

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: P1427519

Luminaire Tested: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427519  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

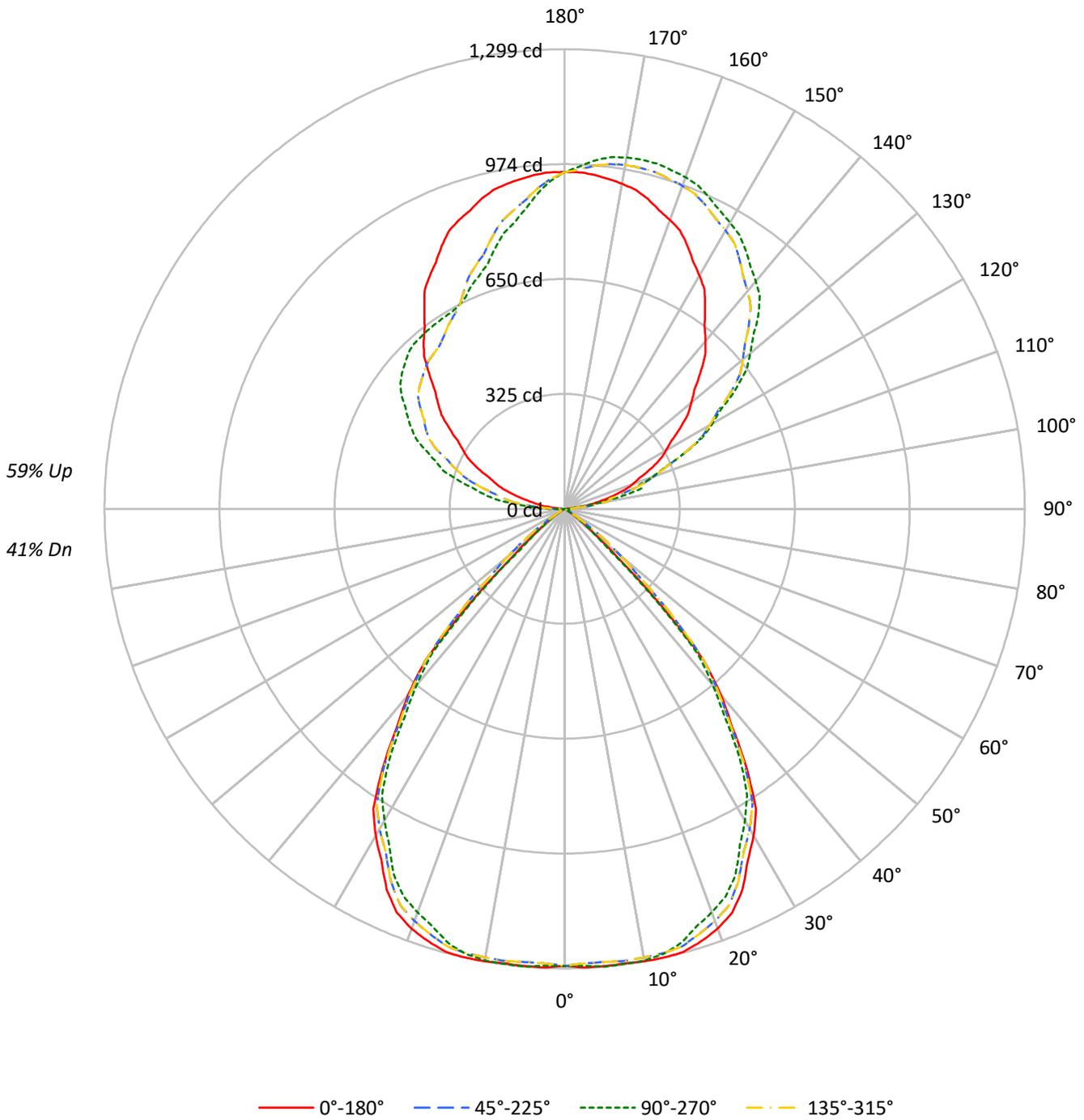
Lumens per Lamp: N/A  
Luminaire Lumens: 4712.1 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.7  
Input Voltage (V): 120  
Input Current (Ain): 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: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 63 | 63 | 63 | 48 | 48 | 48 | 41 |
| 1   | 97  | 94  | 90  | 88  | 89 | 86 | 83 | 81 | 71 | 69 | 67 | 57 | 56 | 55 | 45 | 44 | 44 | 38 |
| 2   | 90  | 84  | 79  | 74  | 82 | 77 | 73 | 69 | 64 | 61 | 59 | 52 | 50 | 49 | 42 | 40 | 39 | 34 |
| 3   | 83  | 75  | 69  | 64  | 76 | 69 | 64 | 60 | 58 | 54 | 51 | 48 | 45 | 43 | 38 | 37 | 36 | 31 |
| 4   | 77  | 68  | 61  | 56  | 71 | 63 | 57 | 52 | 53 | 49 | 45 | 44 | 41 | 39 | 36 | 34 | 32 | 29 |
| 5   | 71  | 61  | 54  | 49  | 65 | 57 | 51 | 46 | 48 | 44 | 40 | 40 | 37 | 35 | 33 | 31 | 29 | 26 |
| 6   | 66  | 56  | 49  | 43  | 61 | 52 | 45 | 41 | 44 | 40 | 36 | 37 | 34 | 31 | 31 | 28 | 27 | 24 |
| 7   | 62  | 51  | 44  | 39  | 57 | 47 | 41 | 37 | 41 | 36 | 32 | 34 | 31 | 28 | 28 | 26 | 24 | 22 |
| 8   | 58  | 46  | 39  | 35  | 53 | 43 | 37 | 33 | 37 | 33 | 29 | 32 | 28 | 26 | 26 | 24 | 22 | 20 |
| 9   | 54  | 43  | 36  | 31  | 49 | 40 | 34 | 30 | 34 | 30 | 27 | 29 | 26 | 24 | 25 | 22 | 21 | 18 |
| 10  | 50  | 39  | 33  | 28  | 46 | 37 | 31 | 27 | 32 | 27 | 24 | 27 | 24 | 22 | 23 | 21 | 19 | 17 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 20855 | 20855 | 20855 | 20855 |
| 5°  | 21019 | 21052 | 21019 | 21052 |
| 10° | 21283 | 21252 | 21283 | 21252 |
| 15° | 21668 | 21235 | 21668 | 21235 |
| 20° | 21695 | 20852 | 21695 | 20852 |
| 25° | 21158 | 20330 | 21158 | 20330 |
| 30° | 19891 | 18962 | 19891 | 18962 |
| 35° | 17652 | 16990 | 17652 | 16990 |
| 40° | 14477 | 13702 | 14477 | 13702 |
| 45° | 8631  | 8101  | 8631  | 8101  |
| 50° | 2695  | 2549  | 2695  | 2549  |
| 55° | 1019  | 1019  | 1019  | 1019  |
| 60° | 61    | 19    | 61    | 19    |
| 65° | 0     | 0     | 0     | 0     |
| 70° | 0     | 0     | 0     | 0     |
| 75° | 0     | 0     | 0     | 0     |
| 80° | 0     | 0     | 0     | 0     |
| 85° | 0     | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 10106 cd/sqm



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.5  | 2.6       |
| 10°-20°   | 361.8  | 7.7       |
| 20°-30°   | 532.3  | 11.3      |
| 30°-40°   | 544.0  | 11.5      |
| 40°-50°   | 313.4  | 6.7       |
| 50°-60°   | 53.9   | 1.1       |
| 60°-70°   | 1.9    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 5.0    | 0.1       |
| 90°-100°  | 75.7   | 1.6       |
| 100°-110° | 220.8  | 4.7       |
| 110°-120° | 360.3  | 7.6       |
| 120°-130° | 457.2  | 9.7       |
| 130°-140° | 489.2  | 10.4      |
| 140°-150° | 456.8  | 9.7       |
| 150°-160° | 375.9  | 8.0       |
| 160°-170° | 252.1  | 5.3       |
| 170°-180° | 89.5   | 1.9       |
| 0°-30°    | 1017.6 | 21.6      |
| 0°-40°    | 1561.6 | 33.1      |
| 0°-60°    | 1928.9 | 40.9      |
| 0°-90°    | 1935.9 | 41.1      |
| 90°-120°  | 656.7  | 13.9      |
| 90°-150°  | 2059.9 | 43.7      |
| 90°-180°  | 2777.0 | 58.9      |
| 0°-180°   | 4712.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1292 | 1292 | 1292 | 1292 | 1292 |      |
| 5°   | 1297 | 1299 | 1297 | 1299 | 1297 | 124  |
| 15°  | 1296 | 1270 | 1296 | 1270 | 1296 | 365  |
| 25°  | 1188 | 1141 | 1188 | 1141 | 1188 | 542  |
| 35°  | 896  | 862  | 896  | 862  | 896  | 553  |
| 45°  | 378  | 355  | 378  | 355  | 378  | 293  |
| 55°  | 36   | 36   | 36   | 36   | 36   | 38   |
| 65°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 75°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 85°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 90°  | 3    | 21   | 3    | 41   | 3    | 2    |
| 95°  | 30   | 22   | 30   | 130  | 30   | 36   |
| 105° | 140  | 225  | 140  | 309  | 140  | 149  |
| 115° | 269  | 373  | 269  | 459  | 269  | 265  |
| 125° | 398  | 591  | 398  | 563  | 398  | 356  |
| 135° | 541  | 773  | 541  | 624  | 541  | 418  |
| 145° | 691  | 892  | 691  | 637  | 691  | 432  |
| 155° | 820  | 968  | 820  | 661  | 820  | 377  |
| 165° | 907  | 1010 | 907  | 761  | 907  | 255  |
| 175° | 948  | 989  | 948  | 893  | 948  | 90   |
| 180° | 951  | 951  | 951  | 951  | 951  |      |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 |
| 2.5°   | 1297.4 | 1295.8 | 1294.2 | 1290.4 | 1285.8 | 1286.1 | 1291.4 | 1295.1 | 1293.9 | 1292.8 | 1293.9 |
| 5°     | 1296.9 | 1295.5 | 1294.0 | 1290.0 | 1285.1 | 1286.6 | 1294.3 | 1300.0 | 1299.4 | 1298.9 | 1299.4 |
| 7.5°   | 1296.1 | 1295.2 | 1294.2 | 1291.4 | 1287.9 | 1289.4 | 1295.7 | 1300.2 | 1298.7 | 1297.3 | 1298.7 |
| 10°    | 1298.2 | 1297.9 | 1297.6 | 1293.3 | 1287.5 | 1287.9 | 1294.5 | 1299.1 | 1297.7 | 1296.3 | 1297.7 |
| 12.5°  | 1299.2 | 1301.0 | 1302.8 | 1296.5 | 1287.6 | 1285.7 | 1290.9 | 1294.2 | 1291.6 | 1289.0 | 1291.6 |
| 15°    | 1296.3 | 1301.1 | 1306.0 | 1297.1 | 1283.6 | 1277.3 | 1278.2 | 1277.9 | 1274.2 | 1270.4 | 1274.2 |
| 17.5°  | 1281.8 | 1288.7 | 1295.6 | 1283.8 | 1265.8 | 1255.3 | 1252.1 | 1248.4 | 1243.1 | 1237.9 | 1243.1 |
| 20°    | 1262.7 | 1270.7 | 1278.7 | 1265.9 | 1246.1 | 1233.4 | 1228.0 | 1222.7 | 1218.1 | 1213.6 | 1218.1 |
| 22.5°  | 1235.8 | 1243.1 | 1250.5 | 1238.2 | 1219.3 | 1206.4 | 1199.6 | 1193.5 | 1189.8 | 1186.2 | 1189.8 |
| 25°    | 1187.7 | 1192.6 | 1197.5 | 1184.9 | 1166.5 | 1154.8 | 1149.6 | 1145.2 | 1143.2 | 1141.2 | 1143.2 |
| 27.5°  | 1119.6 | 1121.0 | 1122.4 | 1112.4 | 1098.6 | 1088.5 | 1082.0 | 1076.6 | 1074.0 | 1071.4 | 1074.0 |
| 30°    | 1066.9 | 1066.9 | 1066.9 | 1059.1 | 1048.8 | 1040.2 | 1033.3 | 1026.9 | 1022.0 | 1017.1 | 1022.0 |
| 32.5°  | 1005.3 | 1004.7 | 1004.0 | 998.3  | 990.9  | 983.5  | 975.9  | 969.0  | 964.1  | 959.2  | 964.1  |
| 35°    | 895.6  | 898.8  | 901.9  | 898.0  | 891.7  | 884.8  | 877.3  | 870.6  | 866.3  | 862.0  | 866.3  |
| 37.5°  | 776.9  | 778.1  | 779.3  | 776.0  | 771.2  | 764.8  | 756.8  | 749.8  | 746.2  | 742.6  | 746.2  |
| 40°    | 686.9  | 687.2  | 687.5  | 683.5  | 678.0  | 672.4  | 666.7  | 661.0  | 655.5  | 650.1  | 655.5  |
| 42.5°  | 582.0  | 587.8  | 593.6  | 591.1  | 585.9  | 578.7  | 569.5  | 562.0  | 559.8  | 557.5  | 559.8  |
| 45°    | 378.0  | 403.6  | 429.1  | 438.6  | 442.6  | 439.4  | 429.1  | 413.9  | 384.3  | 354.8  | 384.3  |
| 47.5°  | 190.0  | 221.8  | 253.6  | 275.7  | 294.4  | 289.1  | 259.6  | 229.7  | 198.4  | 167.1  | 198.4  |
| 50°    | 107.3  | 126.2  | 145.2  | 174.7  | 207.7  | 202.3  | 158.3  | 122.7  | 112.1  | 101.5  | 112.1  |
| 52.5°  | 71.6   | 80.0   | 88.4   | 112.1  | 141.0  | 139.1  | 106.4  | 80.4   | 74.4   | 68.4   | 74.4   |
| 55°    | 36.2   | 38.5   | 40.8   | 51.3   | 64.5   | 64.2   | 50.4   | 39.6   | 37.9   | 36.2   | 37.9   |
| 57.5°  | 12.3   | 15.4   | 18.5   | 23.1   | 28.3   | 28.4   | 23.6   | 19.2   | 16.4   | 13.6   | 16.4   |
| 60°    | 1.9    | 4.8    | 7.7    | 11.4   | 15.4   | 15.0   | 10.1   | 5.8    | 3.2    | 0.6    | 3.2    |
| 62.5°  | 0.4    | 1.2    | 2.0    | 5.0    | 8.8    | 8.7    | 4.8    | 1.6    | 0.9    | 0.1    | 0.9    |
| 65°    | 0.0    | 0.0    | 0.0    | 0.2    | 0.5    | 0.5    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 0.6    | 1.3    | 2.3    | 3.1    | 3.7    | 3.8    | 3.8    | 4.0    | 4.2    | 4.2    | 4.2    |
| 90°    | 2.9    | 6.7    | 11.5   | 15.4   | 18.3   | 19.2   | 19.2   | 20.2   | 21.1   | 21.1   | 21.1   |
| 92.5°  | 10.6   | 16.7   | 16.9   | 16.9   | 20.6   | 22.3   | 23.8   | 24.0   | 25.0   | 25.0   | 25.0   |
| 95°    | 29.8   | 32.7   | 49.0   | 48.0   | 32.7   | 25.9   | 22.1   | 22.1   | 22.1   | 22.1   | 22.1   |
| 97.5°  | 56.9   | 61.1   | 63.8   | 85.5   | 90.3   | 87.2   | 71.1   | 59.8   | 53.4   | 50.5   | 53.4   |
| 100°   | 80.7   | 82.6   | 88.4   | 89.4   | 113.4  | 136.4  | 124.9  | 110.5  | 105.7  | 102.8  | 105.7  |
| 102.5° | 104.5  | 105.7  | 114.5  | 118.6  | 124.1  | 137.2  | 177.2  | 172.8  | 169.5  | 168.9  | 169.5  |
| 105°   | 140.3  | 141.2  | 157.6  | 165.3  | 169.1  | 169.1  | 168.1  | 187.4  | 218.1  | 224.8  | 218.1  |
| 107.5° | 178.5  | 182.9  | 202.2  | 222.7  | 227.1  | 228.3  | 223.3  | 220.4  | 219.3  | 220.0  | 219.3  |
| 110°   | 204.7  | 211.4  | 234.4  | 260.4  | 267.1  | 269.0  | 267.1  | 264.2  | 262.3  | 262.3  | 262.3  |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 230.0 | 239.8 | 266.0 | 295.7 | 307.1 | 312.8 | 308.6  | 306.5  | 304.6  | 306.1  | 304.6  |
| 115°   | 269.0 | 283.4 | 318.0 | 348.8 | 371.8 | 374.7 | 373.8  | 373.8  | 372.8  | 372.8  | 372.8  |
| 117.5° | 305.2 | 328.2 | 367.0 | 402.8 | 429.5 | 437.2 | 441.0  | 439.9  | 438.7  | 440.6  | 438.7  |
| 120°   | 330.5 | 357.4 | 401.6 | 442.0 | 467.9 | 479.4 | 483.3  | 481.4  | 483.3  | 481.4  | 483.3  |
| 122.5° | 357.4 | 390.5 | 433.9 | 475.8 | 506.3 | 519.4 | 524.0  | 524.4  | 524.8  | 523.6  | 524.8  |
| 125°   | 397.8 | 438.1 | 489.1 | 532.3 | 564.0 | 579.4 | 583.2  | 584.2  | 586.1  | 590.9  | 586.1  |
| 127.5° | 438.5 | 484.2 | 540.2 | 581.9 | 614.3 | 633.0 | 638.9  | 641.0  | 645.1  | 647.2  | 645.1  |
| 130°   | 467.0 | 518.8 | 575.5 | 614.9 | 646.6 | 666.8 | 677.4  | 680.3  | 685.1  | 684.1  | 685.1  |
| 132.5° | 496.9 | 551.1 | 608.6 | 649.5 | 678.9 | 700.6 | 709.7  | 717.9  | 719.6  | 721.0  | 719.6  |
| 135°   | 540.9 | 599.5 | 657.2 | 697.5 | 725.4 | 746.5 | 758.1  | 765.8  | 770.6  | 773.4  | 770.6  |
| 137.5° | 587.2 | 649.1 | 704.5 | 740.4 | 768.5 | 786.7 | 799.8  | 807.8  | 812.8  | 815.1  | 812.8  |
| 140°   | 618.8 | 678.3 | 732.1 | 769.6 | 794.6 | 812.8 | 824.4  | 834.0  | 839.7  | 839.7  | 839.7  |
| 142.5° | 648.7 | 707.5 | 759.8 | 797.3 | 819.2 | 835.9 | 848.2  | 855.5  | 862.0  | 862.0  | 862.0  |
| 145°   | 690.8 | 749.4 | 797.5 | 834.9 | 853.2 | 868.6 | 882.0  | 887.8  | 891.6  | 891.6  | 891.6  |
| 147.5° | 734.8 | 786.7 | 830.5 | 866.5 | 881.8 | 899.9 | 910.5  | 915.1  | 919.9  | 917.8  | 919.9  |
| 150°   | 761.0 | 809.0 | 851.3 | 884.9 | 900.3 | 917.6 | 928.1  | 932.0  | 936.8  | 933.9  | 936.8  |
| 152.5° | 786.3 | 832.1 | 870.5 | 901.8 | 914.9 | 932.2 | 944.3  | 948.1  | 951.4  | 949.3  | 951.4  |
| 155°   | 820.5 | 860.9 | 896.4 | 925.3 | 936.8 | 953.1 | 964.6  | 969.5  | 973.3  | 968.5  | 973.3  |
| 157.5° | 851.1 | 885.9 | 916.8 | 943.3 | 955.6 | 969.6 | 980.4  | 986.4  | 990.2  | 988.1  | 990.2  |
| 160°   | 869.5 | 901.2 | 929.1 | 954.1 | 965.6 | 978.1 | 989.6  | 996.4  | 1000.2 | 997.3  | 1000.2 |
| 162.5° | 884.9 | 913.5 | 939.9 | 962.5 | 972.5 | 983.5 | 997.3  | 1003.3 | 1007.1 | 1003.5 | 1007.1 |
| 165°   | 907.0 | 930.1 | 953.1 | 972.3 | 981.0 | 989.6 | 1004.0 | 1010.8 | 1013.7 | 1009.8 | 1013.7 |
| 167.5° | 923.7 | 941.4 | 960.0 | 976.6 | 982.9 | 991.4 | 1005.8 | 1011.3 | 1015.0 | 1010.2 | 1015.0 |
| 170°   | 932.9 | 948.3 | 964.6 | 978.1 | 982.9 | 990.6 | 1005.0 | 1009.8 | 1012.7 | 1007.9 | 1012.7 |
| 172.5° | 940.6 | 952.2 | 965.4 | 977.3 | 979.8 | 986.0 | 999.6  | 1004.4 | 1006.5 | 1002.5 | 1006.5 |
| 175°   | 948.3 | 955.0 | 964.6 | 972.3 | 971.4 | 975.2 | 986.7  | 990.6  | 994.4  | 988.7  | 994.4  |
| 177.5° | 952.0 | 955.0 | 958.1 | 962.7 | 959.7 | 959.7 | 968.1  | 970.4  | 971.2  | 968.1  | 971.2  |
| 180°   | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2  | 951.2  | 951.2  | 951.2  | 951.2  |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 |
| 2.5°   | 1295.1 | 1291.4 | 1286.1 | 1285.8 | 1290.4 | 1294.2 | 1295.8 | 1297.4 | 1295.8 | 1294.2 | 1290.4 |
| 5°     | 1300.0 | 1294.3 | 1286.6 | 1285.1 | 1290.0 | 1294.0 | 1295.5 | 1296.9 | 1295.5 | 1294.0 | 1290.0 |
| 7.5°   | 1300.2 | 1295.7 | 1289.4 | 1287.9 | 1291.4 | 1294.2 | 1295.2 | 1296.1 | 1295.2 | 1294.2 | 1291.4 |
| 10°    | 1299.1 | 1294.5 | 1287.9 | 1287.5 | 1293.3 | 1297.6 | 1297.9 | 1298.2 | 1297.9 | 1297.6 | 1293.3 |
| 12.5°  | 1294.2 | 1290.9 | 1285.7 | 1287.6 | 1296.5 | 1302.8 | 1301.0 | 1299.2 | 1301.0 | 1302.8 | 1296.5 |
| 15°    | 1277.9 | 1278.2 | 1277.3 | 1283.6 | 1297.1 | 1306.0 | 1301.1 | 1296.3 | 1301.1 | 1306.0 | 1297.1 |
| 17.5°  | 1248.4 | 1252.1 | 1255.3 | 1265.8 | 1283.8 | 1295.6 | 1288.7 | 1281.8 | 1288.7 | 1295.6 | 1283.8 |
| 20°    | 1222.7 | 1228.0 | 1233.4 | 1246.1 | 1265.9 | 1278.7 | 1270.7 | 1262.7 | 1270.7 | 1278.7 | 1265.9 |
| 22.5°  | 1193.5 | 1199.6 | 1206.4 | 1219.3 | 1238.2 | 1250.5 | 1243.1 | 1235.8 | 1243.1 | 1250.5 | 1238.2 |
| 25°    | 1145.2 | 1149.6 | 1154.8 | 1166.5 | 1184.9 | 1197.5 | 1192.6 | 1187.7 | 1192.6 | 1197.5 | 1184.9 |
| 27.5°  | 1076.6 | 1082.0 | 1088.5 | 1098.6 | 1112.4 | 1122.4 | 1121.0 | 1119.6 | 1121.0 | 1122.4 | 1112.4 |
| 30°    | 1026.9 | 1033.3 | 1040.2 | 1048.8 | 1059.1 | 1066.9 | 1066.9 | 1066.9 | 1066.9 | 1066.9 | 1059.1 |
| 32.5°  | 969.0  | 975.9  | 983.5  | 990.9  | 998.3  | 1004.0 | 1004.7 | 1005.3 | 1004.7 | 1004.0 | 998.3  |
| 35°    | 870.6  | 877.3  | 884.8  | 891.7  | 898.0  | 901.9  | 898.8  | 895.6  | 898.8  | 901.9  | 898.0  |
| 37.5°  | 749.8  | 756.8  | 764.8  | 771.2  | 776.0  | 779.3  | 778.1  | 776.9  | 778.1  | 779.3  | 776.0  |
| 40°    | 661.0  | 666.7  | 672.4  | 678.0  | 683.5  | 687.5  | 687.2  | 686.9  | 687.2  | 687.5  | 683.5  |
| 42.5°  | 562.0  | 569.5  | 578.7  | 585.9  | 591.1  | 593.6  | 587.8  | 582.0  | 587.8  | 593.6  | 591.1  |
| 45°    | 413.9  | 429.1  | 439.4  | 442.6  | 438.6  | 429.1  | 403.6  | 378.0  | 403.6  | 429.1  | 438.6  |
| 47.5°  | 229.7  | 259.6  | 289.1  | 294.4  | 275.7  | 253.6  | 221.8  | 190.0  | 221.8  | 253.6  | 275.7  |
| 50°    | 122.7  | 158.3  | 202.3  | 207.7  | 174.7  | 145.2  | 126.2  | 107.3  | 126.2  | 145.2  | 174.7  |
| 52.5°  | 80.4   | 106.4  | 139.1  | 141.0  | 112.1  | 88.4   | 80.0   | 71.6   | 80.0   | 88.4   | 112.1  |
| 55°    | 39.6   | 50.4   | 64.2   | 64.5   | 51.3   | 40.8   | 38.5   | 36.2   | 38.5   | 40.8   | 51.3   |
| 57.5°  | 19.2   | 23.6   | 28.4   | 28.3   | 23.1   | 18.5   | 15.4   | 12.3   | 15.4   | 18.5   | 23.1   |
| 60°    | 5.8    | 10.1   | 15.0   | 15.4   | 11.4   | 7.7    | 4.8    | 1.9    | 4.8    | 7.7    | 11.4   |
| 62.5°  | 1.6    | 4.8    | 8.7    | 8.8    | 5.0    | 2.0    | 1.2    | 0.4    | 1.2    | 2.0    | 5.0    |
| 65°    | 0.0    | 0.2    | 0.5    | 0.5    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 4.0    | 3.8    | 3.8    | 3.7    | 3.1    | 2.3    | 1.3    | 0.6    | 1.3    | 2.1    | 3.5    |
| 90°    | 20.2   | 19.2   | 19.2   | 18.3   | 15.4   | 11.5   | 6.7    | 2.9    | 6.7    | 10.6   | 17.3   |
| 92.5°  | 24.0   | 23.8   | 22.3   | 20.6   | 16.9   | 16.9   | 16.7   | 10.6   | 18.3   | 25.9   | 37.3   |
| 95°    | 22.1   | 22.1   | 25.9   | 32.7   | 48.0   | 49.0   | 32.7   | 29.8   | 42.3   | 59.6   | 74.9   |
| 97.5°  | 59.8   | 71.1   | 87.2   | 90.3   | 85.5   | 63.8   | 61.1   | 56.9   | 77.4   | 94.5   | 119.3  |
| 100°   | 110.5  | 124.9  | 136.4  | 113.4  | 89.4   | 88.4   | 82.6   | 80.7   | 102.8  | 119.1  | 143.2  |
| 102.5° | 172.8  | 177.2  | 137.2  | 124.1  | 118.6  | 114.5  | 105.7  | 104.5  | 126.6  | 149.1  | 169.3  |
| 105°   | 187.4  | 168.1  | 169.1  | 169.1  | 165.3  | 157.6  | 141.2  | 140.3  | 165.3  | 191.2  | 216.2  |
| 107.5° | 220.4  | 223.3  | 228.3  | 227.1  | 222.7  | 202.2  | 182.9  | 178.5  | 201.0  | 232.1  | 259.6  |
| 110°   | 264.2  | 267.1  | 269.0  | 267.1  | 260.4  | 234.4  | 211.4  | 204.7  | 224.8  | 257.5  | 287.3  |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 306.5  | 308.6  | 312.8 | 307.1 | 295.7 | 266.0 | 239.8 | 230.0 | 250.2 | 283.6 | 314.2 |
| 115°   | 373.8  | 373.8  | 374.7 | 371.8 | 348.8 | 318.0 | 283.4 | 269.0 | 286.3 | 317.1 | 350.7 |
| 117.5° | 439.9  | 441.0  | 437.2 | 429.5 | 402.8 | 367.0 | 328.2 | 305.2 | 318.8 | 351.3 | 385.9 |
| 120°   | 481.4  | 483.3  | 479.4 | 467.9 | 442.0 | 401.6 | 357.4 | 330.5 | 341.1 | 372.8 | 407.4 |
| 122.5° | 524.4  | 524.0  | 519.4 | 506.3 | 475.8 | 433.9 | 390.5 | 357.4 | 361.8 | 391.2 | 425.1 |
| 125°   | 584.2  | 583.2  | 579.4 | 564.0 | 532.3 | 489.1 | 438.1 | 397.8 | 392.0 | 417.0 | 451.6 |
| 127.5° | 641.0  | 638.9  | 633.0 | 614.3 | 581.9 | 540.2 | 484.2 | 438.5 | 425.6 | 441.4 | 473.1 |
| 130°   | 680.3  | 677.4  | 666.8 | 646.6 | 614.9 | 575.5 | 518.8 | 467.0 | 448.7 | 458.3 | 486.2 |
| 132.5° | 717.9  | 709.7  | 700.6 | 678.9 | 649.5 | 608.6 | 551.1 | 496.9 | 471.8 | 476.0 | 497.7 |
| 135°   | 765.8  | 758.1  | 746.5 | 725.4 | 697.5 | 657.2 | 599.5 | 540.9 | 506.3 | 502.5 | 515.0 |
| 137.5° | 807.8  | 799.8  | 786.7 | 768.5 | 740.4 | 704.5 | 649.1 | 587.2 | 543.6 | 530.7 | 535.6 |
| 140°   | 834.0  | 824.4  | 812.8 | 794.6 | 769.6 | 732.1 | 678.3 | 618.8 | 569.8 | 551.5 | 548.6 |
| 142.5° | 855.5  | 848.2  | 835.9 | 819.2 | 797.3 | 759.8 | 707.5 | 648.7 | 596.7 | 573.0 | 566.3 |
| 145°   | 887.8  | 882.0  | 868.6 | 853.2 | 834.9 | 797.5 | 749.4 | 690.8 | 638.9 | 608.2 | 593.8 |
| 147.5° | 915.1  | 910.5  | 899.9 | 881.8 | 866.5 | 830.5 | 786.7 | 734.8 | 681.6 | 643.5 | 624.9 |
| 150°   | 932.0  | 928.1  | 917.6 | 900.3 | 884.9 | 851.3 | 809.0 | 761.0 | 710.0 | 669.7 | 645.7 |
| 152.5° | 948.1  | 944.3  | 932.2 | 914.9 | 901.8 | 870.5 | 832.1 | 786.3 | 734.6 | 694.3 | 669.5 |
| 155°   | 969.5  | 964.6  | 953.1 | 936.8 | 925.3 | 896.4 | 860.9 | 820.5 | 776.3 | 734.1 | 706.2 |
| 157.5° | 986.4  | 980.4  | 969.6 | 955.6 | 943.3 | 916.8 | 885.9 | 851.1 | 812.5 | 772.1 | 743.7 |
| 160°   | 996.4  | 989.6  | 978.1 | 965.6 | 954.1 | 929.1 | 901.2 | 869.5 | 834.0 | 797.5 | 766.7 |
| 162.5° | 1003.3 | 997.3  | 983.5 | 972.5 | 962.5 | 939.9 | 913.5 | 884.9 | 853.2 | 821.3 | 792.9 |
| 165°   | 1010.8 | 1004.0 | 989.6 | 981.0 | 972.3 | 953.1 | 930.1 | 907.0 | 880.1 | 854.2 | 831.1 |
| 167.5° | 1011.3 | 1005.8 | 991.4 | 982.9 | 976.6 | 960.0 | 941.4 | 923.7 | 902.8 | 882.4 | 863.2 |
| 170°   | 1009.8 | 1005.0 | 990.6 | 982.9 | 978.1 | 964.6 | 948.3 | 932.9 | 916.6 | 899.3 | 883.9 |
| 172.5° | 1004.4 | 999.6  | 986.0 | 979.8 | 977.3 | 965.4 | 952.2 | 940.6 | 926.6 | 913.9 | 901.6 |
| 175°   | 990.6  | 986.7  | 975.2 | 971.4 | 972.3 | 964.6 | 955.0 | 948.3 | 939.7 | 932.0 | 925.3 |
| 177.5° | 970.4  | 968.1  | 959.7 | 959.7 | 962.7 | 958.1 | 955.0 | 952.0 | 948.1 | 945.8 | 943.5 |
| 180°   | 951.2  | 951.2  | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 |

TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 | 1291.7 |
| 2.5°   | 1285.8 | 1286.1 | 1291.4 | 1295.1 | 1293.9 | 1292.8 | 1293.9 | 1295.1 | 1291.4 | 1286.1 | 1285.8 |
| 5°     | 1285.1 | 1286.6 | 1294.3 | 1300.0 | 1299.4 | 1298.9 | 1299.4 | 1300.0 | 1294.3 | 1286.6 | 1285.1 |
| 7.5°   | 1287.9 | 1289.4 | 1295.7 | 1300.2 | 1298.7 | 1297.3 | 1298.7 | 1300.2 | 1295.7 | 1289.4 | 1287.9 |
| 10°    | 1287.5 | 1287.9 | 1294.5 | 1299.1 | 1297.7 | 1296.3 | 1297.7 | 1299.1 | 1294.5 | 1287.9 | 1287.5 |
| 12.5°  | 1287.6 | 1285.7 | 1290.9 | 1294.2 | 1291.6 | 1289.0 | 1291.6 | 1294.2 | 1290.9 | 1285.7 | 1287.6 |
| 15°    | 1283.6 | 1277.3 | 1278.2 | 1277.9 | 1274.2 | 1270.4 | 1274.2 | 1277.9 | 1278.2 | 1277.3 | 1283.6 |
| 17.5°  | 1265.8 | 1255.3 | 1252.1 | 1248.4 | 1243.1 | 1237.9 | 1243.1 | 1248.4 | 1252.1 | 1255.3 | 1265.8 |
| 20°    | 1246.1 | 1233.4 | 1228.0 | 1222.7 | 1218.1 | 1213.6 | 1218.1 | 1222.7 | 1228.0 | 1233.4 | 1246.1 |
| 22.5°  | 1219.3 | 1206.4 | 1199.6 | 1193.5 | 1189.8 | 1186.2 | 1189.8 | 1193.5 | 1199.6 | 1206.4 | 1219.3 |
| 25°    | 1166.5 | 1154.8 | 1149.6 | 1145.2 | 1143.2 | 1141.2 | 1143.2 | 1145.2 | 1149.6 | 1154.8 | 1166.5 |
| 27.5°  | 1098.6 | 1088.5 | 1082.0 | 1076.6 | 1074.0 | 1071.4 | 1074.0 | 1076.6 | 1082.0 | 1088.5 | 1098.6 |
| 30°    | 1048.8 | 1040.2 | 1033.3 | 1026.9 | 1022.0 | 1017.1 | 1022.0 | 1026.9 | 1033.3 | 1040.2 | 1048.8 |
| 32.5°  | 990.9  | 983.5  | 975.9  | 969.0  | 964.1  | 959.2  | 964.1  | 969.0  | 975.9  | 983.5  | 990.9  |
| 35°    | 891.7  | 884.8  | 877.3  | 870.6  | 866.3  | 862.0  | 866.3  | 870.6  | 877.3  | 884.8  | 891.7  |
| 37.5°  | 771.2  | 764.8  | 756.8  | 749.8  | 746.2  | 742.6  | 746.2  | 749.8  | 756.8  | 764.8  | 771.2  |
| 40°    | 678.0  | 672.4  | 666.7  | 661.0  | 655.5  | 650.1  | 655.5  | 661.0  | 666.7  | 672.4  | 678.0  |
| 42.5°  | 585.9  | 578.7  | 569.5  | 562.0  | 559.8  | 557.5  | 559.8  | 562.0  | 569.5  | 578.7  | 585.9  |
| 45°    | 442.6  | 439.4  | 429.1  | 413.9  | 384.3  | 354.8  | 384.3  | 413.9  | 429.1  | 439.4  | 442.6  |
| 47.5°  | 294.4  | 289.1  | 259.6  | 229.7  | 198.4  | 167.1  | 198.4  | 229.7  | 259.6  | 289.1  | 294.4  |
| 50°    | 207.7  | 202.3  | 158.3  | 122.7  | 112.1  | 101.5  | 112.1  | 122.7  | 158.3  | 202.3  | 207.7  |
| 52.5°  | 141.0  | 139.1  | 106.4  | 80.4   | 74.4   | 68.4   | 74.4   | 80.4   | 106.4  | 139.1  | 141.0  |
| 55°    | 64.5   | 64.2   | 50.4   | 39.6   | 37.9   | 36.2   | 37.9   | 39.6   | 50.4   | 64.2   | 64.5   |
| 57.5°  | 28.3   | 28.4   | 23.6   | 19.2   | 16.4   | 13.6   | 16.4   | 19.2   | 23.6   | 28.4   | 28.3   |
| 60°    | 15.4   | 15.0   | 10.1   | 5.8    | 3.2    | 0.6    | 3.2    | 5.8    | 10.1   | 15.0   | 15.4   |
| 62.5°  | 8.8    | 8.7    | 4.8    | 1.6    | 0.9    | 0.1    | 0.9    | 1.6    | 4.8    | 8.7    | 8.8    |
| 65°    | 0.5    | 0.5    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.5    | 0.5    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 4.4    | 5.8    | 7.1    | 7.9    | 8.6    | 8.3    | 8.6    | 7.9    | 7.1    | 5.8    | 4.4    |
| 90°    | 22.1   | 28.8   | 35.5   | 39.4   | 43.2   | 41.3   | 43.2   | 39.4   | 35.5   | 28.8   | 22.1   |
| 92.5°  | 44.4   | 55.7   | 64.0   | 70.9   | 74.0   | 73.6   | 74.0   | 70.9   | 64.0   | 55.7   | 44.4   |
| 95°    | 89.4   | 102.8  | 116.3  | 125.9  | 131.6  | 129.7  | 131.6  | 125.9  | 116.3  | 102.8  | 89.4   |
| 97.5°  | 137.8  | 155.8  | 170.8  | 179.9  | 185.6  | 189.5  | 185.6  | 179.9  | 170.8  | 155.8  | 137.8  |
| 100°   | 170.1  | 187.4  | 204.7  | 215.2  | 224.8  | 228.7  | 224.8  | 215.2  | 204.7  | 187.4  | 170.1  |
| 102.5° | 196.2  | 218.9  | 237.7  | 249.0  | 257.1  | 261.0  | 257.1  | 249.0  | 237.7  | 218.9  | 196.2  |
| 105°   | 239.2  | 263.3  | 283.4  | 297.8  | 306.5  | 309.4  | 306.5  | 297.8  | 283.4  | 263.3  | 239.2  |
| 107.5° | 282.3  | 307.1  | 325.7  | 341.7  | 352.2  | 358.4  | 352.2  | 341.7  | 325.7  | 307.1  | 282.3  |
| 110°   | 316.1  | 336.3  | 356.5  | 370.9  | 381.4  | 385.3  | 381.4  | 370.9  | 356.5  | 336.3  | 316.1  |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 344.5 | 367.0 | 387.2 | 401.6 | 413.7 | 419.1 | 413.7 | 401.6 | 387.2 | 367.0 | 344.5 |
| 115°   | 384.3 | 414.1 | 432.4 | 445.8 | 454.5 | 459.3 | 454.5 | 445.8 | 432.4 | 414.1 | 384.3 |
| 117.5° | 417.4 | 448.5 | 468.5 | 478.9 | 482.9 | 486.4 | 482.9 | 478.9 | 468.5 | 448.5 | 417.4 |
| 120°   | 438.1 | 467.0 | 490.0 | 503.5 | 508.3 | 510.2 | 508.3 | 503.5 | 490.0 | 467.0 | 438.1 |
| 122.5° | 457.3 | 484.6 | 506.9 | 523.4 | 531.3 | 533.2 | 531.3 | 523.4 | 506.9 | 484.6 | 457.3 |
| 125°   | 484.2 | 510.2 | 533.2 | 549.6 | 558.2 | 563.0 | 558.2 | 549.6 | 533.2 | 510.2 | 484.2 |
| 127.5° | 507.7 | 535.7 | 556.9 | 571.7 | 580.1 | 584.0 | 580.1 | 571.7 | 556.9 | 535.7 | 507.7 |
| 130°   | 520.8 | 549.6 | 570.7 | 587.1 | 594.7 | 598.6 | 594.7 | 587.1 | 570.7 | 549.6 | 520.8 |
| 132.5° | 530.7 | 561.1 | 583.0 | 597.8 | 606.3 | 610.1 | 606.3 | 597.8 | 583.0 | 561.1 | 530.7 |
| 135°   | 542.9 | 574.6 | 597.6 | 612.0 | 619.7 | 623.6 | 619.7 | 612.0 | 597.6 | 574.6 | 542.9 |
| 137.5° | 553.4 | 582.2 | 606.3 | 621.4 | 628.4 | 630.9 | 628.4 | 621.4 | 606.3 | 582.2 | 553.4 |
| 140°   | 561.1 | 586.1 | 610.1 | 624.5 | 632.2 | 633.2 | 632.2 | 624.5 | 610.1 | 586.1 | 561.1 |
| 142.5° | 571.1 | 590.7 | 611.6 | 626.1 | 633.7 | 635.5 | 633.7 | 626.1 | 611.6 | 590.7 | 571.1 |
| 145°   | 589.0 | 600.5 | 614.9 | 628.4 | 635.1 | 637.0 | 635.1 | 628.4 | 614.9 | 600.5 | 589.0 |
| 147.5° | 611.5 | 615.1 | 622.6 | 631.4 | 638.0 | 639.3 | 638.0 | 631.4 | 622.6 | 615.1 | 611.5 |
| 150°   | 628.4 | 627.4 | 630.3 | 636.1 | 641.8 | 640.9 | 641.8 | 636.1 | 630.3 | 627.4 | 628.4 |
| 152.5° | 647.6 | 642.0 | 641.8 | 644.5 | 647.2 | 647.0 | 647.2 | 644.5 | 641.8 | 642.0 | 647.6 |
| 155°   | 680.3 | 669.7 | 663.9 | 662.0 | 662.0 | 661.0 | 662.0 | 662.0 | 663.9 | 669.7 | 680.3 |
| 157.5° | 716.2 | 701.4 | 692.7 | 688.1 | 686.8 | 684.7 | 686.8 | 688.1 | 692.7 | 701.4 | 716.2 |
| 160°   | 740.8 | 724.4 | 715.8 | 708.1 | 705.2 | 702.3 | 705.2 | 708.1 | 715.8 | 724.4 | 740.8 |
| 162.5° | 763.8 | 748.3 | 738.9 | 731.9 | 729.1 | 724.6 | 729.1 | 731.9 | 738.9 | 748.3 | 763.8 |
| 165°   | 801.3 | 785.0 | 774.4 | 768.6 | 764.8 | 761.0 | 764.8 | 768.6 | 774.4 | 785.0 | 801.3 |
| 167.5° | 838.8 | 820.9 | 814.0 | 807.5 | 803.8 | 796.9 | 803.8 | 807.5 | 814.0 | 820.9 | 838.8 |
| 170°   | 861.8 | 845.5 | 841.7 | 835.9 | 829.2 | 821.5 | 829.2 | 835.9 | 841.7 | 845.5 | 861.8 |
| 172.5° | 881.8 | 870.9 | 867.0 | 861.3 | 859.2 | 853.0 | 859.2 | 861.3 | 867.0 | 870.9 | 881.8 |
| 175°   | 910.8 | 902.2 | 902.2 | 901.2 | 898.4 | 892.6 | 898.4 | 901.2 | 902.2 | 902.2 | 910.8 |
| 177.5° | 935.1 | 930.4 | 933.5 | 933.5 | 932.8 | 927.4 | 932.8 | 933.5 | 933.5 | 930.4 | 935.1 |
| 180°   | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 | 951.2 |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1291.7 | 1291.7 | 1291.7 | 1291.7 |
| 2.5°   | 1290.4 | 1294.2 | 1295.8 | 1297.4 |
| 5°     | 1290.0 | 1294.0 | 1295.5 | 1296.9 |
| 7.5°   | 1291.4 | 1294.2 | 1295.2 | 1296.1 |
| 10°    | 1293.3 | 1297.6 | 1297.9 | 1298.2 |
| 12.5°  | 1296.5 | 1302.8 | 1301.0 | 1299.2 |
| 15°    | 1297.1 | 1306.0 | 1301.1 | 1296.3 |
| 17.5°  | 1283.8 | 1295.6 | 1288.7 | 1281.8 |
| 20°    | 1265.9 | 1278.7 | 1270.7 | 1262.7 |
| 22.5°  | 1238.2 | 1250.5 | 1243.1 | 1235.8 |
| 25°    | 1184.9 | 1197.5 | 1192.6 | 1187.7 |
| 27.5°  | 1112.4 | 1122.4 | 1121.0 | 1119.6 |
| 30°    | 1059.1 | 1066.9 | 1066.9 | 1066.9 |
| 32.5°  | 998.3  | 1004.0 | 1004.7 | 1005.3 |
| 35°    | 898.0  | 901.9  | 898.8  | 895.6  |
| 37.5°  | 776.0  | 779.3  | 778.1  | 776.9  |
| 40°    | 683.5  | 687.5  | 687.2  | 686.9  |
| 42.5°  | 591.1  | 593.6  | 587.8  | 582.0  |
| 45°    | 438.6  | 429.1  | 403.6  | 378.0  |
| 47.5°  | 275.7  | 253.6  | 221.8  | 190.0  |
| 50°    | 174.7  | 145.2  | 126.2  | 107.3  |
| 52.5°  | 112.1  | 88.4   | 80.0   | 71.6   |
| 55°    | 51.3   | 40.8   | 38.5   | 36.2   |
| 57.5°  | 23.1   | 18.5   | 15.4   | 12.3   |
| 60°    | 11.4   | 7.7    | 4.8    | 1.9    |
| 62.5°  | 5.0    | 2.0    | 1.2    | 0.4    |
| 65°    | 0.2    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 3.5    | 2.1    | 1.3    | 0.6    |
| 90°    | 17.3   | 10.6   | 6.7    | 2.9    |
| 92.5°  | 37.3   | 25.9   | 18.3   | 10.6   |
| 95°    | 74.9   | 59.6   | 42.3   | 29.8   |
| 97.5°  | 119.3  | 94.5   | 77.4   | 56.9   |
| 100°   | 143.2  | 119.1  | 102.8  | 80.7   |
| 102.5° | 169.3  | 149.1  | 126.6  | 104.5  |
| 105°   | 216.2  | 191.2  | 165.3  | 140.3  |
| 107.5° | 259.6  | 232.1  | 201.0  | 178.5  |
| 110°   | 287.3  | 257.5  | 224.8  | 204.7  |



TEST NUMBER: P1427519

CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 314.2 | 283.6 | 250.2 | 230.0 |
| 115°   | 350.7 | 317.1 | 286.3 | 269.0 |
| 117.5° | 385.9 | 351.3 | 318.8 | 305.2 |
| 120°   | 407.4 | 372.8 | 341.1 | 330.5 |
| 122.5° | 425.1 | 391.2 | 361.8 | 357.4 |
| 125°   | 451.6 | 417.0 | 392.0 | 397.8 |
| 127.5° | 473.1 | 441.4 | 425.6 | 438.5 |
| 130°   | 486.2 | 458.3 | 448.7 | 467.0 |
| 132.5° | 497.7 | 476.0 | 471.8 | 496.9 |
| 135°   | 515.0 | 502.5 | 506.3 | 540.9 |
| 137.5° | 535.6 | 530.7 | 543.6 | 587.2 |
| 140°   | 548.6 | 551.5 | 569.8 | 618.8 |
| 142.5° | 566.3 | 573.0 | 596.7 | 648.7 |
| 145°   | 593.8 | 608.2 | 638.9 | 690.8 |
| 147.5° | 624.9 | 643.5 | 681.6 | 734.8 |
| 150°   | 645.7 | 669.7 | 710.0 | 761.0 |
| 152.5° | 669.5 | 694.3 | 734.6 | 786.3 |
| 155°   | 706.2 | 734.1 | 776.3 | 820.5 |
| 157.5° | 743.7 | 772.1 | 812.5 | 851.1 |
| 160°   | 766.7 | 797.5 | 834.0 | 869.5 |
| 162.5° | 792.9 | 821.3 | 853.2 | 884.9 |
| 165°   | 831.1 | 854.2 | 880.1 | 907.0 |
| 167.5° | 863.2 | 882.4 | 902.8 | 923.7 |
| 170°   | 883.9 | 899.3 | 916.6 | 932.9 |
| 172.5° | 901.6 | 913.9 | 926.6 | 940.6 |
| 175°   | 925.3 | 932.0 | 939.7 | 948.3 |
| 177.5° | 943.5 | 945.8 | 948.1 | 952.0 |
| 180°   | 951.2 | 951.2 | 951.2 | 951.2 |



TEST NUMBER: P1427519  
 CATALOG NUMBER: SQ2W-BBM-K-075U-050D-L930-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 | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 3H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 4H              | 2H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 3H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 8H              | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 12H  | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
| 12H             | 4H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 6H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |
|                 | 8H   | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 |