

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: P934330

Luminaire Tested: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934330
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

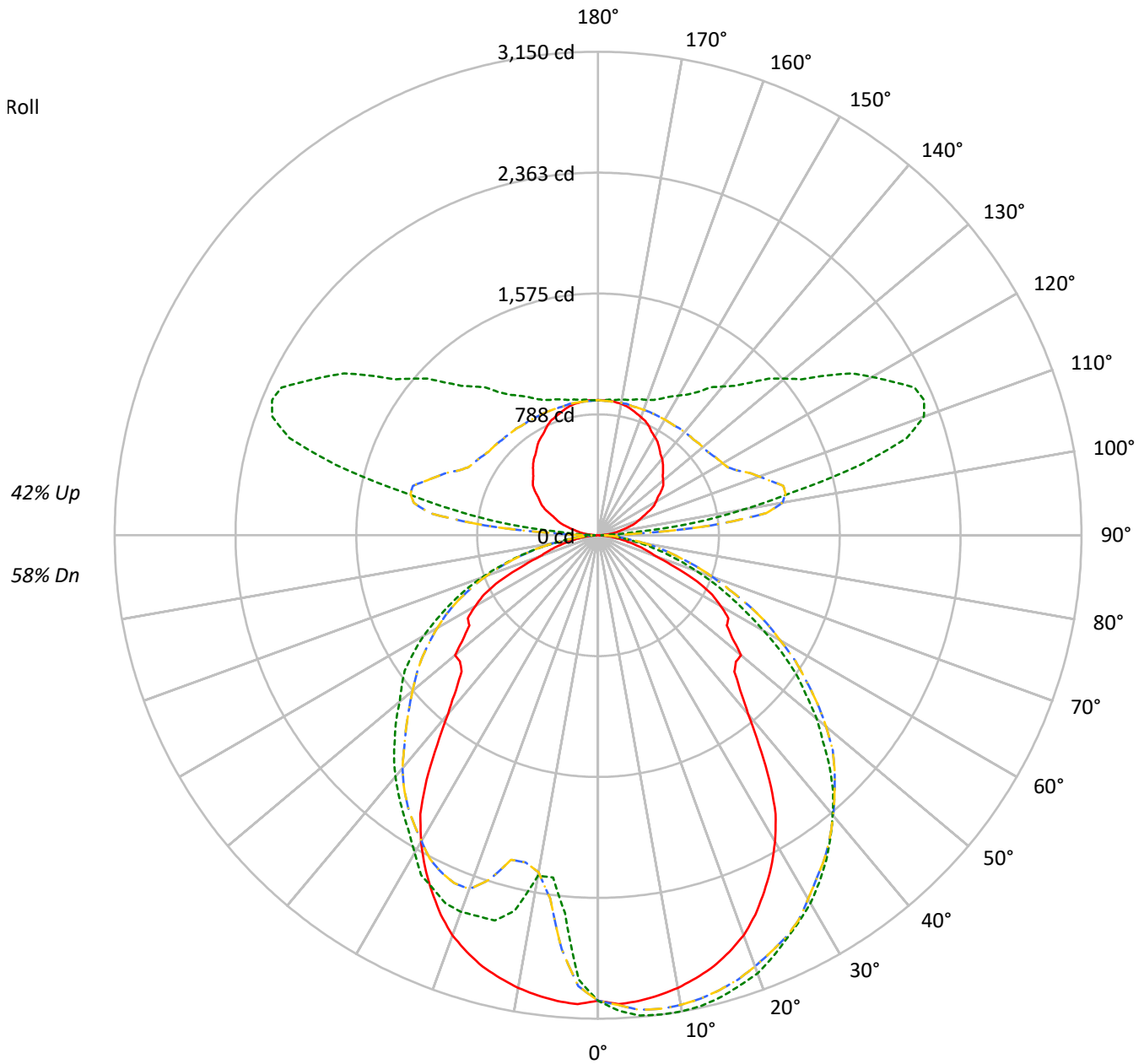
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13575.9 lumens
Efficiency: N/A
Efficacy: 124.3 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: General Diffuse

Input Watts (W): 109.2
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: P934330
CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |
| 1 | 100 | 95 | 91 | 88 | 93 | 89 | 86 | 83 | 77 | 75 | 72 | 66 | 64 | 63 | 56 | 55 | 54 | 49 |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 72 | 68 | 68 | 63 | 60 | 58 | 55 | 52 | 49 | 47 | 45 | 41 |
| 3 | 83 | 73 | 66 | 60 | 77 | 68 | 62 | 57 | 60 | 55 | 50 | 51 | 48 | 44 | 44 | 41 | 39 | 35 |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 48 | 53 | 47 | 43 | 46 | 41 | 38 | 39 | 36 | 33 | 30 |
| 5 | 70 | 58 | 49 | 43 | 65 | 54 | 47 | 41 | 47 | 42 | 37 | 41 | 37 | 33 | 35 | 32 | 29 | 26 |
| 6 | 64 | 52 | 44 | 38 | 60 | 49 | 41 | 36 | 43 | 37 | 32 | 37 | 32 | 29 | 32 | 28 | 25 | 23 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 31 | 39 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 23 | 20 |
| 8 | 55 | 42 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 18 |
| 9 | 51 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 20 | 25 | 21 | 18 | 16 |
| 10 | 48 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 30 | 24 | 20 | 26 | 22 | 18 | 23 | 19 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 9379 | 9379 | 9379 | 9379 |
| 5° | 9452 | 9467 | 9452 | 7444 |
| 10° | 9393 | 9326 | 9393 | 6667 |
| 15° | 9294 | 9124 | 9294 | 7619 |
| 20° | 9103 | 8884 | 9103 | 7635 |
| 25° | 8709 | 8535 | 8709 | 7473 |
| 30° | 8198 | 8246 | 8198 | 7117 |
| 35° | 7312 | 7879 | 7312 | 6727 |
| 40° | 6096 | 7447 | 6096 | 6432 |
| 45° | 5450 | 6942 | 5450 | 6093 |
| 50° | 5795 | 6339 | 5795 | 5752 |
| 55° | 5458 | 5690 | 5458 | 5556 |
| 60° | 5633 | 4833 | 5633 | 5088 |
| 65° | 5115 | 3995 | 5115 | 4466 |
| 70° | 3551 | 3184 | 3551 | 3743 |
| 75° | 3125 | 2354 | 3125 | 2818 |
| 80° | 2538 | 1556 | 2538 | 1694 |
| 85° | 1487 | 824 | 1487 | 700 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8349 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 273.7 | 2.0 |
| 10°-20° | 777.1 | 5.7 |
| 20°-30° | 1201.3 | 8.8 |
| 30°-40° | 1434.1 | 10.6 |
| 40°-50° | 1442.5 | 10.6 |
| 50°-60° | 1255.1 | 9.2 |
| 60°-70° | 889.9 | 6.6 |
| 70°-80° | 470.8 | 3.5 |
| 80°-90° | 120.6 | 0.9 |
| 90°-100° | 429.4 | 3.2 |
| 100°-110° | 1129.0 | 8.3 |
| 110°-120° | 1170.6 | 8.6 |
| 120°-130° | 939.0 | 6.9 |
| 130°-140° | 736.8 | 5.4 |
| 140°-150° | 565.5 | 4.2 |
| 150°-160° | 407.3 | 3.0 |
| 160°-170° | 249.2 | 1.8 |
| 170°-180° | 84.2 | 0.6 |
| 0°-30° | 2252.1 | 16.6 |
| 0°-40° | 3686.2 | 27.2 |
| 0°-60° | 6383.8 | 47.0 |
| 0°-90° | 7865.1 | 57.9 |
| 90°-120° | 2729.0 | 20.1 |
| 90°-150° | 4970.2 | 36.6 |
| 90°-180° | 5711.0 | 42.1 |
| 0°-180° | 13575.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3032 | 3032 | 3032 | 3032 | 3032 | |
| 5° | 3046 | 3141 | 3046 | 2470 | 3046 | 289 |
| 15° | 2909 | 3112 | 2909 | 2599 | 2909 | 818 |
| 25° | 2562 | 2903 | 2562 | 2542 | 2562 | 1176 |
| 35° | 1948 | 2590 | 1948 | 2212 | 1948 | 1205 |
| 45° | 1256 | 2134 | 1256 | 1873 | 1256 | 1006 |
| 55° | 1024 | 1575 | 1024 | 1538 | 1024 | 941 |
| 65° | 711 | 950 | 711 | 1061 | 711 | 680 |
| 75° | 270 | 450 | 270 | 539 | 270 | 283 |
| 85° | 46 | 115 | 46 | 98 | 46 | 62 |
| 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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 |
| 2.5° | 3058.0 | 3058.0 | 3075.2 | 3080.9 | 3080.9 | 3072.3 | 3063.7 | 3072.3 | 3098.2 | 3106.8 | 3103.9 |
| 5° | 3046.5 | 3069.5 | 3101.0 | 3106.8 | 3112.5 | 3109.6 | 3103.9 | 3109.6 | 3138.3 | 3144.1 | 3146.9 |
| 7.5° | 3023.6 | 3066.6 | 3106.8 | 3115.4 | 3124.0 | 3115.4 | 3112.5 | 3118.2 | 3146.9 | 3152.7 | 3152.7 |
| 10° | 2994.9 | 3055.1 | 3101.0 | 3106.8 | 3115.4 | 3106.8 | 3106.8 | 3118.2 | 3146.9 | 3152.7 | 3155.5 |
| 12.5° | 2954.7 | 3037.9 | 3080.9 | 3086.7 | 3098.2 | 3095.3 | 3092.4 | 3103.9 | 3132.6 | 3138.3 | 3138.3 |
| 15° | 2908.8 | 3006.4 | 3046.5 | 3052.3 | 3072.3 | 3066.6 | 3066.6 | 3078.1 | 3109.6 | 3118.2 | 3115.4 |
| 17.5° | 2845.7 | 2966.2 | 3012.1 | 3020.7 | 3035.1 | 3032.2 | 3035.1 | 3046.5 | 3075.2 | 3080.9 | 3083.8 |
| 20° | 2774.0 | 2911.7 | 2966.2 | 2974.8 | 2989.2 | 2989.2 | 2989.2 | 3003.5 | 3032.2 | 3043.7 | 3043.7 |
| 22.5° | 2676.5 | 2854.3 | 2911.7 | 2917.4 | 2934.7 | 2934.7 | 2940.4 | 2960.5 | 2986.3 | 2989.2 | 2989.2 |
| 25° | 2561.7 | 2791.2 | 2840.0 | 2857.2 | 2874.4 | 2883.0 | 2891.6 | 2903.1 | 2911.7 | 2908.8 | 2911.7 |
| 27.5° | 2441.2 | 2710.9 | 2774.0 | 2785.5 | 2808.4 | 2817.0 | 2828.5 | 2831.4 | 2834.3 | 2842.9 | 2837.1 |
| 30° | 2306.3 | 2599.0 | 2693.7 | 2705.2 | 2742.5 | 2748.2 | 2736.7 | 2742.5 | 2756.8 | 2762.5 | 2768.3 |
| 32.5° | 2154.3 | 2432.6 | 2610.5 | 2636.3 | 2670.7 | 2653.5 | 2650.7 | 2659.3 | 2682.2 | 2682.2 | 2688.0 |
| 35° | 1947.8 | 2303.5 | 2533.1 | 2556.0 | 2581.8 | 2561.7 | 2573.2 | 2576.1 | 2590.4 | 2599.0 | 2596.2 |
| 37.5° | 1721.1 | 2191.6 | 2452.6 | 2469.8 | 2489.9 | 2464.1 | 2481.3 | 2489.9 | 2501.4 | 2495.7 | 2495.7 |
| 40° | 1520.3 | 2016.6 | 2358.0 | 2369.4 | 2386.7 | 2366.6 | 2383.8 | 2389.5 | 2395.3 | 2389.5 | 2386.7 |
| 42.5° | 1371.2 | 1824.4 | 2257.6 | 2271.9 | 2260.4 | 2274.8 | 2280.5 | 2292.0 | 2283.4 | 2271.9 | 2271.9 |
| 45° | 1256.4 | 1772.8 | 2148.6 | 2165.8 | 2148.6 | 2171.5 | 2180.1 | 2180.1 | 2154.3 | 2148.6 | 2145.7 |
| 47.5° | 1219.1 | 1669.5 | 2039.6 | 2039.6 | 2031.0 | 2059.6 | 2074.0 | 2053.9 | 2028.1 | 2019.5 | 2019.5 |
| 50° | 1216.3 | 1554.8 | 1890.4 | 1878.9 | 1919.1 | 1953.5 | 1939.2 | 1919.1 | 1899.0 | 1867.4 | 1867.4 |
| 52.5° | 1104.4 | 1414.2 | 1698.2 | 1741.2 | 1804.3 | 1824.4 | 1801.5 | 1781.4 | 1747.0 | 1732.6 | 1721.1 |
| 55° | 1024.1 | 1267.9 | 1523.2 | 1609.3 | 1675.3 | 1701.1 | 1658.0 | 1638.0 | 1586.3 | 1577.7 | 1572.0 |
| 57.5° | 1006.9 | 1055.6 | 1362.6 | 1471.6 | 1551.9 | 1549.0 | 1523.2 | 1485.9 | 1442.9 | 1434.3 | 1431.4 |
| 60° | 923.7 | 763.0 | 1190.5 | 1319.5 | 1402.7 | 1394.1 | 1371.2 | 1336.8 | 1296.6 | 1290.9 | 1285.1 |
| 62.5° | 837.6 | 553.6 | 995.4 | 1141.7 | 1259.3 | 1256.4 | 1236.4 | 1184.7 | 1156.0 | 1141.7 | 1130.2 |
| 65° | 711.4 | 464.7 | 708.5 | 949.5 | 1118.7 | 1124.5 | 1081.5 | 1044.2 | 1012.6 | 995.4 | 992.5 |
| 67.5° | 542.2 | 378.7 | 479.1 | 791.7 | 983.9 | 978.2 | 923.7 | 906.5 | 866.3 | 857.7 | 840.5 |
| 70° | 401.6 | 252.4 | 332.8 | 642.6 | 852.0 | 837.6 | 794.6 | 774.5 | 737.2 | 717.1 | 705.7 |
| 72.5° | 332.8 | 203.7 | 243.8 | 499.1 | 717.1 | 699.9 | 662.6 | 639.7 | 608.1 | 590.9 | 579.5 |
| 75° | 269.6 | 215.1 | 186.5 | 370.0 | 582.3 | 570.8 | 536.4 | 513.5 | 487.7 | 464.7 | 467.6 |
| 77.5° | 197.9 | 200.8 | 149.2 | 272.5 | 461.8 | 444.6 | 424.5 | 395.9 | 384.4 | 361.4 | 361.4 |
| 80° | 149.2 | 157.8 | 111.9 | 186.5 | 332.8 | 332.8 | 315.5 | 295.5 | 275.4 | 263.9 | 263.9 |
| 82.5° | 100.4 | 100.4 | 83.2 | 117.6 | 226.6 | 218.0 | 206.5 | 200.8 | 189.3 | 183.6 | 183.6 |
| 85° | 45.9 | 57.4 | 51.6 | 71.7 | 123.3 | 129.1 | 129.1 | 123.3 | 120.5 | 114.7 | 117.6 |
| 87.5° | 14.3 | 25.8 | 31.6 | 40.2 | 63.1 | 66.0 | 68.8 | 68.8 | 68.8 | 71.7 | 71.7 |
| 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-075D-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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 |
| 2.5° | 3109.6 | 3101.0 | 3109.6 | 3103.9 | 3106.8 | 3098.2 | 3072.3 | 3063.7 | 3072.3 | 3080.9 | 3080.9 |
| 5° | 3146.9 | 3141.2 | 3146.9 | 3146.9 | 3144.1 | 3138.3 | 3109.6 | 3103.9 | 3109.6 | 3112.5 | 3106.8 |
| 7.5° | 3158.4 | 3149.8 | 3158.4 | 3152.7 | 3152.7 | 3146.9 | 3118.2 | 3112.5 | 3115.4 | 3124.0 | 3115.4 |
| 10° | 3158.4 | 3149.8 | 3158.4 | 3155.5 | 3152.7 | 3146.9 | 3118.2 | 3106.8 | 3106.8 | 3115.4 | 3106.8 |
| 12.5° | 3144.1 | 3138.3 | 3144.1 | 3138.3 | 3138.3 | 3132.6 | 3103.9 | 3092.4 | 3095.3 | 3098.2 | 3086.7 |
| 15° | 3121.1 | 3112.5 | 3121.1 | 3115.4 | 3118.2 | 3109.6 | 3078.1 | 3066.6 | 3066.6 | 3072.3 | 3052.3 |
| 17.5° | 3086.7 | 3075.2 | 3086.7 | 3083.8 | 3080.9 | 3075.2 | 3046.5 | 3035.1 | 3032.2 | 3035.1 | 3020.7 |
| 20° | 3046.5 | 3037.9 | 3046.5 | 3043.7 | 3043.7 | 3032.2 | 3003.5 | 2989.2 | 2989.2 | 2989.2 | 2974.8 |
| 22.5° | 2983.4 | 2974.8 | 2983.4 | 2989.2 | 2989.2 | 2986.3 | 2960.5 | 2940.4 | 2934.7 | 2934.7 | 2917.4 |
| 25° | 2911.7 | 2903.1 | 2911.7 | 2911.7 | 2908.8 | 2911.7 | 2903.1 | 2891.6 | 2883.0 | 2874.4 | 2857.2 |
| 27.5° | 2842.9 | 2837.1 | 2842.9 | 2837.1 | 2842.9 | 2834.3 | 2831.4 | 2828.5 | 2817.0 | 2808.4 | 2785.5 |
| 30° | 2774.0 | 2768.3 | 2774.0 | 2768.3 | 2762.5 | 2756.8 | 2742.5 | 2736.7 | 2748.2 | 2742.5 | 2705.2 |
| 32.5° | 2688.0 | 2682.2 | 2688.0 | 2688.0 | 2682.2 | 2682.2 | 2659.3 | 2650.7 | 2653.5 | 2670.7 | 2636.3 |
| 35° | 2599.0 | 2590.4 | 2599.0 | 2596.2 | 2599.0 | 2590.4 | 2576.1 | 2573.2 | 2561.7 | 2581.8 | 2556.0 |
| 37.5° | 2495.7 | 2487.1 | 2495.7 | 2495.7 | 2495.7 | 2501.4 | 2489.9 | 2481.3 | 2464.1 | 2489.9 | 2469.8 |
| 40° | 2389.5 | 2378.1 | 2389.5 | 2386.7 | 2389.5 | 2395.3 | 2389.5 | 2383.8 | 2366.6 | 2386.7 | 2369.4 |
| 42.5° | 2269.0 | 2266.2 | 2269.0 | 2271.9 | 2271.9 | 2283.4 | 2292.0 | 2280.5 | 2274.8 | 2260.4 | 2271.9 |
| 45° | 2140.0 | 2134.2 | 2140.0 | 2145.7 | 2148.6 | 2154.3 | 2180.1 | 2180.1 | 2171.5 | 2148.6 | 2165.8 |
| 47.5° | 2002.3 | 1987.9 | 2002.3 | 2019.5 | 2019.5 | 2028.1 | 2053.9 | 2074.0 | 2059.6 | 2031.0 | 2039.6 |
| 50° | 1856.0 | 1858.8 | 1856.0 | 1867.4 | 1867.4 | 1899.0 | 1919.1 | 1939.2 | 1953.5 | 1919.1 | 1878.9 |
| 52.5° | 1712.5 | 1709.7 | 1712.5 | 1721.1 | 1732.6 | 1747.0 | 1781.4 | 1801.5 | 1824.4 | 1804.3 | 1741.2 |
| 55° | 1569.1 | 1574.8 | 1569.1 | 1572.0 | 1577.7 | 1586.3 | 1638.0 | 1658.0 | 1701.1 | 1675.3 | 1609.3 |
| 57.5° | 1425.7 | 1417.1 | 1425.7 | 1431.4 | 1434.3 | 1442.9 | 1485.9 | 1523.2 | 1549.0 | 1551.9 | 1471.6 |
| 60° | 1259.3 | 1247.8 | 1259.3 | 1285.1 | 1290.9 | 1296.6 | 1336.8 | 1371.2 | 1394.1 | 1402.7 | 1319.5 |
| 62.5° | 1113.0 | 1092.9 | 1113.0 | 1130.2 | 1141.7 | 1156.0 | 1184.7 | 1236.4 | 1256.4 | 1259.3 | 1141.7 |
| 65° | 958.1 | 949.5 | 958.1 | 992.5 | 995.4 | 1012.6 | 1044.2 | 1081.5 | 1124.5 | 1118.7 | 949.5 |
| 67.5° | 817.5 | 817.5 | 817.5 | 840.5 | 857.7 | 866.3 | 906.5 | 923.7 | 978.2 | 983.9 | 791.7 |
| 70° | 688.5 | 685.6 | 688.5 | 705.7 | 717.1 | 737.2 | 774.5 | 794.6 | 837.6 | 852.0 | 642.6 |
| 72.5° | 565.1 | 562.2 | 565.1 | 579.5 | 590.9 | 608.1 | 639.7 | 662.6 | 699.9 | 717.1 | 499.1 |
| 75° | 456.1 | 450.4 | 456.1 | 467.6 | 464.7 | 487.7 | 513.5 | 536.4 | 570.8 | 582.3 | 370.0 |
| 77.5° | 350.0 | 350.0 | 350.0 | 361.4 | 361.4 | 384.4 | 395.9 | 424.5 | 444.6 | 461.8 | 272.5 |
| 80° | 261.0 | 258.2 | 261.0 | 263.9 | 263.9 | 275.4 | 295.5 | 315.5 | 332.8 | 332.8 | 186.5 |
| 82.5° | 183.6 | 177.9 | 183.6 | 183.6 | 183.6 | 189.3 | 200.8 | 206.5 | 218.0 | 226.6 | 117.6 |
| 85° | 114.7 | 114.7 | 114.7 | 117.6 | 114.7 | 120.5 | 123.3 | 129.1 | 129.1 | 123.3 | 71.7 |
| 87.5° | 74.6 | 71.7 | 74.6 | 71.7 | 71.7 | 68.8 | 68.8 | 68.8 | 66.0 | 63.1 | 40.2 |
| 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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 |
| 2.5° | 3075.2 | 3058.0 | 3058.0 | 3029.3 | 3017.8 | 3009.2 | 2994.9 | 2951.9 | 2940.4 | 2928.9 | 2946.1 |
| 5° | 3101.0 | 3069.5 | 3046.5 | 2994.9 | 2951.9 | 2934.7 | 2880.1 | 2776.9 | 2708.0 | 2656.4 | 2627.7 |
| 7.5° | 3106.8 | 3066.6 | 3023.6 | 2943.3 | 2840.0 | 2794.1 | 2627.7 | 2438.3 | 2386.7 | 2340.8 | 2312.1 |
| 10° | 3101.0 | 3055.1 | 2994.9 | 2874.4 | 2630.6 | 2550.3 | 2383.8 | 2260.4 | 2228.9 | 2220.3 | 2228.9 |
| 12.5° | 3080.9 | 3037.9 | 2954.7 | 2753.9 | 2412.5 | 2358.0 | 2260.4 | 2188.7 | 2183.0 | 2197.3 | 2274.8 |
| 15° | 3046.5 | 3006.4 | 2908.8 | 2593.3 | 2292.0 | 2251.8 | 2183.0 | 2157.2 | 2188.7 | 2289.1 | 2521.5 |
| 17.5° | 3012.1 | 2966.2 | 2845.7 | 2435.4 | 2200.2 | 2171.5 | 2122.7 | 2174.4 | 2352.2 | 2487.1 | 2564.6 |
| 20° | 2966.2 | 2911.7 | 2774.0 | 2320.7 | 2134.2 | 2108.4 | 2085.5 | 2317.8 | 2452.6 | 2501.4 | 2544.5 |
| 22.5° | 2911.7 | 2854.3 | 2676.5 | 2240.4 | 2065.4 | 2045.3 | 2059.6 | 2398.1 | 2452.6 | 2487.1 | 2524.3 |
| 25° | 2840.0 | 2791.2 | 2561.7 | 2177.3 | 2010.9 | 1987.9 | 2042.4 | 2389.5 | 2421.1 | 2429.7 | 2504.3 |
| 27.5° | 2774.0 | 2710.9 | 2441.2 | 2119.9 | 1944.9 | 1936.3 | 2056.8 | 2352.2 | 2375.2 | 2383.8 | 2464.1 |
| 30° | 2693.7 | 2599.0 | 2306.3 | 2059.6 | 1876.1 | 1873.2 | 2059.6 | 2306.3 | 2300.6 | 2323.5 | 2403.9 |
| 32.5° | 2610.5 | 2432.6 | 2154.3 | 1985.1 | 1810.1 | 1807.2 | 2039.6 | 2237.5 | 2231.8 | 2263.3 | 2323.5 |
| 35° | 2533.1 | 2303.5 | 1947.8 | 1899.0 | 1726.9 | 1729.8 | 1990.8 | 2157.2 | 2160.0 | 2188.7 | 2226.0 |
| 37.5° | 2452.6 | 2191.6 | 1721.1 | 1804.3 | 1646.6 | 1646.6 | 1924.8 | 2082.6 | 2076.9 | 2085.5 | 2137.1 |
| 40° | 2358.0 | 2016.6 | 1520.3 | 1681.0 | 1572.0 | 1563.4 | 1844.5 | 2002.3 | 1982.2 | 1979.3 | 2051.0 |
| 42.5° | 2257.6 | 1824.4 | 1371.2 | 1517.5 | 1485.9 | 1474.4 | 1747.0 | 1904.7 | 1867.4 | 1876.1 | 1967.8 |
| 45° | 2148.6 | 1772.8 | 1256.4 | 1282.3 | 1397.0 | 1388.4 | 1640.8 | 1792.9 | 1767.0 | 1790.0 | 1884.7 |
| 47.5° | 2039.6 | 1669.5 | 1219.1 | 1064.2 | 1302.3 | 1299.5 | 1523.2 | 1683.9 | 1669.5 | 1692.5 | 1792.9 |
| 50° | 1890.4 | 1554.8 | 1216.3 | 912.2 | 1196.2 | 1207.7 | 1382.7 | 1577.7 | 1577.7 | 1597.8 | 1703.9 |
| 52.5° | 1698.2 | 1414.2 | 1104.4 | 826.2 | 1072.8 | 1107.3 | 1259.3 | 1485.9 | 1491.7 | 1511.7 | 1606.4 |
| 55° | 1523.2 | 1267.9 | 1024.1 | 760.2 | 926.6 | 1001.1 | 1138.8 | 1391.3 | 1402.7 | 1422.8 | 1508.9 |
| 57.5° | 1362.6 | 1055.6 | 1006.9 | 682.7 | 791.7 | 863.4 | 1032.7 | 1299.5 | 1305.2 | 1322.4 | 1405.6 |
| 60° | 1190.5 | 763.0 | 923.7 | 599.5 | 674.1 | 728.6 | 935.2 | 1190.5 | 1210.5 | 1222.0 | 1293.7 |
| 62.5° | 995.4 | 553.6 | 837.6 | 542.2 | 616.7 | 628.2 | 854.8 | 1087.2 | 1113.0 | 1121.6 | 1164.6 |
| 65° | 708.5 | 464.7 | 711.4 | 493.4 | 556.5 | 559.4 | 768.8 | 981.1 | 1004.0 | 1018.3 | 1049.9 |
| 67.5° | 479.1 | 378.7 | 542.2 | 447.5 | 510.6 | 513.5 | 685.6 | 857.7 | 889.3 | 900.7 | 920.8 |
| 70° | 332.8 | 252.4 | 401.6 | 398.7 | 459.0 | 464.7 | 596.7 | 745.8 | 774.5 | 783.1 | 794.6 |
| 72.5° | 243.8 | 203.7 | 332.8 | 358.6 | 404.5 | 410.2 | 504.9 | 619.6 | 648.3 | 656.9 | 662.6 |
| 75° | 186.5 | 215.1 | 269.6 | 312.7 | 344.2 | 347.1 | 413.1 | 504.9 | 524.9 | 530.7 | 533.6 |
| 77.5° | 149.2 | 200.8 | 197.9 | 252.4 | 281.1 | 275.4 | 324.1 | 390.1 | 407.3 | 407.3 | 407.3 |
| 80° | 111.9 | 157.8 | 149.2 | 180.7 | 206.5 | 200.8 | 232.4 | 278.3 | 284.0 | 289.7 | 286.9 |
| 82.5° | 83.2 | 100.4 | 100.4 | 114.7 | 137.7 | 132.0 | 154.9 | 180.7 | 180.7 | 180.7 | 186.5 |
| 85° | 51.6 | 57.4 | 45.9 | 60.2 | 77.5 | 74.6 | 86.1 | 97.5 | 100.4 | 100.4 | 94.7 |
| 87.5° | 31.6 | 25.8 | 14.3 | 22.9 | 34.4 | 34.4 | 40.2 | 43.0 | 40.2 | 40.2 | 40.2 |
| 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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-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: P934330
 CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 |
| 2.5° | 2926.0 | 2917.4 | 2928.9 | 2897.4 | 2928.9 | 2917.4 | 2926.0 | 2946.1 | 2928.9 | 2940.4 | 2951.9 |
| 5° | 2567.5 | 2553.1 | 2507.1 | 2469.8 | 2507.1 | 2553.1 | 2567.5 | 2627.7 | 2656.4 | 2708.0 | 2776.9 |
| 7.5° | 2294.9 | 2283.4 | 2271.9 | 2249.0 | 2271.9 | 2283.4 | 2294.9 | 2312.1 | 2340.8 | 2386.7 | 2438.3 |
| 10° | 2234.6 | 2237.5 | 2254.7 | 2251.8 | 2254.7 | 2237.5 | 2234.6 | 2228.9 | 2220.3 | 2228.9 | 2260.4 |
| 12.5° | 2389.5 | 2415.3 | 2510.0 | 2504.3 | 2510.0 | 2415.3 | 2389.5 | 2274.8 | 2197.3 | 2183.0 | 2188.7 |
| 15° | 2567.5 | 2576.1 | 2596.2 | 2599.0 | 2596.2 | 2576.1 | 2567.5 | 2521.5 | 2289.1 | 2188.7 | 2157.2 |
| 17.5° | 2584.7 | 2587.6 | 2601.9 | 2601.9 | 2601.9 | 2587.6 | 2584.7 | 2564.6 | 2487.1 | 2352.2 | 2174.4 |
| 20° | 2570.3 | 2576.1 | 2604.8 | 2610.5 | 2604.8 | 2576.1 | 2570.3 | 2544.5 | 2501.4 | 2452.6 | 2317.8 |
| 22.5° | 2564.6 | 2576.1 | 2599.0 | 2596.2 | 2599.0 | 2576.1 | 2564.6 | 2524.3 | 2487.1 | 2452.6 | 2398.1 |
| 25° | 2535.9 | 2535.9 | 2538.8 | 2541.7 | 2538.8 | 2535.9 | 2535.9 | 2504.3 | 2429.7 | 2421.1 | 2389.5 |
| 27.5° | 2475.6 | 2481.3 | 2498.5 | 2495.7 | 2498.5 | 2481.3 | 2475.6 | 2464.1 | 2383.8 | 2375.2 | 2352.2 |
| 30° | 2421.1 | 2415.3 | 2401.0 | 2389.5 | 2401.0 | 2415.3 | 2421.1 | 2403.9 | 2323.5 | 2300.6 | 2306.3 |
| 32.5° | 2329.3 | 2314.9 | 2300.6 | 2292.0 | 2300.6 | 2314.9 | 2329.3 | 2323.5 | 2263.3 | 2231.8 | 2237.5 |
| 35° | 2220.3 | 2223.1 | 2220.3 | 2211.7 | 2220.3 | 2223.1 | 2220.3 | 2226.0 | 2188.7 | 2160.0 | 2157.2 |
| 37.5° | 2142.8 | 2148.6 | 2145.7 | 2134.2 | 2145.7 | 2148.6 | 2142.8 | 2137.1 | 2085.5 | 2076.9 | 2082.6 |
| 40° | 2062.5 | 2065.4 | 2062.5 | 2053.9 | 2062.5 | 2065.4 | 2062.5 | 2051.0 | 1979.3 | 1982.2 | 2002.3 |
| 42.5° | 1985.1 | 1982.2 | 1973.6 | 1967.8 | 1973.6 | 1982.2 | 1985.1 | 1967.8 | 1876.1 | 1867.4 | 1904.7 |
| 45° | 1896.1 | 1899.0 | 1881.8 | 1873.2 | 1881.8 | 1899.0 | 1896.1 | 1884.7 | 1790.0 | 1767.0 | 1792.9 |
| 47.5° | 1807.2 | 1807.2 | 1792.9 | 1784.3 | 1792.9 | 1807.2 | 1807.2 | 1792.9 | 1692.5 | 1669.5 | 1683.9 |
| 50° | 1712.5 | 1709.7 | 1689.6 | 1686.7 | 1689.6 | 1709.7 | 1712.5 | 1703.9 | 1597.8 | 1577.7 | 1577.7 |
| 52.5° | 1603.5 | 1603.5 | 1606.4 | 1612.1 | 1606.4 | 1603.5 | 1603.5 | 1606.4 | 1511.7 | 1491.7 | 1485.9 |
| 55° | 1508.9 | 1511.7 | 1531.8 | 1537.6 | 1531.8 | 1511.7 | 1508.9 | 1508.9 | 1422.8 | 1402.7 | 1391.3 |
| 57.5° | 1411.3 | 1411.3 | 1425.7 | 1425.7 | 1425.7 | 1411.3 | 1411.3 | 1405.6 | 1322.4 | 1305.2 | 1299.5 |
| 60° | 1299.5 | 1305.2 | 1316.7 | 1313.8 | 1316.7 | 1305.2 | 1299.5 | 1293.7 | 1222.0 | 1210.5 | 1190.5 |
| 62.5° | 1181.9 | 1187.6 | 1190.5 | 1184.7 | 1190.5 | 1187.6 | 1181.9 | 1164.6 | 1121.6 | 1113.0 | 1087.2 |
| 65° | 1058.5 | 1064.2 | 1067.1 | 1061.4 | 1067.1 | 1064.2 | 1058.5 | 1049.9 | 1018.3 | 1004.0 | 981.1 |
| 67.5° | 932.3 | 929.4 | 926.6 | 938.0 | 926.6 | 929.4 | 932.3 | 920.8 | 900.7 | 889.3 | 857.7 |
| 70° | 803.2 | 803.2 | 800.3 | 806.1 | 800.3 | 803.2 | 803.2 | 794.6 | 783.1 | 774.5 | 745.8 |
| 72.5° | 665.5 | 662.6 | 674.1 | 665.5 | 674.1 | 662.6 | 665.5 | 662.6 | 656.9 | 648.3 | 619.6 |
| 75° | 530.7 | 536.4 | 530.7 | 539.3 | 530.7 | 536.4 | 530.7 | 533.6 | 530.7 | 524.9 | 504.9 |
| 77.5° | 404.5 | 410.2 | 404.5 | 404.5 | 404.5 | 410.2 | 404.5 | 407.3 | 407.3 | 407.3 | 390.1 |
| 80° | 286.9 | 284.0 | 284.0 | 281.1 | 284.0 | 284.0 | 286.9 | 286.9 | 289.7 | 284.0 | 278.3 |
| 82.5° | 183.6 | 180.7 | 180.7 | 186.5 | 180.7 | 180.7 | 183.6 | 186.5 | 180.7 | 180.7 | 180.7 |
| 85° | 100.4 | 103.3 | 97.5 | 97.5 | 97.5 | 103.3 | 100.4 | 94.7 | 100.4 | 100.4 | 97.5 |
| 87.5° | 37.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 37.3 | 40.2 | 40.2 | 40.2 | 43.0 |
| 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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 3032.2 | 3032.2 | 3032.2 | 3032.2 | 3032.2 |
| 2.5° | 2994.9 | 3009.2 | 3017.8 | 3029.3 | 3058.0 |
| 5° | 2880.1 | 2934.7 | 2951.9 | 2994.9 | 3046.5 |
| 7.5° | 2627.7 | 2794.1 | 2840.0 | 2943.3 | 3023.6 |
| 10° | 2383.8 | 2550.3 | 2630.6 | 2874.4 | 2994.9 |
| 12.5° | 2260.4 | 2358.0 | 2412.5 | 2753.9 | 2954.7 |
| 15° | 2183.0 | 2251.8 | 2292.0 | 2593.3 | 2908.8 |
| 17.5° | 2122.7 | 2171.5 | 2200.2 | 2435.4 | 2845.7 |
| 20° | 2085.5 | 2108.4 | 2134.2 | 2320.7 | 2774.0 |
| 22.5° | 2059.6 | 2045.3 | 2065.4 | 2240.4 | 2676.5 |
| 25° | 2042.4 | 1987.9 | 2010.9 | 2177.3 | 2561.7 |
| 27.5° | 2056.8 | 1936.3 | 1944.9 | 2119.9 | 2441.2 |
| 30° | 2059.6 | 1873.2 | 1876.1 | 2059.6 | 2306.3 |
| 32.5° | 2039.6 | 1807.2 | 1810.1 | 1985.1 | 2154.3 |
| 35° | 1990.8 | 1729.8 | 1726.9 | 1899.0 | 1947.8 |
| 37.5° | 1924.8 | 1646.6 | 1646.6 | 1804.3 | 1721.1 |
| 40° | 1844.5 | 1563.4 | 1572.0 | 1681.0 | 1520.3 |
| 42.5° | 1747.0 | 1474.4 | 1485.9 | 1517.5 | 1371.2 |
| 45° | 1640.8 | 1388.4 | 1397.0 | 1282.3 | 1256.4 |
| 47.5° | 1523.2 | 1299.5 | 1302.3 | 1064.2 | 1219.1 |
| 50° | 1382.7 | 1207.7 | 1196.2 | 912.2 | 1216.3 |
| 52.5° | 1259.3 | 1107.3 | 1072.8 | 826.2 | 1104.4 |
| 55° | 1138.8 | 1001.1 | 926.6 | 760.2 | 1024.1 |
| 57.5° | 1032.7 | 863.4 | 791.7 | 682.7 | 1006.9 |
| 60° | 935.2 | 728.6 | 674.1 | 599.5 | 923.7 |
| 62.5° | 854.8 | 628.2 | 616.7 | 542.2 | 837.6 |
| 65° | 768.8 | 559.4 | 556.5 | 493.4 | 711.4 |
| 67.5° | 685.6 | 513.5 | 510.6 | 447.5 | 542.2 |
| 70° | 596.7 | 464.7 | 459.0 | 398.7 | 401.6 |
| 72.5° | 504.9 | 410.2 | 404.5 | 358.6 | 332.8 |
| 75° | 413.1 | 347.1 | 344.2 | 312.7 | 269.6 |
| 77.5° | 324.1 | 275.4 | 281.1 | 252.4 | 197.9 |
| 80° | 232.4 | 200.8 | 206.5 | 180.7 | 149.2 |
| 82.5° | 154.9 | 132.0 | 137.7 | 114.7 | 100.4 |
| 85° | 86.1 | 74.6 | 77.5 | 60.2 | 45.9 |
| 87.5° | 40.2 | 34.4 | 34.4 | 22.9 | 14.3 |
| 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: P934330

CATALOG NUMBER: SQ4-FA-050U-075D-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: P934330
 CATALOG NUMBER: SQ4-FA-050U-075D-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 | 13.29 | 14.23 | 14.18 | 15.14 | 16.29 | 16.14 | 17.08 | 17.03 | 17.99 | 19.14 |
| | 3H | 13.77 | 14.61 | 14.67 | 15.53 | 16.71 | 17.50 | 18.34 | 18.40 | 19.26 | 20.44 |
| | 4H | 13.97 | 14.76 | 14.88 | 15.68 | 16.87 | 17.95 | 18.75 | 18.87 | 19.67 | 20.86 |
| | 6H | 14.09 | 14.82 | 15.02 | 15.75 | 16.95 | 18.25 | 18.98 | 19.17 | 19.91 | 21.11 |
| | 8H | 14.09 | 14.79 | 15.03 | 15.74 | 16.94 | 18.33 | 19.02 | 19.26 | 19.97 | 21.17 |
| | 12H | 14.07 | 14.73 | 15.01 | 15.67 | 16.90 | 18.37 | 19.03 | 19.31 | 19.97 | 21.20 |
| 4H | 2H | 14.34 | 15.13 | 15.26 | 16.05 | 17.24 | 16.56 | 17.35 | 17.48 | 18.28 | 19.46 |
| | 3H | 15.37 | 16.03 | 16.30 | 16.99 | 18.19 | 18.08 | 18.74 | 19.01 | 19.69 | 20.90 |
| | 4H | 15.65 | 16.26 | 16.59 | 17.20 | 18.43 | 18.61 | 19.22 | 19.55 | 20.17 | 21.39 |
| | 6H | 15.78 | 16.30 | 16.73 | 17.27 | 18.50 | 18.99 | 19.51 | 19.94 | 20.48 | 21.71 |
| | 8H | 15.79 | 16.27 | 16.74 | 17.24 | 18.48 | 19.10 | 19.59 | 20.06 | 20.55 | 21.79 |
| | 12H | 15.76 | 16.20 | 16.73 | 17.18 | 18.43 | 19.17 | 19.60 | 20.14 | 20.59 | 21.83 |
| 8H | 4H | 16.11 | 16.60 | 17.07 | 17.57 | 18.81 | 18.74 | 19.23 | 19.70 | 20.20 | 21.44 |
| | 6H | 16.38 | 16.78 | 17.36 | 17.79 | 19.03 | 19.19 | 19.59 | 20.17 | 20.60 | 21.84 |
| | 8H | 16.42 | 16.78 | 17.41 | 17.77 | 19.03 | 19.35 | 19.70 | 20.34 | 20.70 | 21.96 |
| | 12H | 16.41 | 16.72 | 17.40 | 17.71 | 19.02 | 19.45 | 19.77 | 20.45 | 20.75 | 22.06 |
| 12H | 4H | 16.13 | 16.56 | 17.10 | 17.55 | 18.79 | 18.71 | 19.15 | 19.69 | 20.13 | 21.38 |
| | 6H | 16.44 | 16.80 | 17.43 | 17.79 | 19.05 | 19.19 | 19.54 | 20.18 | 20.54 | 21.80 |
| | 8H | 16.51 | 16.82 | 17.51 | 17.81 | 19.12 | 19.36 | 19.67 | 20.35 | 20.66 | 21.96 |