

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: P1428111

Luminaire Tested: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428111  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

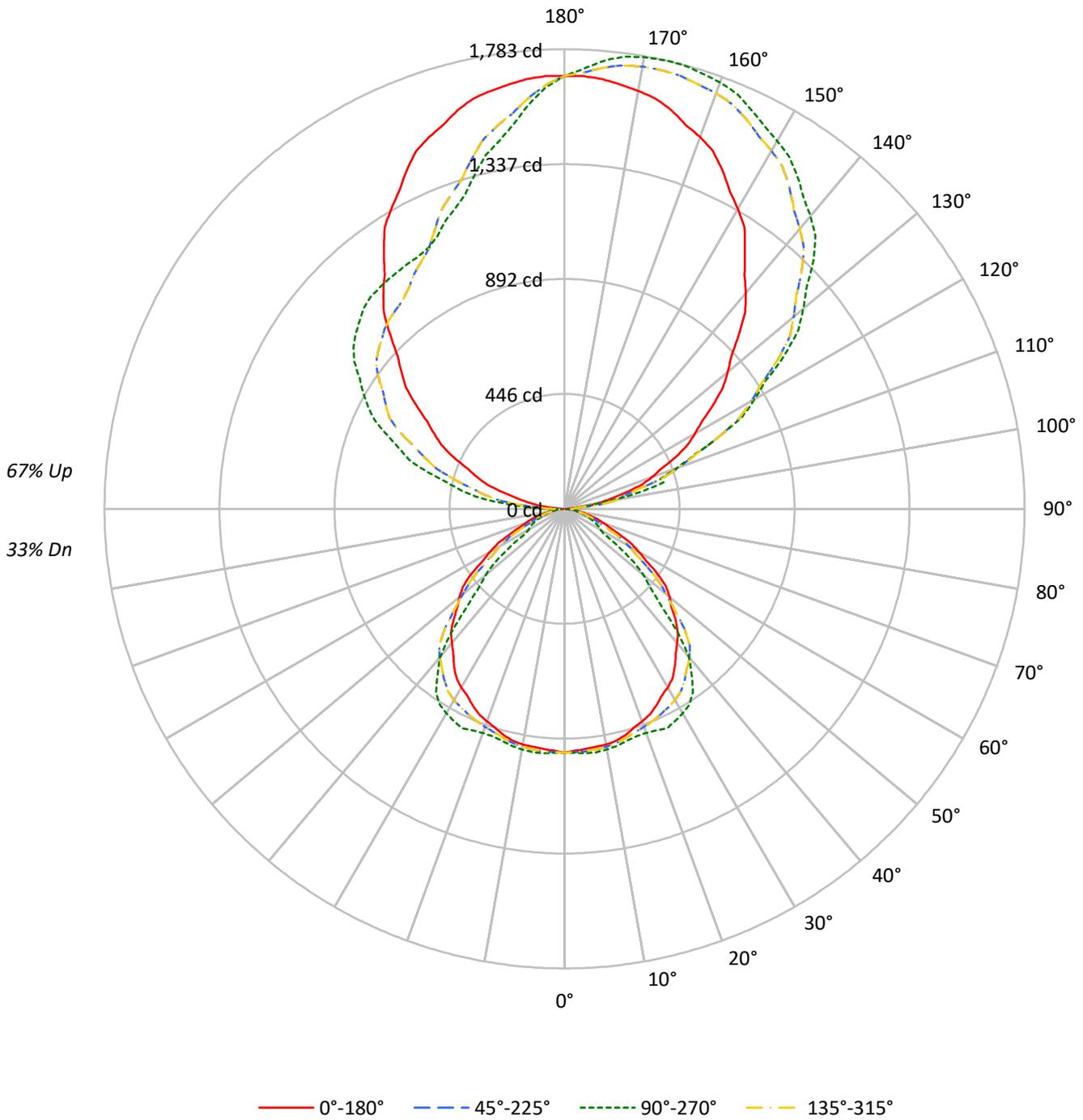
Lumens per Lamp: N/A  
Luminaire Lumens: 7291.4 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 61.8  
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: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428111

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 |
| 1   | 94  | 90  | 87  | 83  | 85 | 81 | 78 | 76 | 65 | 63 | 61 | 50 | 49 | 47 | 36 | 35 | 35 | 28 |
| 2   | 86  | 79  | 73  | 68  | 77 | 72 | 67 | 63 | 57 | 54 | 51 | 44 | 42 | 40 | 32 | 31 | 30 | 24 |
| 3   | 79  | 70  | 63  | 57  | 71 | 63 | 57 | 52 | 51 | 47 | 43 | 39 | 37 | 34 | 29 | 27 | 26 | 21 |
| 4   | 72  | 62  | 54  | 49  | 65 | 56 | 50 | 45 | 45 | 41 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5   | 66  | 55  | 47  | 42  | 59 | 50 | 43 | 38 | 40 | 36 | 32 | 32 | 28 | 26 | 23 | 21 | 19 | 16 |
| 6   | 61  | 49  | 42  | 36  | 55 | 45 | 38 | 33 | 36 | 31 | 28 | 29 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7   | 56  | 44  | 37  | 31  | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 12 |
| 8   | 52  | 40  | 33  | 28  | 47 | 37 | 30 | 26 | 30 | 25 | 22 | 24 | 20 | 18 | 18 | 15 | 14 | 11 |
| 9   | 48  | 37  | 29  | 25  | 44 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10  | 45  | 33  | 27  | 22  | 41 | 31 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 15274 | 15274 | 15274 | 15274 |
| 5°  | 15154 | 15429 | 15154 | 15429 |
| 10° | 15231 | 15542 | 15231 | 15542 |
| 15° | 15194 | 15578 | 15194 | 15578 |
| 20° | 15086 | 15893 | 15086 | 15893 |
| 25° | 15000 | 16728 | 15000 | 16728 |
| 30° | 14915 | 17077 | 14915 | 17077 |
| 35° | 14704 | 17108 | 14704 | 17108 |
| 40° | 14311 | 15807 | 14311 | 15807 |
| 45° | 13883 | 12033 | 13883 | 12033 |
| 50° | 13338 | 10022 | 13338 | 10022 |
| 55° | 12414 | 7206  | 12414 | 7206  |
| 60° | 10688 | 5167  | 10688 | 5167  |
| 65° | 9016  | 5081  | 9016  | 5081  |
| 70° | 7506  | 4862  | 7506  | 4862  |
| 75° | 6363  | 4554  | 6363  | 4554  |
| 80° | 5393  | 4091  | 5393  | 4091  |
| 85° | 4261  | 2223  | 4261  | 2223  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 15186 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.1   | 1.2       |
| 10°-20°   | 260.7  | 3.6       |
| 20°-30°   | 408.4  | 5.6       |
| 30°-40°   | 503.8  | 6.9       |
| 40°-50°   | 474.3  | 6.5       |
| 50°-60°   | 335.9  | 4.6       |
| 60°-70°   | 191.4  | 2.6       |
| 70°-80°   | 94.7   | 1.3       |
| 80°-90°   | 30.1   | 0.4       |
| 90°-100°  | 133.6  | 1.8       |
| 100°-110° | 389.6  | 5.3       |
| 110°-120° | 635.9  | 8.7       |
| 120°-130° | 806.9  | 11.1      |
| 130°-140° | 863.4  | 11.8      |
| 140°-150° | 806.2  | 11.1      |
| 150°-160° | 663.4  | 9.1       |
| 160°-170° | 444.9  | 6.1       |
| 170°-180° | 158.0  | 2.2       |
| 0°-30°    | 759.2  | 10.4      |
| 0°-40°    | 1263.0 | 17.3      |
| 0°-60°    | 2073.2 | 28.4      |
| 0°-90°    | 2389.4 | 32.8      |
| 90°-120°  | 1159.2 | 15.9      |
| 90°-150°  | 3635.7 | 49.9      |
| 90°-180°  | 4902.0 | 67.2      |
| 0°-180°   | 7291.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 946  | 946  | 946  | 946  | 946  |      |
| 5°   | 935  | 952  | 935  | 952  | 935  | 89   |
| 15°  | 909  | 932  | 909  | 932  | 909  | 256  |
| 25°  | 842  | 939  | 842  | 939  | 842  | 388  |
| 35°  | 746  | 868  | 746  | 868  | 746  | 465  |
| 45°  | 608  | 527  | 608  | 527  | 608  | 468  |
| 55°  | 441  | 256  | 441  | 256  | 441  | 389  |
| 65°  | 236  | 133  | 236  | 133  | 236  | 237  |
| 75°  | 102  | 73   | 102  | 73   | 102  | 111  |
| 85°  | 23   | 12   | 23   | 12   | 23   | 27   |
| 90°  | 5    | 37   | 5    | 73   | 5    | 5    |
| 95°  | 53   | 39   | 53   | 229  | 53   | 63   |
| 105° | 248  | 397  | 248  | 546  | 248  | 263  |
| 115° | 475  | 658  | 475  | 811  | 475  | 468  |
| 125° | 702  | 1043 | 702  | 994  | 702  | 628  |
| 135° | 955  | 1365 | 955  | 1101 | 955  | 738  |
| 145° | 1219 | 1574 | 1219 | 1124 | 1219 | 763  |
| 155° | 1448 | 1709 | 1448 | 1167 | 1448 | 666  |
| 165° | 1601 | 1782 | 1601 | 1343 | 1601 | 451  |
| 175° | 1674 | 1745 | 1674 | 1575 | 1674 | 159  |
| 180° | 1679 | 1679 | 1679 | 1679 | 1679 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 |
| 2.5°   | 938.8 | 944.9 | 950.9 | 949.5 | 945.6 | 944.0 | 944.7 | 945.4 | 946.1 | 946.8 | 946.1 |
| 5°     | 935.0 | 942.6 | 950.1 | 949.0 | 945.0 | 943.5 | 944.3 | 945.8 | 948.9 | 952.0 | 948.9 |
| 7.5°   | 931.4 | 939.1 | 946.9 | 945.9 | 942.0 | 940.8 | 942.3 | 944.4 | 948.2 | 952.0 | 948.2 |
| 10°    | 929.0 | 935.7 | 942.3 | 941.3 | 937.8 | 937.1 | 939.3 | 941.8 | 944.9 | 948.0 | 944.9 |
| 12.5°  | 921.8 | 928.1 | 934.4 | 933.6 | 930.4 | 930.3 | 933.2 | 936.1 | 938.9 | 941.6 | 938.9 |
| 15°    | 909.0 | 914.8 | 920.6 | 920.7 | 918.9 | 920.0 | 924.0 | 927.6 | 929.8 | 932.0 | 929.8 |
| 17.5°  | 891.6 | 898.6 | 905.7 | 907.3 | 907.1 | 909.9 | 915.5 | 920.4 | 922.7 | 925.0 | 922.7 |
| 20°    | 878.0 | 886.5 | 894.9 | 897.7 | 898.6 | 902.6 | 909.7 | 916.1 | 920.6 | 925.0 | 920.6 |
| 22.5°  | 863.6 | 873.5 | 883.3 | 887.0 | 888.6 | 894.7 | 905.4 | 915.3 | 923.0 | 930.6 | 923.0 |
| 25°    | 842.0 | 851.8 | 861.6 | 868.7 | 874.9 | 885.8 | 901.3 | 915.9 | 927.5 | 939.0 | 927.5 |
| 27.5°  | 816.8 | 826.5 | 836.2 | 848.4 | 861.5 | 876.8 | 894.3 | 909.7 | 918.9 | 928.0 | 918.9 |
| 30°    | 800.0 | 809.3 | 818.7 | 832.7 | 848.2 | 865.1 | 883.3 | 899.1 | 907.6 | 916.0 | 907.6 |
| 32.5°  | 779.2 | 788.9 | 798.6 | 813.5 | 830.1 | 848.2 | 867.9 | 884.5 | 892.3 | 900.0 | 892.3 |
| 35°    | 746.0 | 755.3 | 764.7 | 782.0 | 802.0 | 822.2 | 842.7 | 859.1 | 863.6 | 868.0 | 863.6 |
| 37.5°  | 707.8 | 718.4 | 729.0 | 748.4 | 770.8 | 787.7 | 799.2 | 807.9 | 808.1 | 808.4 | 808.1 |
| 40°    | 679.0 | 692.8 | 706.6 | 726.0 | 747.3 | 759.1 | 761.3 | 761.6 | 755.8 | 750.0 | 755.8 |
| 42.5°  | 651.0 | 668.7 | 686.4 | 702.0 | 716.9 | 720.0 | 711.2 | 698.2 | 672.5 | 646.8 | 672.5 |
| 45°    | 608.0 | 628.9 | 649.8 | 659.3 | 665.1 | 645.6 | 600.7 | 562.6 | 544.8 | 527.0 | 544.8 |
| 47.5°  | 562.2 | 582.8 | 603.4 | 600.8 | 590.4 | 560.8 | 512.0 | 472.3 | 460.1 | 447.8 | 460.1 |
| 50°    | 531.0 | 550.6 | 570.1 | 556.0 | 530.7 | 497.3 | 456.0 | 422.1 | 410.6 | 399.0 | 410.6 |
| 52.5°  | 495.8 | 513.2 | 530.6 | 509.3 | 475.1 | 440.0 | 404.0 | 372.6 | 355.0 | 337.4 | 355.0 |
| 55°    | 441.0 | 453.0 | 465.0 | 441.7 | 406.6 | 367.9 | 325.7 | 289.8 | 272.9 | 256.0 | 272.9 |
| 57.5°  | 375.0 | 383.4 | 391.9 | 373.5 | 346.2 | 307.8 | 258.2 | 216.3 | 197.3 | 178.4 | 197.3 |
| 60°    | 331.0 | 337.7 | 344.3 | 327.7 | 303.2 | 266.6 | 217.7 | 178.7 | 169.3 | 160.0 | 169.3 |
| 62.5°  | 291.0 | 297.0 | 302.9 | 285.5 | 260.4 | 227.6 | 187.3 | 156.2 | 152.9 | 149.6 | 152.9 |
| 65°    | 236.0 | 241.8 | 247.6 | 229.3 | 203.1 | 177.6 | 152.7 | 133.9 | 133.4 | 133.0 | 133.4 |
| 67.5°  | 187.8 | 194.1 | 200.4 | 183.3 | 158.3 | 139.4 | 126.6 | 116.9 | 116.3 | 115.8 | 116.3 |
| 70°    | 159.0 | 165.7 | 172.3 | 156.3 | 132.8 | 117.4 | 110.3 | 104.8 | 103.9 | 103.0 | 103.9 |
| 72.5°  | 135.0 | 141.3 | 147.6 | 133.7 | 113.0 | 100.3 | 95.7  | 92.1  | 91.5  | 91.0  | 91.5  |
| 75°    | 102.0 | 106.9 | 111.8 | 101.7 | 86.6  | 77.9  | 75.7  | 73.9  | 73.4  | 73.0  | 73.4  |
| 77.5°  | 74.0  | 77.1  | 80.2  | 73.6  | 63.7  | 58.2  | 57.1  | 56.1  | 55.6  | 55.2  | 55.6  |
| 80°    | 58.0  | 59.3  | 60.7  | 56.0  | 49.3  | 45.8  | 45.3  | 44.9  | 44.4  | 44.0  | 44.4  |
| 82.5°  | 43.6  | 43.2  | 42.7  | 40.0  | 36.5  | 34.6  | 34.1  | 33.6  | 32.8  | 32.0  | 32.8  |
| 85°    | 23.0  | 22.1  | 21.2  | 20.3  | 19.4  | 18.1  | 16.3  | 14.7  | 13.3  | 12.0  | 13.3  |
| 87.5°  | 8.2   | 9.6   | 11.3  | 11.3  | 10.5  | 9.8   | 9.4   | 9.5   | 9.9   | 9.9   | 9.9   |
| 90°    | 5.1   | 11.9  | 20.3  | 27.1  | 32.2  | 33.9  | 33.9  | 35.6  | 37.3  | 37.3  | 37.3  |
| 92.5°  | 18.7  | 29.5  | 29.8  | 29.8  | 36.3  | 39.3  | 42.1  | 42.4  | 44.1  | 44.1  | 44.1  |
| 95°    | 52.6  | 57.7  | 86.5  | 84.8  | 57.7  | 45.8  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  |
| 97.5°  | 100.4 | 107.9 | 112.6 | 150.9 | 159.4 | 154.0 | 125.5 | 105.5 | 94.3  | 89.2  | 94.3  |
| 100°   | 142.4 | 145.8 | 156.0 | 157.7 | 200.1 | 240.8 | 220.5 | 195.0 | 186.5 | 181.5 | 186.5 |
| 102.5° | 184.5 | 186.5 | 202.1 | 209.3 | 219.1 | 242.2 | 312.7 | 304.9 | 299.1 | 298.1 | 299.1 |
| 105°   | 247.6 | 249.3 | 278.1 | 291.7 | 298.5 | 298.5 | 296.8 | 330.7 | 385.0 | 396.8 | 385.0 |
| 107.5° | 315.1 | 322.9 | 356.8 | 393.1 | 400.9 | 402.9 | 394.1 | 389.0 | 387.0 | 388.3 | 387.0 |
| 110°   | 361.2 | 373.1 | 413.8 | 459.6 | 471.4 | 474.8 | 471.4 | 466.3 | 463.0 | 463.0 | 463.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 406.0  | 423.3  | 469.4  | 522.0  | 542.0  | 552.2  | 544.7  | 541.0  | 537.6  | 540.3  | 537.6  |
| 115°   | 474.8  | 500.3  | 561.3  | 615.6  | 656.3  | 661.4  | 659.7  | 659.7  | 658.0  | 658.0  | 658.0  |
| 117.5° | 538.6  | 579.3  | 647.8  | 710.9  | 758.0  | 771.6  | 778.4  | 776.3  | 774.3  | 777.7  | 774.3  |
| 120°   | 583.4  | 630.8  | 708.9  | 780.1  | 825.9  | 846.2  | 853.0  | 849.6  | 853.0  | 849.6  | 853.0  |
| 122.5° | 630.8  | 689.2  | 765.8  | 839.8  | 893.7  | 916.8  | 924.9  | 925.6  | 926.3  | 924.2  | 926.3  |
| 125°   | 702.1  | 773.3  | 863.2  | 939.5  | 995.4  | 1022.6 | 1029.4 | 1031.1 | 1034.4 | 1042.9 | 1034.4 |
| 127.5° | 774.0  | 854.7  | 953.4  | 1027.0 | 1084.3 | 1117.2 | 1127.7 | 1131.4 | 1138.6 | 1142.3 | 1138.6 |
| 130°   | 824.2  | 915.7  | 1015.8 | 1085.3 | 1141.3 | 1176.9 | 1195.6 | 1200.6 | 1209.1 | 1207.4 | 1209.1 |
| 132.5° | 877.1  | 972.7  | 1074.1 | 1146.4 | 1198.3 | 1236.6 | 1252.5 | 1267.1 | 1270.2 | 1272.5 | 1270.2 |
| 135°   | 954.7  | 1058.2 | 1159.9 | 1231.2 | 1280.3 | 1317.7 | 1338.0 | 1351.6 | 1360.0 | 1365.1 | 1360.0 |
| 137.5° | 1036.5 | 1145.7 | 1243.4 | 1306.8 | 1356.3 | 1388.5 | 1411.6 | 1425.8 | 1434.7 | 1438.7 | 1434.7 |
| 140°   | 1092.1 | 1197.2 | 1292.2 | 1358.3 | 1402.4 | 1434.7 | 1455.0 | 1472.0 | 1482.1 | 1482.1 | 1482.1 |
| 142.5° | 1145.0 | 1248.8 | 1341.1 | 1407.2 | 1445.9 | 1475.4 | 1497.1 | 1510.0 | 1521.5 | 1521.5 | 1521.5 |
| 145°   | 1219.3 | 1322.7 | 1407.5 | 1473.7 | 1505.9 | 1533.0 | 1556.8 | 1566.9 | 1573.7 | 1573.7 | 1573.7 |
| 147.5° | 1297.0 | 1388.5 | 1465.9 | 1529.3 | 1556.4 | 1588.3 | 1607.0 | 1615.1 | 1623.6 | 1619.8 | 1623.6 |
| 150°   | 1343.1 | 1427.9 | 1502.5 | 1561.8 | 1589.0 | 1619.5 | 1638.2 | 1644.9 | 1653.4 | 1648.3 | 1653.4 |
| 152.5° | 1387.9 | 1468.6 | 1536.4 | 1591.7 | 1614.8 | 1645.3 | 1666.6 | 1673.4 | 1679.2 | 1675.5 | 1679.2 |
| 155°   | 1448.2 | 1519.5 | 1582.2 | 1633.1 | 1653.4 | 1682.3 | 1702.6 | 1711.1 | 1717.9 | 1709.4 | 1717.9 |
| 157.5° | 1502.2 | 1563.5 | 1618.1 | 1665.0 | 1686.7 | 1711.4 | 1730.4 | 1740.9 | 1747.7 | 1744.0 | 1747.7 |
| 160°   | 1534.7 | 1590.7 | 1639.9 | 1683.9 | 1704.3 | 1726.3 | 1746.7 | 1758.6 | 1765.3 | 1760.3 | 1765.3 |
| 162.5° | 1561.8 | 1612.4 | 1658.8 | 1698.9 | 1716.5 | 1735.8 | 1760.3 | 1770.8 | 1777.6 | 1771.1 | 1777.6 |
| 165°   | 1600.9 | 1641.6 | 1682.3 | 1716.2 | 1731.4 | 1746.7 | 1772.1 | 1784.0 | 1789.1 | 1782.3 | 1789.1 |
| 167.5° | 1630.4 | 1661.6 | 1694.5 | 1723.6 | 1734.8 | 1749.7 | 1775.2 | 1785.0 | 1791.5 | 1783.0 | 1791.5 |
| 170°   | 1646.6 | 1673.8 | 1702.6 | 1726.3 | 1734.8 | 1748.4 | 1773.8 | 1782.3 | 1787.4 | 1778.9 | 1787.4 |
| 172.5° | 1660.2 | 1680.6 | 1704.0 | 1725.0 | 1729.4 | 1740.2 | 1764.3 | 1772.8 | 1776.5 | 1769.4 | 1776.5 |
| 175°   | 1673.8 | 1685.6 | 1702.6 | 1716.2 | 1714.5 | 1721.3 | 1741.6 | 1748.4 | 1755.2 | 1745.0 | 1755.2 |
| 177.5° | 1680.2 | 1685.6 | 1691.1 | 1699.2 | 1693.8 | 1693.8 | 1708.7 | 1712.8 | 1714.1 | 1708.7 | 1714.1 |
| 180°   | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 |
| 2.5°   | 945.4 | 944.7 | 944.0 | 945.6 | 949.5 | 950.9 | 944.9 | 938.8 | 944.9 | 950.9 | 949.5 |
| 5°     | 945.8 | 944.3 | 943.5 | 945.0 | 949.0 | 950.1 | 942.6 | 935.0 | 942.6 | 950.1 | 949.0 |
| 7.5°   | 944.4 | 942.3 | 940.8 | 942.0 | 945.9 | 946.9 | 939.1 | 931.4 | 939.1 | 946.9 | 945.9 |
| 10°    | 941.8 | 939.3 | 937.1 | 937.8 | 941.3 | 942.3 | 935.7 | 929.0 | 935.7 | 942.3 | 941.3 |
| 12.5°  | 936.1 | 933.2 | 930.3 | 930.4 | 933.6 | 934.4 | 928.1 | 921.8 | 928.1 | 934.4 | 933.6 |
| 15°    | 927.6 | 924.0 | 920.0 | 918.9 | 920.7 | 920.6 | 914.8 | 909.0 | 914.8 | 920.6 | 920.7 |
| 17.5°  | 920.4 | 915.5 | 909.9 | 907.1 | 907.3 | 905.7 | 898.6 | 891.6 | 898.6 | 905.7 | 907.3 |
| 20°    | 916.1 | 909.7 | 902.6 | 898.6 | 897.7 | 894.9 | 886.5 | 878.0 | 886.5 | 894.9 | 897.7 |
| 22.5°  | 915.3 | 905.4 | 894.7 | 888.6 | 887.0 | 883.3 | 873.5 | 863.6 | 873.5 | 883.3 | 887.0 |
| 25°    | 915.9 | 901.3 | 885.8 | 874.9 | 868.7 | 861.6 | 851.8 | 842.0 | 851.8 | 861.6 | 868.7 |
| 27.5°  | 909.7 | 894.3 | 876.8 | 861.5 | 848.4 | 836.2 | 826.5 | 816.8 | 826.5 | 836.2 | 848.4 |
| 30°    | 899.1 | 883.3 | 865.1 | 848.2 | 832.7 | 818.7 | 809.3 | 800.0 | 809.3 | 818.7 | 832.7 |
| 32.5°  | 884.5 | 867.9 | 848.2 | 830.1 | 813.5 | 798.6 | 788.9 | 779.2 | 788.9 | 798.6 | 813.5 |
| 35°    | 859.1 | 842.7 | 822.2 | 802.0 | 782.0 | 764.7 | 755.3 | 746.0 | 755.3 | 764.7 | 782.0 |
| 37.5°  | 807.9 | 799.2 | 787.7 | 770.8 | 748.4 | 729.0 | 718.4 | 707.8 | 718.4 | 729.0 | 748.4 |
| 40°    | 761.6 | 761.3 | 759.1 | 747.3 | 726.0 | 706.6 | 692.8 | 679.0 | 692.8 | 706.6 | 726.0 |
| 42.5°  | 698.2 | 711.2 | 720.0 | 716.9 | 702.0 | 686.4 | 668.7 | 651.0 | 668.7 | 686.4 | 702.0 |
| 45°    | 562.6 | 600.7 | 645.6 | 665.1 | 659.3 | 649.8 | 628.9 | 608.0 | 628.9 | 649.8 | 659.3 |
| 47.5°  | 472.3 | 512.0 | 560.8 | 590.4 | 600.8 | 603.4 | 582.8 | 562.2 | 582.8 | 603.4 | 600.8 |
| 50°    | 422.1 | 456.0 | 497.3 | 530.7 | 556.0 | 570.1 | 550.6 | 531.0 | 550.6 | 570.1 | 556.0 |
| 52.5°  | 372.6 | 404.0 | 440.0 | 475.1 | 509.3 | 530.6 | 513.2 | 495.8 | 513.2 | 530.6 | 509.3 |
| 55°    | 289.8 | 325.7 | 367.9 | 406.6 | 441.7 | 465.0 | 453.0 | 441.0 | 453.0 | 465.0 | 441.7 |
| 57.5°  | 216.3 | 258.2 | 307.8 | 346.2 | 373.5 | 391.9 | 383.4 | 375.0 | 383.4 | 391.9 | 373.5 |
| 60°    | 178.7 | 217.7 | 266.6 | 303.2 | 327.7 | 344.3 | 337.7 | 331.0 | 337.7 | 344.3 | 327.7 |
| 62.5°  | 156.2 | 187.3 | 227.6 | 260.4 | 285.5 | 302.9 | 297.0 | 291.0 | 297.0 | 302.9 | 285.5 |
| 65°    | 133.9 | 152.7 | 177.6 | 203.1 | 229.3 | 247.6 | 241.8 | 236.0 | 241.8 | 247.6 | 229.3 |
| 67.5°  | 116.9 | 126.6 | 139.4 | 158.3 | 183.3 | 200.4 | 194.1 | 187.8 | 194.1 | 200.4 | 183.3 |
| 70°    | 104.8 | 110.3 | 117.4 | 132.8 | 156.3 | 172.3 | 165.7 | 159.0 | 165.7 | 172.3 | 156.3 |
| 72.5°  | 92.1  | 95.7  | 100.3 | 113.0 | 133.7 | 147.6 | 141.3 | 135.0 | 141.3 | 147.6 | 133.7 |
| 75°    | 73.9  | 75.7  | 77.9  | 86.6  | 101.7 | 111.8 | 106.9 | 102.0 | 106.9 | 111.8 | 101.7 |
| 77.5°  | 56.1  | 57.1  | 58.2  | 63.7  | 73.6  | 80.2  | 77.1  | 74.0  | 77.1  | 80.2  | 73.6  |
| 80°    | 44.9  | 45.3  | 45.8  | 49.3  | 56.0  | 60.7  | 59.3  | 58.0  | 59.3  | 60.7  | 56.0  |
| 82.5°  | 33.6  | 34.1  | 34.6  | 36.5  | 40.0  | 42.7  | 43.2  | 43.6  | 43.2  | 42.7  | 40.0  |
| 85°    | 14.7  | 16.3  | 18.1  | 19.4  | 20.3  | 21.2  | 22.1  | 23.0  | 22.1  | 21.2  | 20.3  |
| 87.5°  | 9.5   | 9.4   | 9.8   | 10.5  | 11.3  | 11.3  | 9.6   | 8.2   | 9.6   | 10.9  | 12.0  |
| 90°    | 35.6  | 33.9  | 33.9  | 32.2  | 27.1  | 20.3  | 11.9  | 5.1   | 11.9  | 18.7  | 30.5  |
| 92.5°  | 42.4  | 42.1  | 39.3  | 36.3  | 29.8  | 29.8  | 29.5  | 18.7  | 32.2  | 45.8  | 65.8  |
| 95°    | 39.0  | 39.0  | 45.8  | 57.7  | 84.8  | 86.5  | 57.7  | 52.6  | 74.6  | 105.1 | 132.3 |
| 97.5°  | 105.5 | 125.5 | 154.0 | 159.4 | 150.9 | 112.6 | 107.9 | 100.4 | 136.7 | 166.9 | 210.6 |
| 100°   | 195.0 | 220.5 | 240.8 | 200.1 | 157.7 | 156.0 | 145.8 | 142.4 | 181.5 | 210.3 | 252.7 |
| 102.5° | 304.9 | 312.7 | 242.2 | 219.1 | 209.3 | 202.1 | 186.5 | 184.5 | 223.5 | 263.2 | 298.8 |
| 105°   | 330.7 | 296.8 | 298.5 | 298.5 | 291.7 | 278.1 | 249.3 | 247.6 | 291.7 | 337.5 | 381.6 |
| 107.5° | 389.0 | 394.1 | 402.9 | 400.9 | 393.1 | 356.8 | 322.9 | 315.1 | 354.8 | 409.7 | 458.2 |
| 110°   | 466.3 | 471.4 | 474.8 | 471.4 | 459.6 | 413.8 | 373.1 | 361.2 | 396.8 | 454.5 | 507.0 |



TEST NUMBER: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 541.0  | 544.7  | 552.2  | 542.0  | 522.0  | 469.4  | 423.3  | 406.0  | 441.6  | 500.6  | 554.5  |
| 115°   | 659.7  | 659.7  | 661.4  | 656.3  | 615.6  | 561.3  | 500.3  | 474.8  | 505.4  | 559.6  | 619.0  |
| 117.5° | 776.3  | 778.4  | 771.6  | 758.0  | 710.9  | 647.8  | 579.3  | 538.6  | 562.7  | 620.0  | 681.0  |
| 120°   | 849.6  | 853.0  | 846.2  | 825.9  | 780.1  | 708.9  | 630.8  | 583.4  | 602.0  | 658.0  | 719.0  |
| 122.5° | 925.6  | 924.9  | 916.8  | 893.7  | 839.8  | 765.8  | 689.2  | 630.8  | 638.6  | 690.5  | 750.2  |
| 125°   | 1031.1 | 1029.4 | 1022.6 | 995.4  | 939.5  | 863.2  | 773.3  | 702.1  | 691.9  | 736.0  | 797.0  |
| 127.5° | 1131.4 | 1127.7 | 1117.2 | 1084.3 | 1027.0 | 953.4  | 854.7  | 774.0  | 751.2  | 779.1  | 835.0  |
| 130°   | 1200.6 | 1195.6 | 1176.9 | 1141.3 | 1085.3 | 1015.8 | 915.7  | 824.2  | 791.9  | 808.9  | 858.1  |
| 132.5° | 1267.1 | 1252.5 | 1236.6 | 1198.3 | 1146.4 | 1074.1 | 972.7  | 877.1  | 832.6  | 840.1  | 878.4  |
| 135°   | 1351.6 | 1338.0 | 1317.7 | 1280.3 | 1231.2 | 1159.9 | 1058.2 | 954.7  | 893.7  | 886.9  | 909.0  |
| 137.5° | 1425.8 | 1411.6 | 1388.5 | 1356.3 | 1306.8 | 1243.4 | 1145.7 | 1036.5 | 959.5  | 936.8  | 945.2  |
| 140°   | 1472.0 | 1455.0 | 1434.7 | 1402.4 | 1358.3 | 1292.2 | 1197.2 | 1092.1 | 1005.6 | 973.4  | 968.3  |
| 142.5° | 1510.0 | 1497.1 | 1475.4 | 1445.9 | 1407.2 | 1341.1 | 1248.8 | 1145.0 | 1053.1 | 1011.4 | 999.5  |
| 145°   | 1566.9 | 1556.8 | 1533.0 | 1505.9 | 1473.7 | 1407.5 | 1322.7 | 1219.3 | 1127.7 | 1073.5 | 1048.0 |
| 147.5° | 1615.1 | 1607.0 | 1588.3 | 1556.4 | 1529.3 | 1465.9 | 1388.5 | 1297.0 | 1203.0 | 1135.9 | 1103.0 |
| 150°   | 1644.9 | 1638.2 | 1619.5 | 1589.0 | 1561.8 | 1502.5 | 1427.9 | 1343.1 | 1253.2 | 1182.0 | 1139.6 |
| 152.5° | 1673.4 | 1666.6 | 1645.3 | 1614.8 | 1591.7 | 1536.4 | 1468.6 | 1387.9 | 1296.6 | 1225.4 | 1181.6 |
| 155°   | 1711.1 | 1702.6 | 1682.3 | 1653.4 | 1633.1 | 1582.2 | 1519.5 | 1448.2 | 1370.2 | 1295.6 | 1246.4 |
| 157.5° | 1740.9 | 1730.4 | 1711.4 | 1686.7 | 1665.0 | 1618.1 | 1563.5 | 1502.2 | 1434.0 | 1362.8 | 1312.6 |
| 160°   | 1758.6 | 1746.7 | 1726.3 | 1704.3 | 1683.9 | 1639.9 | 1590.7 | 1534.7 | 1472.0 | 1407.5 | 1353.3 |
| 162.5° | 1770.8 | 1760.3 | 1735.8 | 1716.5 | 1698.9 | 1658.8 | 1612.4 | 1561.8 | 1505.9 | 1449.6 | 1399.4 |
| 165°   | 1784.0 | 1772.1 | 1746.7 | 1731.4 | 1716.2 | 1682.3 | 1641.6 | 1600.9 | 1553.4 | 1507.6 | 1466.9 |
| 167.5° | 1785.0 | 1775.2 | 1749.7 | 1734.8 | 1723.6 | 1694.5 | 1661.6 | 1630.4 | 1593.4 | 1557.4 | 1523.5 |
| 170°   | 1782.3 | 1773.8 | 1748.4 | 1734.8 | 1726.3 | 1702.6 | 1673.8 | 1646.6 | 1617.8 | 1587.3 | 1560.2 |
| 172.5° | 1772.8 | 1764.3 | 1740.2 | 1729.4 | 1725.0 | 1704.0 | 1680.6 | 1660.2 | 1635.4 | 1613.1 | 1591.4 |
| 175°   | 1748.4 | 1741.6 | 1721.3 | 1714.5 | 1716.2 | 1702.6 | 1685.6 | 1673.8 | 1658.5 | 1644.9 | 1633.1 |
| 177.5° | 1712.8 | 1708.7 | 1693.8 | 1693.8 | 1699.2 | 1691.1 | 1685.6 | 1680.2 | 1673.4 | 1669.4 | 1665.3 |
| 180°   | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 |



TEST NUMBER: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 | 946.0 |
| 2.5°   | 945.6 | 944.0 | 944.7 | 945.4 | 946.1 | 946.8 | 946.1 | 945.4 | 944.7 | 944.0 | 945.6 |
| 5°     | 945.0 | 943.5 | 944.3 | 945.8 | 948.9 | 952.0 | 948.9 | 945.8 | 944.3 | 943.5 | 945.0 |
| 7.5°   | 942.0 | 940.8 | 942.3 | 944.4 | 948.2 | 952.0 | 948.2 | 944.4 | 942.3 | 940.8 | 942.0 |
| 10°    | 937.8 | 937.1 | 939.3 | 941.8 | 944.9 | 948.0 | 944.9 | 941.8 | 939.3 | 937.1 | 937.8 |
| 12.5°  | 930.4 | 930.3 | 933.2 | 936.1 | 938.9 | 941.6 | 938.9 | 936.1 | 933.2 | 930.3 | 930.4 |
| 15°    | 918.9 | 920.0 | 924.0 | 927.6 | 929.8 | 932.0 | 929.8 | 927.6 | 924.0 | 920.0 | 918.9 |
| 17.5°  | 907.1 | 909.9 | 915.5 | 920.4 | 922.7 | 925.0 | 922.7 | 920.4 | 915.5 | 909.9 | 907.1 |
| 20°    | 898.6 | 902.6 | 909.7 | 916.1 | 920.6 | 925.0 | 920.6 | 916.1 | 909.7 | 902.6 | 898.6 |
| 22.5°  | 888.6 | 894.7 | 905.4 | 915.3 | 923.0 | 930.6 | 923.0 | 915.3 | 905.4 | 894.7 | 888.6 |
| 25°    | 874.9 | 885.8 | 901.3 | 915.9 | 927.5 | 939.0 | 927.5 | 915.9 | 901.3 | 885.8 | 874.9 |
| 27.5°  | 861.5 | 876.8 | 894.3 | 909.7 | 918.9 | 928.0 | 918.9 | 909.7 | 894.3 | 876.8 | 861.5 |
| 30°    | 848.2 | 865.1 | 883.3 | 899.1 | 907.6 | 916.0 | 907.6 | 899.1 | 883.3 | 865.1 | 848.2 |
| 32.5°  | 830.1 | 848.2 | 867.9 | 884.5 | 892.3 | 900.0 | 892.3 | 884.5 | 867.9 | 848.2 | 830.1 |
| 35°    | 802.0 | 822.2 | 842.7 | 859.1 | 863.6 | 868.0 | 863.6 | 859.1 | 842.7 | 822.2 | 802.0 |
| 37.5°  | 770.8 | 787.7 | 799.2 | 807.9 | 808.1 | 808.4 | 808.1 | 807.9 | 799.2 | 787.7 | 770.8 |
| 40°    | 747.3 | 759.1 | 761.3 | 761.6 | 755.8 | 750.0 | 755.8 | 761.6 | 761.3 | 759.1 | 747.3 |
| 42.5°  | 716.9 | 720.0 | 711.2 | 698.2 | 672.5 | 646.8 | 672.5 | 698.2 | 711.2 | 720.0 | 716.9 |
| 45°    | 665.1 | 645.6 | 600.7 | 562.6 | 544.8 | 527.0 | 544.8 | 562.6 | 600.7 | 645.6 | 665.1 |
| 47.5°  | 590.4 | 560.8 | 512.0 | 472.3 | 460.1 | 447.8 | 460.1 | 472.3 | 512.0 | 560.8 | 590.4 |
| 50°    | 530.7 | 497.3 | 456.0 | 422.1 | 410.6 | 399.0 | 410.6 | 422.1 | 456.0 | 497.3 | 530.7 |
| 52.5°  | 475.1 | 440.0 | 404.0 | 372.6 | 355.0 | 337.4 | 355.0 | 372.6 | 404.0 | 440.0 | 475.1 |
| 55°    | 406.6 | 367.9 | 325.7 | 289.8 | 272.9 | 256.0 | 272.9 | 289.8 | 325.7 | 367.9 | 406.6 |
| 57.5°  | 346.2 | 307.8 | 258.2 | 216.3 | 197.3 | 178.4 | 197.3 | 216.3 | 258.2 | 307.8 | 346.2 |
| 60°    | 303.2 | 266.6 | 217.7 | 178.7 | 169.3 | 160.0 | 169.3 | 178.7 | 217.7 | 266.6 | 303.2 |
| 62.5°  | 260.4 | 227.6 | 187.3 | 156.2 | 152.9 | 149.6 | 152.9 | 156.2 | 187.3 | 227.6 | 260.4 |
| 65°    | 203.1 | 177.6 | 152.7 | 133.9 | 133.4 | 133.0 | 133.4 | 133.9 | 152.7 | 177.6 | 203.1 |
| 67.5°  | 158.3 | 139.4 | 126.6 | 116.9 | 116.3 | 115.8 | 116.3 | 116.9 | 126.6 | 139.4 | 158.3 |
| 70°    | 132.8 | 117.4 | 110.3 | 104.8 | 103.9 | 103.0 | 103.9 | 104.8 | 110.3 | 117.4 | 132.8 |
| 72.5°  | 113.0 | 100.3 | 95.7  | 92.1  | 91.5  | 91.0  | 91.5  | 92.1  | 95.7  | 100.3 | 113.0 |
| 75°    | 86.6  | 77.9  | 75.7  | 73.9  | 73.4  | 73.0  | 73.4  | 73.9  | 75.7  | 77.9  | 86.6  |
| 77.5°  | 63.7  | 58.2  | 57.1  | 56.1  | 55.6  | 55.2  | 55.6  | 56.1  | 57.1  | 58.2  | 63.7  |
| 80°    | 49.3  | 45.8  | 45.3  | 44.9  | 44.4  | 44.0  | 44.4  | 44.9  | 45.3  | 45.8  | 49.3  |
| 82.5°  | 36.5  | 34.6  | 34.1  | 33.6  | 32.8  | 32.0  | 32.8  | 33.6  | 34.1  | 34.6  | 36.5  |
| 85°    | 19.4  | 18.1  | 16.3  | 14.7  | 13.3  | 12.0  | 13.3  | 14.7  | 16.3  | 18.1  | 19.4  |
| 87.5°  | 11.9  | 13.2  | 15.2  | 16.3  | 17.7  | 17.0  | 17.7  | 16.3  | 15.2  | 13.2  | 11.9  |
| 90°    | 39.0  | 50.9  | 62.7  | 69.5  | 76.3  | 72.9  | 76.3  | 69.5  | 62.7  | 50.9  | 39.0  |
| 92.5°  | 78.3  | 98.4  | 112.9 | 125.2 | 130.6 | 129.9 | 130.6 | 125.2 | 112.9 | 98.4  | 78.3  |
| 95°    | 157.7 | 181.5 | 205.2 | 222.2 | 232.3 | 228.9 | 232.3 | 222.2 | 205.2 | 181.5 | 157.7 |
| 97.5°  | 243.2 | 275.1 | 301.5 | 317.5 | 327.6 | 334.4 | 327.6 | 317.5 | 301.5 | 275.1 | 243.2 |
| 100°   | 300.2 | 330.7 | 361.2 | 379.9 | 396.8 | 403.6 | 396.8 | 379.9 | 361.2 | 330.7 | 300.2 |
| 102.5° | 346.3 | 386.3 | 419.5 | 439.6 | 453.8 | 460.6 | 453.8 | 439.6 | 419.5 | 386.3 | 346.3 |
| 105°   | 422.3 | 464.7 | 500.3 | 525.7 | 541.0 | 546.1 | 541.0 | 525.7 | 500.3 | 464.7 | 422.3 |
| 107.5° | 498.2 | 542.0 | 574.9 | 603.0 | 621.7 | 632.5 | 621.7 | 603.0 | 574.9 | 542.0 | 498.2 |
| 110°   | 557.9 | 593.5 | 629.1 | 654.6 | 673.2 | 680.0 | 673.2 | 654.6 | 629.1 | 593.5 | 557.9 |



TEST NUMBER: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 608.1  | 647.8  | 683.4  | 708.9  | 730.2  | 739.7  | 730.2  | 708.9  | 683.4  | 647.8  | 608.1  |
| 115°   | 678.3  | 730.9  | 763.1  | 786.9  | 802.1  | 810.6  | 802.1  | 786.9  | 763.1  | 730.9  | 678.3  |
| 117.5° | 736.7  | 791.6  | 826.9  | 845.2  | 852.3  | 858.4  | 852.3  | 845.2  | 826.9  | 791.6  | 736.7  |
| 120°   | 773.3  | 824.2  | 864.9  | 888.6  | 897.1  | 900.5  | 897.1  | 888.6  | 864.9  | 824.2  | 773.3  |
| 122.5° | 807.2  | 855.4  | 894.7  | 923.9  | 937.8  | 941.2  | 937.8  | 923.9  | 894.7  | 855.4  | 807.2  |
| 125°   | 854.7  | 900.5  | 941.2  | 970.0  | 985.3  | 993.7  | 985.3  | 970.0  | 941.2  | 900.5  | 854.7  |
| 127.5° | 896.1  | 945.6  | 982.9  | 1009.0 | 1023.9 | 1030.7 | 1023.9 | 1009.0 | 982.9  | 945.6  | 896.1  |
| 130°   | 919.1  | 970.0  | 1007.3 | 1036.1 | 1049.7 | 1056.5 | 1049.7 | 1036.1 | 1007.3 | 970.0  | 919.1  |
| 132.5° | 936.8  | 990.4  | 1029.0 | 1055.1 | 1070.1 | 1076.8 | 1070.1 | 1055.1 | 1029.0 | 990.4  | 936.8  |
| 135°   | 958.1  | 1014.1 | 1054.8 | 1080.2 | 1093.8 | 1100.6 | 1093.8 | 1080.2 | 1054.8 | 1014.1 | 958.1  |
| 137.5° | 976.8  | 1027.7 | 1070.1 | 1096.9 | 1109.1 | 1113.5 | 1109.1 | 1096.9 | 1070.1 | 1027.7 | 976.8  |
| 140°   | 990.4  | 1034.4 | 1076.8 | 1102.3 | 1115.8 | 1117.5 | 1115.8 | 1102.3 | 1076.8 | 1034.4 | 990.4  |
| 142.5° | 1008.0 | 1042.6 | 1079.6 | 1105.0 | 1118.6 | 1121.6 | 1118.6 | 1105.0 | 1079.6 | 1042.6 | 1008.0 |
| 145°   | 1039.5 | 1059.9 | 1085.3 | 1109.1 | 1120.9 | 1124.3 | 1120.9 | 1109.1 | 1085.3 | 1059.9 | 1039.5 |
| 147.5° | 1079.2 | 1085.7 | 1098.9 | 1114.5 | 1126.0 | 1128.4 | 1126.0 | 1114.5 | 1098.9 | 1085.7 | 1079.2 |
| 150°   | 1109.1 | 1107.4 | 1112.5 | 1122.6 | 1132.8 | 1131.1 | 1132.8 | 1122.6 | 1112.5 | 1107.4 | 1109.1 |
| 152.5° | 1143.0 | 1133.1 | 1132.8 | 1137.6 | 1142.3 | 1142.0 | 1142.3 | 1137.6 | 1132.8 | 1133.1 | 1143.0 |
| 155°   | 1200.6 | 1182.0 | 1171.8 | 1168.4 | 1168.4 | 1166.7 | 1168.4 | 1168.4 | 1171.8 | 1182.0 | 1200.6 |
| 157.5° | 1264.1 | 1237.9 | 1222.7 | 1214.5 | 1212.2 | 1208.4 | 1212.2 | 1214.5 | 1222.7 | 1237.9 | 1264.1 |
| 160°   | 1307.5 | 1278.6 | 1263.4 | 1249.8 | 1244.7 | 1239.6 | 1244.7 | 1249.8 | 1263.4 | 1278.6 | 1307.5 |
| 162.5° | 1348.2 | 1320.7 | 1304.1 | 1291.9 | 1286.8 | 1279.0 | 1286.8 | 1291.9 | 1304.1 | 1320.7 | 1348.2 |
| 165°   | 1414.3 | 1385.5 | 1366.8 | 1356.7 | 1349.9 | 1343.1 | 1349.9 | 1356.7 | 1366.8 | 1385.5 | 1414.3 |
| 167.5° | 1480.4 | 1448.9 | 1436.7 | 1425.2 | 1418.7 | 1406.5 | 1418.7 | 1425.2 | 1436.7 | 1448.9 | 1480.4 |
| 170°   | 1521.1 | 1492.3 | 1485.5 | 1475.4 | 1463.5 | 1449.9 | 1463.5 | 1475.4 | 1485.5 | 1492.3 | 1521.1 |
| 172.5° | 1556.4 | 1537.1 | 1530.3 | 1520.1 | 1516.4 | 1505.5 | 1516.4 | 1520.1 | 1530.3 | 1537.1 | 1556.4 |
| 175°   | 1607.6 | 1592.4 | 1592.4 | 1590.7 | 1585.6 | 1575.4 | 1585.6 | 1590.7 | 1592.4 | 1592.4 | 1607.6 |
| 177.5° | 1650.4 | 1642.2 | 1647.7 | 1647.7 | 1646.3 | 1636.8 | 1646.3 | 1647.7 | 1647.7 | 1642.2 | 1650.4 |
| 180°   | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 | 1678.9 |



TEST NUMBER: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 946.0 | 946.0 | 946.0 | 946.0 |
| 2.5°   | 949.5 | 950.9 | 944.9 | 938.8 |
| 5°     | 949.0 | 950.1 | 942.6 | 935.0 |
| 7.5°   | 945.9 | 946.9 | 939.1 | 931.4 |
| 10°    | 941.3 | 942.3 | 935.7 | 929.0 |
| 12.5°  | 933.6 | 934.4 | 928.1 | 921.8 |
| 15°    | 920.7 | 920.6 | 914.8 | 909.0 |
| 17.5°  | 907.3 | 905.7 | 898.6 | 891.6 |
| 20°    | 897.7 | 894.9 | 886.5 | 878.0 |
| 22.5°  | 887.0 | 883.3 | 873.5 | 863.6 |
| 25°    | 868.7 | 861.6 | 851.8 | 842.0 |
| 27.5°  | 848.4 | 836.2 | 826.5 | 816.8 |
| 30°    | 832.7 | 818.7 | 809.3 | 800.0 |
| 32.5°  | 813.5 | 798.6 | 788.9 | 779.2 |
| 35°    | 782.0 | 764.7 | 755.3 | 746.0 |
| 37.5°  | 748.4 | 729.0 | 718.4 | 707.8 |
| 40°    | 726.0 | 706.6 | 692.8 | 679.0 |
| 42.5°  | 702.0 | 686.4 | 668.7 | 651.0 |
| 45°    | 659.3 | 649.8 | 628.9 | 608.0 |
| 47.5°  | 600.8 | 603.4 | 582.8 | 562.2 |
| 50°    | 556.0 | 570.1 | 550.6 | 531.0 |
| 52.5°  | 509.3 | 530.6 | 513.2 | 495.8 |
| 55°    | 441.7 | 465.0 | 453.0 | 441.0 |
| 57.5°  | 373.5 | 391.9 | 383.4 | 375.0 |
| 60°    | 327.7 | 344.3 | 337.7 | 331.0 |
| 62.5°  | 285.5 | 302.9 | 297.0 | 291.0 |
| 65°    | 229.3 | 247.6 | 241.8 | 236.0 |
| 67.5°  | 183.3 | 200.4 | 194.1 | 187.8 |
| 70°    | 156.3 | 172.3 | 165.7 | 159.0 |
| 72.5°  | 133.7 | 147.6 | 141.3 | 135.0 |
| 75°    | 101.7 | 111.8 | 106.9 | 102.0 |
| 77.5°  | 73.6  | 80.2  | 77.1  | 74.0  |
| 80°    | 56.0  | 60.7  | 59.3  | 58.0  |
| 82.5°  | 40.0  | 42.7  | 43.2  | 43.6  |
| 85°    | 20.3  | 21.2  | 22.1  | 23.0  |
| 87.5°  | 12.0  | 10.9  | 9.6   | 8.2   |
| 90°    | 30.5  | 18.7  | 11.9  | 5.1   |
| 92.5°  | 65.8  | 45.8  | 32.2  | 18.7  |
| 95°    | 132.3 | 105.1 | 74.6  | 52.6  |
| 97.5°  | 210.6 | 166.9 | 136.7 | 100.4 |
| 100°   | 252.7 | 210.3 | 181.5 | 142.4 |
| 102.5° | 298.8 | 263.2 | 223.5 | 184.5 |
| 105°   | 381.6 | 337.5 | 291.7 | 247.6 |
| 107.5° | 458.2 | 409.7 | 354.8 | 315.1 |
| 110°   | 507.0 | 454.5 | 396.8 | 361.2 |



TEST NUMBER: P1428111

CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 554.5  | 500.6  | 441.6  | 406.0  |
| 115°   | 619.0  | 559.6  | 505.4  | 474.8  |
| 117.5° | 681.0  | 620.0  | 562.7  | 538.6  |
| 120°   | 719.0  | 658.0  | 602.0  | 583.4  |
| 122.5° | 750.2  | 690.5  | 638.6  | 630.8  |
| 125°   | 797.0  | 736.0  | 691.9  | 702.1  |
| 127.5° | 835.0  | 779.1  | 751.2  | 774.0  |
| 130°   | 858.1  | 808.9  | 791.9  | 824.2  |
| 132.5° | 878.4  | 840.1  | 832.6  | 877.1  |
| 135°   | 909.0  | 886.9  | 893.7  | 954.7  |
| 137.5° | 945.2  | 936.8  | 959.5  | 1036.5 |
| 140°   | 968.3  | 973.4  | 1005.6 | 1092.1 |
| 142.5° | 999.5  | 1011.4 | 1053.1 | 1145.0 |
| 145°   | 1048.0 | 1073.5 | 1127.7 | 1219.3 |
| 147.5° | 1103.0 | 1135.9 | 1203.0 | 1297.0 |
| 150°   | 1139.6 | 1182.0 | 1253.2 | 1343.1 |
| 152.5° | 1181.6 | 1225.4 | 1296.6 | 1387.9 |
| 155°   | 1246.4 | 1295.6 | 1370.2 | 1448.2 |
| 157.5° | 1312.6 | 1362.8 | 1434.0 | 1502.2 |
| 160°   | 1353.3 | 1407.5 | 1472.0 | 1534.7 |
| 162.5° | 1399.4 | 1449.6 | 1505.9 | 1561.8 |
| 165°   | 1466.9 | 1507.6 | 1553.4 | 1600.9 |
| 167.5° | 1523.5 | 1557.4 | 1593.4 | 1630.4 |
| 170°   | 1560.2 | 1587.3 | 1617.8 | 1646.6 |
| 172.5° | 1591.4 | 1613.1 | 1635.4 | 1660.2 |
| 175°   | 1633.1 | 1644.9 | 1658.5 | 1673.8 |
| 177.5° | 1665.3 | 1669.4 | 1673.4 | 1680.2 |
| 180°   | 1678.9 | 1678.9 | 1678.9 | 1678.9 |



TEST NUMBER: P1428111  
 CATALOG NUMBER: SQ2W-PP3-K-125U-050D-L935-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 | 15.06            | 15.76 | 16.15 | 16.85 | 18.35 | 10.83          | 11.54 | 11.93 | 12.63 | 14.13 |
|                 | 3H   | 16.10            | 16.74 | 17.21 | 17.84 | 19.35 | 12.13          | 12.76 | 13.23 | 13.86 | 15.37 |
|                 | 4H   | 16.47            | 17.06 | 17.58 | 18.17 | 19.69 | 12.67          | 13.27 | 13.79 | 14.37 | 15.90 |
|                 | 6H   | 16.65            | 17.20 | 17.78 | 18.31 | 19.84 | 13.03          | 13.58 | 14.15 | 14.68 | 16.22 |
|                 | 8H   | 16.71            | 17.23 | 17.84 | 18.35 | 19.88 | 13.15          | 13.68 | 14.28 | 14.80 | 16.32 |
|                 | 12H  | 16.73            | 17.22 | 17.86 | 18.34 | 19.89 | 13.18          | 13.68 | 14.32 | 14.79 | 16.34 |
| 4H              | 2H   | 15.16            | 15.75 | 16.28 | 16.86 | 18.38 | 11.72          | 12.32 | 12.84 | 13.42 | 14.94 |
|                 | 3H   | 16.43            | 16.93 | 17.56 | 18.06 | 19.59 | 13.13          | 13.62 | 14.25 | 14.75 | 16.29 |
|                 | 4H   | 16.94            | 17.39 | 18.07 | 18.51 | 20.07 | 13.74          | 14.20 | 14.87 | 15.31 | 16.87 |
|                 | 6H   | 17.24            | 17.63 | 18.38 | 18.77 | 20.32 | 14.18          | 14.57 | 15.32 | 15.71 | 17.26 |
|                 | 8H   | 17.35            | 17.71 | 18.49 | 18.85 | 20.41 | 14.34          | 14.71 | 15.48 | 15.84 | 17.40 |
|                 | 12H  | 17.39            | 17.72 | 18.54 | 18.86 | 20.43 | 14.39          | 14.72 | 15.54 | 15.86 | 17.43 |
| 8H              | 4H   | 16.94            | 17.31 | 18.08 | 18.44 | 20.00 | 14.04          | 14.40 | 15.18 | 15.53 | 17.10 |
|                 | 6H   | 17.35            | 17.65 | 18.51 | 18.83 | 20.39 | 14.59          | 14.89 | 15.75 | 16.07 | 17.63 |
|                 | 8H   | 17.53            | 17.79 | 18.70 | 18.95 | 20.53 | 14.84          | 15.10 | 16.00 | 16.26 | 17.84 |
|                 | 12H  | 17.62            | 17.85 | 18.79 | 19.00 | 20.62 | 14.93          | 15.17 | 16.10 | 16.32 | 17.93 |
| 12H             | 4H   | 16.90            | 17.23 | 18.05 | 18.37 | 19.94 | 14.04          | 14.37 | 15.20 | 15.52 | 17.08 |
|                 | 6H   | 17.34            | 17.61 | 18.51 | 18.76 | 20.34 | 14.66          | 14.92 | 15.82 | 16.07 | 17.65 |
|                 | 8H   | 17.53            | 17.77 | 18.70 | 18.92 | 20.53 | 14.93          | 15.16 | 16.09 | 16.31 | 17.92 |