 | 170.6 | 170.6 | 162.9 | 94.8 |
| 87.5° | 98.6 | 94.8 | 98.6 | 94.8 | 94.8 | 90.9 | 90.9 | 90.9 | 87.2 | 83.4 | 53.1 |
| 90° | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 29.9 | 40.0 | 44.9 | 38.6 | 26.0 | 16.5 |
| 92.5° | 90.0 | 72.1 | 90.0 | 107.9 | 112.4 | 159.2 | 221.7 | 253.0 | 222.1 | 160.4 | 114.1 |
| 95° | 313.6 | 259.5 | 313.6 | 367.8 | 381.3 | 500.8 | 660.0 | 739.6 | 624.7 | 394.7 | 222.3 |
| 97.5° | 751.6 | 648.6 | 751.6 | 854.6 | 880.4 | 955.8 | 1056.5 | 1106.8 | 915.1 | 531.7 | 244.2 |
| 100° | 1082.9 | 960.2 | 1082.9 | 1205.6 | 1236.3 | 1230.7 | 1223.4 | 1219.7 | 1007.0 | 581.6 | 262.5 |
| 102.5° | 1408.8 | 1303.7 | 1408.8 | 1513.8 | 1540.1 | 1443.9 | 1315.7 | 1251.7 | 1035.9 | 604.4 | 280.8 |
| 105° | 1824.3 | 1767.8 | 1824.3 | 1880.7 | 1894.9 | 1679.3 | 1391.8 | 1248.1 | 1039.2 | 621.3 | 308.0 |
| 107.5° | 2096.5 | 2110.1 | 2096.5 | 2082.9 | 2079.4 | 1778.7 | 1377.7 | 1177.2 | 993.0 | 624.6 | 348.2 |
| 110° | 2200.2 | 2259.1 | 2200.2 | 2141.4 | 2126.7 | 1790.5 | 1342.2 | 1118.1 | 952.0 | 619.8 | 370.7 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2209.6 | 2299.9 | 2209.6 | 2119.1 | 2096.5 | 1752.4 | 1293.6 | 1064.2 | 916.1 | 620.0 | 397.9 |
| 115° | 2151.0 | 2276.3 | 2151.0 | 2025.6 | 1994.2 | 1662.7 | 1220.8 | 999.8 | 875.1 | 625.7 | 438.7 |
| 117.5° | 2026.7 | 2165.7 | 2026.7 | 1887.6 | 1852.9 | 1553.7 | 1154.9 | 955.4 | 849.4 | 637.3 | 478.3 |
| 120° | 1926.6 | 2061.6 | 1926.6 | 1791.5 | 1757.8 | 1484.4 | 1120.0 | 937.7 | 840.8 | 646.8 | 501.3 |
| 122.5° | 1829.1 | 1962.3 | 1829.1 | 1695.8 | 1662.5 | 1416.4 | 1088.1 | 924.1 | 836.2 | 660.4 | 528.6 |
| 125° | 1690.0 | 1812.8 | 1690.0 | 1567.3 | 1536.6 | 1327.5 | 1048.8 | 909.3 | 832.5 | 678.8 | 563.5 |
| 127.5° | 1564.9 | 1668.5 | 1564.9 | 1461.4 | 1435.5 | 1256.0 | 1016.6 | 896.9 | 830.3 | 697.1 | 597.1 |
| 130° | 1491.3 | 1586.9 | 1491.3 | 1395.6 | 1371.7 | 1211.9 | 998.7 | 892.2 | 831.6 | 710.5 | 619.6 |
| 132.5° | 1424.3 | 1510.0 | 1424.3 | 1338.7 | 1317.3 | 1174.2 | 983.4 | 888.0 | 832.5 | 721.4 | 638.0 |
| 135° | 1332.7 | 1406.6 | 1332.7 | 1258.9 | 1240.5 | 1120.7 | 960.9 | 880.9 | 831.7 | 733.1 | 659.2 |
| 137.5° | 1259.2 | 1319.6 | 1259.2 | 1198.8 | 1183.7 | 1082.4 | 947.3 | 879.8 | 836.9 | 750.9 | 686.5 |
| 140° | 1208.7 | 1265.2 | 1208.7 | 1152.3 | 1138.2 | 1050.7 | 933.9 | 875.6 | 837.6 | 761.7 | 704.7 |
| 142.5° | 1167.0 | 1215.6 | 1167.0 | 1118.4 | 1106.2 | 1029.3 | 926.8 | 875.6 | 840.7 | 770.8 | 718.4 |
| 145° | 1104.3 | 1141.1 | 1104.3 | 1067.5 | 1058.3 | 995.5 | 911.6 | 869.8 | 840.7 | 782.6 | 739.0 |
| 147.5° | 1056.2 | 1086.7 | 1056.2 | 1025.8 | 1018.2 | 968.7 | 902.7 | 869.8 | 846.5 | 800.0 | 765.1 |
| 150° | 1025.9 | 1050.7 | 1025.9 | 1001.2 | 995.0 | 953.2 | 897.6 | 869.8 | 849.5 | 809.0 | 778.6 |
| 152.5° | 1000.1 | 1018.7 | 1000.1 | 981.4 | 976.8 | 941.1 | 893.6 | 869.8 | 851.5 | 815.0 | 787.5 |
| 155° | 970.3 | 982.7 | 970.3 | 957.9 | 954.9 | 926.5 | 888.7 | 869.8 | 855.8 | 828.0 | 807.0 |
| 157.5° | 946.7 | 955.4 | 946.7 | 938.1 | 935.9 | 913.8 | 884.5 | 869.8 | 860.2 | 841.0 | 826.5 |
| 160° | 932.8 | 937.7 | 932.8 | 927.7 | 926.5 | 907.5 | 882.4 | 869.8 | 862.1 | 846.9 | 835.4 |
| 162.5° | 923.5 | 928.3 | 923.5 | 918.7 | 917.6 | 901.6 | 880.4 | 869.8 | 864.2 | 853.2 | 844.9 |
| 165° | 910.3 | 915.3 | 910.3 | 905.2 | 904.0 | 892.6 | 877.4 | 869.8 | 867.3 | 862.2 | 858.5 |
| 167.5° | 900.7 | 902.8 | 900.7 | 898.6 | 898.1 | 890.6 | 880.6 | 875.6 | 873.5 | 869.3 | 866.1 |
| 170° | 898.1 | 898.1 | 898.1 | 898.1 | 898.1 | 890.6 | 880.6 | 875.6 | 875.5 | 875.2 | 875.0 |
| 172.5° | 891.1 | 889.3 | 891.1 | 892.9 | 893.4 | 887.4 | 879.5 | 875.6 | 875.6 | 875.6 | 875.6 |
| 175° | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 883.1 | 878.1 | 875.6 | 876.7 | 879.1 | 880.9 |
| 177.5° | 883.0 | 880.9 | 883.0 | 885.1 | 885.7 | 882.8 | 878.8 | 876.8 | 877.8 | 879.6 | 880.9 |
| 180° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 |



TEST NUMBER: P934430
 CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 |
| 2.5° | 4063.0 | 4040.2 | 4040.2 | 4002.3 | 3987.1 | 3975.8 | 3956.8 | 3900.0 | 3884.8 | 3869.6 | 3892.4 |
| 5° | 4097.1 | 4055.4 | 4025.1 | 3956.8 | 3900.0 | 3877.3 | 3805.3 | 3668.8 | 3577.8 | 3509.6 | 3471.7 |
| 7.5° | 4104.6 | 4051.6 | 3994.7 | 3888.6 | 3752.2 | 3691.6 | 3471.7 | 3221.6 | 3153.3 | 3092.7 | 3054.7 |
| 10° | 4097.1 | 4036.5 | 3956.8 | 3797.6 | 3475.5 | 3369.3 | 3149.5 | 2986.6 | 2944.9 | 2933.5 | 2944.9 |
| 12.5° | 4070.5 | 4013.7 | 3903.8 | 3638.5 | 3187.5 | 3115.5 | 2986.6 | 2891.8 | 2884.3 | 2903.2 | 3005.5 |
| 15° | 4025.1 | 3972.0 | 3843.1 | 3426.2 | 3028.3 | 2975.2 | 2884.3 | 2850.1 | 2891.8 | 3024.4 | 3331.5 |
| 17.5° | 3979.6 | 3919.0 | 3759.8 | 3217.8 | 2907.0 | 2869.1 | 2804.6 | 2872.9 | 3107.8 | 3286.0 | 3388.4 |
| 20° | 3919.0 | 3847.0 | 3665.0 | 3066.1 | 2819.8 | 2785.7 | 2755.4 | 3062.4 | 3240.5 | 3305.0 | 3361.8 |
| 22.5° | 3847.0 | 3771.1 | 3536.1 | 2960.1 | 2728.9 | 2702.3 | 2721.2 | 3168.5 | 3240.5 | 3286.0 | 3335.3 |
| 25° | 3752.2 | 3687.7 | 3384.5 | 2876.7 | 2656.9 | 2626.6 | 2698.6 | 3157.2 | 3198.8 | 3210.2 | 3308.7 |
| 27.5° | 3665.0 | 3581.6 | 3225.3 | 2800.9 | 2569.7 | 2558.3 | 2717.5 | 3107.8 | 3138.2 | 3149.5 | 3255.6 |
| 30° | 3558.9 | 3433.8 | 3047.2 | 2721.2 | 2478.7 | 2474.9 | 2721.2 | 3047.2 | 3039.6 | 3070.0 | 3176.1 |
| 32.5° | 3449.0 | 3214.0 | 2846.3 | 2622.7 | 2391.5 | 2387.7 | 2694.7 | 2956.3 | 2948.7 | 2990.4 | 3070.0 |
| 35° | 3346.7 | 3043.5 | 2573.5 | 2509.1 | 2281.7 | 2285.4 | 2630.3 | 2850.1 | 2853.9 | 2891.8 | 2941.1 |
| 37.5° | 3240.5 | 2895.6 | 2274.0 | 2384.0 | 2175.5 | 2175.5 | 2543.1 | 2751.6 | 2744.0 | 2755.4 | 2823.6 |
| 40° | 3115.5 | 2664.4 | 2008.8 | 2220.9 | 2076.9 | 2065.6 | 2437.0 | 2645.5 | 2618.9 | 2615.2 | 2709.9 |
| 42.5° | 2982.7 | 2410.5 | 1811.7 | 2004.9 | 1963.3 | 1948.1 | 2308.2 | 2516.6 | 2467.4 | 2478.7 | 2600.0 |
| 45° | 2838.7 | 2342.3 | 1660.0 | 1694.2 | 1845.7 | 1834.4 | 2167.9 | 2368.8 | 2334.6 | 2365.0 | 2490.1 |
| 47.5° | 2694.7 | 2205.8 | 1610.8 | 1406.1 | 1720.7 | 1716.9 | 2012.5 | 2224.8 | 2205.8 | 2236.2 | 2368.8 |
| 50° | 2497.7 | 2054.2 | 1607.0 | 1205.3 | 1580.5 | 1595.6 | 1826.8 | 2084.5 | 2084.5 | 2111.1 | 2251.3 |
| 52.5° | 2243.7 | 1868.5 | 1459.2 | 1091.5 | 1417.5 | 1463.0 | 1663.9 | 1963.3 | 1970.8 | 1997.4 | 2122.5 |
| 55° | 2012.5 | 1675.3 | 1353.0 | 1004.4 | 1224.2 | 1322.7 | 1504.7 | 1838.2 | 1853.4 | 1879.9 | 1993.6 |
| 57.5° | 1800.3 | 1394.7 | 1330.4 | 902.1 | 1046.1 | 1140.8 | 1364.4 | 1716.9 | 1724.5 | 1747.3 | 1857.1 |
| 60° | 1572.8 | 1008.1 | 1220.4 | 792.1 | 890.7 | 962.7 | 1235.6 | 1572.8 | 1599.4 | 1614.5 | 1709.3 |
| 62.5° | 1315.1 | 731.5 | 1106.7 | 716.3 | 814.9 | 830.1 | 1129.5 | 1436.4 | 1470.5 | 1481.9 | 1538.8 |
| 65° | 936.1 | 614.0 | 939.9 | 651.9 | 735.3 | 739.0 | 1015.8 | 1296.2 | 1326.5 | 1345.5 | 1387.1 |
| 67.5° | 632.9 | 500.3 | 716.3 | 591.2 | 674.6 | 678.4 | 905.8 | 1133.2 | 1174.9 | 1190.1 | 1216.7 |
| 70° | 439.7 | 333.5 | 530.6 | 526.9 | 606.4 | 614.0 | 788.4 | 985.5 | 1023.3 | 1034.7 | 1049.8 |
| 72.5° | 322.1 | 269.1 | 439.7 | 473.8 | 534.4 | 542.0 | 667.0 | 818.7 | 856.6 | 867.9 | 875.5 |
| 75° | 246.3 | 284.3 | 356.3 | 413.1 | 454.8 | 458.6 | 545.8 | 667.0 | 693.6 | 701.2 | 704.9 |
| 77.5° | 197.1 | 265.3 | 261.5 | 333.5 | 371.4 | 363.8 | 428.3 | 515.5 | 538.1 | 538.1 | 538.1 |
| 80° | 147.8 | 208.5 | 197.1 | 238.8 | 272.9 | 265.3 | 307.0 | 367.7 | 375.2 | 382.8 | 379.0 |
| 82.5° | 109.9 | 132.6 | 132.6 | 151.6 | 182.0 | 174.3 | 204.6 | 238.8 | 238.8 | 238.8 | 246.3 |
| 85° | 68.2 | 75.8 | 60.6 | 79.6 | 102.3 | 98.6 | 113.7 | 128.9 | 132.6 | 132.6 | 125.1 |
| 87.5° | 41.7 | 34.1 | 18.9 | 30.3 | 45.5 | 45.5 | 53.1 | 56.9 | 53.1 | 53.1 | 53.1 |
| 90° | 15.4 | 10.6 | 5.9 | 10.6 | 15.4 | 16.5 | 26.0 | 38.6 | 44.9 | 40.0 | 29.9 |
| 92.5° | 104.0 | 63.8 | 23.6 | 63.8 | 104.0 | 114.1 | 160.4 | 222.1 | 253.0 | 221.7 | 159.2 |
| 95° | 204.0 | 130.3 | 56.8 | 130.3 | 204.0 | 222.3 | 394.7 | 624.7 | 739.6 | 660.0 | 500.8 |
| 97.5° | 228.0 | 163.0 | 98.1 | 163.0 | 228.0 | 244.2 | 531.7 | 915.1 | 1106.8 | 1056.5 | 955.8 |
| 100° | 247.7 | 188.9 | 130.0 | 188.9 | 247.7 | 262.5 | 581.6 | 1007.0 | 1219.7 | 1223.4 | 1230.7 |
| 102.5° | 267.1 | 212.2 | 157.3 | 212.2 | 267.1 | 280.8 | 604.4 | 1035.9 | 1251.7 | 1315.7 | 1443.9 |
| 105° | 296.3 | 249.9 | 203.4 | 249.9 | 296.3 | 308.0 | 621.3 | 1039.2 | 1248.1 | 1391.8 | 1679.3 |
| 107.5° | 337.4 | 294.0 | 250.7 | 294.0 | 337.4 | 348.2 | 624.6 | 993.0 | 1177.2 | 1377.7 | 1778.7 |
| 110° | 361.0 | 321.8 | 282.7 | 321.8 | 361.0 | 370.7 | 619.8 | 952.0 | 1118.1 | 1342.2 | 1790.5 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 388.5 | 351.2 | 313.9 | 351.2 | 388.5 | 397.9 | 620.0 | 916.1 | 1064.2 | 1293.6 | 1752.4 |
| 115° | 430.1 | 395.7 | 361.2 | 395.7 | 430.1 | 438.7 | 625.7 | 875.1 | 999.8 | 1220.8 | 1662.7 |
| 117.5° | 470.4 | 439.2 | 407.9 | 439.2 | 470.4 | 478.3 | 637.3 | 849.4 | 955.4 | 1154.9 | 1553.7 |
| 120° | 494.0 | 464.6 | 435.2 | 464.6 | 494.0 | 501.3 | 646.8 | 840.8 | 937.7 | 1120.0 | 1484.4 |
| 122.5° | 521.1 | 491.5 | 461.7 | 491.5 | 521.1 | 528.6 | 660.4 | 836.2 | 924.1 | 1088.1 | 1416.4 |
| 125° | 556.7 | 529.6 | 502.6 | 529.6 | 556.7 | 563.5 | 678.8 | 832.5 | 909.3 | 1048.8 | 1327.5 |
| 127.5° | 590.4 | 563.0 | 535.7 | 563.0 | 590.4 | 597.1 | 697.1 | 830.3 | 896.9 | 1016.6 | 1256.0 |
| 130° | 612.3 | 582.9 | 553.4 | 582.9 | 612.3 | 619.6 | 710.5 | 831.6 | 892.2 | 998.7 | 1211.9 |
| 132.5° | 630.6 | 601.2 | 571.7 | 601.2 | 630.6 | 638.0 | 721.4 | 832.5 | 888.0 | 983.4 | 1174.2 |
| 135° | 652.5 | 625.7 | 599.0 | 625.7 | 652.5 | 659.2 | 733.1 | 831.7 | 880.9 | 960.9 | 1120.7 |
| 137.5° | 679.9 | 653.3 | 626.7 | 653.3 | 679.9 | 686.5 | 750.9 | 836.9 | 879.8 | 947.3 | 1082.4 |
| 140° | 698.6 | 674.2 | 649.7 | 674.2 | 698.6 | 704.7 | 761.7 | 837.6 | 875.6 | 933.9 | 1050.7 |
| 142.5° | 712.7 | 690.1 | 667.5 | 690.1 | 712.7 | 718.4 | 770.8 | 840.7 | 875.6 | 926.8 | 1029.3 |
| 145° | 734.1 | 714.4 | 694.7 | 714.4 | 734.1 | 739.0 | 782.6 | 840.7 | 869.8 | 911.6 | 995.5 |
| 147.5° | 760.3 | 741.0 | 721.9 | 741.0 | 760.3 | 765.1 | 800.0 | 846.5 | 869.8 | 902.7 | 968.7 |
| 150° | 774.3 | 756.9 | 739.6 | 756.9 | 774.3 | 778.6 | 809.0 | 849.5 | 869.8 | 897.6 | 953.2 |
| 152.5° | 784.3 | 771.1 | 758.0 | 771.1 | 784.3 | 787.5 | 815.0 | 851.5 | 869.8 | 893.6 | 941.1 |
| 155° | 804.6 | 794.9 | 785.1 | 794.9 | 804.6 | 807.0 | 828.0 | 855.8 | 869.8 | 888.7 | 926.5 |
| 157.5° | 824.1 | 814.8 | 805.3 | 814.8 | 824.1 | 826.5 | 841.0 | 860.2 | 869.8 | 884.5 | 913.8 |
| 160° | 833.6 | 826.2 | 818.9 | 826.2 | 833.6 | 835.4 | 846.9 | 862.1 | 869.8 | 882.4 | 907.5 |
| 162.5° | 843.6 | 838.0 | 832.5 | 838.0 | 843.6 | 844.9 | 853.2 | 864.2 | 869.8 | 880.4 | 901.6 |
| 165° | 857.2 | 852.3 | 847.3 | 852.3 | 857.2 | 858.5 | 862.2 | 867.3 | 869.8 | 877.4 | 892.6 |
| 167.5° | 865.5 | 863.2 | 860.9 | 863.2 | 865.5 | 866.1 | 869.3 | 873.5 | 875.6 | 880.6 | 890.6 |
| 170° | 874.4 | 872.0 | 869.8 | 872.0 | 874.4 | 875.0 | 875.2 | 875.5 | 875.6 | 880.6 | 890.6 |
| 172.5° | 875.5 | 874.9 | 874.4 | 874.9 | 875.5 | 875.6 | 875.6 | 875.6 | 875.6 | 879.5 | 887.4 |
| 175° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 879.1 | 876.7 | 875.6 | 878.1 | 883.1 |
| 177.5° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 879.6 | 877.8 | 876.8 | 878.8 | 882.8 |
| 180° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 |



TEST NUMBER: P934430
 CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 |
| 2.5° | 3865.9 | 3854.5 | 3869.6 | 3827.9 | 3869.6 | 3854.5 | 3865.9 | 3892.4 | 3869.6 | 3884.8 | 3900.0 |
| 5° | 3392.1 | 3373.2 | 3312.5 | 3263.3 | 3312.5 | 3373.2 | 3392.1 | 3471.7 | 3509.6 | 3577.8 | 3668.8 |
| 7.5° | 3032.1 | 3016.9 | 3001.8 | 2971.4 | 3001.8 | 3016.9 | 3032.1 | 3054.7 | 3092.7 | 3153.3 | 3221.6 |
| 10° | 2952.4 | 2956.3 | 2979.0 | 2975.2 | 2979.0 | 2956.3 | 2952.4 | 2944.9 | 2933.5 | 2944.9 | 2986.6 |
| 12.5° | 3157.2 | 3191.2 | 3316.3 | 3308.7 | 3316.3 | 3191.2 | 3157.2 | 3005.5 | 2903.2 | 2884.3 | 2891.8 |
| 15° | 3392.1 | 3403.5 | 3430.1 | 3433.8 | 3430.1 | 3403.5 | 3392.1 | 3331.5 | 3024.4 | 2891.8 | 2850.1 |
| 17.5° | 3414.9 | 3418.7 | 3437.6 | 3437.6 | 3437.6 | 3418.7 | 3414.9 | 3388.4 | 3286.0 | 3107.8 | 2872.9 |
| 20° | 3395.9 | 3403.5 | 3441.3 | 3449.0 | 3441.3 | 3403.5 | 3395.9 | 3361.8 | 3305.0 | 3240.5 | 3062.4 |
| 22.5° | 3388.4 | 3403.5 | 3433.8 | 3430.1 | 3433.8 | 3403.5 | 3388.4 | 3335.3 | 3286.0 | 3240.5 | 3168.5 |
| 25° | 3350.4 | 3350.4 | 3354.2 | 3358.0 | 3354.2 | 3350.4 | 3350.4 | 3308.7 | 3210.2 | 3198.8 | 3157.2 |
| 27.5° | 3270.8 | 3278.4 | 3301.2 | 3297.3 | 3301.2 | 3278.4 | 3270.8 | 3255.6 | 3149.5 | 3138.2 | 3107.8 |
| 30° | 3198.8 | 3191.2 | 3172.3 | 3157.2 | 3172.3 | 3191.2 | 3198.8 | 3176.1 | 3070.0 | 3039.6 | 3047.2 |
| 32.5° | 3077.5 | 3058.6 | 3039.6 | 3028.3 | 3039.6 | 3058.6 | 3077.5 | 3070.0 | 2990.4 | 2948.7 | 2956.3 |
| 35° | 2933.5 | 2937.3 | 2933.5 | 2922.1 | 2933.5 | 2937.3 | 2933.5 | 2941.1 | 2891.8 | 2853.9 | 2850.1 |
| 37.5° | 2831.2 | 2838.7 | 2835.0 | 2819.8 | 2835.0 | 2838.7 | 2831.2 | 2823.6 | 2755.4 | 2744.0 | 2751.6 |
| 40° | 2725.1 | 2728.9 | 2725.1 | 2713.7 | 2725.1 | 2728.9 | 2725.1 | 2709.9 | 2615.2 | 2618.9 | 2645.5 |
| 42.5° | 2622.7 | 2618.9 | 2607.5 | 2600.0 | 2607.5 | 2618.9 | 2622.7 | 2600.0 | 2478.7 | 2467.4 | 2516.6 |
| 45° | 2505.2 | 2509.1 | 2486.3 | 2474.9 | 2486.3 | 2509.1 | 2505.2 | 2490.1 | 2365.0 | 2334.6 | 2368.8 |
| 47.5° | 2387.7 | 2387.7 | 2368.8 | 2357.4 | 2368.8 | 2387.7 | 2387.7 | 2368.8 | 2236.2 | 2205.8 | 2224.8 |
| 50° | 2262.6 | 2258.9 | 2232.3 | 2228.6 | 2232.3 | 2258.9 | 2262.6 | 2251.3 | 2111.1 | 2084.5 | 2084.5 |
| 52.5° | 2118.6 | 2118.6 | 2122.5 | 2130.0 | 2122.5 | 2118.6 | 2118.6 | 2122.5 | 1997.4 | 1970.8 | 1963.3 |
| 55° | 1993.6 | 1997.4 | 2023.9 | 2031.4 | 2023.9 | 1997.4 | 1993.6 | 1993.6 | 1879.9 | 1853.4 | 1838.2 |
| 57.5° | 1864.7 | 1864.7 | 1883.7 | 1883.7 | 1883.7 | 1864.7 | 1864.7 | 1857.1 | 1747.3 | 1724.5 | 1716.9 |
| 60° | 1716.9 | 1724.5 | 1739.6 | 1735.9 | 1739.6 | 1724.5 | 1716.9 | 1709.3 | 1614.5 | 1599.4 | 1572.8 |
| 62.5° | 1561.5 | 1569.1 | 1572.8 | 1565.3 | 1572.8 | 1569.1 | 1561.5 | 1538.8 | 1481.9 | 1470.5 | 1436.4 |
| 65° | 1398.5 | 1406.1 | 1409.9 | 1402.4 | 1409.9 | 1406.1 | 1398.5 | 1387.1 | 1345.5 | 1326.5 | 1296.2 |
| 67.5° | 1231.8 | 1227.9 | 1224.2 | 1239.3 | 1224.2 | 1227.9 | 1231.8 | 1216.7 | 1190.1 | 1174.9 | 1133.2 |
| 70° | 1061.2 | 1061.2 | 1057.5 | 1065.0 | 1057.5 | 1061.2 | 1061.2 | 1049.8 | 1034.7 | 1023.3 | 985.5 |
| 72.5° | 879.3 | 875.5 | 890.7 | 879.3 | 890.7 | 875.5 | 879.3 | 875.5 | 867.9 | 856.6 | 818.7 |
| 75° | 701.2 | 708.7 | 701.2 | 712.6 | 701.2 | 708.7 | 701.2 | 704.9 | 701.2 | 693.6 | 667.0 |
| 77.5° | 534.4 | 542.0 | 534.4 | 534.4 | 534.4 | 542.0 | 534.4 | 538.1 | 538.1 | 538.1 | 515.5 |
| 80° | 379.0 | 375.2 | 375.2 | 371.4 | 375.2 | 375.2 | 379.0 | 379.0 | 382.8 | 375.2 | 367.7 |
| 82.5° | 242.6 | 238.8 | 238.8 | 246.3 | 238.8 | 238.8 | 242.6 | 246.3 | 238.8 | 238.8 | 238.8 |
| 85° | 132.6 | 136.4 | 128.9 | 128.9 | 128.9 | 136.4 | 132.6 | 125.1 | 132.6 | 132.6 | 128.9 |
| 87.5° | 49.2 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 49.2 | 53.1 | 53.1 | 53.1 | 56.9 |
| 90° | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 29.9 | 40.0 | 44.9 | 38.6 |
| 92.5° | 112.4 | 107.9 | 90.0 | 72.1 | 90.0 | 107.9 | 112.4 | 159.2 | 221.7 | 253.0 | 222.1 |
| 95° | 381.3 | 367.8 | 313.6 | 259.5 | 313.6 | 367.8 | 381.3 | 500.8 | 660.0 | 739.6 | 624.7 |
| 97.5° | 880.4 | 854.6 | 751.6 | 648.6 | 751.6 | 854.6 | 880.4 | 955.8 | 1056.5 | 1106.8 | 915.1 |
| 100° | 1236.3 | 1205.6 | 1082.9 | 960.2 | 1082.9 | 1205.6 | 1236.3 | 1230.7 | 1223.4 | 1219.7 | 1007.0 |
| 102.5° | 1540.1 | 1513.8 | 1408.8 | 1303.7 | 1408.8 | 1513.8 | 1540.1 | 1443.9 | 1315.7 | 1251.7 | 1035.9 |
| 105° | 1894.9 | 1880.7 | 1824.3 | 1767.8 | 1824.3 | 1880.7 | 1894.9 | 1679.3 | 1391.8 | 1248.1 | 1039.2 |
| 107.5° | 2079.4 | 2082.9 | 2096.5 | 2110.1 | 2096.5 | 2082.9 | 2079.4 | 1778.7 | 1377.7 | 1177.2 | 993.0 |
| 110° | 2126.7 | 2141.4 | 2200.2 | 2259.1 | 2200.2 | 2141.4 | 2126.7 | 1790.5 | 1342.2 | 1118.1 | 952.0 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2096.5 | 2119.1 | 2209.6 | 2299.9 | 2209.6 | 2119.1 | 2096.5 | 1752.4 | 1293.6 | 1064.2 | 916.1 |
| 115° | 1994.2 | 2025.6 | 2151.0 | 2276.3 | 2151.0 | 2025.6 | 1994.2 | 1662.7 | 1220.8 | 999.8 | 875.1 |
| 117.5° | 1852.9 | 1887.6 | 2026.7 | 2165.7 | 2026.7 | 1887.6 | 1852.9 | 1553.7 | 1154.9 | 955.4 | 849.4 |
| 120° | 1757.8 | 1791.5 | 1926.6 | 2061.6 | 1926.6 | 1791.5 | 1757.8 | 1484.4 | 1120.0 | 937.7 | 840.8 |
| 122.5° | 1662.5 | 1695.8 | 1829.1 | 1962.3 | 1829.1 | 1695.8 | 1662.5 | 1416.4 | 1088.1 | 924.1 | 836.2 |
| 125° | 1536.6 | 1567.3 | 1690.0 | 1812.8 | 1690.0 | 1567.3 | 1536.6 | 1327.5 | 1048.8 | 909.3 | 832.5 |
| 127.5° | 1435.5 | 1461.4 | 1564.9 | 1668.5 | 1564.9 | 1461.4 | 1435.5 | 1256.0 | 1016.6 | 896.9 | 830.3 |
| 130° | 1371.7 | 1395.6 | 1491.3 | 1586.9 | 1491.3 | 1395.6 | 1371.7 | 1211.9 | 998.7 | 892.2 | 831.6 |
| 132.5° | 1317.3 | 1338.7 | 1424.3 | 1510.0 | 1424.3 | 1338.7 | 1317.3 | 1174.2 | 983.4 | 888.0 | 832.5 |
| 135° | 1240.5 | 1258.9 | 1332.7 | 1406.6 | 1332.7 | 1258.9 | 1240.5 | 1120.7 | 960.9 | 880.9 | 831.7 |
| 137.5° | 1183.7 | 1198.8 | 1259.2 | 1319.6 | 1259.2 | 1198.8 | 1183.7 | 1082.4 | 947.3 | 879.8 | 836.9 |
| 140° | 1138.2 | 1152.3 | 1208.7 | 1265.2 | 1208.7 | 1152.3 | 1138.2 | 1050.7 | 933.9 | 875.6 | 837.6 |
| 142.5° | 1106.2 | 1118.4 | 1167.0 | 1215.6 | 1167.0 | 1118.4 | 1106.2 | 1029.3 | 926.8 | 875.6 | 840.7 |
| 145° | 1058.3 | 1067.5 | 1104.3 | 1141.1 | 1104.3 | 1067.5 | 1058.3 | 995.5 | 911.6 | 869.8 | 840.7 |
| 147.5° | 1018.2 | 1025.8 | 1056.2 | 1086.7 | 1056.2 | 1025.8 | 1018.2 | 968.7 | 902.7 | 869.8 | 846.5 |
| 150° | 995.0 | 1001.2 | 1025.9 | 1050.7 | 1025.9 | 1001.2 | 995.0 | 953.2 | 897.6 | 869.8 | 849.5 |
| 152.5° | 976.8 | 981.4 | 1000.1 | 1018.7 | 1000.1 | 981.4 | 976.8 | 941.1 | 893.6 | 869.8 | 851.5 |
| 155° | 954.9 | 957.9 | 970.3 | 982.7 | 970.3 | 957.9 | 954.9 | 926.5 | 888.7 | 869.8 | 855.8 |
| 157.5° | 935.9 | 938.1 | 946.7 | 955.4 | 946.7 | 938.1 | 935.9 | 913.8 | 884.5 | 869.8 | 860.2 |
| 160° | 926.5 | 927.7 | 932.8 | 937.7 | 932.8 | 927.7 | 926.5 | 907.5 | 882.4 | 869.8 | 862.1 |
| 162.5° | 917.6 | 918.7 | 923.5 | 928.3 | 923.5 | 918.7 | 917.6 | 901.6 | 880.4 | 869.8 | 864.2 |
| 165° | 904.0 | 905.2 | 910.3 | 915.3 | 910.3 | 905.2 | 904.0 | 892.6 | 877.4 | 869.8 | 867.3 |
| 167.5° | 898.1 | 898.6 | 900.7 | 902.8 | 900.7 | 898.6 | 898.1 | 890.6 | 880.6 | 875.6 | 873.5 |
| 170° | 898.1 | 898.1 | 898.1 | 898.1 | 898.1 | 898.1 | 898.1 | 890.6 | 880.6 | 875.6 | 875.5 |
| 172.5° | 893.4 | 892.9 | 891.1 | 889.3 | 891.1 | 892.9 | 893.4 | 887.4 | 879.5 | 875.6 | 875.6 |
| 175° | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 883.1 | 878.1 | 875.6 | 876.7 |
| 177.5° | 885.7 | 885.1 | 883.0 | 880.9 | 883.0 | 885.1 | 885.7 | 882.8 | 878.8 | 876.8 | 877.8 |
| 180° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4006.1 | 4006.1 | 4006.1 | 4006.1 | 4006.1 |
| 2.5° | 3956.8 | 3975.8 | 3987.1 | 4002.3 | 4040.2 |
| 5° | 3805.3 | 3877.3 | 3900.0 | 3956.8 | 4025.1 |
| 7.5° | 3471.7 | 3691.6 | 3752.2 | 3888.6 | 3994.7 |
| 10° | 3149.5 | 3369.3 | 3475.5 | 3797.6 | 3956.8 |
| 12.5° | 2986.6 | 3115.5 | 3187.5 | 3638.5 | 3903.8 |
| 15° | 2884.3 | 2975.2 | 3028.3 | 3426.2 | 3843.1 |
| 17.5° | 2804.6 | 2869.1 | 2907.0 | 3217.8 | 3759.8 |
| 20° | 2755.4 | 2785.7 | 2819.8 | 3066.1 | 3665.0 |
| 22.5° | 2721.2 | 2702.3 | 2728.9 | 2960.1 | 3536.1 |
| 25° | 2698.6 | 2626.6 | 2656.9 | 2876.7 | 3384.5 |
| 27.5° | 2717.5 | 2558.3 | 2569.7 | 2800.9 | 3225.3 |
| 30° | 2721.2 | 2474.9 | 2478.7 | 2721.2 | 3047.2 |
| 32.5° | 2694.7 | 2387.7 | 2391.5 | 2622.7 | 2846.3 |
| 35° | 2630.3 | 2285.4 | 2281.7 | 2509.1 | 2573.5 |
| 37.5° | 2543.1 | 2175.5 | 2175.5 | 2384.0 | 2274.0 |
| 40° | 2437.0 | 2065.6 | 2076.9 | 2220.9 | 2008.8 |
| 42.5° | 2308.2 | 1948.1 | 1963.3 | 2004.9 | 1811.7 |
| 45° | 2167.9 | 1834.4 | 1845.7 | 1694.2 | 1660.0 |
| 47.5° | 2012.5 | 1716.9 | 1720.7 | 1406.1 | 1610.8 |
| 50° | 1826.8 | 1595.6 | 1580.5 | 1205.3 | 1607.0 |
| 52.5° | 1663.9 | 1463.0 | 1417.5 | 1091.5 | 1459.2 |
| 55° | 1504.7 | 1322.7 | 1224.2 | 1004.4 | 1353.0 |
| 57.5° | 1364.4 | 1140.8 | 1046.1 | 902.1 | 1330.4 |
| 60° | 1235.6 | 962.7 | 890.7 | 792.1 | 1220.4 |
| 62.5° | 1129.5 | 830.1 | 814.9 | 716.3 | 1106.7 |
| 65° | 1015.8 | 739.0 | 735.3 | 651.9 | 939.9 |
| 67.5° | 905.8 | 678.4 | 674.6 | 591.2 | 716.3 |
| 70° | 788.4 | 614.0 | 606.4 | 526.9 | 530.6 |
| 72.5° | 667.0 | 542.0 | 534.4 | 473.8 | 439.7 |
| 75° | 545.8 | 458.6 | 454.8 | 413.1 | 356.3 |
| 77.5° | 428.3 | 363.8 | 371.4 | 333.5 | 261.5 |
| 80° | 307.0 | 265.3 | 272.9 | 238.8 | 197.1 |
| 82.5° | 204.6 | 174.3 | 182.0 | 151.6 | 132.6 |
| 85° | 113.7 | 98.6 | 102.3 | 79.6 | 60.6 |
| 87.5° | 53.1 | 45.5 | 45.5 | 30.3 | 18.9 |
| 90° | 26.0 | 16.5 | 15.4 | 10.6 | 5.9 |
| 92.5° | 160.4 | 114.1 | 104.0 | 63.8 | 23.6 |
| 95° | 394.7 | 222.3 | 204.0 | 130.3 | 56.8 |
| 97.5° | 531.7 | 244.2 | 228.0 | 163.0 | 98.1 |
| 100° | 581.6 | 262.5 | 247.7 | 188.9 | 130.0 |
| 102.5° | 604.4 | 280.8 | 267.1 | 212.2 | 157.3 |
| 105° | 621.3 | 308.0 | 296.3 | 249.9 | 203.4 |
| 107.5° | 624.6 | 348.2 | 337.4 | 294.0 | 250.7 |
| 110° | 619.8 | 370.7 | 361.0 | 321.8 | 282.7 |



TEST NUMBER: P934430

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 620.0 | 397.9 | 388.5 | 351.2 | 313.9 |
| 115° | 625.7 | 438.7 | 430.1 | 395.7 | 361.2 |
| 117.5° | 637.3 | 478.3 | 470.4 | 439.2 | 407.9 |
| 120° | 646.8 | 501.3 | 494.0 | 464.6 | 435.2 |
| 122.5° | 660.4 | 528.6 | 521.1 | 491.5 | 461.7 |
| 125° | 678.8 | 563.5 | 556.7 | 529.6 | 502.6 |
| 127.5° | 697.1 | 597.1 | 590.4 | 563.0 | 535.7 |
| 130° | 710.5 | 619.6 | 612.3 | 582.9 | 553.4 |
| 132.5° | 721.4 | 638.0 | 630.6 | 601.2 | 571.7 |
| 135° | 733.1 | 659.2 | 652.5 | 625.7 | 599.0 |
| 137.5° | 750.9 | 686.5 | 679.9 | 653.3 | 626.7 |
| 140° | 761.7 | 704.7 | 698.6 | 674.2 | 649.7 |
| 142.5° | 770.8 | 718.4 | 712.7 | 690.1 | 667.5 |
| 145° | 782.6 | 739.0 | 734.1 | 714.4 | 694.7 |
| 147.5° | 800.0 | 765.1 | 760.3 | 741.0 | 721.9 |
| 150° | 809.0 | 778.6 | 774.3 | 756.9 | 739.6 |
| 152.5° | 815.0 | 787.5 | 784.3 | 771.1 | 758.0 |
| 155° | 828.0 | 807.0 | 804.6 | 794.9 | 785.1 |
| 157.5° | 841.0 | 826.5 | 824.1 | 814.8 | 805.3 |
| 160° | 846.9 | 835.4 | 833.6 | 826.2 | 818.9 |
| 162.5° | 853.2 | 844.9 | 843.6 | 838.0 | 832.5 |
| 165° | 862.2 | 858.5 | 857.2 | 852.3 | 847.3 |
| 167.5° | 869.3 | 866.1 | 865.5 | 863.2 | 860.9 |
| 170° | 875.2 | 875.0 | 874.4 | 872.0 | 869.8 |
| 172.5° | 875.6 | 875.6 | 875.5 | 874.9 | 874.4 |
| 175° | 879.1 | 880.9 | 880.9 | 880.9 | 880.9 |
| 177.5° | 879.6 | 880.9 | 880.9 | 880.9 | 880.9 |
| 180° | 880.9 | 880.9 | 880.9 | 880.9 | 880.9 |



TEST NUMBER: P934430
 CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-6500K

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 | 14.80 | 15.81 | 15.62 | 16.65 | 17.70 | 17.65 | 18.66 | 18.47 | 19.50 | 20.55 |
| | 3H | 15.29 | 16.19 | 16.12 | 17.05 | 18.12 | 19.01 | 19.92 | 19.85 | 20.77 | 21.85 |
| | 4H | 15.49 | 16.34 | 16.34 | 17.20 | 18.29 | 19.47 | 20.32 | 20.32 | 21.19 | 22.27 |
| | 6H | 15.61 | 16.40 | 16.48 | 17.27 | 18.37 | 19.77 | 20.56 | 20.63 | 21.42 | 22.52 |
| | 8H | 15.62 | 16.37 | 16.49 | 17.25 | 18.35 | 19.85 | 20.60 | 20.72 | 21.49 | 22.59 |
| | 12H | 15.59 | 16.31 | 16.47 | 17.19 | 18.31 | 19.90 | 20.61 | 20.77 | 21.49 | 22.62 |
| 4H | 2H | 15.86 | 16.71 | 16.71 | 17.57 | 18.66 | 18.08 | 18.93 | 18.93 | 19.79 | 20.88 |
| | 3H | 16.90 | 17.61 | 17.76 | 18.50 | 19.60 | 19.60 | 20.32 | 20.47 | 21.21 | 22.31 |
| | 4H | 17.18 | 17.83 | 18.06 | 18.72 | 19.85 | 20.14 | 20.79 | 21.02 | 21.68 | 22.81 |
| | 6H | 17.31 | 17.87 | 18.21 | 18.79 | 19.92 | 20.52 | 21.08 | 21.42 | 22.00 | 23.13 |
| | 8H | 17.32 | 17.84 | 18.22 | 18.75 | 19.90 | 20.63 | 21.16 | 21.53 | 22.07 | 23.21 |
| | 12H | 17.29 | 17.77 | 18.21 | 18.69 | 19.84 | 20.70 | 21.17 | 21.62 | 22.10 | 23.25 |
| 8H | 4H | 17.65 | 18.17 | 18.55 | 19.08 | 20.22 | 20.28 | 20.80 | 21.18 | 21.71 | 22.85 |
| | 6H | 17.92 | 18.35 | 18.84 | 19.30 | 20.44 | 20.73 | 21.16 | 21.65 | 22.11 | 23.25 |
| | 8H | 17.96 | 18.34 | 18.89 | 19.29 | 20.45 | 20.88 | 21.27 | 21.82 | 22.21 | 23.37 |
| | 12H | 17.95 | 18.29 | 18.89 | 19.22 | 20.43 | 20.99 | 21.33 | 21.93 | 22.26 | 23.48 |
| 12H | 4H | 17.66 | 18.13 | 18.58 | 19.06 | 20.21 | 20.25 | 20.72 | 21.17 | 21.65 | 22.80 |
| | 6H | 17.98 | 18.36 | 18.91 | 19.30 | 20.47 | 20.72 | 21.11 | 21.66 | 22.05 | 23.21 |
| | 8H | 18.05 | 18.39 | 18.99 | 19.32 | 20.54 | 20.90 | 21.23 | 21.83 | 22.17 | 23.38 |