

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: P1427686

Luminaire Tested: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427686  
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-025U-075D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

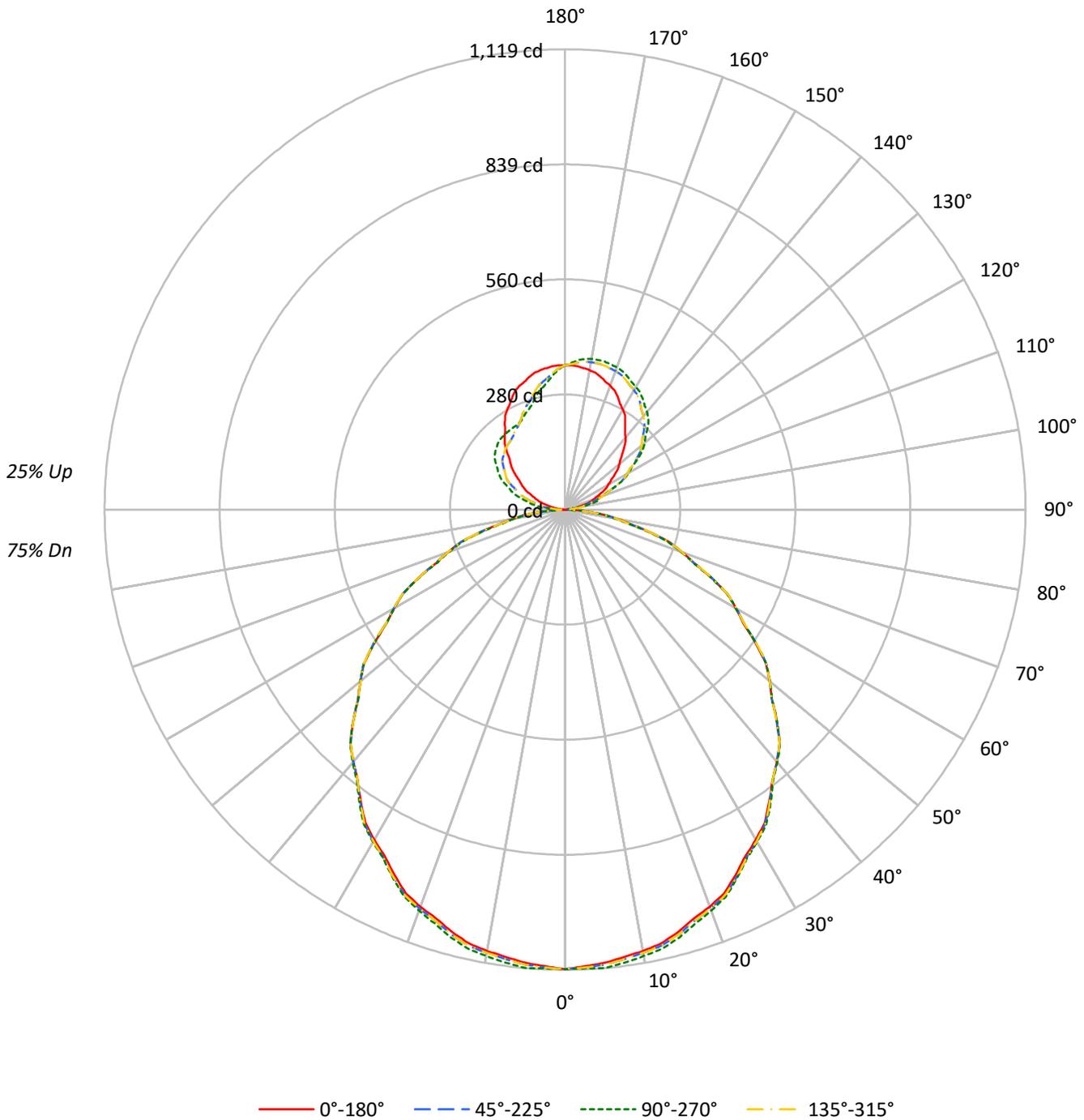
Lumens per Lamp: N/A  
Luminaire Lumens: 4169.5 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
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: P1427686

CATALOG NUMBER: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427686

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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   | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1   | 103 | 99  | 94  | 91  | 98  | 94  | 90  | 87  | 85 | 82 | 80 | 77 | 75 | 73 | 70 | 68 | 67 | 63 |
| 2   | 94  | 86  | 79  | 74  | 89  | 82  | 76  | 71  | 74 | 70 | 66 | 68 | 64 | 61 | 61 | 58 | 56 | 52 |
| 3   | 85  | 75  | 68  | 61  | 81  | 72  | 65  | 59  | 66 | 60 | 55 | 60 | 55 | 51 | 54 | 50 | 47 | 44 |
| 4   | 78  | 67  | 58  | 52  | 74  | 64  | 56  | 50  | 58 | 52 | 47 | 53 | 48 | 44 | 48 | 44 | 41 | 38 |
| 5   | 72  | 59  | 51  | 44  | 68  | 57  | 49  | 43  | 52 | 45 | 40 | 48 | 42 | 38 | 43 | 39 | 35 | 32 |
| 6   | 66  | 53  | 45  | 39  | 63  | 51  | 43  | 37  | 47 | 40 | 35 | 43 | 37 | 33 | 39 | 35 | 31 | 28 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 39  | 33  | 43 | 36 | 31 | 39 | 33 | 29 | 36 | 31 | 27 | 25 |
| 8   | 57  | 44  | 36  | 30  | 54  | 42  | 35  | 29  | 39 | 32 | 28 | 36 | 30 | 26 | 33 | 28 | 25 | 22 |
| 9   | 53  | 40  | 32  | 27  | 50  | 39  | 31  | 26  | 36 | 29 | 25 | 33 | 27 | 23 | 30 | 26 | 22 | 20 |
| 10  | 50  | 37  | 29  | 24  | 47  | 36  | 28  | 24  | 33 | 27 | 22 | 30 | 25 | 21 | 28 | 23 | 20 | 18 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 18038 | 18038 | 18038 | 18038 |
| 5°  | 17927 | 18131 | 17927 | 18131 |
| 10° | 17864 | 18070 | 17864 | 18070 |
| 15° | 17766 | 17989 | 17766 | 17989 |
| 20° | 17654 | 17829 | 17654 | 17829 |
| 25° | 17464 | 17617 | 17464 | 17617 |
| 30° | 17279 | 17396 | 17279 | 17396 |
| 35° | 17057 | 17166 | 17057 | 17166 |
| 40° | 16863 | 16914 | 16863 | 16914 |
| 45° | 16616 | 16616 | 16616 | 16616 |
| 50° | 16284 | 16322 | 16284 | 16322 |
| 55° | 15901 | 15924 | 15901 | 15924 |
| 60° | 15471 | 15471 | 15471 | 15471 |
| 65° | 14968 | 14907 | 14968 | 14907 |
| 70° | 14261 | 14115 | 14261 | 14115 |
| 75° | 13300 | 13007 | 13300 | 13007 |
| 80° | 11855 | 11269 | 11855 | 11269 |
| 85° | 9466  | 8021  | 9466  | 8021  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 16728 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.7  | 2.5       |
| 10°-20°   | 302.0  | 7.2       |
| 20°-30°   | 454.6  | 10.9      |
| 30°-40°   | 543.7  | 13.0      |
| 40°-50°   | 561.4  | 13.5      |
| 50°-60°   | 506.4  | 12.1      |
| 60°-70°   | 387.9  | 9.3       |
| 70°-80°   | 224.2  | 5.4       |
| 80°-90°   | 59.7   | 1.4       |
| 90°-100°  | 27.9   | 0.7       |
| 100°-110° | 81.4   | 2.0       |
| 110°-120° | 132.8  | 3.2       |
| 120°-130° | 168.5  | 4.0       |
| 130°-140° | 180.3  | 4.3       |
| 140°-150° | 168.4  | 4.0       |
| 150°-160° | 138.6  | 3.3       |
| 160°-170° | 92.9   | 2.2       |
| 170°-180° | 33.0   | 0.8       |
| 0°-30°    | 862.4  | 20.7      |
| 0°-40°    | 1406.0 | 33.7      |
| 0°-60°    | 2473.8 | 59.3      |
| 0°-90°    | 3145.6 | 75.4      |
| 90°-120°  | 242.1  | 5.8       |
| 90°-150°  | 759.4  | 18.2      |
| 90°-180°  | 1024.0 | 24.6      |
| 0°-180°   | 4169.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1117 | 1117 | 1117 | 1117 | 1117 |      |
| 5°   | 1106 | 1119 | 1106 | 1119 | 1106 | 105  |
| 15°  | 1063 | 1076 | 1063 | 1076 | 1063 | 300  |
| 25°  | 980  | 989  | 980  | 989  | 980  | 452  |
| 35°  | 865  | 871  | 865  | 871  | 865  | 542  |
| 45°  | 728  | 728  | 728  | 728  | 728  | 561  |
| 55°  | 565  | 566  | 565  | 566  | 565  | 505  |
| 65°  | 392  | 390  | 392  | 390  | 392  | 387  |
| 75°  | 213  | 208  | 213  | 208  | 213  | 226  |
| 85°  | 51   | 43   | 51   | 43   | 51   | 59   |
| 90°  | 1    | 8    | 1    | 15   | 1    | 3    |
| 95°  | 11   | 8    | 11   | 48   | 11   | 13   |
| 105° | 52   | 83   | 52   | 114  | 52   | 55   |
| 115° | 99   | 137  | 99   | 169  | 99   | 98   |
| 125° | 147  | 218  | 147  | 208  | 147  | 131  |
| 135° | 199  | 285  | 199  | 230  | 199  | 154  |
| 145° | 255  | 329  | 255  | 235  | 255  | 159  |
| 155° | 302  | 357  | 302  | 244  | 302  | 139  |
| 165° | 334  | 372  | 334  | 280  | 334  | 94   |
| 175° | 350  | 364  | 350  | 329  | 350  | 33   |
| 180° | 351  | 351  | 351  | 351  | 351  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 |
| 2.5°   | 1111.5 | 1116.8 | 1122.1 | 1119.9 | 1115.1 | 1113.3 | 1114.4 | 1115.4 | 1116.0 | 1116.5 | 1116.0 |
| 5°     | 1106.1 | 1113.1 | 1120.1 | 1117.7 | 1112.1 | 1109.6 | 1110.3 | 1111.7 | 1115.2 | 1118.7 | 1115.2 |
| 7.5°   | 1097.2 | 1104.2 | 1111.2 | 1108.9 | 1103.6 | 1101.4 | 1102.2 | 1103.7 | 1107.4 | 1111.0 | 1107.4 |
| 10°    | 1089.6 | 1096.6 | 1103.6 | 1101.2 | 1095.6 | 1093.5 | 1094.9 | 1096.6 | 1099.4 | 1102.2 | 1099.4 |
| 12.5°  | 1080.2 | 1087.2 | 1094.2 | 1092.1 | 1087.1 | 1085.0 | 1085.8 | 1087.2 | 1090.3 | 1093.4 | 1090.3 |
| 15°    | 1062.9 | 1069.9 | 1076.9 | 1074.9 | 1070.0 | 1068.1 | 1069.2 | 1070.7 | 1073.4 | 1076.2 | 1073.4 |
| 17.5°  | 1041.9 | 1048.5 | 1055.1 | 1053.3 | 1048.8 | 1047.1 | 1048.3 | 1049.8 | 1052.2 | 1054.7 | 1052.2 |
| 20°    | 1027.5 | 1033.8 | 1040.1 | 1038.2 | 1033.7 | 1031.6 | 1031.9 | 1032.8 | 1035.2 | 1037.7 | 1035.2 |
| 22.5°  | 1009.8 | 1016.1 | 1022.4 | 1020.8 | 1016.5 | 1014.0 | 1013.3 | 1013.4 | 1016.4 | 1019.4 | 1016.4 |
| 25°    | 980.3  | 986.6  | 992.9  | 991.5  | 987.7  | 985.2  | 984.2  | 984.0  | 986.5  | 988.9  | 986.5  |
| 27.5°  | 949.4  | 954.7  | 959.9  | 958.8  | 955.6  | 953.6  | 952.9  | 952.9  | 954.6  | 956.3  | 954.6  |
| 30°    | 926.8  | 932.0  | 937.3  | 935.9  | 932.4  | 930.4  | 929.7  | 929.6  | 931.3  | 933.1  | 931.3  |
| 32.5°  | 902.9  | 907.8  | 912.8  | 911.0  | 906.9  | 904.8  | 904.7  | 905.1  | 907.1  | 909.1  | 907.1  |
| 35°    | 865.4  | 869.6  | 873.8  | 872.0  | 868.1  | 866.4  | 866.7  | 867.4  | 869.2  | 870.9  | 869.2  |
| 37.5°  | 827.8  | 831.0  | 834.2  | 832.4  | 828.8  | 827.0  | 826.9  | 827.2  | 828.7  | 830.2  | 828.7  |
| 40°    | 800.1  | 803.6  | 807.1  | 805.1  | 801.2  | 799.1  | 798.8  | 799.0  | 800.7  | 802.5  | 800.7  |
| 42.5°  | 771.8  | 774.4  | 777.1  | 775.3  | 772.0  | 770.5  | 770.7  | 771.1  | 772.0  | 772.9  | 772.0  |
| 45°    | 727.7  | 730.2  | 732.6  | 730.9  | 727.7  | 726.2  | 726.2  | 726.3  | 727.0  | 727.7  | 727.0  |
| 47.5°  | 681.6  | 683.5  | 685.4  | 684.0  | 681.6  | 680.2  | 679.7  | 679.7  | 680.8  | 681.9  | 680.8  |
| 50°    | 648.3  | 650.7  | 653.2  | 651.9  | 649.5  | 647.9  | 647.2  | 647.0  | 648.4  | 649.8  | 648.4  |
| 52.5°  | 615.5  | 618.3  | 621.0  | 619.8  | 617.4  | 615.7  | 614.7  | 614.2  | 615.4  | 616.5  | 615.4  |
| 55°    | 564.9  | 568.0  | 571.2  | 570.4  | 568.3  | 566.5  | 565.1  | 564.3  | 565.0  | 565.7  | 565.0  |
| 57.5°  | 513.1  | 516.2  | 519.3  | 518.7  | 516.8  | 515.1  | 513.4  | 512.4  | 513.4  | 514.4  | 513.4  |
| 60°    | 479.1  | 481.9  | 484.7  | 483.8  | 481.7  | 480.0  | 478.6  | 477.7  | 478.4  | 479.1  | 478.4  |
| 62.5°  | 444.5  | 447.3  | 450.1  | 449.0  | 446.6  | 444.7  | 443.3  | 442.5  | 443.2  | 443.9  | 443.2  |
| 65°    | 391.8  | 394.2  | 396.7  | 395.7  | 393.6  | 391.9  | 390.5  | 389.5  | 389.9  | 390.2  | 389.9  |
| 67.5°  | 338.6  | 340.7  | 342.8  | 341.8  | 339.8  | 337.8  | 335.7  | 334.3  | 334.9  | 335.5  | 334.9  |
| 70°    | 302.1  | 304.2  | 306.3  | 305.5  | 303.8  | 302.0  | 300.3  | 299.0  | 299.0  | 299.0  | 299.0  |
| 72.5°  | 266.9  | 268.7  | 270.5  | 269.4  | 267.4  | 265.7  | 264.2  | 263.1  | 263.1  | 263.1  | 263.1  |
| 75°    | 213.2  | 214.3  | 215.3  | 214.8  | 213.7  | 212.3  | 210.6  | 209.2  | 208.8  | 208.5  | 208.8  |
| 77.5°  | 161.4  | 161.4  | 161.4  | 160.4  | 159.1  | 157.8  | 156.5  | 155.4  | 154.9  | 154.5  | 154.9  |
| 80°    | 127.5  | 127.5  | 127.5  | 126.7  | 125.6  | 124.6  | 123.5  | 122.6  | 121.9  | 121.2  | 121.9  |
| 82.5°  | 96.0   | 95.4   | 94.9   | 93.9   | 92.9   | 91.6   | 89.9   | 88.9   | 89.6   | 90.3   | 89.6   |
| 85°    | 51.1   | 50.4   | 49.7   | 48.8   | 47.7   | 46.5   | 45.1   | 44.0   | 43.6   | 43.3   | 43.6   |
| 87.5°  | 15.9   | 15.7   | 15.5   | 15.0   | 14.4   | 13.4   | 12.3   | 11.5   | 11.3   | 11.0   | 11.3   |
| 90°    | 1.1    | 2.5    | 4.3    | 5.7    | 6.7    | 7.1    | 7.1    | 7.4    | 7.8    | 7.8    | 7.8    |
| 92.5°  | 3.9    | 6.2    | 6.2    | 6.2    | 7.6    | 8.2    | 8.8    | 8.9    | 9.2    | 9.2    | 9.2    |
| 95°    | 11.0   | 12.0   | 18.1   | 17.7   | 12.0   | 9.6    | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    |
| 97.5°  | 21.0   | 22.5   | 23.5   | 31.5   | 33.3   | 32.2   | 26.2   | 22.0   | 19.7   | 18.6   | 19.7   |
| 100°   | 29.8   | 30.5   | 32.6   | 32.9   | 41.8   | 50.3   | 46.0   | 40.7   | 39.0   | 37.9   | 39.0   |
| 102.5° | 38.5   | 39.0   | 42.2   | 43.7   | 45.8   | 50.6   | 65.3   | 63.7   | 62.5   | 62.3   | 62.5   |
| 105°   | 51.7   | 52.1   | 58.1   | 60.9   | 62.3   | 62.3   | 62.0   | 69.1   | 80.4   | 82.9   | 80.4   |
| 107.5° | 65.8   | 67.4   | 74.5   | 82.1   | 83.7   | 84.2   | 82.3   | 81.3   | 80.8   | 81.1   | 80.8   |
| 110°   | 75.4   | 77.9   | 86.4   | 96.0   | 98.5   | 99.2   | 98.5   | 97.4   | 96.7   | 96.7   | 96.7   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 84.8  | 88.4  | 98.0  | 109.0 | 113.2 | 115.3 | 113.8 | 113.0 | 112.3 | 112.9 | 112.3 |
| 115°   | 99.2  | 104.5 | 117.2 | 128.6 | 137.1 | 138.1 | 137.8 | 137.8 | 137.4 | 137.4 | 137.4 |
| 117.5° | 112.5 | 121.0 | 135.3 | 148.5 | 158.3 | 161.2 | 162.6 | 162.2 | 161.7 | 162.4 | 161.7 |
| 120°   | 121.9 | 131.8 | 148.1 | 162.9 | 172.5 | 176.8 | 178.2 | 177.5 | 178.2 | 177.5 | 178.2 |
| 122.5° | 131.8 | 144.0 | 160.0 | 175.4 | 186.7 | 191.5 | 193.2 | 193.3 | 193.5 | 193.1 | 193.5 |
| 125°   | 146.6 | 161.5 | 180.3 | 196.2 | 207.9 | 213.6 | 215.0 | 215.4 | 216.1 | 217.8 | 216.1 |
| 127.5° | 161.7 | 178.5 | 199.1 | 214.5 | 226.5 | 233.4 | 235.6 | 236.3 | 237.8 | 238.6 | 237.8 |
| 130°   | 172.2 | 191.3 | 212.2 | 226.7 | 238.4 | 245.8 | 249.7 | 250.8 | 252.6 | 252.2 | 252.6 |
| 132.5° | 183.2 | 203.2 | 224.4 | 239.5 | 250.3 | 258.3 | 261.6 | 264.7 | 265.3 | 265.8 | 265.3 |
| 135°   | 199.4 | 221.0 | 242.3 | 257.2 | 267.4 | 275.2 | 279.5 | 282.3 | 284.1 | 285.1 | 284.1 |
| 137.5° | 216.5 | 239.3 | 259.7 | 273.0 | 283.3 | 290.0 | 294.9 | 297.8 | 299.7 | 300.5 | 299.7 |
| 140°   | 228.1 | 250.1 | 269.9 | 283.7 | 292.9 | 299.7 | 303.9 | 307.5 | 309.6 | 309.6 | 309.6 |
| 142.5° | 239.2 | 260.9 | 280.1 | 293.9 | 302.0 | 308.2 | 312.7 | 315.4 | 317.8 | 317.8 | 317.8 |
| 145°   | 254.7 | 276.3 | 294.0 | 307.8 | 314.6 | 320.2 | 325.2 | 327.3 | 328.7 | 328.7 | 328.7 |
| 147.5° | 270.9 | 290.0 | 306.2 | 319.4 | 325.1 | 331.8 | 335.7 | 337.4 | 339.1 | 338.4 | 339.1 |
| 150°   | 280.5 | 298.3 | 313.8 | 326.2 | 331.9 | 338.3 | 342.2 | 343.6 | 345.4 | 344.3 | 345.4 |
| 152.5° | 289.9 | 306.8 | 320.9 | 332.5 | 337.3 | 343.7 | 348.1 | 349.5 | 350.8 | 350.0 | 350.8 |
| 155°   | 302.5 | 317.4 | 330.5 | 341.1 | 345.4 | 351.4 | 355.6 | 357.4 | 358.8 | 357.1 | 358.8 |
| 157.5° | 313.8 | 326.6 | 338.0 | 347.8 | 352.3 | 357.5 | 361.4 | 363.6 | 365.1 | 364.3 | 365.1 |
| 160°   | 320.6 | 332.3 | 342.5 | 351.7 | 356.0 | 360.6 | 364.9 | 367.3 | 368.7 | 367.7 | 368.7 |
| 162.5° | 326.2 | 336.8 | 346.5 | 354.9 | 358.5 | 362.6 | 367.7 | 369.9 | 371.3 | 370.0 | 371.3 |
| 165°   | 334.4 | 342.9 | 351.4 | 358.5 | 361.7 | 364.9 | 370.2 | 372.6 | 373.7 | 372.3 | 373.7 |
| 167.5° | 340.6 | 347.1 | 353.9 | 360.0 | 362.4 | 365.5 | 370.8 | 372.9 | 374.2 | 372.4 | 374.2 |
| 170°   | 344.0 | 349.6 | 355.6 | 360.6 | 362.4 | 365.2 | 370.5 | 372.3 | 373.4 | 371.6 | 373.4 |
| 172.5° | 346.8 | 351.0 | 355.9 | 360.3 | 361.2 | 363.5 | 368.5 | 370.3 | 371.1 | 369.6 | 371.1 |
| 175°   | 349.6 | 352.1 | 355.6 | 358.5 | 358.1 | 359.5 | 363.8 | 365.2 | 366.6 | 364.5 | 366.6 |
| 177.5° | 351.0 | 352.1 | 353.2 | 354.9 | 353.8 | 353.8 | 356.9 | 357.8 | 358.0 | 356.9 | 358.0 |
| 180°   | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 |
| 2.5°   | 1115.4 | 1114.4 | 1113.3 | 1115.1 | 1119.9 | 1122.1 | 1116.8 | 1111.5 | 1116.8 | 1122.1 | 1119.9 |
| 5°     | 1111.7 | 1110.3 | 1109.6 | 1112.1 | 1117.7 | 1120.1 | 1113.1 | 1106.1 | 1113.1 | 1120.1 | 1117.7 |
| 7.5°   | 1103.7 | 1102.2 | 1101.4 | 1103.6 | 1108.9 | 1111.2 | 1104.2 | 1097.2 | 1104.2 | 1111.2 | 1108.9 |
| 10°    | 1096.6 | 1094.9 | 1093.5 | 1095.6 | 1101.2 | 1103.6 | 1096.6 | 1089.6 | 1096.6 | 1103.6 | 1101.2 |
| 12.5°  | 1087.2 | 1085.8 | 1085.0 | 1087.1 | 1092.1 | 1094.2 | 1087.2 | 1080.2 | 1087.2 | 1094.2 | 1092.1 |
| 15°    | 1070.7 | 1069.2 | 1068.1 | 1070.0 | 1074.9 | 1076.9 | 1069.9 | 1062.9 | 1069.9 | 1076.9 | 1074.9 |
| 17.5°  | 1049.8 | 1048.3 | 1047.1 | 1048.8 | 1053.3 | 1055.1 | 1048.5 | 1041.9 | 1048.5 | 1055.1 | 1053.3 |
| 20°    | 1032.8 | 1031.9 | 1031.6 | 1033.7 | 1038.2 | 1040.1 | 1033.8 | 1027.5 | 1033.8 | 1040.1 | 1038.2 |
| 22.5°  | 1013.4 | 1013.3 | 1014.0 | 1016.5 | 1020.8 | 1022.4 | 1016.1 | 1009.8 | 1016.1 | 1022.4 | 1020.8 |
| 25°    | 984.0  | 984.2  | 985.2  | 987.7  | 991.5  | 992.9  | 986.6  | 980.3  | 986.6  | 992.9  | 991.5  |
| 27.5°  | 952.9  | 952.9  | 953.6  | 955.6  | 958.8  | 959.9  | 954.7  | 949.4  | 954.7  | 959.9  | 958.8  |
| 30°    | 929.6  | 929.7  | 930.4  | 932.4  | 935.9  | 937.3  | 932.0  | 926.8  | 932.0  | 937.3  | 935.9  |
| 32.5°  | 905.1  | 904.7  | 904.8  | 906.9  | 911.0  | 912.8  | 907.8  | 902.9  | 907.8  | 912.8  | 911.0  |
| 35°    | 867.4  | 866.7  | 866.4  | 868.1  | 872.0  | 873.8  | 869.6  | 865.4  | 869.6  | 873.8  | 872.0  |
| 37.5°  | 827.2  | 826.9  | 827.0  | 828.8  | 832.4  | 834.2  | 831.0  | 827.8  | 831.0  | 834.2  | 832.4  |
| 40°    | 799.0  | 798.8  | 799.1  | 801.2  | 805.1  | 807.1  | 803.6  | 800.1  | 803.6  | 807.1  | 805.1  |
| 42.5°  | 771.1  | 770.7  | 770.5  | 772.0  | 775.3  | 777.1  | 774.4  | 771.8  | 774.4  | 777.1  | 775.3  |
| 45°    | 726.3  | 726.2  | 726.2  | 727.7  | 730.9  | 732.6  | 730.2  | 727.7  | 730.2  | 732.6  | 730.9  |
| 47.5°  | 679.7  | 679.7  | 680.2  | 681.6  | 684.0  | 685.4  | 683.5  | 681.6  | 683.5  | 685.4  | 684.0  |
| 50°    | 647.0  | 647.2  | 647.9  | 649.5  | 651.9  | 653.2  | 650.7  | 648.3  | 650.7  | 653.2  | 651.9  |
| 52.5°  | 614.2  | 614.7  | 615.7  | 617.4  | 619.8  | 621.0  | 618.3  | 615.5  | 618.3  | 621.0  | 619.8  |
| 55°    | 564.3  | 565.1  | 566.5  | 568.3  | 570.4  | 571.2  | 568.0  | 564.9  | 568.0  | 571.2  | 570.4  |
| 57.5°  | 512.4  | 513.4  | 515.1  | 516.8  | 518.7  | 519.3  | 516.2  | 513.1  | 516.2  | 519.3  | 518.7  |
| 60°    | 477.7  | 478.6  | 480.0  | 481.7  | 483.8  | 484.7  | 481.9  | 479.1  | 481.9  | 484.7  | 483.8  |
| 62.5°  | 442.5  | 443.3  | 444.7  | 446.6  | 449.0  | 450.1  | 447.3  | 444.5  | 447.3  | 450.1  | 449.0  |
| 65°    | 389.5  | 390.5  | 391.9  | 393.6  | 395.7  | 396.7  | 394.2  | 391.8  | 394.2  | 396.7  | 395.7  |
| 67.5°  | 334.3  | 335.7  | 337.8  | 339.8  | 341.8  | 342.8  | 340.7  | 338.6  | 340.7  | 342.8  | 341.8  |
| 70°    | 299.0  | 300.3  | 302.0  | 303.8  | 305.5  | 306.3  | 304.2  | 302.1  | 304.2  | 306.3  | 305.5  |
| 72.5°  | 263.1  | 264.2  | 265.7  | 267.4  | 269.4  | 270.5  | 268.7  | 266.9  | 268.7  | 270.5  | 269.4  |
| 75°    | 209.2  | 210.6  | 212.3  | 213.7  | 214.8  | 215.3  | 214.3  | 213.2  | 214.3  | 215.3  | 214.8  |
| 77.5°  | 155.4  | 156.5  | 157.8  | 159.1  | 160.4  | 161.4  | 161.4  | 161.4  | 161.4  | 161.4  | 160.4  |
| 80°    | 122.6  | 123.5  | 124.6  | 125.6  | 126.7  | 127.5  | 127.5  | 127.5  | 127.5  | 127.5  | 126.7  |
| 82.5°  | 88.9   | 89.9   | 91.6   | 92.9   | 93.9   | 94.9   | 95.4   | 96.0   | 95.4   | 94.9   | 93.9   |
| 85°    | 44.0   | 45.1   | 46.5   | 47.7   | 48.8   | 49.7   | 50.4   | 51.1   | 50.4   | 49.7   | 48.8   |
| 87.5°  | 11.5   | 12.3   | 13.4   | 14.4   | 15.0   | 15.5   | 15.7   | 15.9   | 15.7   | 15.4   | 15.1   |
| 90°    | 7.4    | 7.1    | 7.1    | 6.7    | 5.7    | 4.3    | 2.5    | 1.1    | 2.5    | 3.9    | 6.4    |
| 92.5°  | 8.9    | 8.8    | 8.2    | 7.6    | 6.2    | 6.2    | 6.2    | 3.9    | 6.7    | 9.6    | 13.7   |
| 95°    | 8.1    | 8.1    | 9.6    | 12.0   | 17.7   | 18.1   | 12.0   | 11.0   | 15.6   | 22.0   | 27.6   |
| 97.5°  | 22.0   | 26.2   | 32.2   | 33.3   | 31.5   | 23.5   | 22.5   | 21.0   | 28.6   | 34.9   | 44.0   |
| 100°   | 40.7   | 46.0   | 50.3   | 41.8   | 32.9   | 32.6   | 30.5   | 29.8   | 37.9   | 43.9   | 52.8   |
| 102.5° | 63.7   | 65.3   | 50.6   | 45.8   | 43.7   | 42.2   | 39.0   | 38.5   | 46.7   | 55.0   | 62.4   |
| 105°   | 69.1   | 62.0   | 62.3   | 62.3   | 60.9   | 58.1   | 52.1   | 51.7   | 60.9   | 70.5   | 79.7   |
| 107.5° | 81.3   | 82.3   | 84.2   | 83.7   | 82.1   | 74.5   | 67.4   | 65.8   | 74.1   | 85.6   | 95.7   |
| 110°   | 97.4   | 98.5   | 99.2   | 98.5   | 96.0   | 86.4   | 77.9   | 75.4   | 82.9   | 94.9   | 105.9  |



TEST NUMBER: P1427686

CATALOG NUMBER: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 113.0 | 113.8 | 115.3 | 113.2 | 109.0 | 98.0  | 88.4  | 84.8  | 92.2  | 104.6 | 115.8 |
| 115°   | 137.8 | 137.8 | 138.1 | 137.1 | 128.6 | 117.2 | 104.5 | 99.2  | 105.6 | 116.9 | 129.3 |
| 117.5° | 162.2 | 162.6 | 161.2 | 158.3 | 148.5 | 135.3 | 121.0 | 112.5 | 117.5 | 129.5 | 142.3 |
| 120°   | 177.5 | 178.2 | 176.8 | 172.5 | 162.9 | 148.1 | 131.8 | 121.9 | 125.7 | 137.4 | 150.2 |
| 122.5° | 193.3 | 193.2 | 191.5 | 186.7 | 175.4 | 160.0 | 144.0 | 131.8 | 133.4 | 144.2 | 156.7 |
| 125°   | 215.4 | 215.0 | 213.6 | 207.9 | 196.2 | 180.3 | 161.5 | 146.6 | 144.5 | 153.7 | 166.5 |
| 127.5° | 236.3 | 235.6 | 233.4 | 226.5 | 214.5 | 199.1 | 178.5 | 161.7 | 156.9 | 162.7 | 174.4 |
| 130°   | 250.8 | 249.7 | 245.8 | 238.4 | 226.7 | 212.2 | 191.3 | 172.2 | 165.4 | 169.0 | 179.2 |
| 132.5° | 264.7 | 261.6 | 258.3 | 250.3 | 239.5 | 224.4 | 203.2 | 183.2 | 173.9 | 175.5 | 183.5 |
| 135°   | 282.3 | 279.5 | 275.2 | 267.4 | 257.2 | 242.3 | 221.0 | 199.4 | 186.7 | 185.3 | 189.9 |
| 137.5° | 297.8 | 294.9 | 290.0 | 283.3 | 273.0 | 259.7 | 239.3 | 216.5 | 200.4 | 195.7 | 197.4 |
| 140°   | 307.5 | 303.9 | 299.7 | 292.9 | 283.7 | 269.9 | 250.1 | 228.1 | 210.1 | 203.3 | 202.3 |
| 142.5° | 315.4 | 312.7 | 308.2 | 302.0 | 293.9 | 280.1 | 260.9 | 239.2 | 220.0 | 211.3 | 208.8 |
| 145°   | 327.3 | 325.2 | 320.2 | 314.6 | 307.8 | 294.0 | 276.3 | 254.7 | 235.6 | 224.2 | 218.9 |
| 147.5° | 337.4 | 335.7 | 331.8 | 325.1 | 319.4 | 306.2 | 290.0 | 270.9 | 251.3 | 237.3 | 230.4 |
| 150°   | 343.6 | 342.2 | 338.3 | 331.9 | 326.2 | 313.8 | 298.3 | 280.5 | 261.8 | 246.9 | 238.0 |
| 152.5° | 349.5 | 348.1 | 343.7 | 337.3 | 332.5 | 320.9 | 306.8 | 289.9 | 270.8 | 256.0 | 246.8 |
| 155°   | 357.4 | 355.6 | 351.4 | 345.4 | 341.1 | 330.5 | 317.4 | 302.5 | 286.2 | 270.6 | 260.4 |
| 157.5° | 363.6 | 361.4 | 357.5 | 352.3 | 347.8 | 338.0 | 326.6 | 313.8 | 299.5 | 284.7 | 274.2 |
| 160°   | 367.3 | 364.9 | 360.6 | 356.0 | 351.7 | 342.5 | 332.3 | 320.6 | 307.5 | 294.0 | 282.7 |
| 162.5° | 369.9 | 367.7 | 362.6 | 358.5 | 354.9 | 346.5 | 336.8 | 326.2 | 314.6 | 302.8 | 292.3 |
| 165°   | 372.6 | 370.2 | 364.9 | 361.7 | 358.5 | 351.4 | 342.9 | 334.4 | 324.5 | 314.9 | 306.4 |
| 167.5° | 372.9 | 370.8 | 365.5 | 362.4 | 360.0 | 353.9 | 347.1 | 340.6 | 332.8 | 325.3 | 318.2 |
| 170°   | 372.3 | 370.5 | 365.2 | 362.4 | 360.6 | 355.6 | 349.6 | 344.0 | 337.9 | 331.6 | 325.9 |
| 172.5° | 370.3 | 368.5 | 363.5 | 361.2 | 360.3 | 355.9 | 351.0 | 346.8 | 341.6 | 336.9 | 332.4 |
| 175°   | 365.2 | 363.8 | 359.5 | 358.1 | 358.5 | 355.6 | 352.1 | 349.6 | 346.4 | 343.6 | 341.1 |
| 177.5° | 357.8 | 356.9 | 353.8 | 353.8 | 354.9 | 353.2 | 352.1 | 351.0 | 349.5 | 348.7 | 347.8 |
| 180°   | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



TEST NUMBER: P1427686

CATALOG NUMBER: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 | 1117.2 |
| 2.5°   | 1115.1 | 1113.3 | 1114.4 | 1115.4 | 1116.0 | 1116.5 | 1116.0 | 1115.4 | 1114.4 | 1113.3 | 1115.1 |
| 5°     | 1112.1 | 1109.6 | 1110.3 | 1111.7 | 1115.2 | 1118.7 | 1115.2 | 1111.7 | 1110.3 | 1109.6 | 1112.1 |
| 7.5°   | 1103.6 | 1101.4 | 1102.2 | 1103.7 | 1107.4 | 1111.0 | 1107.4 | 1103.7 | 1102.2 | 1101.4 | 1103.6 |
| 10°    | 1095.6 | 1093.5 | 1094.9 | 1096.6 | 1099.4 | 1102.2 | 1099.4 | 1096.6 | 1094.9 | 1093.5 | 1095.6 |
| 12.5°  | 1087.1 | 1085.0 | 1085.8 | 1087.2 | 1090.3 | 1093.4 | 1090.3 | 1087.2 | 1085.8 | 1085.0 | 1087.1 |
| 15°    | 1070.0 | 1068.1 | 1069.2 | 1070.7 | 1073.4 | 1076.2 | 1073.4 | 1070.7 | 1069.2 | 1068.1 | 1070.0 |
| 17.5°  | 1048.8 | 1047.1 | 1048.3 | 1049.8 | 1052.2 | 1054.7 | 1052.2 | 1049.8 | 1048.3 | 1047.1 | 1048.8 |
| 20°    | 1033.7 | 1031.6 | 1031.9 | 1032.8 | 1035.2 | 1037.7 | 1035.2 | 1032.8 | 1031.9 | 1031.6 | 1033.7 |
| 22.5°  | 1016.5 | 1014.0 | 1013.3 | 1013.4 | 1016.4 | 1019.4 | 1016.4 | 1013.4 | 1013.3 | 1014.0 | 1016.5 |
| 25°    | 987.7  | 985.2  | 984.2  | 984.0  | 986.5  | 988.9  | 986.5  | 984.0  | 984.2  | 985.2  | 987.7  |
| 27.5°  | 955.6  | 953.6  | 952.9  | 952.9  | 954.6  | 956.3  | 954.6  | 952.9  | 952.9  | 953.6  | 955.6  |
| 30°    | 932.4  | 930.4  | 929.7  | 929.6  | 931.3  | 933.1  | 931.3  | 929.6  | 929.7  | 930.4  | 932.4  |
| 32.5°  | 906.9  | 904.8  | 904.7  | 905.1  | 907.1  | 909.1  | 907.1  | 905.1  | 904.7  | 904.8  | 906.9  |
| 35°    | 868.1  | 866.4  | 866.7  | 867.4  | 869.2  | 870.9  | 869.2  | 867.4  | 866.7  | 866.4  | 868.1  |
| 37.5°  | 828.8  | 827.0  | 826.9  | 827.2  | 828.7  | 830.2  | 828.7  | 827.2  | 826.9  | 827.0  | 828.8  |
| 40°    | 801.2  | 799.1  | 798.8  | 799.0  | 800.7  | 802.5  | 800.7  | 799.0  | 798.8  | 799.1  | 801.2  |
| 42.5°  | 772.0  | 770.5  | 770.7  | 771.1  | 772.0  | 772.9  | 772.0  | 771.1  | 770.7  | 770.5  | 772.0  |
| 45°    | 727.7  | 726.2  | 726.2  | 726.3  | 727.0  | 727.7  | 727.0  | 726.3  | 726.2  | 726.2  | 727.7  |
| 47.5°  | 681.6  | 680.2  | 679.7  | 679.7  | 680.8  | 681.9  | 680.8  | 679.7  | 679.7  | 680.2  | 681.6  |
| 50°    | 649.5  | 647.9  | 647.2  | 647.0  | 648.4  | 649.8  | 648.4  | 647.0  | 647.2  | 647.9  | 649.5  |
| 52.5°  | 617.4  | 615.7  | 614.7  | 614.2  | 615.4  | 616.5  | 615.4  | 614.2  | 614.7  | 615.7  | 617.4  |
| 55°    | 568.3  | 566.5  | 565.1  | 564.3  | 565.0  | 565.7  | 565.0  | 564.3  | 565.1  | 566.5  | 568.3  |
| 57.5°  | 516.8  | 515.1  | 513.4  | 512.4  | 513.4  | 514.4  | 513.4  | 512.4  | 513.4  | 515.1  | 516.8  |
| 60°    | 481.7  | 480.0  | 478.6  | 477.7  | 478.4  | 479.1  | 478.4  | 477.7  | 478.6  | 480.0  | 481.7  |
| 62.5°  | 446.6  | 444.7  | 443.3  | 442.5  | 443.2  | 443.9  | 443.2  | 442.5  | 443.3  | 444.7  | 446.6  |
| 65°    | 393.6  | 391.9  | 390.5  | 389.5  | 389.9  | 390.2  | 389.9  | 389.5  | 390.5  | 391.9  | 393.6  |
| 67.5°  | 339.8  | 337.8  | 335.7  | 334.3  | 334.9  | 335.5  | 334.9  | 334.3  | 335.7  | 337.8  | 339.8  |
| 70°    | 303.8  | 302.0  | 300.3  | 299.0  | 299.0  | 299.0  | 299.0  | 299.0  | 300.3  | 302.0  | 303.8  |
| 72.5°  | 267.4  | 265.7  | 264.2  | 263.1  | 263.1  | 263.1  | 263.1  | 263.1  | 264.2  | 265.7  | 267.4  |
| 75°    | 213.7  | 212.3  | 210.6  | 209.2  | 208.8  | 208.5  | 208.8  | 209.2  | 210.6  | 212.3  | 213.7  |
| 77.5°  | 159.1  | 157.8  | 156.5  | 155.4  | 154.9  | 154.5  | 154.9  | 155.4  | 156.5  | 157.8  | 159.1  |
| 80°    | 125.6  | 124.6  | 123.5  | 122.6  | 121.9  | 121.2  | 121.9  | 122.6  | 123.5  | 124.6  | 125.6  |
| 82.5°  | 92.9   | 91.6   | 89.9   | 88.9   | 89.6   | 90.3   | 89.6   | 88.9   | 89.9   | 91.6   | 92.9   |
| 85°    | 47.7   | 46.5   | 45.1   | 44.0   | 43.6   | 43.3   | 43.6   | 44.0   | 45.1   | 46.5   | 47.7   |
| 87.5°  | 14.6   | 14.2   | 13.5   | 12.9   | 12.9   | 12.5   | 12.9   | 12.9   | 13.5   | 14.2   | 14.6   |
| 90°    | 8.1    | 10.6   | 13.1   | 14.5   | 15.9   | 15.2   | 15.9   | 14.5   | 13.1   | 10.6   | 8.1    |
| 92.5°  | 16.4   | 20.5   | 23.6   | 26.1   | 27.3   | 27.1   | 27.3   | 26.1   | 23.6   | 20.5   | 16.4   |
| 95°    | 32.9   | 37.9   | 42.9   | 46.4   | 48.5   | 47.8   | 48.5   | 46.4   | 42.9   | 37.9   | 32.9   |
| 97.5°  | 50.8   | 57.5   | 63.0   | 66.3   | 68.4   | 69.9   | 68.4   | 66.3   | 63.0   | 57.5   | 50.8   |
| 100°   | 62.7   | 69.1   | 75.4   | 79.3   | 82.9   | 84.3   | 82.9   | 79.3   | 75.4   | 69.1   | 62.7   |
| 102.5° | 72.3   | 80.7   | 87.6   | 91.8   | 94.8   | 96.2   | 94.8   | 91.8   | 87.6   | 80.7   | 72.3   |
| 105°   | 88.2   | 97.1   | 104.5  | 109.8  | 113.0  | 114.1  | 113.0  | 109.8  | 104.5  | 97.1   | 88.2   |
| 107.5° | 104.1  | 113.2  | 120.1  | 126.0  | 129.9  | 132.1  | 129.9  | 126.0  | 120.1  | 113.2  | 104.1  |
| 110°   | 116.5  | 124.0  | 131.4  | 136.7  | 140.6  | 142.0  | 140.6  | 136.7  | 131.4  | 124.0  | 116.5  |



TEST NUMBER: P1427686

CATALOG NUMBER: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 127.0 | 135.3 | 142.8 | 148.1 | 152.5 | 154.5 | 152.5 | 148.1 | 142.8 | 135.3 | 127.0 |
| 115°   | 141.7 | 152.7 | 159.4 | 164.4 | 167.5 | 169.3 | 167.5 | 164.4 | 159.4 | 152.7 | 141.7 |
| 117.5° | 153.9 | 165.4 | 172.7 | 176.5 | 178.0 | 179.3 | 178.0 | 176.5 | 172.7 | 165.4 | 153.9 |
| 120°   | 161.5 | 172.2 | 180.7 | 185.6 | 187.4 | 188.1 | 187.4 | 185.6 | 180.7 | 172.2 | 161.5 |
| 122.5° | 168.6 | 178.7 | 186.9 | 193.0 | 195.9 | 196.6 | 195.9 | 193.0 | 186.9 | 178.7 | 168.6 |
| 125°   | 178.5 | 188.1 | 196.6 | 202.6 | 205.8 | 207.6 | 205.8 | 202.6 | 196.6 | 188.1 | 178.5 |
| 127.5° | 187.2 | 197.5 | 205.3 | 210.8 | 213.9 | 215.3 | 213.9 | 210.8 | 205.3 | 197.5 | 187.2 |
| 130°   | 192.0 | 202.6 | 210.4 | 216.4 | 219.3 | 220.7 | 219.3 | 216.4 | 210.4 | 202.6 | 192.0 |
| 132.5° | 195.7 | 206.9 | 214.9 | 220.4 | 223.5 | 224.9 | 223.5 | 220.4 | 214.9 | 206.9 | 195.7 |
| 135°   | 200.1 | 211.8 | 220.3 | 225.6 | 228.5 | 229.9 | 228.5 | 225.6 | 220.3 | 211.8 | 200.1 |
| 137.5° | 204.0 | 214.7 | 223.5 | 229.1 | 231.7 | 232.6 | 231.7 | 229.1 | 223.5 | 214.7 | 204.0 |
| 140°   | 206.9 | 216.1 | 224.9 | 230.2 | 233.1 | 233.4 | 233.1 | 230.2 | 224.9 | 216.1 | 206.9 |
| 142.5° | 210.6 | 217.8 | 225.5 | 230.8 | 233.6 | 234.3 | 233.6 | 230.8 | 225.5 | 217.8 | 210.6 |
| 145°   | 217.1 | 221.4 | 226.7 | 231.7 | 234.1 | 234.9 | 234.1 | 231.7 | 226.7 | 221.4 | 217.1 |
| 147.5° | 225.4 | 226.8 | 229.5 | 232.8 | 235.2 | 235.7 | 235.2 | 232.8 | 229.5 | 226.8 | 225.4 |
| 150°   | 231.7 | 231.3 | 232.4 | 234.5 | 236.6 | 236.3 | 236.6 | 234.5 | 232.4 | 231.3 | 231.7 |
| 152.5° | 238.7 | 236.7 | 236.6 | 237.6 | 238.6 | 238.5 | 238.6 | 237.6 | 236.6 | 236.7 | 238.7 |
| 155°   | 250.8 | 246.9 | 244.8 | 244.1 | 244.1 | 243.7 | 244.1 | 244.1 | 244.8 | 246.9 | 250.8 |
| 157.5° | 264.0 | 258.6 | 255.4 | 253.7 | 253.2 | 252.4 | 253.2 | 253.7 | 255.4 | 258.6 | 264.0 |
| 160°   | 273.1 | 267.1 | 263.9 | 261.1 | 260.0 | 258.9 | 260.0 | 261.1 | 263.9 | 267.1 | 273.1 |
| 162.5° | 281.6 | 275.9 | 272.4 | 269.8 | 268.8 | 267.2 | 268.8 | 269.8 | 272.4 | 275.9 | 281.6 |
| 165°   | 295.4 | 289.4 | 285.5 | 283.4 | 282.0 | 280.5 | 282.0 | 283.4 | 285.5 | 289.4 | 295.4 |
| 167.5° | 309.2 | 302.6 | 300.1 | 297.7 | 296.3 | 293.8 | 296.3 | 297.7 | 300.1 | 302.6 | 309.2 |
| 170°   | 317.7 | 311.7 | 310.3 | 308.2 | 305.7 | 302.9 | 305.7 | 308.2 | 310.3 | 311.7 | 317.7 |
| 172.5° | 325.1 | 321.1 | 319.7 | 317.5 | 316.7 | 314.5 | 316.7 | 317.5 | 319.7 | 321.1 | 325.1 |
| 175°   | 335.8 | 332.6 | 332.6 | 332.3 | 331.2 | 329.1 | 331.2 | 332.3 | 332.6 | 332.6 | 335.8 |
| 177.5° | 344.7 | 343.0 | 344.2 | 344.2 | 343.9 | 341.9 | 343.9 | 344.2 | 344.2 | 343.0 | 344.7 |
| 180°   | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 | 350.7 |



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CATALOG NUMBER: SQ2W-F-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1117.2 | 1117.2 | 1117.2 | 1117.2 |
| 2.5°   | 1119.9 | 1122.1 | 1116.8 | 1111.5 |
| 5°     | 1117.7 | 1120.1 | 1113.1 | 1106.1 |
| 7.5°   | 1108.9 | 1111.2 | 1104.2 | 1097.2 |
| 10°    | 1101.2 | 1103.6 | 1096.6 | 1089.6 |
| 12.5°  | 1092.1 | 1094.2 | 1087.2 | 1080.2 |
| 15°    | 1074.9 | 1076.9 | 1069.9 | 1062.9 |
| 17.5°  | 1053.3 | 1055.1 | 1048.5 | 1041.9 |
| 20°    | 1038.2 | 1040.1 | 1033.8 | 1027.5 |
| 22.5°  | 1020.8 | 1022.4 | 1016.1 | 1009.8 |
| 25°    | 991.5  | 992.9  | 986.6  | 980.3  |
| 27.5°  | 958.8  | 959.9  | 954.7  | 949.4  |
| 30°    | 935.9  | 937.3  | 932.0  | 926.8  |
| 32.5°  | 911.0  | 912.8  | 907.8  | 902.9  |
| 35°    | 872.0  | 873.8  | 869.6  | 865.4  |
| 37.5°  | 832.4  | 834.2  | 831.0  | 827.8  |
| 40°    | 805.1  | 807.1  | 803.6  | 800.1  |
| 42.5°  | 775.3  | 777.1  | 774.4  | 771.8  |
| 45°    | 730.9  | 732.6  | 730.2  | 727.7  |
| 47.5°  | 684.0  | 685.4  | 683.5  | 681.6  |
| 50°    | 651.9  | 653.2  | 650.7  | 648.3  |
| 52.5°  | 619.8  | 621.0  | 618.3  | 615.5  |
| 55°    | 570.4  | 571.2  | 568.0  | 564.9  |
| 57.5°  | 518.7  | 519.3  | 516.2  | 513.1  |
| 60°    | 483.8  | 484.7  | 481.9  | 479.1  |
| 62.5°  | 449.0  | 450.1  | 447.3  | 444.5  |
| 65°    | 395.7  | 396.7  | 394.2  | 391.8  |
| 67.5°  | 341.8  | 342.8  | 340.7  | 338.6  |
| 70°    | 305.5  | 306.3  | 304.2  | 302.1  |
| 72.5°  | 269.4  | 270.5  | 268.7  | 266.9  |
| 75°    | 214.8  | 215.3  | 214.3  | 213.2  |
| 77.5°  | 160.4  | 161.4  | 161.4  | 161.4  |
| 80°    | 126.7  | 127.5  | 127.5  | 127.5  |
| 82.5°  | 93.9   | 94.9   | 95.4   | 96.0   |
| 85°    | 48.8   | 49.7   | 50.4   | 51.1   |
| 87.5°  | 15.1   | 15.4   | 15.7   | 15.9   |
| 90°    | 6.4    | 3.9    | 2.5    | 1.1    |
| 92.5°  | 13.7   | 9.6    | 6.7    | 3.9    |
| 95°    | 27.6   | 22.0   | 15.6   | 11.0   |
| 97.5°  | 44.0   | 34.9   | 28.6   | 21.0   |
| 100°   | 52.8   | 43.9   | 37.9   | 29.8   |
| 102.5° | 62.4   | 55.0   | 46.7   | 38.5   |
| 105°   | 79.7   | 70.5   | 60.9   | 51.7   |
| 107.5° | 95.7   | 85.6   | 74.1   | 65.8   |
| 110°   | 105.9  | 94.9   | 82.9   | 75.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 115.8 | 104.6 | 92.2  | 84.8  |
| 115°   | 129.3 | 116.9 | 105.6 | 99.2  |
| 117.5° | 142.3 | 129.5 | 117.5 | 112.5 |
| 120°   | 150.2 | 137.4 | 125.7 | 121.9 |
| 122.5° | 156.7 | 144.2 | 133.4 | 131.8 |
| 125°   | 166.5 | 153.7 | 144.5 | 146.6 |
| 127.5° | 174.4 | 162.7 | 156.9 | 161.7 |
| 130°   | 179.2 | 169.0 | 165.4 | 172.2 |
| 132.5° | 183.5 | 175.5 | 173.9 | 183.2 |
| 135°   | 189.9 | 185.3 | 186.7 | 199.4 |
| 137.5° | 197.4 | 195.7 | 200.4 | 216.5 |
| 140°   | 202.3 | 203.3 | 210.1 | 228.1 |
| 142.5° | 208.8 | 211.3 | 220.0 | 239.2 |
| 145°   | 218.9 | 224.2 | 235.6 | 254.7 |
| 147.5° | 230.4 | 237.3 | 251.3 | 270.9 |
| 150°   | 238.0 | 246.9 | 261.8 | 280.5 |
| 152.5° | 246.8 | 256.0 | 270.8 | 289.9 |
| 155°   | 260.4 | 270.6 | 286.2 | 302.5 |
| 157.5° | 274.2 | 284.7 | 299.5 | 313.8 |
| 160°   | 282.7 | 294.0 | 307.5 | 320.6 |
| 162.5° | 292.3 | 302.8 | 314.6 | 326.2 |
| 165°   | 306.4 | 314.9 | 324.5 | 334.4 |
| 167.5° | 318.2 | 325.3 | 332.8 | 340.6 |
| 170°   | 325.9 | 331.6 | 337.9 | 344.0 |
| 172.5° | 332.4 | 336.9 | 341.6 | 346.8 |
| 175°   | 341.1 | 343.6 | 346.4 | 349.6 |
| 177.5° | 347.8 | 348.7 | 349.5 | 351.0 |
| 180°   | 350.7 | 350.7 | 350.7 | 350.7 |



TEST NUMBER: P1427686  
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**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 | 19.98            | 21.15 | 20.68 | 21.87 | 22.72 | 19.90          | 21.06 | 20.60 | 21.79 | 22.64 |
|                 | 3H   | 21.79            | 22.84 | 22.51 | 23.58 | 24.46 | 21.69          | 22.74 | 22.40 | 23.47 | 24.36 |
|                 | 4H   | 22.50            | 23.50 | 23.23 | 24.24 | 25.14 | 22.39          | 23.38 | 23.12 | 24.12 | 25.02 |
|                 | 6H   | 22.95            | 23.87 | 23.70 | 24.62 | 25.54 | 22.81          | 23.73 | 23.56 | 24.48 | 25.40 |
|                 | 8H   | 23.12            | 24.00 | 23.88 | 24.77 | 25.69 | 22.97          | 23.84 | 23.72 | 24.61 | 25.53 |
|                 | 12H  | 23.22            | 24.05 | 23.98 | 24.82 | 25.76 | 23.04          | 23.88 | 23.80 | 24.64 | 25.58 |
| 4H              | 2H   | 20.60            | 21.59 | 21.33 | 22.33 | 23.23 | 20.53          | 21.52 | 21.27 | 22.27 | 23.16 |
|                 | 3H   | 22.64            | 23.48 | 23.39 | 24.25 | 25.17 | 22.55          | 23.38 | 23.30 | 24.16 | 25.08 |
|                 | 4H   | 23.47            | 24.23 | 24.24 | 25.01 | 25.95 | 23.36          | 24.12 | 24.13 | 24.90 | 25.84 |
|                 | 6H   | 24.04            | 24.70 | 24.82 | 25.50 | 26.45 | 23.90          | 24.56 | 24.68 | 25.36 | 26.31 |
|                 | 8H   | 24.26            | 24.88 | 25.05 | 25.68 | 26.64 | 24.10          | 24.72 | 24.89 | 25.52 | 26.48 |
|                 | 12H  | 24.39            | 24.95 | 25.20 | 25.77 | 26.74 | 24.21          | 24.76 | 25.01 | 25.58 | 26.55 |
| 8H              | 4H   | 23.74            | 24.36 | 24.53 | 25.15 | 26.12 | 23.64          | 24.26 | 24.43 | 25.06 | 26.02 |
|                 | 6H   | 24.44            | 24.95 | 25.26 | 25.79 | 26.76 | 24.31          | 24.82 | 25.13 | 25.66 | 26.63 |
|                 | 8H   | 24.75            | 25.21 | 25.58 | 26.05 | 27.03 | 24.60          | 25.05 | 25.42 | 25.89 | 26.87 |
|                 | 12H  | 24.95            | 25.35 | 25.78 | 26.18 | 27.22 | 24.76          | 25.16 | 25.59 | 25.99 | 27.03 |
| 12H             | 4H   | 23.75            | 24.30 | 24.56 | 25.13 | 26.10 | 23.66          | 24.21 | 24.46 | 25.03 | 26.00 |
|                 | 6H   | 24.50            | 24.95 | 25.32 | 25.79 | 26.77 | 24.37          | 24.83 | 25.20 | 25.67 | 26.65 |
|                 | 8H   | 24.85            | 25.25 | 25.68 | 26.08 | 27.11 | 24.70          | 25.09 | 25.53 | 25.92 | 26.96 |