

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: P934563

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934563
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

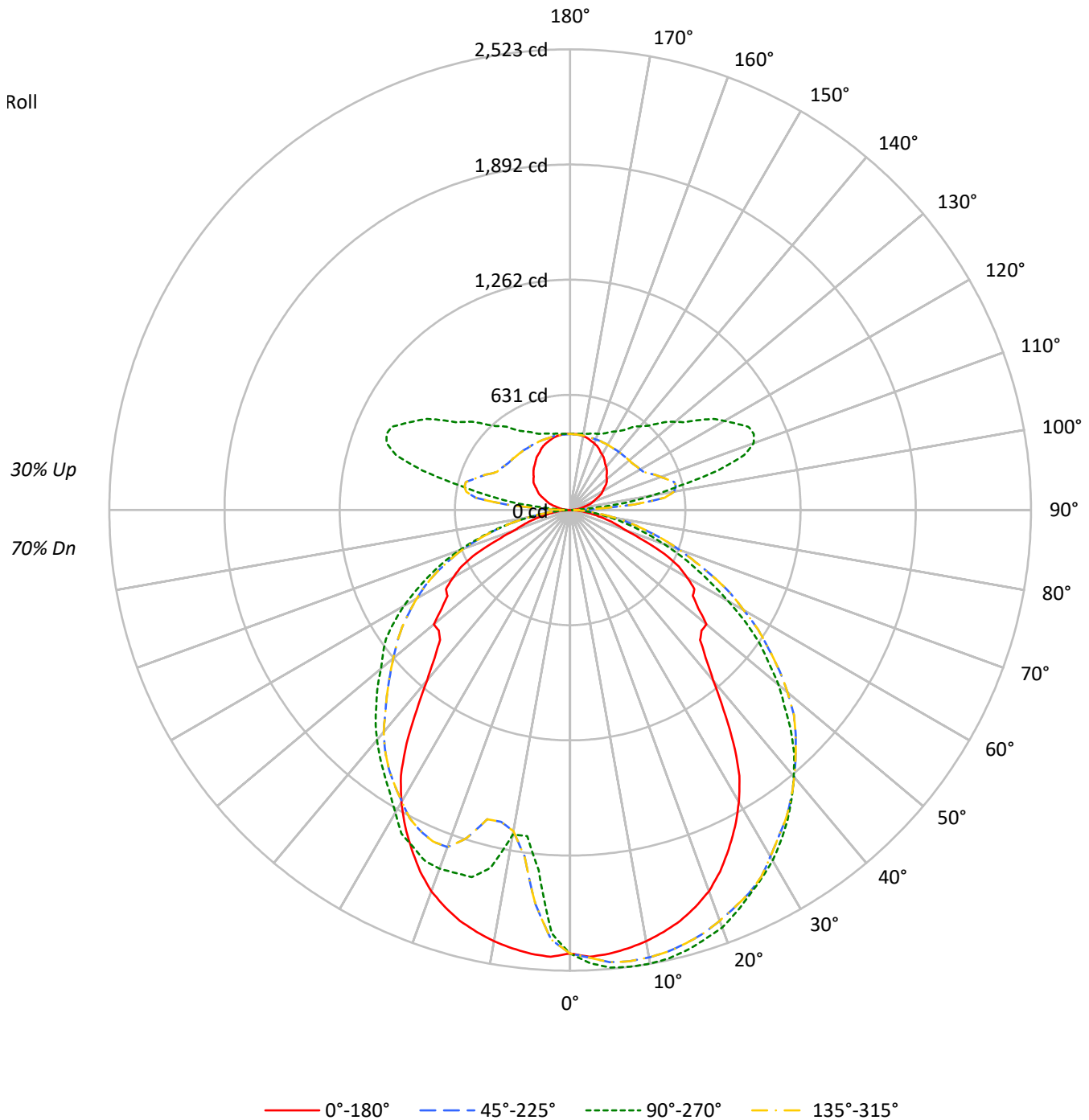
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9000.9 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84
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: P934563
CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

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 | 29 | 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° | 15022 | 15022 | 15022 | 15022 |
| 5° | 15129 | 15164 | 15129 | 11923 |
| 10° | 15022 | 14938 | 15022 | 10679 |
| 15° | 14853 | 14614 | 14853 | 12203 |
| 20° | 14537 | 14231 | 14537 | 12229 |
| 25° | 13895 | 13671 | 13895 | 11969 |
| 30° | 13068 | 13207 | 13068 | 11401 |
| 35° | 11645 | 12619 | 11645 | 10775 |
| 40° | 9697 | 11928 | 9697 | 10302 |
| 45° | 8659 | 11120 | 8659 | 9759 |
| 50° | 9192 | 10154 | 9192 | 9214 |
| 55° | 8640 | 9115 | 8640 | 8899 |
| 60° | 8896 | 7741 | 8896 | 8150 |
| 65° | 8053 | 6399 | 8053 | 7153 |
| 70° | 5562 | 5100 | 5562 | 5996 |
| 75° | 4860 | 3770 | 4860 | 4514 |
| 80° | 3890 | 2491 | 3890 | 2713 |
| 85° | 2188 | 1320 | 2188 | 1122 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13279 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 219.2 | 2.4 |
| 10°-20° | 622.4 | 6.9 |
| 20°-30° | 962.1 | 10.7 |
| 30°-40° | 1148.5 | 12.8 |
| 40°-50° | 1155.3 | 12.8 |
| 50°-60° | 1005.2 | 11.2 |
| 60°-70° | 712.7 | 7.9 |
| 70°-80° | 377.1 | 4.2 |
| 80°-90° | 95.5 | 1.1 |
| 90°-100° | 203.2 | 2.3 |
| 100°-110° | 534.4 | 5.9 |
| 110°-120° | 554.1 | 6.2 |
| 120°-130° | 444.4 | 4.9 |
| 130°-140° | 348.7 | 3.9 |
| 140°-150° | 267.7 | 3.0 |
| 150°-160° | 192.8 | 2.1 |
| 160°-170° | 117.9 | 1.3 |
| 170°-180° | 39.8 | 0.4 |
| 0°-30° | 1803.7 | 20.0 |
| 0°-40° | 2952.2 | 32.8 |
| 0°-60° | 5112.6 | 56.8 |
| 0°-90° | 6297.9 | 70.0 |
| 90°-120° | 1291.7 | 14.4 |
| 90°-150° | 2352.5 | 26.1 |
| 90°-180° | 2703.0 | 30.0 |
| 0°-180° | 9000.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2428 | 2428 | 2428 | 2428 | 2428 | |
| 5° | 2440 | 2516 | 2440 | 1978 | 2440 | 231 |
| 15° | 2330 | 2493 | 2330 | 2081 | 2330 | 655 |
| 25° | 2052 | 2325 | 2052 | 2036 | 2052 | 942 |
| 35° | 1560 | 2074 | 1560 | 1771 | 1560 | 965 |
| 45° | 1006 | 1709 | 1006 | 1500 | 1006 | 806 |
| 55° | 820 | 1261 | 820 | 1231 | 820 | 754 |
| 65° | 570 | 760 | 570 | 850 | 570 | 545 |
| 75° | 216 | 361 | 216 | 432 | 216 | 227 |
| 85° | 37 | 92 | 37 | 78 | 37 | 50 |
| 90° | 3 | 11 | 3 | 11 | 3 | 4 |
| 95° | 27 | 123 | 27 | 123 | 27 | 30 |
| 105° | 96 | 837 | 96 | 837 | 96 | 102 |
| 115° | 171 | 1077 | 171 | 1077 | 171 | 169 |
| 125° | 238 | 858 | 238 | 858 | 238 | 211 |
| 135° | 284 | 666 | 284 | 666 | 284 | 219 |
| 145° | 329 | 540 | 329 | 540 | 329 | 206 |
| 155° | 372 | 465 | 372 | 465 | 372 | 171 |
| 165° | 401 | 433 | 401 | 433 | 401 | 113 |
| 175° | 417 | 420 | 417 | 420 | 417 | 40 |
| 180° | 417 | 417 | 417 | 417 | 417 | |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 |
| 2.5° | 2449.0 | 2449.0 | 2462.9 | 2467.4 | 2467.4 | 2460.5 | 2453.6 | 2460.5 | 2481.2 | 2488.1 | 2485.8 |
| 5° | 2439.9 | 2458.2 | 2483.5 | 2488.1 | 2492.7 | 2490.4 | 2485.8 | 2490.4 | 2513.4 | 2518.0 | 2520.2 |
| 7.5° | 2421.5 | 2455.9 | 2488.1 | 2495.0 | 2501.9 | 2495.0 | 2492.7 | 2497.2 | 2520.2 | 2524.9 | 2524.9 |
| 10° | 2398.5 | 2446.7 | 2483.5 | 2488.1 | 2495.0 | 2488.1 | 2488.1 | 2497.2 | 2520.2 | 2524.9 | 2527.1 |
| 12.5° | 2366.4 | 2433.0 | 2467.4 | 2472.0 | 2481.2 | 2478.9 | 2476.6 | 2485.8 | 2508.7 | 2513.4 | 2513.4 |
| 15° | 2329.6 | 2407.6 | 2439.9 | 2444.5 | 2460.5 | 2455.9 | 2455.9 | 2465.1 | 2490.4 | 2497.2 | 2495.0 |
| 17.5° | 2279.0 | 2375.5 | 2412.3 | 2419.1 | 2430.6 | 2428.4 | 2430.6 | 2439.9 | 2462.9 | 2467.4 | 2469.7 |
| 20° | 2221.6 | 2331.9 | 2375.5 | 2382.4 | 2393.9 | 2393.9 | 2393.9 | 2405.4 | 2428.4 | 2437.5 | 2437.5 |
| 22.5° | 2143.5 | 2285.9 | 2331.9 | 2336.5 | 2350.3 | 2350.3 | 2354.9 | 2370.9 | 2391.6 | 2393.9 | 2393.9 |
| 25° | 2051.5 | 2235.4 | 2274.4 | 2288.2 | 2302.0 | 2308.9 | 2315.8 | 2325.0 | 2331.9 | 2329.6 | 2331.9 |
| 27.5° | 1955.1 | 2171.0 | 2221.6 | 2230.8 | 2249.1 | 2256.0 | 2265.3 | 2267.5 | 2269.9 | 2276.8 | 2272.1 |
| 30° | 1847.1 | 2081.4 | 2157.3 | 2166.4 | 2196.3 | 2200.9 | 2191.8 | 2196.3 | 2207.8 | 2212.4 | 2217.0 |
| 32.5° | 1725.3 | 1948.2 | 2090.7 | 2111.3 | 2138.9 | 2125.1 | 2122.8 | 2129.7 | 2148.0 | 2148.0 | 2152.7 |
| 35° | 1560.0 | 1844.8 | 2028.6 | 2047.0 | 2067.7 | 2051.5 | 2060.8 | 2063.0 | 2074.5 | 2081.4 | 2079.2 |
| 37.5° | 1378.5 | 1755.2 | 1964.3 | 1978.0 | 1994.2 | 1973.4 | 1987.3 | 1994.2 | 2003.3 | 1998.8 | 1998.8 |
| 40° | 1217.6 | 1615.1 | 1888.4 | 1897.7 | 1911.4 | 1895.3 | 1909.2 | 1913.8 | 1918.3 | 1913.8 | 1911.4 |
| 42.5° | 1098.1 | 1461.1 | 1808.1 | 1819.6 | 1810.3 | 1821.8 | 1826.4 | 1835.7 | 1828.7 | 1819.6 | 1819.6 |
| 45° | 1006.3 | 1419.8 | 1720.7 | 1734.6 | 1720.7 | 1739.2 | 1746.1 | 1746.1 | 1725.3 | 1720.7 | 1718.4 |
| 47.5° | 976.4 | 1337.1 | 1633.5 | 1633.5 | 1626.6 | 1649.6 | 1661.1 | 1644.9 | 1624.2 | 1617.3 | 1617.3 |
| 50° | 974.1 | 1245.2 | 1514.0 | 1504.8 | 1537.0 | 1564.6 | 1553.1 | 1537.0 | 1520.9 | 1495.6 | 1495.6 |
| 52.5° | 884.5 | 1132.6 | 1360.1 | 1394.5 | 1445.1 | 1461.1 | 1442.7 | 1426.7 | 1399.1 | 1387.6 | 1378.5 |
| 55° | 820.2 | 1015.4 | 1219.9 | 1288.9 | 1341.7 | 1362.4 | 1327.9 | 1311.8 | 1270.5 | 1263.6 | 1259.0 |
| 57.5° | 806.4 | 845.4 | 1091.3 | 1178.6 | 1242.9 | 1240.6 | 1219.9 | 1190.0 | 1155.6 | 1148.7 | 1146.4 |
| 60° | 739.8 | 611.1 | 953.4 | 1056.8 | 1123.4 | 1116.5 | 1098.1 | 1070.6 | 1038.4 | 1033.9 | 1029.3 |
| 62.5° | 670.8 | 443.4 | 797.2 | 914.4 | 1008.5 | 1006.3 | 990.2 | 948.8 | 925.9 | 914.4 | 905.2 |
| 65° | 569.8 | 372.2 | 567.4 | 760.4 | 896.0 | 900.5 | 866.1 | 836.3 | 811.0 | 797.2 | 794.9 |
| 67.5° | 434.2 | 303.2 | 383.7 | 634.1 | 788.0 | 783.4 | 739.8 | 725.9 | 693.8 | 686.9 | 673.2 |
| 70° | 321.6 | 202.2 | 266.5 | 514.6 | 682.3 | 670.8 | 636.4 | 620.3 | 590.4 | 574.3 | 565.2 |
| 72.5° | 266.5 | 163.1 | 195.2 | 399.7 | 574.3 | 560.6 | 530.7 | 512.3 | 487.1 | 473.3 | 464.1 |
| 75° | 216.0 | 172.3 | 149.4 | 296.3 | 466.3 | 457.2 | 429.6 | 411.2 | 390.6 | 372.2 | 374.5 |
| 77.5° | 158.5 | 160.8 | 119.5 | 218.2 | 369.8 | 356.1 | 340.0 | 317.1 | 307.8 | 289.5 | 289.5 |
| 80° | 119.5 | 126.4 | 89.6 | 149.4 | 266.5 | 266.5 | 252.7 | 236.6 | 220.6 | 211.4 | 211.4 |
| 82.5° | 80.4 | 80.4 | 66.6 | 94.2 | 181.5 | 174.6 | 165.4 | 160.8 | 151.6 | 147.0 | 147.0 |
| 85° | 36.7 | 46.0 | 41.4 | 57.5 | 98.8 | 103.4 | 103.4 | 98.8 | 96.5 | 91.9 | 94.2 |
| 87.5° | 11.5 | 20.6 | 25.3 | 32.1 | 50.5 | 52.9 | 55.1 | 55.1 | 55.1 | 57.5 | 57.5 |
| 90° | 2.8 | 5.1 | 7.3 | 7.9 | 12.3 | 18.3 | 21.3 | 18.9 | 14.1 | 10.6 | 10.6 |
| 92.5° | 11.2 | 30.2 | 49.2 | 54.0 | 75.9 | 105.2 | 119.8 | 104.9 | 75.3 | 53.1 | 51.1 |
| 95° | 26.9 | 61.6 | 96.5 | 105.2 | 186.8 | 295.7 | 350.1 | 312.5 | 237.1 | 180.5 | 174.1 |
| 97.5° | 46.4 | 77.2 | 107.9 | 115.6 | 251.7 | 433.2 | 523.9 | 500.1 | 452.4 | 416.6 | 404.4 |
| 100° | 61.6 | 89.4 | 117.3 | 124.3 | 275.3 | 476.7 | 577.3 | 579.0 | 582.6 | 585.2 | 570.7 |
| 102.5° | 74.4 | 100.5 | 126.5 | 133.0 | 286.1 | 490.3 | 592.4 | 622.8 | 683.5 | 729.0 | 716.6 |
| 105° | 96.3 | 118.3 | 140.3 | 145.8 | 294.1 | 491.9 | 590.7 | 658.8 | 794.8 | 896.9 | 890.2 |
| 107.5° | 118.7 | 139.2 | 159.7 | 164.8 | 295.6 | 470.0 | 557.1 | 652.0 | 841.8 | 984.2 | 985.8 |
| 110° | 133.8 | 152.2 | 170.8 | 175.4 | 293.4 | 450.6 | 529.2 | 635.2 | 847.5 | 1006.6 | 1013.6 |



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CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 148.6 | 166.3 | 183.9 | 188.4 | 293.5 | 433.7 | 503.7 | 612.3 | 829.5 | 992.3 | 1003.0 |
| 115° | 171.0 | 187.3 | 203.6 | 207.6 | 296.2 | 414.2 | 473.2 | 577.9 | 787.0 | 943.9 | 958.7 |
| 117.5° | 193.1 | 207.9 | 222.7 | 226.4 | 301.7 | 402.1 | 452.2 | 546.6 | 735.4 | 877.0 | 893.5 |
| 120° | 205.9 | 219.9 | 233.8 | 237.3 | 306.1 | 397.9 | 443.8 | 530.1 | 702.6 | 831.9 | 848.0 |
| 122.5° | 218.6 | 232.6 | 246.7 | 250.2 | 312.6 | 395.7 | 437.4 | 515.0 | 670.5 | 786.9 | 802.7 |
| 125° | 237.9 | 250.6 | 263.5 | 266.7 | 321.2 | 394.0 | 430.4 | 496.4 | 628.4 | 727.3 | 741.8 |
| 127.5° | 253.5 | 266.5 | 279.4 | 282.7 | 329.9 | 393.0 | 424.5 | 481.2 | 594.4 | 679.4 | 691.6 |
| 130° | 262.0 | 275.9 | 289.8 | 293.3 | 336.3 | 393.6 | 422.3 | 472.7 | 573.6 | 649.3 | 660.6 |
| 132.5° | 270.6 | 284.6 | 298.5 | 302.0 | 341.4 | 394.0 | 420.4 | 465.5 | 555.8 | 623.5 | 633.6 |
| 135° | 283.5 | 296.2 | 308.8 | 312.0 | 347.0 | 393.7 | 417.0 | 454.8 | 530.4 | 587.1 | 595.9 |
| 137.5° | 296.6 | 309.2 | 321.7 | 324.9 | 355.4 | 396.0 | 416.4 | 448.3 | 512.2 | 560.2 | 567.4 |
| 140° | 307.6 | 319.2 | 330.7 | 333.6 | 360.5 | 396.5 | 414.5 | 442.1 | 497.3 | 538.7 | 545.4 |
| 142.5° | 315.9 | 326.6 | 337.3 | 340.0 | 364.8 | 397.9 | 414.5 | 438.7 | 487.2 | 523.5 | 529.3 |
| 145° | 328.8 | 338.2 | 347.5 | 349.8 | 370.5 | 397.9 | 411.7 | 431.5 | 471.1 | 500.9 | 505.3 |
| 147.5° | 341.7 | 350.7 | 359.9 | 362.2 | 378.6 | 400.6 | 411.7 | 427.2 | 458.5 | 481.9 | 485.5 |
| 150° | 350.1 | 358.4 | 366.5 | 368.6 | 383.0 | 402.1 | 411.7 | 424.9 | 451.2 | 471.0 | 473.9 |
| 152.5° | 358.7 | 365.0 | 371.2 | 372.7 | 385.7 | 403.0 | 411.7 | 422.9 | 445.4 | 462.3 | 464.4 |
| 155° | 371.7 | 376.3 | 380.8 | 382.0 | 391.8 | 405.1 | 411.7 | 420.6 | 438.6 | 451.9 | 453.4 |
| 157.5° | 381.2 | 385.6 | 390.1 | 391.2 | 398.0 | 407.1 | 411.7 | 418.6 | 432.6 | 443.0 | 444.0 |
| 160° | 387.6 | 391.0 | 394.5 | 395.4 | 400.8 | 408.0 | 411.7 | 417.6 | 429.6 | 438.6 | 439.1 |
| 162.5° | 394.0 | 396.6 | 399.3 | 399.9 | 403.8 | 409.0 | 411.7 | 416.7 | 426.8 | 434.3 | 434.8 |
| 165° | 401.0 | 403.3 | 405.7 | 406.3 | 408.1 | 410.5 | 411.7 | 415.3 | 422.4 | 427.9 | 428.5 |
| 167.5° | 407.4 | 408.5 | 409.7 | 409.9 | 411.5 | 413.5 | 414.5 | 416.8 | 421.5 | 425.1 | 425.3 |
| 170° | 411.7 | 412.8 | 413.9 | 414.2 | 414.3 | 414.4 | 414.5 | 416.8 | 421.5 | 425.1 | 425.1 |
| 172.5° | 413.9 | 414.2 | 414.4 | 414.5 | 414.5 | 414.5 | 414.5 | 416.3 | 420.0 | 422.8 | 422.6 |
| 175° | 417.0 | 417.0 | 417.0 | 417.0 | 416.2 | 415.0 | 414.5 | 415.6 | 418.0 | 419.7 | 419.7 |
| 177.5° | 417.0 | 417.0 | 417.0 | 417.0 | 416.4 | 415.5 | 415.0 | 415.9 | 417.8 | 419.2 | 418.9 |
| 180° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-400K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 |
| 2.5° | 2490.4 | 2483.5 | 2490.4 | 2485.8 | 2488.1 | 2481.2 | 2460.5 | 2453.6 | 2460.5 | 2467.4 | 2467.4 |
| 5° | 2520.2 | 2515.6 | 2520.2 | 2520.2 | 2518.0 | 2513.4 | 2490.4 | 2485.8 | 2490.4 | 2492.7 | 2488.1 |
| 7.5° | 2529.5 | 2522.6 | 2529.5 | 2524.9 | 2524.9 | 2520.2 | 2497.2 | 2492.7 | 2495.0 | 2501.9 | 2495.0 |
| 10° | 2529.5 | 2522.6 | 2529.5 | 2527.1 | 2524.9 | 2520.2 | 2497.2 | 2488.1 | 2488.1 | 2495.0 | 2488.1 |
| 12.5° | 2518.0 | 2513.4 | 2518.0 | 2513.4 | 2513.4 | 2508.7 | 2485.8 | 2476.6 | 2478.9 | 2481.2 | 2472.0 |
| 15° | 2499.6 | 2492.7 | 2499.6 | 2495.0 | 2497.2 | 2490.4 | 2465.1 | 2455.9 | 2455.9 | 2460.5 | 2444.5 |
| 17.5° | 2472.0 | 2462.9 | 2472.0 | 2469.7 | 2467.4 | 2462.9 | 2439.9 | 2430.6 | 2428.4 | 2430.6 | 2419.1 |
| 20° | 2439.9 | 2433.0 | 2439.9 | 2437.5 | 2437.5 | 2428.4 | 2405.4 | 2393.9 | 2393.9 | 2393.9 | 2382.4 |
| 22.5° | 2389.3 | 2382.4 | 2389.3 | 2393.9 | 2393.9 | 2391.6 | 2370.9 | 2354.9 | 2350.3 | 2350.3 | 2336.5 |
| 25° | 2331.9 | 2325.0 | 2331.9 | 2331.9 | 2329.6 | 2331.9 | 2325.0 | 2315.8 | 2308.9 | 2302.0 | 2288.2 |
| 27.5° | 2276.8 | 2272.1 | 2276.8 | 2272.1 | 2276.8 | 2269.9 | 2267.5 | 2265.3 | 2256.0 | 2249.1 | 2230.8 |
| 30° | 2221.6 | 2217.0 | 2221.6 | 2217.0 | 2212.4 | 2207.8 | 2196.3 | 2191.8 | 2200.9 | 2196.3 | 2166.4 |
| 32.5° | 2152.7 | 2148.0 | 2152.7 | 2152.7 | 2148.0 | 2148.0 | 2129.7 | 2122.8 | 2125.1 | 2138.9 | 2111.3 |
| 35° | 2081.4 | 2074.5 | 2081.4 | 2079.2 | 2081.4 | 2074.5 | 2063.0 | 2060.8 | 2051.5 | 2067.7 | 2047.0 |
| 37.5° | 1998.8 | 1991.8 | 1998.8 | 1998.8 | 1998.8 | 2003.3 | 1994.2 | 1987.3 | 1973.4 | 1994.2 | 1978.0 |
| 40° | 1913.8 | 1904.5 | 1913.8 | 1911.4 | 1913.8 | 1918.3 | 1913.8 | 1909.2 | 1895.3 | 1911.4 | 1897.7 |
| 42.5° | 1817.3 | 1814.9 | 1817.3 | 1819.6 | 1819.6 | 1828.7 | 1835.7 | 1826.4 | 1821.8 | 1810.3 | 1819.6 |
| 45° | 1713.8 | 1709.3 | 1713.8 | 1718.4 | 1720.7 | 1725.3 | 1746.1 | 1746.1 | 1739.2 | 1720.7 | 1734.6 |
| 47.5° | 1603.6 | 1592.1 | 1603.6 | 1617.3 | 1617.3 | 1624.2 | 1644.9 | 1661.1 | 1649.6 | 1626.6 | 1633.5 |
| 50° | 1486.5 | 1488.7 | 1486.5 | 1495.6 | 1495.6 | 1520.9 | 1537.0 | 1553.1 | 1564.6 | 1537.0 | 1504.8 |
| 52.5° | 1371.6 | 1369.2 | 1371.6 | 1378.5 | 1387.6 | 1399.1 | 1426.7 | 1442.7 | 1461.1 | 1445.1 | 1394.5 |
| 55° | 1256.6 | 1261.3 | 1256.6 | 1259.0 | 1263.6 | 1270.5 | 1311.8 | 1327.9 | 1362.4 | 1341.7 | 1288.9 |
| 57.5° | 1141.8 | 1134.9 | 1141.8 | 1146.4 | 1148.7 | 1155.6 | 1190.0 | 1219.9 | 1240.6 | 1242.9 | 1178.6 |
| 60° | 1008.5 | 999.4 | 1008.5 | 1029.3 | 1033.9 | 1038.4 | 1070.6 | 1098.1 | 1116.5 | 1123.4 | 1056.8 |
| 62.5° | 891.4 | 875.3 | 891.4 | 905.2 | 914.4 | 925.9 | 948.8 | 990.2 | 1006.3 | 1008.5 | 914.4 |
| 65° | 767.3 | 760.4 | 767.3 | 794.9 | 797.2 | 811.0 | 836.3 | 866.1 | 900.5 | 896.0 | 760.4 |
| 67.5° | 654.8 | 654.8 | 654.8 | 673.2 | 686.9 | 693.8 | 725.9 | 739.8 | 783.4 | 788.0 | 634.1 |
| 70° | 551.3 | 549.1 | 551.3 | 565.2 | 574.3 | 590.4 | 620.3 | 636.4 | 670.8 | 682.3 | 514.6 |
| 72.5° | 452.6 | 450.3 | 452.6 | 464.1 | 473.3 | 487.1 | 512.3 | 530.7 | 560.6 | 574.3 | 399.7 |
| 75° | 365.3 | 360.7 | 365.3 | 374.5 | 372.2 | 390.6 | 411.2 | 429.6 | 457.2 | 466.3 | 296.3 |
| 77.5° | 280.3 | 280.3 | 280.3 | 289.5 | 289.5 | 307.8 | 317.1 | 340.0 | 356.1 | 369.8 | 218.2 |
| 80° | 209.1 | 206.7 | 209.1 | 211.4 | 211.4 | 220.6 | 236.6 | 252.7 | 266.5 | 266.5 | 149.4 |
| 82.5° | 147.0 | 142.5 | 147.0 | 147.0 | 147.0 | 151.6 | 160.8 | 165.4 | 174.6 | 181.5 | 94.2 |
| 85° | 91.9 | 91.9 | 91.9 | 94.2 | 91.9 | 96.5 | 98.8 | 103.4 | 103.4 | 98.8 | 57.5 |
| 87.5° | 59.7 | 57.5 | 59.7 | 57.5 | 57.5 | 55.1 | 55.1 | 55.1 | 52.9 | 50.5 | 32.1 |
| 90° | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 14.1 | 18.9 | 21.3 | 18.3 | 12.3 | 7.9 |
| 92.5° | 42.5 | 34.1 | 42.5 | 51.1 | 53.1 | 75.3 | 104.9 | 119.8 | 105.2 | 75.9 | 54.0 |
| 95° | 148.4 | 122.8 | 148.4 | 174.1 | 180.5 | 237.1 | 312.5 | 350.1 | 295.7 | 186.8 | 105.2 |
| 97.5° | 355.7 | 307.0 | 355.7 | 404.4 | 416.6 | 452.4 | 500.1 | 523.9 | 433.2 | 251.7 | 115.6 |
| 100° | 512.6 | 454.5 | 512.6 | 570.7 | 585.2 | 582.6 | 579.0 | 577.3 | 476.7 | 275.3 | 124.3 |
| 102.5° | 666.8 | 617.0 | 666.8 | 716.6 | 729.0 | 683.5 | 622.8 | 592.4 | 490.3 | 286.1 | 133.0 |
| 105° | 863.5 | 836.7 | 863.5 | 890.2 | 896.9 | 794.8 | 658.8 | 590.7 | 491.9 | 294.1 | 145.8 |
| 107.5° | 992.2 | 998.8 | 992.2 | 985.8 | 984.2 | 841.8 | 652.0 | 557.1 | 470.0 | 295.6 | 164.8 |
| 110° | 1041.4 | 1069.3 | 1041.4 | 1013.6 | 1006.6 | 847.5 | 635.2 | 529.2 | 450.6 | 293.4 | 175.4 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 1045.8 | 1088.5 | 1045.8 | 1003.0 | 992.3 | 829.5 | 612.3 | 503.7 | 433.7 | 293.5 | 188.4 |
| 115° | 1018.0 | 1077.4 | 1018.0 | 958.7 | 943.9 | 787.0 | 577.9 | 473.2 | 414.2 | 296.2 | 207.6 |
| 117.5° | 959.3 | 1025.1 | 959.3 | 893.5 | 877.0 | 735.4 | 546.6 | 452.2 | 402.1 | 301.7 | 226.4 |
| 120° | 911.9 | 975.9 | 911.9 | 848.0 | 831.9 | 702.6 | 530.1 | 443.8 | 397.9 | 306.1 | 237.3 |
| 122.5° | 865.8 | 928.8 | 865.8 | 802.7 | 786.9 | 670.5 | 515.0 | 437.4 | 395.7 | 312.6 | 250.2 |
| 125° | 799.9 | 858.0 | 799.9 | 741.8 | 727.3 | 628.4 | 496.4 | 430.4 | 394.0 | 321.2 | 266.7 |
| 127.5° | 740.7 | 789.8 | 740.7 | 691.6 | 679.4 | 594.4 | 481.2 | 424.5 | 393.0 | 329.9 | 282.7 |
| 130° | 705.8 | 751.1 | 705.8 | 660.6 | 649.3 | 573.6 | 472.7 | 422.3 | 393.6 | 336.3 | 293.3 |
| 132.5° | 674.2 | 714.7 | 674.2 | 633.6 | 623.5 | 555.8 | 465.5 | 420.4 | 394.0 | 341.4 | 302.0 |
| 135° | 630.8 | 665.7 | 630.8 | 595.9 | 587.1 | 530.4 | 454.8 | 417.0 | 393.7 | 347.0 | 312.0 |
| 137.5° | 596.0 | 624.7 | 596.0 | 567.4 | 560.2 | 512.2 | 448.3 | 416.4 | 396.0 | 355.4 | 324.9 |
| 140° | 572.1 | 598.9 | 572.1 | 545.4 | 538.7 | 497.3 | 442.1 | 414.5 | 396.5 | 360.5 | 333.6 |
| 142.5° | 552.3 | 575.3 | 552.3 | 529.3 | 523.5 | 487.2 | 438.7 | 414.5 | 397.9 | 364.8 | 340.0 |
| 145° | 522.7 | 540.1 | 522.7 | 505.3 | 500.9 | 471.1 | 431.5 | 411.7 | 397.9 | 370.5 | 349.8 |
| 147.5° | 499.9 | 514.3 | 499.9 | 485.5 | 481.9 | 458.5 | 427.2 | 411.7 | 400.6 | 378.6 | 362.2 |
| 150° | 485.6 | 497.3 | 485.6 | 473.9 | 471.0 | 451.2 | 424.9 | 411.7 | 402.1 | 383.0 | 368.6 |
| 152.5° | 473.3 | 482.2 | 473.3 | 464.4 | 462.3 | 445.4 | 422.9 | 411.7 | 403.0 | 385.7 | 372.7 |
| 155° | 459.3 | 465.1 | 459.3 | 453.4 | 451.9 | 438.6 | 420.6 | 411.7 | 405.1 | 391.8 | 382.0 |
| 157.5° | 448.1 | 452.2 | 448.1 | 444.0 | 443.0 | 432.6 | 418.6 | 411.7 | 407.1 | 398.0 | 391.2 |
| 160° | 441.4 | 443.8 | 441.4 | 439.1 | 438.6 | 429.6 | 417.6 | 411.7 | 408.0 | 400.8 | 395.4 |
| 162.5° | 437.1 | 439.4 | 437.1 | 434.8 | 434.3 | 426.8 | 416.7 | 411.7 | 409.0 | 403.8 | 399.9 |
| 165° | 430.9 | 433.2 | 430.9 | 428.5 | 427.9 | 422.4 | 415.3 | 411.7 | 410.5 | 408.1 | 406.3 |
| 167.5° | 426.3 | 427.3 | 426.3 | 425.3 | 425.1 | 421.5 | 416.8 | 414.5 | 413.5 | 411.5 | 409.9 |
| 170° | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 421.5 | 416.8 | 414.5 | 414.4 | 414.3 | 414.2 |
| 172.5° | 421.7 | 420.9 | 421.7 | 422.6 | 422.8 | 420.0 | 416.3 | 414.5 | 414.5 | 414.5 | 414.5 |
| 175° | 419.7 | 419.7 | 419.7 | 419.7 | 419.7 | 418.0 | 415.6 | 414.5 | 415.0 | 416.2 | 417.0 |
| 177.5° | 418.0 | 417.0 | 418.0 | 418.9 | 419.2 | 417.8 | 415.9 | 415.0 | 415.5 | 416.4 | 417.0 |
| 180° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 |
| 2.5° | 2462.9 | 2449.0 | 2449.0 | 2426.1 | 2416.9 | 2410.0 | 2398.5 | 2364.0 | 2354.9 | 2345.6 | 2359.4 |
| 5° | 2483.5 | 2458.2 | 2439.9 | 2398.5 | 2364.0 | 2350.3 | 2306.6 | 2223.9 | 2168.8 | 2127.4 | 2104.4 |
| 7.5° | 2488.1 | 2455.9 | 2421.5 | 2357.1 | 2274.4 | 2237.6 | 2104.4 | 1952.8 | 1911.4 | 1874.7 | 1851.7 |
| 10° | 2483.5 | 2446.7 | 2398.5 | 2302.0 | 2106.8 | 2042.4 | 1909.2 | 1810.3 | 1785.1 | 1778.2 | 1785.1 |
| 12.5° | 2467.4 | 2433.0 | 2366.4 | 2205.5 | 1932.2 | 1888.4 | 1810.3 | 1752.9 | 1748.3 | 1759.8 | 1821.8 |
| 15° | 2439.9 | 2407.6 | 2329.6 | 2076.9 | 1835.7 | 1803.4 | 1748.3 | 1727.7 | 1752.9 | 1833.3 | 2019.4 |
| 17.5° | 2412.3 | 2375.5 | 2279.0 | 1950.5 | 1762.1 | 1739.2 | 1700.1 | 1741.4 | 1883.9 | 1991.8 | 2053.9 |
| 20° | 2375.5 | 2331.9 | 2221.6 | 1858.6 | 1709.3 | 1688.6 | 1670.2 | 1856.3 | 1964.3 | 2003.3 | 2037.8 |
| 22.5° | 2331.9 | 2285.9 | 2143.5 | 1794.3 | 1654.1 | 1638.1 | 1649.6 | 1920.7 | 1964.3 | 1991.8 | 2021.7 |
| 25° | 2274.4 | 2235.4 | 2051.5 | 1743.7 | 1610.5 | 1592.1 | 1635.7 | 1913.8 | 1939.0 | 1945.9 | 2005.7 |
| 27.5° | 2221.6 | 2171.0 | 1955.1 | 1697.8 | 1557.6 | 1550.7 | 1647.2 | 1883.9 | 1902.3 | 1909.2 | 1973.4 |
| 30° | 2157.3 | 2081.4 | 1847.1 | 1649.6 | 1502.5 | 1500.2 | 1649.6 | 1847.1 | 1842.5 | 1860.9 | 1925.2 |
| 32.5° | 2090.7 | 1948.2 | 1725.3 | 1589.8 | 1449.7 | 1447.4 | 1633.5 | 1791.9 | 1787.4 | 1812.7 | 1860.9 |
| 35° | 2028.6 | 1844.8 | 1560.0 | 1520.9 | 1383.0 | 1385.3 | 1594.4 | 1727.7 | 1729.9 | 1752.9 | 1782.8 |
| 37.5° | 1964.3 | 1755.2 | 1378.5 | 1445.1 | 1318.7 | 1318.7 | 1541.6 | 1667.9 | 1663.3 | 1670.2 | 1711.6 |
| 40° | 1888.4 | 1615.1 | 1217.6 | 1346.2 | 1259.0 | 1252.1 | 1477.2 | 1603.6 | 1587.5 | 1585.2 | 1642.7 |
| 42.5° | 1808.1 | 1461.1 | 1098.1 | 1215.4 | 1190.0 | 1180.9 | 1399.1 | 1525.5 | 1495.6 | 1502.5 | 1576.0 |
| 45° | 1720.7 | 1419.8 | 1006.3 | 1026.9 | 1118.9 | 1111.9 | 1314.1 | 1435.9 | 1415.2 | 1433.6 | 1509.4 |
| 47.5° | 1633.5 | 1337.1 | 976.4 | 852.3 | 1043.0 | 1040.8 | 1219.9 | 1348.6 | 1337.1 | 1355.5 | 1435.9 |
| 50° | 1514.0 | 1245.2 | 974.1 | 730.6 | 958.0 | 967.2 | 1107.4 | 1263.6 | 1263.6 | 1279.6 | 1364.6 |
| 52.5° | 1360.1 | 1132.6 | 884.5 | 661.7 | 859.3 | 886.8 | 1008.5 | 1190.0 | 1194.6 | 1210.7 | 1286.5 |
| 55° | 1219.9 | 1015.4 | 820.2 | 608.8 | 742.1 | 801.8 | 912.0 | 1114.3 | 1123.4 | 1139.5 | 1208.4 |
| 57.5° | 1091.3 | 845.4 | 806.4 | 546.8 | 634.1 | 691.5 | 827.0 | 1040.8 | 1045.3 | 1059.1 | 1125.7 |
| 60° | 953.4 | 611.1 | 739.8 | 480.2 | 539.9 | 583.6 | 748.9 | 953.4 | 969.5 | 978.7 | 1036.1 |
| 62.5° | 797.2 | 443.4 | 670.8 | 434.2 | 493.9 | 503.1 | 684.7 | 870.7 | 891.4 | 898.3 | 932.8 |
| 65° | 567.4 | 372.2 | 569.8 | 395.2 | 445.7 | 448.0 | 615.7 | 785.7 | 804.1 | 815.6 | 840.9 |
| 67.5° | 383.7 | 303.2 | 434.2 | 358.4 | 409.0 | 411.2 | 549.1 | 686.9 | 712.2 | 721.4 | 737.4 |
| 70° | 266.5 | 202.2 | 321.6 | 319.3 | 367.6 | 372.2 | 477.8 | 597.3 | 620.3 | 627.2 | 636.4 |
| 72.5° | 195.2 | 163.1 | 266.5 | 287.2 | 324.0 | 328.6 | 404.3 | 496.2 | 519.2 | 526.1 | 530.7 |
| 75° | 149.4 | 172.3 | 216.0 | 250.5 | 275.7 | 278.0 | 330.8 | 404.3 | 420.4 | 425.1 | 427.3 |
| 77.5° | 119.5 | 160.8 | 158.5 | 202.2 | 225.1 | 220.6 | 259.6 | 312.5 | 326.2 | 326.2 | 326.2 |
| 80° | 89.6 | 126.4 | 119.5 | 144.7 | 165.4 | 160.8 | 186.1 | 222.9 | 227.5 | 232.0 | 229.7 |
| 82.5° | 66.6 | 80.4 | 80.4 | 91.9 | 110.2 | 105.7 | 124.1 | 144.7 | 144.7 | 144.7 | 149.4 |
| 85° | 41.4 | 46.0 | 36.7 | 48.2 | 62.0 | 59.7 | 68.9 | 78.1 | 80.4 | 80.4 | 75.9 |
| 87.5° | 25.3 | 20.6 | 11.5 | 18.4 | 27.6 | 27.6 | 32.1 | 34.5 | 32.1 | 32.1 | 32.1 |
| 90° | 7.3 | 5.1 | 2.8 | 5.1 | 7.3 | 7.9 | 12.3 | 18.3 | 21.3 | 18.9 | 14.1 |
| 92.5° | 49.2 | 30.2 | 11.2 | 30.2 | 49.2 | 54.0 | 75.9 | 105.2 | 119.8 | 104.9 | 75.3 |
| 95° | 96.5 | 61.6 | 26.9 | 61.6 | 96.5 | 105.2 | 186.8 | 295.7 | 350.1 | 312.5 | 237.1 |
| 97.5° | 107.9 | 77.2 | 46.4 | 77.2 | 107.9 | 115.6 | 251.7 | 433.2 | 523.9 | 500.1 | 452.4 |
| 100° | 117.3 | 89.4 | 61.6 | 89.4 | 117.3 | 124.3 | 275.3 | 476.7 | 577.3 | 579.0 | 582.6 |
| 102.5° | 126.5 | 100.5 | 74.4 | 100.5 | 126.5 | 133.0 | 286.1 | 490.3 | 592.4 | 622.8 | 683.5 |
| 105° | 140.3 | 118.3 | 96.3 | 118.3 | 140.3 | 145.8 | 294.1 | 491.9 | 590.7 | 658.8 | 794.8 |
| 107.5° | 159.7 | 139.2 | 118.7 | 139.2 | 159.7 | 164.8 | 295.6 | 470.0 | 557.1 | 652.0 | 841.8 |
| 110° | 170.8 | 152.2 | 133.8 | 152.2 | 170.8 | 175.4 | 293.4 | 450.6 | 529.2 | 635.2 | 847.5 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 183.9 | 166.3 | 148.6 | 166.3 | 183.9 | 188.4 | 293.5 | 433.7 | 503.7 | 612.3 | 829.5 |
| 115° | 203.6 | 187.3 | 171.0 | 187.3 | 203.6 | 207.6 | 296.2 | 414.2 | 473.2 | 577.9 | 787.0 |
| 117.5° | 222.7 | 207.9 | 193.1 | 207.9 | 222.7 | 226.4 | 301.7 | 402.1 | 452.2 | 546.6 | 735.4 |
| 120° | 233.8 | 219.9 | 205.9 | 219.9 | 233.8 | 237.3 | 306.1 | 397.9 | 443.8 | 530.1 | 702.6 |
| 122.5° | 246.7 | 232.6 | 218.6 | 232.6 | 246.7 | 250.2 | 312.6 | 395.7 | 437.4 | 515.0 | 670.5 |
| 125° | 263.5 | 250.6 | 237.9 | 250.6 | 263.5 | 266.7 | 321.2 | 394.0 | 430.4 | 496.4 | 628.4 |
| 127.5° | 279.4 | 266.5 | 253.5 | 266.5 | 279.4 | 282.7 | 329.9 | 393.0 | 424.5 | 481.2 | 594.4 |
| 130° | 289.8 | 275.9 | 262.0 | 275.9 | 289.8 | 293.3 | 336.3 | 393.6 | 422.3 | 472.7 | 573.6 |
| 132.5° | 298.5 | 284.6 | 270.6 | 284.6 | 298.5 | 302.0 | 341.4 | 394.0 | 420.4 | 465.5 | 555.8 |
| 135° | 308.8 | 296.2 | 283.5 | 296.2 | 308.8 | 312.0 | 347.0 | 393.7 | 417.0 | 454.8 | 530.4 |
| 137.5° | 321.7 | 309.2 | 296.6 | 309.2 | 321.7 | 324.9 | 355.4 | 396.0 | 416.4 | 448.3 | 512.2 |
| 140° | 330.7 | 319.2 | 307.6 | 319.2 | 330.7 | 333.6 | 360.5 | 396.5 | 414.5 | 442.1 | 497.3 |
| 142.5° | 337.3 | 326.6 | 315.9 | 326.6 | 337.3 | 340.0 | 364.8 | 397.9 | 414.5 | 438.7 | 487.2 |
| 145° | 347.5 | 338.2 | 328.8 | 338.2 | 347.5 | 349.8 | 370.5 | 397.9 | 411.7 | 431.5 | 471.1 |
| 147.5° | 359.9 | 350.7 | 341.7 | 350.7 | 359.9 | 362.2 | 378.6 | 400.6 | 411.7 | 427.2 | 458.5 |
| 150° | 366.5 | 358.4 | 350.1 | 358.4 | 366.5 | 368.6 | 383.0 | 402.1 | 411.7 | 424.9 | 451.2 |
| 152.5° | 371.2 | 365.0 | 358.7 | 365.0 | 371.2 | 372.7 | 385.7 | 403.0 | 411.7 | 422.9 | 445.4 |
| 155° | 380.8 | 376.3 | 371.7 | 376.3 | 380.8 | 382.0 | 391.8 | 405.1 | 411.7 | 420.6 | 438.6 |
| 157.5° | 390.1 | 385.6 | 381.2 | 385.6 | 390.1 | 391.2 | 398.0 | 407.1 | 411.7 | 418.6 | 432.6 |
| 160° | 394.5 | 391.0 | 387.6 | 391.0 | 394.5 | 395.4 | 400.8 | 408.0 | 411.7 | 417.6 | 429.6 |
| 162.5° | 399.3 | 396.6 | 394.0 | 396.6 | 399.3 | 399.9 | 403.8 | 409.0 | 411.7 | 416.7 | 426.8 |
| 165° | 405.7 | 403.3 | 401.0 | 403.3 | 405.7 | 406.3 | 408.1 | 410.5 | 411.7 | 415.3 | 422.4 |
| 167.5° | 409.7 | 408.5 | 407.4 | 408.5 | 409.7 | 409.9 | 411.5 | 413.5 | 414.5 | 416.8 | 421.5 |
| 170° | 413.9 | 412.8 | 411.7 | 412.8 | 413.9 | 414.2 | 414.3 | 414.4 | 414.5 | 416.8 | 421.5 |
| 172.5° | 414.4 | 414.2 | 413.9 | 414.2 | 414.4 | 414.5 | 414.5 | 414.5 | 414.5 | 416.3 | 420.0 |
| 175° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 416.2 | 415.0 | 414.5 | 415.6 | 418.0 |
| 177.5° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 416.4 | 415.5 | 415.0 | 415.9 | 417.8 |
| 180° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 |
| 2.5° | 2343.4 | 2336.5 | 2345.6 | 2320.4 | 2345.6 | 2336.5 | 2343.4 | 2359.4 | 2345.6 | 2354.9 | 2364.0 |
| 5° | 2056.2 | 2044.7 | 2007.9 | 1978.0 | 2007.9 | 2044.7 | 2056.2 | 2104.4 | 2127.4 | 2168.8 | 2223.9 |
| 7.5° | 1837.9 | 1828.7 | 1819.6 | 1801.2 | 1819.6 | 1828.7 | 1837.9 | 1851.7 | 1874.7 | 1911.4 | 1952.8 |
| 10° | 1789.7 | 1791.9 | 1805.8 | 1803.4 | 1805.8 | 1791.9 | 1789.7 | 1785.1 | 1778.2 | 1785.1 | 1810.3 |
| 12.5° | 1913.8 | 1934.4 | 2010.3 | 2005.7 | 2010.3 | 1934.4 | 1913.8 | 1821.8 | 1759.8 | 1748.3 | 1752.9 |
| 15° | 2056.2 | 2063.0 | 2079.2 | 2081.4 | 2079.2 | 2063.0 | 2056.2 | 2019.4 | 1833.3 | 1752.9 | 1727.7 |
| 17.5° | 2069.9 | 2072.3 | 2083.8 | 2083.8 | 2083.8 | 2072.3 | 2069.9 | 2053.9 | 1991.8 | 1883.9 | 1741.4 |
| 20° | 2058.5 | 2063.0 | 2086.0 | 2090.7 | 2086.0 | 2063.0 | 2058.5 | 2037.8 | 2003.3 | 1964.3 | 1856.3 |
| 22.5° | 2053.9 | 2063.0 | 2081.4 | 2079.2 | 2081.4 | 2063.0 | 2053.9 | 2021.7 | 1991.8 | 1964.3 | 1920.7 |
| 25° | 2030.9 | 2030.9 | 2033.2 | 2035.5 | 2033.2 | 2030.9 | 2030.9 | 2005.7 | 1945.9 | 1939.0 | 1913.8 |
| 27.5° | 1982.7 | 1987.3 | 2001.0 | 1998.8 | 2001.0 | 1987.3 | 1982.7 | 1973.4 | 1909.2 | 1902.3 | 1883.9 |
| 30° | 1939.0 | 1934.4 | 1922.9 | 1913.8 | 1922.9 | 1934.4 | 1939.0 | 1925.2 | 1860.9 | 1842.5 | 1847.1 |
| 32.5° | 1865.5 | 1854.0 | 1842.5 | 1835.7 | 1842.5 | 1854.0 | 1865.5 | 1860.9 | 1812.7 | 1787.4 | 1791.9 |
| 35° | 1778.2 | 1780.5 | 1778.2 | 1771.3 | 1778.2 | 1780.5 | 1778.2 | 1782.8 | 1752.9 | 1729.9 | 1727.7 |
| 37.5° | 1716.2 | 1720.7 | 1718.4 | 1709.3 | 1718.4 | 1720.7 | 1716.2 | 1711.6 | 1670.2 | 1663.3 | 1667.9 |
| 40° | 1651.8 | 1654.1 | 1651.8 | 1644.9 | 1651.8 | 1654.1 | 1651.8 | 1642.7 | 1585.2 | 1587.5 | 1603.6 |
| 42.5° | 1589.8 | 1587.5 | 1580.6 | 1576.0 | 1580.6 | 1587.5 | 1589.8 | 1576.0 | 1502.5 | 1495.6 | 1525.5 |
| 45° | 1518.6 | 1520.9 | 1507.1 | 1500.2 | 1507.1 | 1520.9 | 1518.6 | 1509.4 | 1433.6 | 1415.2 | 1435.9 |
| 47.5° | 1447.4 | 1447.4 | 1435.9 | 1429.0 | 1435.9 | 1447.4 | 1447.4 | 1435.9 | 1355.5 | 1337.1 | 1348.6 |
| 50° | 1371.6 | 1369.2 | 1353.2 | 1350.9 | 1353.2 | 1369.2 | 1371.6 | 1364.6 | 1279.6 | 1263.6 | 1263.6 |
| 52.5° | 1284.2 | 1284.2 | 1286.5 | 1291.1 | 1286.5 | 1284.2 | 1284.2 | 1286.5 | 1210.7 | 1194.6 | 1190.0 |
| 55° | 1208.4 | 1210.7 | 1226.9 | 1231.4 | 1226.9 | 1210.7 | 1208.4 | 1208.4 | 1139.5 | 1123.4 | 1114.3 |
| 57.5° | 1130.4 | 1130.4 | 1141.8 | 1141.8 | 1141.8 | 1130.4 | 1130.4 | 1125.7 | 1059.1 | 1045.3 | 1040.8 |
| 60° | 1040.8 | 1045.3 | 1054.5 | 1052.2 | 1054.5 | 1045.3 | 1040.8 | 1036.1 | 978.7 | 969.5 | 953.4 |
| 62.5° | 946.5 | 951.1 | 953.4 | 948.8 | 953.4 | 951.1 | 946.5 | 932.8 | 898.3 | 891.4 | 870.7 |
| 65° | 847.8 | 852.3 | 854.7 | 850.0 | 854.7 | 852.3 | 847.8 | 840.9 | 815.6 | 804.1 | 785.7 |
| 67.5° | 746.7 | 744.3 | 742.1 | 751.3 | 742.1 | 744.3 | 746.7 | 737.4 | 721.4 | 712.2 | 686.9 |
| 70° | 643.3 | 643.3 | 640.9 | 645.6 | 640.9 | 643.3 | 643.3 | 636.4 | 627.2 | 620.3 | 597.3 |
| 72.5° | 533.0 | 530.7 | 539.9 | 533.0 | 539.9 | 530.7 | 533.0 | 530.7 | 526.1 | 519.2 | 496.2 |
| 75° | 425.1 | 429.6 | 425.1 | 431.9 | 425.1 | 429.6 | 425.1 | 427.3 | 425.1 | 420.4 | 404.3 |
| 77.5° | 324.0 | 328.6 | 324.0 | 324.0 | 324.0 | 328.6 | 324.0 | 326.2 | 326.2 | 326.2 | 312.5 |
| 80° | 229.7 | 227.5 | 227.5 | 225.1 | 227.5 | 227.5 | 229.7 | 229.7 | 232.0 | 227.5 | 222.9 |
| 82.5° | 147.0 | 144.7 | 144.7 | 149.4 | 144.7 | 144.7 | 147.0 | 149.4 | 144.7 | 144.7 | 144.7 |
| 85° | 80.4 | 82.7 | 78.1 | 78.1 | 78.1 | 82.7 | 80.4 | 75.9 | 80.4 | 80.4 | 78.1 |
| 87.5° | 29.9 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 29.9 | 32.1 | 32.1 | 32.1 | 34.5 |
| 90° | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 14.1 | 18.9 | 21.3 | 18.3 |
| 92.5° | 53.1 | 51.1 | 42.5 | 34.1 | 42.5 | 51.1 | 53.1 | 75.3 | 104.9 | 119.8 | 105.2 |
| 95° | 180.5 | 174.1 | 148.4 | 122.8 | 148.4 | 174.1 | 180.5 | 237.1 | 312.5 | 350.1 | 295.7 |
| 97.5° | 416.6 | 404.4 | 355.7 | 307.0 | 355.7 | 404.4 | 416.6 | 452.4 | 500.1 | 523.9 | 433.2 |
| 100° | 585.2 | 570.7 | 512.6 | 454.5 | 512.6 | 570.7 | 585.2 | 582.6 | 579.0 | 577.3 | 476.7 |
| 102.5° | 729.0 | 716.6 | 666.8 | 617.0 | 666.8 | 716.6 | 729.0 | 683.5 | 622.8 | 592.4 | 490.3 |
| 105° | 896.9 | 890.2 | 863.5 | 836.7 | 863.5 | 890.2 | 896.9 | 794.8 | 658.8 | 590.7 | 491.9 |
| 107.5° | 984.2 | 985.8 | 992.2 | 998.8 | 992.2 | 985.8 | 984.2 | 841.8 | 652.0 | 557.1 | 470.0 |
| 110° | 1006.6 | 1013.6 | 1041.4 | 1069.3 | 1041.4 | 1013.6 | 1006.6 | 847.5 | 635.2 | 529.2 | 450.6 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 112.5° | 992.3 | 1003.0 | 1045.8 | 1088.5 | 1045.8 | 1003.0 | 992.3 | 829.5 | 612.3 | 503.7 | 433.7 |
| 115° | 943.9 | 958.7 | 1018.0 | 1077.4 | 1018.0 | 958.7 | 943.9 | 787.0 | 577.9 | 473.2 | 414.2 |
| 117.5° | 877.0 | 893.5 | 959.3 | 1025.1 | 959.3 | 893.5 | 877.0 | 735.4 | 546.6 | 452.2 | 402.1 |
| 120° | 831.9 | 848.0 | 911.9 | 975.9 | 911.9 | 848.0 | 831.9 | 702.6 | 530.1 | 443.8 | 397.9 |
| 122.5° | 786.9 | 802.7 | 865.8 | 928.8 | 865.8 | 802.7 | 786.9 | 670.5 | 515.0 | 437.4 | 395.7 |
| 125° | 727.3 | 741.8 | 799.9 | 858.0 | 799.9 | 741.8 | 727.3 | 628.4 | 496.4 | 430.4 | 394.0 |
| 127.5° | 679.4 | 691.6 | 740.7 | 789.8 | 740.7 | 691.6 | 679.4 | 594.4 | 481.2 | 424.5 | 393.0 |
| 130° | 649.3 | 660.6 | 705.8 | 751.1 | 705.8 | 660.6 | 649.3 | 573.6 | 472.7 | 422.3 | 393.6 |
| 132.5° | 623.5 | 633.6 | 674.2 | 714.7 | 674.2 | 633.6 | 623.5 | 555.8 | 465.5 | 420.4 | 394.0 |
| 135° | 587.1 | 595.9 | 630.8 | 665.7 | 630.8 | 595.9 | 587.1 | 530.4 | 454.8 | 417.0 | 393.7 |
| 137.5° | 560.2 | 567.4 | 596.0 | 624.7 | 596.0 | 567.4 | 560.2 | 512.2 | 448.3 | 416.4 | 396.0 |
| 140° | 538.7 | 545.4 | 572.1 | 598.9 | 572.1 | 545.4 | 538.7 | 497.3 | 442.1 | 414.5 | 396.5 |
| 142.5° | 523.5 | 529.3 | 552.3 | 575.3 | 552.3 | 529.3 | 523.5 | 487.2 | 438.7 | 414.5 | 397.9 |
| 145° | 500.9 | 505.3 | 522.7 | 540.1 | 522.7 | 505.3 | 500.9 | 471.1 | 431.5 | 411.7 | 397.9 |
| 147.5° | 481.9 | 485.5 | 499.9 | 514.3 | 499.9 | 485.5 | 481.9 | 458.5 | 427.2 | 411.7 | 400.6 |
| 150° | 471.0 | 473.9 | 485.6 | 497.3 | 485.6 | 473.9 | 471.0 | 451.2 | 424.9 | 411.7 | 402.1 |
| 152.5° | 462.3 | 464.4 | 473.3 | 482.2 | 473.3 | 464.4 | 462.3 | 445.4 | 422.9 | 411.7 | 403.0 |
| 155° | 451.9 | 453.4 | 459.3 | 465.1 | 459.3 | 453.4 | 451.9 | 438.6 | 420.6 | 411.7 | 405.1 |
| 157.5° | 443.0 | 444.0 | 448.1 | 452.2 | 448.1 | 444.0 | 443.0 | 432.6 | 418.6 | 411.7 | 407.1 |
| 160° | 438.6 | 439.1 | 441.4 | 443.8 | 441.4 | 439.1 | 438.6 | 429.6 | 417.6 | 411.7 | 408.0 |
| 162.5° | 434.3 | 434.8 | 437.1 | 439.4 | 437.1 | 434.8 | 434.3 | 426.8 | 416.7 | 411.7 | 409.0 |
| 165° | 427.9 | 428.5 | 430.9 | 433.2 | 430.9 | 428.5 | 427.9 | 422.4 | 415.3 | 411.7 | 410.5 |
| 167.5° | 425.1 | 425.3 | 426.3 | 427.3 | 426.3 | 425.3 | 425.1 | 421.5 | 416.8 | 414.5 | 413.5 |
| 170° | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 425.1 | 421.5 | 416.8 | 414.5 | 414.4 |
| 172.5° | 422.8 | 422.6 | 421.7 | 420.9 | 421.7 | 422.6 | 422.8 | 420.0 | 416.3 | 414.5 | 414.5 |
| 175° | 419.7 | 419.7 | 419.7 | 419.7 | 419.7 | 419.7 | 419.7 | 418.0 | 415.6 | 414.5 | 415.0 |
| 177.5° | 419.2 | 418.9 | 418.0 | 417.0 | 418.0 | 418.9 | 419.2 | 417.8 | 415.9 | 415.0 | 415.5 |
| 180° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2428.4 | 2428.4 | 2428.4 | 2428.4 | 2428.4 |
| 2.5° | 2398.5 | 2410.0 | 2416.9 | 2426.1 | 2449.0 |
| 5° | 2306.6 | 2350.3 | 2364.0 | 2398.5 | 2439.9 |
| 7.5° | 2104.4 | 2237.6 | 2274.4 | 2357.1 | 2421.5 |
| 10° | 1909.2 | 2042.4 | 2106.8 | 2302.0 | 2398.5 |
| 12.5° | 1810.3 | 1888.4 | 1932.2 | 2205.5 | 2366.4 |
| 15° | 1748.3 | 1803.4 | 1835.7 | 2076.9 | 2329.6 |
| 17.5° | 1700.1 | 1739.2 | 1762.1 | 1950.5 | 2279.0 |
| 20° | 1670.2 | 1688.6 | 1709.3 | 1858.6 | 2221.6 |
| 22.5° | 1649.6 | 1638.1 | 1654.1 | 1794.3 | 2143.5 |
| 25° | 1635.7 | 1592.1 | 1610.5 | 1743.7 | 2051.5 |
| 27.5° | 1647.2 | 1550.7 | 1557.6 | 1697.8 | 1955.1 |
| 30° | 1649.6 | 1500.2 | 1502.5 | 1649.6 | 1847.1 |
| 32.5° | 1633.5 | 1447.4 | 1449.7 | 1589.8 | 1725.3 |
| 35° | 1594.4 | 1385.3 | 1383.0 | 1520.9 | 1560.0 |
| 37.5° | 1541.6 | 1318.7 | 1318.7 | 1445.1 | 1378.5 |
| 40° | 1477.2 | 1252.1 | 1259.0 | 1346.2 | 1217.6 |
| 42.5° | 1399.1 | 1180.9 | 1190.0 | 1215.4 | 1098.1 |
| 45° | 1314.1 | 1111.9 | 1118.9 | 1026.9 | 1006.3 |
| 47.5° | 1219.9 | 1040.8 | 1043.0 | 852.3 | 976.4 |
| 50° | 1107.4 | 967.2 | 958.0 | 730.6 | 974.1 |
| 52.5° | 1008.5 | 886.8 | 859.3 | 661.7 | 884.5 |
| 55° | 912.0 | 801.8 | 742.1 | 608.8 | 820.2 |
| 57.5° | 827.0 | 691.5 | 634.1 | 546.8 | 806.4 |
| 60° | 748.9 | 583.6 | 539.9 | 480.2 | 739.8 |
| 62.5° | 684.7 | 503.1 | 493.9 | 434.2 | 670.8 |
| 65° | 615.7 | 448.0 | 445.7 | 395.2 | 569.8 |
| 67.5° | 549.1 | 411.2 | 409.0 | 358.4 | 434.2 |
| 70° | 477.8 | 372.2 | 367.6 | 319.3 | 321.6 |
| 72.5° | 404.3 | 328.6 | 324.0 | 287.2 | 266.5 |
| 75° | 330.8 | 278.0 | 275.7 | 250.5 | 216.0 |
| 77.5° | 259.6 | 220.6 | 225.1 | 202.2 | 158.5 |
| 80° | 186.1 | 160.8 | 165.4 | 144.7 | 119.5 |
| 82.5° | 124.1 | 105.7 | 110.2 | 91.9 | 80.4 |
| 85° | 68.9 | 59.7 | 62.0 | 48.2 | 36.7 |
| 87.5° | 32.1 | 27.6 | 27.6 | 18.4 | 11.5 |
| 90° | 12.3 | 7.9 | 7.3 | 5.1 | 2.8 |
| 92.5° | 75.9 | 54.0 | 49.2 | 30.2 | 11.2 |
| 95° | 186.8 | 105.2 | 96.5 | 61.6 | 26.9 |
| 97.5° | 251.7 | 115.6 | 107.9 | 77.2 | 46.4 |
| 100° | 275.3 | 124.3 | 117.3 | 89.4 | 61.6 |
| 102.5° | 286.1 | 133.0 | 126.5 | 100.5 | 74.4 |
| 105° | 294.1 | 145.8 | 140.3 | 118.3 | 96.3 |
| 107.5° | 295.6 | 164.8 | 159.7 | 139.2 | 118.7 |
| 110° | 293.4 | 175.4 | 170.8 | 152.2 | 133.8 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 293.5 | 188.4 | 183.9 | 166.3 | 148.6 |
| 115° | 296.2 | 207.6 | 203.6 | 187.3 | 171.0 |
| 117.5° | 301.7 | 226.4 | 222.7 | 207.9 | 193.1 |
| 120° | 306.1 | 237.3 | 233.8 | 219.9 | 205.9 |
| 122.5° | 312.6 | 250.2 | 246.7 | 232.6 | 218.6 |
| 125° | 321.2 | 266.7 | 263.5 | 250.6 | 237.9 |
| 127.5° | 329.9 | 282.7 | 279.4 | 266.5 | 253.5 |
| 130° | 336.3 | 293.3 | 289.8 | 275.9 | 262.0 |
| 132.5° | 341.4 | 302.0 | 298.5 | 284.6 | 270.6 |
| 135° | 347.0 | 312.0 | 308.8 | 296.2 | 283.5 |
| 137.5° | 355.4 | 324.9 | 321.7 | 309.2 | 296.6 |
| 140° | 360.5 | 333.6 | 330.7 | 319.2 | 307.6 |
| 142.5° | 364.8 | 340.0 | 337.3 | 326.6 | 315.9 |
| 145° | 370.5 | 349.8 | 347.5 | 338.2 | 328.8 |
| 147.5° | 378.6 | 362.2 | 359.9 | 350.7 | 341.7 |
| 150° | 383.0 | 368.6 | 366.5 | 358.4 | 350.1 |
| 152.5° | 385.7 | 372.7 | 371.2 | 365.0 | 358.7 |
| 155° | 391.8 | 382.0 | 380.8 | 376.3 | 371.7 |
| 157.5° | 398.0 | 391.2 | 390.1 | 385.6 | 381.2 |
| 160° | 400.8 | 395.4 | 394.5 | 391.0 | 387.6 |
| 162.5° | 403.8 | 399.9 | 399.3 | 396.6 | 394.0 |
| 165° | 408.1 | 406.3 | 405.7 | 403.3 | 401.0 |
| 167.5° | 411.5 | 409.9 | 409.7 | 408.5 | 407.4 |
| 170° | 414.3 | 414.2 | 413.9 | 412.8 | 411.7 |
| 172.5° | 414.5 | 414.5 | 414.4 | 414.2 | 413.9 |
| 175° | 416.2 | 417.0 | 417.0 | 417.0 | 417.0 |
| 177.5° | 416.4 | 417.0 | 417.0 | 417.0 | 417.0 |
| 180° | 417.0 | 417.0 | 417.0 | 417.0 | 417.0 |



TEST NUMBER: P934563

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-6-4000K

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 15.88 | 16.96 | 16.65 | 17.75 | 18.70 | 18.71 | 19.78 | 19.47 | 20.57 | 21.52 |
| | 3H | 16.38 | 17.34 | 17.15 | 18.14 | 19.12 | 20.07 | 21.03 | 20.85 | 21.83 | 22.81 |
| | 4H | 16.58 | 17.49 | 17.37 | 18.29 | 19.29 | 20.52 | 21.43 | 21.32 | 22.24 | 23.23 |
| | 6H | 16.71 | 17.55 | 17.52 | 18.36 | 19.37 | 20.81 | 21.65 | 21.62 | 22.47 | 23.48 |
| | 8H | 16.72 | 17.52 | 17.53 | 18.35 | 19.36 | 20.89 | 21.69 | 21.71 | 22.53 | 23.54 |
| | 12H | 16.69 | 17.46 | 17.52 | 18.28 | 19.32 | 20.94 | 21.70 | 21.76 | 22.53 | 23.57 |
| 4H | 2H | 16.94 | 17.85 | 17.74 | 18.66 | 19.65 | 19.14 | 20.05 | 19.94 | 20.86 | 21.85 |
| | 3H | 17.99 | 18.75 | 18.80 | 19.59 | 20.60 | 20.67 | 21.43 | 21.48 | 22.26 | 23.28 |
| | 4H | 18.27 | 18.96 | 19.10 | 19.80 | 20.84 | 21.20 | 21.89 | 22.03 | 22.73 | 23.77 |
| | 6H | 18.41 | 19.01 | 19.25 | 19.87 | 20.91 | 21.58 | 22.18 | 22.42 | 23.04 | 24.08 |
| | 8H | 18.42 | 18.98 | 19.27 | 19.84 | 20.89 | 21.69 | 22.25 | 22.54 | 23.10 | 24.16 |
| | 12H | 18.40 | 18.90 | 19.26 | 19.78 | 20.84 | 21.76 | 22.26 | 22.62 | 23.14 | 24.20 |
| 8H | 4H | 18.74 | 19.30 | 19.59 | 20.16 | 21.21 | 21.34 | 21.90 | 22.19 | 22.76 | 23.82 |
| | 6H | 19.01 | 19.47 | 19.89 | 20.37 | 21.43 | 21.79 | 22.25 | 22.66 | 23.15 | 24.21 |
| | 8H | 19.06 | 19.47 | 19.94 | 20.36 | 21.44 | 21.94 | 22.35 | 22.83 | 23.25 | 24.32 |
| | 12H | 19.05 | 19.41 | 19.94 | 20.30 | 21.43 | 22.05 | 22.41 | 22.94 | 23.30 | 24.42 |
| 12H | 4H | 18.76 | 19.26 | 19.62 | 20.14 | 21.20 | 21.32 | 21.82 | 22.19 | 22.70 | 23.76 |
| | 6H | 19.07 | 19.48 | 19.96 | 20.38 | 21.45 | 21.79 | 22.20 | 22.67 | 23.09 | 24.17 |
| | 8H | 19.15 | 19.51 | 20.04 | 20.40 | 21.53 | 21.96 | 22.32 | 22.85 | 23.20 | 24.33 |