

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435927

Luminaire Tested: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

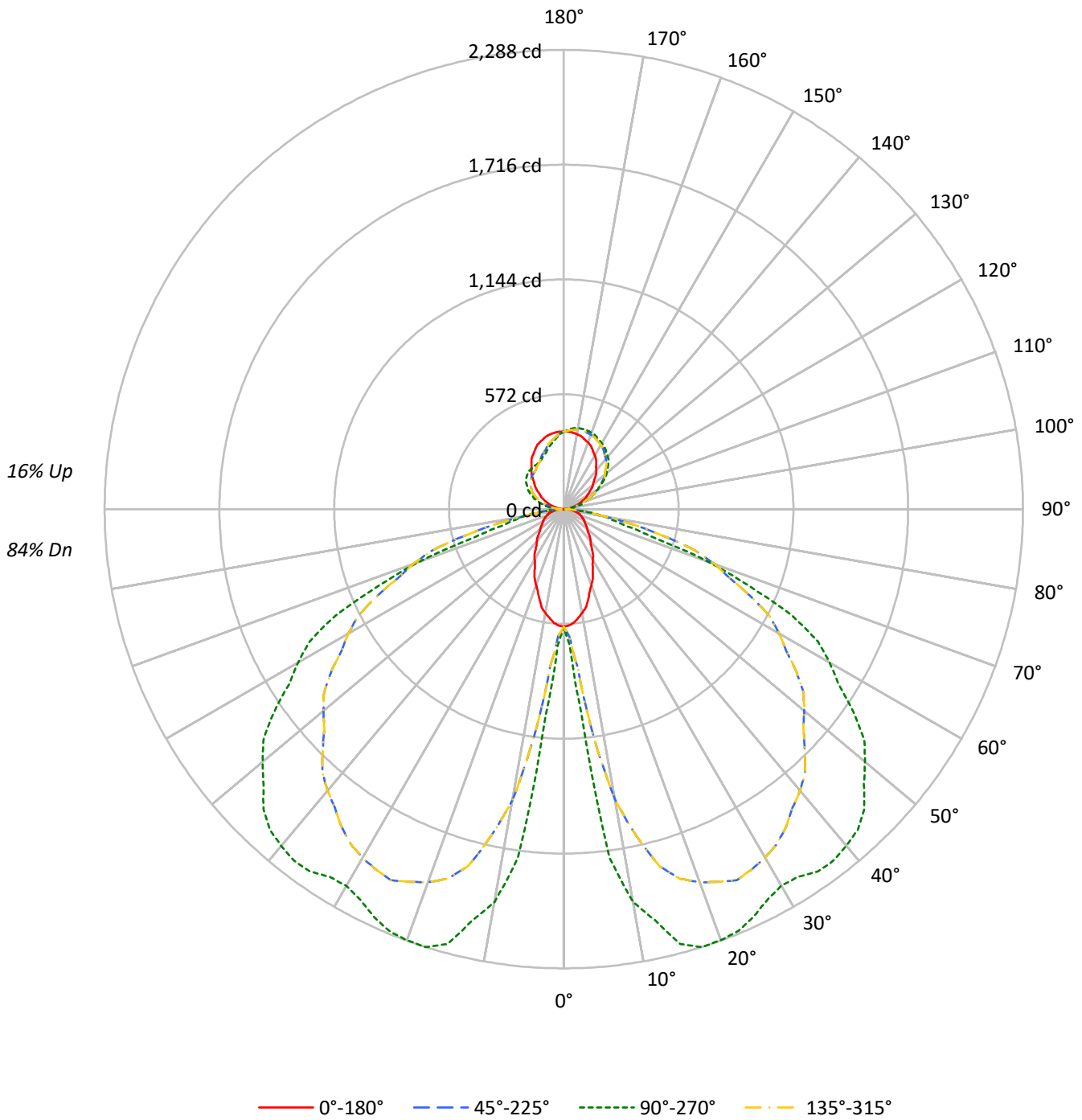
Lumens per Lamp: N/A  
Luminaire Lumens: 6911.6 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 56.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1435927

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1435927

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|--|--|
| RF  | 20  |     |     |     |     | 20  |     |     |     |     | 20  |    |    |    |    | 20 |    |    |  |  |
| RC  | 80  |     |     |     |     | 70  |     |     |     |     | 50  |    |    |    |    | 30 |    |    |  |  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 0  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |  |  |
| 0   | 115 | 115 | 115 | 115 | 111 | 111 | 111 | 111 | 102 | 102 | 102 | 94 | 94 | 94 | 87 | 87 | 87 | 84 |  |  |
| 1   | 105 | 100 | 96  | 92  | 101 | 97  | 93  | 89  | 89  | 86  | 84  | 83 | 80 | 78 | 77 | 75 | 73 | 70 |  |  |
| 2   | 95  | 87  | 80  | 75  | 91  | 84  | 78  | 72  | 78  | 73  | 68  | 72 | 68 | 64 | 67 | 63 | 61 | 58 |  |  |
| 3   | 86  | 76  | 68  | 61  | 82  | 73  | 66  | 60  | 68  | 62  | 57  | 63 | 58 | 54 | 58 | 54 | 51 | 48 |  |  |
| 4   | 79  | 67  | 58  | 51  | 75  | 64  | 56  | 50  | 60  | 53  | 47  | 55 | 50 | 45 | 51 | 47 | 43 | 40 |  |  |
| 5   | 72  | 59  | 50  | 43  | 69  | 57  | 49  | 42  | 53  | 46  | 40  | 49 | 43 | 39 | 46 | 41 | 37 | 34 |  |  |
| 6   | 66  | 53  | 44  | 37  | 63  | 51  | 43  | 36  | 47  | 40  | 35  | 44 | 38 | 33 | 41 | 36 | 32 | 29 |  |  |
| 7   | 61  | 47  | 39  | 32  | 58  | 46  | 38  | 32  | 43  | 36  | 30  | 40 | 34 | 29 | 37 | 32 | 28 | 26 |  |  |
| 8   | 56  | 43  | 34  | 29  | 54  | 42  | 34  | 28  | 39  | 32  | 27  | 36 | 30 | 26 | 34 | 29 | 25 | 22 |  |  |
| 9   | 53  | 39  | 31  | 25  | 50  | 38  | 30  | 25  | 35  | 29  | 24  | 33 | 27 | 23 | 31 | 26 | 22 | 20 |  |  |
| 10  | 49  | 36  | 28  | 23  | 47  | 35  | 27  | 22  | 33  | 26  | 21  | 31 | 25 | 20 | 29 | 23 | 20 | 18 |  |  |

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

|     | 0°   | 90°   | 180° | 270°  |
|-----|------|-------|------|-------|
| 0°  | 9452 | 9452  | 9452 | 9452  |
| 5°  | 9214 | 16740 | 9214 | 16740 |
| 10° | 8628 | 32576 | 8628 | 32576 |
| 15° | 7809 | 37495 | 7809 | 37495 |
| 20° | 6916 | 39267 | 6916 | 39267 |
| 25° | 6118 | 39910 | 6118 | 39910 |
| 30° | 5405 | 40404 | 5405 | 40404 |
| 35° | 4827 | 43437 | 4827 | 43437 |
| 40° | 4390 | 46151 | 4390 | 46151 |
| 45° | 4048 | 48327 | 4048 | 48327 |
| 50° | 3818 | 49204 | 3818 | 49204 |
| 55° | 3724 | 49596 | 3724 | 49596 |
| 60° | 3817 | 49350 | 3817 | 49350 |
| 65° | 3977 | 47957 | 3977 | 47957 |
| 70° | 4116 | 36273 | 4116 | 36273 |
| 75° | 4566 | 20018 | 4566 | 20018 |
| 80° | 4714 | 18577 | 4714 | 18577 |
| 85° | 4687 | 7818  | 4687 | 7818  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 50042 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.1   | 1.4       |
| 10°-20°   | 447.5  | 6.5       |
| 20°-30°   | 787.5  | 11.4      |
| 30°-40°   | 1019.4 | 14.7      |
| 40°-50°   | 1124.3 | 16.3      |
| 50°-60°   | 1049.3 | 15.2      |
| 60°-70°   | 810.7  | 11.7      |
| 70°-80°   | 373.7  | 5.4       |
| 80°-90°   | 73.0   | 1.1       |
| 90°-100°  | 30.8   | 0.4       |
| 100°-110° | 89.7   | 1.3       |
| 110°-120° | 146.3  | 2.1       |
| 120°-130° | 185.7  | 2.7       |
| 130°-140° | 198.7  | 2.9       |
| 140°-150° | 185.5  | 2.7       |
| 150°-160° | 152.7  | 2.2       |
| 160°-170° | 102.4  | 1.5       |
| 170°-180° | 36.4   | 0.5       |
| 0°-30°    | 1333.1 | 19.3      |
| 0°-40°    | 2352.5 | 34.0      |
| 0°-60°    | 4526.1 | 65.5      |
| 0°-90°    | 5783.5 | 83.7      |
| 90°-120°  | 266.8  | 3.9       |
| 90°-150°  | 836.7  | 12.1      |
| 90°-180°  | 1128.0 | 16.3      |
| 0°-180°   | 6911.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90°  | 180° | 270° | 360° | Flux |
|------|-----|------|------|------|------|------|
| 0°   | 585 | 585  | 585  | 585  | 585  |      |
| 5°   | 568 | 1033 | 568  | 1033 | 568  | 53   |
| 15°  | 467 | 2243 | 467  | 2243 | 467  | 130  |
| 25°  | 343 | 2240 | 343  | 2240 | 343  | 158  |
| 35°  | 245 | 2204 | 245  | 2204 | 245  | 154  |
| 45°  | 177 | 2116 | 177  | 2116 | 177  | 137  |
| 55°  | 132 | 1762 | 132  | 1762 | 132  | 119  |
| 65°  | 104 | 1255 | 104  | 1255 | 104  | 102  |
| 75°  | 73  | 321  | 73   | 321  | 73   | 75   |
| 85°  | 25  | 42   | 25   | 42   | 25   | 26   |
| 90°  | 1   | 9    | 1    | 17   | 1    | 2    |
| 95°  | 12  | 9    | 12   | 53   | 12   | 15   |
| 105° | 57  | 91   | 57   | 126  | 57   | 61   |
| 115° | 109 | 151  | 109  | 186  | 109  | 108  |
| 125° | 162 | 240  | 162  | 229  | 162  | 145  |
| 135° | 220 | 314  | 220  | 253  | 220  | 170  |
| 145° | 281 | 362  | 281  | 259  | 281  | 176  |
| 155° | 333 | 393  | 333  | 268  | 333  | 153  |
| 165° | 368 | 410  | 368  | 309  | 368  | 104  |
| 175° | 385 | 402  | 385  | 363  | 385  | 37   |
| 180° | 386 | 386  | 386  | 386  | 386  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 585.4 | 585.4 | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  |
| 2.5°   | 580.9 | 591.9 | 602.9  | 614.7  | 626.7  | 639.7  | 653.7  | 665.7  | 671.7  | 677.7  | 671.7  |
| 5°     | 568.5 | 606.1 | 643.6  | 698.0  | 758.0  | 826.2  | 902.5  | 967.9  | 1000.4 | 1032.9 | 1000.4 |
| 7.5°   | 546.6 | 622.9 | 699.2  | 860.9  | 1051.0 | 1248.4 | 1453.0 | 1622.8 | 1687.8 | 1752.9 | 1687.8 |
| 10°    | 526.3 | 632.6 | 739.0  | 1013.2 | 1343.5 | 1597.4 | 1775.0 | 1917.0 | 1952.0 | 1987.0 | 1952.0 |
| 12.5°  | 503.8 | 648.1 | 792.5  | 1131.1 | 1534.3 | 1798.3 | 1922.9 | 2025.3 | 2061.3 | 2097.4 | 2061.3 |
| 15°    | 467.2 | 673.6 | 880.0  | 1262.8 | 1704.3 | 1975.8 | 2077.1 | 2163.1 | 2203.1 | 2243.2 | 2203.1 |
| 17.5°  | 429.5 | 704.2 | 978.9  | 1369.4 | 1798.4 | 2063.1 | 2163.4 | 2244.1 | 2265.9 | 2287.6 | 2265.9 |
| 20°    | 402.5 | 725.2 | 1047.9 | 1439.2 | 1853.2 | 2103.4 | 2189.7 | 2257.9 | 2271.6 | 2285.4 | 2271.6 |
| 22.5°  | 377.7 | 738.5 | 1099.2 | 1490.9 | 1893.0 | 2126.6 | 2191.9 | 2244.6 | 2259.4 | 2274.1 | 2259.4 |
| 25°    | 343.4 | 749.9 | 1156.4 | 1547.0 | 1932.3 | 2145.6 | 2186.9 | 2220.3 | 2230.3 | 2240.3 | 2230.3 |
| 27.5°  | 310.2 | 739.7 | 1169.3 | 1554.9 | 1925.9 | 2125.0 | 2152.0 | 2174.7 | 2184.4 | 2194.2 | 2184.4 |
| 30°    | 289.9 | 726.5 | 1163.0 | 1545.2 | 1909.2 | 2101.2 | 2121.2 | 2139.7 | 2153.4 | 2167.2 | 2153.4 |
| 32.5°  | 271.9 | 710.4 | 1149.0 | 1526.4 | 1883.4 | 2071.4 | 2090.4 | 2112.1 | 2141.9 | 2171.7 | 2141.9 |
| 35°    | 244.9 | 676.4 | 1108.0 | 1481.4 | 1835.4 | 2027.4 | 2057.4 | 2093.7 | 2148.7 | 2203.8 | 2148.7 |
| 37.5°  | 221.8 | 632.8 | 1043.9 | 1413.4 | 1769.2 | 1978.5 | 2041.3 | 2101.6 | 2154.7 | 2207.7 | 2154.7 |
| 40°    | 208.3 | 602.3 | 996.3  | 1363.2 | 1720.9 | 1941.7 | 2025.5 | 2099.6 | 2144.7 | 2189.7 | 2144.7 |
| 42.5°  | 194.8 | 567.8 | 940.8  | 1304.6 | 1665.4 | 1894.7 | 1992.5 | 2077.1 | 2122.1 | 2167.2 | 2122.1 |
| 45°    | 177.3 | 512.6 | 847.8  | 1208.4 | 1577.4 | 1819.4 | 1934.5 | 2031.4 | 2074.0 | 2116.5 | 2074.0 |
| 47.5°  | 161.0 | 452.2 | 743.4  | 1105.5 | 1491.3 | 1745.2 | 1867.3 | 1966.7 | 1997.7 | 2028.7 | 1997.7 |
| 50°    | 152.0 | 412.2 | 672.4  | 1035.7 | 1433.5 | 1692.5 | 1812.5 | 1908.9 | 1933.9 | 1958.9 | 1933.9 |
| 52.5°  | 143.0 | 373.1 | 603.3  | 967.4  | 1376.2 | 1637.2 | 1750.2 | 1840.8 | 1863.8 | 1886.8 | 1863.8 |
| 55°    | 132.3 | 319.9 | 507.5  | 867.8  | 1285.6 | 1543.9 | 1642.7 | 1721.9 | 1741.9 | 1761.9 | 1741.9 |
| 57.5°  | 122.7 | 274.1 | 425.4  | 774.4  | 1189.2 | 1438.7 | 1523.0 | 1590.3 | 1606.6 | 1622.8 | 1606.6 |
| 60°    | 118.2 | 249.6 | 380.9  | 715.8  | 1118.6 | 1358.2 | 1434.5 | 1495.8 | 1512.0 | 1528.3 | 1512.0 |
| 62.5°  | 111.5 | 225.8 | 340.1  | 657.3  | 1042.1 | 1269.6 | 1339.9 | 1396.4 | 1411.7 | 1427.0 | 1411.7 |
| 65°    | 104.1 | 196.7 | 289.3  | 575.1  | 925.3  | 1129.9 | 1188.7 | 1235.3 | 1245.3 | 1255.3 | 1245.3 |
| 67.5°  | 94.0  | 172.6 | 251.1  | 499.9  | 805.3  | 976.3  | 1012.8 | 1035.6 | 1016.8 | 998.0  | 1016.8 |
| 70°    | 87.2  | 159.8 | 232.4  | 454.1  | 725.5  | 867.5  | 880.0  | 875.9  | 822.1  | 768.4  | 822.1  |
| 72.5°  | 82.7  | 147.3 | 211.8  | 403.8  | 638.2  | 741.7  | 714.1  | 668.0  | 566.2  | 464.4  | 566.2  |
| 75°    | 73.2  | 125.7 | 178.3  | 322.7  | 497.9  | 525.4  | 405.3  | 315.9  | 318.4  | 320.9  | 318.4  |
| 77.5°  | 59.7  | 98.9  | 138.2  | 227.0  | 332.4  | 353.3  | 289.7  | 242.6  | 244.9  | 247.1  | 244.9  |
| 80°    | 50.7  | 81.9  | 113.2  | 148.2  | 184.5  | 201.4  | 198.9  | 197.3  | 198.6  | 199.8  | 198.6  |
| 82.5°  | 41.7  | 64.9  | 88.2   | 109.2  | 129.5  | 140.9  | 143.4  | 144.8  | 143.0  | 141.3  | 143.0  |
| 85°    | 25.3  | 39.1  | 52.9   | 61.0   | 67.2   | 65.4   | 55.4   | 47.2   | 44.7   | 42.2   | 44.7   |
| 87.5°  | 9.2   | 14.6  | 20.0   | 18.5   | 14.7   | 12.8   | 12.8   | 12.9   | 13.0   | 13.0   | 13.0   |
| 90°    | 1.2   | 2.7   | 4.7    | 6.2    | 7.4    | 7.8    | 7.8    | 8.2    | 8.6    | 8.6    | 8.6    |
| 92.5°  | 4.3   | 6.8   | 6.9    | 6.9    | 8.4    | 9.1    | 9.7    | 9.8    | 10.1   | 10.1   | 10.1   |
| 95°    | 12.1  | 13.3  | 19.9   | 19.5   | 13.3   | 10.5   | 9.0    | 9.0    | 9.0    | 9.0    | 9.0    |
| 97.5°  | 23.1  | 24.8  | 25.9   | 34.7   | 36.7   | 35.4   | 28.9   | 24.3   | 21.7   | 20.5   | 21.7   |
| 100°   | 32.8  | 33.6  | 35.9   | 36.3   | 46.1   | 55.4   | 50.7   | 44.9   | 42.9   | 41.8   | 42.9   |
| 102.5° | 42.5  | 42.9  | 46.5   | 48.2   | 50.4   | 55.7   | 72.0   | 70.2   | 68.8   | 68.6   | 68.8   |
| 105°   | 57.0  | 57.4  | 64.0   | 67.1   | 68.7   | 68.7   | 68.3   | 76.1   | 88.6   | 91.3   | 88.6   |
| 107.5° | 72.5  | 74.3  | 82.1   | 90.5   | 92.3   | 92.7   | 90.7   | 89.5   | 89.1   | 89.4   | 89.1   |
| 110°   | 83.1  | 85.9  | 95.2   | 105.8  | 108.5  | 109.3  | 108.5  | 107.3  | 106.5  | 106.5  | 106.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 93.4  | 97.4  | 108.0 | 120.1 | 124.7 | 127.1 | 125.4 | 124.5 | 123.7 | 124.3 | 123.7 |
| 115°   | 109.3 | 115.1 | 129.2 | 141.7 | 151.0 | 152.2 | 151.8 | 151.8 | 151.4 | 151.4 | 151.4 |
| 117.5° | 123.9 | 133.3 | 149.1 | 163.6 | 174.4 | 177.6 | 179.1 | 178.7 | 178.2 | 179.0 | 178.2 |
| 120°   | 134.3 | 145.2 | 163.1 | 179.5 | 190.1 | 194.7 | 196.3 | 195.5 | 196.3 | 195.5 | 196.3 |
| 122.5° | 145.2 | 158.6 | 176.2 | 193.3 | 205.7 | 211.0 | 212.9 | 213.0 | 213.2 | 212.7 | 213.2 |
| 125°   | 161.6 | 178.0 | 198.6 | 216.2 | 229.1 | 235.3 | 236.9 | 237.3 | 238.1 | 240.0 | 238.1 |
| 127.5° | 178.1 | 196.7 | 219.4 | 236.3 | 249.5 | 257.1 | 259.5 | 260.4 | 262.0 | 262.9 | 262.0 |
| 130°   | 189.7 | 210.7 | 233.8 | 249.8 | 262.7 | 270.8 | 275.1 | 276.3 | 278.3 | 277.9 | 278.3 |
| 132.5° | 201.8 | 223.9 | 247.2 | 263.8 | 275.8 | 284.6 | 288.3 | 291.6 | 292.3 | 292.9 | 292.3 |
| 135°   | 219.7 | 243.5 | 266.9 | 283.3 | 294.7 | 303.2 | 307.9 | 311.0 | 313.0 | 314.2 | 313.0 |
| 137.5° | 238.5 | 263.7 | 286.1 | 300.7 | 312.1 | 319.6 | 324.9 | 328.1 | 330.2 | 331.1 | 330.2 |
| 140°   | 251.3 | 275.5 | 297.4 | 312.6 | 322.8 | 330.2 | 334.8 | 338.8 | 341.1 | 341.1 | 341.1 |
| 142.5° | 263.5 | 287.4 | 308.6 | 323.8 | 332.7 | 339.5 | 344.5 | 347.5 | 350.1 | 350.1 | 350.1 |
| 145°   | 280.6 | 304.4 | 323.9 | 339.1 | 346.6 | 352.8 | 358.3 | 360.6 | 362.2 | 362.2 | 362.2 |
| 147.5° | 298.5 | 319.6 | 337.3 | 351.9 | 358.2 | 365.5 | 369.8 | 371.7 | 373.6 | 372.8 | 373.6 |
| 150°   | 309.1 | 328.6 | 345.8 | 359.4 | 365.7 | 372.7 | 377.0 | 378.6 | 380.5 | 379.3 | 380.5 |
| 152.5° | 319.4 | 338.0 | 353.6 | 366.3 | 371.6 | 378.6 | 383.6 | 385.1 | 386.4 | 385.6 | 386.4 |
| 155°   | 333.3 | 349.7 | 364.1 | 375.8 | 380.5 | 387.1 | 391.8 | 393.8 | 395.3 | 393.4 | 395.3 |
| 157.5° | 345.7 | 359.8 | 372.4 | 383.2 | 388.2 | 393.9 | 398.2 | 400.6 | 402.2 | 401.4 | 402.2 |
| 160°   | 353.2 | 366.1 | 377.4 | 387.5 | 392.2 | 397.3 | 402.0 | 404.7 | 406.3 | 405.1 | 406.3 |
| 162.5° | 359.4 | 371.1 | 381.8 | 391.0 | 395.0 | 399.5 | 405.1 | 407.5 | 409.1 | 407.6 | 409.1 |
| 165°   | 368.4 | 377.8 | 387.1 | 395.0 | 398.5 | 402.0 | 407.8 | 410.6 | 411.7 | 410.2 | 411.7 |
| 167.5° | 375.2 | 382.4 | 390.0 | 396.7 | 399.2 | 402.7 | 408.5 | 410.8 | 412.3 | 410.3 | 412.3 |
| 170°   | 379.0 | 385.2 | 391.8 | 397.3 | 399.2 | 402.4 | 408.2 | 410.2 | 411.3 | 409.4 | 411.3 |
| 172.5° | 382.1 | 386.8 | 392.1 | 397.0 | 398.0 | 400.5 | 406.0 | 408.0 | 408.8 | 407.2 | 408.8 |
| 175°   | 385.2 | 387.9 | 391.8 | 395.0 | 394.6 | 396.1 | 400.8 | 402.4 | 403.9 | 401.6 | 403.9 |
| 177.5° | 386.7 | 387.9 | 389.2 | 391.0 | 389.8 | 389.8 | 393.2 | 394.2 | 394.5 | 393.2 | 394.5 |
| 180°   | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°  | 180°  | 190°  | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 0°     | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4 | 585.4 | 585.4 | 585.4  | 585.4  |
| 2.5°   | 665.7  | 653.7  | 639.7  | 626.7  | 614.7  | 602.9  | 591.9 | 580.9 | 591.9 | 602.9  | 614.7  |
| 5°     | 967.9  | 902.5  | 826.2  | 758.0  | 698.0  | 643.6  | 606.1 | 568.5 | 606.1 | 643.6  | 698.0  |
| 7.5°   | 1622.8 | 1453.0 | 1248.4 | 1051.0 | 860.9  | 699.2  | 622.9 | 546.6 | 622.9 | 699.2  | 860.9  |
| 10°    | 1917.0 | 1775.0 | 1597.4 | 1343.5 | 1013.2 | 739.0  | 632.6 | 526.3 | 632.6 | 739.0  | 1013.2 |
| 12.5°  | 2025.3 | 1922.9 | 1798.3 | 1534.3 | 1131.1 | 792.5  | 648.1 | 503.8 | 648.1 | 792.5  | 1131.1 |
| 15°    | 2163.1 | 2077.1 | 1975.8 | 1704.3 | 1262.8 | 880.0  | 673.6 | 467.2 | 673.6 | 880.0  | 1262.8 |
| 17.5°  | 2244.1 | 2163.4 | 2063.1 | 1798.4 | 1369.4 | 978.9  | 704.2 | 429.5 | 704.2 | 978.9  | 1369.4 |
| 20°    | 2257.9 | 2189.7 | 2103.4 | 1853.2 | 1439.2 | 1047.9 | 725.2 | 402.5 | 725.2 | 1047.9 | 1439.2 |
| 22.5°  | 2244.6 | 2191.9 | 2126.6 | 1893.0 | 1490.9 | 1099.2 | 738.5 | 377.7 | 738.5 | 1099.2 | 1490.9 |
| 25°    | 2220.3 | 2186.9 | 2145.6 | 1932.3 | 1547.0 | 1156.4 | 749.9 | 343.4 | 749.9 | 1156.4 | 1547.0 |
| 27.5°  | 2174.7 | 2152.0 | 2125.0 | 1925.9 | 1554.9 | 1169.3 | 739.7 | 310.2 | 739.7 | 1169.3 | 1554.9 |
| 30°    | 2139.7 | 2121.2 | 2101.2 | 1909.2 | 1545.2 | 1163.0 | 726.5 | 289.9 | 726.5 | 1163.0 | 1545.2 |
| 32.5°  | 2112.1 | 2090.4 | 2071.4 | 1883.4 | 1526.4 | 1149.0 | 710.4 | 271.9 | 710.4 | 1149.0 | 1526.4 |
| 35°    | 2093.7 | 2057.4 | 2027.4 | 1835.4 | 1481.4 | 1108.0 | 676.4 | 244.9 | 676.4 | 1108.0 | 1481.4 |
| 37.5°  | 2101.6 | 2041.3 | 1978.5 | 1769.2 | 1413.4 | 1043.9 | 632.8 | 221.8 | 632.8 | 1043.9 | 1413.4 |
| 40°    | 2099.6 | 2025.5 | 1941.7 | 1720.9 | 1363.2 | 996.3  | 602.3 | 208.3 | 602.3 | 996.3  | 1363.2 |
| 42.5°  | 2077.1 | 1992.5 | 1894.7 | 1665.4 | 1304.6 | 940.8  | 567.8 | 194.8 | 567.8 | 940.8  | 1304.6 |
| 45°    | 2031.4 | 1934.5 | 1819.4 | 1577.4 | 1208.4 | 847.8  | 512.6 | 177.3 | 512.6 | 847.8  | 1208.4 |
| 47.5°  | 1966.7 | 1867.3 | 1745.2 | 1491.3 | 1105.5 | 743.4  | 452.2 | 161.0 | 452.2 | 743.4  | 1105.5 |
| 50°    | 1908.9 | 1812.5 | 1692.5 | 1433.5 | 1035.7 | 672.4  | 412.2 | 152.0 | 412.2 | 672.4  | 1035.7 |
| 52.5°  | 1840.8 | 1750.2 | 1637.2 | 1376.2 | 967.4  | 603.3  | 373.1 | 143.0 | 373.1 | 603.3  | 967.4  |
| 55°    | 1721.9 | 1642.7 | 1543.9 | 1285.6 | 867.8  | 507.5  | 319.9 | 132.3 | 319.9 | 507.5  | 867.8  |
| 57.5°  | 1590.3 | 1523.0 | 1438.7 | 1189.2 | 774.4  | 425.4  | 274.1 | 122.7 | 274.1 | 425.4  | 774.4  |
| 60°    | 1495.8 | 1434.5 | 1358.2 | 1118.6 | 715.8  | 380.9  | 249.6 | 118.2 | 249.6 | 380.9  | 715.8  |
| 62.5°  | 1396.4 | 1339.9 | 1269.6 | 1042.1 | 657.3  | 340.1  | 225.8 | 111.5 | 225.8 | 340.1  | 657.3  |
| 65°    | 1235.3 | 1188.7 | 1129.9 | 925.3  | 575.1  | 289.3  | 196.7 | 104.1 | 196.7 | 289.3  | 575.1  |
| 67.5°  | 1035.6 | 1012.8 | 976.3  | 805.3  | 499.9  | 251.1  | 172.6 | 94.0  | 172.6 | 251.1  | 499.9  |
| 70°    | 875.9  | 880.0  | 867.5  | 725.5  | 454.1  | 232.4  | 159.8 | 87.2  | 159.8 | 232.4  | 454.1  |
| 72.5°  | 668.0  | 714.1  | 741.7  | 638.2  | 403.8  | 211.8  | 147.3 | 82.7  | 147.3 | 211.8  | 403.8  |
| 75°    | 315.9  | 405.3  | 525.4  | 497.9  | 322.7  | 178.3  | 125.7 | 73.2  | 125.7 | 178.3  | 322.7  |
| 77.5°  | 242.6  | 289.7  | 353.3  | 332.4  | 227.0  | 138.2  | 98.9  | 59.7  | 98.9  | 138.2  | 227.0  |
| 80°    | 197.3  | 198.9  | 201.4  | 184.5  | 148.2  | 113.2  | 81.9  | 50.7  | 81.9  | 113.2  | 148.2  |
| 82.5°  | 144.8  | 143.4  | 140.9  | 129.5  | 109.2  | 88.2   | 64.9  | 41.7  | 64.9  | 88.2   | 109.2  |
| 85°    | 47.2   | 55.4   | 65.4   | 67.2   | 61.0   | 52.9   | 39.1  | 25.3  | 39.1  | 52.9   | 61.0   |
| 87.5°  | 12.9   | 12.8   | 12.8   | 14.7   | 18.5   | 20.0   | 14.6  | 9.2   | 14.6  | 19.9   | 18.7   |
| 90°    | 8.2    | 7.8    | 7.8    | 7.4    | 6.2    | 4.7    | 2.7   | 1.2   | 2.7   | 4.3    | 7.0    |
| 92.5°  | 9.8    | 9.7    | 9.1    | 8.4    | 6.9    | 6.9    | 6.8   | 4.3   | 7.4   | 10.5   | 15.1   |
| 95°    | 9.0    | 9.0    | 10.5   | 13.3   | 19.5   | 19.9   | 13.3  | 12.1  | 17.2  | 24.2   | 30.4   |
| 97.5°  | 24.3   | 28.9   | 35.4   | 36.7   | 34.7   | 25.9   | 24.8  | 23.1  | 31.5  | 38.4   | 48.5   |
| 100°   | 44.9   | 50.7   | 55.4   | 46.1   | 36.3   | 35.9   | 33.6  | 32.8  | 41.8  | 48.4   | 58.1   |
| 102.5° | 70.2   | 72.0   | 55.7   | 50.4   | 48.2   | 46.5   | 42.9  | 42.5  | 51.4  | 60.6   | 68.8   |
| 105°   | 76.1   | 68.3   | 68.7   | 68.7   | 67.1   | 64.0   | 57.4  | 57.0  | 67.1  | 77.7   | 87.8   |
| 107.5° | 89.5   | 90.7   | 92.7   | 92.3   | 90.5   | 82.1   | 74.3  | 72.5  | 81.6  | 94.3   | 105.5  |
| 110°   | 107.3  | 108.5  | 109.3  | 108.5  | 105.8  | 95.2   | 85.9  | 83.1  | 91.3  | 104.6  | 116.7  |



TEST NUMBER: P1435927

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**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 124.5 | 125.4 | 127.1 | 124.7 | 120.1 | 108.0 | 97.4  | 93.4  | 101.6 | 115.2 | 127.6 |
| 115°   | 151.8 | 151.8 | 152.2 | 151.0 | 141.7 | 129.2 | 115.1 | 109.3 | 116.3 | 128.8 | 142.4 |
| 117.5° | 178.7 | 179.1 | 177.6 | 174.4 | 163.6 | 149.1 | 133.3 | 123.9 | 129.5 | 142.7 | 156.7 |
| 120°   | 195.5 | 196.3 | 194.7 | 190.1 | 179.5 | 163.1 | 145.2 | 134.3 | 138.5 | 151.4 | 165.5 |
| 122.5° | 213.0 | 212.9 | 211.0 | 205.7 | 193.3 | 176.2 | 158.6 | 145.2 | 147.0 | 158.9 | 172.7 |
| 125°   | 237.3 | 236.9 | 235.3 | 229.1 | 216.2 | 198.6 | 178.0 | 161.6 | 159.2 | 169.4 | 183.4 |
| 127.5° | 260.4 | 259.5 | 257.1 | 249.5 | 236.3 | 219.4 | 196.7 | 178.1 | 172.9 | 179.3 | 192.2 |
| 130°   | 276.3 | 275.1 | 270.8 | 262.7 | 249.8 | 233.8 | 210.7 | 189.7 | 182.3 | 186.2 | 197.5 |
| 132.5° | 291.6 | 288.3 | 284.6 | 275.8 | 263.8 | 247.2 | 223.9 | 201.8 | 191.6 | 193.3 | 202.2 |
| 135°   | 311.0 | 307.9 | 303.2 | 294.7 | 283.3 | 266.9 | 243.5 | 219.7 | 205.7 | 204.1 | 209.2 |
| 137.5° | 328.1 | 324.9 | 319.6 | 312.1 | 300.7 | 286.1 | 263.7 | 238.5 | 220.8 | 215.6 | 217.5 |
| 140°   | 338.8 | 334.8 | 330.2 | 322.8 | 312.6 | 297.4 | 275.5 | 251.3 | 231.4 | 224.0 | 222.8 |
| 142.5° | 347.5 | 344.5 | 339.5 | 332.7 | 323.8 | 308.6 | 287.4 | 263.5 | 242.4 | 232.8 | 230.0 |
| 145°   | 360.6 | 358.3 | 352.8 | 346.6 | 339.1 | 323.9 | 304.4 | 280.6 | 259.5 | 247.0 | 241.2 |
| 147.5° | 371.7 | 369.8 | 365.5 | 358.2 | 351.9 | 337.3 | 319.6 | 298.5 | 276.9 | 261.4 | 253.8 |
| 150°   | 378.6 | 377.0 | 372.7 | 365.7 | 359.4 | 345.8 | 328.6 | 309.1 | 288.4 | 272.0 | 262.3 |
| 152.5° | 385.1 | 383.6 | 378.6 | 371.6 | 366.3 | 353.6 | 338.0 | 319.4 | 298.4 | 282.0 | 271.9 |
| 155°   | 393.8 | 391.8 | 387.1 | 380.5 | 375.8 | 364.1 | 349.7 | 333.3 | 315.3 | 298.2 | 286.8 |
| 157.5° | 400.6 | 398.2 | 393.9 | 388.2 | 383.2 | 372.4 | 359.8 | 345.7 | 330.0 | 313.6 | 302.1 |
| 160°   | 404.7 | 402.0 | 397.3 | 392.2 | 387.5 | 377.4 | 366.1 | 353.2 | 338.8 | 323.9 | 311.4 |
| 162.5° | 407.5 | 405.1 | 399.5 | 395.0 | 391.0 | 381.8 | 371.1 | 359.4 | 346.6 | 333.6 | 322.0 |
| 165°   | 410.6 | 407.8 | 402.0 | 398.5 | 395.0 | 387.1 | 377.8 | 368.4 | 357.5 | 346.9 | 337.6 |
| 167.5° | 410.8 | 408.5 | 402.7 | 399.2 | 396.7 | 390.0 | 382.4 | 375.2 | 366.7 | 358.4 | 350.6 |
| 170°   | 410.2 | 408.2 | 402.4 | 399.2 | 397.3 | 391.8 | 385.2 | 379.0 | 372.3 | 365.3 | 359.0 |
| 172.5° | 408.0 | 406.0 | 400.5 | 398.0 | 397.0 | 392.1 | 386.8 | 382.1 | 376.4 | 371.2 | 366.2 |
| 175°   | 402.4 | 400.8 | 396.1 | 394.6 | 395.0 | 391.8 | 387.9 | 385.2 | 381.7 | 378.6 | 375.8 |
| 177.5° | 394.2 | 393.2 | 389.8 | 389.8 | 391.0 | 389.2 | 387.9 | 386.7 | 385.1 | 384.2 | 383.2 |
| 180°   | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  | 585.4  |
| 2.5°   | 626.7  | 639.7  | 653.7  | 665.7  | 671.7  | 677.7  | 671.7  | 665.7  | 653.7  | 639.7  | 626.7  |
| 5°     | 758.0  | 826.2  | 902.5  | 967.9  | 1000.4 | 1032.9 | 1000.4 | 967.9  | 902.5  | 826.2  | 758.0  |
| 7.5°   | 1051.0 | 1248.4 | 1453.0 | 1622.8 | 1687.8 | 1752.9 | 1687.8 | 1622.8 | 1453.0 | 1248.4 | 1051.0 |
| 10°    | 1343.5 | 1597.4 | 1775.0 | 1917.0 | 1952.0 | 1987.0 | 1952.0 | 1917.0 | 1775.0 | 1597.4 | 1343.5 |
| 12.5°  | 1534.3 | 1798.3 | 1922.9 | 2025.3 | 2061.3 | 2097.4 | 2061.3 | 2025.3 | 1922.9 | 1798.3 | 1534.3 |
| 15°    | 1704.3 | 1975.8 | 2077.1 | 2163.1 | 2203.1 | 2243.2 | 2203.1 | 2163.1 | 2077.1 | 1975.8 | 1704.3 |
| 17.5°  | 1798.4 | 2063.1 | 2163.4 | 2244.1 | 2265.9 | 2287.6 | 2265.9 | 2244.1 | 2163.4 | 2063.1 | 1798.4 |
| 20°    | 1853.2 | 2103.4 | 2189.7 | 2257.9 | 2271.6 | 2285.4 | 2271.6 | 2257.9 | 2189.7 | 2103.4 | 1853.2 |
| 22.5°  | 1893.0 | 2126.6 | 2191.9 | 2244.6 | 2259.4 | 2274.1 | 2259.4 | 2244.6 | 2191.9 | 2126.6 | 1893.0 |
| 25°    | 1932.3 | 2145.6 | 2186.9 | 2220.3 | 2230.3 | 2240.3 | 2230.3 | 2220.3 | 2186.9 | 2145.6 | 1932.3 |
| 27.5°  | 1925.9 | 2125.0 | 2152.0 | 2174.7 | 2184.4 | 2194.2 | 2184.4 | 2174.7 | 2152.0 | 2125.0 | 1925.9 |
| 30°    | 1909.2 | 2101.2 | 2121.2 | 2139.7 | 2153.4 | 2167.2 | 2153.4 | 2139.7 | 2121.2 | 2101.2 | 1909.2 |
| 32.5°  | 1883.4 | 2071.4 | 2090.4 | 2112.1 | 2141.9 | 2171.7 | 2141.9 | 2112.1 | 2090.4 | 2071.4 | 1883.4 |
| 35°    | 1835.4 | 2027.4 | 2057.4 | 2093.7 | 2148.7 | 2203.8 | 2148.7 | 2093.7 | 2057.4 | 2027.4 | 1835.4 |
| 37.5°  | 1769.2 | 1978.5 | 2041.3 | 2101.6 | 2154.7 | 2207.7 | 2154.7 | 2101.6 | 2041.3 | 1978.5 | 1769.2 |
| 40°    | 1720.9 | 1941.7 | 2025.5 | 2099.6 | 2144.7 | 2189.7 | 2144.7 | 2099.6 | 2025.5 | 1941.7 | 1720.9 |
| 42.5°  | 1665.4 | 1894.7 | 1992.5 | 2077.1 | 2122.1 | 2167.2 | 2122.1 | 2077.1 | 1992.5 | 1894.7 | 1665.4 |
| 45°    | 1577.4 | 1819.4 | 1934.5 | 2031.4 | 2074.0 | 2116.5 | 2074.0 | 2031.4 | 1934.5 | 1819.4 | 1577.4 |
| 47.5°  | 1491.3 | 1745.2 | 1867.3 | 1966.7 | 1997.7 | 2028.7 | 1997.7 | 1966.7 | 1867.3 | 1745.2 | 1491.3 |
| 50°    | 1433.5 | 1692.5 | 1812.5 | 1908.9 | 1933.9 | 1958.9 | 1933.9 | 1908.9 | 1812.5 | 1692.5 | 1433.5 |
| 52.5°  | 1376.2 | 1637.2 | 1750.2 | 1840.8 | 1863.8 | 1886.8 | 1863.8 | 1840.8 | 1750.2 | 1637.2 | 1376.2 |
| 55°    | 1285.6 | 1543.9 | 1642.7 | 1721.9 | 1741.9 | 1761.9 | 1741.9 | 1721.9 | 1642.7 | 1543.9 | 1285.6 |
| 57.5°  | 1189.2 | 1438.7 | 1523.0 | 1590.3 | 1606.6 | 1622.8 | 1606.6 | 1590.3 | 1523.0 | 1438.7 | 1189.2 |
| 60°    | 1118.6 | 1358.2 | 1434.5 | 1495.8 | 1512.0 | 1528.3 | 1512.0 | 1495.8 | 1434.5 | 1358.2 | 1118.6 |
| 62.5°  | 1042.1 | 1269.6 | 1339.9 | 1396.4 | 1411.7 | 1427.0 | 1411.7 | 1396.4 | 1339.9 | 1269.6 | 1042.1 |
| 65°    | 925.3  | 1129.9 | 1188.7 | 1235.3 | 1245.3 | 1255.3 | 1245.3 | 1235.3 | 1188.7 | 1129.9 | 925.3  |
| 67.5°  | 805.3  | 976.3  | 1012.8 | 1035.6 | 1016.8 | 998.0  | 1016.8 | 1035.6 | 1012.8 | 976.3  | 805.3  |
| 70°    | 725.5  | 867.5  | 880.0  | 875.9  | 822.1  | 768.4  | 822.1  | 875.9  | 880.0  | 867.5  | 725.5  |
| 72.5°  | 638.2  | 741.7  | 714.1  | 668.0  | 566.2  | 464.4  | 566.2  | 668.0  | 714.1  | 741.7  | 638.2  |
| 75°    | 497.9  | 525.4  | 405.3  | 315.9  | 318.4  | 320.9  | 318.4  | 315.9  | 405.3  | 525.4  | 497.9  |
| 77.5°  | 332.4  | 353.3  | 289.7  | 242.6  | 244.9  | 247.1  | 244.9  | 242.6  | 289.7  | 353.3  | 332.4  |
| 80°    | 184.5  | 201.4  | 198.9  | 197.3  | 198.6  | 199.8  | 198.6  | 197.3  | 198.9  | 201.4  | 184.5  |
| 82.5°  | 129.5  | 140.9  | 143.4  | 144.8  | 143.0  | 141.3  | 143.0  | 144.8  | 143.4  | 140.9  | 129.5  |
| 85°    | 67.2   | 65.4   | 55.4   | 47.2   | 44.7   | 42.2   | 44.7   | 47.2   | 55.4   | 65.4   | 67.2   |
| 87.5°  | 15.1   | 13.6   | 14.1   | 14.5   | 14.8   | 14.6   | 14.8   | 14.5   | 14.1   | 13.6   | 15.1   |
| 90°    | 9.0    | 11.7   | 14.4   | 16.0   | 17.6   | 16.8   | 17.6   | 16.0   | 14.4   | 11.7   | 9.0    |
| 92.5°  | 18.0   | 22.6   | 26.0   | 28.8   | 30.1   | 29.9   | 30.1   | 28.8   | 26.0   | 22.6   | 18.0   |
| 95°    | 36.3   | 41.8   | 47.2   | 51.1   | 53.5   | 52.7   | 53.5   | 51.1   | 47.2   | 41.8   | 36.3   |
| 97.5°  | 56.0   | 63.3   | 69.4   | 73.1   | 75.4   | 77.0   | 75.4   | 73.1   | 69.4   | 63.3   | 56.0   |
| 100°   | 69.1   | 76.1   | 83.1   | 87.4   | 91.3   | 92.9   | 91.3   | 87.4   | 83.1   | 76.1   | 69.1   |
| 102.5° | 79.7   | 88.9   | 96.6   | 101.2  | 104.4  | 106.0  | 104.4  | 101.2  | 96.6   | 88.9   | 79.7   |
| 105°   | 97.2   | 106.9  | 115.1  | 121.0  | 124.5  | 125.7  | 124.5  | 121.0  | 115.1  | 106.9  | 97.2   |
| 107.5° | 114.7  | 124.7  | 132.3  | 138.8  | 143.1  | 145.6  | 143.1  | 138.8  | 132.3  | 124.7  | 114.7  |
| 110°   | 128.4  | 136.6  | 144.8  | 150.6  | 154.9  | 156.5  | 154.9  | 150.6  | 144.8  | 136.6  | 128.4  |



TEST NUMBER: P1435927

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 140.0 | 149.1 | 157.3 | 163.1 | 168.0 | 170.2 | 168.0 | 163.1 | 157.3 | 149.1 | 140.0 |
| 115°   | 156.1 | 168.2 | 175.6 | 181.1 | 184.6 | 186.5 | 184.6 | 181.1 | 175.6 | 168.2 | 156.1 |
| 117.5° | 169.5 | 182.2 | 190.3 | 194.5 | 196.1 | 197.6 | 196.1 | 194.5 | 190.3 | 182.2 | 169.5 |
| 120°   | 178.0 | 189.7 | 199.0 | 204.5 | 206.5 | 207.2 | 206.5 | 204.5 | 199.0 | 189.7 | 178.0 |
| 122.5° | 185.8 | 196.9 | 205.9 | 212.6 | 215.8 | 216.6 | 215.8 | 212.6 | 205.9 | 196.9 | 185.8 |
| 125°   | 196.7 | 207.2 | 216.6 | 223.2 | 226.7 | 228.7 | 226.7 | 223.2 | 216.6 | 207.2 | 196.7 |
| 127.5° | 206.2 | 217.6 | 226.2 | 232.2 | 235.6 | 237.2 | 235.6 | 232.2 | 226.2 | 217.6 | 206.2 |
| 130°   | 211.5 | 223.2 | 231.8 | 238.5 | 241.6 | 243.1 | 241.6 | 238.5 | 231.8 | 223.2 | 211.5 |
| 132.5° | 215.6 | 227.9 | 236.8 | 242.8 | 246.3 | 247.8 | 246.3 | 242.8 | 236.8 | 227.9 | 215.6 |
| 135°   | 220.5 | 233.4 | 242.7 | 248.6 | 251.7 | 253.3 | 251.7 | 248.6 | 242.7 | 233.4 | 220.5 |
| 137.5° | 224.8 | 236.5 | 246.3 | 252.4 | 255.2 | 256.2 | 255.2 | 252.4 | 246.3 | 236.5 | 224.8 |
| 140°   | 227.9 | 238.1 | 247.8 | 253.7 | 256.8 | 257.2 | 256.8 | 253.7 | 247.8 | 238.1 | 227.9 |
| 142.5° | 232.0 | 239.9 | 248.4 | 254.3 | 257.4 | 258.1 | 257.4 | 254.3 | 248.4 | 239.9 | 232.0 |
| 145°   | 239.2 | 243.9 | 249.8 | 255.2 | 258.0 | 258.7 | 258.0 | 255.2 | 249.8 | 243.9 | 239.2 |
| 147.5° | 248.4 | 249.8 | 252.9 | 256.5 | 259.1 | 259.7 | 259.1 | 256.5 | 252.9 | 249.8 | 248.4 |
| 150°   | 255.2 | 254.8 | 256.0 | 258.4 | 260.7 | 260.3 | 260.7 | 258.4 | 256.0 | 254.8 | 255.2 |
| 152.5° | 263.0 | 260.8 | 260.7 | 261.8 | 262.9 | 262.8 | 262.9 | 261.8 | 260.7 | 260.8 | 263.0 |
| 155°   | 276.3 | 272.0 | 269.7 | 268.9 | 268.9 | 268.5 | 268.9 | 268.9 | 269.7 | 272.0 | 276.3 |
| 157.5° | 290.9 | 284.9 | 281.4 | 279.5 | 279.0 | 278.1 | 279.0 | 279.5 | 281.4 | 284.9 | 290.9 |
| 160°   | 300.9 | 294.3 | 290.7 | 287.6 | 286.5 | 285.3 | 286.5 | 287.6 | 290.7 | 294.3 | 300.9 |
| 162.5° | 310.3 | 303.9 | 300.1 | 297.3 | 296.1 | 294.3 | 296.1 | 297.3 | 300.1 | 303.9 | 310.3 |
| 165°   | 325.5 | 318.8 | 314.6 | 312.2 | 310.7 | 309.1 | 310.7 | 312.2 | 314.6 | 318.8 | 325.5 |
| 167.5° | 340.7 | 333.4 | 330.6 | 328.0 | 326.5 | 323.7 | 326.5 | 328.0 | 330.6 | 333.4 | 340.7 |
| 170°   | 350.1 | 343.4 | 341.9 | 339.5 | 336.8 | 333.7 | 336.8 | 339.5 | 341.9 | 343.4 | 350.1 |
| 172.5° | 358.2 | 353.7 | 352.2 | 349.8 | 349.0 | 346.5 | 349.0 | 349.8 | 352.2 | 353.7 | 358.2 |
| 175°   | 370.0 | 366.5 | 366.5 | 366.1 | 364.9 | 362.6 | 364.9 | 366.1 | 366.5 | 366.5 | 370.0 |
| 177.5° | 379.8 | 377.9 | 379.2 | 379.2 | 378.9 | 376.7 | 378.9 | 379.2 | 379.2 | 377.9 | 379.8 |
| 180°   | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 | 386.4 |



TEST NUMBER: P1435927

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°  | 360°  |
|--------|--------|--------|-------|-------|
| 0°     | 585.4  | 585.4  | 585.4 | 585.4 |
| 2.5°   | 614.7  | 602.9  | 591.9 | 580.9 |
| 5°     | 698.0  | 643.6  | 606.1 | 568.5 |
| 7.5°   | 860.9  | 699.2  | 622.9 | 546.6 |
| 10°    | 1013.2 | 739.0  | 632.6 | 526.3 |
| 12.5°  | 1131.1 | 792.5  | 648.1 | 503.8 |
| 15°    | 1262.8 | 880.0  | 673.6 | 467.2 |
| 17.5°  | 1369.4 | 978.9  | 704.2 | 429.5 |
| 20°    | 1439.2 | 1047.9 | 725.2 | 402.5 |
| 22.5°  | 1490.9 | 1099.2 | 738.5 | 377.7 |
| 25°    | 1547.0 | 1156.4 | 749.9 | 343.4 |
| 27.5°  | 1554.9 | 1169.3 | 739.7 | 310.2 |
| 30°    | 1545.2 | 1163.0 | 726.5 | 289.9 |
| 32.5°  | 1526.4 | 1149.0 | 710.4 | 271.9 |
| 35°    | 1481.4 | 1108.0 | 676.4 | 244.9 |
| 37.5°  | 1413.4 | 1043.9 | 632.8 | 221.8 |
| 40°    | 1363.2 | 996.3  | 602.3 | 208.3 |
| 42.5°  | 1304.6 | 940.8  | 567.8 | 194.8 |
| 45°    | 1208.4 | 847.8  | 512.6 | 177.3 |
| 47.5°  | 1105.5 | 743.4  | 452.2 | 161.0 |
| 50°    | 1035.7 | 672.4  | 412.2 | 152.0 |
| 52.5°  | 967.4  | 603.3  | 373.1 | 143.0 |
| 55°    | 867.8  | 507.5  | 319.9 | 132.3 |
| 57.5°  | 774.4  | 425.4  | 274.1 | 122.7 |
| 60°    | 715.8  | 380.9  | 249.6 | 118.2 |
| 62.5°  | 657.3  | 340.1  | 225.8 | 111.5 |
| 65°    | 575.1  | 289.3  | 196.7 | 104.1 |
| 67.5°  | 499.9  | 251.1  | 172.6 | 94.0  |
| 70°    | 454.1  | 232.4  | 159.8 | 87.2  |
| 72.5°  | 403.8  | 211.8  | 147.3 | 82.7  |
| 75°    | 322.7  | 178.3  | 125.7 | 73.2  |
| 77.5°  | 227.0  | 138.2  | 98.9  | 59.7  |
| 80°    | 148.2  | 113.2  | 81.9  | 50.7  |
| 82.5°  | 109.2  | 88.2   | 64.9  | 41.7  |
| 85°    | 61.0   | 52.9   | 39.1  | 25.3  |
| 87.5°  | 18.7   | 19.9   | 14.6  | 9.2   |
| 90°    | 7.0    | 4.3    | 2.7   | 1.2   |
| 92.5°  | 15.1   | 10.5   | 7.4   | 4.3   |
| 95°    | 30.4   | 24.2   | 17.2  | 12.1  |
| 97.5°  | 48.5   | 38.4   | 31.5  | 23.1  |
| 100°   | 58.1   | 48.4   | 41.8  | 32.8  |
| 102.5° | 68.8   | 60.6   | 51.4  | 42.5  |
| 105°   | 87.8   | 77.7   | 67.1  | 57.0  |
| 107.5° | 105.5  | 94.3   | 81.6  | 72.5  |
| 110°   | 116.7  | 104.6  | 91.3  | 83.1  |

TEST NUMBER: P1435927

CATALOG NUMBER: SQ2W-FB-K-025U-125D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 340°  | 350°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 127.6 | 115.2 | 101.6 | 93.4  |
| 115°   | 142.4 | 128.8 | 116.3 | 109.3 |
| 117.5° | 156.7 | 142.7 | 129.5 | 123.9 |
| 120°   | 165.5 | 151.4 | 138.5 | 134.3 |
| 122.5° | 172.7 | 158.9 | 147.0 | 145.2 |
| 125°   | 183.4 | 169.4 | 159.2 | 161.6 |
| 127.5° | 192.2 | 179.3 | 172.9 | 178.1 |
| 130°   | 197.5 | 186.2 | 182.3 | 189.7 |
| 132.5° | 202.2 | 193.3 | 191.6 | 201.8 |
| 135°   | 209.2 | 204.1 | 205.7 | 219.7 |
| 137.5° | 217.5 | 215.6 | 220.8 | 238.5 |
| 140°   | 222.8 | 224.0 | 231.4 | 251.3 |
| 142.5° | 230.0 | 232.8 | 242.4 | 263.5 |
| 145°   | 241.2 | 247.0 | 259.5 | 280.6 |
| 147.5° | 253.8 | 261.4 | 276.9 | 298.5 |
| 150°   | 262.3 | 272.0 | 288.4 | 309.1 |
| 152.5° | 271.9 | 282.0 | 298.4 | 319.4 |
| 155°   | 286.8 | 298.2 | 315.3 | 333.3 |
| 157.5° | 302.1 | 313.6 | 330.0 | 345.7 |
| 160°   | 311.4 | 323.9 | 338.8 | 353.2 |
| 162.5° | 322.0 | 333.6 | 346.6 | 359.4 |
| 165°   | 337.6 | 346.9 | 357.5 | 368.4 |
| 167.5° | 350.6 | 358.4 | 366.7 | 375.2 |
| 170°   | 359.0 | 365.3 | 372.3 | 379.0 |
| 172.5° | 366.2 | 371.2 | 376.4 | 382.1 |
| 175°   | 375.8 | 378.6 | 381.7 | 385.2 |
| 177.5° | 383.2 | 384.2 | 385.1 | 386.7 |
| 180°   | 386.4 | 386.4 | 386.4 | 386.4 |



TEST NUMBER: P1435927  
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**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 16.62            | 17.95 | 17.22 | 18.56 | 19.25 | 26.22          | 27.55 | 26.81 | 28.16 | 28.85 |
|                 | 3H   | 17.59            | 18.79 | 18.21 | 19.41 | 20.14 | 27.86          | 29.06 | 28.47 | 29.68 | 30.40 |
|                 | 4H   | 18.01            | 19.14 | 18.65 | 19.78 | 20.52 | 28.06          | 29.19 | 28.69 | 29.82 | 30.56 |
|                 | 6H   | 18.29            | 19.34 | 18.94 | 19.98 | 20.74 | 28.16          | 29.20 | 28.80 | 29.85 | 30.60 |
|                 | 8H   | 18.40            | 19.40 | 19.06 | 20.06 | 20.82 | 28.19          | 29.19 | 28.85 | 29.85 | 30.61 |
|                 | 12H  | 18.46            | 19.42 | 19.13 | 20.08 | 20.86 | 28.18          | 29.14 | 28.85 | 29.80 | 30.58 |
| 4H              | 2H   | 21.40            | 22.53 | 22.03 | 23.16 | 23.90 | 26.64          | 27.77 | 27.27 | 28.40 | 29.14 |
|                 | 3H   | 22.57            | 23.52 | 23.22 | 24.19 | 24.95 | 28.57          | 29.52 | 29.22 | 30.19 | 30.95 |
|                 | 4H   | 22.87            | 23.73 | 23.54 | 24.41 | 25.20 | 28.81          | 29.67 | 29.48 | 30.35 | 31.14 |
|                 | 6H   | 23.04            | 23.78 | 23.72 | 24.48 | 25.28 | 28.97          | 29.72 | 29.66 | 30.42 | 31.22 |
|                 | 8H   | 23.09            | 23.78 | 23.78 | 24.48 | 25.30 | 29.03          | 29.73 | 29.72 | 30.43 | 31.24 |
|                 | 12H  | 23.11            | 23.74 | 23.83 | 24.46 | 25.28 | 29.04          | 29.66 | 29.75 | 30.39 | 31.20 |
| 8H              | 4H   | 24.11            | 24.80 | 24.80 | 25.50 | 26.31 | 28.95          | 29.64 | 29.64 | 30.34 | 31.15 |
|                 | 6H   | 24.39            | 24.96 | 25.11 | 25.70 | 26.52 | 29.17          | 29.74 | 29.89 | 30.48 | 31.30 |
|                 | 8H   | 24.49            | 25.00 | 25.23 | 25.75 | 26.58 | 29.26          | 29.77 | 30.00 | 30.52 | 31.35 |
|                 | 12H  | 24.56            | 25.01 | 25.29 | 25.74 | 26.64 | 29.29          | 29.74 | 30.03 | 30.48 | 31.37 |
| 12H             | 4H   | 24.15            | 24.78 | 24.87 | 25.50 | 26.32 | 28.92          | 29.55 | 29.63 | 30.27 | 31.09 |
|                 | 6H   | 24.50            | 25.01 | 25.23 | 25.76 | 26.59 | 29.15          | 29.67 | 29.89 | 30.41 | 31.24 |
|                 | 8H   | 24.66            | 25.11 | 25.40 | 25.85 | 26.74 | 29.28          | 29.73 | 30.01 | 30.46 | 31.36 |