

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: P933884

Luminaire Tested: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933884
REPORT IS A COMBINATION OF REPORTS P933674 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

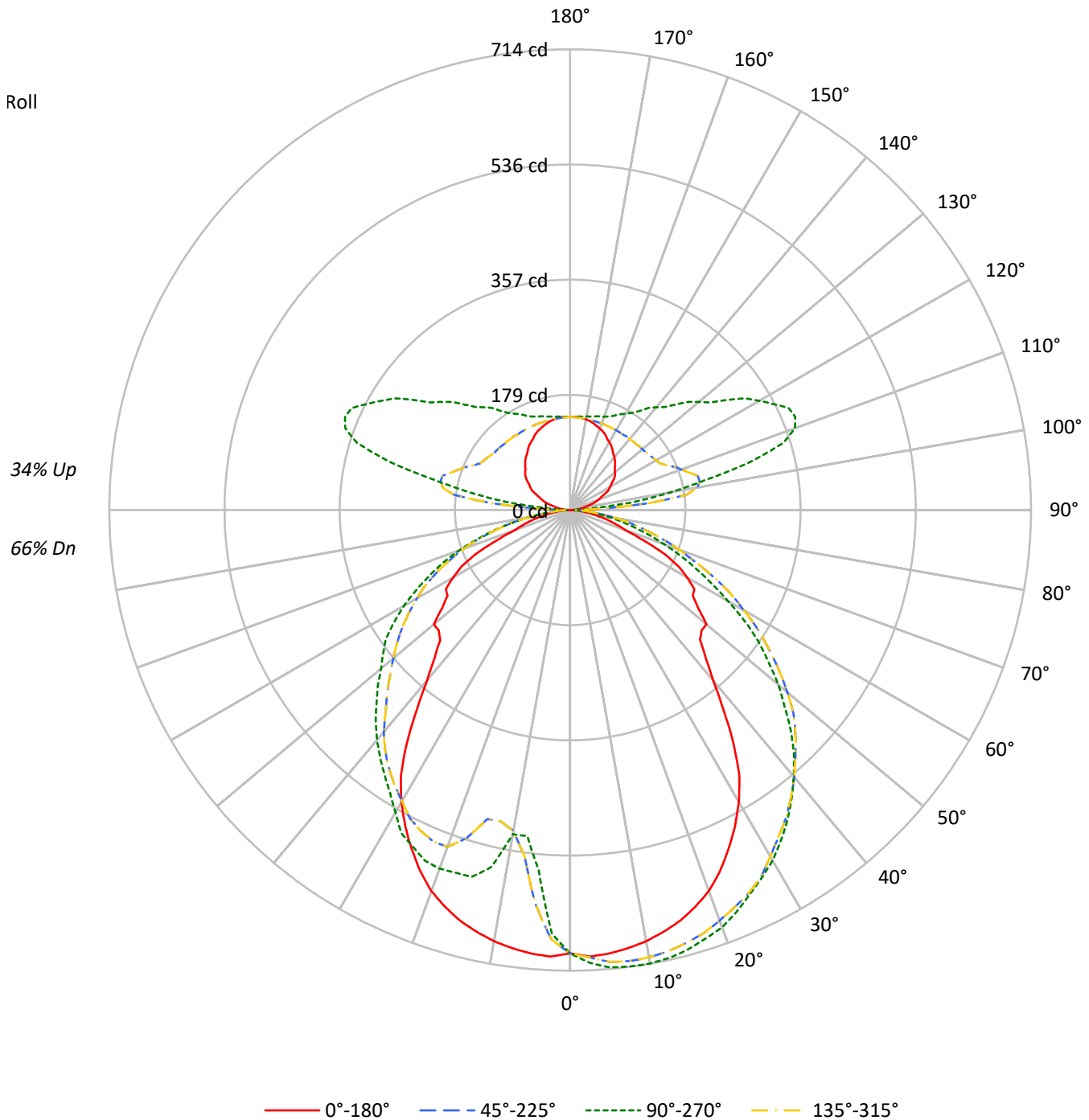
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): 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: P933884
CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.0 | 2.3 |
| 10°-20° | 176.0 | 6.5 |
| 20°-30° | 272.1 | 10.0 |
| 30°-40° | 324.9 | 11.9 |
| 40°-50° | 326.8 | 12.0 |
| 50°-60° | 284.3 | 10.5 |
| 60°-70° | 201.6 | 7.4 |
| 70°-80° | 106.7 | 3.9 |
| 80°-90° | 27.1 | 1.0 |
| 90°-100° | 70.5 | 2.6 |
| 100°-110° | 185.3 | 6.8 |
| 110°-120° | 192.2 | 7.1 |
| 120°-130° | 154.1 | 5.7 |
| 130°-140° | 120.9 | 4.4 |
| 140°-150° | 92.8 | 3.4 |
| 150°-160° | 66.8 | 2.5 |
| 160°-170° | 40.9 | 1.5 |
| 170°-180° | 13.8 | 0.5 |
| 0°-30° | 510.2 | 18.8 |
| 0°-40° | 835.1 | 30.7 |
| 0°-60° | 1446.2 | 53.2 |
| 0°-90° | 1781.6 | 65.5 |
| 90°-120° | 448.0 | 16.5 |
| 90°-150° | 815.9 | 30.0 |
| 90°-180° | 937.0 | 34.5 |
| 0°-180° | 2719.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 687 | 687 | 687 | 687 | 687 | |
| 5° | 690 | 712 | 690 | 560 | 690 | 65 |
| 15° | 659 | 705 | 659 | 589 | 659 | 185 |
| 25° | 580 | 658 | 580 | 576 | 580 | 266 |
| 35° | 441 | 587 | 441 | 501 | 441 | 273 |
| 45° | 285 | 484 | 285 | 424 | 285 | 228 |
| 55° | 232 | 357 | 232 | 348 | 232 | 213 |
| 65° | 161 | 215 | 161 | 240 | 161 | 154 |
| 75° | 61 | 102 | 61 | 122 | 61 | 64 |
| 85° | 10 | 26 | 10 | 22 | 10 | 14 |
| 90° | 1 | 4 | 1 | 4 | 1 | 1 |
| 95° | 9 | 43 | 9 | 43 | 9 | 10 |
| 105° | 33 | 290 | 33 | 290 | 33 | 35 |
| 115° | 59 | 374 | 59 | 374 | 59 | 59 |
| 125° | 82 | 298 | 82 | 298 | 82 | 73 |
| 135° | 98 | 231 | 98 | 231 | 98 | 76 |
| 145° | 114 | 187 | 114 | 187 | 114 | 71 |
| 155° | 129 | 161 | 129 | 161 | 129 | 59 |
| 165° | 139 | 150 | 139 | 150 | 139 | 39 |
| 175° | 145 | 146 | 145 | 146 | 145 | 14 |
| 180° | 145 | 145 | 145 | 145 | 145 | |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 2.5° | 692.7 | 692.7 | 696.6 | 698.0 | 698.0 | 696.0 | 694.1 | 696.0 | 701.8 | 703.8 | 703.1 |
| 5° | 690.1 | 695.4 | 702.5 | 703.8 | 705.1 | 704.5 | 703.1 | 704.5 | 711.0 | 712.2 | 712.9 |
| 7.5° | 685.0 | 694.7 | 703.8 | 705.7 | 707.7 | 705.7 | 705.1 | 706.4 | 712.9 | 714.2 | 714.2 |
| 10° | 678.5 | 692.1 | 702.5 | 703.8 | 705.7 | 703.8 | 703.8 | 706.4 | 712.9 | 714.2 | 714.8 |
| 12.5° | 669.4 | 688.2 | 698.0 | 699.2 | 701.8 | 701.2 | 700.6 | 703.1 | 709.7 | 711.0 | 711.0 |
| 15° | 658.9 | 681.0 | 690.1 | 691.5 | 696.0 | 694.7 | 694.7 | 697.3 | 704.5 | 706.4 | 705.7 |
| 17.5° | 644.7 | 672.0 | 682.4 | 684.3 | 687.6 | 686.9 | 687.6 | 690.1 | 696.6 | 698.0 | 698.6 |
| 20° | 628.4 | 659.6 | 672.0 | 673.9 | 677.1 | 677.1 | 677.1 | 680.4 | 686.9 | 689.5 | 689.5 |
| 22.5° | 606.3 | 646.6 | 659.6 | 661.0 | 664.8 | 664.8 | 666.1 | 670.6 | 676.5 | 677.1 | 677.1 |
| 25° | 580.3 | 632.3 | 643.3 | 647.3 | 651.2 | 653.1 | 655.0 | 657.7 | 659.6 | 658.9 | 659.6 |
| 27.5° | 553.0 | 614.2 | 628.4 | 631.0 | 636.2 | 638.2 | 640.8 | 641.4 | 642.1 | 644.0 | 642.7 |
| 30° | 522.5 | 588.8 | 610.2 | 612.8 | 621.2 | 622.6 | 620.0 | 621.2 | 624.5 | 625.8 | 627.1 |
| 32.5° | 488.1 | 551.1 | 591.4 | 597.2 | 605.0 | 601.2 | 600.5 | 602.4 | 607.7 | 607.7 | 608.9 |
| 35° | 441.3 | 521.8 | 573.8 | 579.1 | 584.9 | 580.3 | 583.0 | 583.5 | 586.8 | 588.8 | 588.1 |
| 37.5° | 389.9 | 496.5 | 555.6 | 559.5 | 564.1 | 558.2 | 562.1 | 564.1 | 566.7 | 565.4 | 565.4 |
| 40° | 344.4 | 456.9 | 534.2 | 536.8 | 540.7 | 536.1 | 540.0 | 541.4 | 542.6 | 541.4 | 540.7 |
| 42.5° | 310.7 | 413.3 | 511.4 | 514.7 | 512.1 | 515.3 | 516.7 | 519.3 | 517.3 | 514.7 | 514.7 |
| 45° | 284.6 | 401.7 | 486.7 | 490.6 | 486.7 | 492.0 | 493.9 | 493.9 | 488.1 | 486.7 | 486.1 |
| 47.5° | 276.2 | 378.2 | 462.0 | 462.0 | 460.1 | 466.6 | 469.9 | 465.3 | 459.5 | 457.5 | 457.5 |
| 50° | 275.6 | 352.2 | 428.3 | 425.7 | 434.8 | 442.5 | 439.3 | 434.8 | 430.2 | 423.1 | 423.1 |
| 52.5° | 250.2 | 320.4 | 384.7 | 394.5 | 408.7 | 413.3 | 408.1 | 403.6 | 395.7 | 392.5 | 389.9 |
| 55° | 232.0 | 287.2 | 345.1 | 364.5 | 379.6 | 385.4 | 375.6 | 371.0 | 359.4 | 357.5 | 356.1 |
| 57.5° | 228.1 | 239.1 | 308.7 | 333.3 | 351.6 | 351.0 | 345.1 | 336.6 | 326.8 | 324.9 | 324.3 |
| 60° | 209.3 | 172.9 | 269.7 | 298.9 | 317.7 | 315.8 | 310.7 | 302.8 | 293.7 | 292.4 | 291.2 |
| 62.5° | 189.7 | 125.4 | 225.5 | 258.6 | 285.3 | 284.6 | 280.1 | 268.4 | 261.9 | 258.6 | 256.0 |
| 65° | 161.1 | 105.2 | 160.6 | 215.1 | 253.5 | 254.8 | 245.0 | 236.5 | 229.4 | 225.5 | 224.8 |
| 67.5° | 122.9 | 85.8 | 108.5 | 179.4 | 222.9 | 221.6 | 209.3 | 205.3 | 196.2 | 194.3 | 190.4 |
| 70° | 91.0 | 57.2 | 75.4 | 145.5 | 193.0 | 189.7 | 180.0 | 175.5 | 167.1 | 162.5 | 159.9 |
| 72.5° | 75.4 | 46.1 | 55.2 | 113.1 | 162.5 | 158.5 | 150.1 | 145.0 | 137.8 | 133.9 | 131.3 |
| 75° | 61.0 | 48.7 | 42.2 | 83.8 | 131.9 | 129.4 | 121.5 | 116.3 | 110.5 | 105.2 | 105.9 |
| 77.5° | 44.9 | 45.4 | 33.8 | 61.7 | 104.7 | 100.8 | 96.2 | 89.7 | 87.1 | 81.9 | 81.9 |
| 80° | 33.8 | 35.8 | 25.4 | 42.2 | 75.4 | 75.4 | 71.5 | 67.0 | 62.4 | 59.8 | 59.8 |
| 82.5° | 22.8 | 22.8 | 18.8 | 26.6 | 51.4 | 49.4 | 46.8 | 45.4 | 42.9 | 41.6 | 41.6 |
| 85° | 10.4 | 13.0 | 11.7 | 16.3 | 27.9 | 29.3 | 29.3 | 27.9 | 27.3 | 26.0 | 26.6 |
| 87.5° | 3.3 | 5.8 | 7.2 | 9.1 | 14.3 | 14.9 | 15.6 | 15.6 | 15.6 | 16.3 | 16.3 |
| 90° | 1.0 | 1.7 | 2.5 | 2.7 | 4.3 | 6.3 | 7.4 | 6.6 | 4.9 | 3.7 | 3.7 |
| 92.5° | 3.9 | 10.5 | 17.1 | 18.7 | 26.4 | 36.5 | 41.6 | 36.4 | 26.2 | 18.4 | 17.6 |
| 95° | 9.3 | 21.4 | 33.5 | 36.5 | 64.8 | 102.5 | 121.4 | 108.3 | 82.2 | 62.6 | 60.4 |
| 97.5° | 16.1 | 26.7 | 37.4 | 40.1 | 87.3 | 150.2 | 181.7 | 173.5 | 156.9 | 144.5 | 140.2 |
| 100° | 21.3 | 31.0 | 40.7 | 43.1 | 95.4 | 165.3 | 200.2 | 200.8 | 202.0 | 202.9 | 197.9 |
| 102.5° | 25.8 | 34.8 | 43.9 | 46.1 | 99.2 | 170.1 | 205.4 | 216.0 | 237.0 | 252.8 | 248.5 |
| 105° | 33.4 | 41.1 | 48.6 | 50.6 | 102.0 | 170.5 | 204.8 | 228.5 | 275.7 | 311.0 | 308.7 |
| 107.5° | 41.2 | 48.3 | 55.4 | 57.2 | 102.5 | 163.0 | 193.2 | 226.2 | 292.0 | 341.4 | 342.0 |
| 110° | 46.4 | 52.8 | 59.2 | 60.9 | 101.7 | 156.3 | 183.5 | 220.4 | 293.9 | 349.1 | 351.6 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 51.6 | 57.7 | 63.8 | 65.3 | 101.7 | 150.4 | 174.7 | 212.4 | 287.7 | 344.2 | 347.9 |
| 115° | 59.3 | 64.9 | 70.5 | 72.0 | 102.7 | 143.7 | 164.1 | 200.4 | 273.0 | 327.3 | 332.5 |
| 117.5° | 67.0 | 72.1 | 77.2 | 78.5 | 104.7 | 139.4 | 156.9 | 189.6 | 255.0 | 304.2 | 309.9 |
| 120° | 71.4 | 76.3 | 81.1 | 82.3 | 106.1 | 138.0 | 153.9 | 183.8 | 243.7 | 288.6 | 294.1 |
| 122.5° | 75.8 | 80.6 | 85.5 | 86.7 | 108.3 | 137.2 | 151.6 | 178.6 | 232.5 | 272.9 | 278.3 |
| 125° | 82.5 | 86.9 | 91.4 | 92.5 | 111.4 | 136.6 | 149.2 | 172.1 | 217.9 | 252.2 | 257.3 |
| 127.5° | 87.9 | 92.4 | 96.9 | 98.1 | 114.4 | 136.2 | 147.2 | 166.9 | 206.2 | 235.7 | 239.9 |
| 130° | 90.8 | 95.6 | 100.5 | 101.7 | 116.7 | 136.5 | 146.4 | 164.0 | 198.9 | 225.2 | 229.1 |
| 132.5° | 93.9 | 98.7 | 103.6 | 104.7 | 118.4 | 136.6 | 145.7 | 161.4 | 192.7 | 216.3 | 219.8 |
| 135° | 98.4 | 102.7 | 107.2 | 108.2 | 120.3 | 136.5 | 144.6 | 157.7 | 183.9 | 203.6 | 206.6 |
| 137.5° | 102.9 | 107.3 | 111.6 | 112.7 | 123.3 | 137.3 | 144.4 | 155.4 | 177.6 | 194.3 | 196.8 |
| 140° | 106.7 | 110.7 | 114.7 | 115.7 | 125.0 | 137.5 | 143.7 | 153.3 | 172.5 | 186.8 | 189.1 |
| 142.5° | 109.6 | 113.3 | 117.0 | 117.9 | 126.6 | 138.0 | 143.7 | 152.1 | 169.0 | 181.6 | 183.6 |
| 145° | 114.1 | 117.2 | 120.5 | 121.3 | 128.5 | 138.0 | 142.7 | 149.6 | 163.4 | 173.7 | 175.3 |
| 147.5° | 118.5 | 121.6 | 124.8 | 125.6 | 131.3 | 139.0 | 142.7 | 148.2 | 159.0 | 167.2 | 168.4 |
| 150° | 121.4 | 124.2 | 127.1 | 127.8 | 132.8 | 139.4 | 142.7 | 147.3 | 156.5 | 163.4 | 164.3 |
| 152.5° | 124.4 | 126.6 | 128.7 | 129.3 | 133.7 | 139.7 | 142.7 | 146.6 | 154.5 | 160.4 | 161.1 |
| 155° | 128.9 | 130.4 | 132.1 | 132.5 | 135.9 | 140.4 | 142.7 | 145.8 | 152.1 | 156.8 | 157.3 |
| 157.5° | 132.2 | 133.7 | 135.3 | 135.7 | 138.0 | 141.2 | 142.7 | 145.2 | 150.0 | 153.6 | 154.0 |
| 160° | 134.4 | 135.6 | 136.8 | 137.1 | 139.0 | 141.5 | 142.7 | 144.8 | 148.9 | 152.0 | 152.2 |
| 162.5° | 136.6 | 137.5 | 138.5 | 138.7 | 140.0 | 141.9 | 142.7 | 144.5 | 148.0 | 150.6 | 150.8 |
| 165° | 139.1 | 139.8 | 140.7 | 140.9 | 141.5 | 142.3 | 142.7 | 144.0 | 146.5 | 148.4 | 148.5 |
| 167.5° | 141.3 | 141.7 | 142.1 | 142.2 | 142.6 | 143.3 | 143.7 | 144.5 | 146.1 | 147.4 | 147.5 |
| 170° | 142.7 | 143.1 | 143.5 | 143.6 | 143.6 | 143.7 | 143.7 | 144.5 | 146.1 | 147.4 | 147.4 |
| 172.5° | 143.5 | 143.6 | 143.7 | 143.7 | 143.7 | 143.7 | 143.7 | 144.4 | 145.6 | 146.6 | 146.5 |
| 175° | 144.6 | 144.6 | 144.6 | 144.6 | 144.3 | 143.9 | 143.7 | 144.1 | 145.0 | 145.5 | 145.5 |
| 177.5° | 144.6 | 144.6 | 144.6 | 144.6 | 144.4 | 144.1 | 143.9 | 144.2 | 144.9 | 145.4 | 145.3 |
| 180° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 0° | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 2.5° | 704.5 | 702.5 | 704.5 | 703.1 | 703.8 | 701.8 | 696.0 | 694.1 | 696.0 | 698.0 | 698.0 |
| 5° | 712.9 | 711.6 | 712.9 | 712.9 | 712.2 | 711.0 | 704.5 | 703.1 | 704.5 | 705.1 | 703.8 |
| 7.5° | 715.5 | 713.6 | 715.5 | 714.2 | 714.2 | 712.9 | 706.4 | 705.1 | 705.7 | 707.7 | 705.7 |
| 10° | 715.5 | 713.6 | 715.5 | 714.8 | 714.2 | 712.9 | 706.4 | 703.8 | 703.8 | 705.7 | 703.8 |
| 12.5° | 712.2 | 711.0 | 712.2 | 711.0 | 711.0 | 709.7 | 703.1 | 700.6 | 701.2 | 701.8 | 699.2 |
| 15° | 707.1 | 705.1 | 707.1 | 705.7 | 706.4 | 704.5 | 697.3 | 694.7 | 694.7 | 696.0 | 691.5 |
| 17.5° | 699.2 | 696.6 | 699.2 | 698.6 | 698.0 | 696.6 | 690.1 | 687.6 | 686.9 | 687.6 | 684.3 |
| 20° | 690.1 | 688.2 | 690.1 | 689.5 | 689.5 | 686.9 | 680.4 | 677.1 | 677.1 | 677.1 | 673.9 |
| 22.5° | 675.9 | 673.9 | 675.9 | 677.1 | 677.1 | 676.5 | 670.6 | 666.1 | 664.8 | 664.8 | 661.0 |
| 25° | 659.6 | 657.7 | 659.6 | 659.6 | 658.9 | 659.6 | 657.7 | 655.0 | 653.1 | 651.2 | 647.3 |
| 27.5° | 644.0 | 642.7 | 644.0 | 642.7 | 644.0 | 642.1 | 641.4 | 640.8 | 638.2 | 636.2 | 631.0 |
| 30° | 628.4 | 627.1 | 628.4 | 627.1 | 625.8 | 624.5 | 621.2 | 620.0 | 622.6 | 621.2 | 612.8 |
| 32.5° | 608.9 | 607.7 | 608.9 | 608.9 | 607.7 | 607.7 | 602.4 | 600.5 | 601.2 | 605.0 | 597.2 |
| 35° | 588.8 | 586.8 | 588.8 | 588.1 | 588.8 | 586.8 | 583.5 | 583.0 | 580.3 | 584.9 | 579.1 |
| 37.5° | 565.4 | 563.5 | 565.4 | 565.4 | 565.4 | 566.7 | 564.1 | 562.1 | 558.2 | 564.1 | 559.5 |
| 40° | 541.4 | 538.8 | 541.4 | 540.7 | 541.4 | 542.6 | 541.4 | 540.0 | 536.1 | 540.7 | 536.8 |
| 42.5° | 514.1 | 513.4 | 514.1 | 514.7 | 514.7 | 517.3 | 519.3 | 516.7 | 515.3 | 512.1 | 514.7 |
| 45° | 484.8 | 483.5 | 484.8 | 486.1 | 486.7 | 488.1 | 493.9 | 493.9 | 492.0 | 486.7 | 490.6 |
| 47.5° | 453.6 | 450.4 | 453.6 | 457.5 | 457.5 | 459.5 | 465.3 | 469.9 | 466.6 | 460.1 | 462.0 |
| 50° | 420.4 | 421.1 | 420.4 | 423.1 | 423.1 | 430.2 | 434.8 | 439.3 | 442.5 | 434.8 | 425.7 |
| 52.5° | 388.0 | 387.3 | 388.0 | 389.9 | 392.5 | 395.7 | 403.6 | 408.1 | 413.3 | 408.7 | 394.5 |
| 55° | 355.4 | 356.8 | 355.4 | 356.1 | 357.5 | 359.4 | 371.0 | 375.6 | 385.4 | 379.6 | 364.5 |
| 57.5° | 323.0 | 321.0 | 323.0 | 324.3 | 324.9 | 326.8 | 336.6 | 345.1 | 351.0 | 351.6 | 333.3 |
| 60° | 285.3 | 282.7 | 285.3 | 291.2 | 292.4 | 293.7 | 302.8 | 310.7 | 315.8 | 317.7 | 298.9 |
| 62.5° | 252.1 | 247.6 | 252.1 | 256.0 | 258.6 | 261.9 | 268.4 | 280.1 | 284.6 | 285.3 | 258.6 |
| 65° | 217.1 | 215.1 | 217.1 | 224.8 | 225.5 | 229.4 | 236.5 | 245.0 | 254.8 | 253.5 | 215.1 |
| 67.5° | 185.2 | 185.2 | 185.2 | 190.4 | 194.3 | 196.2 | 205.3 | 209.3 | 221.6 | 222.9 | 179.4 |
| 70° | 156.0 | 155.3 | 156.0 | 159.9 | 162.5 | 167.1 | 175.5 | 180.0 | 189.7 | 193.0 | 145.5 |
| 72.5° | 128.0 | 127.3 | 128.0 | 131.3 | 133.9 | 137.8 | 145.0 | 150.1 | 158.5 | 162.5 | 113.1 |
| 75° | 103.3 | 102.0 | 103.3 | 105.9 | 105.2 | 110.5 | 116.3 | 121.5 | 129.4 | 131.9 | 83.8 |
| 77.5° | 79.3 | 79.3 | 79.3 | 81.9 | 81.9 | 87.1 | 89.7 | 96.2 | 100.8 | 104.7 | 61.7 |
| 80° | 59.1 | 58.5 | 59.1 | 59.8 | 59.8 | 62.4 | 67.0 | 71.5 | 75.4 | 75.4 | 42.2 |
| 82.5° | 41.6 | 40.3 | 41.6 | 41.6 | 41.6 | 42.9 | 45.4 | 46.8 | 49.4 | 51.4 | 26.6 |
| 85° | 26.0 | 26.0 | 26.0 | 26.6 | 26.0 | 27.3 | 27.9 | 29.3 | 29.3 | 27.9 | 16.3 |
| 87.5° | 16.9 | 16.3 | 16.9 | 16.3 | 16.3 | 15.6 | 15.6 | 15.6 | 14.9 | 14.3 | 9.1 |
| 90° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.9 | 6.6 | 7.4 | 6.3 | 4.3 | 2.7 |
| 92.5° | 14.7 | 11.8 | 14.7 | 17.6 | 18.4 | 26.2 | 36.4 | 41.6 | 36.5 | 26.4 | 18.7 |
| 95° | 51.6 | 42.6 | 51.6 | 60.4 | 62.6 | 82.2 | 108.3 | 121.4 | 102.5 | 64.8 | 36.5 |
| 97.5° | 123.4 | 106.5 | 123.4 | 140.2 | 144.5 | 156.9 | 173.5 | 181.7 | 150.2 | 87.3 | 40.1 |
| 100° | 177.8 | 157.7 | 177.8 | 197.9 | 202.9 | 202.0 | 200.8 | 200.2 | 165.3 | 95.4 | 43.1 |
| 102.5° | 231.2 | 214.0 | 231.2 | 248.5 | 252.8 | 237.0 | 216.0 | 205.4 | 170.1 | 99.2 | 46.1 |
| 105° | 299.5 | 290.2 | 299.5 | 308.7 | 311.0 | 275.7 | 228.5 | 204.8 | 170.5 | 102.0 | 50.6 |
| 107.5° | 344.2 | 346.4 | 344.2 | 342.0 | 341.4 | 292.0 | 226.2 | 193.2 | 163.0 | 102.5 | 57.2 |
| 110° | 361.1 | 370.8 | 361.1 | 351.6 | 349.1 | 293.9 | 220.4 | 183.5 | 156.3 | 101.7 | 60.9 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° | 100° | 110° | 112.5° | 120° | 130° | 135° | 140° | 150° | 157.5° |
|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 112.5° | 362.7 | 377.5 | 362.7 | 347.9 | 344.2 | 287.7 | 212.4 | 174.7 | 150.4 | 101.7 | 65.3 |
| 115° | 353.1 | 373.6 | 353.1 | 332.5 | 327.3 | 273.0 | 200.4 | 164.1 | 143.7 | 102.7 | 72.0 |
| 117.5° | 332.7 | 355.5 | 332.7 | 309.9 | 304.2 | 255.0 | 189.6 | 156.9 | 139.4 | 104.7 | 78.5 |
| 120° | 316.3 | 338.4 | 316.3 | 294.1 | 288.6 | 243.7 | 183.8 | 153.9 | 138.0 | 106.1 | 82.3 |
| 122.5° | 300.2 | 322.1 | 300.2 | 278.3 | 272.9 | 232.5 | 178.6 | 151.6 | 137.2 | 108.3 | 86.7 |
| 125° | 277.4 | 297.6 | 277.4 | 257.3 | 252.2 | 217.9 | 172.1 | 149.2 | 136.6 | 111.4 | 92.5 |
| 127.5° | 256.9 | 273.8 | 256.9 | 239.9 | 235.7 | 206.2 | 166.9 | 147.2 | 136.2 | 114.4 | 98.1 |
| 130° | 244.8 | 260.5 | 244.8 | 229.1 | 225.2 | 198.9 | 164.0 | 146.4 | 136.5 | 116.7 | 101.7 |
| 132.5° | 233.8 | 247.9 | 233.8 | 219.8 | 216.3 | 192.7 | 161.4 | 145.7 | 136.6 | 118.4 | 104.7 |
| 135° | 218.8 | 230.9 | 218.8 | 206.6 | 203.6 | 183.9 | 157.7 | 144.6 | 136.5 | 120.3 | 108.2 |
| 137.5° | 206.7 | 216.7 | 206.7 | 196.8 | 194.3 | 177.6 | 155.4 | 144.4 | 137.3 | 123.3 | 112.7 |
| 140° | 198.4 | 207.7 | 198.4 | 189.1 | 186.8 | 172.5 | 153.3 | 143.7 | 137.5 | 125.0 | 115.7 |
| 142.5° | 191.6 | 199.5 | 191.6 | 183.6 | 181.6 | 169.0 | 152.1 | 143.7 | 138.0 | 126.6 | 117.9 |
| 145° | 181.3 | 187.3 | 181.3 | 175.3 | 173.7 | 163.4 | 149.6 | 142.7 | 138.0 | 128.5 | 121.3 |
| 147.5° | 173.4 | 178.4 | 173.4 | 168.4 | 167.2 | 159.0 | 148.2 | 142.7 | 139.0 | 131.3 | 125.6 |
| 150° | 168.4 | 172.5 | 168.4 | 164.3 | 163.4 | 156.5 | 147.3 | 142.7 | 139.4 | 132.8 | 127.8 |
| 152.5° | 164.1 | 167.2 | 164.1 | 161.1 | 160.4 | 154.5 | 146.6 | 142.7 | 139.7 | 133.7 | 129.3 |
| 155° | 159.3 | 161.3 | 159.3 | 157.3 | 156.8 | 152.1 | 145.8 | 142.7 | 140.4 | 135.9 | 132.5 |
| 157.5° | 155.4 | 156.9 | 155.4 | 154.0 | 153.6 | 150.0 | 145.2 | 142.7 | 141.2 | 138.0 | 135.7 |
| 160° | 153.1 | 153.9 | 153.1 | 152.2 | 152.0 | 148.9 | 144.8 | 142.7 | 141.5 | 139.0 | 137.1 |
| 162.5° | 151.6 | 152.3 | 151.6 | 150.8 | 150.6 | 148.0 | 144.5 | 142.7 | 141.9 | 140.0 | 138.7 |
| 165° | 149.4 | 150.2 | 149.4 | 148.5 | 148.4 | 146.5 | 144.0 | 142.7 | 142.3 | 141.5 | 140.9 |
| 167.5° | 147.8 | 148.2 | 147.8 | 147.5 | 147.4 | 146.1 | 144.5 | 143.7 | 143.3 | 142.6 | 142.2 |
| 170° | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 146.1 | 144.5 | 143.7 | 143.7 | 143.6 | 143.6 |
| 172.5° | 146.2 | 145.9 | 146.2 | 146.5 | 146.6 | 145.6 | 144.4 | 143.7 | 143.7 | 143.7 | 143.7 |
| 175° | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.0 | 144.1 | 143.7 | 143.9 | 144.3 | 144.6 |
| 177.5° | 145.0 | 144.6 | 145.0 | 145.3 | 145.4 | 144.9 | 144.2 | 143.9 | 144.1 | 144.4 | 144.6 |
| 180° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 2.5° | 696.6 | 692.7 | 692.7 | 686.2 | 683.6 | 681.7 | 678.5 | 668.7 | 666.1 | 663.5 | 667.4 |
| 5° | 702.5 | 695.4 | 690.1 | 678.5 | 668.7 | 664.8 | 652.4 | 629.1 | 613.5 | 601.7 | 595.3 |
| 7.5° | 703.8 | 694.7 | 685.0 | 666.8 | 643.3 | 633.0 | 595.3 | 552.4 | 540.7 | 530.3 | 523.7 |
| 10° | 702.5 | 692.1 | 678.5 | 651.2 | 595.9 | 577.7 | 540.0 | 512.1 | 504.9 | 503.0 | 504.9 |
| 12.5° | 698.0 | 688.2 | 669.4 | 623.8 | 546.5 | 534.2 | 512.1 | 495.8 | 494.6 | 497.8 | 515.3 |
| 15° | 690.1 | 681.0 | 658.9 | 587.5 | 519.3 | 510.2 | 494.6 | 488.7 | 495.8 | 518.6 | 571.2 |
| 17.5° | 682.4 | 672.0 | 644.7 | 551.7 | 498.5 | 492.0 | 480.9 | 492.6 | 532.9 | 563.5 | 581.0 |
| 20° | 672.0 | 659.6 | 628.4 | 525.8 | 483.5 | 477.6 | 472.5 | 525.1 | 555.6 | 566.7 | 576.5 |
| 22.5° | 659.6 | 646.6 | 606.3 | 507.6 | 467.9 | 463.4 | 466.6 | 543.3 | 555.6 | 563.5 | 571.9 |
| 25° | 643.3 | 632.3 | 580.3 | 493.2 | 455.5 | 450.4 | 462.7 | 541.4 | 548.5 | 550.4 | 567.3 |
| 27.5° | 628.4 | 614.2 | 553.0 | 480.2 | 440.6 | 438.7 | 466.0 | 532.9 | 538.1 | 540.0 | 558.2 |
| 30° | 610.2 | 588.8 | 522.5 | 466.6 | 425.0 | 424.3 | 466.6 | 522.5 | 521.2 | 526.4 | 544.6 |
| 32.5° | 591.4 | 551.1 | 488.1 | 449.7 | 410.1 | 409.4 | 462.0 | 506.9 | 505.6 | 512.7 | 526.4 |
| 35° | 573.8 | 521.8 | 441.3 | 430.2 | 391.2 | 391.9 | 451.0 | 488.7 | 489.3 | 495.8 | 504.3 |
| 37.5° | 555.6 | 496.5 | 389.9 | 408.7 | 373.1 | 373.1 | 436.0 | 471.8 | 470.5 | 472.5 | 484.1 |
| 40° | 534.2 | 456.9 | 344.4 | 380.8 | 356.1 | 354.2 | 417.8 | 453.6 | 449.0 | 448.5 | 464.6 |
| 42.5° | 511.4 | 413.3 | 310.7 | 343.8 | 336.6 | 334.0 | 395.7 | 431.5 | 423.1 | 425.0 | 445.8 |
| 45° | 486.7 | 401.7 | 284.6 | 290.5 | 316.5 | 314.5 | 371.7 | 406.2 | 400.3 | 405.5 | 426.9 |
| 47.5° | 462.0 | 378.2 | 276.2 | 241.1 | 295.1 | 294.4 | 345.1 | 381.5 | 378.2 | 383.4 | 406.2 |
| 50° | 428.3 | 352.2 | 275.6 | 206.7 | 271.0 | 273.5 | 313.3 | 357.5 | 357.5 | 362.0 | 386.0 |
| 52.5° | 384.7 | 320.4 | 250.2 | 187.1 | 243.0 | 250.9 | 285.3 | 336.6 | 337.9 | 342.4 | 364.0 |
| 55° | 345.1 | 287.2 | 232.0 | 172.2 | 209.9 | 226.8 | 257.9 | 315.2 | 317.7 | 322.3 | 341.9 |
| 57.5° | 308.7 | 239.1 | 228.1 | 154.7 | 179.4 | 195.6 | 233.9 | 294.4 | 295.6 | 299.6 | 318.4 |
| 60° | 269.7 | 172.9 | 209.3 | 135.9 | 152.7 | 165.0 | 211.8 | 269.7 | 274.2 | 276.8 | 293.1 |
| 62.5° | 225.5 | 125.4 | 189.7 | 122.9 | 139.7 | 142.3 | 193.7 | 246.3 | 252.1 | 254.1 | 263.9 |
| 65° | 160.6 | 105.2 | 161.1 | 111.8 | 126.1 | 126.7 | 174.1 | 222.3 | 227.4 | 230.7 | 237.9 |
| 67.5° | 108.5 | 85.8 | 122.9 | 101.4 | 115.7 | 116.3 | 155.3 | 194.3 | 201.5 | 204.1 | 208.6 |
| 70° | 75.4 | 57.2 | 91.0 | 90.3 | 104.0 | 105.2 | 135.2 | 169.0 | 175.5 | 177.4 | 180.0 |
| 72.5° | 55.2 | 46.1 | 75.4 | 81.2 | 91.7 | 92.9 | 114.3 | 140.4 | 146.9 | 148.8 | 150.1 |
| 75° | 42.2 | 48.7 | 61.0 | 70.8 | 78.0 | 78.6 | 93.6 | 114.3 | 118.9 | 120.3 | 120.8 |
| 77.5° | 33.8 | 45.4 | 44.9 | 57.2 | 63.7 | 62.4 | 73.5 | 88.4 | 92.2 | 92.2 | 92.2 |
| 80° | 25.4 | 35.8 | 33.8 | 41.0 | 46.8 | 45.4 | 52.6 | 63.1 | 64.3 | 65.6 | 65.0 |
| 82.5° | 18.8 | 22.8 | 22.8 | 26.0 | 31.2 | 29.9 | 35.1 | 41.0 | 41.0 | 41.0 | 42.2 |
| 85° | 11.7 | 13.0 | 10.4 | 13.7 | 17.5 | 16.9 | 19.5 | 22.1 | 22.8 | 22.8 | 21.4 |
| 87.5° | 7.2 | 5.8 | 3.3 | 5.2 | 7.8 | 7.8 | 9.1 | 9.8 | 9.1 | 9.1 | 9.1 |
| 90° | 2.5 | 1.7 | 1.0 | 1.7 | 2.5 | 2.7 | 4.3 | 6.3 | 7.4 | 6.6 | 4.9 |
| 92.5° | 17.1 | 10.5 | 3.9 | 10.5 | 17.1 | 18.7 | 26.4 | 36.5 | 41.6 | 36.4 | 26.2 |
| 95° | 33.5 | 21.4 | 9.3 | 21.4 | 33.5 | 36.5 | 64.8 | 102.5 | 121.4 | 108.3 | 82.2 |
| 97.5° | 37.4 | 26.7 | 16.1 | 26.7 | 37.4 | 40.1 | 87.3 | 150.2 | 181.7 | 173.5 | 156.9 |
| 100° | 40.7 | 31.0 | 21.3 | 31.0 | 40.7 | 43.1 | 95.4 | 165.3 | 200.2 | 200.8 | 202.0 |
| 102.5° | 43.9 | 34.8 | 25.8 | 34.8 | 43.9 | 46.1 | 99.2 | 170.1 | 205.4 | 216.0 | 237.0 |
| 105° | 48.6 | 41.1 | 33.4 | 41.1 | 48.6 | 50.6 | 102.0 | 170.5 | 204.8 | 228.5 | 275.7 |
| 107.5° | 55.4 | 48.3 | 41.2 | 48.3 | 55.4 | 57.2 | 102.5 | 163.0 | 193.2 | 226.2 | 292.0 |
| 110° | 59.2 | 52.8 | 46.4 | 52.8 | 59.2 | 60.9 | 101.7 | 156.3 | 183.5 | 220.4 | 293.9 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 160° | 170° | 180° | 190° | 200° | 202.5° | 210° | 220° | 225° | 230° | 240° |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 63.8 | 57.7 | 51.6 | 57.7 | 63.8 | 65.3 | 101.7 | 150.4 | 174.7 | 212.4 | 287.7 |
| 115° | 70.5 | 64.9 | 59.3 | 64.9 | 70.5 | 72.0 | 102.7 | 143.7 | 164.1 | 200.4 | 273.0 |
| 117.5° | 77.2 | 72.1 | 67.0 | 72.1 | 77.2 | 78.5 | 104.7 | 139.4 | 156.9 | 189.6 | 255.0 |
| 120° | 81.1 | 76.3 | 71.4 | 76.3 | 81.1 | 82.3 | 106.1 | 138.0 | 153.9 | 183.8 | 243.7 |
| 122.5° | 85.5 | 80.6 | 75.8 | 80.6 | 85.5 | 86.7 | 108.3 | 137.2 | 151.6 | 178.6 | 232.5 |
| 125° | 91.4 | 86.9 | 82.5 | 86.9 | 91.4 | 92.5 | 111.4 | 136.6 | 149.2 | 172.1 | 217.9 |
| 127.5° | 96.9 | 92.4 | 87.9 | 92.4 | 96.9 | 98.1 | 114.4 | 136.2 | 147.2 | 166.9 | 206.2 |
| 130° | 100.5 | 95.6 | 90.8 | 95.6 | 100.5 | 101.7 | 116.7 | 136.5 | 146.4 | 164.0 | 198.9 |
| 132.5° | 103.6 | 98.7 | 93.9 | 98.7 | 103.6 | 104.7 | 118.4 | 136.6 | 145.7 | 161.4 | 192.7 |
| 135° | 107.2 | 102.7 | 98.4 | 102.7 | 107.2 | 108.2 | 120.3 | 136.5 | 144.6 | 157.7 | 183.9 |
| 137.5° | 111.6 | 107.3 | 102.9 | 107.3 | 111.6 | 112.7 | 123.3 | 137.3 | 144.4 | 155.4 | 177.6 |
| 140° | 114.7 | 110.7 | 106.7 | 110.7 | 114.7 | 115.7 | 125.0 | 137.5 | 143.7 | 153.3 | 172.5 |
| 142.5° | 117.0 | 113.3 | 109.6 | 113.3 | 117.0 | 117.9 | 126.6 | 138.0 | 143.7 | 152.1 | 169.0 |
| 145° | 120.5 | 117.2 | 114.1 | 117.2 | 120.5 | 121.3 | 128.5 | 138.0 | 142.7 | 149.6 | 163.4 |
| 147.5° | 124.8 | 121.6 | 118.5 | 121.6 | 124.8 | 125.6 | 131.3 | 139.0 | 142.7 | 148.2 | 159.0 |
| 150° | 127.1 | 124.2 | 121.4 | 124.2 | 127.1 | 127.8 | 132.8 | 139.4 | 142.7 | 147.3 | 156.5 |
| 152.5° | 128.7 | 126.6 | 124.4 | 126.6 | 128.7 | 129.3 | 133.7 | 139.7 | 142.7 | 146.6 | 154.5 |
| 155° | 132.1 | 130.4 | 128.9 | 130.4 | 132.1 | 132.5 | 135.9 | 140.4 | 142.7 | 145.8 | 152.1 |
| 157.5° | 135.3 | 133.7 | 132.2 | 133.7 | 135.3 | 135.7 | 138.0 | 141.2 | 142.7 | 145.2 | 150.0 |
| 160° | 136.8 | 135.6 | 134.4 | 135.6 | 136.8 | 137.1 | 139.0 | 141.5 | 142.7 | 144.8 | 148.9 |
| 162.5° | 138.5 | 137.5 | 136.6 | 137.5 | 138.5 | 138.7 | 140.0 | 141.9 | 142.7 | 144.5 | 148.0 |
| 165° | 140.7 | 139.8 | 139.1 | 139.8 | 140.7 | 140.9 | 141.5 | 142.3 | 142.7 | 144.0 | 146.5 |
| 167.5° | 142.1 | 141.7 | 141.3 | 141.7 | 142.1 | 142.2 | 142.6 | 143.3 | 143.7 | 144.5 | 146.1 |
| 170° | 143.5 | 143.1 | 142.7 | 143.1 | 143.5 | 143.6 | 143.6 | 143.7 | 143.7 | 144.5 | 146.1 |
| 172.5° | 143.7 | 143.6 | 143.5 | 143.6 | 143.7 | 143.7 | 143.7 | 143.7 | 143.7 | 144.4 | 145.6 |
| 175° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.3 | 143.9 | 143.7 | 144.1 | 145.0 |
| 177.5° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.4 | 144.1 | 143.9 | 144.2 | 144.9 |
| 180° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 0° | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 2.5° | 662.9 | 661.0 | 663.5 | 656.4 | 663.5 | 661.0 | 662.9 | 667.4 | 663.5 | 666.1 | 668.7 |
| 5° | 581.6 | 578.4 | 568.0 | 559.5 | 568.0 | 578.4 | 581.6 | 595.3 | 601.7 | 613.5 | 629.1 |
| 7.5° | 519.9 | 517.3 | 514.7 | 509.5 | 514.7 | 517.3 | 519.9 | 523.7 | 530.3 | 540.7 | 552.4 |
| 10° | 506.2 | 506.9 | 510.8 | 510.2 | 510.8 | 506.9 | 506.2 | 504.9 | 503.0 | 504.9 | 512.1 |
| 12.5° | 541.4 | 547.2 | 568.6 | 567.3 | 568.6 | 547.2 | 541.4 | 515.3 | 497.8 | 494.6 | 495.8 |
| 15° | 581.6 | 583.5 | 588.1 | 588.8 | 588.1 | 583.5 | 581.6 | 571.2 | 518.6 | 495.8 | 488.7 |
| 17.5° | 585.6 | 586.1 | 589.4 | 589.4 | 589.4 | 586.1 | 585.6 | 581.0 | 563.5 | 532.9 | 492.6 |
| 20° | 582.3 | 583.5 | 590.1 | 591.4 | 590.1 | 583.5 | 582.3 | 576.5 | 566.7 | 555.6 | 525.1 |
| 22.5° | 581.0 | 583.5 | 588.8 | 588.1 | 588.8 | 583.5 | 581.0 | 571.9 | 563.5 | 555.6 | 543.3 |
| 25° | 574.5 | 574.5 | 575.1 | 575.8 | 575.1 | 574.5 | 574.5 | 567.3 | 550.4 | 548.5 | 541.4 |
| 27.5° | 560.9 | 562.1 | 566.0 | 565.4 | 566.0 | 562.1 | 560.9 | 558.2 | 540.0 | 538.1 | 532.9 |
| 30° | 548.5 | 547.2 | 543.9 | 541.4 | 543.9 | 547.2 | 548.5 | 544.6 | 526.4 | 521.2 | 522.5 |
| 32.5° | 527.7 | 524.4 | 521.2 | 519.3 | 521.2 | 524.4 | 527.7 | 526.4 | 512.7 | 505.6 | 506.9 |
| 35° | 503.0 | 503.7 | 503.0 | 501.1 | 503.0 | 503.7 | 503.0 | 504.3 | 495.8 | 489.3 | 488.7 |
| 37.5° | 485.5 | 486.7 | 486.1 | 483.5 | 486.1 | 486.7 | 485.5 | 484.1 | 472.5 | 470.5 | 471.8 |
| 40° | 467.3 | 467.9 | 467.3 | 465.3 | 467.3 | 467.9 | 467.3 | 464.6 | 448.5 | 449.0 | 453.6 |
| 42.5° | 449.7 | 449.0 | 447.1 | 445.8 | 447.1 | 449.0 | 449.7 | 445.8 | 425.0 | 423.1 | 431.5 |
| 45° | 429.6 | 430.2 | 426.3 | 424.3 | 426.3 | 430.2 | 429.6 | 426.9 | 405.5 | 400.3 | 406.2 |
| 47.5° | 409.4 | 409.4 | 406.2 | 404.2 | 406.2 | 409.4 | 409.4 | 406.2 | 383.4 | 378.2 | 381.5 |
| 50° | 388.0 | 387.3 | 382.8 | 382.1 | 382.8 | 387.3 | 388.0 | 386.0 | 362.0 | 357.5 | 357.5 |
| 52.5° | 363.3 | 363.3 | 364.0 | 365.2 | 364.0 | 363.3 | 363.3 | 364.0 | 342.4 | 337.9 | 336.6 |
| 55° | 341.9 | 342.4 | 347.0 | 348.4 | 347.0 | 342.4 | 341.9 | 341.9 | 322.3 | 317.7 | 315.2 |
| 57.5° | 319.8 | 319.8 | 323.0 | 323.0 | 323.0 | 319.8 | 319.8 | 318.4 | 299.6 | 295.6 | 294.4 |
| 60° | 294.4 | 295.6 | 298.3 | 297.7 | 298.3 | 295.6 | 294.4 | 293.1 | 276.8 | 274.2 | 269.7 |
| 62.5° | 267.7 | 269.1 | 269.7 | 268.4 | 269.7 | 269.1 | 267.7 | 263.9 | 254.1 | 252.1 | 246.3 |
| 65° | 239.8 | 241.1 | 241.8 | 240.4 | 241.8 | 241.1 | 239.8 | 237.9 | 230.7 | 227.4 | 222.3 |
| 67.5° | 211.2 | 210.6 | 209.9 | 212.5 | 209.9 | 210.6 | 211.2 | 208.6 | 204.1 | 201.5 | 194.3 |
| 70° | 182.0 | 182.0 | 181.3 | 182.7 | 181.3 | 182.0 | 182.0 | 180.0 | 177.4 | 175.5 | 169.0 |
| 72.5° | 150.8 | 150.1 | 152.7 | 150.8 | 152.7 | 150.1 | 150.8 | 150.1 | 148.8 | 146.9 | 140.4 |
| 75° | 120.3 | 121.5 | 120.3 | 122.2 | 120.3 | 121.5 | 120.3 | 120.8 | 120.3 | 118.9 | 114.3 |
| 77.5° | 91.7 | 92.9 | 91.7 | 91.7 | 91.7 | 92.9 | 91.7 | 92.2 | 92.2 | 92.2 | 88.4 |
| 80° | 65.0 | 64.3 | 64.3 | 63.7 | 64.3 | 64.3 | 65.0 | 65.0 | 65.6 | 64.3 | 63.1 |
| 82.5° | 41.6 | 41.0 | 41.0 | 42.2 | 41.0 | 41.0 | 41.6 | 42.2 | 41.0 | 41.0 | 41.0 |
| 85° | 22.8 | 23.4 | 22.1 | 22.1 | 22.1 | 23.4 | 22.8 | 21.4 | 22.8 | 22.8 | 22.1 |
| 87.5° | 8.4 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 8.4 | 9.1 | 9.1 | 9.1 | 9.8 |
| 90° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.9 | 6.6 | 7.4 | 6.3 |
| 92.5° | 18.4 | 17.6 | 14.7 | 11.8 | 14.7 | 17.6 | 18.4 | 26.2 | 36.4 | 41.6 | 36.5 |
| 95° | 62.6 | 60.4 | 51.6 | 42.6 | 51.6 | 60.4 | 62.6 | 82.2 | 108.3 | 121.4 | 102.5 |
| 97.5° | 144.5 | 140.2 | 123.4 | 106.5 | 123.4 | 140.2 | 144.5 | 156.9 | 173.5 | 181.7 | 150.2 |
| 100° | 202.9 | 197.9 | 177.8 | 157.7 | 177.8 | 197.9 | 202.9 | 202.0 | 200.8 | 200.2 | 165.3 |
| 102.5° | 252.8 | 248.5 | 231.2 | 214.0 | 231.2 | 248.5 | 252.8 | 237.0 | 216.0 | 205.4 | 170.1 |
| 105° | 311.0 | 308.7 | 299.5 | 290.2 | 299.5 | 308.7 | 311.0 | 275.7 | 228.5 | 204.8 | 170.5 |
| 107.5° | 341.4 | 342.0 | 344.2 | 346.4 | 344.2 | 342.0 | 341.4 | 292.0 | 226.2 | 193.2 | 163.0 |
| 110° | 349.1 | 351.6 | 361.1 | 370.8 | 361.1 | 351.6 | 349.1 | 293.9 | 220.4 | 183.5 | 156.3 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 260° | 270° | 280° | 290° | 292.5° | 300° | 310° | 315° | 320° |
|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 112.5° | 344.2 | 347.9 | 362.7 | 377.5 | 362.7 | 347.9 | 344.2 | 287.7 | 212.4 | 174.7 | 150.4 |
| 115° | 327.3 | 332.5 | 353.1 | 373.6 | 353.1 | 332.5 | 327.3 | 273.0 | 200.4 | 164.1 | 143.7 |
| 117.5° | 304.2 | 309.9 | 332.7 | 355.5 | 332.7 | 309.9 | 304.2 | 255.0 | 189.6 | 156.9 | 139.4 |
| 120° | 288.6 | 294.1 | 316.3 | 338.4 | 316.3 | 294.1 | 288.6 | 243.7 | 183.8 | 153.9 | 138.0 |
| 122.5° | 272.9 | 278.3 | 300.2 | 322.1 | 300.2 | 278.3 | 272.9 | 232.5 | 178.6 | 151.6 | 137.2 |
| 125° | 252.2 | 257.3 | 277.4 | 297.6 | 277.4 | 257.3 | 252.2 | 217.9 | 172.1 | 149.2 | 136.6 |
| 127.5° | 235.7 | 239.9 | 256.9 | 273.8 | 256.9 | 239.9 | 235.7 | 206.2 | 166.9 | 147.2 | 136.2 |
| 130° | 225.2 | 229.1 | 244.8 | 260.5 | 244.8 | 229.1 | 225.2 | 198.9 | 164.0 | 146.4 | 136.5 |
| 132.5° | 216.3 | 219.8 | 233.8 | 247.9 | 233.8 | 219.8 | 216.3 | 192.7 | 161.4 | 145.7 | 136.6 |
| 135° | 203.6 | 206.6 | 218.8 | 230.9 | 218.8 | 206.6 | 203.6 | 183.9 | 157.7 | 144.6 | 136.5 |
| 137.5° | 194.3 | 196.8 | 206.7 | 216.7 | 206.7 | 196.8 | 194.3 | 177.6 | 155.4 | 144.4 | 137.3 |
| 140° | 186.8 | 189.1 | 198.4 | 207.7 | 198.4 | 189.1 | 186.8 | 172.5 | 153.3 | 143.7 | 137.5 |
| 142.5° | 181.6 | 183.6 | 191.6 | 199.5 | 191.6 | 183.6 | 181.6 | 169.0 | 152.1 | 143.7 | 138.0 |
| 145° | 173.7 | 175.3 | 181.3 | 187.3 | 181.3 | 175.3 | 173.7 | 163.4 | 149.6 | 142.7 | 138.0 |
| 147.5° | 167.2 | 168.4 | 173.4 | 178.4 | 173.4 | 168.4 | 167.2 | 159.0 | 148.2 | 142.7 | 139.0 |
| 150° | 163.4 | 164.3 | 168.4 | 172.5 | 168.4 | 164.3 | 163.4 | 156.5 | 147.3 | 142.7 | 139.4 |
| 152.5° | 160.4 | 161.1 | 164.1 | 167.2 | 164.1 | 161.1 | 160.4 | 154.5 | 146.6 | 142.7 | 139.7 |
| 155° | 156.8 | 157.3 | 159.3 | 161.3 | 159.3 | 157.3 | 156.8 | 152.1 | 145.8 | 142.7 | 140.4 |
| 157.5° | 153.6 | 154.0 | 155.4 | 156.9 | 155.4 | 154.0 | 153.6 | 150.0 | 145.2 | 142.7 | 141.2 |
| 160° | 152.0 | 152.2 | 153.1 | 153.9 | 153.1 | 152.2 | 152.0 | 148.9 | 144.8 | 142.7 | 141.5 |
| 162.5° | 150.6 | 150.8 | 151.6 | 152.3 | 151.6 | 150.8 | 150.6 | 148.0 | 144.5 | 142.7 | 141.9 |
| 165° | 148.4 | 148.5 | 149.4 | 150.2 | 149.4 | 148.5 | 148.4 | 146.5 | 144.0 | 142.7 | 142.3 |
| 167.5° | 147.4 | 147.5 | 147.8 | 148.2 | 147.8 | 147.5 | 147.4 | 146.1 | 144.5 | 143.7 | 143.3 |
| 170° | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 147.4 | 146.1 | 144.5 | 143.7 | 143.7 |
| 172.5° | 146.6 | 146.5 | 146.2 | 145.9 | 146.2 | 146.5 | 146.6 | 145.6 | 144.4 | 143.7 | 143.7 |
| 175° | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.0 | 144.1 | 143.7 | 143.9 |
| 177.5° | 145.4 | 145.3 | 145.0 | 144.6 | 145.0 | 145.3 | 145.4 | 144.9 | 144.2 | 143.9 | 144.1 |
| 180° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



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CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 0° | 686.9 | 686.9 | 686.9 | 686.9 | 686.9 |
| 2.5° | 678.5 | 681.7 | 683.6 | 686.2 | 692.7 |
| 5° | 652.4 | 664.8 | 668.7 | 678.5 | 690.1 |
| 7.5° | 595.3 | 633.0 | 643.3 | 666.8 | 685.0 |
| 10° | 540.0 | 577.7 | 595.9 | 651.2 | 678.5 |
| 12.5° | 512.1 | 534.2 | 546.5 | 623.8 | 669.4 |
| 15° | 494.6 | 510.2 | 519.3 | 587.5 | 658.9 |
| 17.5° | 480.9 | 492.0 | 498.5 | 551.7 | 644.7 |
| 20° | 472.5 | 477.6 | 483.5 | 525.8 | 628.4 |
| 22.5° | 466.6 | 463.4 | 467.9 | 507.6 | 606.3 |
| 25° | 462.7 | 450.4 | 455.5 | 493.2 | 580.3 |
| 27.5° | 466.0 | 438.7 | 440.6 | 480.2 | 553.0 |
| 30° | 466.6 | 424.3 | 425.0 | 466.6 | 522.5 |
| 32.5° | 462.0 | 409.4 | 410.1 | 449.7 | 488.1 |
| 35° | 451.0 | 391.9 | 391.2 | 430.2 | 441.3 |
| 37.5° | 436.0 | 373.1 | 373.1 | 408.7 | 389.9 |
| 40° | 417.8 | 354.2 | 356.1 | 380.8 | 344.4 |
| 42.5° | 395.7 | 334.0 | 336.6 | 343.8 | 310.7 |
| 45° | 371.7 | 314.5 | 316.5 | 290.5 | 284.6 |
| 47.5° | 345.1 | 294.4 | 295.1 | 241.1 | 276.2 |
| 50° | 313.3 | 273.5 | 271.0 | 206.7 | 275.6 |
| 52.5° | 285.3 | 250.9 | 243.0 | 187.1 | 250.2 |
| 55° | 257.9 | 226.8 | 209.9 | 172.2 | 232.0 |
| 57.5° | 233.9 | 195.6 | 179.4 | 154.7 | 228.1 |
| 60° | 211.8 | 165.0 | 152.7 | 135.9 | 209.3 |
| 62.5° | 193.7 | 142.3 | 139.7 | 122.9 | 189.7 |
| 65° | 174.1 | 126.7 | 126.1 | 111.8 | 161.1 |
| 67.5° | 155.3 | 116.3 | 115.7 | 101.4 | 122.9 |
| 70° | 135.2 | 105.2 | 104.0 | 90.3 | 91.0 |
| 72.5° | 114.3 | 92.9 | 91.7 | 81.2 | 75.4 |
| 75° | 93.6 | 78.6 | 78.0 | 70.8 | 61.0 |
| 77.5° | 73.5 | 62.4 | 63.7 | 57.2 | 44.9 |
| 80° | 52.6 | 45.4 | 46.8 | 41.0 | 33.8 |
| 82.5° | 35.1 | 29.9 | 31.2 | 26.0 | 22.8 |
| 85° | 19.5 | 16.9 | 17.5 | 13.7 | 10.4 |
| 87.5° | 9.1 | 7.8 | 7.8 | 5.2 | 3.3 |
| 90° | 4.3 | 2.7 | 2.5 | 1.7 | 1.0 |
| 92.5° | 26.4 | 18.7 | 17.1 | 10.5 | 3.9 |
| 95° | 64.8 | 36.5 | 33.5 | 21.4 | 9.3 |
| 97.5° | 87.3 | 40.1 | 37.4 | 26.7 | 16.1 |
| 100° | 95.4 | 43.1 | 40.7 | 31.0 | 21.3 |
| 102.5° | 99.2 | 46.1 | 43.9 | 34.8 | 25.8 |
| 105° | 102.0 | 50.6 | 48.6 | 41.1 | 33.4 |
| 107.5° | 102.5 | 57.2 | 55.4 | 48.3 | 41.2 |
| 110° | 101.7 | 60.9 | 59.2 | 52.8 | 46.4 |



TEST NUMBER: P933884

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 330° | 337.5° | 340° | 350° | 360° |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 101.7 | 65.3 | 63.8 | 57.7 | 51.6 |
| 115° | 102.7 | 72.0 | 70.5 | 64.9 | 59.3 |
| 117.5° | 104.7 | 78.5 | 77.2 | 72.1 | 67.0 |
| 120° | 106.1 | 82.3 | 81.1 | 76.3 | 71.4 |
| 122.5° | 108.3 | 86.7 | 85.5 | 80.6 | 75.8 |
| 125° | 111.4 | 92.5 | 91.4 | 86.9 | 82.5 |
| 127.5° | 114.4 | 98.1 | 96.9 | 92.4 | 87.9 |
| 130° | 116.7 | 101.7 | 100.5 | 95.6 | 90.8 |
| 132.5° | 118.4 | 104.7 | 103.6 | 98.7 | 93.9 |
| 135° | 120.3 | 108.2 | 107.2 | 102.7 | 98.4 |
| 137.5° | 123.3 | 112.7 | 111.6 | 107.3 | 102.9 |
| 140° | 125.0 | 115.7 | 114.7 | 110.7 | 106.7 |
| 142.5° | 126.6 | 117.9 | 117.0 | 113.3 | 109.6 |
| 145° | 128.5 | 121.3 | 120.5 | 117.2 | 114.1 |
| 147.5° | 131.3 | 125.6 | 124.8 | 121.6 | 118.5 |
| 150° | 132.8 | 127.8 | 127.1 | 124.2 | 121.4 |
| 152.5° | 133.7 | 129.3 | 128.7 | 126.6 | 124.4 |
| 155° | 135.9 | 132.5 | 132.1 | 130.4 | 128.9 |
| 157.5° | 138.0 | 135.7 | 135.3 | 133.7 | 132.2 |
| 160° | 139.0 | 137.1 | 136.8 | 135.6 | 134.4 |
| 162.5° | 140.0 | 138.7 | 138.5 | 137.5 | 136.6 |
| 165° | 141.5 | 140.9 | 140.7 | 139.8 | 139.1 |
| 167.5° | 142.6 | 142.2 | 142.1 | 141.7 | 141.3 |
| 170° | 143.6 | 143.6 | 143.5 | 143.1 | 142.7 |
| 172.5° | 143.7 | 143.7 | 143.7 | 143.6 | 143.5 |
| 175° | 144.3 | 144.6 | 144.6 | 144.6 | 144.6 |
| 177.5° | 144.4 | 144.6 | 144.6 | 144.6 | 144.6 |
| 180° | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |



TEST NUMBER: P933884
 CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-4-3500K

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 | 12.55 | 13.57 | 13.36 | 14.41 | 15.44 | 15.35 | 16.37 | 16.16 | 17.20 | 18.23 |
| | 3H | 13.04 | 13.96 | 13.86 | 14.80 | 15.86 | 16.70 | 17.61 | 17.52 | 18.45 | 19.51 |
| | 4H | 13.24 | 14.10 | 14.08 | 14.95 | 16.02 | 17.14 | 18.00 | 17.98 | 18.86 | 19.93 |
| | 6H | 13.37 | 14.16 | 14.22 | 15.02 | 16.11 | 17.43 | 18.22 | 18.28 | 19.08 | 20.17 |
| | 8H | 13.37 | 14.13 | 14.23 | 15.01 | 16.09 | 17.50 | 18.26 | 18.36 | 19.14 | 20.22 |
| | 12H | 13.35 | 14.07 | 14.22 | 14.94 | 16.05 | 17.54 | 18.26 | 18.41 | 19.13 | 20.24 |
| 4H | 2H | 13.59 | 14.46 | 14.44 | 15.31 | 16.38 | 15.78 | 16.64 | 16.62 | 17.49 | 18.56 |
| | 3H | 14.64 | 15.36 | 15.49 | 16.24 | 17.33 | 17.29 | 18.01 | 18.15 | 18.89 | 19.98 |
| | 4H | 14.92 | 15.57 | 15.79 | 16.46 | 17.57 | 17.82 | 18.47 | 18.69 | 19.35 | 20.47 |
| | 6H | 15.05 | 15.62 | 15.94 | 16.53 | 17.64 | 18.18 | 18.75 | 19.07 | 19.66 | 20.77 |
| | 8H | 15.06 | 15.59 | 15.95 | 16.49 | 17.62 | 18.29 | 18.82 | 19.18 | 19.72 | 20.85 |
| | 12H | 15.04 | 15.51 | 15.95 | 16.43 | 17.57 | 18.35 | 18.83 | 19.26 | 19.74 | 20.88 |
| 8H | 4H | 15.38 | 15.91 | 16.27 | 16.81 | 17.94 | 17.96 | 18.48 | 18.84 | 19.38 | 20.51 |
| | 6H | 15.65 | 16.09 | 16.56 | 17.03 | 18.16 | 18.39 | 18.83 | 19.31 | 19.77 | 20.90 |
| | 8H | 15.69 | 16.08 | 16.62 | 17.01 | 18.16 | 18.54 | 18.93 | 19.46 | 19.86 | 21.01 |
| | 12H | 15.68 | 16.03 | 16.61 | 16.95 | 18.15 | 18.64 | 18.98 | 19.57 | 19.91 | 21.10 |
| 12H | 4H | 15.39 | 15.87 | 16.30 | 16.79 | 17.92 | 17.93 | 18.40 | 18.84 | 19.32 | 20.46 |
| | 6H | 15.71 | 16.10 | 16.63 | 17.03 | 18.18 | 18.39 | 18.78 | 19.31 | 19.71 | 20.86 |
| | 8H | 15.78 | 16.13 | 16.71 | 17.05 | 18.25 | 18.55 | 18.89 | 19.48 | 19.82 | 21.02 |