

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: P1427701

Luminaire Tested: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427701
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

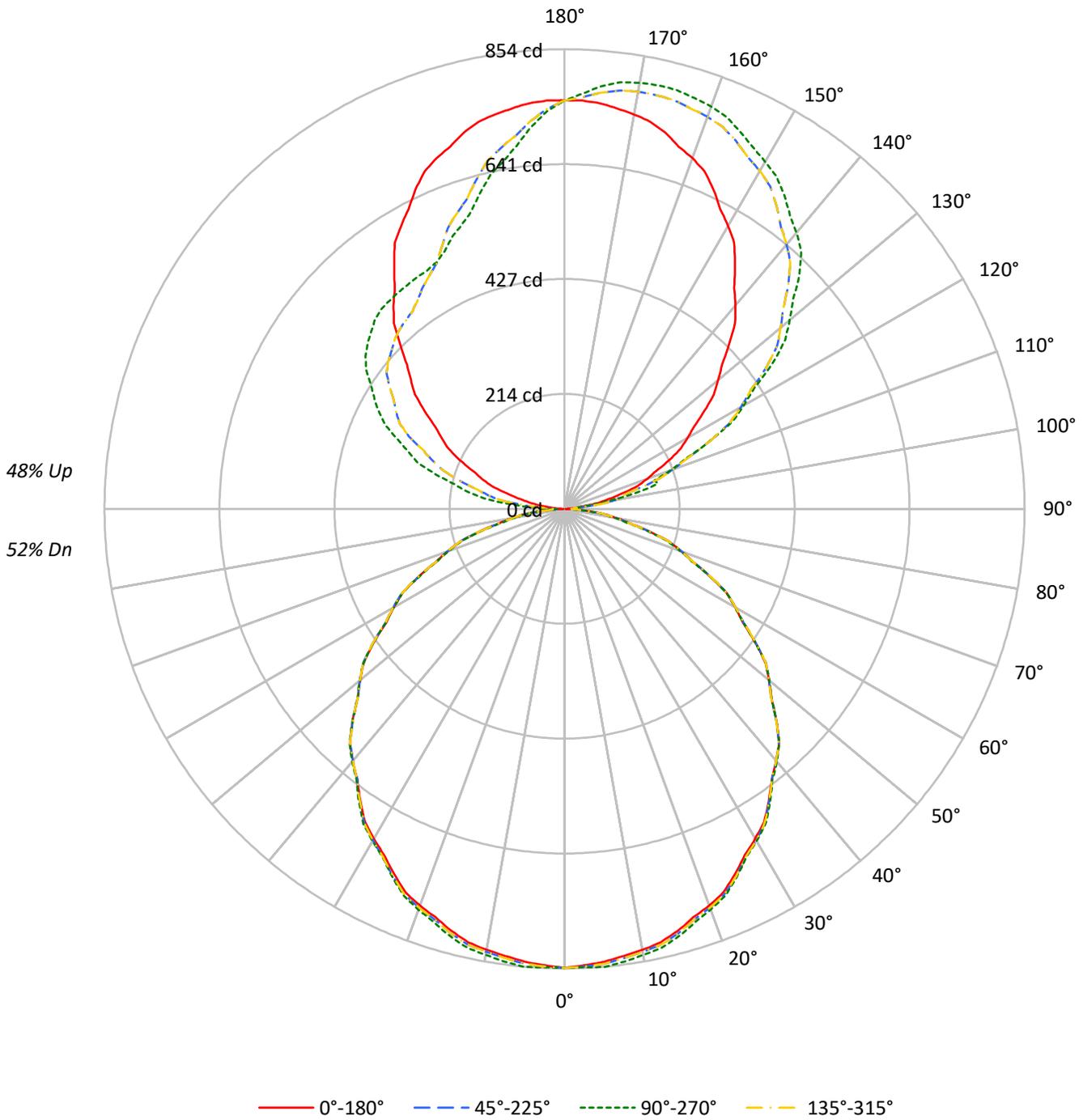
Lumens per Lamp: N/A
Luminaire Lumens: 4619.4 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.7
Input Voltage (V): 120
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: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 84 | 84 | 84 | 71 | 71 | 71 | 58 | 58 | 58 | 52 | | | | |
| 1 | 98 | 94 | 90 | 86 | 91 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 59 | 51 | 50 | 49 | 43 | | | | |
| 2 | 89 | 82 | 75 | 70 | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 54 | 51 | 49 | 45 | 43 | 41 | 36 | | | | |
| 3 | 81 | 72 | 64 | 58 | 75 | 66 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 34 | 30 | | | | |
| 4 | 74 | 63 | 55 | 49 | 68 | 59 | 52 | 46 | 50 | 45 | 40 | 42 | 38 | 35 | 35 | 32 | 30 | 26 | | | | |
| 5 | 68 | 56 | 48 | 42 | 63 | 52 | 45 | 39 | 45 | 39 | 35 | 38 | 34 | 30 | 32 | 28 | 26 | 22 | | | | |
| 6 | 63 | 50 | 42 | 36 | 58 | 47 | 40 | 34 | 40 | 35 | 30 | 34 | 30 | 26 | 29 | 25 | 22 | 20 | | | | |
| 7 | 58 | 45 | 37 | 32 | 53 | 42 | 35 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 23 | 20 | 17 | | | | |
| 8 | 54 | 41 | 33 | 28 | 50 | 39 | 31 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 15 | | | | |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 | | | | |
| 10 | 47 | 34 | 27 | 22 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13775 | 13775 | 13775 | 13775 |
| 5° | 13692 | 13847 | 13692 | 13847 |
| 10° | 13644 | 13801 | 13644 | 13801 |
| 15° | 13569 | 13740 | 13569 | 13740 |
| 20° | 13483 | 13617 | 13483 | 13617 |
| 25° | 13338 | 13455 | 13338 | 13455 |
| 30° | 13196 | 13285 | 13196 | 13285 |
| 35° | 13026 | 13111 | 13026 | 13111 |
| 40° | 12880 | 12918 | 12880 | 12918 |
| 45° | 12691 | 12691 | 12691 | 12691 |
| 50° | 12436 | 12466 | 12436 | 12466 |
| 55° | 12143 | 12160 | 12143 | 12160 |
| 60° | 11815 | 11815 | 11815 | 11815 |
| 65° | 11431 | 11385 | 11431 | 11385 |
| 70° | 10891 | 10777 | 10891 | 10777 |
| 75° | 10156 | 9931 | 10156 | 9931 |
| 80° | 9047 | 8601 | 9047 | 8601 |
| 85° | 7243 | 6113 | 7243 | 6113 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12775 cd/sqm



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.7 | 1.7 |
| 10°-20° | 230.7 | 5.0 |
| 20°-30° | 347.2 | 7.5 |
| 30°-40° | 415.2 | 9.0 |
| 40°-50° | 428.8 | 9.3 |
| 50°-60° | 386.7 | 8.4 |
| 60°-70° | 296.2 | 6.4 |
| 70°-80° | 171.2 | 3.7 |
| 80°-90° | 47.6 | 1.0 |
| 90°-100° | 60.4 | 1.3 |
| 100°-110° | 176.1 | 3.8 |
| 110°-120° | 287.3 | 6.2 |
| 120°-130° | 364.6 | 7.9 |
| 130°-140° | 390.1 | 8.4 |
| 140°-150° | 364.3 | 7.9 |
| 150°-160° | 299.8 | 6.5 |
| 160°-170° | 201.0 | 4.4 |
| 170°-180° | 71.4 | 1.5 |
| 0°-30° | 658.6 | 14.3 |
| 0°-40° | 1073.9 | 23.2 |
| 0°-60° | 1889.3 | 40.9 |
| 0°-90° | 2404.4 | 52.0 |
| 90°-120° | 523.8 | 11.3 |
| 90°-150° | 1642.8 | 35.6 |
| 90°-180° | 2215.0 | 47.9 |
| 0°-180° | 4619.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 853 | 853 | 853 | 853 | 853 | |
| 5° | 845 | 854 | 845 | 854 | 845 | 80 |
| 15° | 812 | 822 | 812 | 822 | 812 | 229 |
| 25° | 749 | 755 | 749 | 755 | 749 | 345 |
| 35° | 661 | 665 | 661 | 665 | 661 | 414 |
| 45° | 556 | 556 | 556 | 556 | 556 | 428 |
| 55° | 431 | 432 | 431 | 432 | 431 | 385 |
| 65° | 299 | 298 | 299 | 298 | 299 | 296 |
| 75° | 163 | 159 | 163 | 159 | 163 | 172 |
| 85° | 39 | 33 | 39 | 33 | 39 | 45 |
| 90° | 2 | 17 | 2 | 33 | 2 | 3 |
| 95° | 24 | 18 | 24 | 103 | 24 | 29 |
| 105° | 112 | 179 | 112 | 247 | 112 | 119 |
| 115° | 215 | 297 | 215 | 366 | 215 | 211 |
| 125° | 317 | 471 | 317 | 449 | 317 | 284 |
| 135° | 431 | 617 | 431 | 497 | 431 | 333 |
| 145° | 551 | 711 | 551 | 508 | 551 | 345 |
| 155° | 654 | 772 | 654 | 527 | 654 | 301 |
| 165° | 723 | 805 | 723 | 607 | 723 | 204 |
| 175° | 756 | 788 | 756 | 712 | 756 | 72 |
| 180° | 759 | 759 | 759 | 759 | 759 | |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 |
| 2.5° | 848.9 | 853.0 | 857.0 | 855.3 | 851.7 | 850.3 | 851.1 | 851.9 | 852.3 | 852.7 | 852.3 |
| 5° | 844.8 | 850.2 | 855.5 | 853.6 | 849.4 | 847.5 | 848.0 | 849.1 | 851.8 | 854.4 | 851.8 |
| 7.5° | 838.0 | 843.3 | 848.6 | 846.9 | 842.9 | 841.2 | 841.8 | 843.0 | 845.8 | 848.5 | 845.8 |
| 10° | 832.2 | 837.5 | 842.9 | 841.0 | 836.7 | 835.1 | 836.2 | 837.5 | 839.7 | 841.8 | 839.7 |
| 12.5° | 825.0 | 830.3 | 835.7 | 834.1 | 830.3 | 828.7 | 829.3 | 830.4 | 832.7 | 835.1 | 832.7 |
| 15° | 811.8 | 817.1 | 822.4 | 821.0 | 817.2 | 815.8 | 816.6 | 817.7 | 819.8 | 822.0 | 819.8 |
| 17.5° | 795.8 | 800.8 | 805.8 | 804.5 | 801.0 | 799.7 | 800.6 | 801.8 | 803.6 | 805.5 | 803.6 |
| 20° | 784.7 | 789.5 | 794.3 | 792.9 | 789.5 | 787.9 | 788.1 | 788.8 | 790.7 | 792.5 | 790.7 |
| 22.5° | 771.3 | 776.1 | 780.9 | 779.6 | 776.4 | 774.5 | 773.9 | 774.0 | 776.3 | 778.6 | 776.3 |
| 25° | 748.7 | 753.5 | 758.3 | 757.3 | 754.3 | 752.5 | 751.7 | 751.5 | 753.4 | 755.3 | 753.4 |
| 27.5° | 725.1 | 729.1 | 733.1 | 732.3 | 729.8 | 728.3 | 727.8 | 727.7 | 729.1 | 730.4 | 729.1 |
| 30° | 707.8 | 711.8 | 715.8 | 714.8 | 712.2 | 710.6 | 710.0 | 710.0 | 711.3 | 712.6 | 711.3 |
| 32.5° | 689.5 | 693.3 | 697.1 | 695.8 | 692.7 | 691.1 | 691.0 | 691.3 | 692.8 | 694.4 | 692.8 |
| 35° | 660.9 | 664.2 | 667.4 | 666.0 | 663.0 | 661.7 | 662.0 | 662.5 | 663.8 | 665.2 | 663.8 |
| 37.5° | 632.2 | 634.7 | 637.1 | 635.7 | 633.0 | 631.6 | 631.5 | 631.8 | 632.9 | 634.0 | 632.9 |
| 40° | 611.1 | 613.7 | 616.4 | 614.9 | 611.9 | 610.3 | 610.1 | 610.2 | 611.5 | 612.9 | 611.5 |
| 42.5° | 589.4 | 591.5 | 593.5 | 592.1 | 589.6 | 588.4 | 588.6 | 588.9 | 589.6 | 590.3 | 589.6 |
| 45° | 555.8 | 557.7 | 559.5 | 558.2 | 555.8 | 554.6 | 554.6 | 554.7 | 555.3 | 555.8 | 555.3 |
| 47.5° | 520.6 | 522.0 | 523.5 | 522.4 | 520.6 | 519.5 | 519.1 | 519.1 | 520.0 | 520.8 | 520.0 |
| 50° | 495.1 | 497.0 | 498.8 | 497.9 | 496.0 | 494.8 | 494.3 | 494.2 | 495.2 | 496.3 | 495.2 |
| 52.5° | 470.1 | 472.2 | 474.3 | 473.4 | 471.5 | 470.2 | 469.5 | 469.1 | 470.0 | 470.8 | 470.0 |
| 55° | 431.4 | 433.8 | 436.2 | 435.6 | 434.0 | 432.7 | 431.6 | 431.0 | 431.5 | 432.0 | 431.5 |
| 57.5° | 391.9 | 394.2 | 396.6 | 396.1 | 394.7 | 393.4 | 392.1 | 391.3 | 392.1 | 392.8 | 392.1 |
| 60° | 365.9 | 368.1 | 370.2 | 369.5 | 367.9 | 366.6 | 365.5 | 364.9 | 365.4 | 365.9 | 365.4 |
| 62.5° | 339.5 | 341.6 | 343.8 | 342.9 | 341.1 | 339.7 | 338.6 | 337.9 | 338.5 | 339.0 | 338.5 |
| 65° | 299.2 | 301.1 | 303.0 | 302.2 | 300.6 | 299.3 | 298.2 | 297.5 | 297.8 | 298.0 | 297.8 |
| 67.5° | 258.6 | 260.2 | 261.8 | 261.1 | 259.5 | 258.0 | 256.4 | 255.4 | 255.8 | 256.2 | 255.8 |
| 70° | 230.7 | 232.3 | 233.9 | 233.3 | 232.0 | 230.7 | 229.3 | 228.3 | 228.3 | 228.3 | 228.3 |
| 72.5° | 203.8 | 205.2 | 206.6 | 205.8 | 204.2 | 202.9 | 201.8 | 200.9 | 200.9 | 200.9 | 200.9 |
| 75° | 162.8 | 163.6 | 164.4 | 164.0 | 163.2 | 162.2 | 160.8 | 159.8 | 159.5 | 159.2 | 159.5 |
| 77.5° | 123.3 | 123.3 | 123.3 | 122.5 | 121.5 | 120.5 | 119.5 | 118.7 | 118.3 | 118.0 | 118.3 |
| 80° | 97.3 | 97.3 | 97.3 | 96.7 | 95.9 | 95.1 | 94.3 | 93.6 | 93.1 | 92.5 | 93.1 |
| 82.5° | 73.3 | 72.9 | 72.5 | 71.7 | 70.9 | 69.9 | 68.7 | 67.9 | 68.4 | 69.0 | 68.4 |
| 85° | 39.1 | 38.5 | 38.0 | 37.3 | 36.5 | 35.5 | 34.4 | 33.6 | 33.3 | 33.0 | 33.3 |
| 87.5° | 12.5 | 12.7 | 13.0 | 13.0 | 12.8 | 12.3 | 11.4 | 10.9 | 10.8 | 10.6 | 10.8 |
| 90° | 2.3 | 5.4 | 9.2 | 12.3 | 14.6 | 15.3 | 15.3 | 16.1 | 16.9 | 16.9 | 16.9 |
| 92.5° | 8.4 | 13.3 | 13.5 | 13.5 | 16.4 | 17.8 | 19.0 | 19.2 | 19.9 | 19.9 | 19.9 |
| 95° | 23.8 | 26.1 | 39.1 | 38.3 | 26.1 | 20.7 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 97.5° | 45.4 | 48.7 | 50.9 | 68.2 | 72.0 | 69.6 | 56.7 | 47.7 | 42.6 | 40.3 | 42.6 |
| 100° | 64.4 | 65.9 | 70.5 | 71.3 | 90.4 | 108.8 | 99.6 | 88.1 | 84.3 | 82.0 | 84.3 |
| 102.5° | 83.4 | 84.3 | 91.3 | 94.6 | 99.0 | 109.4 | 141.3 | 137.8 | 135.2 | 134.7 | 135.2 |
| 105° | 111.9 | 112.6 | 125.7 | 131.8 | 134.9 | 134.9 | 134.1 | 149.4 | 173.9 | 179.3 | 173.9 |
| 107.5° | 142.4 | 145.9 | 161.2 | 177.6 | 181.1 | 182.1 | 178.1 | 175.8 | 174.9 | 175.5 | 174.9 |
| 110° | 163.2 | 168.6 | 187.0 | 207.7 | 213.0 | 214.6 | 213.0 | 210.7 | 209.2 | 209.2 | 209.2 |

TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 183.4 | 191.3 | 212.1 | 235.9 | 244.9 | 249.5 | 246.1 | 244.4 | 242.9 | 244.1 | 242.9 |
| 115° | 214.6 | 226.1 | 253.6 | 278.2 | 296.6 | 298.8 | 298.1 | 298.1 | 297.3 | 297.3 | 297.3 |
| 117.5° | 243.4 | 261.8 | 292.7 | 321.2 | 342.5 | 348.7 | 351.7 | 350.8 | 349.9 | 351.4 | 349.9 |
| 120° | 263.6 | 285.1 | 320.3 | 352.5 | 373.2 | 382.4 | 385.4 | 383.9 | 385.4 | 383.9 | 385.4 |
| 122.5° | 285.1 | 311.4 | 346.1 | 379.5 | 403.8 | 414.3 | 417.9 | 418.2 | 418.5 | 417.6 | 418.5 |
| 125° | 317.2 | 349.4 | 390.0 | 424.5 | 449.8 | 462.1 | 465.1 | 465.9 | 467.4 | 471.3 | 467.4 |
| 127.5° | 349.7 | 386.2 | 430.8 | 464.1 | 490.0 | 504.8 | 509.6 | 511.3 | 514.5 | 516.2 | 514.5 |
| 130° | 372.4 | 413.8 | 459.0 | 490.4 | 515.7 | 531.8 | 540.2 | 542.5 | 546.4 | 545.6 | 546.4 |
| 132.5° | 396.3 | 439.5 | 485.4 | 518.0 | 541.5 | 558.8 | 566.0 | 572.6 | 573.9 | 575.0 | 573.9 |
| 135° | 431.4 | 478.2 | 524.1 | 556.3 | 578.5 | 595.4 | 604.6 | 610.7 | 614.6 | 616.9 | 614.6 |
| 137.5° | 468.4 | 517.7 | 561.8 | 590.5 | 612.9 | 627.4 | 637.9 | 644.3 | 648.3 | 650.1 | 648.3 |
| 140° | 493.5 | 541.0 | 583.9 | 613.8 | 633.7 | 648.3 | 657.5 | 665.1 | 669.7 | 669.7 | 669.7 |
| 142.5° | 517.4 | 564.3 | 606.0 | 635.9 | 653.3 | 666.7 | 676.5 | 682.3 | 687.5 | 687.5 | 687.5 |
| 145° | 551.0 | 597.7 | 636.0 | 665.9 | 680.5 | 692.7 | 703.4 | 708.0 | 711.1 | 711.1 | 711.1 |
| 147.5° | 586.1 | 627.4 | 662.4 | 691.0 | 703.3 | 717.7 | 726.1 | 729.8 | 733.6 | 732.0 | 733.6 |
| 150° | 606.9 | 645.2 | 678.9 | 705.7 | 718.0 | 731.8 | 740.2 | 743.3 | 747.1 | 744.8 | 747.1 |
| 152.5° | 627.1 | 663.6 | 694.2 | 719.2 | 729.7 | 743.4 | 753.1 | 756.2 | 758.8 | 757.1 | 758.8 |
| 155° | 654.4 | 686.6 | 714.9 | 737.9 | 747.1 | 760.1 | 769.3 | 773.2 | 776.2 | 772.4 | 776.2 |
| 157.5° | 678.8 | 706.5 | 731.2 | 752.3 | 762.1 | 773.3 | 781.9 | 786.7 | 789.7 | 788.0 | 789.7 |
| 160° | 693.5 | 718.8 | 741.0 | 760.9 | 770.1 | 780.1 | 789.3 | 794.6 | 797.7 | 795.4 | 797.7 |
| 162.5° | 705.7 | 728.6 | 749.6 | 767.7 | 775.6 | 784.4 | 795.4 | 800.1 | 803.2 | 800.3 | 803.2 |
| 165° | 723.4 | 741.8 | 760.1 | 775.5 | 782.4 | 789.3 | 800.8 | 806.1 | 808.4 | 805.4 | 808.4 |
| 167.5° | 736.7 | 750.8 | 765.7 | 778.8 | 783.9 | 790.6 | 802.1 | 806.6 | 809.5 | 805.7 | 809.5 |
| 170° | 744.1 | 756.3 | 769.3 | 780.1 | 783.9 | 790.0 | 801.5 | 805.4 | 807.7 | 803.8 | 807.7 |
| 172.5° | 750.2 | 759.4 | 770.0 | 779.5 | 781.5 | 786.4 | 797.2 | 801.1 | 802.8 | 799.5 | 802.8 |
| 175° | 756.3 | 761.7 | 769.3 | 775.5 | 774.7 | 777.8 | 787.0 | 790.0 | 793.1 | 788.5 | 793.1 |
| 177.5° | 759.2 | 761.7 | 764.1 | 767.8 | 765.4 | 765.4 | 772.1 | 773.9 | 774.6 | 772.1 | 774.6 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 |
| 2.5° | 851.9 | 851.1 | 850.3 | 851.7 | 855.3 | 857.0 | 853.0 | 848.9 | 853.0 | 857.0 | 855.3 |
| 5° | 849.1 | 848.0 | 847.5 | 849.4 | 853.6 | 855.5 | 850.2 | 844.8 | 850.2 | 855.5 | 853.6 |
| 7.5° | 843.0 | 841.8 | 841.2 | 842.9 | 846.9 | 848.6 | 843.3 | 838.0 | 843.3 | 848.6 | 846.9 |
| 10° | 837.5 | 836.2 | 835.1 | 836.7 | 841.0 | 842.9 | 837.5 | 832.2 | 837.5 | 842.9 | 841.0 |
| 12.5° | 830.4 | 829.3 | 828.7 | 830.3 | 834.1 | 835.7 | 830.3 | 825.0 | 830.3 | 835.7 | 834.1 |
| 15° | 817.7 | 816.6 | 815.8 | 817.2 | 821.0 | 822.4 | 817.1 | 811.8 | 817.1 | 822.4 | 821.0 |
| 17.5° | 801.8 | 800.6 | 799.7 | 801.0 | 804.5 | 805.8 | 800.8 | 795.8 | 800.8 | 805.8 | 804.5 |
| 20° | 788.8 | 788.1 | 787.9 | 789.5 | 792.9 | 794.3 | 789.5 | 784.7 | 789.5 | 794.3 | 792.9 |
| 22.5° | 774.0 | 773.9 | 774.5 | 776.4 | 779.6 | 780.9 | 776.1 | 771.3 | 776.1 | 780.9 | 779.6 |
| 25° | 751.5 | 751.7 | 752.5 | 754.3 | 757.3 | 758.3 | 753.5 | 748.7 | 753.5 | 758.3 | 757.3 |
| 27.5° | 727.7 | 727.8 | 728.3 | 729.8 | 732.3 | 733.1 | 729.1 | 725.1 | 729.1 | 733.1 | 732.3 |
| 30° | 710.0 | 710.0 | 710.6 | 712.2 | 714.8 | 715.8 | 711.8 | 707.8 | 711.8 | 715.8 | 714.8 |
| 32.5° | 691.3 | 691.0 | 691.1 | 692.7 | 695.8 | 697.1 | 693.3 | 689.5 | 693.3 | 697.1 | 695.8 |
| 35° | 662.5 | 662.0 | 661.7 | 663.0 | 666.0 | 667.4 | 664.2 | 660.9 | 664.2 | 667.4 | 666.0 |
| 37.5° | 631.8 | 631.5 | 631.6 | 633.0 | 635.7 | 637.1 | 634.7 | 632.2 | 634.7 | 637.1 | 635.7 |
| 40° | 610.2 | 610.1 | 610.3 | 611.9 | 614.9 | 616.4 | 613.7 | 611.1 | 613.7 | 616.4 | 614.9 |
| 42.5° | 588.9 | 588.6 | 588.4 | 589.6 | 592.1 | 593.5 | 591.5 | 589.4 | 591.5 | 593.5 | 592.1 |
| 45° | 554.7 | 554.6 | 554.6 | 555.8 | 558.2 | 559.5 | 557.7 | 555.8 | 557.7 | 559.5 | 558.2 |
| 47.5° | 519.1 | 519.1 | 519.5 | 520.6 | 522.4 | 523.5 | 522.0 | 520.6 | 522.0 | 523.5 | 522.4 |
| 50° | 494.2 | 494.3 | 494.8 | 496.0 | 497.9 | 498.8 | 497.0 | 495.1 | 497.0 | 498.8 | 497.9 |
| 52.5° | 469.1 | 469.5 | 470.2 | 471.5 | 473.4 | 474.3 | 472.2 | 470.1 | 472.2 | 474.3 | 473.4 |
| 55° | 431.0 | 431.6 | 432.7 | 434.0 | 435.6 | 436.2 | 433.8 | 431.4 | 433.8 | 436.2 | 435.6 |
| 57.5° | 391.3 | 392.1 | 393.4 | 394.7 | 396.1 | 396.6 | 394.2 | 391.9 | 394.2 | 396.6 | 396.1 |
| 60° | 364.9 | 365.5 | 366.6 | 367.9 | 369.5 | 370.2 | 368.1 | 365.9 | 368.1 | 370.2 | 369.5 |
| 62.5° | 337.9 | 338.6 | 339.7 | 341.1 | 342.9 | 343.8 | 341.6 | 339.5 | 341.6 | 343.8 | 342.9 |
| 65° | 297.5 | 298.2 | 299.3 | 300.6 | 302.2 | 303.0 | 301.1 | 299.2 | 301.1 | 303.0 | 302.2 |
| 67.5° | 255.4 | 256.4 | 258.0 | 259.5 | 261.1 | 261.8 | 260.2 | 258.6 | 260.2 | 261.8 | 261.1 |
| 70° | 228.3 | 229.3 | 230.7 | 232.0 | 233.3 | 233.9 | 232.3 | 230.7 | 232.3 | 233.9 | 233.3 |
| 72.5° | 200.9 | 201.8 | 202.9 | 204.2 | 205.8 | 206.6 | 205.2 | 203.8 | 205.2 | 206.6 | 205.8 |
| 75° | 159.8 | 160.8 | 162.2 | 163.2 | 164.0 | 164.4 | 163.6 | 162.8 | 163.6 | 164.4 | 164.0 |
| 77.5° | 118.7 | 119.5 | 120.5 | 121.5 | 122.5 | 123.3 | 123.3 | 123.3 | 123.3 | 123.3 | 122.5 |
| 80° | 93.6 | 94.3 | 95.1 | 95.9 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 96.7 |
| 82.5° | 67.9 | 68.7 | 69.9 | 70.9 | 71.7 | 72.5 | 72.9 | 73.3 | 72.9 | 72.5 | 71.7 |
| 85° | 33.6 | 34.4 | 35.5 | 36.5 | 37.3 | 38.0 | 38.5 | 39.1 | 38.5 | 38.0 | 37.3 |
| 87.5° | 10.9 | 11.4 | 12.3 | 12.8 | 13.0 | 13.0 | 12.7 | 12.5 | 12.7 | 12.8 | 13.3 |
| 90° | 16.1 | 15.3 | 15.3 | 14.6 | 12.3 | 9.2 | 5.4 | 2.3 | 5.4 | 8.4 | 13.8 |
| 92.5° | 19.2 | 19.0 | 17.8 | 16.4 | 13.5 | 13.5 | 13.3 | 8.4 | 14.6 | 20.7 | 29.7 |
| 95° | 17.6 | 17.6 | 20.7 | 26.1 | 38.3 | 39.1 | 26.1 | 23.8 | 33.7 | 47.5 | 59.8 |
| 97.5° | 47.7 | 56.7 | 69.6 | 72.0 | 68.2 | 50.9 | 48.7 | 45.4 | 61.8 | 75.4 | 95.2 |
| 100° | 88.1 | 99.6 | 108.8 | 90.4 | 71.3 | 70.5 | 65.9 | 64.4 | 82.0 | 95.0 | 114.2 |
| 102.5° | 137.8 | 141.3 | 109.4 | 99.0 | 94.6 | 91.3 | 84.3 | 83.4 | 101.0 | 118.9 | 135.0 |
| 105° | 149.4 | 134.1 | 134.9 | 134.9 | 131.8 | 125.7 | 112.6 | 111.9 | 131.8 | 152.5 | 172.4 |
| 107.5° | 175.8 | 178.1 | 182.1 | 181.1 | 177.6 | 161.2 | 145.9 | 142.4 | 160.3 | 185.1 | 207.0 |
| 110° | 210.7 | 213.0 | 214.6 | 213.0 | 207.7 | 187.0 | 168.6 | 163.2 | 179.3 | 205.4 | 229.1 |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 244.4 | 246.1 | 249.5 | 244.9 | 235.9 | 212.1 | 191.3 | 183.4 | 199.5 | 226.2 | 250.6 |
| 115° | 298.1 | 298.1 | 298.8 | 296.6 | 278.2 | 253.6 | 226.1 | 214.6 | 228.4 | 252.9 | 279.7 |
| 117.5° | 350.8 | 351.7 | 348.7 | 342.5 | 321.2 | 292.7 | 261.8 | 243.4 | 254.3 | 280.2 | 307.7 |
| 120° | 383.9 | 385.4 | 382.4 | 373.2 | 352.5 | 320.3 | 285.1 | 263.6 | 272.0 | 297.3 | 324.9 |
| 122.5° | 418.2 | 417.9 | 414.3 | 403.8 | 379.5 | 346.1 | 311.4 | 285.1 | 288.6 | 312.0 | 339.0 |
| 125° | 465.9 | 465.1 | 462.1 | 449.8 | 424.5 | 390.0 | 349.4 | 317.2 | 312.6 | 332.6 | 360.2 |
| 127.5° | 511.3 | 509.6 | 504.8 | 490.0 | 464.1 | 430.8 | 386.2 | 349.7 | 339.5 | 352.0 | 377.3 |
| 130° | 542.5 | 540.2 | 531.8 | 515.7 | 490.4 | 459.0 | 413.8 | 372.4 | 357.9 | 365.5 | 387.7 |
| 132.5° | 572.6 | 566.0 | 558.8 | 541.5 | 518.0 | 485.4 | 439.5 | 396.3 | 376.2 | 379.6 | 396.9 |
| 135° | 610.7 | 604.6 | 595.4 | 578.5 | 556.3 | 524.1 | 478.2 | 431.4 | 403.8 | 400.8 | 410.7 |
| 137.5° | 644.3 | 637.9 | 627.4 | 612.9 | 590.5 | 561.8 | 517.7 | 468.4 | 433.6 | 423.3 | 427.1 |
| 140° | 665.1 | 657.5 | 648.3 | 633.7 | 613.8 | 583.9 | 541.0 | 493.5 | 454.4 | 439.8 | 437.5 |
| 142.5° | 682.3 | 676.5 | 666.7 | 653.3 | 635.9 | 606.0 | 564.3 | 517.4 | 475.9 | 457.0 | 451.6 |
| 145° | 708.0 | 703.4 | 692.7 | 680.5 | 665.9 | 636.0 | 597.7 | 551.0 | 509.6 | 485.1 | 473.6 |
| 147.5° | 729.8 | 726.1 | 717.7 | 703.3 | 691.0 | 662.4 | 627.4 | 586.1 | 543.6 | 513.3 | 498.4 |
| 150° | 743.3 | 740.2 | 731.8 | 718.0 | 705.7 | 678.9 | 645.2 | 606.9 | 566.3 | 534.1 | 514.9 |
| 152.5° | 756.2 | 753.1 | 743.4 | 729.7 | 719.2 | 694.2 | 663.6 | 627.1 | 585.9 | 553.7 | 533.9 |
| 155° | 773.2 | 769.3 | 760.1 | 747.1 | 737.9 | 714.9 | 686.6 | 654.4 | 619.2 | 585.4 | 563.2 |
| 157.5° | 786.7 | 781.9 | 773.3 | 762.1 | 752.3 | 731.2 | 706.5 | 678.8 | 648.0 | 615.8 | 593.1 |
| 160° | 794.6 | 789.3 | 780.1 | 770.1 | 760.9 | 741.0 | 718.8 | 693.5 | 665.1 | 636.0 | 611.5 |
| 162.5° | 800.1 | 795.4 | 784.4 | 775.6 | 767.7 | 749.6 | 728.6 | 705.7 | 680.5 | 655.0 | 632.3 |
| 165° | 806.1 | 800.8 | 789.3 | 782.4 | 775.5 | 760.1 | 741.8 | 723.4 | 701.9 | 681.2 | 662.8 |
| 167.5° | 806.6 | 802.1 | 790.6 | 783.9 | 778.8 | 765.7 | 750.8 | 736.7 | 720.0 | 703.8 | 688.4 |
| 170° | 805.4 | 801.5 | 790.0 | 783.9 | 780.1 | 769.3 | 756.3 | 744.1 | 731.0 | 717.2 | 705.0 |
| 172.5° | 801.1 | 797.2 | 786.4 | 781.5 | 779.5 | 770.0 | 759.4 | 750.2 | 739.0 | 728.9 | 719.1 |
| 175° | 790.0 | 787.0 | 777.8 | 774.7 | 775.5 | 769.3 | 761.7 | 756.3 | 749.4 | 743.3 | 737.9 |
| 177.5° | 773.9 | 772.1 | 765.4 | 765.4 | 767.8 | 764.1 | 761.7 | 759.2 | 756.2 | 754.3 | 752.5 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 | 853.2 |
| 2.5° | 851.7 | 850.3 | 851.1 | 851.9 | 852.3 | 852.7 | 852.3 | 851.9 | 851.1 | 850.3 | 851.7 |
| 5° | 849.4 | 847.5 | 848.0 | 849.1 | 851.8 | 854.4 | 851.8 | 849.1 | 848.0 | 847.5 | 849.4 |
| 7.5° | 842.9 | 841.2 | 841.8 | 843.0 | 845.8 | 848.5 | 845.8 | 843.0 | 841.8 | 841.2 | 842.9 |
| 10° | 836.7 | 835.1 | 836.2 | 837.5 | 839.7 | 841.8 | 839.7 | 837.5 | 836.2 | 835.1 | 836.7 |
| 12.5° | 830.3 | 828.7 | 829.3 | 830.4 | 832.7 | 835.1 | 832.7 | 830.4 | 829.3 | 828.7 | 830.3 |
| 15° | 817.2 | 815.8 | 816.6 | 817.7 | 819.8 | 822.0 | 819.8 | 817.7 | 816.6 | 815.8 | 817.2 |
| 17.5° | 801.0 | 799.7 | 800.6 | 801.8 | 803.6 | 805.5 | 803.6 | 801.8 | 800.6 | 799.7 | 801.0 |
| 20° | 789.5 | 787.9 | 788.1 | 788.8 | 790.7 | 792.5 | 790.7 | 788.8 | 788.1 | 787.9 | 789.5 |
| 22.5° | 776.4 | 774.5 | 773.9 | 774.0 | 776.3 | 778.6 | 776.3 | 774.0 | 773.9 | 774.5 | 776.4 |
| 25° | 754.3 | 752.5 | 751.7 | 751.5 | 753.4 | 755.3 | 753.4 | 751.5 | 751.7 | 752.5 | 754.3 |
| 27.5° | 729.8 | 728.3 | 727.8 | 727.7 | 729.1 | 730.4 | 729.1 | 727.7 | 727.8 | 728.3 | 729.8 |
| 30° | 712.2 | 710.6 | 710.0 | 710.0 | 711.3 | 712.6 | 711.3 | 710.0 | 710.0 | 710.6 | 712.2 |
| 32.5° | 692.7 | 691.1 | 691.0 | 691.3 | 692.8 | 694.4 | 692.8 | 691.3 | 691.0 | 691.1 | 692.7 |
| 35° | 663.0 | 661.7 | 662.0 | 662.5 | 663.8 | 665.2 | 663.8 | 662.5 | 662.0 | 661.7 | 663.0 |
| 37.5° | 633.0 | 631.6 | 631.5 | 631.8 | 632.9 | 634.0 | 632.9 | 631.8 | 631.5 | 631.6 | 633.0 |
| 40° | 611.9 | 610.3 | 610.1 | 610.2 | 611.5 | 612.9 | 611.5 | 610.2 | 610.1 | 610.3 | 611.9 |
| 42.5° | 589.6 | 588.4 | 588.6 | 588.9 | 589.6 | 590.3 | 589.6 | 588.9 | 588.6 | 588.4 | 589.6 |
| 45° | 555.8 | 554.6 | 554.6 | 554.7 | 555.3 | 555.8 | 555.3 | 554.7 | 554.6 | 554.6 | 555.8 |
| 47.5° | 520.6 | 519.5 | 519.1 | 519.1 | 520.0 | 520.8 | 520.0 | 519.1 | 519.1 | 519.5 | 520.6 |
| 50° | 496.0 | 494.8 | 494.3 | 494.2 | 495.2 | 496.3 | 495.2 | 494.2 | 494.3 | 494.8 | 496.0 |
| 52.5° | 471.5 | 470.2 | 469.5 | 469.1 | 470.0 | 470.8 | 470.0 | 469.1 | 469.5 | 470.2 | 471.5 |
| 55° | 434.0 | 432.7 | 431.6 | 431.0 | 431.5 | 432.0 | 431.5 | 431.0 | 431.6 | 432.7 | 434.0 |
| 57.5° | 394.7 | 393.4 | 392.1 | 391.3 | 392.1 | 392.8 | 392.1 | 391.3 | 392.1 | 393.4 | 394.7 |
| 60° | 367.9 | 366.6 | 365.5 | 364.9 | 365.4 | 365.9 | 365.4 | 364.9 | 365.5 | 366.6 | 367.9 |
| 62.5° | 341.1 | 339.7 | 338.6 | 337.9 | 338.5 | 339.0 | 338.5 | 337.9 | 338.6 | 339.7 | 341.1 |
| 65° | 300.6 | 299.3 | 298.2 | 297.5 | 297.8 | 298.0 | 297.8 | 297.5 | 298.2 | 299.3 | 300.6 |
| 67.5° | 259.5 | 258.0 | 256.4 | 255.4 | 255.8 | 256.2 | 255.8 | 255.4 | 256.4 | 258.0 | 259.5 |
| 70° | 232.0 | 230.7 | 229.3 | 228.3 | 228.3 | 228.3 | 228.3 | 228.3 | 229.3 | 230.7 | 232.0 |
| 72.5° | 204.2 | 202.9 | 201.8 | 200.9 | 200.9 | 200.9 | 200.9 | 200.9 | 201.8 | 202.9 | 204.2 |
| 75° | 163.2 | 162.2 | 160.8 | 159.8 | 159.5 | 159.2 | 159.5 | 159.8 | 160.8 | 162.2 | 163.2 |
| 77.5° | 121.5 | 120.5 | 119.5 | 118.7 | 118.3 | 118.0 | 118.3 | 118.7 | 119.5 | 120.5 | 121.5 |
| 80° | 95.9 | 95.1 | 94.3 | 93.6 | 93.1 | 92.5 | 93.1 | 93.6 | 94.3 | 95.1 | 95.9 |
| 82.5° | 70.9 | 69.9 | 68.7 | 67.9 | 68.4 | 69.0 | 68.4 | 67.9 | 68.7 | 69.9 | 70.9 |
| 85° | 36.5 | 35.5 | 34.4 | 33.6 | 33.3 | 33.0 | 33.3 | 33.6 | 34.4 | 35.5 | 36.5 |
| 87.5° | 13.5 | 13.8 | 14.0 | 13.9 | 14.3 | 13.8 | 14.3 | 13.9 | 14.0 | 13.8 | 13.5 |
| 90° | 17.6 | 23.0 | 28.4 | 31.4 | 34.5 | 33.0 | 34.5 | 31.4 | 28.4 | 23.0 | 17.6 |
| 92.5° | 35.4 | 44.4 | 51.0 | 56.6 | 59.0 | 58.7 | 59.0 | 56.6 | 51.0 | 44.4 | 35.4 |
| 95° | 71.3 | 82.0 | 92.7 | 100.4 | 105.0 | 103.4 | 105.0 | 100.4 | 92.7 | 82.0 | 71.3 |
| 97.5° | 109.9 | 124.3 | 136.2 | 143.4 | 148.0 | 151.1 | 148.0 | 143.4 | 136.2 | 124.3 | 109.9 |
| 100° | 135.6 | 149.4 | 163.2 | 171.6 | 179.3 | 182.4 | 179.3 | 171.6 | 163.2 | 149.4 | 135.6 |
| 102.5° | 156.5 | 174.6 | 189.6 | 198.6 | 205.1 | 208.1 | 205.1 | 198.6 | 189.6 | 174.6 | 156.5 |
| 105° | 190.8 | 210.0 | 226.1 | 237.5 | 244.4 | 246.7 | 244.4 | 237.5 | 226.1 | 210.0 | 190.8 |
| 107.5° | 225.1 | 244.9 | 259.8 | 272.5 | 280.9 | 285.8 | 280.9 | 272.5 | 259.8 | 244.9 | 225.1 |
| 110° | 252.1 | 268.2 | 284.3 | 295.8 | 304.2 | 307.3 | 304.2 | 295.8 | 284.3 | 268.2 | 252.1 |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 274.8 | 292.7 | 308.8 | 320.3 | 330.0 | 334.3 | 330.0 | 320.3 | 308.8 | 292.7 | 274.8 |
| 115° | 306.5 | 330.3 | 344.8 | 355.6 | 362.5 | 366.3 | 362.5 | 355.6 | 344.8 | 330.3 | 306.5 |
| 117.5° | 332.9 | 357.7 | 373.6 | 381.9 | 385.1 | 387.9 | 385.1 | 381.9 | 373.6 | 357.7 | 332.9 |
| 120° | 349.4 | 372.4 | 390.8 | 401.5 | 405.4 | 406.9 | 405.4 | 401.5 | 390.8 | 372.4 | 349.4 |
| 122.5° | 364.7 | 386.5 | 404.3 | 417.5 | 423.8 | 425.3 | 423.8 | 417.5 | 404.3 | 386.5 | 364.7 |
| 125° | 386.2 | 406.9 | 425.3 | 438.3 | 445.2 | 449.0 | 445.2 | 438.3 | 425.3 | 406.9 | 386.2 |
| 127.5° | 404.9 | 427.3 | 444.1 | 455.9 | 462.7 | 465.7 | 462.7 | 455.9 | 444.1 | 427.3 | 404.9 |
| 130° | 415.3 | 438.3 | 455.2 | 468.2 | 474.3 | 477.4 | 474.3 | 468.2 | 455.2 | 438.3 | 415.3 |
| 132.5° | 423.3 | 447.5 | 465.0 | 476.8 | 483.5 | 486.6 | 483.5 | 476.8 | 465.0 | 447.5 | 423.3 |
| 135° | 432.9 | 458.2 | 476.6 | 488.1 | 494.3 | 497.3 | 494.3 | 488.1 | 476.6 | 458.2 | 432.9 |
| 137.5° | 441.4 | 464.4 | 483.5 | 495.6 | 501.1 | 503.1 | 501.1 | 495.6 | 483.5 | 464.4 | 441.4 |
| 140° | 447.5 | 467.4 | 486.6 | 498.1 | 504.2 | 505.0 | 504.2 | 498.1 | 486.6 | 467.4 | 447.5 |
| 142.5° | 455.5 | 471.1 | 487.8 | 499.3 | 505.4 | 506.8 | 505.4 | 499.3 | 487.8 | 471.1 | 455.5 |
| 145° | 469.7 | 478.9 | 490.4 | 501.1 | 506.5 | 508.0 | 506.5 | 501.1 | 490.4 | 478.9 | 469.7 |
| 147.5° | 487.7 | 490.6 | 496.5 | 503.6 | 508.8 | 509.9 | 508.8 | 503.6 | 496.5 | 490.6 | 487.7 |
| 150° | 501.1 | 500.4 | 502.7 | 507.3 | 511.9 | 511.1 | 511.9 | 507.3 | 502.7 | 500.4 | 501.1 |
| 152.5° | 516.5 | 512.0 | 511.9 | 514.0 | 516.2 | 516.0 | 516.2 | 514.0 | 511.9 | 512.0 | 516.5 |
| 155° | 542.5 | 534.1 | 529.5 | 528.0 | 528.0 | 527.2 | 528.0 | 528.0 | 529.5 | 534.1 | 542.5 |
| 157.5° | 571.2 | 559.4 | 552.5 | 548.8 | 547.7 | 546.1 | 547.7 | 548.8 | 552.5 | 559.4 | 571.2 |
| 160° | 590.8 | 577.8 | 570.9 | 564.7 | 562.4 | 560.2 | 562.4 | 564.7 | 570.9 | 577.8 | 590.8 |
| 162.5° | 609.2 | 596.8 | 589.3 | 583.8 | 581.5 | 577.9 | 581.5 | 583.8 | 589.3 | 596.8 | 609.2 |
| 165° | 639.1 | 626.1 | 617.6 | 613.0 | 610.0 | 606.9 | 610.0 | 613.0 | 617.6 | 626.1 | 639.1 |
| 167.5° | 669.0 | 654.7 | 649.2 | 644.0 | 641.1 | 635.6 | 641.1 | 644.0 | 649.2 | 654.7 | 669.0 |
| 170° | 687.4 | 674.3 | 671.3 | 666.7 | 661.3 | 655.2 | 661.3 | 666.7 | 671.3 | 674.3 | 687.4 |
| 172.5° | 703.3 | 694.6 | 691.5 | 686.9 | 685.2 | 680.3 | 685.2 | 686.9 | 691.5 | 694.6 | 703.3 |
| 175° | 726.4 | 719.5 | 719.5 | 718.8 | 716.5 | 711.9 | 716.5 | 718.8 | 719.5 | 719.5 | 726.4 |
| 177.5° | 745.7 | 742.1 | 744.5 | 744.5 | 743.9 | 739.6 | 743.9 | 744.5 | 744.5 | 742.1 | 745.7 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 0° | 853.2 | 853.2 | 853.2 | 853.2 |
| 2.5° | 855.3 | 857.0 | 853.0 | 848.9 |
| 5° | 853.6 | 855.5 | 850.2 | 844.8 |
| 7.5° | 846.9 | 848.6 | 843.3 | 838.0 |
| 10° | 841.0 | 842.9 | 837.5 | 832.2 |
| 12.5° | 834.1 | 835.7 | 830.3 | 825.0 |
| 15° | 821.0 | 822.4 | 817.1 | 811.8 |
| 17.5° | 804.5 | 805.8 | 800.8 | 795.8 |
| 20° | 792.9 | 794.3 | 789.5 | 784.7 |
| 22.5° | 779.6 | 780.9 | 776.1 | 771.3 |
| 25° | 757.3 | 758.3 | 753.5 | 748.7 |
| 27.5° | 732.3 | 733.1 | 729.1 | 725.1 |
| 30° | 714.8 | 715.8 | 711.8 | 707.8 |
| 32.5° | 695.8 | 697.1 | 693.3 | 689.5 |
| 35° | 666.0 | 667.4 | 664.2 | 660.9 |
| 37.5° | 635.7 | 637.1 | 634.7 | 632.2 |
| 40° | 614.9 | 616.4 | 613.7 | 611.1 |
| 42.5° | 592.1 | 593.5 | 591.5 | 589.4 |
| 45° | 558.2 | 559.5 | 557.7 | 555.8 |
| 47.5° | 522.4 | 523.5 | 522.0 | 520.6 |
| 50° | 497.9 | 498.8 | 497.0 | 495.1 |
| 52.5° | 473.4 | 474.3 | 472.2 | 470.1 |
| 55° | 435.6 | 436.2 | 433.8 | 431.4 |
| 57.5° | 396.1 | 396.6 | 394.2 | 391.9 |
| 60° | 369.5 | 370.2 | 368.1 | 365.9 |
| 62.5° | 342.9 | 343.8 | 341.6 | 339.5 |
| 65° | 302.2 | 303.0 | 301.1 | 299.2 |
| 67.5° | 261.1 | 261.8 | 260.2 | 258.6 |
| 70° | 233.3 | 233.9 | 232.3 | 230.7 |
| 72.5° | 205.8 | 206.6 | 205.2 | 203.8 |
| 75° | 164.0 | 164.4 | 163.6 | 162.8 |
| 77.5° | 122.5 | 123.3 | 123.3 | 123.3 |
| 80° | 96.7 | 97.3 | 97.3 | 97.3 |
| 82.5° | 71.7 | 72.5 | 72.9 | 73.3 |
| 85° | 37.3 | 38.0 | 38.5 | 39.1 |
| 87.5° | 13.3 | 12.8 | 12.7 | 12.5 |
| 90° | 13.8 | 8.4 | 5.4 | 2.3 |
| 92.5° | 29.7 | 20.7 | 14.6 | 8.4 |
| 95° | 59.8 | 47.5 | 33.7 | 23.8 |
| 97.5° | 95.2 | 75.4 | 61.8 | 45.4 |
| 100° | 114.2 | 95.0 | 82.0 | 64.4 |
| 102.5° | 135.0 | 118.9 | 101.0 | 83.4 |
| 105° | 172.4 | 152.5 | 131.8 | 111.9 |
| 107.5° | 207.0 | 185.1 | 160.3 | 142.4 |
| 110° | 229.1 | 205.4 | 179.3 | 163.2 |

TEST NUMBER: P1427701

CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|--------|-------|-------|-------|-------|
| 112.5° | 250.6 | 226.2 | 199.5 | 183.4 |
| 115° | 279.7 | 252.9 | 228.4 | 214.6 |
| 117.5° | 307.7 | 280.2 | 254.3 | 243.4 |
| 120° | 324.9 | 297.3 | 272.0 | 263.6 |
| 122.5° | 339.0 | 312.0 | 288.6 | 285.1 |
| 125° | 360.2 | 332.6 | 312.6 | 317.2 |
| 127.5° | 377.3 | 352.0 | 339.5 | 349.7 |
| 130° | 387.7 | 365.5 | 357.9 | 372.4 |
| 132.5° | 396.9 | 379.6 | 376.2 | 396.3 |
| 135° | 410.7 | 400.8 | 403.8 | 431.4 |
| 137.5° | 427.1 | 423.3 | 433.6 | 468.4 |
| 140° | 437.5 | 439.8 | 454.4 | 493.5 |
| 142.5° | 451.6 | 457.0 | 475.9 | 517.4 |
| 145° | 473.6 | 485.1 | 509.6 | 551.0 |
| 147.5° | 498.4 | 513.3 | 543.6 | 586.1 |
| 150° | 514.9 | 534.1 | 566.3 | 606.9 |
| 152.5° | 533.9 | 553.7 | 585.9 | 627.1 |
| 155° | 563.2 | 585.4 | 619.2 | 654.4 |
| 157.5° | 593.1 | 615.8 | 648.0 | 678.8 |
| 160° | 611.5 | 636.0 | 665.1 | 693.5 |
| 162.5° | 632.3 | 655.0 | 680.5 | 705.7 |
| 165° | 662.8 | 681.2 | 701.9 | 723.4 |
| 167.5° | 688.4 | 703.8 | 720.0 | 736.7 |
| 170° | 705.0 | 717.2 | 731.0 | 744.1 |
| 172.5° | 719.1 | 728.9 | 739.0 | 750.2 |
| 175° | 737.9 | 743.3 | 749.4 | 756.3 |
| 177.5° | 752.5 | 754.3 | 756.2 | 759.2 |
| 180° | 758.6 | 758.6 | 758.6 | 758.6 |



TEST NUMBER: P1427701
 CATALOG NUMBER: SQ2W-F-K-050U-050D-L840-UNV-STD-W-WM-4

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 | 17.16 | 18.05 | 18.10 | 19.01 | 20.25 | 17.08 | 17.97 | 18.01 | 18.92 | 20.16 |
| | 3H | 18.95 | 19.75 | 19.90 | 20.72 | 21.98 | 18.85 | 19.65 | 19.80 | 20.62 | 21.88 |
| | 4H | 19.65 | 20.41 | 20.61 | 21.38 | 22.65 | 19.54 | 20.29 | 20.50 | 21.26 | 22.54 |
| | 6H | 20.09 | 20.79 | 21.06 | 21.76 | 23.05 | 19.95 | 20.65 | 20.92 | 21.62 | 22.91 |
| | 8H | 20.25 | 20.92 | 21.23 | 21.91 | 23.19 | 20.09 | 20.76 | 21.07 | 21.75 | 23.04 |
| | 12H | 20.34 | 20.97 | 21.32 | 21.96 | 23.26 | 20.16 | 20.79 | 21.14 | 21.78 | 23.09 |
| 4H | 2H | 17.75 | 18.50 | 18.71 | 19.47 | 20.75 | 17.68 | 18.44 | 18.65 | 19.41 | 20.68 |
| | 3H | 19.77 | 20.40 | 20.75 | 21.40 | 22.69 | 19.68 | 20.31 | 20.65 | 21.31 | 22.60 |
| | 4H | 20.58 | 21.16 | 21.57 | 22.16 | 23.47 | 20.47 | 21.05 | 21.46 | 22.05 | 23.36 |
| | 6H | 21.14 | 21.64 | 22.14 | 22.65 | 23.96 | 21.00 | 21.50 | 22.00 | 22.51 | 23.82 |
| | 8H | 21.35 | 21.82 | 22.35 | 22.83 | 24.15 | 21.19 | 21.66 | 22.20 | 22.67 | 23.99 |
| | 12H | 21.47 | 21.89 | 22.49 | 22.92 | 24.24 | 21.28 | 21.71 | 22.30 | 22.73 | 24.06 |
| 8H | 4H | 20.83 | 21.30 | 21.83 | 22.31 | 23.63 | 20.73 | 21.20 | 21.73 | 22.21 | 23.53 |
| | 6H | 21.52 | 21.91 | 22.55 | 22.96 | 24.28 | 21.39 | 21.78 | 22.42 | 22.83 | 24.15 |
| | 8H | 21.83 | 22.17 | 22.86 | 23.21 | 24.54 | 21.67 | 22.01 | 22.71 | 23.05 | 24.39 |
| | 12H | 22.01 | 22.31 | 23.05 | 23.34 | 24.73 | 21.82 | 22.12 | 22.86 | 23.15 | 24.54 |
| 12H | 4H | 20.83 | 21.25 | 21.85 | 22.27 | 23.60 | 20.73 | 21.16 | 21.75 | 22.18 | 23.51 |
| | 6H | 21.57 | 21.91 | 22.61 | 22.95 | 24.29 | 21.45 | 21.79 | 22.48 | 22.83 | 24.17 |
| | 8H | 21.91 | 22.21 | 22.95 | 23.24 | 24.62 | 21.76 | 22.06 | 22.79 | 23.09 | 24.47 |