

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: P1427574

Luminaire Tested: SQ2W-BBN-0U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427574  
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-0U-100D-L935-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 N/A - DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

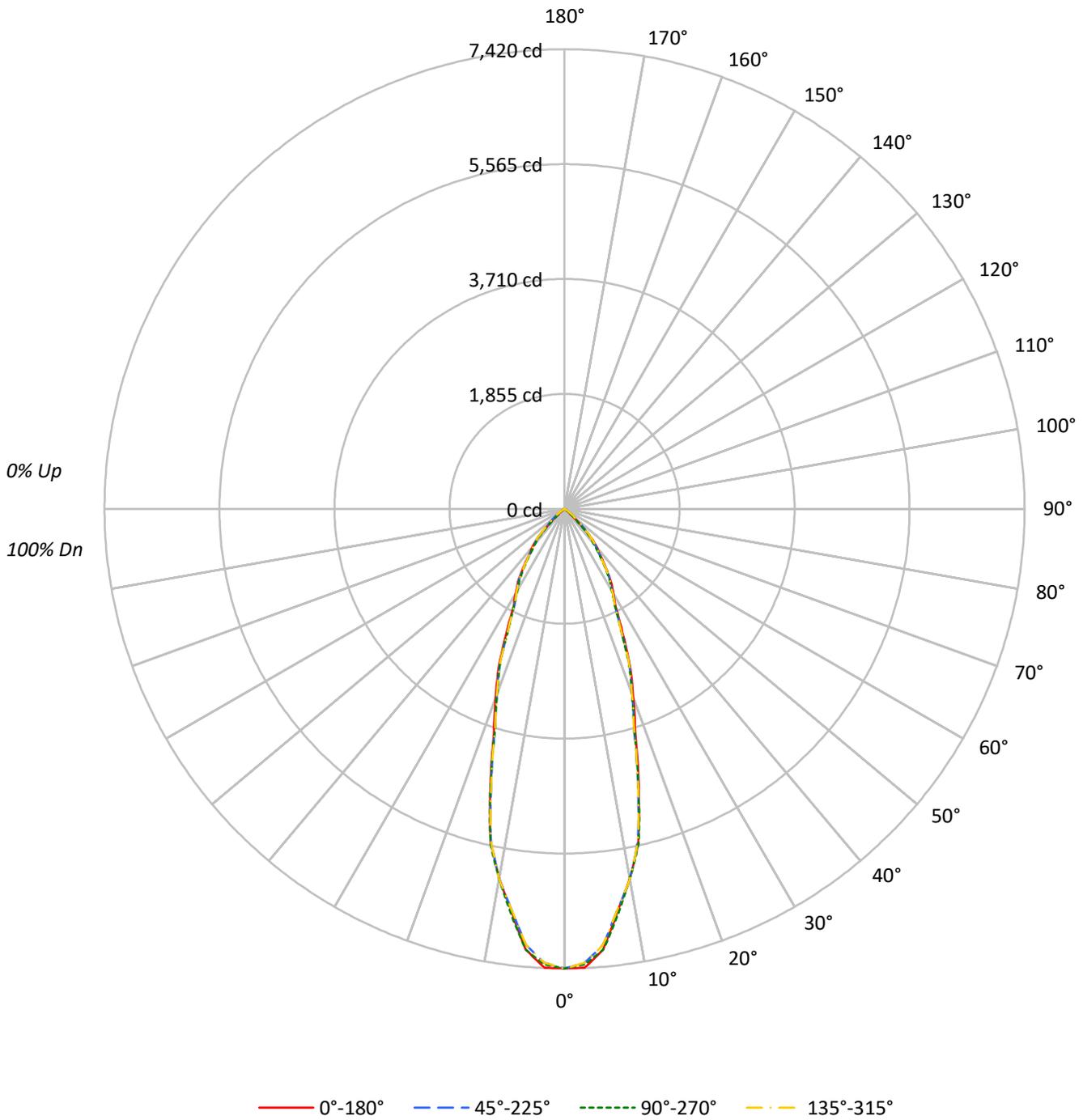
Lumens per Lamp: N/A  
Luminaire Lumens: 4010.7 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.1  
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

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CATALOG NUMBER: SQ2W-BBN-0U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1427574

CATALOG NUMBER: SQ2W-BBN-OU-100D-L935-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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 91  | 90  | 88  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  | 91  | 88  | 85  | 89  | 86  | 84  | 82  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 80  | 84  | 81  | 79  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |
| 6   | 90  | 81  | 75  | 71  | 88  | 80  | 75  | 71  | 79  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 68  |
| 7   | 85  | 77  | 71  | 67  | 84  | 76  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 72  | 69  | 66  | 64  |
| 8   | 82  | 73  | 67  | 63  | 80  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 61  |
| 9   | 78  | 69  | 63  | 60  | 77  | 69  | 63  | 60  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 58  |
| 10  | 75  | 66  | 60  | 57  | 74  | 65  | 60  | 57  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 55  |

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 119797 | 119797 | 119797 | 119797 |
| 5°  | 115789 | 115854 | 115789 | 115854 |
| 10° | 99371  | 99371  | 99371  | 99371  |
| 15° | 77132  | 76953  | 77132  | 76953  |
| 20° | 55667  | 54473  | 55667  | 54473  |
| 25° | 39470  | 37970  | 39470  | 37970  |
| 30° | 29365  | 28343  | 29365  | 28343  |
| 35° | 22850  | 21795  | 22850  | 21795  |
| 40° | 16910  | 15445  | 16910  | 15445  |
| 45° | 8640   | 6962   | 8640   | 6962   |
| 50° | 1881   | 1376   | 1881   | 1376   |
| 55° | 526    | 414    | 526    | 414    |
| 60° | 87     | 42     | 87     | 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: 10540 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 641.6  | 16.0      |
| 10°-20°   | 1265.0 | 31.5      |
| 20°-30°   | 1020.4 | 25.4      |
| 30°-40°   | 708.9  | 17.7      |
| 40°-50°   | 327.4  | 8.2       |
| 50°-60°   | 45.9   | 1.1       |
| 60°-70°   | 1.6    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 2927.0 | 73.0      |
| 0°-40°    | 3635.8 | 90.7      |
| 0°-60°    | 4009.1 | 100.0     |
| 0°-90°    | 4010.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4010.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 7420 | 7420 | 7420 | 7420 | 7420 |      |
| 5°  | 7144 | 7148 | 7144 | 7148 | 7144 | 642  |
| 15° | 4614 | 4604 | 4614 | 4604 | 4614 | 1270 |
| 25° | 2216 | 2131 | 2216 | 2131 | 2216 | 1037 |
| 35° | 1159 | 1106 | 1159 | 1106 | 1159 | 725  |
| 45° | 378  | 305  | 378  | 305  | 378  | 306  |
| 55° | 19   | 15   | 19   | 15   | 19   | 24   |
| 65° | 0    | 0    | 0    | 0    | 0    | 0    |
| 75° | 0    | 0    | 0    | 0    | 0    | 0    |
| 85° | 0    | 0    | 0    | 0    | 0    | 0    |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 |
| 2.5°  | 7415.5 | 7403.1 | 7390.8 | 7366.3 | 7337.8 | 7336.6 | 7362.7 | 7380.3 | 7372.2 | 7364.2 | 7372.2 |
| 5°    | 7144.3 | 7127.1 | 7109.9 | 7089.1 | 7067.1 | 7075.4 | 7114.0 | 7143.6 | 7146.0 | 7148.3 | 7146.0 |
| 7.5°  | 6545.8 | 6551.4 | 6557.0 | 6542.7 | 6521.8 | 6532.7 | 6575.5 | 6606.4 | 6601.8 | 6597.2 | 6601.8 |
| 10°   | 6061.2 | 6065.4 | 6069.6 | 6068.8 | 6066.4 | 6072.4 | 6086.7 | 6093.3 | 6077.3 | 6061.2 | 6077.3 |
| 12.5° | 5499.7 | 5516.2 | 5532.7 | 5513.6 | 5482.7 | 5478.0 | 5499.4 | 5517.1 | 5523.9 | 5530.7 | 5523.9 |
| 15°   | 4614.5 | 4641.2 | 4668.0 | 4630.1 | 4570.6 | 4555.2 | 4583.7 | 4605.0 | 4604.4 | 4603.8 | 4604.4 |
| 17.5° | 3784.4 | 3781.6 | 3778.9 | 3755.5 | 3725.2 | 3712.7 | 3718.0 | 3721.6 | 3719.8 | 3718.0 | 3719.8 |
| 20°   | 3239.9 | 3235.7 | 3231.6 | 3211.4 | 3185.8 | 3170.9 | 3166.8 | 3164.4 | 3167.4 | 3170.4 | 3167.4 |
| 22.5° | 2773.5 | 2766.5 | 2759.5 | 2751.0 | 2742.1 | 2732.5 | 2722.1 | 2715.4 | 2719.3 | 2723.2 | 2719.3 |
| 25°   | 2215.6 | 2193.1 | 2170.5 | 2152.3 | 2135.7 | 2134.5 | 2148.8 | 2156.4 | 2143.9 | 2131.4 | 2143.9 |
| 27.5° | 1778.4 | 1778.0 | 1777.7 | 1767.0 | 1752.8 | 1746.5 | 1748.1 | 1749.8 | 1752.2 | 1754.6 | 1752.2 |
| 30°   | 1575.1 | 1571.0 | 1566.8 | 1555.5 | 1541.9 | 1535.3 | 1535.9 | 1534.6 | 1527.5 | 1520.3 | 1527.5 |
| 32.5° | 1394.4 | 1397.3 | 1400.3 | 1388.3 | 1371.3 | 1361.2 | 1358.0 | 1353.8 | 1346.7 | 1339.5 | 1346.7 |
| 35°   | 1159.3 | 1159.3 | 1159.3 | 1149.5 | 1136.4 | 1125.4 | 1116.5 | 1109.4 | 1107.6 | 1105.8 | 1107.6 |
| 37.5° | 941.3  | 940.3  | 939.2  | 932.0  | 922.7  | 911.8  | 899.2  | 888.6  | 883.9  | 879.3  | 883.9  |
| 40°   | 802.3  | 799.3  | 796.3  | 791.1  | 785.2  | 774.5  | 759.0  | 745.8  | 739.3  | 732.8  | 739.3  |
| 42.5° | 644.0  | 651.9  | 659.9  | 657.4  | 651.5  | 640.8  | 625.3  | 611.3  | 601.4  | 591.6  | 601.4  |
| 45°   | 378.4  | 411.7  | 445.0  | 456.9  | 461.6  | 455.1  | 437.2  | 410.7  | 357.8  | 304.9  | 357.8  |
| 47.5° | 162.6  | 199.2  | 235.8  | 266.5  | 295.3  | 286.2  | 239.3  | 193.1  | 149.1  | 105.1  | 149.1  |
| 50°   | 74.9   | 103.4  | 131.9  | 170.3  | 211.9  | 203.2  | 144.4  | 95.2   | 75.0   | 54.8   | 75.0   |
| 52.5° | 43.9   | 58.1   | 72.4   | 108.2  | 151.2  | 147.4  | 96.6   | 55.9   | 45.2   | 34.5   | 45.2   |
| 55°   | 18.7   | 23.5   | 28.2   | 47.7   | 72.1   | 70.9   | 44.1   | 23.0   | 18.9   | 14.7   | 18.9   |
| 57.5° | 7.0    | 9.6    | 12.2   | 19.2   | 27.6   | 27.1   | 17.6   | 9.9    | 7.8    | 5.6    | 7.8    |
| 60°   | 2.7    | 3.9    | 5.1    | 8.5    | 12.6   | 12.3   | 7.6    | 3.7    | 2.5    | 1.3    | 2.5    |
| 62.5° | 0.5    | 1.2    | 2.0    | 3.8    | 6.1    | 6.0    | 3.7    | 1.7    | 1.0    | 0.3    | 1.0    |
| 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° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 |
| 2.5°  | 7380.3 | 7362.7 | 7336.6 | 7337.8 | 7366.3 | 7390.8 | 7403.1 | 7415.5 | 7403.1 | 7390.8 | 7366.3 |
| 5°    | 7143.6 | 7114.0 | 7075.4 | 7067.1 | 7089.1 | 7109.9 | 7127.1 | 7144.3 | 7127.1 | 7109.9 | 7089.1 |
| 7.5°  | 6606.4 | 6575.5 | 6532.7 | 6521.8 | 6542.7 | 6557.0 | 6551.4 | 6545.8 | 6551.4 | 6557.0 | 6542.7 |
| 10°   | 6093.3 | 6086.7 | 6072.4 | 6066.4 | 6068.8 | 6069.6 | 6065.4 | 6061.2 | 6065.4 | 6069.6 | 6068.8 |
| 12.5° | 5517.1 | 5499.4 | 5478.0 | 5482.7 | 5513.6 | 5532.7 | 5516.2 | 5499.7 | 5516.2 | 5532.7 | 5513.6 |
| 15°   | 4605.0 | 4583.7 | 4555.2 | 4570.6 | 4630.1 | 4668.0 | 4641.2 | 4614.5 | 4641.2 | 4668.0 | 4630.1 |
| 17.5° | 3721.6 | 3718.0 | 3712.7 | 3725.2 | 3755.5 | 3778.9 | 3781.6 | 3784.4 | 3781.6 | 3778.9 | 3755.5 |
| 20°   | 3164.4 | 3166.8 | 3170.9 | 3185.8 | 3211.4 | 3231.6 | 3235.7 | 3239.9 | 3235.7 | 3231.6 | 3211.4 |
| 22.5° | 2715.4 | 2722.1 | 2732.5 | 2742.1 | 2751.0 | 2759.5 | 2766.5 | 2773.5 | 2766.5 | 2759.5 | 2751.0 |
| 25°   | 2156.4 | 2148.8 | 2134.5 | 2135.7 | 2152.3 | 2170.5 | 2193.1 | 2215.6 | 2193.1 | 2170.5 | 2152.3 |
| 27.5° | 1749.8 | 1748.1 | 1746.5 | 1752.8 | 1767.0 | 1777.7 | 1778.0 | 1778.4 | 1778.0 | 1777.7 | 1767.0 |
| 30°   | 1534.6 | 1535.9 | 1535.3 | 1541.9 | 1555.5 | 1566.8 | 1571.0 | 1575.1 | 1571.0 | 1566.8 | 1555.5 |
| 32.5° | 1353.8 | 1358.0 | 1361.2 | 1371.3 | 1388.3 | 1400.3 | 1397.3 | 1394.4 | 1397.3 | 1400.3 | 1388.3 |
| 35°   | 1109.4 | 1116.5 | 1125.4 | 1136.4 | 1149.5 | 1159.3 | 1159.3 | 1159.3 | 1159.3 | 1159.3 | 1149.5 |
| 37.5° | 888.6  | 899.2  | 911.8  | 922.7  | 932.0  | 939.2  | 940.3  | 941.3  | 940.3  | 939.2  | 932.0  |
| 40°   | 745.8  | 759.0  | 774.5  | 785.2  | 791.1  | 796.3  | 799.3  | 802.3  | 799.3  | 796.3  | 791.1  |
| 42.5° | 611.3  | 625.3  | 640.8  | 651.5  | 657.4  | 659.9  | 651.9  | 644.0  | 651.9  | 659.9  | 657.4  |
| 45°   | 410.7  | 437.2  | 455.1  | 461.6  | 456.9  | 445.0  | 411.7  | 378.4  | 411.7  | 445.0  | 456.9  |
| 47.5° | 193.1  | 239.3  | 286.2  | 295.3  | 266.5  | 235.8  | 199.2  | 162.6  | 199.2  | 235.8  | 266.5  |
| 50°   | 95.2   | 144.4  | 203.2  | 211.9  | 170.3  | 131.9  | 103.4  | 74.9   | 103.4  | 131.9  | 170.3  |
| 52.5° | 55.9   | 96.6   | 147.4  | 151.2  | 108.2  | 72.4   | 58.1   | 43.9   | 58.1   | 72.4   | 108.2  |
| 55°   | 23.0   | 44.1   | 70.9   | 72.1   | 47.7   | 28.2   | 23.5   | 18.7   | 23.5   | 28.2   | 47.7   |
| 57.5° | 9.9    | 17.6   | 27.1   | 27.6   | 19.2   | 12.2   | 9.6    | 7.0    | 9.6    | 12.2   | 19.2   |
| 60°   | 3.7    | 7.6    | 12.3   | 12.6   | 8.5    | 5.1    | 3.9    | 2.7    | 3.9    | 5.1    | 8.5    |
| 62.5° | 1.7    | 3.7    | 6.0    | 6.1    | 3.8    | 2.0    | 1.2    | 0.5    | 1.2    | 2.0    | 3.8    |
| 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° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 | 7419.8 |
| 2.5°  | 7337.8 | 7336.6 | 7362.7 | 7380.3 | 7372.2 | 7364.2 | 7372.2 | 7380.3 | 7362.7 | 7336.6 | 7337.8 |
| 5°    | 7067.1 | 7075.4 | 7114.0 | 7143.6 | 7146.0 | 7148.3 | 7146.0 | 7143.6 | 7114.0 | 7075.4 | 7067.1 |
| 7.5°  | 6521.8 | 6532.7 | 6575.5 | 6606.4 | 6601.8 | 6597.2 | 6601.8 | 6606.4 | 6575.5 | 6532.7 | 6521.8 |
| 10°   | 6066.4 | 6072.4 | 6086.7 | 6093.3 | 6077.3 | 6061.2 | 6077.3 | 6093.3 | 6086.7 | 6072.4 | 6066.4 |
| 12.5° | 5482.7 | 5478.0 | 5499.4 | 5517.1 | 5523.9 | 5530.7 | 5523.9 | 5517.1 | 5499.4 | 5478.0 | 5482.7 |
| 15°   | 4570.6 | 4555.2 | 4583.7 | 4605.0 | 4604.4 | 4603.8 | 4604.4 | 4605.0 | 4583.7 | 4555.2 | 4570.6 |
| 17.5° | 3725.2 | 3712.7 | 3718.0 | 3721.6 | 3719.8 | 3718.0 | 3719.8 | 3721.6 | 3718.0 | 3712.7 | 3725.2 |
| 20°   | 3185.8 | 3170.9 | 3166.8 | 3164.4 | 3167.4 | 3170.4 | 3167.4 | 3164.4 | 3166.8 | 3170.9 | 3185.8 |
| 22.5° | 2742.1 | 2732.5 | 2722.1 | 2715.4 | 2719.3 | 2723.2 | 2719.3 | 2715.4 | 2722.1 | 2732.5 | 2742.1 |
| 25°   | 2135.7 | 2134.5 | 2148.8 | 2156.4 | 2143.9 | 2131.4 | 2143.9 | 2156.4 | 2148.8 | 2134.5 | 2135.7 |
| 27.5° | 1752.8 | 1746.5 | 1748.1 | 1749.8 | 1752.2 | 1754.6 | 1752.2 | 1749.8 | 1748.1 | 1746.5 | 1752.8 |
| 30°   | 1541.9 | 1535.3 | 1535.9 | 1534.6 | 1527.5 | 1520.3 | 1527.5 | 1534.6 | 1535.9 | 1535.3 | 1541.9 |
| 32.5° | 1371.3 | 1361.2 | 1358.0 | 1353.8 | 1346.7 | 1339.5 | 1346.7 | 1353.8 | 1358.0 | 1361.2 | 1371.3 |
| 35°   | 1136.4 | 1125.4 | 1116.5 | 1109.4 | 1107.6 | 1105.8 | 1107.6 | 1109.4 | 1116.5 | 1125.4 | 1136.4 |
| 37.5° | 922.7  | 911.8  | 899.2  | 888.6  | 883.9  | 879.3  | 883.9  | 888.6  | 899.2  | 911.8  | 922.7  |
| 40°   | 785.2  | 774.5  | 759.0  | 745.8  | 739.3  | 732.8  | 739.3  | 745.8  | 759.0  | 774.5  | 785.2  |
| 42.5° | 651.5  | 640.8  | 625.3  | 611.3  | 601.4  | 591.6  | 601.4  | 611.3  | 625.3  | 640.8  | 651.5  |
| 45°   | 461.6  | 455.1  | 437.2  | 410.7  | 357.8  | 304.9  | 357.8  | 410.7  | 437.2  | 455.1  | 461.6  |
| 47.5° | 295.3  | 286.2  | 239.3  | 193.1  | 149.1  | 105.1  | 149.1  | 193.1  | 239.3  | 286.2  | 295.3  |
| 50°   | 211.9  | 203.2  | 144.4  | 95.2   | 75.0   | 54.8   | 75.0   | 95.2   | 144.4  | 203.2  | 211.9  |
| 52.5° | 151.2  | 147.4  | 96.6   | 55.9   | 45.2   | 34.5   | 45.2   | 55.9   | 96.6   | 147.4  | 151.2  |
| 55°   | 72.1   | 70.9   | 44.1   | 23.0   | 18.9   | 14.7   | 18.9   | 23.0   | 44.1   | 70.9   | 72.1   |
| 57.5° | 27.6   | 27.1   | 17.6   | 9.9    | 7.8    | 5.6    | 7.8    | 9.9    | 17.6   | 27.1   | 27.6   |
| 60°   | 12.6   | 12.3   | 7.6    | 3.7    | 2.5    | 1.3    | 2.5    | 3.7    | 7.6    | 12.3   | 12.6   |
| 62.5° | 6.1    | 6.0    | 3.7    | 1.7    | 1.0    | 0.3    | 1.0    | 1.7    | 3.7    | 6.0    | 6.1    |
| 65°   | 1.0    | 1.0    | 0.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 1.0    | 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° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1427574

CATALOG NUMBER: SQ2W-BBN-OU-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 340°   | 350°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 7419.8 | 7419.8 | 7419.8 | 7419.8 |
| 2.5°  | 7366.3 | 7390.8 | 7403.1 | 7415.5 |
| 5°    | 7089.1 | 7109.9 | 7127.1 | 7144.3 |
| 7.5°  | 6542.7 | 6557.0 | 6551.4 | 6545.8 |
| 10°   | 6068.8 | 6069.6 | 6065.4 | 6061.2 |
| 12.5° | 5513.6 | 5532.7 | 5516.2 | 5499.7 |
| 15°   | 4630.1 | 4668.0 | 4641.2 | 4614.5 |
| 17.5° | 3755.5 | 3778.9 | 3781.6 | 3784.4 |
| 20°   | 3211.4 | 3231.6 | 3235.7 | 3239.9 |
| 22.5° | 2751.0 | 2759.5 | 2766.5 | 2773.5 |
| 25°   | 2152.3 | 2170.5 | 2193.1 | 2215.6 |
| 27.5° | 1767.0 | 1777.7 | 1778.0 | 1778.4 |
| 30°   | 1555.5 | 1566.8 | 1571.0 | 1575.1 |
| 32.5° | 1388.3 | 1400.3 | 1397.3 | 1394.4 |
| 35°   | 1149.5 | 1159.3 | 1159.3 | 1159.3 |
| 37.5° | 932.0  | 939.2  | 940.3  | 941.3  |
| 40°   | 791.1  | 796.3  | 799.3  | 802.3  |
| 42.5° | 657.4  | 659.9  | 651.9  | 644.0  |
| 45°   | 456.9  | 445.0  | 411.7  | 378.4  |
| 47.5° | 266.5  | 235.8  | 199.2  | 162.6  |
| 50°   | 170.3  | 131.9  | 103.4  | 74.9   |
| 52.5° | 108.2  | 72.4   | 58.1   | 43.9   |
| 55°   | 47.7   | 28.2   | 23.5   | 18.7   |
| 57.5° | 19.2   | 12.2   | 9.6    | 7.0    |
| 60°   | 8.5    | 5.1    | 3.9    | 2.7    |
| 62.5° | 3.8    | 2.0    | 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° | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P1427574  
 CATALOG NUMBER: SQ2W-BBN-0U-100D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 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 |