

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: P934155

Luminaire Tested: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934155
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

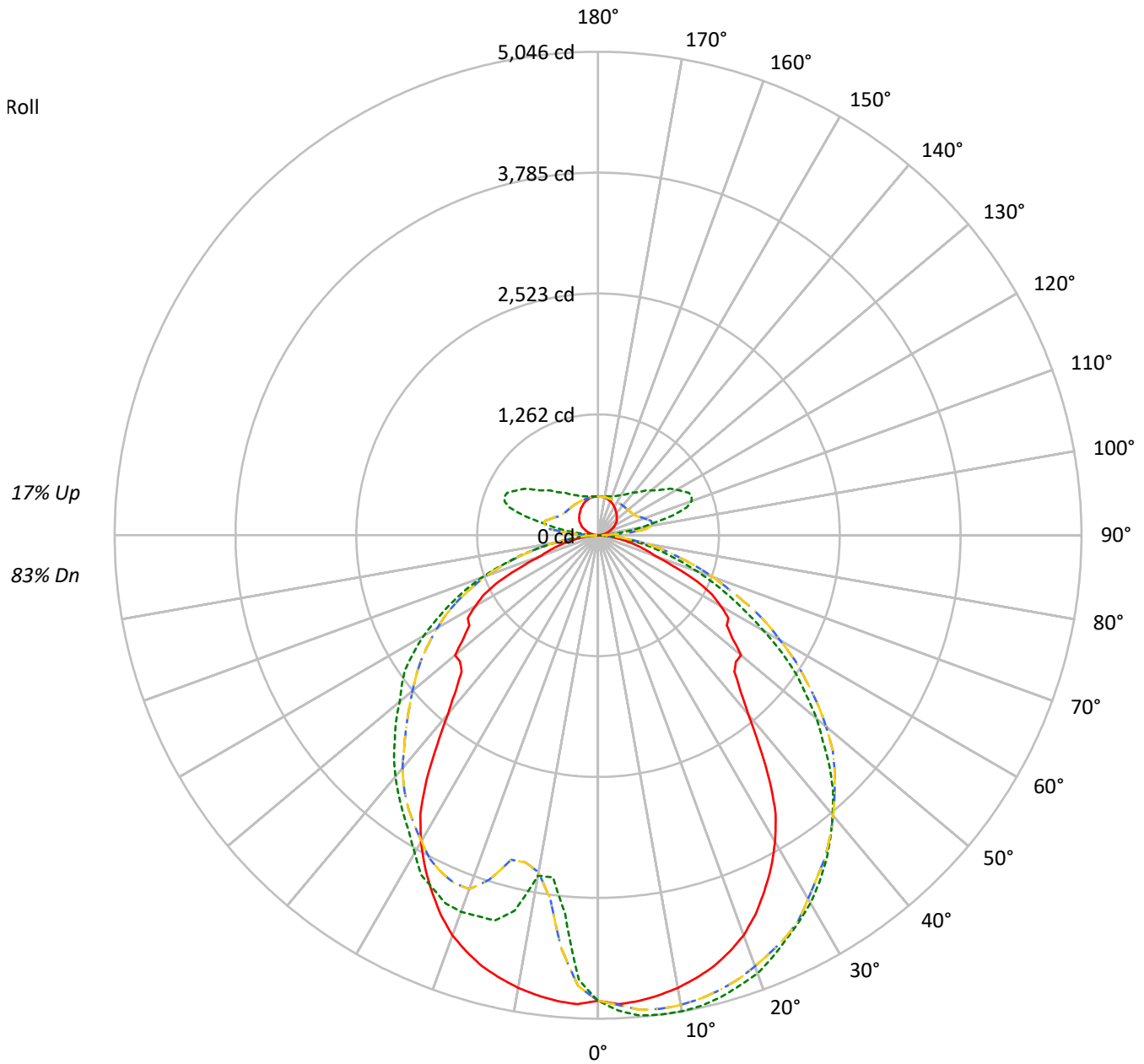
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15222.1 lumens
Efficiency: N/A
Efficacy: 102.3 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: Semi-Direct

Input Watts (W): 148.8
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: P934155
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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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 102 | 102 | 102 | 94 | 94 | 94 | 86 | 86 | 86 | 86 | 86 | 86 | 83 |
| 1 | 105 | 101 | 97 | 93 | 101 | 97 | 93 | 90 | 89 | 87 | 84 | 83 | 80 | 78 | 76 | 75 | 73 | 73 | 73 | 73 | 70 |
| 2 | 96 | 88 | 82 | 76 | 92 | 85 | 79 | 74 | 78 | 74 | 70 | 73 | 69 | 66 | 67 | 64 | 62 | 62 | 62 | 62 | 59 |
| 3 | 88 | 78 | 70 | 64 | 84 | 75 | 68 | 62 | 69 | 63 | 59 | 64 | 60 | 56 | 60 | 56 | 52 | 52 | 52 | 52 | 50 |
| 4 | 80 | 69 | 60 | 54 | 77 | 66 | 59 | 53 | 62 | 55 | 50 | 57 | 52 | 48 | 53 | 49 | 45 | 45 | 45 | 45 | 43 |
| 5 | 74 | 61 | 53 | 46 | 70 | 59 | 51 | 45 | 55 | 49 | 43 | 52 | 46 | 41 | 48 | 43 | 39 | 39 | 39 | 39 | 37 |
| 6 | 68 | 55 | 47 | 40 | 65 | 53 | 45 | 40 | 50 | 43 | 38 | 47 | 41 | 36 | 44 | 39 | 35 | 35 | 35 | 35 | 32 |
| 7 | 63 | 50 | 42 | 36 | 60 | 48 | 41 | 35 | 45 | 39 | 34 | 42 | 37 | 32 | 40 | 35 | 31 | 31 | 31 | 31 | 29 |
| 8 | 59 | 46 | 37 | 32 | 56 | 44 | 36 | 31 | 41 | 35 | 30 | 39 | 33 | 29 | 37 | 31 | 28 | 28 | 28 | 28 | 26 |
| 9 | 55 | 42 | 34 | 28 | 52 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 34 | 29 | 25 | 25 | 25 | 25 | 23 |
| 10 | 51 | 38 | 31 | 26 | 49 | 37 | 30 | 25 | 35 | 29 | 24 | 33 | 28 | 24 | 31 | 26 | 23 | 23 | 23 | 23 | 21 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 15023 | 15023 | 15023 | 15023 |
| 5° | 15141 | 15165 | 15141 | 11925 |
| 10° | 15046 | 14939 | 15046 | 10680 |
| 15° | 14887 | 14615 | 14887 | 12204 |
| 20° | 14582 | 14231 | 14582 | 12229 |
| 25° | 13950 | 13672 | 13950 | 11970 |
| 30° | 13132 | 13208 | 13132 | 11401 |
| 35° | 11713 | 12621 | 11713 | 10776 |
| 40° | 9765 | 11930 | 9765 | 10303 |
| 45° | 8731 | 11120 | 8731 | 9760 |
| 50° | 9283 | 10155 | 9283 | 9215 |
| 55° | 8742 | 9115 | 8742 | 8899 |
| 60° | 9023 | 7742 | 9023 | 8151 |
| 65° | 8194 | 6400 | 8194 | 7154 |
| 70° | 5688 | 5100 | 5688 | 5996 |
| 75° | 5006 | 3770 | 5006 | 4514 |
| 80° | 4065 | 2493 | 4065 | 2714 |
| 85° | 2382 | 1320 | 2382 | 1122 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13373 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 438.4 | 2.9 |
| 10°-20° | 1244.8 | 8.2 |
| 20°-30° | 1924.3 | 12.6 |
| 30°-40° | 2297.2 | 15.1 |
| 40°-50° | 2310.7 | 15.2 |
| 50°-60° | 2010.6 | 13.2 |
| 60°-70° | 1425.5 | 9.4 |
| 70°-80° | 754.2 | 5.0 |
| 80°-90° | 189.4 | 1.2 |
| 90°-100° | 197.5 | 1.3 |
| 100°-110° | 519.3 | 3.4 |
| 110°-120° | 538.5 | 3.5 |
| 120°-130° | 431.9 | 2.8 |
| 130°-140° | 338.9 | 2.2 |
| 140°-150° | 260.1 | 1.7 |
| 150°-160° | 187.3 | 1.2 |
| 160°-170° | 114.6 | 0.8 |
| 170°-180° | 38.7 | 0.3 |
| 0°-30° | 3607.6 | 23.7 |
| 0°-40° | 5904.8 | 38.8 |
| 0°-60° | 10226.0 | 67.2 |
| 0°-90° | 12595.0 | 82.7 |
| 90°-120° | 1255.4 | 8.2 |
| 90°-150° | 2286.3 | 15.0 |
| 90°-180° | 2627.0 | 17.3 |
| 0°-180° | 15222.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 4857 | 4857 | 4857 | 4857 | 4857 | |
| 5° | 4880 | 5032 | 4880 | 3956 | 4880 | 463 |
| 15° | 4660 | 4986 | 4660 | 4163 | 4660 | 1311 |
| 25° | 4104 | 4650 | 4104 | 4071 | 4104 | 1884 |
| 35° | 3120 | 4149 | 3120 | 3543 | 3120 | 1930 |
| 45° | 2013 | 3419 | 2013 | 3001 | 2013 | 1612 |
| 55° | 1640 | 2523 | 1640 | 2463 | 1640 | 1507 |
| 65° | 1140 | 1521 | 1140 | 1700 | 1140 | 1089 |
| 75° | 432 | 721 | 432 | 864 | 432 | 454 |
| 85° | 74 | 184 | 74 | 156 | 74 | 99 |
| 90° | 3 | 10 | 3 | 10 | 3 | 5 |
| 95° | 26 | 119 | 26 | 119 | 26 | 29 |
| 105° | 94 | 813 | 94 | 813 | 94 | 99 |
| 115° | 166 | 1047 | 166 | 1047 | 166 | 164 |
| 125° | 231 | 834 | 231 | 834 | 231 | 205 |
| 135° | 276 | 647 | 276 | 647 | 276 | 213 |
| 145° | 320 | 525 | 320 | 525 | 320 | 200 |
| 155° | 361 | 452 | 361 | 452 | 361 | 166 |
| 165° | 390 | 421 | 390 | 421 | 390 | 110 |
| 175° | 405 | 408 | 405 | 408 | 405 | 38 |
| 180° | 405 | 405 | 405 | 405 | 405 | |



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 CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 |
| 2.5° | 4898.5 | 4898.5 | 4926.0 | 4935.2 | 4935.2 | 4921.4 | 4907.6 | 4921.4 | 4962.7 | 4976.6 | 4972.0 |
| 5° | 4880.0 | 4916.8 | 4967.3 | 4976.6 | 4985.7 | 4981.1 | 4972.0 | 4981.1 | 5027.1 | 5036.3 | 5040.8 |
| 7.5° | 4843.2 | 4912.2 | 4976.6 | 4990.3 | 5004.1 | 4990.3 | 4985.7 | 4994.9 | 5040.8 | 5050.1 | 5050.1 |
| 10° | 4797.4 | 4893.8 | 4967.3 | 4976.6 | 4990.3 | 4976.6 | 4976.6 | 4994.9 | 5040.8 | 5050.1 | 5054.7 |
| 12.5° | 4733.0 | 4866.2 | 4935.2 | 4944.4 | 4962.7 | 4958.1 | 4953.6 | 4972.0 | 5017.9 | 5027.1 | 5027.1 |
| 15° | 4659.5 | 4815.7 | 4880.0 | 4889.2 | 4921.4 | 4912.2 | 4912.2 | 4930.6 | 4981.1 | 4994.9 | 4990.3 |
| 17.5° | 4558.4 | 4751.4 | 4824.9 | 4838.7 | 4861.6 | 4857.1 | 4861.6 | 4880.0 | 4926.0 | 4935.2 | 4939.7 |
| 20° | 4443.5 | 4664.0 | 4751.4 | 4765.1 | 4788.1 | 4788.1 | 4788.1 | 4811.1 | 4857.1 | 4875.5 | 4875.5 |
| 22.5° | 4287.3 | 4572.1 | 4664.0 | 4673.3 | 4700.9 | 4700.9 | 4710.0 | 4742.1 | 4783.5 | 4788.1 | 4788.1 |
| 25° | 4103.5 | 4471.0 | 4549.2 | 4576.8 | 4604.4 | 4618.1 | 4631.9 | 4650.3 | 4664.0 | 4659.5 | 4664.0 |
| 27.5° | 3910.5 | 4342.4 | 4443.5 | 4461.9 | 4498.7 | 4512.4 | 4530.8 | 4535.4 | 4540.0 | 4553.8 | 4544.6 |
| 30° | 3694.5 | 4163.2 | 4314.8 | 4333.2 | 4392.9 | 4402.2 | 4383.8 | 4392.9 | 4415.9 | 4425.2 | 4434.3 |
| 32.5° | 3450.9 | 3896.7 | 4181.6 | 4222.9 | 4278.1 | 4250.5 | 4245.9 | 4259.7 | 4296.4 | 4296.4 | 4305.7 |
| 35° | 3120.1 | 3689.9 | 4057.5 | 4094.2 | 4135.6 | 4103.5 | 4121.8 | 4126.4 | 4149.4 | 4163.2 | 4158.6 |
| 37.5° | 2757.1 | 3510.7 | 3928.9 | 3956.5 | 3988.6 | 3947.2 | 3974.8 | 3988.6 | 4007.0 | 3997.7 | 3997.7 |
| 40° | 2435.4 | 3230.3 | 3777.2 | 3795.6 | 3823.1 | 3791.0 | 3818.6 | 3827.7 | 3837.0 | 3827.7 | 3823.1 |
| 42.5° | 2196.5 | 2922.5 | 3616.4 | 3639.4 | 3621.0 | 3643.9 | 3653.1 | 3671.5 | 3657.8 | 3639.4 | 3639.4 |
| 45° | 2012.6 | 2839.8 | 3441.8 | 3469.3 | 3441.8 | 3478.5 | 3492.3 | 3492.3 | 3450.9 | 3441.8 | 3437.2 |
| 47.5° | 1953.0 | 2674.4 | 3267.2 | 3267.2 | 3253.3 | 3299.3 | 3322.3 | 3290.1 | 3248.8 | 3235.0 | 3235.0 |
| 50° | 1948.4 | 2490.6 | 3028.2 | 3009.8 | 3074.1 | 3129.3 | 3106.3 | 3074.1 | 3042.0 | 2991.5 | 2991.5 |
| 52.5° | 1769.1 | 2265.4 | 2720.3 | 2789.3 | 2890.4 | 2922.5 | 2885.7 | 2853.6 | 2798.4 | 2775.5 | 2757.1 |
| 55° | 1640.4 | 2031.1 | 2440.0 | 2577.9 | 2683.5 | 2724.9 | 2656.0 | 2623.8 | 2541.1 | 2527.3 | 2518.2 |
| 57.5° | 1612.9 | 1691.0 | 2182.7 | 2357.3 | 2485.9 | 2481.4 | 2440.0 | 2380.3 | 2311.3 | 2297.6 | 2293.0 |
| 60° | 1479.7 | 1222.3 | 1907.0 | 2113.7 | 2247.1 | 2233.2 | 2196.5 | 2141.3 | 2077.0 | 2067.8 | 2058.6 |
| 62.5° | 1341.8 | 886.9 | 1594.5 | 1828.9 | 2017.2 | 2012.6 | 1980.5 | 1897.8 | 1851.9 | 1828.9 | 1810.5 |
| 65° | 1139.6 | 744.4 | 1135.0 | 1521.0 | 1792.1 | 1801.3 | 1732.4 | 1672.6 | 1622.0 | 1594.5 | 1589.9 |
| 67.5° | 868.5 | 606.5 | 767.4 | 1268.2 | 1576.2 | 1566.9 | 1479.7 | 1452.1 | 1387.7 | 1373.9 | 1346.3 |
| 70° | 643.3 | 404.3 | 533.0 | 1029.3 | 1364.7 | 1341.8 | 1272.8 | 1240.7 | 1181.0 | 1148.7 | 1130.4 |
| 72.5° | 533.0 | 326.2 | 390.6 | 799.5 | 1148.7 | 1121.2 | 1061.5 | 1024.7 | 974.1 | 946.6 | 928.2 |
| 75° | 431.9 | 344.6 | 298.7 | 592.8 | 932.8 | 914.4 | 859.3 | 822.5 | 781.2 | 744.4 | 749.0 |
| 77.5° | 317.1 | 321.7 | 239.0 | 436.6 | 739.8 | 712.3 | 680.0 | 634.2 | 615.8 | 579.0 | 579.0 |
| 80° | 239.0 | 252.7 | 179.2 | 298.7 | 533.0 | 533.0 | 505.4 | 473.3 | 441.2 | 422.7 | 422.7 |
| 82.5° | 160.8 | 160.8 | 133.2 | 188.4 | 363.1 | 349.2 | 330.8 | 321.7 | 303.3 | 294.1 | 294.1 |
| 85° | 73.5 | 91.9 | 82.7 | 114.9 | 197.6 | 206.7 | 206.7 | 197.6 | 193.0 | 183.8 | 188.4 |
| 87.5° | 23.0 | 41.4 | 50.5 | 64.4 | 101.1 | 105.7 | 110.2 | 110.2 | 110.2 | 114.9 | 114.9 |
| 90° | 2.7 | 4.9 | 7.1 | 7.6 | 11.9 | 17.7 | 20.6 | 18.4 | 13.8 | 10.3 | 10.3 |
| 92.5° | 10.9 | 29.3 | 47.9 | 52.5 | 73.8 | 102.2 | 116.4 | 102.0 | 73.2 | 51.7 | 49.6 |
| 95° | 26.1 | 59.9 | 93.8 | 102.3 | 181.6 | 287.4 | 340.3 | 303.6 | 230.4 | 175.4 | 169.2 |
| 97.5° | 45.2 | 75.0 | 104.9 | 112.3 | 244.6 | 421.0 | 509.2 | 486.0 | 439.7 | 405.0 | 393.1 |
| 100° | 59.8 | 86.9 | 114.0 | 120.7 | 267.6 | 463.3 | 561.1 | 562.8 | 566.2 | 568.7 | 554.6 |
| 102.5° | 72.3 | 97.6 | 122.8 | 129.2 | 278.1 | 476.6 | 575.8 | 605.3 | 664.2 | 708.5 | 696.3 |
| 105° | 93.6 | 115.0 | 136.3 | 141.7 | 285.8 | 478.0 | 574.1 | 640.2 | 772.5 | 871.7 | 865.2 |
| 107.5° | 115.3 | 135.2 | 155.2 | 160.2 | 287.3 | 456.7 | 541.5 | 633.7 | 818.2 | 956.6 | 958.1 |
| 110° | 130.0 | 148.0 | 166.0 | 170.5 | 285.1 | 437.9 | 514.3 | 617.4 | 823.6 | 978.3 | 985.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 144.5 | 161.6 | 178.8 | 183.0 | 285.2 | 421.4 | 489.6 | 595.1 | 806.1 | 964.4 | 974.9 |
| 115° | 166.2 | 182.0 | 197.9 | 201.9 | 287.8 | 402.5 | 459.9 | 561.6 | 764.9 | 917.4 | 931.8 |
| 117.5° | 187.6 | 202.0 | 216.4 | 220.0 | 293.2 | 390.8 | 439.5 | 531.3 | 714.8 | 852.4 | 868.4 |
| 120° | 200.1 | 213.7 | 227.3 | 230.6 | 297.5 | 386.7 | 431.3 | 515.1 | 682.9 | 808.6 | 824.1 |
| 122.5° | 212.4 | 226.1 | 239.7 | 243.1 | 303.8 | 384.6 | 425.1 | 500.6 | 651.5 | 764.8 | 780.1 |
| 125° | 231.2 | 243.7 | 256.2 | 259.2 | 312.3 | 383.0 | 418.3 | 482.4 | 610.6 | 706.8 | 721.0 |
| 127.5° | 246.4 | 259.0 | 271.5 | 274.7 | 320.7 | 382.0 | 412.6 | 467.6 | 577.8 | 660.3 | 672.3 |
| 130° | 254.5 | 268.1 | 281.7 | 285.0 | 326.9 | 382.5 | 410.4 | 459.5 | 557.5 | 631.0 | 642.0 |
| 132.5° | 263.0 | 276.5 | 290.1 | 293.5 | 331.8 | 383.0 | 408.5 | 452.4 | 540.2 | 606.0 | 615.9 |
| 135° | 275.5 | 287.8 | 300.2 | 303.2 | 337.3 | 382.6 | 405.2 | 442.0 | 515.5 | 570.6 | 579.1 |
| 137.5° | 288.3 | 300.5 | 312.6 | 315.7 | 345.4 | 385.0 | 404.7 | 435.7 | 497.8 | 544.5 | 551.4 |
| 140° | 298.9 | 310.1 | 321.4 | 324.2 | 350.4 | 385.3 | 402.8 | 429.6 | 483.3 | 523.5 | 530.1 |
| 142.5° | 307.0 | 317.4 | 327.8 | 330.5 | 354.6 | 386.7 | 402.8 | 426.3 | 473.5 | 508.9 | 514.5 |
| 145° | 319.6 | 328.7 | 337.7 | 340.0 | 360.0 | 386.7 | 400.1 | 419.4 | 457.9 | 486.8 | 491.0 |
| 147.5° | 332.1 | 340.9 | 349.8 | 351.9 | 367.9 | 389.4 | 400.1 | 415.3 | 445.6 | 468.3 | 471.9 |
| 150° | 340.3 | 348.2 | 356.2 | 358.2 | 372.1 | 390.8 | 400.1 | 412.9 | 438.6 | 457.7 | 460.5 |
| 152.5° | 348.7 | 354.7 | 360.7 | 362.2 | 374.8 | 391.7 | 400.1 | 411.0 | 432.9 | 449.3 | 451.5 |
| 155° | 361.2 | 365.6 | 370.1 | 371.2 | 380.8 | 393.7 | 400.1 | 408.8 | 426.2 | 439.3 | 440.7 |
| 157.5° | 370.4 | 374.7 | 379.2 | 380.3 | 386.9 | 395.6 | 400.1 | 406.9 | 420.4 | 430.5 | 431.5 |
| 160° | 376.7 | 380.1 | 383.5 | 384.3 | 389.6 | 396.6 | 400.1 | 405.9 | 417.5 | 426.1 | 426.7 |
| 162.5° | 383.0 | 385.5 | 388.0 | 388.7 | 392.5 | 397.5 | 400.1 | 405.0 | 414.7 | 422.1 | 422.6 |
| 165° | 389.8 | 392.0 | 394.4 | 394.9 | 396.6 | 398.9 | 400.1 | 403.6 | 410.6 | 415.8 | 416.4 |
| 167.5° | 396.0 | 397.1 | 398.2 | 398.5 | 399.9 | 401.8 | 402.8 | 405.1 | 409.7 | 413.1 | 413.4 |
| 170° | 400.1 | 401.2 | 402.3 | 402.5 | 402.6 | 402.7 | 402.8 | 405.1 | 409.7 | 413.1 | 413.1 |
| 172.5° | 402.3 | 402.5 | 402.7 | 402.8 | 402.8 | 402.8 | 402.8 | 404.6 | 408.2 | 410.9 | 410.8 |
| 175° | 405.2 | 405.2 | 405.2 | 405.2 | 404.4 | 403.3 | 402.8 | 404.0 | 406.2 | 408.0 | 408.0 |
| 177.5° | 405.2 | 405.2 | 405.2 | 405.2 | 404.6 | 403.8 | 403.3 | 404.2 | 406.1 | 407.4 | 407.1 |
| 180° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 |
| 2.5° | 4981.1 | 4967.3 | 4981.1 | 4972.0 | 4976.6 | 4962.7 | 4921.4 | 4907.6 | 4921.4 | 4935.2 | 4935.2 |
| 5° | 5040.8 | 5031.7 | 5040.8 | 5040.8 | 5036.3 | 5027.1 | 4981.1 | 4972.0 | 4981.1 | 4985.7 | 4976.6 |
| 7.5° | 5059.2 | 5045.5 | 5059.2 | 5050.1 | 5050.1 | 5040.8 | 4994.9 | 4985.7 | 4990.3 | 5004.1 | 4990.3 |
| 10° | 5059.2 | 5045.5 | 5059.2 | 5054.7 | 5050.1 | 5040.8 | 4994.9 | 4976.6 | 4976.6 | 4990.3 | 4976.6 |
| 12.5° | 5036.3 | 5027.1 | 5036.3 | 5027.1 | 5027.1 | 5017.9 | 4972.0 | 4953.6 | 4958.1 | 4962.7 | 4944.4 |
| 15° | 4999.5 | 4985.7 | 4999.5 | 4990.3 | 4994.9 | 4981.1 | 4930.6 | 4912.2 | 4912.2 | 4921.4 | 4889.2 |
| 17.5° | 4944.4 | 4926.0 | 4944.4 | 4939.7 | 4935.2 | 4926.0 | 4880.0 | 4861.6 | 4857.1 | 4861.6 | 4838.7 |
| 20° | 4880.0 | 4866.2 | 4880.0 | 4875.5 | 4875.5 | 4857.1 | 4811.1 | 4788.1 | 4788.1 | 4788.1 | 4765.1 |
| 22.5° | 4779.0 | 4765.1 | 4779.0 | 4788.1 | 4788.1 | 4783.5 | 4742.1 | 4710.0 | 4700.9 | 4700.9 | 4673.3 |
| 25° | 4664.0 | 4650.3 | 4664.0 | 4664.0 | 4659.5 | 4664.0 | 4650.3 | 4631.9 | 4618.1 | 4604.4 | 4576.8 |
| 27.5° | 4553.8 | 4544.6 | 4553.8 | 4544.6 | 4553.8 | 4540.0 | 4535.4 | 4530.8 | 4512.4 | 4498.7 | 4461.9 |
| 30° | 4443.5 | 4434.3 | 4443.5 | 4434.3 | 4425.2 | 4415.9 | 4392.9 | 4383.8 | 4402.2 | 4392.9 | 4333.2 |
| 32.5° | 4305.7 | 4296.4 | 4305.7 | 4305.7 | 4296.4 | 4296.4 | 4259.7 | 4245.9 | 4250.5 | 4278.1 | 4222.9 |
| 35° | 4163.2 | 4149.4 | 4163.2 | 4158.6 | 4163.2 | 4149.4 | 4126.4 | 4121.8 | 4103.5 | 4135.6 | 4094.2 |
| 37.5° | 3997.7 | 3984.0 | 3997.7 | 3997.7 | 3997.7 | 4007.0 | 3988.6 | 3974.8 | 3947.2 | 3988.6 | 3956.5 |
| 40° | 3827.7 | 3809.4 | 3827.7 | 3823.1 | 3827.7 | 3837.0 | 3827.7 | 3818.6 | 3791.0 | 3823.1 | 3795.6 |
| 42.5° | 3634.8 | 3630.1 | 3634.8 | 3639.4 | 3639.4 | 3657.8 | 3671.5 | 3653.1 | 3643.9 | 3621.0 | 3639.4 |
| 45° | 3427.9 | 3418.8 | 3427.9 | 3437.2 | 3441.8 | 3450.9 | 3492.3 | 3492.3 | 3478.5 | 3441.8 | 3469.3 |
| 47.5° | 3207.4 | 3184.4 | 3207.4 | 3235.0 | 3235.0 | 3248.8 | 3290.1 | 3322.3 | 3299.3 | 3253.3 | 3267.2 |
| 50° | 2973.1 | 2977.6 | 2973.1 | 2991.5 | 2991.5 | 3042.0 | 3074.1 | 3106.3 | 3129.3 | 3074.1 | 3009.8 |
| 52.5° | 2743.3 | 2738.7 | 2743.3 | 2757.1 | 2775.5 | 2798.4 | 2853.6 | 2885.7 | 2922.5 | 2890.4 | 2789.3 |
| 55° | 2513.5 | 2522.8 | 2513.5 | 2518.2 | 2527.3 | 2541.1 | 2623.8 | 2656.0 | 2724.9 | 2683.5 | 2577.9 |
| 57.5° | 2283.8 | 2270.0 | 2283.8 | 2293.0 | 2297.6 | 2311.3 | 2380.3 | 2440.0 | 2481.4 | 2485.9 | 2357.3 |
| 60° | 2017.2 | 1998.9 | 2017.2 | 2058.6 | 2067.8 | 2077.0 | 2141.3 | 2196.5 | 2233.2 | 2247.1 | 2113.7 |
| 62.5° | 1782.9 | 1750.8 | 1782.9 | 1810.5 | 1828.9 | 1851.9 | 1897.8 | 1980.5 | 2012.6 | 2017.2 | 1828.9 |
| 65° | 1534.8 | 1521.0 | 1534.8 | 1589.9 | 1594.5 | 1622.0 | 1672.6 | 1732.4 | 1801.3 | 1792.1 | 1521.0 |
| 67.5° | 1309.6 | 1309.6 | 1309.6 | 1346.3 | 1373.9 | 1387.7 | 1452.1 | 1479.7 | 1566.9 | 1576.2 | 1268.2 |
| 70° | 1102.8 | 1098.2 | 1102.8 | 1130.4 | 1148.7 | 1181.0 | 1240.7 | 1272.8 | 1341.8 | 1364.7 | 1029.3 |
| 72.5° | 905.3 | 900.6 | 905.3 | 928.2 | 946.6 | 974.1 | 1024.7 | 1061.5 | 1121.2 | 1148.7 | 799.5 |
| 75° | 730.6 | 721.4 | 730.6 | 749.0 | 744.4 | 781.2 | 822.5 | 859.3 | 914.4 | 932.8 | 592.8 |
| 77.5° | 560.6 | 560.6 | 560.6 | 579.0 | 579.0 | 615.8 | 634.2 | 680.0 | 712.3 | 739.8 | 436.6 |
| 80° | 418.2 | 413.6 | 418.2 | 422.7 | 422.7 | 441.2 | 473.3 | 505.4 | 533.0 | 533.0 | 298.7 |
| 82.5° | 294.1 | 284.9 | 294.1 | 294.1 | 294.1 | 303.3 | 321.7 | 330.8 | 349.2 | 363.1 | 188.4 |
| 85° | 183.8 | 183.8 | 183.8 | 188.4 | 183.8 | 193.0 | 197.6 | 206.7 | 206.7 | 197.6 | 114.9 |
| 87.5° | 119.5 | 114.9 | 119.5 | 114.9 | 114.9 | 110.2 | 110.2 | 110.2 | 105.7 | 101.1 | 64.4 |
| 90° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 13.8 | 18.4 | 20.6 | 17.7 | 11.9 | 7.6 |
| 92.5° | 41.5 | 33.2 | 41.5 | 49.6 | 51.7 | 73.2 | 102.0 | 116.4 | 102.2 | 73.8 | 52.5 |
| 95° | 144.3 | 119.4 | 144.3 | 169.2 | 175.4 | 230.4 | 303.6 | 340.3 | 287.4 | 181.6 | 102.3 |
| 97.5° | 345.8 | 298.3 | 345.8 | 393.1 | 405.0 | 439.7 | 486.0 | 509.2 | 421.0 | 244.6 | 112.3 |
| 100° | 498.2 | 441.7 | 498.2 | 554.6 | 568.7 | 566.2 | 562.8 | 561.1 | 463.3 | 267.6 | 120.7 |
| 102.5° | 648.0 | 599.7 | 648.0 | 696.3 | 708.5 | 664.2 | 605.3 | 575.8 | 476.6 | 278.1 | 129.2 |
| 105° | 839.2 | 813.2 | 839.2 | 865.2 | 871.7 | 772.5 | 640.2 | 574.1 | 478.0 | 285.8 | 141.7 |
| 107.5° | 964.4 | 970.7 | 964.4 | 958.1 | 956.6 | 818.2 | 633.7 | 541.5 | 456.7 | 287.3 | 160.2 |
| 110° | 1012.2 | 1039.2 | 1012.2 | 985.1 | 978.3 | 823.6 | 617.4 | 514.3 | 437.9 | 285.1 | 170.5 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 1016.4 | 1058.0 | 1016.4 | 974.9 | 964.4 | 806.1 | 595.1 | 489.6 | 421.4 | 285.2 | 183.0 |
| 115° | 989.4 | 1047.1 | 989.4 | 931.8 | 917.4 | 764.9 | 561.6 | 459.9 | 402.5 | 287.8 | 201.9 |
| 117.5° | 932.3 | 996.2 | 932.3 | 868.4 | 852.4 | 714.8 | 531.3 | 439.5 | 390.8 | 293.2 | 220.0 |
| 120° | 886.2 | 948.3 | 886.2 | 824.1 | 808.6 | 682.9 | 515.1 | 431.3 | 386.7 | 297.5 | 230.6 |
| 122.5° | 841.4 | 902.7 | 841.4 | 780.1 | 764.8 | 651.5 | 500.6 | 425.1 | 384.6 | 303.8 | 243.1 |
| 125° | 777.4 | 833.8 | 777.4 | 721.0 | 706.8 | 610.6 | 482.4 | 418.3 | 383.0 | 312.3 | 259.2 |
| 127.5° | 719.9 | 767.5 | 719.9 | 672.3 | 660.3 | 577.8 | 467.6 | 412.6 | 382.0 | 320.7 | 274.7 |
| 130° | 686.0 | 730.0 | 686.0 | 642.0 | 631.0 | 557.5 | 459.5 | 410.4 | 382.5 | 326.9 | 285.0 |
| 132.5° | 655.2 | 694.6 | 655.2 | 615.9 | 606.0 | 540.2 | 452.4 | 408.5 | 383.0 | 331.8 | 293.5 |
| 135° | 613.1 | 647.0 | 613.1 | 579.1 | 570.6 | 515.5 | 442.0 | 405.2 | 382.6 | 337.3 | 303.2 |
| 137.5° | 579.2 | 607.1 | 579.2 | 551.4 | 544.5 | 497.8 | 435.7 | 404.7 | 385.0 | 345.4 | 315.7 |
| 140° | 556.0 | 582.0 | 556.0 | 530.1 | 523.5 | 483.3 | 429.6 | 402.8 | 385.3 | 350.4 | 324.2 |
| 142.5° | 536.9 | 559.2 | 536.9 | 514.5 | 508.9 | 473.5 | 426.3 | 402.8 | 386.7 | 354.6 | 330.5 |
| 145° | 508.0 | 524.9 | 508.0 | 491.0 | 486.8 | 457.9 | 419.4 | 400.1 | 386.7 | 360.0 | 340.0 |
| 147.5° | 485.9 | 499.9 | 485.9 | 471.9 | 468.3 | 445.6 | 415.3 | 400.1 | 389.4 | 367.9 | 351.9 |
| 150° | 472.0 | 483.3 | 472.0 | 460.5 | 457.7 | 438.6 | 412.9 | 400.1 | 390.8 | 372.1 | 358.2 |
| 152.5° | 460.0 | 468.6 | 460.0 | 451.5 | 449.3 | 432.9 | 411.0 | 400.1 | 391.7 | 374.8 | 362.2 |
| 155° | 446.3 | 452.0 | 446.3 | 440.7 | 439.3 | 426.2 | 408.8 | 400.1 | 393.7 | 380.8 | 371.2 |
| 157.5° | 435.6 | 439.5 | 435.6 | 431.5 | 430.5 | 420.4 | 406.9 | 400.1 | 395.6 | 386.9 | 380.3 |
| 160° | 429.0 | 431.3 | 429.0 | 426.7 | 426.1 | 417.5 | 405.9 | 400.1 | 396.6 | 389.6 | 384.3 |
| 162.5° | 424.8 | 427.0 | 424.8 | 422.6 | 422.1 | 414.7 | 405.0 | 400.1 | 397.5 | 392.5 | 388.7 |
| 165° | 418.7 | 421.0 | 418.7 | 416.4 | 415.8 | 410.6 | 403.6 | 400.1 | 398.9 | 396.6 | 394.9 |
| 167.5° | 414.3 | 415.3 | 414.3 | 413.4 | 413.1 | 409.7 | 405.1 | 402.8 | 401.8 | 399.9 | 398.5 |
| 170° | 413.1 | 413.1 | 413.1 | 413.1 | 413.1 | 409.7 | 405.1 | 402.8 | 402.7 | 402.6 | 402.5 |
| 172.5° | 409.9 | 409.0 | 409.9 | 410.8 | 410.9 | 408.2 | 404.6 | 402.8 | 402.8 | 402.8 | 402.8 |
| 175° | 408.0 | 408.0 | 408.0 | 408.0 | 408.0 | 406.2 | 404.0 | 402.8 | 403.3 | 404.4 | 405.2 |
| 177.5° | 406.2 | 405.2 | 406.2 | 407.1 | 407.4 | 406.1 | 404.2 | 403.3 | 403.8 | 404.6 | 405.2 |
| 180° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 |
| 2.5° | 4926.0 | 4898.5 | 4898.5 | 4852.5 | 4834.1 | 4820.3 | 4797.4 | 4728.4 | 4710.0 | 4691.6 | 4719.2 |
| 5° | 4967.3 | 4916.8 | 4880.0 | 4797.4 | 4728.4 | 4700.9 | 4613.5 | 4448.1 | 4337.8 | 4255.1 | 4209.2 |
| 7.5° | 4976.6 | 4912.2 | 4843.2 | 4714.6 | 4549.2 | 4475.7 | 4209.2 | 3905.9 | 3823.1 | 3749.6 | 3703.6 |
| 10° | 4967.3 | 4893.8 | 4797.4 | 4604.4 | 4213.7 | 4085.1 | 3818.6 | 3621.0 | 3570.4 | 3556.6 | 3570.4 |
| 12.5° | 4935.2 | 4866.2 | 4733.0 | 4411.3 | 3864.5 | 3777.2 | 3621.0 | 3506.1 | 3496.9 | 3519.9 | 3643.9 |
| 15° | 4880.0 | 4815.7 | 4659.5 | 4154.0 | 3671.5 | 3607.2 | 3496.9 | 3455.5 | 3506.1 | 3666.9 | 4039.1 |
| 17.5° | 4824.9 | 4751.4 | 4558.4 | 3901.2 | 3524.5 | 3478.5 | 3400.4 | 3483.2 | 3768.0 | 3984.0 | 4108.1 |
| 20° | 4751.4 | 4664.0 | 4443.5 | 3717.5 | 3418.8 | 3377.4 | 3340.7 | 3712.9 | 3928.9 | 4007.0 | 4075.8 |
| 22.5° | 4664.0 | 4572.1 | 4287.3 | 3588.8 | 3308.5 | 3276.3 | 3299.3 | 3841.5 | 3928.9 | 3984.0 | 4043.7 |
| 25° | 4549.2 | 4471.0 | 4103.5 | 3487.7 | 3221.2 | 3184.4 | 3271.7 | 3827.7 | 3878.3 | 3892.1 | 4011.6 |
| 27.5° | 4443.5 | 4342.4 | 3910.5 | 3395.8 | 3115.5 | 3101.7 | 3294.7 | 3768.0 | 3804.8 | 3818.6 | 3947.2 |
| 30° | 4314.8 | 4163.2 | 3694.5 | 3299.3 | 3005.2 | 3000.6 | 3299.3 | 3694.5 | 3685.3 | 3722.0 | 3850.7 |
| 32.5° | 4181.6 | 3896.7 | 3450.9 | 3179.8 | 2899.5 | 2895.0 | 3267.2 | 3584.2 | 3575.0 | 3625.5 | 3722.0 |
| 35° | 4057.5 | 3689.9 | 3120.1 | 3042.0 | 2766.3 | 2770.9 | 3189.1 | 3455.5 | 3460.2 | 3506.1 | 3565.8 |
| 37.5° | 3928.9 | 3510.7 | 2757.1 | 2890.4 | 2637.6 | 2637.6 | 3083.3 | 3336.1 | 3326.9 | 3340.7 | 3423.4 |
| 40° | 3777.2 | 3230.3 | 2435.4 | 2692.8 | 2518.2 | 2504.3 | 2954.7 | 3207.4 | 3175.2 | 3170.7 | 3285.6 |
| 42.5° | 3616.4 | 2922.5 | 2196.5 | 2430.8 | 2380.3 | 2361.9 | 2798.4 | 3051.2 | 2991.5 | 3005.2 | 3152.2 |
| 45° | 3441.8 | 2839.8 | 2012.6 | 2054.0 | 2237.8 | 2224.1 | 2628.4 | 2872.0 | 2830.6 | 2867.4 | 3019.0 |
| 47.5° | 3267.2 | 2674.4 | 1953.0 | 1704.8 | 2086.2 | 2081.6 | 2440.0 | 2697.4 | 2674.4 | 2711.1 | 2872.0 |
| 50° | 3028.2 | 2490.6 | 1948.4 | 1461.3 | 1916.1 | 1934.5 | 2214.8 | 2527.3 | 2527.3 | 2559.5 | 2729.5 |
| 52.5° | 2720.3 | 2265.4 | 1769.1 | 1323.4 | 1718.5 | 1773.8 | 2017.2 | 2380.3 | 2389.4 | 2421.7 | 2573.3 |
| 55° | 2440.0 | 2031.1 | 1640.4 | 1217.7 | 1484.2 | 1603.7 | 1824.3 | 2228.6 | 2247.1 | 2279.2 | 2417.1 |
| 57.5° | 2182.7 | 1691.0 | 1612.9 | 1093.6 | 1268.2 | 1383.2 | 1654.3 | 2081.6 | 2090.8 | 2118.3 | 2251.6 |
| 60° | 1907.0 | 1222.3 | 1479.7 | 960.4 | 1079.9 | 1167.2 | 1498.0 | 1907.0 | 1939.1 | 1957.5 | 2072.4 |
| 62.5° | 1594.5 | 886.9 | 1341.8 | 868.5 | 988.0 | 1006.4 | 1369.3 | 1741.5 | 1782.9 | 1796.7 | 1865.6 |
| 65° | 1135.0 | 744.4 | 1139.6 | 790.4 | 891.5 | 896.0 | 1231.5 | 1571.5 | 1608.3 | 1631.3 | 1681.8 |
| 67.5° | 767.4 | 606.5 | 868.5 | 716.8 | 817.9 | 822.5 | 1098.2 | 1373.9 | 1424.5 | 1442.9 | 1475.1 |
| 70° | 533.0 | 404.3 | 643.3 | 638.7 | 735.3 | 744.4 | 955.8 | 1194.7 | 1240.7 | 1254.5 | 1272.8 |
| 72.5° | 390.6 | 326.2 | 533.0 | 574.4 | 647.9 | 657.1 | 808.8 | 992.5 | 1038.5 | 1052.2 | 1061.5 |
| 75° | 298.7 | 344.6 | 431.9 | 500.8 | 551.4 | 556.0 | 661.7 | 808.8 | 840.9 | 850.1 | 854.7 |
| 77.5° | 239.0 | 321.7 | 317.1 | 404.3 | 450.3 | 441.2 | 519.3 | 624.9 | 652.5 | 652.5 | 652.5 |
| 80° | 179.2 | 252.7 | 239.0 | 289.5 | 330.8 | 321.7 | 372.2 | 445.7 | 454.9 | 464.1 | 459.6 |
| 82.5° | 133.2 | 160.8 | 160.8 | 183.8 | 220.6 | 211.4 | 248.1 | 289.5 | 289.5 | 289.5 | 298.7 |
| 85° | 82.7 | 91.9 | 73.5 | 96.5 | 124.1 | 119.5 | 137.9 | 156.2 | 160.8 | 160.8 | 151.6 |
| 87.5° | 50.5 | 41.4 | 23.0 | 36.7 | 55.1 | 55.1 | 64.4 | 68.9 | 64.4 | 64.4 | 64.4 |
| 90° | 7.1 | 4.9 | 2.7 | 4.9 | 7.1 | 7.6 | 11.9 | 17.7 | 20.6 | 18.4 | 13.8 |
| 92.5° | 47.9 | 29.3 | 10.9 | 29.3 | 47.9 | 52.5 | 73.8 | 102.2 | 116.4 | 102.0 | 73.2 |
| 95° | 93.8 | 59.9 | 26.1 | 59.9 | 93.8 | 102.3 | 181.6 | 287.4 | 340.3 | 303.6 | 230.4 |
| 97.5° | 104.9 | 75.0 | 45.2 | 75.0 | 104.9 | 112.3 | 244.6 | 421.0 | 509.2 | 486.0 | 439.7 |
| 100° | 114.0 | 86.9 | 59.8 | 86.9 | 114.0 | 120.7 | 267.6 | 463.3 | 561.1 | 562.8 | 566.2 |
| 102.5° | 122.8 | 97.6 | 72.3 | 97.6 | 122.8 | 129.2 | 278.1 | 476.6 | 575.8 | 605.3 | 664.2 |
| 105° | 136.3 | 115.0 | 93.6 | 115.0 | 136.3 | 141.7 | 285.8 | 478.0 | 574.1 | 640.2 | 772.5 |
| 107.5° | 155.2 | 135.2 | 115.3 | 135.2 | 155.2 | 160.2 | 287.3 | 456.7 | 541.5 | 633.7 | 818.2 |
| 110° | 166.0 | 148.0 | 130.0 | 148.0 | 166.0 | 170.5 | 285.1 | 437.9 | 514.3 | 617.4 | 823.6 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 178.8 | 161.6 | 144.5 | 161.6 | 178.8 | 183.0 | 285.2 | 421.4 | 489.6 | 595.1 | 806.1 |
| 115° | 197.9 | 182.0 | 166.2 | 182.0 | 197.9 | 201.9 | 287.8 | 402.5 | 459.9 | 561.6 | 764.9 |
| 117.5° | 216.4 | 202.0 | 187.6 | 202.0 | 216.4 | 220.0 | 293.2 | 390.8 | 439.5 | 531.3 | 714.8 |
| 120° | 227.3 | 213.7 | 200.1 | 213.7 | 227.3 | 230.6 | 297.5 | 386.7 | 431.3 | 515.1 | 682.9 |
| 122.5° | 239.7 | 226.1 | 212.4 | 226.1 | 239.7 | 243.1 | 303.8 | 384.6 | 425.1 | 500.6 | 651.5 |
| 125° | 256.2 | 243.7 | 231.2 | 243.7 | 256.2 | 259.2 | 312.3 | 383.0 | 418.3 | 482.4 | 610.6 |
| 127.5° | 271.5 | 259.0 | 246.4 | 259.0 | 271.5 | 274.7 | 320.7 | 382.0 | 412.6 | 467.6 | 577.8 |
| 130° | 281.7 | 268.1 | 254.5 | 268.1 | 281.7 | 285.0 | 326.9 | 382.5 | 410.4 | 459.5 | 557.5 |
| 132.5° | 290.1 | 276.5 | 263.0 | 276.5 | 290.1 | 293.5 | 331.8 | 383.0 | 408.5 | 452.4 | 540.2 |
| 135° | 300.2 | 287.8 | 275.5 | 287.8 | 300.2 | 303.2 | 337.3 | 382.6 | 405.2 | 442.0 | 515.5 |
| 137.5° | 312.6 | 300.5 | 288.3 | 300.5 | 312.6 | 315.7 | 345.4 | 385.0 | 404.7 | 435.7 | 497.8 |
| 140° | 321.4 | 310.1 | 298.9 | 310.1 | 321.4 | 324.2 | 350.4 | 385.3 | 402.8 | 429.6 | 483.3 |
| 142.5° | 327.8 | 317.4 | 307.0 | 317.4 | 327.8 | 330.5 | 354.6 | 386.7 | 402.8 | 426.3 | 473.5 |
| 145° | 337.7 | 328.7 | 319.6 | 328.7 | 337.7 | 340.0 | 360.0 | 386.7 | 400.1 | 419.4 | 457.9 |
| 147.5° | 349.8 | 340.9 | 332.1 | 340.9 | 349.8 | 351.9 | 367.9 | 389.4 | 400.1 | 415.3 | 445.6 |
| 150° | 356.2 | 348.2 | 340.3 | 348.2 | 356.2 | 358.2 | 372.1 | 390.8 | 400.1 | 412.9 | 438.6 |
| 152.5° | 360.7 | 354.7 | 348.7 | 354.7 | 360.7 | 362.2 | 374.8 | 391.7 | 400.1 | 411.0 | 432.9 |
| 155° | 370.1 | 365.6 | 361.2 | 365.6 | 370.1 | 371.2 | 380.8 | 393.7 | 400.1 | 408.8 | 426.2 |
| 157.5° | 379.2 | 374.7 | 370.4 | 374.7 | 379.2 | 380.3 | 386.9 | 395.6 | 400.1 | 406.9 | 420.4 |
| 160° | 383.5 | 380.1 | 376.7 | 380.1 | 383.5 | 384.3 | 389.6 | 396.6 | 400.1 | 405.9 | 417.5 |
| 162.5° | 388.0 | 385.5 | 383.0 | 385.5 | 388.0 | 388.7 | 392.5 | 397.5 | 400.1 | 405.0 | 414.7 |
| 165° | 394.4 | 392.0 | 389.8 | 392.0 | 394.4 | 394.9 | 396.6 | 398.9 | 400.1 | 403.6 | 410.6 |
| 167.5° | 398.2 | 397.1 | 396.0 | 397.1 | 398.2 | 398.5 | 399.9 | 401.8 | 402.8 | 405.1 | 409.7 |
| 170° | 402.3 | 401.2 | 400.1 | 401.2 | 402.3 | 402.5 | 402.6 | 402.7 | 402.8 | 405.1 | 409.7 |
| 172.5° | 402.7 | 402.5 | 402.3 | 402.5 | 402.7 | 402.8 | 402.8 | 402.8 | 402.8 | 404.6 | 408.2 |
| 175° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 404.4 | 403.3 | 402.8 | 404.0 | 406.2 |
| 177.5° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 404.6 | 403.8 | 403.3 | 404.2 | 406.1 |
| 180° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 |



TEST NUMBER: P934155
 CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 |
| 2.5° | 4687.0 | 4673.3 | 4691.6 | 4641.1 | 4691.6 | 4673.3 | 4687.0 | 4719.2 | 4691.6 | 4710.0 | 4728.4 |
| 5° | 4112.7 | 4089.7 | 4016.1 | 3956.5 | 4016.1 | 4089.7 | 4112.7 | 4209.2 | 4255.1 | 4337.8 | 4448.1 |
| 7.5° | 3676.1 | 3657.8 | 3639.4 | 3602.6 | 3639.4 | 3657.8 | 3676.1 | 3703.6 | 3749.6 | 3823.1 | 3905.9 |
| 10° | 3579.6 | 3584.2 | 3611.8 | 3607.2 | 3611.8 | 3584.2 | 3579.6 | 3570.4 | 3556.6 | 3570.4 | 3621.0 |
| 12.5° | 3827.7 | 3869.1 | 4020.7 | 4011.6 | 4020.7 | 3869.1 | 3827.7 | 3643.9 | 3519.9 | 3496.9 | 3506.1 |
| 15° | 4112.7 | 4126.4 | 4158.6 | 4163.2 | 4158.6 | 4126.4 | 4112.7 | 4039.1 | 3666.9 | 3506.1 | 3455.5 |
| 17.5° | 4140.2 | 4144.8 | 4167.8 | 4167.8 | 4167.8 | 4144.8 | 4140.2 | 4108.1 | 3984.0 | 3768.0 | 3483.2 |
| 20° | 4117.2 | 4126.4 | 4172.4 | 4181.6 | 4172.4 | 4126.4 | 4117.2 | 4075.8 | 4007.0 | 3928.9 | 3712.9 |
| 22.5° | 4108.1 | 4126.4 | 4163.2 | 4158.6 | 4163.2 | 4126.4 | 4108.1 | 4043.7 | 3984.0 | 3928.9 | 3841.5 |
| 25° | 4062.1 | 4062.1 | 4066.7 | 4071.3 | 4066.7 | 4062.1 | 4062.1 | 4011.6 | 3892.1 | 3878.3 | 3827.7 |
| 27.5° | 3965.6 | 3974.8 | 4002.4 | 3997.7 | 4002.4 | 3974.8 | 3965.6 | 3947.2 | 3818.6 | 3804.8 | 3768.0 |
| 30° | 3878.3 | 3869.1 | 3846.1 | 3827.7 | 3846.1 | 3869.1 | 3878.3 | 3850.7 | 3722.0 | 3685.3 | 3694.5 |
| 32.5° | 3731.3 | 3708.3 | 3685.3 | 3671.5 | 3685.3 | 3708.3 | 3731.3 | 3722.0 | 3625.5 | 3575.0 | 3584.2 |
| 35° | 3556.6 | 3561.3 | 3556.6 | 3542.9 | 3556.6 | 3561.3 | 3556.6 | 3565.8 | 3506.1 | 3460.2 | 3455.5 |
| 37.5° | 3432.6 | 3441.8 | 3437.2 | 3418.8 | 3437.2 | 3441.8 | 3432.6 | 3423.4 | 3340.7 | 3326.9 | 3336.1 |
| 40° | 3303.9 | 3308.5 | 3303.9 | 3290.1 | 3303.9 | 3308.5 | 3303.9 | 3285.6 | 3170.7 | 3175.2 | 3207.4 |
| 42.5° | 3179.8 | 3175.2 | 3161.5 | 3152.2 | 3161.5 | 3175.2 | 3179.8 | 3152.2 | 3005.2 | 2991.5 | 3051.2 |
| 45° | 3037.4 | 3042.0 | 3014.4 | 3000.6 | 3014.4 | 3042.0 | 3037.4 | 3019.0 | 2867.4 | 2830.6 | 2872.0 |
| 47.5° | 2895.0 | 2895.0 | 2872.0 | 2858.1 | 2872.0 | 2895.0 | 2895.0 | 2872.0 | 2711.1 | 2674.4 | 2697.4 |
| 50° | 2743.3 | 2738.7 | 2706.5 | 2701.9 | 2706.5 | 2738.7 | 2743.3 | 2729.5 | 2559.5 | 2527.3 | 2527.3 |
| 52.5° | 2568.7 | 2568.7 | 2573.3 | 2582.4 | 2573.3 | 2568.7 | 2568.7 | 2573.3 | 2421.7 | 2389.4 | 2380.3 |
| 55° | 2417.1 | 2421.7 | 2453.8 | 2463.0 | 2453.8 | 2421.7 | 2417.1 | 2417.1 | 2279.2 | 2247.1 | 2228.6 |
| 57.5° | 2260.8 | 2260.8 | 2283.8 | 2283.8 | 2283.8 | 2260.8 | 2260.8 | 2251.6 | 2118.3 | 2090.8 | 2081.6 |
| 60° | 2081.6 | 2090.8 | 2109.2 | 2104.6 | 2109.2 | 2090.8 | 2081.6 | 2072.4 | 1957.5 | 1939.1 | 1907.0 |
| 62.5° | 1893.2 | 1902.4 | 1907.0 | 1897.8 | 1907.0 | 1902.4 | 1893.2 | 1865.6 | 1796.7 | 1782.9 | 1741.5 |
| 65° | 1695.6 | 1704.8 | 1709.4 | 1700.2 | 1709.4 | 1704.8 | 1695.6 | 1681.8 | 1631.3 | 1608.3 | 1571.5 |
| 67.5° | 1493.4 | 1488.8 | 1484.2 | 1502.6 | 1484.2 | 1488.8 | 1493.4 | 1475.1 | 1442.9 | 1424.5 | 1373.9 |
| 70° | 1286.6 | 1286.6 | 1282.1 | 1291.2 | 1282.1 | 1286.6 | 1286.6 | 1272.8 | 1254.5 | 1240.7 | 1194.7 |
| 72.5° | 1066.1 | 1061.5 | 1079.9 | 1066.1 | 1079.9 | 1061.5 | 1066.1 | 1061.5 | 1052.2 | 1038.5 | 992.5 |
| 75° | 850.1 | 859.3 | 850.1 | 863.9 | 850.1 | 859.3 | 850.1 | 854.7 | 850.1 | 840.9 | 808.8 |
| 77.5° | 647.9 | 657.1 | 647.9 | 647.9 | 647.9 | 657.1 | 647.9 | 652.5 | 652.5 | 652.5 | 624.9 |
| 80° | 459.6 | 454.9 | 454.9 | 450.3 | 454.9 | 454.9 | 459.6 | 459.6 | 464.1 | 454.9 | 445.7 |
| 82.5° | 294.1 | 289.5 | 289.5 | 298.7 | 289.5 | 289.5 | 294.1 | 298.7 | 289.5 | 289.5 | 289.5 |
| 85° | 160.8 | 165.5 | 156.2 | 156.2 | 156.2 | 165.5 | 160.8 | 151.6 | 160.8 | 160.8 | 156.2 |
| 87.5° | 59.7 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 59.7 | 64.4 | 64.4 | 64.4 | 68.9 |
| 90° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 13.8 | 18.4 | 20.6 | 17.7 |
| 92.5° | 51.7 | 49.6 | 41.5 | 33.2 | 41.5 | 49.6 | 51.7 | 73.2 | 102.0 | 116.4 | 102.2 |
| 95° | 175.4 | 169.2 | 144.3 | 119.4 | 144.3 | 169.2 | 175.4 | 230.4 | 303.6 | 340.3 | 287.4 |
| 97.5° | 405.0 | 393.1 | 345.8 | 298.3 | 345.8 | 393.1 | 405.0 | 439.7 | 486.0 | 509.2 | 421.0 |
| 100° | 568.7 | 554.6 | 498.2 | 441.7 | 498.2 | 554.6 | 568.7 | 566.2 | 562.8 | 561.1 | 463.3 |
| 102.5° | 708.5 | 696.3 | 648.0 | 599.7 | 648.0 | 696.3 | 708.5 | 664.2 | 605.3 | 575.8 | 476.6 |
| 105° | 871.7 | 865.2 | 839.2 | 813.2 | 839.2 | 865.2 | 871.7 | 772.5 | 640.2 | 574.1 | 478.0 |
| 107.5° | 956.6 | 958.1 | 964.4 | 970.7 | 964.4 | 958.1 | 956.6 | 818.2 | 633.7 | 541.5 | 456.7 |
| 110° | 978.3 | 985.1 | 1012.2 | 1039.2 | 1012.2 | 985.1 | 978.3 | 823.6 | 617.4 | 514.3 | 437.9 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|-------|--------|--------|--------|-------|--------|-------|-------|-------|-------|
| 112.5° | 964.4 | 974.9 | 1016.4 | 1058.0 | 1016.4 | 974.9 | 964.4 | 806.1 | 595.1 | 489.6 | 421.4 |
| 115° | 917.4 | 931.8 | 989.4 | 1047.1 | 989.4 | 931.8 | 917.4 | 764.9 | 561.6 | 459.9 | 402.5 |
| 117.5° | 852.4 | 868.4 | 932.3 | 996.2 | 932.3 | 868.4 | 852.4 | 714.8 | 531.3 | 439.5 | 390.8 |
| 120° | 808.6 | 824.1 | 886.2 | 948.3 | 886.2 | 824.1 | 808.6 | 682.9 | 515.1 | 431.3 | 386.7 |
| 122.5° | 764.8 | 780.1 | 841.4 | 902.7 | 841.4 | 780.1 | 764.8 | 651.5 | 500.6 | 425.1 | 384.6 |
| 125° | 706.8 | 721.0 | 777.4 | 833.8 | 777.4 | 721.0 | 706.8 | 610.6 | 482.4 | 418.3 | 383.0 |
| 127.5° | 660.3 | 672.3 | 719.9 | 767.5 | 719.9 | 672.3 | 660.3 | 577.8 | 467.6 | 412.6 | 382.0 |
| 130° | 631.0 | 642.0 | 686.0 | 730.0 | 686.0 | 642.0 | 631.0 | 557.5 | 459.5 | 410.4 | 382.5 |
| 132.5° | 606.0 | 615.9 | 655.2 | 694.6 | 655.2 | 615.9 | 606.0 | 540.2 | 452.4 | 408.5 | 383.0 |
| 135° | 570.6 | 579.1 | 613.1 | 647.0 | 613.1 | 579.1 | 570.6 | 515.5 | 442.0 | 405.2 | 382.6 |
| 137.5° | 544.5 | 551.4 | 579.2 | 607.1 | 579.2 | 551.4 | 544.5 | 497.8 | 435.7 | 404.7 | 385.0 |
| 140° | 523.5 | 530.1 | 556.0 | 582.0 | 556.0 | 530.1 | 523.5 | 483.3 | 429.6 | 402.8 | 385.3 |
| 142.5° | 508.9 | 514.5 | 536.9 | 559.2 | 536.9 | 514.5 | 508.9 | 473.5 | 426.3 | 402.8 | 386.7 |
| 145° | 486.8 | 491.0 | 508.0 | 524.9 | 508.0 | 491.0 | 486.8 | 457.9 | 419.4 | 400.1 | 386.7 |
| 147.5° | 468.3 | 471.9 | 485.9 | 499.9 | 485.9 | 471.9 | 468.3 | 445.6 | 415.3 | 400.1 | 389.4 |
| 150° | 457.7 | 460.5 | 472.0 | 483.3 | 472.0 | 460.5 | 457.7 | 438.6 | 412.9 | 400.1 | 390.8 |
| 152.5° | 449.3 | 451.5 | 460.0 | 468.6 | 460.0 | 451.5 | 449.3 | 432.9 | 411.0 | 400.1 | 391.7 |
| 155° | 439.3 | 440.7 | 446.3 | 452.0 | 446.3 | 440.7 | 439.3 | 426.2 | 408.8 | 400.1 | 393.7 |
| 157.5° | 430.5 | 431.5 | 435.6 | 439.5 | 435.6 | 431.5 | 430.5 | 420.4 | 406.9 | 400.1 | 395.6 |
| 160° | 426.1 | 426.7 | 429.0 | 431.3 | 429.0 | 426.7 | 426.1 | 417.5 | 405.9 | 400.1 | 396.6 |
| 162.5° | 422.1 | 422.6 | 424.8 | 427.0 | 424.8 | 422.6 | 422.1 | 414.7 | 405.0 | 400.1 | 397.5 |
| 165° | 415.8 | 416.4 | 418.7 | 421.0 | 418.7 | 416.4 | 415.8 | 410.6 | 403.6 | 400.1 | 398.9 |
| 167.5° | 413.1 | 413.4 | 414.3 | 415.3 | 414.3 | 413.4 | 413.1 | 409.7 | 405.1 | 402.8 | 401.8 |
| 170° | 413.1 | 413.1 | 413.1 | 413.1 | 413.1 | 413.1 | 413.1 | 409.7 | 405.1 | 402.8 | 402.7 |
| 172.5° | 410.9 | 410.8 | 409.9 | 409.0 | 409.9 | 410.8 | 410.9 | 408.2 | 404.6 | 402.8 | 402.8 |
| 175° | 408.0 | 408.0 | 408.0 | 408.0 | 408.0 | 408.0 | 408.0 | 406.2 | 404.0 | 402.8 | 403.3 |
| 177.5° | 407.4 | 407.1 | 406.2 | 405.2 | 406.2 | 407.1 | 407.4 | 406.1 | 404.2 | 403.3 | 403.8 |
| 180° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4857.1 | 4857.1 | 4857.1 | 4857.1 | 4857.1 |
| 2.5° | 4797.4 | 4820.3 | 4834.1 | 4852.5 | 4898.5 |
| 5° | 4613.5 | 4700.9 | 4728.4 | 4797.4 | 4880.0 |
| 7.5° | 4209.2 | 4475.7 | 4549.2 | 4714.6 | 4843.2 |
| 10° | 3818.6 | 4085.1 | 4213.7 | 4604.4 | 4797.4 |
| 12.5° | 3621.0 | 3777.2 | 3864.5 | 4411.3 | 4733.0 |
| 15° | 3496.9 | 3607.2 | 3671.5 | 4154.0 | 4659.5 |
| 17.5° | 3400.4 | 3478.5 | 3524.5 | 3901.2 | 4558.4 |
| 20° | 3340.7 | 3377.4 | 3418.8 | 3717.5 | 4443.5 |
| 22.5° | 3299.3 | 3276.3 | 3308.5 | 3588.8 | 4287.3 |
| 25° | 3271.7 | 3184.4 | 3221.2 | 3487.7 | 4103.5 |
| 27.5° | 3294.7 | 3101.7 | 3115.5 | 3395.8 | 3910.5 |
| 30° | 3299.3 | 3000.6 | 3005.2 | 3299.3 | 3694.5 |
| 32.5° | 3267.2 | 2895.0 | 2899.5 | 3179.8 | 3450.9 |
| 35° | 3189.1 | 2770.9 | 2766.3 | 3042.0 | 3120.1 |
| 37.5° | 3083.3 | 2637.6 | 2637.6 | 2890.4 | 2757.1 |
| 40° | 2954.7 | 2504.3 | 2518.2 | 2692.8 | 2435.4 |
| 42.5° | 2798.4 | 2361.9 | 2380.3 | 2430.8 | 2196.5 |
| 45° | 2628.4 | 2224.1 | 2237.8 | 2054.0 | 2012.6 |
| 47.5° | 2440.0 | 2081.6 | 2086.2 | 1704.8 | 1953.0 |
| 50° | 2214.8 | 1934.5 | 1916.1 | 1461.3 | 1948.4 |
| 52.5° | 2017.2 | 1773.8 | 1718.5 | 1323.4 | 1769.1 |
| 55° | 1824.3 | 1603.7 | 1484.2 | 1217.7 | 1640.4 |
| 57.5° | 1654.3 | 1383.2 | 1268.2 | 1093.6 | 1612.9 |
| 60° | 1498.0 | 1167.2 | 1079.9 | 960.4 | 1479.7 |
| 62.5° | 1369.3 | 1006.4 | 988.0 | 868.5 | 1341.8 |
| 65° | 1231.5 | 896.0 | 891.5 | 790.4 | 1139.6 |
| 67.5° | 1098.2 | 822.5 | 817.9 | 716.8 | 868.5 |
| 70° | 955.8 | 744.4 | 735.3 | 638.7 | 643.3 |
| 72.5° | 808.8 | 657.1 | 647.9 | 574.4 | 533.0 |
| 75° | 661.7 | 556.0 | 551.4 | 500.8 | 431.9 |
| 77.5° | 519.3 | 441.2 | 450.3 | 404.3 | 317.1 |
| 80° | 372.2 | 321.7 | 330.8 | 289.5 | 239.0 |
| 82.5° | 248.1 | 211.4 | 220.6 | 183.8 | 160.8 |
| 85° | 137.9 | 119.5 | 124.1 | 96.5 | 73.5 |
| 87.5° | 64.4 | 55.1 | 55.1 | 36.7 | 23.0 |
| 90° | 11.9 | 7.6 | 7.1 | 4.9 | 2.7 |
| 92.5° | 73.8 | 52.5 | 47.9 | 29.3 | 10.9 |
| 95° | 181.6 | 102.3 | 93.8 | 59.9 | 26.1 |
| 97.5° | 244.6 | 112.3 | 104.9 | 75.0 | 45.2 |
| 100° | 267.6 | 120.7 | 114.0 | 86.9 | 59.8 |
| 102.5° | 278.1 | 129.2 | 122.8 | 97.6 | 72.3 |
| 105° | 285.8 | 141.7 | 136.3 | 115.0 | 93.6 |
| 107.5° | 287.3 | 160.2 | 155.2 | 135.2 | 115.3 |
| 110° | 285.1 | 170.5 | 166.0 | 148.0 | 130.0 |



TEST NUMBER: P934155

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 285.2 | 183.0 | 178.8 | 161.6 | 144.5 |
| 115° | 287.8 | 201.9 | 197.9 | 182.0 | 166.2 |
| 117.5° | 293.2 | 220.0 | 216.4 | 202.0 | 187.6 |
| 120° | 297.5 | 230.6 | 227.3 | 213.7 | 200.1 |
| 122.5° | 303.8 | 243.1 | 239.7 | 226.1 | 212.4 |
| 125° | 312.3 | 259.2 | 256.2 | 243.7 | 231.2 |
| 127.5° | 320.7 | 274.7 | 271.5 | 259.0 | 246.4 |
| 130° | 326.9 | 285.0 | 281.7 | 268.1 | 254.5 |
| 132.5° | 331.8 | 293.5 | 290.1 | 276.5 | 263.0 |
| 135° | 337.3 | 303.2 | 300.2 | 287.8 | 275.5 |
| 137.5° | 345.4 | 315.7 | 312.6 | 300.5 | 288.3 |
| 140° | 350.4 | 324.2 | 321.4 | 310.1 | 298.9 |
| 142.5° | 354.6 | 330.5 | 327.8 | 317.4 | 307.0 |
| 145° | 360.0 | 340.0 | 337.7 | 328.7 | 319.6 |
| 147.5° | 367.9 | 351.9 | 349.8 | 340.9 | 332.1 |
| 150° | 372.1 | 358.2 | 356.2 | 348.2 | 340.3 |
| 152.5° | 374.8 | 362.2 | 360.7 | 354.7 | 348.7 |
| 155° | 380.8 | 371.2 | 370.1 | 365.6 | 361.2 |
| 157.5° | 386.9 | 380.3 | 379.2 | 374.7 | 370.4 |
| 160° | 389.6 | 384.3 | 383.5 | 380.1 | 376.7 |
| 162.5° | 392.5 | 388.7 | 388.0 | 385.5 | 383.0 |
| 165° | 396.6 | 394.9 | 394.4 | 392.0 | 389.8 |
| 167.5° | 399.9 | 398.5 | 398.2 | 397.1 | 396.0 |
| 170° | 402.6 | 402.5 | 402.3 | 401.2 | 400.1 |
| 172.5° | 402.8 | 402.8 | 402.7 | 402.5 | 402.3 |
| 175° | 404.4 | 405.2 | 405.2 | 405.2 | 405.2 |
| 177.5° | 404.6 | 405.2 | 405.2 | 405.2 | 405.2 |
| 180° | 405.2 | 405.2 | 405.2 | 405.2 | 405.2 |



TEST NUMBER: P934155
 CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-4000K

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 | 16.84 | 18.10 | 17.45 | 18.72 | 19.43 | 19.69 | 20.95 | 20.30 | 21.57 | 22.28 |
| | 3H | 17.34 | 18.48 | 17.97 | 19.11 | 19.86 | 21.07 | 22.20 | 21.70 | 22.84 | 23.58 |
| | 4H | 17.55 | 18.62 | 18.20 | 19.27 | 20.03 | 21.54 | 22.60 | 22.18 | 23.25 | 24.01 |
| | 6H | 17.69 | 18.68 | 18.35 | 19.34 | 20.11 | 21.85 | 22.83 | 22.51 | 23.49 | 24.27 |
| | 8H | 17.70 | 18.64 | 18.38 | 19.32 | 20.10 | 21.94 | 22.87 | 22.61 | 23.55 | 24.33 |
| | 12H | 17.69 | 18.58 | 18.37 | 19.26 | 20.06 | 21.99 | 22.89 | 22.67 | 23.56 | 24.37 |
| 4H | 2H | 17.92 | 18.99 | 18.57 | 19.64 | 20.40 | 20.14 | 21.21 | 20.79 | 21.86 | 22.62 |
| | 3H | 18.98 | 19.87 | 19.65 | 20.56 | 21.34 | 21.69 | 22.58 | 22.36 | 23.27 | 24.05 |
| | 4H | 19.28 | 20.08 | 19.96 | 20.78 | 21.59 | 22.24 | 23.05 | 22.92 | 23.74 | 24.55 |
| | 6H | 19.42 | 20.12 | 20.13 | 20.84 | 21.66 | 22.63 | 23.33 | 23.33 | 24.05 | 24.87 |
| | 8H | 19.44 | 20.09 | 20.14 | 20.81 | 21.64 | 22.75 | 23.41 | 23.46 | 24.12 | 24.95 |
| | 12H | 19.42 | 20.01 | 20.15 | 20.75 | 21.59 | 22.83 | 23.42 | 23.56 | 24.16 | 25.00 |
| 8H | 4H | 19.77 | 20.42 | 20.47 | 21.13 | 21.97 | 22.40 | 23.05 | 23.10 | 23.76 | 24.60 |
| | 6H | 20.04 | 20.59 | 20.78 | 21.34 | 22.18 | 22.85 | 23.40 | 23.59 | 24.15 | 24.99 |
| | 8H | 20.09 | 20.57 | 20.84 | 21.33 | 22.18 | 23.01 | 23.50 | 23.76 | 24.26 | 25.11 |
| | 12H | 20.09 | 20.52 | 20.84 | 21.27 | 22.18 | 23.13 | 23.56 | 23.88 | 24.31 | 25.22 |
| 12H | 4H | 19.79 | 20.38 | 20.52 | 21.12 | 21.96 | 22.38 | 22.97 | 23.11 | 23.71 | 24.54 |
| | 6H | 20.11 | 20.59 | 20.86 | 21.35 | 22.20 | 22.85 | 23.34 | 23.60 | 24.10 | 24.95 |
| | 8H | 20.19 | 20.62 | 20.94 | 21.37 | 22.28 | 23.04 | 23.46 | 23.79 | 24.21 | 25.13 |