

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: P1427585

Luminaire Tested: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427585  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

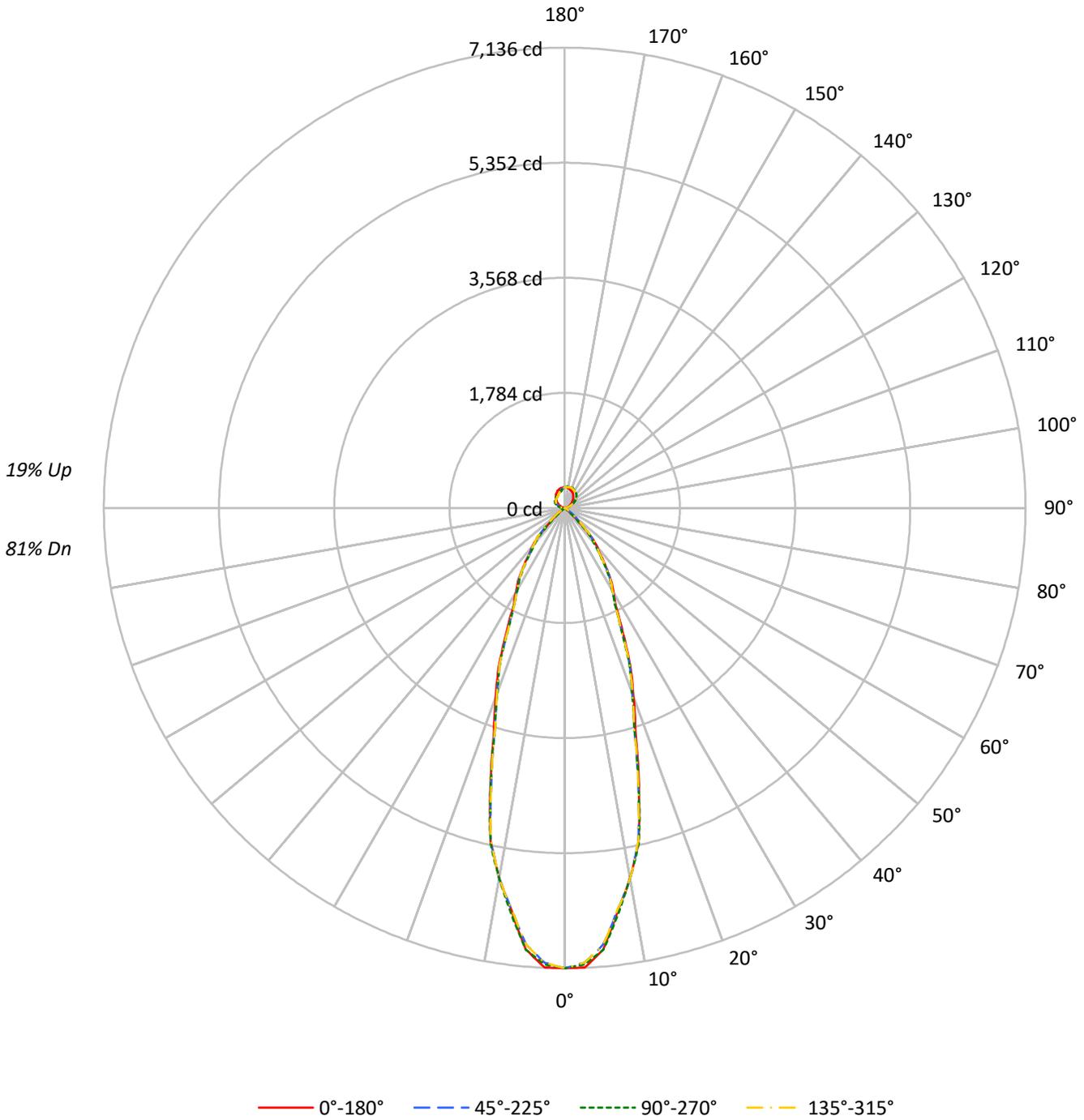
Lumens per Lamp: N/A  
Luminaire Lumens: 4789.8 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.6  
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: P1427585

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427585

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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   | 114 | 114 | 114 | 114 | 110 | 110 | 110 | 110 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 81 |
| 1   | 109 | 106 | 103 | 101 | 104 | 102 | 99  | 97  | 94  | 92  | 91  | 87 | 86 | 85 | 81 | 80 | 79 | 76 |
| 2   | 103 | 98  | 93  | 90  | 99  | 94  | 91  | 87  | 88  | 85  | 83  | 82 | 80 | 78 | 77 | 75 | 74 | 71 |
| 3   | 97  | 91  | 85  | 81  | 94  | 88  | 83  | 80  | 82  | 79  | 76  | 77 | 75 | 72 | 73 | 71 | 69 | 66 |
| 4   | 92  | 84  | 79  | 74  | 89  | 82  | 77  | 73  | 77  | 73  | 70  | 73 | 70 | 67 | 69 | 67 | 64 | 62 |
| 5   | 87  | 79  | 73  | 69  | 84  | 77  | 71  | 67  | 73  | 68  | 65  | 69 | 65 | 63 | 66 | 63 | 60 | 58 |
| 6   | 83  | 74  | 68  | 63  | 80  | 72  | 67  | 63  | 69  | 64  | 61  | 65 | 62 | 59 | 62 | 59 | 57 | 55 |
| 7   | 79  | 69  | 63  | 59  | 76  | 68  | 62  | 58  | 65  | 60  | 57  | 62 | 58 | 55 | 59 | 56 | 54 | 52 |
| 8   | 75  | 65  | 59  | 55  | 73  | 64  | 58  | 55  | 61  | 57  | 53  | 59 | 55 | 52 | 56 | 53 | 51 | 49 |
| 9   | 71  | 62  | 56  | 52  | 69  | 61  | 55  | 51  | 58  | 54  | 50  | 56 | 52 | 49 | 54 | 50 | 48 | 46 |
| 10  | 68  | 59  | 53  | 49  | 66  | 57  | 52  | 49  | 55  | 51  | 48  | 53 | 49 | 47 | 51 | 48 | 46 | 44 |

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 115219 | 115219 | 115219 | 115219 |
| 5°  | 111366 | 111430 | 111366 | 111430 |
| 10° | 95576  | 95576  | 95576  | 95576  |
| 15° | 74185  | 74013  | 74185  | 74013  |
| 20° | 53540  | 52391  | 53540  | 52391  |
| 25° | 37963  | 36520  | 37963  | 36520  |
| 30° | 28245  | 27260  | 28245  | 27260  |
| 35° | 21977  | 20964  | 21977  | 20964  |
| 40° | 16263  | 14855  | 16263  | 14855  |
| 45° | 8311   | 6695   | 8311   | 6695   |
| 50° | 1808   | 1324   | 1808   | 1324   |
| 55° | 507    | 397    | 507    | 397    |
| 60° | 84     | 42     | 84     | 42     |
| 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: 10138 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 617.1  | 12.9      |
| 10°-20°   | 1216.6 | 25.4      |
| 20°-30°   | 981.4  | 20.5      |
| 30°-40°   | 681.8  | 14.2      |
| 40°-50°   | 314.9  | 6.6       |
| 50°-60°   | 44.1   | 0.9       |
| 60°-70°   | 1.5    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 1.7    | 0.0       |
| 90°-100°  | 25.4   | 0.5       |
| 100°-110° | 74.0   | 1.5       |
| 110°-120° | 120.8  | 2.5       |
| 120°-130° | 153.3  | 3.2       |
| 130°-140° | 164.0  | 3.4       |
| 140°-150° | 153.1  | 3.2       |
| 150°-160° | 126.0  | 2.6       |
| 160°-170° | 84.5   | 1.8       |
| 170°-180° | 30.0   | 0.6       |
| 0°-30°    | 2815.2 | 58.8      |
| 0°-40°    | 3497.0 | 73.0      |
| 0°-60°    | 3856.0 | 80.5      |
| 0°-90°    | 3859.2 | 80.6      |
| 90°-120°  | 220.2  | 4.6       |
| 90°-150°  | 690.5  | 14.4      |
| 90°-180°  | 931.0  | 19.4      |
| 0°-180°   | 4789.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 7136 | 7136 | 7136 | 7136 | 7136 |      |
| 5°   | 6871 | 6875 | 6871 | 6875 | 6871 | 618  |
| 15°  | 4438 | 4428 | 4438 | 4428 | 4438 | 1222 |
| 25°  | 2131 | 2050 | 2131 | 2050 | 2131 | 998  |
| 35°  | 1115 | 1064 | 1115 | 1064 | 1115 | 698  |
| 45°  | 364  | 293  | 364  | 293  | 364  | 294  |
| 55°  | 18   | 14   | 18   | 14   | 18   | 23   |
| 65°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 75°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 85°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 90°  | 1    | 7    | 1    | 14   | 1    | 1    |
| 95°  | 10   | 7    | 10   | 44   | 10   | 12   |
| 105° | 47   | 75   | 47   | 104  | 47   | 50   |
| 115° | 90   | 125  | 90   | 154  | 90   | 89   |
| 125° | 133  | 198  | 133  | 189  | 133  | 119  |
| 135° | 181  | 259  | 181  | 209  | 181  | 140  |
| 145° | 232  | 299  | 232  | 214  | 232  | 145  |
| 155° | 275  | 325  | 275  | 222  | 275  | 126  |
| 165° | 304  | 338  | 304  | 255  | 304  | 86   |
| 175° | 318  | 331  | 318  | 299  | 318  | 30   |
| 180° | 319  | 319  | 319  | 319  | 319  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 |
| 2.5°   | 7132.2 | 7120.3 | 7108.4 | 7084.9 | 7057.5 | 7056.3 | 7081.5 | 7098.4 | 7090.6 | 7082.8 | 7090.6 |
| 5°     | 6871.4 | 6854.8 | 6838.2 | 6818.2 | 6797.1 | 6805.1 | 6842.3 | 6870.7 | 6873.0 | 6875.3 | 6873.0 |
| 7.5°   | 6295.8 | 6301.1 | 6306.5 | 6292.8 | 6272.6 | 6283.2 | 6324.3 | 6354.1 | 6349.6 | 6345.1 | 6349.6 |
| 10°    | 5829.7 | 5833.7 | 5837.7 | 5837.0 | 5834.7 | 5840.4 | 5854.1 | 5860.6 | 5845.1 | 5829.7 | 5845.1 |
| 12.5°  | 5289.6 | 5305.4 | 5321.3 | 5303.0 | 5273.3 | 5268.7 | 5289.3 | 5306.4 | 5312.9 | 5319.4 | 5312.9 |
| 15°    | 4438.2 | 4463.9 | 4489.6 | 4453.2 | 4396.0 | 4381.2 | 4408.6 | 4429.0 | 4428.5 | 4427.9 | 4428.5 |
| 17.5°  | 3639.8 | 3637.2 | 3634.5 | 3612.0 | 3582.9 | 3570.9 | 3576.0 | 3579.4 | 3577.7 | 3576.0 | 3577.7 |
| 20°    | 3116.1 | 3112.1 | 3108.1 | 3088.7 | 3064.1 | 3049.8 | 3045.8 | 3043.5 | 3046.4 | 3049.2 | 3046.4 |
| 22.5°  | 2667.5 | 2660.8 | 2654.0 | 2645.9 | 2637.4 | 2628.1 | 2618.2 | 2611.6 | 2615.4 | 2619.2 | 2615.4 |
| 25°    | 2131.0 | 2109.3 | 2087.6 | 2070.1 | 2054.1 | 2053.0 | 2066.7 | 2074.0 | 2062.0 | 2050.0 | 2062.0 |
| 27.5°  | 1710.5 | 1710.1 | 1709.8 | 1699.5 | 1685.9 | 1679.8 | 1681.3 | 1683.0 | 1685.3 | 1687.6 | 1685.3 |
| 30°    | 1515.0 | 1511.0 | 1507.0 | 1496.1 | 1483.0 | 1476.7 | 1477.3 | 1476.0 | 1469.1 | 1462.2 | 1469.1 |
| 32.5°  | 1341.1 | 1344.0 | 1346.8 | 1335.3 | 1318.9 | 1309.2 | 1306.1 | 1302.1 | 1295.2 | 1288.4 | 1295.2 |
| 35°    | 1115.0 | 1115.0 | 1115.0 | 1105.6 | 1093.0 | 1082.4 | 1073.9 | 1067.0 | 1065.3 | 1063.6 | 1065.3 |
| 37.5°  | 905.4  | 904.4  | 903.3  | 896.4  | 887.5  | 876.9  | 864.8  | 854.6  | 850.2  | 845.7  | 850.2  |
| 40°    | 771.6  | 768.8  | 765.9  | 760.9  | 755.2  | 744.9  | 730.1  | 717.3  | 711.0  | 704.8  | 711.0  |
| 42.5°  | 619.4  | 627.0  | 634.7  | 632.3  | 626.6  | 616.3  | 601.4  | 587.9  | 578.4  | 569.0  | 578.4  |
| 45°    | 364.0  | 396.0  | 428.0  | 439.4  | 444.0  | 437.7  | 420.5  | 395.0  | 344.1  | 293.2  | 344.1  |
| 47.5°  | 156.4  | 191.6  | 226.8  | 256.4  | 284.0  | 275.3  | 230.1  | 185.7  | 143.4  | 101.1  | 143.4  |
| 50°    | 72.0   | 99.5   | 126.9  | 163.8  | 203.8  | 195.5  | 138.9  | 91.6   | 72.2   | 52.7   | 72.2   |
| 52.5°  | 42.2   | 55.9   | 69.6   | 104.1  | 145.5  | 141.8  | 92.9   | 53.8   | 43.5   | 33.2   | 43.5   |
| 55°    | 18.0   | 22.6   | 27.2   | 45.9   | 69.3   | 68.2   | 42.4   | 22.1   | 18.1   | 14.1   | 18.1   |
| 57.5°  | 6.7    | 9.2    | 11.7   | 18.4   | 26.5   | 26.0   | 16.9   | 9.5    | 7.5    | 5.4    | 7.5    |
| 60°    | 2.6    | 3.7    | 4.9    | 8.1    | 12.1   | 11.9   | 7.3    | 3.6    | 2.4    | 1.3    | 2.4    |
| 62.5°  | 0.5    | 1.2    | 1.9    | 3.7    | 5.9    | 5.8    | 3.5    | 1.6    | 0.9    | 0.3    | 0.9    |
| 65°    | 0.0    | 0.0    | 0.0    | 0.4    | 1.0    | 1.0    | 0.4    | 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°  | 0.2    | 0.5    | 0.8    | 1.0    | 1.2    | 1.3    | 1.3    | 1.4    | 1.4    | 1.4    | 1.4    |
| 90°    | 1.0    | 2.3    | 3.9    | 5.2    | 6.1    | 6.4    | 6.4    | 6.8    | 7.1    | 7.1    | 7.1    |
| 92.5°  | 3.5    | 5.6    | 5.7    | 5.7    | 6.9    | 7.5    | 8.0    | 8.1    | 8.4    | 8.4    | 8.4    |
| 95°    | 10.0   | 11.0   | 16.4   | 16.1   | 11.0   | 8.7    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 97.5°  | 19.1   | 20.5   | 21.4   | 28.7   | 30.3   | 29.2   | 23.8   | 20.0   | 17.9   | 16.9   | 17.9   |
| 100°   | 27.1   | 27.7   | 29.6   | 30.0   | 38.0   | 45.7   | 41.9   | 37.0   | 35.4   | 34.5   | 35.4   |
| 102.5° | 35.0   | 35.4   | 38.4   | 39.7   | 41.6   | 46.0   | 59.4   | 57.9   | 56.8   | 56.6   | 56.8   |
| 105°   | 47.0   | 47.3   | 52.8   | 55.4   | 56.7   | 56.7   | 56.4   | 62.8   | 73.1   | 75.4   | 73.1   |
| 107.5° | 59.8   | 61.3   | 67.8   | 74.7   | 76.1   | 76.5   | 74.9   | 73.9   | 73.5   | 73.8   | 73.5   |
| 110°   | 68.6   | 70.9   | 78.6   | 87.3   | 89.5   | 90.2   | 89.5   | 88.6   | 87.9   | 87.9   | 87.9   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 77.1  | 80.4  | 89.2  | 99.1  | 102.9 | 104.9 | 103.5 | 102.7 | 102.1 | 102.6 | 102.1 |
| 115°   | 90.2  | 95.0  | 106.6 | 116.9 | 124.6 | 125.6 | 125.3 | 125.3 | 125.0 | 125.0 | 125.0 |
| 117.5° | 102.3 | 110.0 | 123.0 | 135.0 | 144.0 | 146.5 | 147.8 | 147.5 | 147.1 | 147.7 | 147.1 |
| 120°   | 110.8 | 119.8 | 134.6 | 148.2 | 156.9 | 160.7 | 162.0 | 161.4 | 162.0 | 161.4 | 162.0 |
| 122.5° | 119.8 | 130.9 | 145.5 | 159.5 | 169.7 | 174.1 | 175.7 | 175.8 | 175.9 | 175.5 | 175.9 |
| 125°   | 133.3 | 146.9 | 163.9 | 178.4 | 189.1 | 194.2 | 195.5 | 195.8 | 196.5 | 198.1 | 196.5 |
| 127.5° | 147.0 | 162.3 | 181.1 | 195.1 | 205.9 | 212.2 | 214.2 | 214.9 | 216.2 | 217.0 | 216.2 |
| 130°   | 156.5 | 173.9 | 192.9 | 206.1 | 216.8 | 223.5 | 227.1 | 228.0 | 229.6 | 229.3 | 229.6 |
| 132.5° | 166.6 | 184.7 | 204.0 | 217.7 | 227.6 | 234.9 | 237.9 | 240.7 | 241.2 | 241.7 | 241.2 |
| 135°   | 181.3 | 201.0 | 220.3 | 233.8 | 243.2 | 250.3 | 254.1 | 256.7 | 258.3 | 259.3 | 258.3 |
| 137.5° | 196.9 | 217.6 | 236.2 | 248.2 | 257.6 | 263.7 | 268.1 | 270.8 | 272.5 | 273.3 | 272.5 |
| 140°   | 207.4 | 227.4 | 245.4 | 258.0 | 266.4 | 272.5 | 276.3 | 279.6 | 281.5 | 281.5 | 281.5 |
| 142.5° | 217.5 | 237.2 | 254.7 | 267.3 | 274.6 | 280.2 | 284.3 | 286.8 | 289.0 | 289.0 | 289.0 |
| 145°   | 231.6 | 251.2 | 267.3 | 279.9 | 286.0 | 291.2 | 295.7 | 297.6 | 298.9 | 298.9 | 298.9 |
| 147.5° | 246.3 | 263.7 | 278.4 | 290.5 | 295.6 | 301.7 | 305.2 | 306.8 | 308.4 | 307.7 | 308.4 |
| 150°   | 255.1 | 271.2 | 285.4 | 296.6 | 301.8 | 307.6 | 311.1 | 312.4 | 314.0 | 313.1 | 314.0 |
| 152.5° | 263.6 | 278.9 | 291.8 | 302.3 | 306.7 | 312.5 | 316.5 | 317.8 | 318.9 | 318.2 | 318.9 |
| 155°   | 275.1 | 288.6 | 300.5 | 310.2 | 314.0 | 319.5 | 323.4 | 325.0 | 326.3 | 324.7 | 326.3 |
| 157.5° | 285.3 | 297.0 | 307.3 | 316.2 | 320.3 | 325.0 | 328.7 | 330.7 | 331.9 | 331.2 | 331.9 |
| 160°   | 291.5 | 302.1 | 311.5 | 319.8 | 323.7 | 327.9 | 331.7 | 334.0 | 335.3 | 334.3 | 335.3 |
| 162.5° | 296.6 | 306.2 | 315.1 | 322.7 | 326.0 | 329.7 | 334.3 | 336.3 | 337.6 | 336.4 | 337.6 |
| 165°   | 304.0 | 311.8 | 319.5 | 326.0 | 328.8 | 331.7 | 336.6 | 338.8 | 339.8 | 338.5 | 339.8 |
| 167.5° | 309.7 | 315.6 | 321.8 | 327.4 | 329.5 | 332.3 | 337.2 | 339.0 | 340.3 | 338.6 | 340.3 |
| 170°   | 312.7 | 317.9 | 323.4 | 327.9 | 329.5 | 332.1 | 336.9 | 338.5 | 339.5 | 337.9 | 339.5 |
| 172.5° | 315.3 | 319.2 | 323.6 | 327.6 | 328.5 | 330.5 | 335.1 | 336.7 | 337.4 | 336.1 | 337.4 |
| 175°   | 317.9 | 320.2 | 323.4 | 326.0 | 325.6 | 326.9 | 330.8 | 332.1 | 333.4 | 331.4 | 333.4 |
| 177.5° | 319.1 | 320.2 | 321.2 | 322.7 | 321.7 | 321.7 | 324.5 | 325.3 | 325.6 | 324.5 | 325.6 |
| 180°   | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 |
| 2.5°   | 7098.4 | 7081.5 | 7056.3 | 7057.5 | 7084.9 | 7108.4 | 7120.3 | 7132.2 | 7120.3 | 7108.4 | 7084.9 |
| 5°     | 6870.7 | 6842.3 | 6805.1 | 6797.1 | 6818.2 | 6838.2 | 6854.8 | 6871.4 | 6854.8 | 6838.2 | 6818.2 |
| 7.5°   | 6354.1 | 6324.3 | 6283.2 | 6272.6 | 6292.8 | 6306.5 | 6301.1 | 6295.8 | 6301.1 | 6306.5 | 6292.8 |
| 10°    | 5860.6 | 5854.1 | 5840.4 | 5834.7 | 5837.0 | 5837.7 | 5833.7 | 5829.7 | 5833.7 | 5837.7 | 5837.0 |
| 12.5°  | 5306.4 | 5289.3 | 5268.7 | 5273.3 | 5303.0 | 5321.3 | 5305.4 | 5289.6 | 5305.4 | 5321.3 | 5303.0 |
| 15°    | 4429.0 | 4408.6 | 4381.2 | 4396.0 | 4453.2 | 4489.6 | 4463.9 | 4438.2 | 4463.9 | 4489.6 | 4453.2 |
| 17.5°  | 3579.4 | 3576.0 | 3570.9 | 3582.9 | 3612.0 | 3634.5 | 3637.2 | 3639.8 | 3637.2 | 3634.5 | 3612.0 |
| 20°    | 3043.5 | 3045.8 | 3049.8 | 3064.1 | 3088.7 | 3108.1 | 3112.1 | 3116.1 | 3112.1 | 3108.1 | 3088.7 |
| 22.5°  | 2611.6 | 2618.2 | 2628.1 | 2637.4 | 2645.9 | 2654.0 | 2660.8 | 2667.5 | 2660.8 | 2654.0 | 2645.9 |
| 25°    | 2074.0 | 2066.7 | 2053.0 | 2054.1 | 2070.1 | 2087.6 | 2109.3 | 2131.0 | 2109.3 | 2087.6 | 2070.1 |
| 27.5°  | 1683.0 | 1681.3 | 1679.8 | 1685.9 | 1699.5 | 1709.8 | 1710.1 | 1710.5 | 1710.1 | 1709.8 | 1699.5 |
| 30°    | 1476.0 | 1477.3 | 1476.7 | 1483.0 | 1496.1 | 1507.0 | 1511.0 | 1515.0 | 1511.0 | 1507.0 | 1496.1 |
| 32.5°  | 1302.1 | 1306.1 | 1309.2 | 1318.9 | 1335.3 | 1346.8 | 1344.0 | 1341.1 | 1344.0 | 1346.8 | 1335.3 |
| 35°    | 1067.0 | 1073.9 | 1082.4 | 1093.0 | 1105.6 | 1115.0 | 1115.0 | 1115.0 | 1115.0 | 1115.0 | 1105.6 |
| 37.5°  | 854.6  | 864.8  | 876.9  | 887.5  | 896.4  | 903.3  | 904.4  | 905.4  | 904.4  | 903.3  | 896.4  |
| 40°    | 717.3  | 730.1  | 744.9  | 755.2  | 760.9  | 765.9  | 768.8  | 771.6  | 768.8  | 765.9  | 760.9  |
| 42.5°  | 587.9  | 601.4  | 616.3  | 626.6  | 632.3  | 634.7  | 627.0  | 619.4  | 627.0  | 634.7  | 632.3  |
| 45°    | 395.0  | 420.5  | 437.7  | 444.0  | 439.4  | 428.0  | 396.0  | 364.0  | 396.0  | 428.0  | 439.4  |
| 47.5°  | 185.7  | 230.1  | 275.3  | 284.0  | 256.4  | 226.8  | 191.6  | 156.4  | 191.6  | 226.8  | 256.4  |
| 50°    | 91.6   | 138.9  | 195.5  | 203.8  | 163.8  | 126.9  | 99.5   | 72.0   | 99.5   | 126.9  | 163.8  |
| 52.5°  | 53.8   | 92.9   | 141.8  | 145.5  | 104.1  | 69.6   | 55.9   | 42.2   | 55.9   | 69.6   | 104.1  |
| 55°    | 22.1   | 42.4   | 68.2   | 69.3   | 45.9   | 27.2   | 22.6   | 18.0   | 22.6   | 27.2   | 45.9   |
| 57.5°  | 9.5    | 16.9   | 26.0   | 26.5   | 18.4   | 11.7   | 9.2    | 6.7    | 9.2    | 11.7   | 18.4   |
| 60°    | 3.6    | 7.3    | 11.9   | 12.1   | 8.1    | 4.9    | 3.7    | 2.6    | 3.7    | 4.9    | 8.1    |
| 62.5°  | 1.6    | 3.5    | 5.8    | 5.9    | 3.7    | 1.9    | 1.2    | 0.5    | 1.2    | 1.9    | 3.7    |
| 65°    | 0.0    | 0.4    | 1.0    | 1.0    | 0.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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°  | 1.4    | 1.3    | 1.3    | 1.2    | 1.0    | 0.8    | 0.5    | 0.2    | 0.5    | 0.7    | 1.2    |
| 90°    | 6.8    | 6.4    | 6.4    | 6.1    | 5.2    | 3.9    | 2.3    | 1.0    | 2.3    | 3.5    | 5.8    |
| 92.5°  | 8.1    | 8.0    | 7.5    | 6.9    | 5.7    | 5.7    | 5.6    | 3.5    | 6.1    | 8.7    | 12.5   |
| 95°    | 7.4    | 7.4    | 8.7    | 11.0   | 16.1   | 16.4   | 11.0   | 10.0   | 14.2   | 20.0   | 25.1   |
| 97.5°  | 20.0   | 23.8   | 29.2   | 30.3   | 28.7   | 21.4   | 20.5   | 19.1   | 26.0   | 31.7   | 40.0   |
| 100°   | 37.0   | 41.9   | 45.7   | 38.0   | 30.0   | 29.6   | 27.7   | 27.1   | 34.5   | 39.9   | 48.0   |
| 102.5° | 57.9   | 59.4   | 46.0   | 41.6   | 39.7   | 38.4   | 35.4   | 35.0   | 42.5   | 50.0   | 56.8   |
| 105°   | 62.8   | 56.4   | 56.7   | 56.7   | 55.4   | 52.8   | 47.3   | 47.0   | 55.4   | 64.1   | 72.5   |
| 107.5° | 73.9   | 74.9   | 76.5   | 76.1   | 74.7   | 67.8   | 61.3   | 59.8   | 67.4   | 77.8   | 87.0   |
| 110°   | 88.6   | 89.5   | 90.2   | 89.5   | 87.3   | 78.6   | 70.9   | 68.6   | 75.4   | 86.3   | 96.3   |



TEST NUMBER: P1427585

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**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 102.7 | 103.5 | 104.9 | 102.9 | 99.1  | 89.2  | 80.4  | 77.1  | 83.9  | 95.1  | 105.3 |
| 115°   | 125.3 | 125.3 | 125.6 | 124.6 | 116.9 | 106.6 | 95.0  | 90.2  | 96.0  | 106.3 | 117.6 |
| 117.5° | 147.5 | 147.8 | 146.5 | 144.0 | 135.0 | 123.0 | 110.0 | 102.3 | 106.9 | 117.8 | 129.3 |
| 120°   | 161.4 | 162.0 | 160.7 | 156.9 | 148.2 | 134.6 | 119.8 | 110.8 | 114.3 | 125.0 | 136.6 |
| 122.5° | 175.8 | 175.7 | 174.1 | 169.7 | 159.5 | 145.5 | 130.9 | 119.8 | 121.3 | 131.2 | 142.5 |
| 125°   | 195.8 | 195.5 | 194.2 | 189.1 | 178.4 | 163.9 | 146.9 | 133.3 | 131.4 | 139.8 | 151.4 |
| 127.5° | 214.9 | 214.2 | 212.2 | 205.9 | 195.1 | 181.1 | 162.3 | 147.0 | 142.7 | 148.0 | 158.6 |
| 130°   | 228.0 | 227.1 | 223.5 | 216.8 | 206.1 | 192.9 | 173.9 | 156.5 | 150.4 | 153.6 | 163.0 |
| 132.5° | 240.7 | 237.9 | 234.9 | 227.6 | 217.7 | 204.0 | 184.7 | 166.6 | 158.1 | 159.6 | 166.8 |
| 135°   | 256.7 | 254.1 | 250.3 | 243.2 | 233.8 | 220.3 | 201.0 | 181.3 | 169.7 | 168.5 | 172.6 |
| 137.5° | 270.8 | 268.1 | 263.7 | 257.6 | 248.2 | 236.2 | 217.6 | 196.9 | 182.2 | 177.9 | 179.5 |
| 140°   | 279.6 | 276.3 | 272.5 | 266.4 | 258.0 | 245.4 | 227.4 | 207.4 | 191.0 | 184.9 | 183.9 |
| 142.5° | 286.8 | 284.3 | 280.2 | 274.6 | 267.3 | 254.7 | 237.2 | 217.5 | 200.0 | 192.1 | 189.8 |
| 145°   | 297.6 | 295.7 | 291.2 | 286.0 | 279.9 | 267.3 | 251.2 | 231.6 | 214.2 | 203.9 | 199.0 |
| 147.5° | 306.8 | 305.2 | 301.7 | 295.6 | 290.5 | 278.4 | 263.7 | 246.3 | 228.5 | 215.7 | 209.5 |
| 150°   | 312.4 | 311.1 | 307.6 | 301.8 | 296.6 | 285.4 | 271.2 | 255.1 | 238.0 | 224.5 | 216.4 |
| 152.5° | 317.8 | 316.5 | 312.5 | 306.7 | 302.3 | 291.8 | 278.9 | 263.6 | 246.3 | 232.7 | 224.4 |
| 155°   | 325.0 | 323.4 | 319.5 | 314.0 | 310.2 | 300.5 | 288.6 | 275.1 | 260.2 | 246.1 | 236.7 |
| 157.5° | 330.7 | 328.7 | 325.0 | 320.3 | 316.2 | 307.3 | 297.0 | 285.3 | 272.4 | 258.8 | 249.3 |
| 160°   | 334.0 | 331.7 | 327.9 | 323.7 | 319.8 | 311.5 | 302.1 | 291.5 | 279.6 | 267.3 | 257.0 |
| 162.5° | 336.3 | 334.3 | 329.7 | 326.0 | 322.7 | 315.1 | 306.2 | 296.6 | 286.0 | 275.3 | 265.8 |
| 165°   | 338.8 | 336.6 | 331.7 | 328.8 | 326.0 | 319.5 | 311.8 | 304.0 | 295.0 | 286.3 | 278.6 |
| 167.5° | 339.0 | 337.2 | 332.3 | 329.5 | 327.4 | 321.8 | 315.6 | 309.7 | 302.6 | 295.8 | 289.4 |
| 170°   | 338.5 | 336.9 | 332.1 | 329.5 | 327.9 | 323.4 | 317.9 | 312.7 | 307.3 | 301.5 | 296.3 |
| 172.5° | 336.7 | 335.1 | 330.5 | 328.5 | 327.6 | 323.6 | 319.2 | 315.3 | 310.6 | 306.4 | 302.2 |
| 175°   | 332.1 | 330.8 | 326.9 | 325.6 | 326.0 | 323.4 | 320.2 | 317.9 | 315.0 | 312.4 | 310.2 |
| 177.5° | 325.3 | 324.5 | 321.7 | 321.7 | 322.7 | 321.2 | 320.2 | 319.1 | 317.8 | 317.1 | 316.3 |
| 180°   | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427585

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 | 7136.3 |
| 2.5°   | 7057.5 | 7056.3 | 7081.5 | 7098.4 | 7090.6 | 7082.8 | 7090.6 | 7098.4 | 7081.5 | 7056.3 | 7057.5 |
| 5°     | 6797.1 | 6805.1 | 6842.3 | 6870.7 | 6873.0 | 6875.3 | 6873.0 | 6870.7 | 6842.3 | 6805.1 | 6797.1 |
| 7.5°   | 6272.6 | 6283.2 | 6324.3 | 6354.1 | 6349.6 | 6345.1 | 6349.6 | 6354.1 | 6324.3 | 6283.2 | 6272.6 |
| 10°    | 5834.7 | 5840.4 | 5854.1 | 5860.6 | 5845.1 | 5829.7 | 5845.1 | 5860.6 | 5854.1 | 5840.4 | 5834.7 |
| 12.5°  | 5273.3 | 5268.7 | 5289.3 | 5306.4 | 5312.9 | 5319.4 | 5312.9 | 5306.4 | 5289.3 | 5268.7 | 5273.3 |
| 15°    | 4396.0 | 4381.2 | 4408.6 | 4429.0 | 4428.5 | 4427.9 | 4428.5 | 4429.0 | 4408.6 | 4381.2 | 4396.0 |
| 17.5°  | 3582.9 | 3570.9 | 3576.0 | 3579.4 | 3577.7 | 3576.0 | 3577.7 | 3579.4 | 3576.0 | 3570.9 | 3582.9 |
| 20°    | 3064.1 | 3049.8 | 3045.8 | 3043.5 | 3046.4 | 3049.2 | 3046.4 | 3043.5 | 3045.8 | 3049.8 | 3064.1 |
| 22.5°  | 2637.4 | 2628.1 | 2618.2 | 2611.6 | 2615.4 | 2619.2 | 2615.4 | 2611.6 | 2618.2 | 2628.1 | 2637.4 |
| 25°    | 2054.1 | 2053.0 | 2066.7 | 2074.0 | 2062.0 | 2050.0 | 2062.0 | 2074.0 | 2066.7 | 2053.0 | 2054.1 |
| 27.5°  | 1685.9 | 1679.8 | 1681.3 | 1683.0 | 1685.3 | 1687.6 | 1685.3 | 1683.0 | 1681.3 | 1679.8 | 1685.9 |
| 30°    | 1483.0 | 1476.7 | 1477.3 | 1476.0 | 1469.1 | 1462.2 | 1469.1 | 1476.0 | 1477.3 | 1476.7 | 1483.0 |
| 32.5°  | 1318.9 | 1309.2 | 1306.1 | 1302.1 | 1295.2 | 1288.4 | 1295.2 | 1302.1 | 1306.1 | 1309.2 | 1318.9 |
| 35°    | 1093.0 | 1082.4 | 1073.9 | 1067.0 | 1065.3 | 1063.6 | 1065.3 | 1067.0 | 1073.9 | 1082.4 | 1093.0 |
| 37.5°  | 887.5  | 876.9  | 864.8  | 854.6  | 850.2  | 845.7  | 850.2  | 854.6  | 864.8  | 876.9  | 887.5  |
| 40°    | 755.2  | 744.9  | 730.1  | 717.3  | 711.0  | 704.8  | 711.0  | 717.3  | 730.1  | 744.9  | 755.2  |
| 42.5°  | 626.6  | 616.3  | 601.4  | 587.9  | 578.4  | 569.0  | 578.4  | 587.9  | 601.4  | 616.3  | 626.6  |
| 45°    | 444.0  | 437.7  | 420.5  | 395.0  | 344.1  | 293.2  | 344.1  | 395.0  | 420.5  | 437.7  | 444.0  |
| 47.5°  | 284.0  | 275.3  | 230.1  | 185.7  | 143.4  | 101.1  | 143.4  | 185.7  | 230.1  | 275.3  | 284.0  |
| 50°    | 203.8  | 195.5  | 138.9  | 91.6   | 72.2   | 52.7   | 72.2   | 91.6   | 138.9  | 195.5  | 203.8  |
| 52.5°  | 145.5  | 141.8  | 92.9   | 53.8   | 43.5   | 33.2   | 43.5   | 53.8   | 92.9   | 141.8  | 145.5  |
| 55°    | 69.3   | 68.2   | 42.4   | 22.1   | 18.1   | 14.1   | 18.1   | 22.1   | 42.4   | 68.2   | 69.3   |
| 57.5°  | 26.5   | 26.0   | 16.9   | 9.5    | 7.5    | 5.4    | 7.5    | 9.5    | 16.9   | 26.0   | 26.5   |
| 60°    | 12.1   | 11.9   | 7.3    | 3.6    | 2.4    | 1.3    | 2.4    | 3.6    | 7.3    | 11.9   | 12.1   |
| 62.5°  | 5.9    | 5.8    | 3.5    | 1.6    | 0.9    | 0.3    | 0.9    | 1.6    | 3.5    | 5.8    | 5.9    |
| 65°    | 1.0    | 1.0    | 0.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 1.0    | 1.0    |
| 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°  | 1.5    | 1.9    | 2.4    | 2.6    | 2.9    | 2.8    | 2.9    | 2.6    | 2.4    | 1.9    | 1.5    |
| 90°    | 7.4    | 9.7    | 11.9   | 13.2   | 14.5   | 13.8   | 14.5   | 13.2   | 11.9   | 9.7    | 7.4    |
| 92.5°  | 14.9   | 18.7   | 21.5   | 23.8   | 24.8   | 24.7   | 24.8   | 23.8   | 21.5   | 18.7   | 14.9   |
| 95°    | 30.0   | 34.5   | 39.0   | 42.2   | 44.1   | 43.5   | 44.1   | 42.2   | 39.0   | 34.5   | 30.0   |
| 97.5°  | 46.2   | 52.2   | 57.3   | 60.3   | 62.2   | 63.5   | 62.2   | 60.3   | 57.3   | 52.2   | 46.2   |
| 100°   | 57.0   | 62.8   | 68.6   | 72.1   | 75.4   | 76.7   | 75.4   | 72.1   | 68.6   | 62.8   | 57.0   |
| 102.5° | 65.8   | 73.4   | 79.7   | 83.5   | 86.2   | 87.5   | 86.2   | 83.5   | 79.7   | 73.4   | 65.8   |
| 105°   | 80.2   | 88.3   | 95.0   | 99.8   | 102.7  | 103.7  | 102.7  | 99.8   | 95.0   | 88.3   | 80.2   |
| 107.5° | 94.6   | 102.9  | 109.2  | 114.5  | 118.1  | 120.1  | 118.1  | 114.5  | 109.2  | 102.9  | 94.6   |
| 110°   | 106.0  | 112.7  | 119.5  | 124.3  | 127.9  | 129.2  | 127.9  | 124.3  | 119.5  | 112.7  | 106.0  |



TEST NUMBER: P1427585

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 115.5 | 123.0 | 129.8 | 134.6 | 138.7 | 140.5 | 138.7 | 134.6 | 129.8 | 123.0 | 115.5 |
| 115°   | 128.8 | 138.8 | 144.9 | 149.4 | 152.3 | 154.0 | 152.3 | 149.4 | 144.9 | 138.8 | 128.8 |
| 117.5° | 139.9 | 150.3 | 157.0 | 160.5 | 161.9 | 163.0 | 161.9 | 160.5 | 157.0 | 150.3 | 139.9 |
| 120°   | 146.9 | 156.5 | 164.3 | 168.8 | 170.4 | 171.0 | 170.4 | 168.8 | 164.3 | 156.5 | 146.9 |
| 122.5° | 153.3 | 162.5 | 169.9 | 175.5 | 178.1 | 178.8 | 178.1 | 175.5 | 169.9 | 162.5 | 153.3 |
| 125°   | 162.3 | 171.0 | 178.8 | 184.2 | 187.1 | 188.7 | 187.1 | 184.2 | 178.8 | 171.0 | 162.3 |
| 127.5° | 170.2 | 179.6 | 186.7 | 191.6 | 194.5 | 195.8 | 194.5 | 191.6 | 186.7 | 179.6 | 170.2 |
| 130°   | 174.6 | 184.2 | 191.3 | 196.8 | 199.4 | 200.7 | 199.4 | 196.8 | 191.3 | 184.2 | 174.6 |
| 132.5° | 177.9 | 188.1 | 195.4 | 200.4 | 203.2 | 204.5 | 203.2 | 200.4 | 195.4 | 188.1 | 177.9 |
| 135°   | 182.0 | 192.6 | 200.3 | 205.2 | 207.7 | 209.0 | 207.7 | 205.2 | 200.3 | 192.6 | 182.0 |
| 137.5° | 185.5 | 195.2 | 203.2 | 208.3 | 210.6 | 211.5 | 210.6 | 208.3 | 203.2 | 195.2 | 185.5 |
| 140°   | 188.1 | 196.5 | 204.5 | 209.4 | 211.9 | 212.3 | 211.9 | 209.4 | 204.5 | 196.5 | 188.1 |
| 142.5° | 191.4 | 198.0 | 205.0 | 209.9 | 212.4 | 213.0 | 212.4 | 209.9 | 205.0 | 198.0 | 191.4 |
| 145°   | 197.4 | 201.3 | 206.1 | 210.6 | 212.9 | 213.5 | 212.9 | 210.6 | 206.1 | 201.3 | 197.4 |
| 147.5° | 205.0 | 206.2 | 208.7 | 211.7 | 213.9 | 214.3 | 213.9 | 211.7 | 208.7 | 206.2 | 205.0 |
| 150°   | 210.6 | 210.3 | 211.3 | 213.2 | 215.2 | 214.8 | 215.2 | 213.2 | 211.3 | 210.3 | 210.6 |
| 152.5° | 217.1 | 215.2 | 215.2 | 216.1 | 217.0 | 216.9 | 217.0 | 216.1 | 215.2 | 215.2 | 217.1 |
| 155°   | 228.0 | 224.5 | 222.6 | 221.9 | 221.9 | 221.6 | 221.9 | 221.9 | 222.6 | 224.5 | 228.0 |
| 157.5° | 240.1 | 235.1 | 232.2 | 230.7 | 230.2 | 229.5 | 230.2 | 230.7 | 232.2 | 235.1 | 240.1 |
| 160°   | 248.3 | 242.9 | 240.0 | 237.4 | 236.4 | 235.4 | 236.4 | 237.4 | 240.0 | 242.9 | 248.3 |
| 162.5° | 256.1 | 250.8 | 247.7 | 245.4 | 244.4 | 242.9 | 244.4 | 245.4 | 247.7 | 250.8 | 256.1 |
| 165°   | 268.6 | 263.1 | 259.6 | 257.7 | 256.4 | 255.1 | 256.4 | 257.7 | 259.6 | 263.1 | 268.6 |
| 167.5° | 281.2 | 275.2 | 272.9 | 270.7 | 269.5 | 267.1 | 269.5 | 270.7 | 272.9 | 275.2 | 281.2 |
| 170°   | 288.9 | 283.4 | 282.1 | 280.2 | 278.0 | 275.4 | 278.0 | 280.2 | 282.1 | 283.4 | 288.9 |
| 172.5° | 295.6 | 291.9 | 290.6 | 288.7 | 288.0 | 285.9 | 288.0 | 288.7 | 290.6 | 291.9 | 295.6 |
| 175°   | 305.3 | 302.4 | 302.4 | 302.1 | 301.1 | 299.2 | 301.1 | 302.1 | 302.4 | 302.4 | 305.3 |
| 177.5° | 313.5 | 311.9 | 312.9 | 312.9 | 312.7 | 310.9 | 312.7 | 312.9 | 312.9 | 311.9 | 313.5 |
| 180°   | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427585

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 7136.3 | 7136.3 | 7136.3 | 7136.3 |
| 2.5°   | 7084.9 | 7108.4 | 7120.3 | 7132.2 |
| 5°     | 6818.2 | 6838.2 | 6854.8 | 6871.4 |
| 7.5°   | 6292.8 | 6306.5 | 6301.1 | 6295.8 |
| 10°    | 5837.0 | 5837.7 | 5833.7 | 5829.7 |
| 12.5°  | 5303.0 | 5321.3 | 5305.4 | 5289.6 |
| 15°    | 4453.2 | 4489.6 | 4463.9 | 4438.2 |
| 17.5°  | 3612.0 | 3634.5 | 3637.2 | 3639.8 |
| 20°    | 3088.7 | 3108.1 | 3112.1 | 3116.1 |
| 22.5°  | 2645.9 | 2654.0 | 2660.8 | 2667.5 |
| 25°    | 2070.1 | 2087.6 | 2109.3 | 2131.0 |
| 27.5°  | 1699.5 | 1709.8 | 1710.1 | 1710.5 |
| 30°    | 1496.1 | 1507.0 | 1511.0 | 1515.0 |
| 32.5°  | 1335.3 | 1346.8 | 1344.0 | 1341.1 |
| 35°    | 1105.6 | 1115.0 | 1115.0 | 1115.0 |
| 37.5°  | 896.4  | 903.3  | 904.4  | 905.4  |
| 40°    | 760.9  | 765.9  | 768.8  | 771.6  |
| 42.5°  | 632.3  | 634.7  | 627.0  | 619.4  |
| 45°    | 439.4  | 428.0  | 396.0  | 364.0  |
| 47.5°  | 256.4  | 226.8  | 191.6  | 156.4  |
| 50°    | 163.8  | 126.9  | 99.5   | 72.0   |
| 52.5°  | 104.1  | 69.6   | 55.9   | 42.2   |
| 55°    | 45.9   | 27.2   | 22.6   | 18.0   |
| 57.5°  | 18.4   | 11.7   | 9.2    | 6.7    |
| 60°    | 8.1    | 4.9    | 3.7    | 2.6    |
| 62.5°  | 3.7    | 1.9    | 1.2    | 0.5    |
| 65°    | 0.4    | 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°  | 1.2    | 0.7    | 0.5    | 0.2    |
| 90°    | 5.8    | 3.5    | 2.3    | 1.0    |
| 92.5°  | 12.5   | 8.7    | 6.1    | 3.5    |
| 95°    | 25.1   | 20.0   | 14.2   | 10.0   |
| 97.5°  | 40.0   | 31.7   | 26.0   | 19.1   |
| 100°   | 48.0   | 39.9   | 34.5   | 27.1   |
| 102.5° | 56.8   | 50.0   | 42.5   | 35.0   |
| 105°   | 72.5   | 64.1   | 55.4   | 47.0   |
| 107.5° | 87.0   | 77.8   | 67.4   | 59.8   |
| 110°   | 96.3   | 86.3   | 75.4   | 68.6   |



TEST NUMBER: P1427585

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 105.3 | 95.1  | 83.9  | 77.1  |
| 115°   | 117.6 | 106.3 | 96.0  | 90.2  |
| 117.5° | 129.3 | 117.8 | 106.9 | 102.3 |
| 120°   | 136.6 | 125.0 | 114.3 | 110.8 |
| 122.5° | 142.5 | 131.2 | 121.3 | 119.8 |
| 125°   | 151.4 | 139.8 | 131.4 | 133.3 |
| 127.5° | 158.6 | 148.0 | 142.7 | 147.0 |
| 130°   | 163.0 | 153.6 | 150.4 | 156.5 |
| 132.5° | 166.8 | 159.6 | 158.1 | 166.6 |
| 135°   | 172.6 | 168.5 | 169.7 | 181.3 |
| 137.5° | 179.5 | 177.9 | 182.2 | 196.9 |
| 140°   | 183.9 | 184.9 | 191.0 | 207.4 |
| 142.5° | 189.8 | 192.1 | 200.0 | 217.5 |
| 145°   | 199.0 | 203.9 | 214.2 | 231.6 |
| 147.5° | 209.5 | 215.7 | 228.5 | 246.3 |
| 150°   | 216.4 | 224.5 | 238.0 | 255.1 |
| 152.5° | 224.4 | 232.7 | 246.3 | 263.6 |
| 155°   | 236.7 | 246.1 | 260.2 | 275.1 |
| 157.5° | 249.3 | 258.8 | 272.4 | 285.3 |
| 160°   | 257.0 | 267.3 | 279.6 | 291.5 |
| 162.5° | 265.8 | 275.3 | 286.0 | 296.6 |
| 165°   | 278.6 | 286.3 | 295.0 | 304.0 |
| 167.5° | 289.4 | 295.8 | 302.6 | 309.7 |
| 170°   | 296.3 | 301.5 | 307.3 | 312.7 |
| 172.5° | 302.2 | 306.4 | 310.6 | 315.3 |
| 175°   | 310.2 | 312.4 | 315.0 | 317.9 |
| 177.5° | 316.3 | 317.1 | 317.8 | 319.1 |
| 180°   | 318.9 | 318.9 | 318.9 | 318.9 |



TEST NUMBER: P1427585  
 CATALOG NUMBER: SQ2W-BBN-K-025U-100D-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 |