

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: P1427587

Luminaire Tested: SQ2W-BBN-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427587  
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-L940-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

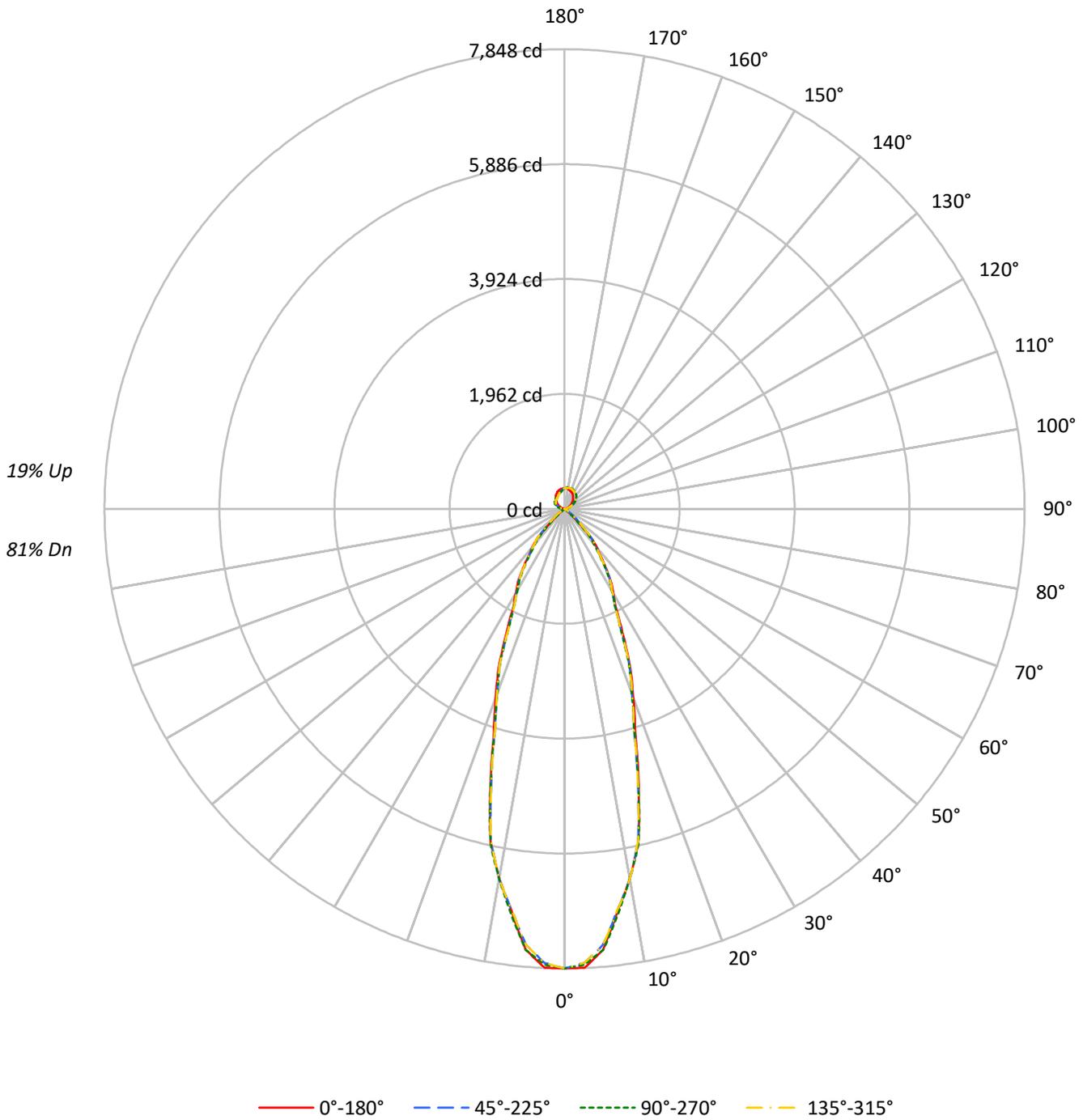
Lumens per Lamp: N/A  
Luminaire Lumens: 5267.8 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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: P1427587

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L940-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427587

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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°  | 126717 | 126717 | 126717 | 126717 |
| 5°  | 122478 | 122548 | 122478 | 122548 |
| 10° | 105112 | 105112 | 105112 | 105112 |
| 15° | 81586  | 81398  | 81586  | 81398  |
| 20° | 58882  | 57619  | 58882  | 57619  |
| 25° | 41750  | 40163  | 41750  | 40163  |
| 30° | 31062  | 29982  | 31062  | 29982  |
| 35° | 24170  | 23055  | 24170  | 23055  |
| 40° | 17886  | 16336  | 17886  | 16336  |
| 45° | 9140   | 7364   | 9140   | 7364   |
| 50° | 1989   | 1457   | 1989   | 1457   |
| 55° | 557    | 439    | 557    | 439    |
| 60° | 90     | 45     | 90     | 45     |
| 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: 11149 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 678.7  | 12.9      |
| 10°-20°   | 1338.0 | 25.4      |
| 20°-30°   | 1079.3 | 20.5      |
| 30°-40°   | 749.8  | 14.2      |
| 40°-50°   | 346.4  | 6.6       |
| 50°-60°   | 48.5   | 0.9       |
| 60°-70°   | 1.7    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 1.9    | 0.0       |
| 90°-100°  | 27.9   | 0.5       |
| 100°-110° | 81.4   | 1.5       |
| 110°-120° | 132.8  | 2.5       |
| 120°-130° | 168.5  | 3.2       |
| 130°-140° | 180.3  | 3.4       |
| 140°-150° | 168.4  | 3.2       |
| 150°-160° | 138.6  | 2.6       |
| 160°-170° | 92.9   | 1.8       |
| 170°-180° | 33.0   | 0.6       |
| 0°-30°    | 3096.1 | 58.8      |
| 0°-40°    | 3845.9 | 73.0      |
| 0°-60°    | 4240.7 | 80.5      |
| 0°-90°    | 4244.3 | 80.6      |
| 90°-120°  | 242.1  | 4.6       |
| 90°-150°  | 759.4  | 14.4      |
| 90°-180°  | 1024.0 | 19.4      |
| 0°-180°   | 5267.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 7848 | 7848 | 7848 | 7848 | 7848 |      |
| 5°   | 7557 | 7561 | 7557 | 7561 | 7557 | 679  |
| 15°  | 4881 | 4870 | 4881 | 4870 | 4881 | 1344 |
| 25°  | 2344 | 2254 | 2344 | 2254 | 2344 | 1097 |
| 35°  | 1226 | 1170 | 1226 | 1170 | 1226 | 767  |
| 45°  | 400  | 322  | 400  | 322  | 400  | 323  |
| 55°  | 20   | 16   | 20   | 16   | 20   | 25   |
| 65°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 75°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 85°  | 0    | 0    | 0    | 0    | 0    | 0    |
| 90°  | 1    | 8    | 1    | 15   | 1    | 1    |
| 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°     | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5°   | 7843.9 | 7830.8 | 7817.7 | 7791.8 | 7761.6 | 7760.4 | 7788.1 | 7806.7 | 7798.1 | 7789.6 | 7798.1 |
| 5°     | 7557.0 | 7538.8 | 7520.6 | 7498.6 | 7475.3 | 7484.1 | 7525.0 | 7556.2 | 7558.8 | 7561.3 | 7558.8 |
| 7.5°   | 6924.0 | 6929.9 | 6935.8 | 6920.7 | 6898.5 | 6910.1 | 6955.4 | 6988.1 | 6983.2 | 6978.3 | 6983.2 |
| 10°    | 6411.4 | 6415.8 | 6420.2 | 6419.4 | 6416.9 | 6423.2 | 6438.3 | 6445.3 | 6428.4 | 6411.4 | 6428.4 |
| 12.5°  | 5817.3 | 5834.8 | 5852.3 | 5832.2 | 5799.5 | 5794.4 | 5817.1 | 5835.8 | 5843.0 | 5850.2 | 5843.0 |
| 15°    | 4881.0 | 4909.3 | 4937.6 | 4897.5 | 4834.7 | 4818.3 | 4848.5 | 4871.0 | 4870.3 | 4869.7 | 4870.3 |
| 17.5°  | 4003.0 | 4000.1 | 3997.2 | 3972.4 | 3940.4 | 3927.2 | 3932.8 | 3936.6 | 3934.7 | 3932.8 | 3934.7 |
| 20°    | 3427.0 | 3422.6 | 3418.2 | 3396.9 | 3369.8 | 3354.1 | 3349.7 | 3347.2 | 3350.4 | 3353.5 | 3350.4 |
| 22.5°  | 2933.7 | 2926.3 | 2918.9 | 2909.9 | 2900.5 | 2890.3 | 2879.4 | 2872.2 | 2876.4 | 2880.5 | 2876.4 |
| 25°    | 2343.6 | 2319.7 | 2295.9 | 2276.7 | 2259.1 | 2257.8 | 2272.9 | 2280.9 | 2267.7 | 2254.5 | 2267.7 |
| 27.5°  | 1881.1 | 1880.7 | 1880.4 | 1869.1 | 1854.1 | 1847.4 | 1849.1 | 1850.9 | 1853.4 | 1856.0 | 1853.4 |
| 30°    | 1666.1 | 1661.7 | 1657.3 | 1645.4 | 1630.9 | 1624.0 | 1624.7 | 1623.2 | 1615.7 | 1608.2 | 1615.7 |
| 32.5°  | 1474.9 | 1478.1 | 1481.2 | 1468.5 | 1450.5 | 1439.8 | 1436.4 | 1432.0 | 1424.5 | 1416.9 | 1424.5 |
| 35°    | 1226.3 | 1226.3 | 1226.3 | 1215.9 | 1202.1 | 1190.4 | 1181.0 | 1173.5 | 1171.6 | 1169.7 | 1171.6 |
| 37.5°  | 995.7  | 994.6  | 993.5  | 985.8  | 976.0  | 964.5  | 951.1  | 939.9  | 935.0  | 930.1  | 935.0  |
| 40°    | 848.6  | 845.5  | 842.3  | 836.8  | 830.6  | 819.2  | 802.9  | 788.9  | 782.0  | 775.1  | 782.0  |
| 42.5°  | 681.2  | 689.6  | 698.0  | 695.4  | 689.1  | 677.8  | 661.5  | 646.6  | 636.2  | 625.7  | 636.2  |
| 45°    | 400.3  | 435.5  | 470.7  | 483.2  | 488.3  | 481.4  | 462.5  | 434.4  | 378.4  | 322.5  | 378.4  |
| 47.5°  | 172.0  | 210.7  | 249.4  | 281.9  | 312.4  | 302.7  | 253.1  | 204.2  | 157.7  | 111.2  | 157.7  |
| 50°    | 79.2   | 109.4  | 139.6  | 180.1  | 224.1  | 215.0  | 152.8  | 100.7  | 79.4   | 58.0   | 79.4   |
| 52.5°  | 46.4   | 61.5   | 76.6   | 114.5  | 160.0  | 155.9  | 102.2  | 59.1   | 47.8   | 36.5   | 47.8   |
| 55°    | 19.8   | 24.8   | 29.9   | 50.4   | 76.2   | 75.0   | 46.7   | 24.4   | 20.0   | 15.6   | 20.0   |
| 57.5°  | 7.4    | 10.1   | 12.9   | 20.3   | 29.2   | 28.6   | 18.6   | 10.5   | 8.2    | 5.9    | 8.2    |
| 60°    | 2.8    | 4.1    | 5.3    | 9.0    | 13.4   | 13.0   | 8.0    | 3.9    | 2.7    | 1.4    | 2.7    |
| 62.5°  | 0.6    | 1.3    | 2.1    | 4.1    | 6.4    | 6.4    | 3.9    | 1.8    | 1.0    | 0.3    | 1.0    |
| 65°    | 0.0    | 0.0    | 0.0    | 0.5    | 1.1    | 1.1    | 0.5    | 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    | 0.9    | 1.1    | 1.3    | 1.4    | 1.4    | 1.5    | 1.6    | 1.6    | 1.6    |
| 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°     | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5°   | 7806.7 | 7788.1 | 7760.4 | 7761.6 | 7791.8 | 7817.7 | 7830.8 | 7843.9 | 7830.8 | 7817.7 | 7791.8 |
| 5°     | 7556.2 | 7525.0 | 7484.1 | 7475.3 | 7498.6 | 7520.6 | 7538.8 | 7557.0 | 7538.8 | 7520.6 | 7498.6 |
| 7.5°   | 6988.1 | 6955.4 | 6910.1 | 6898.5 | 6920.7 | 6935.8 | 6929.9 | 6924.0 | 6929.9 | 6935.8 | 6920.7 |
| 10°    | 6445.3 | 6438.3 | 6423.2 | 6416.9 | 6419.4 | 6420.2 | 6415.8 | 6411.4 | 6415.8 | 6420.2 | 6419.4 |
| 12.5°  | 5835.8 | 5817.1 | 5794.4 | 5799.5 | 5832.2 | 5852.3 | 5834.8 | 5817.3 | 5834.8 | 5852.3 | 5832.2 |
| 15°    | 4871.0 | 4848.5 | 4818.3 | 4834.7 | 4897.5 | 4937.6 | 4909.3 | 4881.0 | 4909.3 | 4937.6 | 4897.5 |
| 17.5°  | 3936.6 | 3932.8 | 3927.2 | 3940.4 | 3972.4 | 3997.2 | 4000.1 | 4003.0 | 4000.1 | 3997.2 | 3972.4 |
| 20°    | 3347.2 | 3349.7 | 3354.1 | 3369.8 | 3396.9 | 3418.2 | 3422.6 | 3427.0 | 3422.6 | 3418.2 | 3396.9 |
| 22.5°  | 2872.2 | 2879.4 | 2890.3 | 2900.5 | 2909.9 | 2918.9 | 2926.3 | 2933.7 | 2926.3 | 2918.9 | 2909.9 |
| 25°    | 2280.9 | 2272.9 | 2257.8 | 2259.1 | 2276.7 | 2295.9 | 2319.7 | 2343.6 | 2319.7 | 2295.9 | 2276.7 |
| 27.5°  | 1850.9 | 1849.1 | 1847.4 | 1854.1 | 1869.1 | 1880.4 | 1880.7 | 1881.1 | 1880.7 | 1880.4 | 1869.1 |
| 30°    | 1623.2 | 1624.7 | 1624.0 | 1630.9 | 1645.4 | 1657.3 | 1661.7 | 1666.1 | 1661.7 | 1657.3 | 1645.4 |
| 32.5°  | 1432.0 | 1436.4 | 1439.8 | 1450.5 | 1468.5 | 1481.2 | 1478.1 | 1474.9 | 1478.1 | 1481.2 | 1468.5 |
| 35°    | 1173.5 | 1181.0 | 1190.4 | 1202.1 | 1215.9 | 1226.3 | 1226.3 | 1226.3 | 1226.3 | 1226.3 | 1215.9 |
| 37.5°  | 939.9  | 951.1  | 964.5  | 976.0  | 985.8  | 993.5  | 994.6  | 995.7  | 994.6  | 993.5  | 985.8  |
| 40°    | 788.9  | 802.9  | 819.2  | 830.6  | 836.8  | 842.3  | 845.5  | 848.6  | 845.5  | 842.3  | 836.8  |
| 42.5°  | 646.6  | 661.5  | 677.8  | 689.1  | 695.4  | 698.0  | 689.6  | 681.2  | 689.6  | 698.0  | 695.4  |
| 45°    | 434.4  | 462.5  | 481.4  | 488.3  | 483.2  | 470.7  | 435.5  | 400.3  | 435.5  | 470.7  | 483.2  |
| 47.5°  | 204.2  | 253.1  | 302.7  | 312.4  | 281.9  | 249.4  | 210.7  | 172.0  | 210.7  | 249.4  | 281.9  |
| 50°    | 100.7  | 152.8  | 215.0  | 224.1  | 180.1  | 139.6  | 109.4  | 79.2   | 109.4  | 139.6  | 180.1  |
| 52.5°  | 59.1   | 102.2  | 155.9  | 160.0  | 114.5  | 76.6   | 61.5   | 46.4   | 61.5   | 76.6   | 114.5  |
| 55°    | 24.4   | 46.7   | 75.0   | 76.2   | 50.4   | 29.9   | 24.8   | 19.8   | 24.8   | 29.9   | 50.4   |
| 57.5°  | 10.5   | 18.6   | 28.6   | 29.2   | 20.3   | 12.9   | 10.1   | 7.4    | 10.1   | 12.9   | 20.3   |
| 60°    | 3.9    | 8.0    | 13.0   | 13.4   | 9.0    | 5.3    | 4.1    | 2.8    | 4.1    | 5.3    | 9.0    |
| 62.5°  | 1.8    | 3.9    | 6.4    | 6.4    | 4.1    | 2.1    | 1.3    | 0.6    | 1.3    | 2.1    | 4.1    |
| 65°    | 0.0    | 0.5    | 1.1    | 1.1    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°  | 1.5    | 1.4    | 1.4    | 1.3    | 1.1    | 0.9    | 0.5    | 0.2    | 0.5    | 0.8    | 1.3    |
| 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  |



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**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: P1427587

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5°   | 7761.6 | 7760.4 | 7788.1 | 7806.7 | 7798.1 | 7789.6 | 7798.1 | 7806.7 | 7788.1 | 7760.4 | 7761.6 |
| 5°     | 7475.3 | 7484.1 | 7525.0 | 7556.2 | 7558.8 | 7561.3 | 7558.8 | 7556.2 | 7525.0 | 7484.1 | 7475.3 |
| 7.5°   | 6898.5 | 6910.1 | 6955.4 | 6988.1 | 6983.2 | 6978.3 | 6983.2 | 6988.1 | 6955.4 | 6910.1 | 6898.5 |
| 10°    | 6416.9 | 6423.2 | 6438.3 | 6445.3 | 6428.4 | 6411.4 | 6428.4 | 6445.3 | 6438.3 | 6423.2 | 6416.9 |
| 12.5°  | 5799.5 | 5794.4 | 5817.1 | 5835.8 | 5843.0 | 5850.2 | 5843.0 | 5835.8 | 5817.1 | 5794.4 | 5799.5 |
| 15°    | 4834.7 | 4818.3 | 4848.5 | 4871.0 | 4870.3 | 4869.7 | 4870.3 | 4871.0 | 4848.5 | 4818.3 | 4834.7 |
| 17.5°  | 3940.4 | 3927.2 | 3932.8 | 3936.6 | 3934.7 | 3932.8 | 3934.7 | 3936.6 | 3932.8 | 3927.2 | 3940.4 |
| 20°    | 3369.8 | 3354.1 | 3349.7 | 3347.2 | 3350.4 | 3353.5 | 3350.4 | 3347.2 | 3349.7 | 3354.1 | 3369.8 |
| 22.5°  | 2900.5 | 2890.3 | 2879.4 | 2872.2 | 2876.4 | 2880.5 | 2876.4 | 2872.2 | 2879.4 | 2890.3 | 2900.5 |
| 25°    | 2259.1 | 2257.8 | 2272.9 | 2280.9 | 2267.7 | 2254.5 | 2267.7 | 2280.9 | 2272.9 | 2257.8 | 2259.1 |
| 27.5°  | 1854.1 | 1847.4 | 1849.1 | 1850.9 | 1853.4 | 1856.0 | 1853.4 | 1850.9 | 1849.1 | 1847.4 | 1854.1 |
| 30°    | 1630.9 | 1624.0 | 1624.7 | 1623.2 | 1615.7 | 1608.2 | 1615.7 | 1623.2 | 1624.7 | 1624.0 | 1630.9 |
| 32.5°  | 1450.5 | 1439.8 | 1436.4 | 1432.0 | 1424.5 | 1416.9 | 1424.5 | 1432.0 | 1436.4 | 1439.8 | 1450.5 |
| 35°    | 1202.1 | 1190.4 | 1181.0 | 1173.5 | 1171.6 | 1169.7 | 1171.6 | 1173.5 | 1181.0 | 1190.4 | 1202.1 |
| 37.5°  | 976.0  | 964.5  | 951.1  | 939.9  | 935.0  | 930.1  | 935.0  | 939.9  | 951.1  | 964.5  | 976.0  |
| 40°    | 830.6  | 819.2  | 802.9  | 788.9  | 782.0  | 775.1  | 782.0  | 788.9  | 802.9  | 819.2  | 830.6  |
| 42.5°  | 689.1  | 677.8  | 661.5  | 646.6  | 636.2  | 625.7  | 636.2  | 646.6  | 661.5  | 677.8  | 689.1  |
| 45°    | 488.3  | 481.4  | 462.5  | 434.4  | 378.4  | 322.5  | 378.4  | 434.4  | 462.5  | 481.4  | 488.3  |
| 47.5°  | 312.4  | 302.7  | 253.1  | 204.2  | 157.7  | 111.2  | 157.7  | 204.2  | 253.1  | 302.7  | 312.4  |
| 50°    | 224.1  | 215.0  | 152.8  | 100.7  | 79.4   | 58.0   | 79.4   | 100.7  | 152.8  | 215.0  | 224.1  |
| 52.5°  | 160.0  | 155.9  | 102.2  | 59.1   | 47.8   | 36.5   | 47.8   | 59.1   | 102.2  | 155.9  | 160.0  |
| 55°    | 76.2   | 75.0   | 46.7   | 24.4   | 20.0   | 15.6   | 20.0   | 24.4   | 46.7   | 75.0   | 76.2   |
| 57.5°  | 29.2   | 28.6   | 18.6   | 10.5   | 8.2    | 5.9    | 8.2    | 10.5   | 18.6   | 28.6   | 29.2   |
| 60°    | 13.4   | 13.0   | 8.0    | 3.9    | 2.7    | 1.4    | 2.7    | 3.9    | 8.0    | 13.0   | 13.4   |
| 62.5°  | 6.4    | 6.4    | 3.9    | 1.8    | 1.0    | 0.3    | 1.0    | 1.8    | 3.9    | 6.4    | 6.4    |
| 65°    | 1.1    | 1.1    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 1.1    | 1.1    | 1.1    |
| 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°  | 1.6    | 2.1    | 2.6    | 2.9    | 3.2    | 3.0    | 3.2    | 2.9    | 2.6    | 2.1    | 1.6    |
| 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: P1427587

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



TEST NUMBER: P1427587

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 7848.4 | 7848.4 | 7848.4 | 7848.4 |
| 2.5°   | 7791.8 | 7817.7 | 7830.8 | 7843.9 |
| 5°     | 7498.6 | 7520.6 | 7538.8 | 7557.0 |
| 7.5°   | 6920.7 | 6935.8 | 6929.9 | 6924.0 |
| 10°    | 6419.4 | 6420.2 | 6415.8 | 6411.4 |
| 12.5°  | 5832.2 | 5852.3 | 5834.8 | 5817.3 |
| 15°    | 4897.5 | 4937.6 | 4909.3 | 4881.0 |
| 17.5°  | 3972.4 | 3997.2 | 4000.1 | 4003.0 |
| 20°    | 3396.9 | 3418.2 | 3422.6 | 3427.0 |
| 22.5°  | 2909.9 | 2918.9 | 2926.3 | 2933.7 |
| 25°    | 2276.7 | 2295.9 | 2319.7 | 2343.6 |
| 27.5°  | 1869.1 | 1880.4 | 1880.7 | 1881.1 |
| 30°    | 1645.4 | 1657.3 | 1661.7 | 1666.1 |
| 32.5°  | 1468.5 | 1481.2 | 1478.1 | 1474.9 |
| 35°    | 1215.9 | 1226.3 | 1226.3 | 1226.3 |
| 37.5°  | 985.8  | 993.5  | 994.6  | 995.7  |
| 40°    | 836.8  | 842.3  | 845.5  | 848.6  |
| 42.5°  | 695.4  | 698.0  | 689.6  | 681.2  |
| 45°    | 483.2  | 470.7  | 435.5  | 400.3  |
| 47.5°  | 281.9  | 249.4  | 210.7  | 172.0  |
| 50°    | 180.1  | 139.6  | 109.4  | 79.2   |
| 52.5°  | 114.5  | 76.6   | 61.5   | 46.4   |
| 55°    | 50.4   | 29.9   | 24.8   | 19.8   |
| 57.5°  | 20.3   | 12.9   | 10.1   | 7.4    |
| 60°    | 9.0    | 5.3    | 4.1    | 2.8    |
| 62.5°  | 4.1    | 2.1    | 1.3    | 0.6    |
| 65°    | 0.5    | 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°  | 1.3    | 0.8    | 0.5    | 0.2    |
| 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   |



TEST NUMBER: P1427587

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L940-UNV-STD-W-WM-4

**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: P1427587

CATALOG NUMBER: SQ2W-BBN-K-025U-100D-L940-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 |