

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435763

Luminaire Tested: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435763  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

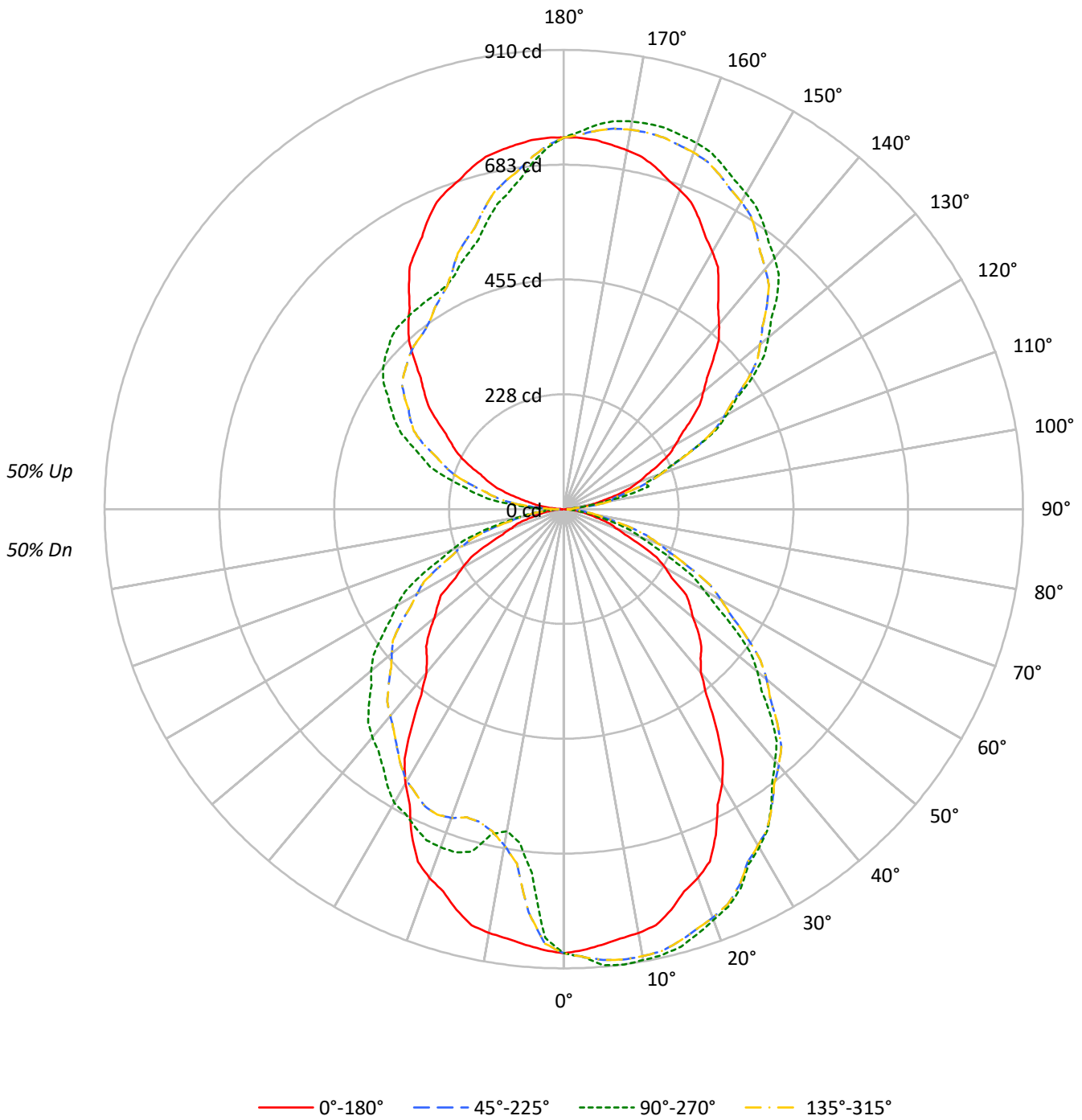
Lumens per Lamp: N/A  
Luminaire Lumens: 4337.7 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 69 | 69 | 69 | 57 | 57 | 57 | 50 |
| 1   | 98  | 94  | 90  | 86  | 90 | 87 | 83 | 80 | 73 | 71 | 69 | 61 | 60 | 58 | 50 | 49 | 48 | 43 |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 64 | 61 | 57 | 54 | 51 | 49 | 44 | 42 | 40 | 36 |
| 3   | 81  | 72  | 65  | 59  | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 34 | 30 |
| 4   | 74  | 64  | 56  | 50  | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 42 | 38 | 35 | 35 | 32 | 30 | 26 |
| 5   | 68  | 57  | 49  | 43  | 63 | 53 | 46 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 28 | 26 | 23 |
| 6   | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 34 | 30 | 27 | 29 | 25 | 23 | 20 |
| 7   | 58  | 46  | 38  | 32  | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 |
| 9   | 50  | 38  | 31  | 25  | 46 | 36 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 |
| 10  | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14210 | 14210 | 14210 | 14210 |
| 5°  | 14044 | 14706 | 14044 | 11721 |
| 10° | 13981 | 14876 | 13981 | 10625 |
| 15° | 13741 | 14997 | 13741 | 11746 |
| 20° | 13364 | 14888 | 13364 | 12251 |
| 25° | 12702 | 14767 | 12702 | 12397 |
| 30° | 11702 | 14437 | 11702 | 12528 |
| 35° | 10354 | 14120 | 10354 | 12305 |
| 40° | 8915  | 13733 | 8915  | 12439 |
| 45° | 8802  | 13241 | 8802  | 12462 |
| 50° | 8397  | 12597 | 8397  | 12509 |
| 55° | 8355  | 11620 | 8355  | 12388 |
| 60° | 7492  | 10356 | 7492  | 12338 |
| 65° | 6388  | 9123  | 6388  | 11988 |
| 70° | 5155  | 7728  | 5155  | 11112 |
| 75° | 4467  | 6382  | 4467  | 10212 |
| 80° | 3803  | 4760  | 3803  | 8247  |
| 85° | 2519  | 2519  | 2519  | 5057  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 13657 cd/sqm



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 79.2   | 1.8       |
| 10°-20°   | 221.3  | 5.1       |
| 20°-30°   | 336.0  | 7.7       |
| 30°-40°   | 394.5  | 9.1       |
| 40°-50°   | 400.4  | 9.2       |
| 50°-60°   | 350.7  | 8.1       |
| 60°-70°   | 248.7  | 5.7       |
| 70°-80°   | 128.1  | 3.0       |
| 80°-90°   | 29.9   | 0.7       |
| 90°-100°  | 58.6   | 1.4       |
| 100°-110° | 170.8  | 3.9       |
| 110°-120° | 278.8  | 6.4       |
| 120°-130° | 353.7  | 8.2       |
| 130°-140° | 378.5  | 8.7       |
| 140°-150° | 353.4  | 8.1       |
| 150°-160° | 290.8  | 6.7       |
| 160°-170° | 195.1  | 4.5       |
| 170°-180° | 69.3   | 1.6       |
| 0°-30°    | 636.5  | 14.7      |
| 0°-40°    | 1031.0 | 23.8      |
| 0°-60°    | 1782.0 | 41.1      |
| 0°-90°    | 2188.7 | 50.5      |
| 90°-120°  | 508.2  | 11.7      |
| 90°-150°  | 1593.8 | 36.7      |
| 90°-180°  | 2149.0 | 49.5      |
| 0°-180°   | 4337.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 880 | 880 | 880  | 880  | 880  |      |
| 5°   | 866 | 907 | 866  | 723  | 866  | 82   |
| 15°  | 822 | 897 | 822  | 703  | 822  | 231  |
| 25°  | 713 | 829 | 713  | 696  | 713  | 325  |
| 35°  | 525 | 716 | 525  | 624  | 525  | 327  |
| 45°  | 386 | 580 | 386  | 546  | 386  | 295  |
| 55°  | 297 | 413 | 297  | 440  | 297  | 257  |
| 65°  | 167 | 239 | 167  | 314  | 167  | 167  |
| 75°  | 72  | 102 | 72   | 164  | 72   | 77   |
| 85°  | 14  | 14  | 14   | 27   | 14   | 17   |
| 90°  | 2   | 16  | 2    | 32   | 2    | 2    |
| 95°  | 23  | 17  | 23   | 100  | 23   | 28   |
| 105° | 108 | 174 | 108  | 239  | 108  | 115  |
| 115° | 208 | 288 | 208  | 355  | 208  | 205  |
| 125° | 308 | 457 | 308  | 436  | 308  | 275  |
| 135° | 418 | 598 | 418  | 482  | 418  | 323  |
| 145° | 534 | 690 | 534  | 493  | 534  | 334  |
| 155° | 635 | 749 | 635  | 512  | 635  | 292  |
| 165° | 702 | 781 | 702  | 589  | 702  | 198  |
| 175° | 734 | 765 | 734  | 691  | 734  | 70   |
| 180° | 736 | 736 | 736  | 736  | 736  |      |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 |
| 2.5°   | 874.7 | 880.7 | 886.8 | 888.3 | 888.3 | 888.3 | 888.3 | 888.3 | 888.3 | 888.3 | 888.3 |
| 5°     | 866.5 | 877.1 | 887.7 | 892.6 | 895.7 | 897.9 | 899.4 | 901.3 | 904.4 | 907.4 | 904.4 |
| 7.5°   | 858.3 | 872.5 | 886.8 | 893.8 | 898.3 | 901.9 | 904.7 | 907.1 | 908.6 | 910.1 | 908.6 |
| 10°    | 852.8 | 869.5 | 886.2 | 893.8 | 898.3 | 901.3 | 902.9 | 904.4 | 905.9 | 907.4 | 905.9 |
| 12.5°  | 844.6 | 862.5 | 880.4 | 889.2 | 895.0 | 898.6 | 900.1 | 901.6 | 903.2 | 904.7 | 903.2 |
| 15°    | 822.1 | 846.4 | 870.6 | 880.1 | 884.7 | 888.5 | 891.5 | 894.1 | 895.7 | 897.2 | 895.7 |
| 17.5°  | 794.1 | 823.6 | 853.0 | 864.9 | 870.9 | 875.3 | 878.1 | 880.4 | 881.6 | 882.8 | 881.6 |
| 20°    | 777.8 | 809.6 | 841.5 | 854.0 | 860.0 | 863.8 | 865.3 | 866.5 | 866.5 | 866.5 | 866.5 |
| 22.5°  | 755.9 | 791.4 | 826.9 | 840.3 | 846.4 | 849.6 | 849.9 | 850.4 | 851.6 | 852.8 | 851.6 |
| 25°    | 713.0 | 753.9 | 794.8 | 811.9 | 821.0 | 824.8 | 823.3 | 822.9 | 825.9 | 828.9 | 825.9 |
| 27.5°  | 660.4 | 712.0 | 763.5 | 781.0 | 787.0 | 790.8 | 792.3 | 793.5 | 793.5 | 793.5 | 793.5 |
| 30°    | 627.7 | 685.3 | 742.9 | 761.9 | 767.9 | 771.7 | 773.2 | 774.4 | 774.4 | 774.4 | 774.4 |
| 32.5°  | 586.7 | 655.3 | 723.8 | 744.6 | 749.4 | 752.0 | 752.3 | 752.5 | 752.5 | 752.5 | 752.5 |
| 35°    | 525.3 | 608.7 | 692.1 | 715.2 | 718.3 | 719.8 | 719.8 | 719.4 | 717.9 | 716.4 | 717.9 |
| 37.5°  | 463.9 | 558.5 | 653.1 | 680.2 | 684.8 | 686.0 | 683.8 | 681.9 | 680.4 | 678.8 | 680.4 |
| 40°    | 423.0 | 526.1 | 629.2 | 658.4 | 662.9 | 662.9 | 658.4 | 654.6 | 653.1 | 651.6 | 653.1 |
| 42.5°  | 401.2 | 503.1 | 604.9 | 633.8 | 638.4 | 637.8 | 632.0 | 627.3 | 625.8 | 624.3 | 625.8 |
| 45°    | 385.5 | 476.4 | 567.4 | 593.6 | 598.1 | 597.4 | 591.3 | 586.0 | 583.0 | 579.9 | 583.0 |
| 47.5°  | 361.6 | 441.6 | 521.7 | 547.4 | 555.0 | 554.2 | 545.1 | 537.5 | 534.5 | 531.5 | 534.5 |
| 50°    | 334.3 | 413.1 | 492.0 | 517.4 | 525.0 | 524.2 | 515.1 | 507.5 | 504.5 | 501.5 | 504.5 |
| 52.5°  | 315.2 | 389.2 | 463.2 | 486.4 | 492.8 | 490.8 | 480.5 | 472.0 | 469.0 | 466.0 | 469.0 |
| 55°    | 296.8 | 358.9 | 421.1 | 440.1 | 444.6 | 441.6 | 431.0 | 421.9 | 417.3 | 412.8 | 417.3 |
| 57.5°  | 253.8 | 312.9 | 372.1 | 390.5 | 395.3 | 391.7 | 379.6 | 369.2 | 364.0 | 358.9 | 364.0 |
| 60°    | 232.0 | 285.0 | 338.1 | 355.9 | 362.0 | 358.9 | 346.8 | 335.8 | 328.2 | 320.7 | 328.2 |
| 62.5°  | 207.4 | 254.4 | 301.4 | 319.5 | 328.0 | 326.2 | 314.1 | 303.1 | 295.5 | 287.9 | 295.5 |
| 65°    | 167.2 | 208.1 | 249.0 | 267.2 | 277.8 | 277.1 | 264.9 | 254.0 | 246.4 | 238.8 | 246.4 |
| 67.5°  | 131.0 | 166.2 | 201.3 | 219.2 | 231.4 | 230.8 | 217.4 | 205.9 | 199.8 | 193.8 | 199.8 |
| 70°    | 109.2 | 139.5 | 169.8 | 186.5 | 198.6 | 198.6 | 186.5 | 175.9 | 169.8 | 163.7 | 169.8 |
| 72.5°  | 95.5  | 118.6 | 141.6 | 157.4 | 170.7 | 170.7 | 157.4 | 146.2 | 141.3 | 136.5 | 141.3 |
| 75°    | 71.6  | 85.3  | 98.9  | 113.7 | 128.9 | 130.4 | 118.3 | 108.4 | 105.4 | 102.3 | 105.4 |
| 77.5°  | 51.9  | 58.2  | 64.6  | 76.2  | 89.5  | 91.0  | 80.7  | 72.7  | 71.5  | 70.3  | 71.5  |
| 80°    | 40.9  | 42.5  | 44.0  | 53.4  | 65.6  | 67.1  | 58.0  | 51.2  | 51.2  | 51.2  | 51.2  |
| 82.5°  | 27.3  | 28.8  | 30.3  | 37.1  | 45.6  | 46.5  | 39.8  | 34.5  | 33.3  | 32.1  | 33.3  |
| 85°    | 13.6  | 13.6  | 13.6  | 15.9  | 19.0  | 19.0  | 15.9  | 13.6  | 13.6  | 13.6  | 13.6  |
| 87.5°  | 3.2   | 3.8   | 4.5   | 6.0   | 7.7   | 7.8   | 6.6   | 5.9   | 6.0   | 6.0   | 6.0   |
| 90°    | 2.2   | 5.2   | 8.9   | 11.9  | 14.1  | 14.9  | 14.9  | 15.6  | 16.4  | 16.4  | 16.4  |
| 92.5°  | 8.2   | 12.9  | 13.1  | 13.1  | 15.9  | 17.2  | 18.4  | 18.6  | 19.3  | 19.3  | 19.3  |
| 95°    | 23.0  | 25.3  | 37.9  | 37.2  | 25.3  | 20.1  | 17.1  | 17.1  | 17.1  | 17.1  | 17.1  |
| 97.5°  | 44.0  | 47.3  | 49.4  | 66.2  | 69.9  | 67.5  | 55.0  | 46.2  | 41.3  | 39.1  | 41.3  |
| 100°   | 62.4  | 63.9  | 68.4  | 69.1  | 87.7  | 105.6 | 96.6  | 85.5  | 81.8  | 79.5  | 81.8  |
| 102.5° | 80.9  | 81.8  | 88.6  | 91.7  | 96.1  | 106.2 | 137.1 | 133.7 | 131.1 | 130.7 | 131.1 |
| 105°   | 108.5 | 109.3 | 121.9 | 127.9 | 130.8 | 130.8 | 130.1 | 145.0 | 168.8 | 174.0 | 168.8 |
| 107.5° | 138.1 | 141.5 | 156.4 | 172.3 | 175.7 | 176.6 | 172.8 | 170.5 | 169.6 | 170.2 | 169.6 |
| 110°   | 158.3 | 163.6 | 181.4 | 201.5 | 206.7 | 208.2 | 206.7 | 204.4 | 203.0 | 203.0 | 203.0 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 178.0 | 185.6 | 205.8 | 228.8 | 237.6 | 242.1 | 238.8 | 237.2 | 235.7 | 236.9 | 235.7 |
| 115°   | 208.2 | 219.3 | 246.1 | 269.9 | 287.7 | 289.9 | 289.2 | 289.2 | 288.4 | 288.4 | 288.4 |
| 117.5° | 236.1 | 254.0 | 284.0 | 311.6 | 332.3 | 338.3 | 341.2 | 340.3 | 339.4 | 340.9 | 339.4 |
| 120°   | 255.7 | 276.6 | 310.8 | 342.0 | 362.0 | 371.0 | 373.9 | 372.5 | 373.9 | 372.5 | 373.9 |
| 122.5° | 276.6 | 302.1 | 335.7 | 368.1 | 391.8 | 401.9 | 405.5 | 405.8 | 406.1 | 405.2 | 406.1 |
| 125°   | 307.8 | 339.0 | 378.4 | 411.9 | 436.4 | 448.3 | 451.3 | 452.0 | 453.5 | 457.2 | 453.5 |
| 127.5° | 339.3 | 374.7 | 418.0 | 450.2 | 475.3 | 489.8 | 494.4 | 496.0 | 499.1 | 500.8 | 499.1 |
| 130°   | 361.3 | 401.4 | 445.3 | 475.8 | 500.3 | 515.9 | 524.1 | 526.3 | 530.1 | 529.3 | 530.1 |
| 132.5° | 384.5 | 426.4 | 470.9 | 502.6 | 525.3 | 542.1 | 549.1 | 555.5 | 556.8 | 557.9 | 556.8 |
| 135°   | 418.5 | 463.9 | 508.5 | 539.7 | 561.3 | 577.6 | 586.6 | 592.5 | 596.2 | 598.5 | 596.2 |
| 137.5° | 454.4 | 502.3 | 545.1 | 572.9 | 594.6 | 608.7 | 618.8 | 625.1 | 628.9 | 630.7 | 628.9 |
| 140°   | 478.8 | 524.9 | 566.5 | 595.5 | 614.8 | 628.9 | 637.9 | 645.3 | 649.8 | 649.8 | 649.8 |
| 142.5° | 502.0 | 547.5 | 587.9 | 616.9 | 633.8 | 646.8 | 656.3 | 661.9 | 667.0 | 667.0 | 667.0 |
| 145°   | 534.5 | 579.9 | 617.0 | 646.0 | 660.2 | 672.1 | 682.5 | 686.9 | 689.9 | 689.9 | 689.9 |
| 147.5° | 568.6 | 608.7 | 642.6 | 670.4 | 682.3 | 696.3 | 704.5 | 708.0 | 711.8 | 710.1 | 711.8 |
| 150°   | 588.8 | 626.0 | 658.7 | 684.7 | 696.6 | 710.0 | 718.1 | 721.1 | 724.8 | 722.6 | 724.8 |
| 152.5° | 608.4 | 643.8 | 673.5 | 697.8 | 707.9 | 721.3 | 730.6 | 733.6 | 736.1 | 734.5 | 736.1 |
| 155°   | 634.9 | 666.1 | 693.6 | 715.9 | 724.8 | 737.5 | 746.4 | 750.1 | 753.1 | 749.4 | 753.1 |
| 157.5° | 658.5 | 685.4 | 709.4 | 729.9 | 739.4 | 750.3 | 758.6 | 763.2 | 766.2 | 764.5 | 766.2 |
| 160°   | 672.8 | 697.3 | 718.9 | 738.2 | 747.1 | 756.8 | 765.7 | 770.9 | 773.9 | 771.7 | 773.9 |
| 162.5° | 684.7 | 706.8 | 727.2 | 744.8 | 752.5 | 761.0 | 771.7 | 776.3 | 779.3 | 776.4 | 779.3 |
| 165°   | 701.8 | 719.6 | 737.5 | 752.3 | 759.0 | 765.7 | 776.9 | 782.1 | 784.3 | 781.3 | 784.3 |
| 167.5° | 714.7 | 728.4 | 742.8 | 755.6 | 760.5 | 767.1 | 778.2 | 782.5 | 785.4 | 781.6 | 785.4 |
| 170°   | 721.9 | 733.8 | 746.4 | 756.8 | 760.5 | 766.5 | 777.6 | 781.3 | 783.6 | 779.9 | 783.6 |
| 172.5° | 727.8 | 736.7 | 747.0 | 756.2 | 758.1 | 762.9 | 773.5 | 777.2 | 778.8 | 775.7 | 778.8 |
| 175°   | 733.8 | 739.0 | 746.4 | 752.3 | 751.6 | 754.6 | 763.5 | 766.5 | 769.4 | 765.0 | 769.4 |
| 177.5° | 736.6 | 739.0 | 741.3 | 744.9 | 742.5 | 742.5 | 749.1 | 750.9 | 751.5 | 749.1 | 751.5 |
| 180°   | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 |
| 2.5°   | 888.3 | 888.3 | 888.3 | 888.3 | 888.3 | 886.8 | 880.7 | 874.7 | 874.7 | 874.7 | 870.1 |
| 5°     | 901.3 | 899.4 | 897.9 | 895.7 | 892.6 | 887.7 | 877.1 | 866.5 | 861.9 | 857.4 | 838.0 |
| 7.5°   | 907.1 | 904.7 | 901.9 | 898.3 | 893.8 | 886.8 | 872.5 | 858.3 | 838.0 | 817.6 | 774.6 |
| 10°    | 904.4 | 902.9 | 901.3 | 898.3 | 893.8 | 886.2 | 869.5 | 852.8 | 811.9 | 771.0 | 730.0 |
| 12.5°  | 901.6 | 900.1 | 898.6 | 895.0 | 889.2 | 880.4 | 862.5 | 844.6 | 786.7 | 728.8 | 691.8 |
| 15°    | 894.1 | 891.5 | 888.5 | 884.7 | 880.1 | 870.6 | 846.4 | 822.1 | 756.9 | 691.7 | 660.7 |
| 17.5°  | 880.4 | 878.1 | 875.3 | 870.9 | 864.9 | 853.0 | 823.6 | 794.1 | 725.9 | 657.7 | 637.7 |
| 20°    | 866.5 | 865.3 | 863.8 | 860.0 | 854.0 | 841.5 | 809.6 | 777.8 | 709.5 | 641.3 | 632.2 |
| 22.5°  | 850.4 | 849.9 | 849.6 | 846.4 | 840.3 | 826.9 | 791.4 | 755.9 | 688.9 | 621.9 | 622.2 |
| 25°    | 822.9 | 823.3 | 824.8 | 821.0 | 811.9 | 794.8 | 753.9 | 713.0 | 653.8 | 594.7 | 604.9 |
| 27.5°  | 793.5 | 792.3 | 790.8 | 787.0 | 781.0 | 763.5 | 712.0 | 660.4 | 613.7 | 567.0 | 584.0 |
| 30°    | 774.4 | 773.2 | 771.7 | 767.9 | 761.9 | 742.9 | 685.3 | 627.7 | 588.3 | 548.8 | 568.5 |
| 32.5°  | 752.5 | 752.3 | 752.0 | 749.4 | 744.6 | 723.8 | 655.3 | 586.7 | 558.2 | 529.7 | 550.4 |
| 35°    | 719.4 | 719.8 | 719.8 | 718.3 | 715.2 | 692.1 | 608.7 | 525.3 | 513.2 | 501.1 | 525.3 |
| 37.5°  | 681.9 | 683.8 | 686.0 | 684.8 | 680.2 | 653.1 | 558.5 | 463.9 | 467.9 | 471.8 | 501.2 |
| 40°    | 654.6 | 658.4 | 662.9 | 662.9 | 658.4 | 629.2 | 526.1 | 423.0 | 436.6 | 450.3 | 482.1 |
| 42.5°  | 627.3 | 632.0 | 637.8 | 638.4 | 633.8 | 604.9 | 503.1 | 401.2 | 416.0 | 430.9 | 463.9 |
| 45°    | 586.0 | 591.3 | 597.4 | 598.1 | 593.6 | 567.4 | 476.4 | 385.5 | 394.6 | 403.7 | 435.5 |
| 47.5°  | 537.5 | 545.1 | 554.2 | 555.0 | 547.4 | 521.7 | 441.6 | 361.6 | 368.3 | 374.9 | 407.5 |
| 50°    | 507.5 | 515.1 | 524.2 | 525.0 | 517.4 | 492.0 | 413.1 | 334.3 | 343.4 | 352.5 | 386.6 |
| 52.5°  | 472.0 | 480.5 | 490.8 | 492.8 | 486.4 | 463.2 | 389.2 | 315.2 | 320.7 | 326.1 | 363.0 |
| 55°    | 421.9 | 431.0 | 441.6 | 444.6 | 440.1 | 421.1 | 358.9 | 296.8 | 292.2 | 287.7 | 325.2 |
| 57.5°  | 369.2 | 379.6 | 391.7 | 395.3 | 390.5 | 372.1 | 312.9 | 253.8 | 249.9 | 245.9 | 286.5 |
| 60°    | 335.8 | 346.8 | 358.9 | 362.0 | 355.9 | 338.1 | 285.0 | 232.0 | 224.4 | 216.8 | 259.3 |
| 62.5°  | 303.1 | 314.1 | 326.2 | 328.0 | 319.5 | 301.4 | 254.4 | 207.4 | 202.3 | 197.1 | 238.3 |
| 65°    | 254.0 | 264.9 | 277.1 | 277.8 | 267.2 | 249.0 | 208.1 | 167.2 | 170.2 | 173.2 | 210.4 |
| 67.5°  | 205.9 | 217.4 | 230.8 | 231.4 | 219.2 | 201.3 | 166.2 | 131.0 | 141.0 | 151.0 | 184.4 |
| 70°    | 175.9 | 186.5 | 198.6 | 198.6 | 186.5 | 169.8 | 139.5 | 109.2 | 122.8 | 136.5 | 167.2 |
| 72.5°  | 146.2 | 157.4 | 170.7 | 170.7 | 157.4 | 141.6 | 118.6 | 95.5  | 109.2 | 122.8 | 148.0 |
| 75°    | 108.4 | 118.3 | 130.4 | 128.9 | 113.7 | 98.9  | 85.3  | 71.6  | 85.3  | 98.9  | 118.3 |
| 77.5°  | 72.7  | 80.7  | 91.0  | 89.5  | 76.2  | 64.6  | 58.2  | 51.9  | 63.1  | 74.3  | 87.8  |
| 80°    | 51.2  | 58.0  | 67.1  | 65.6  | 53.4  | 44.0  | 42.5  | 40.9  | 48.5  | 56.1  | 66.0  |
| 82.5°  | 34.5  | 39.8  | 46.5  | 45.6  | 37.1  | 30.3  | 28.8  | 27.3  | 33.7  | 40.0  | 46.8  |
| 85°    | 13.6  | 15.9  | 19.0  | 19.0  | 15.9  | 13.6  | 13.6  | 13.6  | 16.7  | 19.7  | 22.7  |
| 87.5°  | 5.9   | 6.6   | 7.8   | 7.7   | 6.0   | 4.5   | 3.8   | 3.2   | 5.0   | 6.8   | 8.1   |
| 90°    | 15.6  | 14.9  | 14.9  | 14.1  | 11.9  | 8.9   | 5.2   | 2.2   | 5.2   | 8.2   | 13.4  |
| 92.5°  | 18.6  | 18.4  | 17.2  | 15.9  | 13.1  | 13.1  | 12.9  | 8.2   | 14.1  | 20.1  | 28.8  |
| 95°    | 17.1  | 17.1  | 20.1  | 25.3  | 37.2  | 37.9  | 25.3  | 23.0  | 32.7  | 46.1  | 58.0  |
| 97.5°  | 46.2  | 55.0  | 67.5  | 69.9  | 66.2  | 49.4  | 47.3  | 44.0  | 59.9  | 73.2  | 92.3  |
| 100°   | 85.5  | 96.6  | 105.6 | 87.7  | 69.1  | 68.4  | 63.9  | 62.4  | 79.5  | 92.2  | 110.8 |
| 102.5° | 133.7 | 137.1 | 106.2 | 96.1  | 91.7  | 88.6  | 81.8  | 80.9  | 98.0  | 115.4 | 131.0 |
| 105°   | 145.0 | 130.1 | 130.8 | 130.8 | 127.9 | 121.9 | 109.3 | 108.5 | 127.9 | 147.9 | 167.3 |
| 107.5° | 170.5 | 172.8 | 176.6 | 175.7 | 172.3 | 156.4 | 141.5 | 138.1 | 155.5 | 179.6 | 200.9 |
| 110°   | 204.4 | 206.7 | 208.2 | 206.7 | 201.5 | 181.4 | 163.6 | 158.3 | 174.0 | 199.2 | 222.3 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 237.2 | 238.8 | 242.1 | 237.6 | 228.8 | 205.8 | 185.6 | 178.0 | 193.6 | 219.5 | 243.1 |
| 115°   | 289.2 | 289.2 | 289.9 | 287.7 | 269.9 | 246.1 | 219.3 | 208.2 | 221.5 | 245.3 | 271.4 |
| 117.5° | 340.3 | 341.2 | 338.3 | 332.3 | 311.6 | 284.0 | 254.0 | 236.1 | 246.7 | 271.8 | 298.6 |
| 120°   | 372.5 | 373.9 | 371.0 | 362.0 | 342.0 | 310.8 | 276.6 | 255.7 | 263.9 | 288.4 | 315.2 |
| 122.5° | 405.8 | 405.5 | 401.9 | 391.8 | 368.1 | 335.7 | 302.1 | 276.6 | 280.0 | 302.7 | 328.9 |
| 125°   | 452.0 | 451.3 | 448.3 | 436.4 | 411.9 | 378.4 | 339.0 | 307.8 | 303.3 | 322.6 | 349.4 |
| 127.5° | 496.0 | 494.4 | 489.8 | 475.3 | 450.2 | 418.0 | 374.7 | 339.3 | 329.3 | 341.5 | 366.1 |
| 130°   | 526.3 | 524.1 | 515.9 | 500.3 | 475.8 | 445.3 | 401.4 | 361.3 | 347.2 | 354.6 | 376.2 |
| 132.5° | 555.5 | 549.1 | 542.1 | 525.3 | 502.6 | 470.9 | 426.4 | 384.5 | 365.0 | 368.3 | 385.1 |
| 135°   | 592.5 | 586.6 | 577.6 | 561.3 | 539.7 | 508.5 | 463.9 | 418.5 | 391.8 | 388.8 | 398.5 |
| 137.5° | 625.1 | 618.8 | 608.7 | 594.6 | 572.9 | 545.1 | 502.3 | 454.4 | 420.6 | 410.7 | 414.4 |
| 140°   | 645.3 | 637.9 | 628.9 | 614.8 | 595.5 | 566.5 | 524.9 | 478.8 | 440.9 | 426.7 | 424.5 |
| 142.5° | 661.9 | 656.3 | 646.8 | 633.8 | 616.9 | 587.9 | 547.5 | 502.0 | 461.7 | 443.4 | 438.2 |
| 145°   | 686.9 | 682.5 | 672.1 | 660.2 | 646.0 | 617.0 | 579.9 | 534.5 | 494.4 | 470.6 | 459.4 |
| 147.5° | 708.0 | 704.5 | 696.3 | 682.3 | 670.4 | 642.6 | 608.7 | 568.6 | 527.4 | 497.9 | 483.5 |
| 150°   | 721.1 | 718.1 | 710.0 | 696.6 | 684.7 | 658.7 | 626.0 | 588.8 | 549.4 | 518.2 | 499.6 |
| 152.5° | 733.6 | 730.6 | 721.3 | 707.9 | 697.8 | 673.5 | 643.8 | 608.4 | 568.4 | 537.2 | 518.0 |
| 155°   | 750.1 | 746.4 | 737.5 | 724.8 | 715.9 | 693.6 | 666.1 | 634.9 | 600.7 | 568.0 | 546.4 |
| 157.5° | 763.2 | 758.6 | 750.3 | 739.4 | 729.9 | 709.4 | 685.4 | 658.5 | 628.6 | 597.4 | 575.4 |
| 160°   | 770.9 | 765.7 | 756.8 | 747.1 | 738.2 | 718.9 | 697.3 | 672.8 | 645.3 | 617.0 | 593.3 |
| 162.5° | 776.3 | 771.7 | 761.0 | 752.5 | 744.8 | 727.2 | 706.8 | 684.7 | 660.2 | 635.5 | 613.5 |
| 165°   | 782.1 | 776.9 | 765.7 | 759.0 | 752.3 | 737.5 | 719.6 | 701.8 | 681.0 | 660.9 | 643.1 |
| 167.5° | 782.5 | 778.2 | 767.1 | 760.5 | 755.6 | 742.8 | 728.4 | 714.7 | 698.5 | 682.8 | 667.9 |
| 170°   | 781.3 | 777.6 | 766.5 | 760.5 | 756.8 | 746.4 | 733.8 | 721.9 | 709.2 | 695.8 | 684.0 |
| 172.5° | 777.2 | 773.5 | 762.9 | 758.1 | 756.2 | 747.0 | 736.7 | 727.8 | 717.0 | 707.1 | 697.6 |
| 175°   | 766.5 | 763.5 | 754.6 | 751.6 | 752.3 | 746.4 | 739.0 | 733.8 | 727.1 | 721.1 | 715.9 |
| 177.5° | 750.9 | 749.1 | 742.5 | 742.5 | 744.9 | 741.3 | 739.0 | 736.6 | 733.6 | 731.8 | 730.0 |
| 180°   | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 | 880.1 |
| 2.5°   | 864.0 | 859.2 | 855.6 | 852.5 | 851.3 | 850.1 | 851.3 | 852.5 | 855.6 | 859.2 | 864.0 |
| 5°     | 813.8 | 788.0 | 760.7 | 738.4 | 730.8 | 723.2 | 730.8 | 738.4 | 760.7 | 788.0 | 813.8 |
| 7.5°   | 724.0 | 692.9 | 681.3 | 672.1 | 669.7 | 667.2 | 669.7 | 672.1 | 681.3 | 692.9 | 724.0 |
| 10°    | 689.1 | 664.1 | 655.0 | 648.1 | 648.1 | 648.1 | 648.1 | 648.1 | 655.0 | 664.1 | 689.1 |
| 12.5°  | 661.8 | 646.5 | 645.9 | 646.9 | 653.0 | 659.1 | 653.0 | 646.9 | 645.9 | 646.5 | 661.8 |
| 15°    | 640.9 | 643.2 | 667.5 | 687.6 | 695.1 | 702.7 | 695.1 | 687.6 | 667.5 | 643.2 | 640.9 |
| 17.5°  | 633.7 | 646.8 | 676.8 | 700.8 | 706.9 | 713.0 | 706.9 | 700.8 | 676.8 | 646.8 | 633.7 |
| 20°    | 642.8 | 659.5 | 682.3 | 700.8 | 706.9 | 713.0 | 706.9 | 700.8 | 682.3 | 659.5 | 642.8 |
| 22.5°  | 645.0 | 665.3 | 683.2 | 698.1 | 704.2 | 710.2 | 704.2 | 698.1 | 683.2 | 665.3 | 645.0 |
| 25°    | 638.3 | 662.5 | 677.7 | 689.8 | 692.9 | 695.9 | 692.9 | 689.8 | 677.7 | 662.5 | 638.3 |
| 27.5°  | 622.2 | 648.9 | 664.1 | 676.0 | 678.1 | 680.2 | 678.1 | 676.0 | 664.1 | 648.9 | 622.2 |
| 30°    | 608.0 | 635.3 | 650.4 | 662.9 | 667.5 | 672.0 | 667.5 | 662.9 | 650.4 | 635.3 | 608.0 |
| 32.5°  | 587.3 | 615.2 | 634.0 | 648.4 | 649.3 | 650.2 | 649.3 | 648.4 | 634.0 | 615.2 | 587.3 |
| 35°    | 561.7 | 590.5 | 611.8 | 627.3 | 625.8 | 624.3 | 625.8 | 627.3 | 611.8 | 590.5 | 561.7 |
| 37.5°  | 539.1 | 567.3 | 585.8 | 600.2 | 602.0 | 603.8 | 602.0 | 600.2 | 585.8 | 567.3 | 539.1 |
| 40°    | 520.0 | 548.8 | 568.5 | 584.1 | 587.1 | 590.2 | 587.1 | 584.1 | 568.5 | 548.8 | 520.0 |
| 42.5°  | 503.1 | 532.5 | 552.2 | 567.7 | 570.7 | 573.8 | 570.7 | 567.7 | 552.2 | 532.5 | 503.1 |
| 45°    | 474.9 | 505.2 | 526.5 | 542.8 | 544.3 | 545.8 | 544.3 | 542.8 | 526.5 | 505.2 | 474.9 |
| 47.5°  | 448.8 | 479.2 | 499.0 | 514.1 | 515.6 | 517.2 | 515.6 | 514.1 | 499.0 | 479.2 | 448.8 |
| 50°    | 429.1 | 460.1 | 479.9 | 495.0 | 496.5 | 498.0 | 496.5 | 495.0 | 479.9 | 460.1 | 429.1 |
| 52.5°  | 410.3 | 442.6 | 459.8 | 473.2 | 474.7 | 476.2 | 474.7 | 473.2 | 459.8 | 442.6 | 410.3 |
| 55°    | 376.8 | 410.9 | 427.5 | 440.1 | 440.1 | 440.1 | 440.1 | 427.5 | 410.9 | 376.8 |       |
| 57.5°  | 342.0 | 377.1 | 391.6 | 403.0 | 404.8 | 406.6 | 404.8 | 403.0 | 391.6 | 377.1 | 342.0 |
| 60°    | 318.4 | 354.0 | 366.1 | 376.0 | 379.0 | 382.1 | 379.0 | 376.0 | 366.1 | 354.0 | 318.4 |
| 62.5°  | 295.0 | 329.5 | 341.6 | 351.1 | 353.0 | 354.8 | 353.0 | 351.1 | 341.6 | 329.5 | 295.0 |
| 65°    | 258.9 | 289.2 | 301.3 | 310.8 | 312.3 | 313.8 | 312.3 | 310.8 | 301.3 | 289.2 | 258.9 |
| 67.5°  | 225.7 | 250.5 | 259.0 | 265.7 | 266.9 | 268.1 | 266.9 | 265.7 | 259.0 | 250.5 | 225.7 |
| 70°    | 203.5 | 224.8 | 230.8 | 235.4 | 235.4 | 235.4 | 235.4 | 230.8 | 224.8 | 203.5 |       |
| 72.5°  | 177.2 | 194.7 | 200.8 | 205.7 | 206.9 | 208.1 | 206.9 | 205.7 | 200.8 | 194.7 | 177.2 |
| 75°    | 139.5 | 152.4 | 156.9 | 160.7 | 162.2 | 163.7 | 162.2 | 160.7 | 156.9 | 152.4 | 139.5 |
| 77.5°  | 102.0 | 110.5 | 113.3 | 115.7 | 117.2 | 118.7 | 117.2 | 115.7 | 113.3 | 110.5 | 102.0 |
| 80°    | 76.6  | 82.6  | 84.1  | 85.7  | 87.2  | 88.7  | 87.2  | 85.7  | 84.1  | 82.6  | 76.6  |
| 82.5°  | 53.8  | 58.1  | 59.6  | 60.8  | 61.1  | 61.4  | 61.1  | 60.8  | 59.6  | 58.1  | 53.8  |
| 85°    | 25.8  | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  | 25.8  |
| 87.5°  | 8.9   | 9.9   | 11.0  | 11.6  | 12.1  | 11.9  | 12.1  | 11.6  | 11.0  | 9.9   | 8.9   |
| 90°    | 17.1  | 22.3  | 27.5  | 30.5  | 33.5  | 32.0  | 33.5  | 30.5  | 22.3  | 17.1  |       |
| 92.5°  | 34.3  | 43.1  | 49.5  | 54.9  | 57.2  | 56.9  | 57.2  | 49.5  | 43.1  | 34.3  |       |
| 95°    | 69.1  | 79.5  | 90.0  | 97.4  | 101.8 | 100.4 | 101.8 | 97.4  | 79.5  | 69.1  |       |
| 97.5°  | 106.6 | 120.6 | 132.2 | 139.2 | 143.6 | 146.6 | 143.6 | 139.2 | 132.2 | 120.6 | 106.6 |
| 100°   | 131.6 | 145.0 | 158.3 | 166.5 | 174.0 | 176.9 | 174.0 | 166.5 | 158.3 | 145.0 | 131.6 |
| 102.5° | 151.8 | 169.4 | 183.9 | 192.7 | 198.9 | 201.9 | 198.9 | 192.7 | 183.9 | 169.4 | 151.8 |
| 105°   | 185.1 | 203.7 | 219.3 | 230.5 | 237.2 | 239.4 | 237.2 | 230.5 | 219.3 | 203.7 | 185.1 |
| 107.5° | 218.4 | 237.6 | 252.0 | 264.4 | 272.5 | 277.3 | 272.5 | 264.4 | 252.0 | 237.6 | 218.4 |
| 110°   | 244.6 | 260.2 | 275.8 | 287.0 | 295.1 | 298.1 | 295.1 | 287.0 | 275.8 | 260.2 | 244.6 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 266.6 | 284.0 | 299.6 | 310.8 | 320.1 | 324.3 | 320.1 | 310.8 | 299.6 | 284.0 | 266.6 |
| 115°   | 297.4 | 320.4 | 334.5 | 344.9 | 351.6 | 355.4 | 351.6 | 344.9 | 334.5 | 320.4 | 297.4 |
| 117.5° | 322.9 | 347.0 | 362.5 | 370.5 | 373.6 | 376.3 | 373.6 | 370.5 | 362.5 | 347.0 | 322.9 |
| 120°   | 339.0 | 361.3 | 379.1 | 389.6 | 393.3 | 394.8 | 393.3 | 389.6 | 379.1 | 361.3 | 339.0 |
| 122.5° | 353.9 | 375.0 | 392.2 | 405.0 | 411.1 | 412.6 | 411.1 | 405.0 | 392.2 | 375.0 | 353.9 |
| 125°   | 374.7 | 394.8 | 412.6 | 425.2 | 431.9 | 435.6 | 431.9 | 425.2 | 412.6 | 394.8 | 374.7 |
| 127.5° | 392.8 | 414.5 | 430.9 | 442.3 | 448.9 | 451.9 | 448.9 | 442.3 | 430.9 | 414.5 | 392.8 |
| 130°   | 402.9 | 425.2 | 441.6 | 454.2 | 460.2 | 463.2 | 460.2 | 454.2 | 441.6 | 425.2 | 402.9 |
| 132.5° | 410.7 | 434.2 | 451.1 | 462.6 | 469.1 | 472.1 | 469.1 | 462.6 | 451.1 | 434.2 | 410.7 |
| 135°   | 420.0 | 444.6 | 462.4 | 473.6 | 479.5 | 482.5 | 479.5 | 473.6 | 462.4 | 444.6 | 420.0 |
| 137.5° | 428.2 | 450.5 | 469.1 | 480.8 | 486.2 | 488.1 | 486.2 | 480.8 | 469.1 | 450.5 | 428.2 |
| 140°   | 434.2 | 453.5 | 472.1 | 483.2 | 489.2 | 489.9 | 489.2 | 483.2 | 472.1 | 453.5 | 434.2 |
| 142.5° | 441.9 | 457.1 | 473.3 | 484.4 | 490.4 | 491.7 | 490.4 | 484.4 | 473.3 | 457.1 | 441.9 |
| 145°   | 455.7 | 464.6 | 475.8 | 486.2 | 491.4 | 492.9 | 491.4 | 486.2 | 475.8 | 464.6 | 455.7 |
| 147.5° | 473.1 | 475.9 | 481.7 | 488.6 | 493.6 | 494.7 | 493.6 | 488.6 | 481.7 | 475.9 | 473.1 |
| 150°   | 486.2 | 485.5 | 487.7 | 492.1 | 496.6 | 495.9 | 496.6 | 492.1 | 487.7 | 485.5 | 486.2 |
| 152.5° | 501.1 | 496.8 | 496.6 | 498.7 | 500.8 | 500.6 | 500.8 | 498.7 | 496.6 | 496.8 | 501.1 |
| 155°   | 526.3 | 518.2 | 513.7 | 512.2 | 512.2 | 511.5 | 512.2 | 512.2 | 513.7 | 518.2 | 526.3 |
| 157.5° | 554.1 | 542.7 | 536.0 | 532.4 | 531.4 | 529.8 | 531.4 | 532.4 | 536.0 | 542.7 | 554.1 |
| 160°   | 573.2 | 560.5 | 553.9 | 547.9 | 545.7 | 543.4 | 545.7 | 547.9 | 553.9 | 560.5 | 573.2 |
| 162.5° | 591.0 | 579.0 | 571.7 | 566.3 | 564.1 | 560.7 | 564.1 | 566.3 | 571.7 | 579.0 | 591.0 |
| 165°   | 620.0 | 607.4 | 599.2 | 594.7 | 591.8 | 588.8 | 591.8 | 594.7 | 599.2 | 607.4 | 620.0 |
| 167.5° | 649.0 | 635.2 | 629.8 | 624.8 | 621.9 | 616.6 | 621.9 | 624.8 | 629.8 | 635.2 | 649.0 |
| 170°   | 666.9 | 654.2 | 651.2 | 646.8 | 641.6 | 635.6 | 641.6 | 646.8 | 651.2 | 654.2 | 666.9 |
| 172.5° | 682.3 | 673.8 | 670.9 | 666.4 | 664.8 | 660.0 | 664.8 | 666.4 | 670.9 | 673.8 | 682.3 |
| 175°   | 704.8 | 698.1 | 698.1 | 697.3 | 695.1 | 690.6 | 695.1 | 697.3 | 698.1 | 698.1 | 704.8 |
| 177.5° | 723.5 | 719.9 | 722.3 | 722.3 | 721.7 | 717.6 | 721.7 | 722.3 | 722.3 | 719.9 | 723.5 |
| 180°   | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 | 736.0 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 880.1 | 880.1 | 880.1 | 880.1 |
| 2.5°   | 870.1 | 874.7 | 874.7 | 874.7 |
| 5°     | 838.0 | 857.4 | 861.9 | 866.5 |
| 7.5°   | 774.6 | 817.6 | 838.0 | 858.3 |
| 10°    | 730.0 | 771.0 | 811.9 | 852.8 |
| 12.5°  | 691.8 | 728.8 | 786.7 | 844.6 |
| 15°    | 660.7 | 691.7 | 756.9 | 822.1 |
| 17.5°  | 637.7 | 657.7 | 725.9 | 794.1 |
| 20°    | 632.2 | 641.3 | 709.5 | 777.8 |
| 22.5°  | 622.2 | 621.9 | 688.9 | 755.9 |
| 25°    | 604.9 | 594.7 | 653.8 | 713.0 |
| 27.5°  | 584.0 | 567.0 | 613.7 | 660.4 |
| 30°    | 568.5 | 548.8 | 588.3 | 627.7 |
| 32.5°  | 550.4 | 529.7 | 558.2 | 586.7 |
| 35°    | 525.3 | 501.1 | 513.2 | 525.3 |
| 37.5°  | 501.2 | 471.8 | 467.9 | 463.9 |
| 40°    | 482.1 | 450.3 | 436.6 | 423.0 |
| 42.5°  | 463.9 | 430.9 | 416.0 | 401.2 |
| 45°    | 435.5 | 403.7 | 394.6 | 385.5 |
| 47.5°  | 407.5 | 374.9 | 368.3 | 361.6 |
| 50°    | 386.6 | 352.5 | 343.4 | 334.3 |
| 52.5°  | 363.0 | 326.1 | 320.7 | 315.2 |
| 55°    | 325.2 | 287.7 | 292.2 | 296.8 |
| 57.5°  | 286.5 | 245.9 | 249.9 | 253.8 |
| 60°    | 259.3 | 216.8 | 224.4 | 232.0 |
| 62.5°  | 238.3 | 197.1 | 202.3 | 207.4 |
| 65°    | 210.4 | 173.2 | 170.2 | 167.2 |
| 67.5°  | 184.4 | 151.0 | 141.0 | 131.0 |
| 70°    | 167.2 | 136.5 | 122.8 | 109.2 |
| 72.5°  | 148.0 | 122.8 | 109.2 | 95.5  |
| 75°    | 118.3 | 98.9  | 85.3  | 71.6  |
| 77.5°  | 87.8  | 74.3  | 63.1  | 51.9  |
| 80°    | 66.0  | 56.1  | 48.5  | 40.9  |
| 82.5°  | 46.8  | 40.0  | 33.7  | 27.3  |
| 85°    | 22.7  | 19.7  | 16.7  | 13.6  |
| 87.5°  | 8.1   | 6.8   | 5.0   | 3.2   |
| 90°    | 13.4  | 8.2   | 5.2   | 2.2   |
| 92.5°  | 28.8  | 20.1  | 14.1  | 8.2   |
| 95°    | 58.0  | 46.1  | 32.7  | 23.0  |
| 97.5°  | 92.3  | 73.2  | 59.9  | 44.0  |
| 100°   | 110.8 | 92.2  | 79.5  | 62.4  |
| 102.5° | 131.0 | 115.4 | 98.0  | 80.9  |
| 105°   | 167.3 | 147.9 | 127.9 | 108.5 |
| 107.5° | 200.9 | 179.6 | 155.5 | 138.1 |
| 110°   | 222.3 | 199.2 | 174.0 | 158.3 |



TEST NUMBER: P1435763

CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 243.1 | 219.5 | 193.6 | 178.0 |
| 115°   | 271.4 | 245.3 | 221.5 | 208.2 |
| 117.5° | 298.6 | 271.8 | 246.7 | 236.1 |
| 120°   | 315.2 | 288.4 | 263.9 | 255.7 |
| 122.5° | 328.9 | 302.7 | 280.0 | 276.6 |
| 125°   | 349.4 | 322.6 | 303.3 | 307.8 |
| 127.5° | 366.1 | 341.5 | 329.3 | 339.3 |
| 130°   | 376.2 | 354.6 | 347.2 | 361.3 |
| 132.5° | 385.1 | 368.3 | 365.0 | 384.5 |
| 135°   | 398.5 | 388.8 | 391.8 | 418.5 |
| 137.5° | 414.4 | 410.7 | 420.6 | 454.4 |
| 140°   | 424.5 | 426.7 | 440.9 | 478.8 |
| 142.5° | 438.2 | 443.4 | 461.7 | 502.0 |
| 145°   | 459.4 | 470.6 | 494.4 | 534.5 |
| 147.5° | 483.5 | 497.9 | 527.4 | 568.6 |
| 150°   | 499.6 | 518.2 | 549.4 | 588.8 |
| 152.5° | 518.0 | 537.2 | 568.4 | 608.4 |
| 155°   | 546.4 | 568.0 | 600.7 | 634.9 |
| 157.5° | 575.4 | 597.4 | 628.6 | 658.5 |
| 160°   | 593.3 | 617.0 | 645.3 | 672.8 |
| 162.5° | 613.5 | 635.5 | 660.2 | 684.7 |
| 165°   | 643.1 | 660.9 | 681.0 | 701.8 |
| 167.5° | 667.9 | 682.8 | 698.5 | 714.7 |
| 170°   | 684.0 | 695.8 | 709.2 | 721.9 |
| 172.5° | 697.6 | 707.1 | 717.0 | 727.8 |
| 175°   | 715.9 | 721.1 | 727.1 | 733.8 |
| 177.5° | 730.0 | 731.8 | 733.6 | 736.6 |
| 180°   | 736.0 | 736.0 | 736.0 | 736.0 |



TEST NUMBER: P1435763  
 CATALOG NUMBER: SQ2W-FA-K-050U-050D-L830-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 | 15.64            | 16.50 | 16.59 | 17.47 | 18.74 | 16.84          | 17.70 | 17.79 | 18.67 | 19.94 |
|                 | 3H   | 16.73            | 17.50 | 17.69 | 18.48 | 19.77 | 18.08          | 18.86 | 19.05 | 19.84 | 21.12 |
|                 | 4H   | 17.08            | 17.81 | 18.06 | 18.80 | 20.09 | 18.47          | 19.21 | 19.45 | 20.19 | 21.48 |
|                 | 6H   | 17.24            | 17.92 | 18.23 | 18.91 | 20.21 | 18.63          | 19.31 | 19.62 | 20.30 | 21.60 |
|                 | 8H   | 17.28            | 17.92 | 18.27 | 18.92 | 20.23 | 18.66          | 19.30 | 19.65 | 20.30 | 21.61 |
|                 | 12H  | 17.27            | 17.89 | 18.28 | 18.88 | 20.21 | 18.64          | 19.25 | 19.64 | 20.25 | 21.58 |
| 4H              | 2H   | 16.51            | 17.24 | 17.49 | 18.22 | 19.52 | 17.42          | 18.16 | 18.41 | 19.14 | 20.43 |
|                 | 3H   | 17.90            | 18.51 | 18.89 | 19.52 | 20.83 | 18.89          | 19.50 | 19.88 | 20.51 | 21.82 |
|                 | 4H   | 18.35            | 18.91 | 19.36 | 19.91 | 21.25 | 19.36          | 19.92 | 20.37 | 20.92 | 22.26 |
|                 | 6H   | 18.58            | 19.06 | 19.60 | 20.09 | 21.42 | 19.59          | 20.07 | 20.60 | 21.09 | 22.42 |
|                 | 8H   | 18.64            | 19.09 | 19.66 | 20.11 | 21.45 | 19.63          | 20.08 | 20.65 | 21.10 | 22.45 |
|                 | 12H  | 18.64            | 19.05 | 19.68 | 20.08 | 21.43 | 19.62          | 20.03 | 20.66 | 21.06 | 22.41 |
| 8H              | 4H   | 18.74            | 19.18 | 19.75 | 20.20 | 21.55 | 19.56          | 20.01 | 20.57 | 21.03 | 22.37 |
|                 | 6H   | 19.09            | 19.46 | 20.13 | 20.52 | 21.86 | 19.87          | 20.24 | 20.91 | 21.31 | 22.65 |
|                 | 8H   | 19.20            | 19.53 | 20.25 | 20.58 | 21.94 | 19.97          | 20.29 | 21.02 | 21.34 | 22.71 |
|                 | 12H  | 19.24            | 19.53 | 20.29 | 20.57 | 21.98 | 19.98          | 20.27 | 21.04 | 21.31 | 22.72 |
| 12H             | 4H   | 18.74            | 19.14 | 19.77 | 20.18 | 21.53 | 19.53          | 19.93 | 20.56 | 20.97 | 22.32 |
|                 | 6H   | 19.16            | 19.48 | 20.21 | 20.53 | 21.89 | 19.89          | 20.22 | 20.94 | 21.27 | 22.63 |
|                 | 8H   | 19.30            | 19.59 | 20.35 | 20.63 | 22.04 | 20.01          | 20.29 | 21.06 | 21.33 | 22.74 |