

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: P1428099

Luminaire Tested: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428099  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

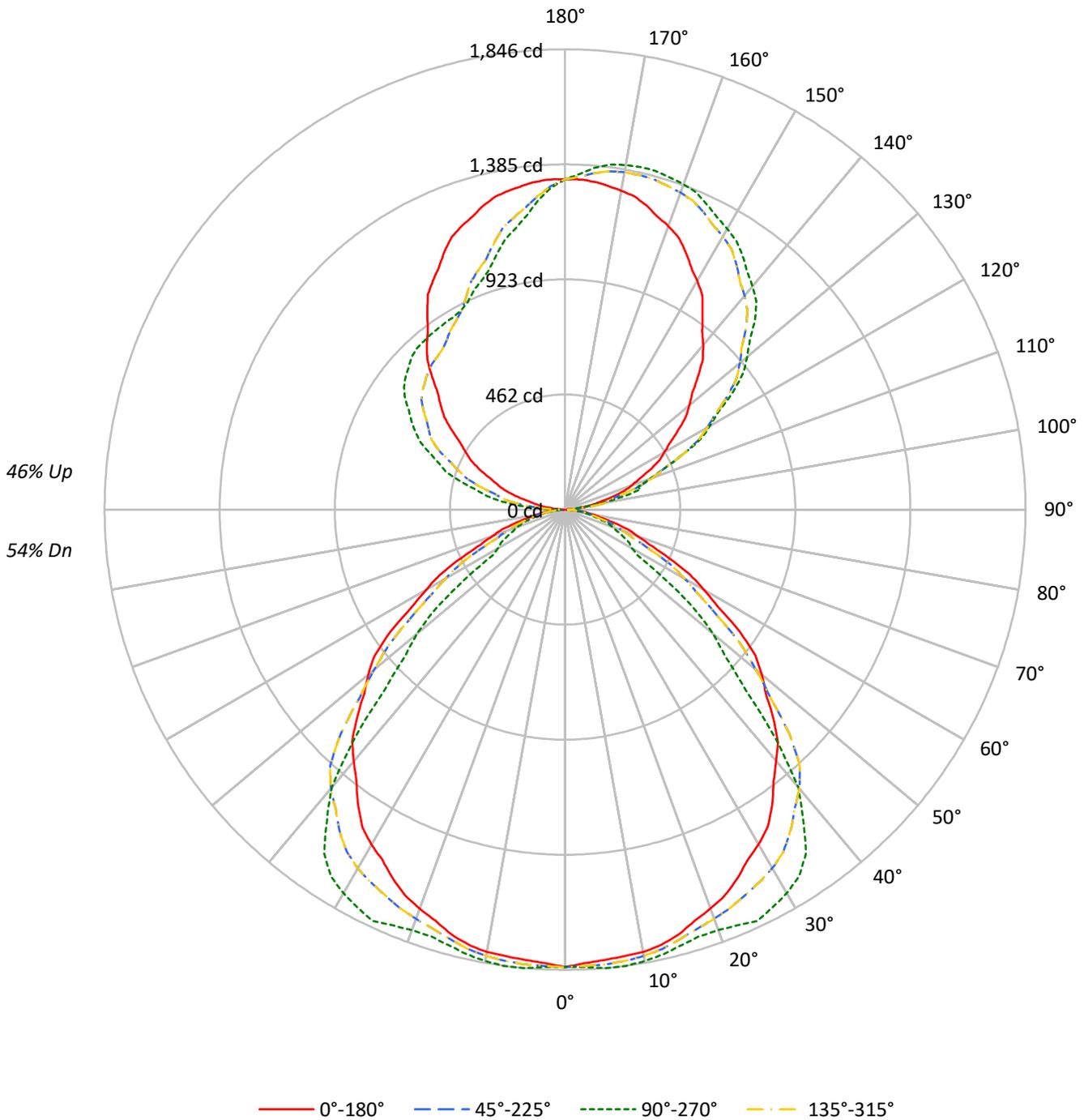
Lumens per Lamp: N/A  
Luminaire Lumens: 8492.8 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428099

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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   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 72 | 72 | 72 | 60 | 60 | 60 | 54 |
| 1   | 99  | 95  | 92  | 88  | 92  | 89  | 85  | 83  | 76 | 74 | 72 | 65 | 63 | 62 | 54 | 53 | 52 | 47 |
| 2   | 91  | 84  | 78  | 73  | 84  | 78  | 73  | 69  | 67 | 64 | 60 | 57 | 55 | 52 | 48 | 46 | 45 | 40 |
| 3   | 83  | 74  | 67  | 61  | 77  | 69  | 63  | 58  | 60 | 55 | 51 | 51 | 48 | 45 | 43 | 41 | 39 | 35 |
| 4   | 76  | 66  | 58  | 52  | 71  | 62  | 55  | 49  | 53 | 48 | 44 | 46 | 42 | 39 | 39 | 36 | 34 | 30 |
| 5   | 70  | 59  | 51  | 45  | 65  | 55  | 48  | 43  | 48 | 42 | 38 | 41 | 37 | 34 | 35 | 32 | 29 | 26 |
| 6   | 65  | 53  | 45  | 39  | 60  | 50  | 42  | 37  | 43 | 38 | 33 | 37 | 33 | 30 | 32 | 29 | 26 | 23 |
| 7   | 60  | 48  | 40  | 35  | 56  | 45  | 38  | 33  | 39 | 34 | 30 | 34 | 30 | 26 | 29 | 26 | 23 | 21 |
| 8   | 56  | 44  | 36  | 31  | 52  | 41  | 34  | 29  | 36 | 30 | 26 | 31 | 27 | 24 | 27 | 23 | 21 | 19 |
| 9   | 52  | 40  | 32  | 27  | 48  | 37  | 31  | 26  | 33 | 27 | 24 | 29 | 24 | 21 | 25 | 21 | 19 | 17 |
| 10  | 48  | 36  | 29  | 25  | 45  | 34  | 28  | 23  | 30 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 | 15 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 29624 | 29624 | 29624 | 29624 |
| 5°  | 29392 | 29927 | 29392 | 29927 |
| 10° | 29541 | 30145 | 29541 | 30145 |
| 15° | 29470 | 30216 | 29470 | 30216 |
| 20° | 29259 | 30826 | 29259 | 30826 |
| 25° | 29093 | 32446 | 29093 | 32446 |
| 30° | 28929 | 33122 | 28929 | 33122 |
| 35° | 28519 | 33182 | 28519 | 33182 |
| 40° | 27758 | 30660 | 27758 | 30660 |
| 45° | 26927 | 23340 | 26927 | 23340 |
| 50° | 25869 | 19439 | 25869 | 19439 |
| 55° | 24076 | 13976 | 24076 | 13976 |
| 60° | 20731 | 10020 | 20731 | 10020 |
| 65° | 17486 | 9857  | 17486 | 9857  |
| 70° | 14558 | 9432  | 14558 | 9432  |
| 75° | 12339 | 8833  | 12339 | 8833  |
| 80° | 10460 | 7931  | 10460 | 7931  |
| 85° | 8262  | 4316  | 8262  | 4316  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 29455 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 174.7  | 2.1       |
| 10°-20°   | 505.6  | 6.0       |
| 20°-30°   | 792.2  | 9.3       |
| 30°-40°   | 977.2  | 11.5      |
| 40°-50°   | 920.0  | 10.8      |
| 50°-60°   | 651.4  | 7.7       |
| 60°-70°   | 371.2  | 4.4       |
| 70°-80°   | 183.7  | 2.2       |
| 80°-90°   | 50.4   | 0.6       |
| 90°-100°  | 105.4  | 1.2       |
| 100°-110° | 307.3  | 3.6       |
| 110°-120° | 501.5  | 5.9       |
| 120°-130° | 636.4  | 7.5       |
| 130°-140° | 681.0  | 8.0       |
| 140°-150° | 635.9  | 7.5       |
| 150°-160° | 523.2  | 6.2       |
| 160°-170° | 350.9  | 4.1       |
| 170°-180° | 124.6  | 1.5       |
| 0°-30°    | 1472.5 | 17.3      |
| 0°-40°    | 2449.7 | 28.8      |
| 0°-60°    | 4021.1 | 47.3      |
| 0°-90°    | 4626.4 | 54.5      |
| 90°-120°  | 914.2  | 10.8      |
| 90°-150°  | 2867.5 | 33.8      |
| 90°-180°  | 3866.0 | 45.5      |
| 0°-180°   | 8492.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1835 | 1835 | 1835 | 1835 | 1835 |      |
| 5°   | 1814 | 1846 | 1814 | 1846 | 1814 | 173  |
| 15°  | 1763 | 1808 | 1763 | 1808 | 1763 | 497  |
| 25°  | 1633 | 1821 | 1633 | 1821 | 1633 | 752  |
| 35°  | 1447 | 1684 | 1447 | 1684 | 1447 | 902  |
| 45°  | 1179 | 1022 | 1179 | 1022 | 1179 | 908  |
| 55°  | 855  | 496  | 855  | 496  | 855  | 755  |
| 65°  | 458  | 258  | 458  | 258  | 458  | 460  |
| 75°  | 198  | 142  | 198  | 142  | 198  | 214  |
| 85°  | 45   | 23   | 45   | 23   | 45   | 52   |
| 90°  | 4    | 29   | 4    | 58   | 4    | 5    |
| 95°  | 42   | 31   | 42   | 181  | 42   | 50   |
| 105° | 195  | 313  | 195  | 431  | 195  | 208  |
| 115° | 374  | 519  | 374  | 639  | 374  | 369  |
| 125° | 554  | 823  | 554  | 784  | 554  | 495  |
| 135° | 753  | 1077 | 753  | 868  | 753  | 582  |
| 145° | 962  | 1241 | 962  | 887  | 962  | 602  |
| 155° | 1142 | 1348 | 1142 | 920  | 1142 | 525  |
| 165° | 1263 | 1406 | 1263 | 1059 | 1263 | 355  |
| 175° | 1320 | 1376 | 1320 | 1243 | 1320 | 125  |
| 180° | 1324 | 1324 | 1324 | 1324 | 1324 |      |



TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 |
| 2.5°   | 1820.9 | 1832.6 | 1844.3 | 1841.6 | 1834.0 | 1830.9 | 1832.2 | 1833.6 | 1835.0 | 1836.4 | 1835.0 |
| 5°     | 1813.5 | 1828.1 | 1842.8 | 1840.6 | 1832.9 | 1829.9 | 1831.6 | 1834.4 | 1840.4 | 1846.5 | 1840.4 |
| 7.5°   | 1806.5 | 1821.5 | 1836.5 | 1834.6 | 1827.0 | 1824.7 | 1827.6 | 1831.6 | 1839.1 | 1846.5 | 1839.1 |
| 10°    | 1801.9 | 1814.8 | 1827.7 | 1825.8 | 1818.9 | 1817.6 | 1821.9 | 1826.6 | 1832.7 | 1838.7 | 1832.7 |
| 12.5°  | 1787.9 | 1800.1 | 1812.4 | 1810.8 | 1804.6 | 1804.3 | 1810.0 | 1815.6 | 1820.9 | 1826.3 | 1820.9 |
| 15°    | 1763.1 | 1774.3 | 1785.5 | 1785.7 | 1782.2 | 1784.4 | 1792.2 | 1799.1 | 1803.4 | 1807.7 | 1803.4 |
| 17.5°  | 1729.3 | 1742.9 | 1756.6 | 1759.7 | 1759.4 | 1764.7 | 1775.7 | 1785.1 | 1789.6 | 1794.1 | 1789.6 |
| 20°    | 1702.9 | 1719.3 | 1735.7 | 1741.1 | 1742.8 | 1750.6 | 1764.4 | 1776.9 | 1785.5 | 1794.1 | 1785.5 |
| 22.5°  | 1675.0 | 1694.1 | 1713.3 | 1720.4 | 1723.5 | 1735.4 | 1756.1 | 1775.3 | 1790.1 | 1805.0 | 1790.1 |
| 25°    | 1633.1 | 1652.1 | 1671.0 | 1684.8 | 1696.9 | 1718.0 | 1748.2 | 1776.4 | 1798.8 | 1821.3 | 1798.8 |
| 27.5°  | 1584.2 | 1603.0 | 1621.8 | 1645.5 | 1670.9 | 1700.5 | 1734.5 | 1764.4 | 1782.2 | 1799.9 | 1782.2 |
| 30°    | 1551.7 | 1569.8 | 1587.9 | 1615.0 | 1645.2 | 1677.9 | 1713.3 | 1743.9 | 1760.3 | 1776.6 | 1760.3 |
| 32.5°  | 1511.3 | 1530.1 | 1548.9 | 1577.8 | 1610.0 | 1645.2 | 1683.3 | 1715.6 | 1730.6 | 1745.6 | 1730.6 |
| 35°    | 1446.9 | 1465.0 | 1483.1 | 1516.7 | 1555.5 | 1594.8 | 1634.4 | 1666.3 | 1674.9 | 1683.5 | 1674.9 |
| 37.5°  | 1372.8 | 1393.3 | 1413.9 | 1451.6 | 1495.0 | 1527.9 | 1550.1 | 1566.9 | 1567.4 | 1567.9 | 1567.4 |
| 40°    | 1317.0 | 1343.7 | 1370.4 | 1408.1 | 1449.5 | 1472.3 | 1476.7 | 1477.1 | 1465.9 | 1454.7 | 1465.9 |
| 42.5°  | 1262.7 | 1297.0 | 1331.3 | 1361.6 | 1390.5 | 1396.5 | 1379.4 | 1354.2 | 1304.3 | 1254.5 | 1304.3 |
| 45°    | 1179.3 | 1219.8 | 1260.3 | 1278.8 | 1290.0 | 1252.1 | 1165.0 | 1091.1 | 1056.6 | 1022.2 | 1056.6 |
| 47.5°  | 1090.4 | 1130.4 | 1170.4 | 1165.3 | 1145.1 | 1087.7 | 993.1  | 916.1  | 892.3  | 868.5  | 892.3  |
| 50°    | 1029.9 | 1067.8 | 1105.8 | 1078.4 | 1029.3 | 964.6  | 884.4  | 818.7  | 796.3  | 773.9  | 796.3  |
| 52.5°  | 961.6  | 995.4  | 1029.2 | 987.9  | 921.5  | 853.4  | 783.6  | 722.7  | 688.5  | 654.4  | 688.5  |
| 55°    | 855.3  | 878.6  | 901.9  | 856.6  | 788.5  | 713.5  | 631.7  | 562.0  | 529.3  | 496.5  | 529.3  |
| 57.5°  | 727.3  | 743.7  | 760.1  | 724.5  | 671.6  | 597.0  | 500.8  | 419.5  | 382.7  | 346.0  | 382.7  |
| 60°    | 642.0  | 654.9  | 667.9  | 635.5  | 588.1  | 517.0  | 422.2  | 346.5  | 328.4  | 310.3  | 328.4  |
| 62.5°  | 564.4  | 576.0  | 587.5  | 553.8  | 505.0  | 441.5  | 363.2  | 302.9  | 296.5  | 290.2  | 296.5  |
| 65°    | 457.7  | 468.9  | 480.1  | 444.8  | 393.9  | 344.4  | 296.1  | 259.7  | 258.8  | 258.0  | 258.8  |
| 67.5°  | 364.3  | 376.5  | 388.7  | 355.5  | 307.0  | 270.4  | 245.5  | 226.7  | 225.6  | 224.6  | 225.6  |
| 70°    | 308.4  | 321.3  | 334.3  | 303.2  | 257.5  | 227.8  | 214.0  | 203.2  | 201.5  | 199.8  | 201.5  |
| 72.5°  | 261.8  | 274.1  | 286.3  | 259.3  | 219.1  | 194.5  | 185.6  | 178.6  | 177.5  | 176.5  | 177.5  |
| 75°    | 197.8  | 207.3  | 216.8  | 197.2  | 167.9  | 151.1  | 146.8  | 143.3  | 142.5  | 141.6  | 142.5  |
| 77.5°  | 143.5  | 149.6  | 155.6  | 142.8  | 123.6  | 112.9  | 110.7  | 108.8  | 107.9  | 107.1  | 107.9  |
| 80°    | 112.5  | 115.1  | 117.7  | 108.6  | 95.7   | 88.8   | 87.9   | 87.1   | 86.2   | 85.3   | 86.2   |
| 82.5°  | 84.6   | 83.7   | 82.8   | 77.6   | 70.9   | 67.1   | 66.2   | 65.2   | 63.6   | 62.1   | 63.6   |
| 85°    | 44.6   | 42.9   | 41.2   | 39.4   | 37.7   | 35.1   | 31.7   | 28.4   | 25.9   | 23.3   | 25.9   |
| 87.5°  | 14.8   | 15.8   | 17.2   | 15.7   | 13.0   | 11.2   | 10.5   | 10.3   | 10.5   | 10.5   | 10.5   |
| 90°    | 4.0    | 9.4    | 16.1   | 21.4   | 25.4   | 26.8   | 26.8   | 28.1   | 29.4   | 29.4   | 29.4   |
| 92.5°  | 14.7   | 23.3   | 23.5   | 23.5   | 28.6   | 31.0   | 33.2   | 33.4   | 34.8   | 34.8   | 34.8   |
| 95°    | 41.5   | 45.5   | 68.2   | 66.9   | 45.5   | 36.1   | 30.8   | 30.8   | 30.8   | 30.8   | 30.8   |
| 97.5°  | 79.2   | 85.1   | 88.8   | 119.0  | 125.7  | 121.4  | 99.0   | 83.2   | 74.4   | 70.4   | 74.4   |
| 100°   | 112.4  | 115.0  | 123.1  | 124.4  | 157.8  | 189.9  | 173.9  | 153.8  | 147.1  | 143.1  | 147.1  |
| 102.5° | 145.5  | 147.1  | 159.4  | 165.1  | 172.8  | 191.0  | 246.6  | 240.5  | 235.9  | 235.1  | 235.9  |
| 105°   | 195.3  | 196.6  | 219.4  | 230.1  | 235.4  | 235.4  | 234.1  | 260.8  | 303.6  | 313.0  | 303.6  |
| 107.5° | 248.5  | 254.7  | 281.4  | 310.0  | 316.2  | 317.8  | 310.8  | 306.8  | 305.2  | 306.3  | 305.2  |
| 110°   | 284.9  | 294.3  | 326.4  | 362.5  | 371.8  | 374.5  | 371.8  | 367.8  | 365.1  | 365.1  | 365.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 30°    | 40°    | 50°    | 60°    | 70°    | 80°    | 90°    | 100°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 320.2  | 333.9  | 370.2  | 411.7  | 427.5  | 435.5  | 429.6  | 426.7  | 424.0  | 426.1  | 424.0  |
| 115°   | 374.5  | 394.6  | 442.7  | 485.5  | 517.6  | 521.6  | 520.3  | 520.3  | 519.0  | 519.0  | 519.0  |
| 117.5° | 424.8  | 456.9  | 510.9  | 560.7  | 597.9  | 608.6  | 613.9  | 612.3  | 610.7  | 613.4  | 610.7  |
| 120°   | 460.1  | 497.6  | 559.1  | 615.3  | 651.4  | 667.4  | 672.8  | 670.1  | 672.8  | 670.1  | 672.8  |
| 122.5° | 497.6  | 543.6  | 604.0  | 662.4  | 704.9  | 723.1  | 729.5  | 730.0  | 730.6  | 729.0  | 730.6  |
| 125°   | 553.7  | 609.9  | 680.8  | 741.0  | 785.1  | 806.5  | 811.9  | 813.2  | 815.9  | 822.6  | 815.9  |
| 127.5° | 610.5  | 674.1  | 752.0  | 810.0  | 855.2  | 881.2  | 889.5  | 892.4  | 898.0  | 901.0  | 898.0  |
| 130°   | 650.0  | 722.3  | 801.2  | 856.0  | 900.2  | 928.3  | 943.0  | 947.0  | 953.7  | 952.3  | 953.7  |
| 132.5° | 691.8  | 767.2  | 847.2  | 904.2  | 945.1  | 975.3  | 987.9  | 999.4  | 1001.8 | 1003.7 | 1001.8 |
| 135°   | 753.0  | 834.6  | 914.9  | 971.1  | 1009.8 | 1039.3 | 1055.3 | 1066.0 | 1072.7 | 1076.7 | 1072.7 |
| 137.5° | 817.5  | 903.6  | 980.7  | 1030.7 | 1069.8 | 1095.2 | 1113.4 | 1124.6 | 1131.6 | 1134.8 | 1131.6 |
| 140°   | 861.4  | 944.3  | 1019.2 | 1071.4 | 1106.1 | 1131.6 | 1147.6 | 1161.0 | 1169.0 | 1169.0 | 1169.0 |
| 142.5° | 903.1  | 985.0  | 1057.7 | 1109.9 | 1140.4 | 1163.7 | 1180.8 | 1190.9 | 1200.0 | 1200.0 | 1200.0 |
| 145°   | 961.7  | 1043.3 | 1110.2 | 1162.3 | 1187.7 | 1209.1 | 1227.9 | 1235.9 | 1241.2 | 1241.2 | 1241.2 |
| 147.5° | 1023.0 | 1095.2 | 1156.2 | 1206.2 | 1227.6 | 1252.7 | 1267.5 | 1273.9 | 1280.6 | 1277.6 | 1280.6 |
| 150°   | 1059.3 | 1126.2 | 1185.1 | 1231.9 | 1253.3 | 1277.4 | 1292.1 | 1297.4 | 1304.1 | 1300.1 | 1304.1 |
| 152.5° | 1094.6 | 1158.3 | 1211.8 | 1255.4 | 1273.6 | 1297.7 | 1314.5 | 1319.9 | 1324.4 | 1321.5 | 1324.4 |
| 155°   | 1142.3 | 1198.4 | 1247.9 | 1288.1 | 1304.1 | 1326.8 | 1342.9 | 1349.6 | 1354.9 | 1348.2 | 1354.9 |
| 157.5° | 1184.8 | 1233.2 | 1276.3 | 1313.2 | 1330.3 | 1349.9 | 1364.8 | 1373.1 | 1378.5 | 1375.5 | 1378.5 |
| 160°   | 1210.5 | 1254.6 | 1293.4 | 1328.2 | 1344.2 | 1361.6 | 1377.7 | 1387.0 | 1392.4 | 1388.4 | 1392.4 |
| 162.5° | 1231.9 | 1271.7 | 1308.4 | 1340.0 | 1353.9 | 1369.1 | 1388.4 | 1396.7 | 1402.0 | 1396.9 | 1402.0 |
| 165°   | 1262.6 | 1294.7 | 1326.8 | 1353.6 | 1365.6 | 1377.7 | 1397.7 | 1407.1 | 1411.1 | 1405.8 | 1411.1 |
| 167.5° | 1285.9 | 1310.5 | 1336.5 | 1359.5 | 1368.3 | 1380.1 | 1400.1 | 1407.9 | 1413.0 | 1406.3 | 1413.0 |
| 170°   | 1298.8 | 1320.2 | 1342.9 | 1361.6 | 1368.3 | 1379.0 | 1399.1 | 1405.8 | 1409.8 | 1403.1 | 1409.8 |
| 172.5° | 1309.5 | 1325.5 | 1344.0 | 1360.6 | 1364.0 | 1372.6 | 1391.6 | 1398.3 | 1401.2 | 1395.6 | 1401.2 |
| 175°   | 1320.2 | 1329.5 | 1342.9 | 1353.6 | 1352.3 | 1357.6 | 1373.7 | 1379.0 | 1384.4 | 1376.3 | 1384.4 |
| 177.5° | 1325.2 | 1329.5 | 1333.8 | 1340.2 | 1335.9 | 1335.9 | 1347.7 | 1350.9 | 1352.0 | 1347.7 | 1352.0 |
| 180°   | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |



TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 |
| 2.5°   | 1833.6 | 1832.2 | 1830.9 | 1834.0 | 1841.6 | 1844.3 | 1832.6 | 1820.9 | 1832.6 | 1844.3 | 1841.6 |
| 5°     | 1834.4 | 1831.6 | 1829.9 | 1832.9 | 1840.6 | 1842.8 | 1828.1 | 1813.5 | 1828.1 | 1842.8 | 1840.6 |
| 7.5°   | 1831.6 | 1827.6 | 1824.7 | 1827.0 | 1834.6 | 1836.5 | 1821.5 | 1806.5 | 1821.5 | 1836.5 | 1834.6 |
| 10°    | 1826.6 | 1821.9 | 1817.6 | 1818.9 | 1825.8 | 1827.7 | 1814.8 | 1801.9 | 1814.8 | 1827.7 | 1825.8 |
| 12.5°  | 1815.6 | 1810.0 | 1804.3 | 1804.6 | 1810.8 | 1812.4 | 1800.1 | 1787.9 | 1800.1 | 1812.4 | 1810.8 |
| 15°    | 1799.1 | 1792.2 | 1784.4 | 1782.2 | 1785.7 | 1785.5 | 1774.3 | 1763.1 | 1774.3 | 1785.5 | 1785.7 |
| 17.5°  | 1785.1 | 1775.7 | 1764.7 | 1759.4 | 1759.7 | 1756.6 | 1742.9 | 1729.3 | 1742.9 | 1756.6 | 1759.7 |
| 20°    | 1776.9 | 1764.4 | 1750.6 | 1742.8 | 1741.1 | 1735.7 | 1719.3 | 1702.9 | 1719.3 | 1735.7 | 1741.1 |
| 22.5°  | 1775.3 | 1756.1 | 1735.4 | 1723.5 | 1720.4 | 1713.3 | 1694.1 | 1675.0 | 1694.1 | 1713.3 | 1720.4 |
| 25°    | 1776.4 | 1748.2 | 1718.0 | 1696.9 | 1684.8 | 1671.0 | 1652.1 | 1633.1 | 1652.1 | 1671.0 | 1684.8 |
| 27.5°  | 1764.4 | 1734.5 | 1700.5 | 1670.9 | 1645.5 | 1621.8 | 1603.0 | 1584.2 | 1603.0 | 1621.8 | 1645.5 |
| 30°    | 1743.9 | 1713.3 | 1677.9 | 1645.2 | 1615.0 | 1587.9 | 1569.8 | 1551.7 | 1569.8 | 1587.9 | 1615.0 |
| 32.5°  | 1715.6 | 1683.3 | 1645.2 | 1610.0 | 1577.8 | 1548.9 | 1530.1 | 1511.3 | 1530.1 | 1548.9 | 1577.8 |
| 35°    | 1666.3 | 1634.4 | 1594.8 | 1555.5 | 1516.7 | 1483.1 | 1465.0 | 1446.9 | 1465.0 | 1483.1 | 1516.7 |
| 37.5°  | 1566.9 | 1550.1 | 1527.9 | 1495.0 | 1451.6 | 1413.9 | 1393.3 | 1372.8 | 1393.3 | 1413.9 | 1451.6 |
| 40°    | 1477.1 | 1476.7 | 1472.3 | 1449.5 | 1408.1 | 1370.4 | 1343.7 | 1317.0 | 1343.7 | 1370.4 | 1408.1 |
| 42.5°  | 1354.2 | 1379.4 | 1396.5 | 1390.5 | 1361.6 | 1331.3 | 1297.0 | 1262.7 | 1297.0 | 1331.3 | 1361.6 |
| 45°    | 1091.1 | 1165.0 | 1252.1 | 1290.0 | 1278.8 | 1260.3 | 1219.8 | 1179.3 | 1219.8 | 1260.3 | 1278.8 |
| 47.5°  | 916.1  | 993.1  | 1087.7 | 1145.1 | 1165.3 | 1170.4 | 1130.4 | 1090.4 | 1130.4 | 1170.4 | 1165.3 |
| 50°    | 818.7  | 884.4  | 964.6  | 1029.3 | 1078.4 | 1105.8 | 1067.8 | 1029.9 | 1067.8 | 1105.8 | 1078.4 |
| 52.5°  | 722.7  | 783.6  | 853.4  | 921.5  | 987.9  | 1029.2 | 995.4  | 961.6  | 995.4  | 1029.2 | 987.9  |
| 55°    | 562.0  | 631.7  | 713.5  | 788.5  | 856.6  | 901.9  | 878.6  | 855.3  | 878.6  | 901.9  | 856.6  |
| 57.5°  | 419.5  | 500.8  | 597.0  | 671.6  | 724.5  | 760.1  | 743.7  | 727.3  | 743.7  | 760.1  | 724.5  |
| 60°    | 346.5  | 422.2  | 517.0  | 588.1  | 635.5  | 667.9  | 654.9  | 642.0  | 654.9  | 667.9  | 635.5  |
| 62.5°  | 302.9  | 363.2  | 441.5  | 505.0  | 553.8  | 587.5  | 576.0  | 564.4  | 576.0  | 587.5  | 553.8  |
| 65°    | 259.7  | 296.1  | 344.4  | 393.9  | 444.8  | 480.1  | 468.9  | 457.7  | 468.9  | 480.1  | 444.8  |
| 67.5°  | 226.7  | 245.5  | 270.4  | 307.0  | 355.5  | 388.7  | 376.5  | 364.3  | 376.5  | 388.7  | 355.5  |
| 70°    | 203.2  | 214.0  | 227.8  | 257.5  | 303.2  | 334.3  | 321.3  | 308.4  | 321.3  | 334.3  | 303.2  |
| 72.5°  | 178.6  | 185.6  | 194.5  | 219.1  | 259.3  | 286.3  | 274.1  | 261.8  | 274.1  | 286.3  | 259.3  |
| 75°    | 143.3  | 146.8  | 151.1  | 167.9  | 197.2  | 216.8  | 207.3  | 197.8  | 207.3  | 216.8  | 197.2  |
| 77.5°  | 108.8  | 110.7  | 112.9  | 123.6  | 142.8  | 155.6  | 149.6  | 143.5  | 149.6  | 155.6  | 142.8  |
| 80°    | 87.1   | 87.9   | 88.8   | 95.7   | 108.6  | 117.7  | 115.1  | 112.5  | 115.1  | 117.7  | 108.6  |
| 82.5°  | 65.2   | 66.2   | 67.1   | 70.9   | 77.6   | 82.8   | 83.7   | 84.6   | 83.7   | 82.8   | 77.6   |
| 85°    | 28.4   | 31.7   | 35.1   | 37.7   | 39.4   | 41.2   | 42.9   | 44.6   | 42.9   | 41.2   | 39.4   |
| 87.5°  | 10.3   | 10.5   | 11.2   | 13.0   | 15.7   | 17.2   | 15.8   | 14.8   | 15.8   | 16.9   | 16.2   |
| 90°    | 28.1   | 26.8   | 26.8   | 25.4   | 21.4   | 16.1   | 9.4    | 4.0    | 9.4    | 14.7   | 24.1   |
| 92.5°  | 33.4   | 33.2   | 31.0   | 28.6   | 23.5   | 23.5   | 23.3   | 14.7   | 25.4   | 36.1   | 51.9   |
| 95°    | 30.8   | 30.8   | 36.1   | 45.5   | 66.9   | 68.2   | 45.5   | 41.5   | 58.9   | 82.9   | 104.3  |
| 97.5°  | 83.2   | 99.0   | 121.4  | 125.7  | 119.0  | 88.8   | 85.1   | 79.2   | 107.8  | 131.6  | 166.1  |
| 100°   | 153.8  | 173.9  | 189.9  | 157.8  | 124.4  | 123.1  | 115.0  | 112.4  | 143.1  | 165.9  | 199.3  |
| 102.5° | 240.5  | 246.6  | 191.0  | 172.8  | 165.1  | 159.4  | 147.1  | 145.5  | 176.3  | 207.6  | 235.7  |
| 105°   | 260.8  | 234.1  | 235.4  | 235.4  | 230.1  | 219.4  | 196.6  | 195.3  | 230.1  | 266.2  | 300.9  |
| 107.5° | 306.8  | 310.8  | 317.8  | 316.2  | 310.0  | 281.4  | 254.7  | 248.5  | 279.8  | 323.2  | 361.4  |
| 110°   | 367.8  | 371.8  | 374.5  | 371.8  | 362.5  | 326.4  | 294.3  | 284.9  | 313.0  | 358.5  | 399.9  |



TEST NUMBER: P1428099

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**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 426.7  | 429.6  | 435.5  | 427.5  | 411.7  | 370.2  | 333.9  | 320.2  | 348.3  | 394.8  | 437.4  |
| 115°   | 520.3  | 520.3  | 521.6  | 517.6  | 485.5  | 442.7  | 394.6  | 374.5  | 398.6  | 441.4  | 488.2  |
| 117.5° | 612.3  | 613.9  | 608.6  | 597.9  | 560.7  | 510.9  | 456.9  | 424.8  | 443.8  | 489.0  | 537.2  |
| 120°   | 670.1  | 672.8  | 667.4  | 651.4  | 615.3  | 559.1  | 497.6  | 460.1  | 474.8  | 519.0  | 567.1  |
| 122.5° | 730.0  | 729.5  | 723.1  | 704.9  | 662.4  | 604.0  | 543.6  | 497.6  | 503.7  | 544.6  | 591.7  |
| 125°   | 813.2  | 811.9  | 806.5  | 785.1  | 741.0  | 680.8  | 609.9  | 553.7  | 545.7  | 580.5  | 628.6  |
| 127.5° | 892.4  | 889.5  | 881.2  | 855.2  | 810.0  | 752.0  | 674.1  | 610.5  | 592.5  | 614.5  | 658.6  |
| 130°   | 947.0  | 943.0  | 928.3  | 900.2  | 856.0  | 801.2  | 722.3  | 650.0  | 624.6  | 638.0  | 676.8  |
| 132.5° | 999.4  | 987.9  | 975.3  | 945.1  | 904.2  | 847.2  | 767.2  | 691.8  | 656.7  | 662.6  | 692.8  |
| 135°   | 1066.0 | 1055.3 | 1039.3 | 1009.8 | 971.1  | 914.9  | 834.6  | 753.0  | 704.9  | 699.5  | 716.9  |
| 137.5° | 1124.6 | 1113.4 | 1095.2 | 1069.8 | 1030.7 | 980.7  | 903.6  | 817.5  | 756.8  | 738.9  | 745.5  |
| 140°   | 1161.0 | 1147.6 | 1131.6 | 1106.1 | 1071.4 | 1019.2 | 944.3  | 861.4  | 793.2  | 767.8  | 763.7  |
| 142.5° | 1190.9 | 1180.8 | 1163.7 | 1140.4 | 1109.9 | 1057.7 | 985.0  | 903.1  | 830.6  | 797.7  | 788.3  |
| 145°   | 1235.9 | 1227.9 | 1209.1 | 1187.7 | 1162.3 | 1110.2 | 1043.3 | 961.7  | 889.5  | 846.7  | 826.6  |
| 147.5° | 1273.9 | 1267.5 | 1252.7 | 1227.6 | 1206.2 | 1156.2 | 1095.2 | 1023.0 | 948.9  | 895.9  | 869.9  |
| 150°   | 1297.4 | 1292.1 | 1277.4 | 1253.3 | 1231.9 | 1185.1 | 1126.2 | 1059.3 | 988.4  | 932.3  | 898.8  |
| 152.5° | 1319.9 | 1314.5 | 1297.7 | 1273.6 | 1255.4 | 1211.8 | 1158.3 | 1094.6 | 1022.7 | 966.5  | 932.0  |
| 155°   | 1349.6 | 1342.9 | 1326.8 | 1304.1 | 1288.1 | 1247.9 | 1198.4 | 1142.3 | 1080.7 | 1021.9 | 983.1  |
| 157.5° | 1373.1 | 1364.8 | 1349.9 | 1330.3 | 1313.2 | 1276.3 | 1233.2 | 1184.8 | 1131.0 | 1074.9 | 1035.3 |
| 160°   | 1387.0 | 1377.7 | 1361.6 | 1344.2 | 1328.2 | 1293.4 | 1254.6 | 1210.5 | 1161.0 | 1110.2 | 1067.4 |
| 162.5° | 1396.7 | 1388.4 | 1369.1 | 1353.9 | 1340.0 | 1308.4 | 1271.7 | 1231.9 | 1187.7 | 1143.3 | 1103.7 |
| 165°   | 1407.1 | 1397.7 | 1377.7 | 1365.6 | 1353.6 | 1326.8 | 1294.7 | 1262.6 | 1225.2 | 1189.1 | 1157.0 |
| 167.5° | 1407.9 | 1400.1 | 1380.1 | 1368.3 | 1359.5 | 1336.5 | 1310.5 | 1285.9 | 1256.8 | 1228.4 | 1201.7 |
| 170°   | 1405.8 | 1399.1 | 1379.0 | 1368.3 | 1361.6 | 1342.9 | 1320.2 | 1298.8 | 1276.0 | 1251.9 | 1230.5 |
| 172.5° | 1398.3 | 1391.6 | 1372.6 | 1364.0 | 1360.6 | 1344.0 | 1325.5 | 1309.5 | 1289.9 | 1272.3 | 1255.2 |
| 175°   | 1379.0 | 1373.7 | 1357.6 | 1352.3 | 1353.6 | 1342.9 | 1329.5 | 1320.2 | 1308.1 | 1297.4 | 1288.1 |
| 177.5° | 1350.9 | 1347.7 | 1335.9 | 1335.9 | 1340.2 | 1333.8 | 1329.5 | 1325.2 | 1319.9 | 1316.7 | 1313.5 |
| 180°   | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |



TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 | 1834.8 |
| 2.5°   | 1834.0 | 1830.9 | 1832.2 | 1833.6 | 1835.0 | 1836.4 | 1835.0 | 1833.6 | 1832.2 | 1830.9 | 1834.0 |
| 5°     | 1832.9 | 1829.9 | 1831.6 | 1834.4 | 1840.4 | 1846.5 | 1840.4 | 1834.4 | 1831.6 | 1829.9 | 1832.9 |
| 7.5°   | 1827.0 | 1824.7 | 1827.6 | 1831.6 | 1839.1 | 1846.5 | 1839.1 | 1831.6 | 1827.6 | 1824.7 | 1827.0 |
| 10°    | 1818.9 | 1817.6 | 1821.9 | 1826.6 | 1832.7 | 1838.7 | 1832.7 | 1826.6 | 1821.9 | 1817.6 | 1818.9 |
| 12.5°  | 1804.6 | 1804.3 | 1810.0 | 1815.6 | 1820.9 | 1826.3 | 1820.9 | 1815.6 | 1810.0 | 1804.3 | 1804.6 |
| 15°    | 1782.2 | 1784.4 | 1792.2 | 1799.1 | 1803.4 | 1807.7 | 1803.4 | 1799.1 | 1792.2 | 1784.4 | 1782.2 |
| 17.5°  | 1759.4 | 1764.7 | 1775.7 | 1785.1 | 1789.6 | 1794.1 | 1789.6 | 1785.1 | 1775.7 | 1764.7 | 1759.4 |
| 20°    | 1742.8 | 1750.6 | 1764.4 | 1776.9 | 1785.5 | 1794.1 | 1785.5 | 1776.9 | 1764.4 | 1750.6 | 1742.8 |
| 22.5°  | 1723.5 | 1735.4 | 1756.1 | 1775.3 | 1790.1 | 1805.0 | 1790.1 | 1775.3 | 1756.1 | 1735.4 | 1723.5 |
| 25°    | 1696.9 | 1718.0 | 1748.2 | 1776.4 | 1798.8 | 1821.3 | 1798.8 | 1776.4 | 1748.2 | 1718.0 | 1696.9 |
| 27.5°  | 1670.9 | 1700.5 | 1734.5 | 1764.4 | 1782.2 | 1799.9 | 1782.2 | 1764.4 | 1734.5 | 1700.5 | 1670.9 |
| 30°    | 1645.2 | 1677.9 | 1713.3 | 1743.9 | 1760.3 | 1776.6 | 1760.3 | 1743.9 | 1713.3 | 1677.9 | 1645.2 |
| 32.5°  | 1610.0 | 1645.2 | 1683.3 | 1715.6 | 1730.6 | 1745.6 | 1730.6 | 1715.6 | 1683.3 | 1645.2 | 1610.0 |
| 35°    | 1555.5 | 1594.8 | 1634.4 | 1666.3 | 1674.9 | 1683.5 | 1674.9 | 1666.3 | 1634.4 | 1594.8 | 1555.5 |
| 37.5°  | 1495.0 | 1527.9 | 1550.1 | 1566.9 | 1567.4 | 1567.9 | 1567.4 | 1566.9 | 1550.1 | 1527.9 | 1495.0 |
| 40°    | 1449.5 | 1472.3 | 1476.7 | 1477.1 | 1465.9 | 1454.7 | 1465.9 | 1477.1 | 1476.7 | 1472.3 | 1449.5 |
| 42.5°  | 1390.5 | 1396.5 | 1379.4 | 1354.2 | 1304.3 | 1254.5 | 1304.3 | 1354.2 | 1379.4 | 1396.5 | 1390.5 |
| 45°    | 1290.0 | 1252.1 | 1165.0 | 1091.1 | 1056.6 | 1022.2 | 1056.6 | 1091.1 | 1165.0 | 1252.1 | 1290.0 |
| 47.5°  | 1145.1 | 1087.7 | 993.1  | 916.1  | 892.3  | 868.5  | 892.3  | 916.1  | 993.1  | 1087.7 | 1145.1 |
| 50°    | 1029.3 | 964.6  | 884.4  | 818.7  | 796.3  | 773.9  | 796.3  | 818.7  | 884.4  | 964.6  | 1029.3 |
| 52.5°  | 921.5  | 853.4  | 783.6  | 722.7  | 688.5  | 654.4  | 688.5  | 722.7  | 783.6  | 853.4  | 921.5  |
| 55°    | 788.5  | 713.5  | 631.7  | 562.0  | 529.3  | 496.5  | 529.3  | 562.0  | 631.7  | 713.5  | 788.5  |
| 57.5°  | 671.6  | 597.0  | 500.8  | 419.5  | 382.7  | 346.0  | 382.7  | 419.5  | 500.8  | 597.0  | 671.6  |
| 60°    | 588.1  | 517.0  | 422.2  | 346.5  | 328.4  | 310.3  | 328.4  | 346.5  | 422.2  | 517.0  | 588.1  |
| 62.5°  | 505.0  | 441.5  | 363.2  | 302.9  | 296.5  | 290.2  | 296.5  | 302.9  | 363.2  | 441.5  | 505.0  |
| 65°    | 393.9  | 344.4  | 296.1  | 259.7  | 258.8  | 258.0  | 258.8  | 259.7  | 296.1  | 344.4  | 393.9  |
| 67.5°  | 307.0  | 270.4  | 245.5  | 226.7  | 225.6  | 224.6  | 225.6  | 226.7  | 245.5  | 270.4  | 307.0  |
| 70°    | 257.5  | 227.8  | 214.0  | 203.2  | 201.5  | 199.8  | 201.5  | 203.2  | 214.0  | 227.8  | 257.5  |
| 72.5°  | 219.1  | 194.5  | 185.6  | 178.6  | 177.5  | 176.5  | 177.5  | 178.6  | 185.6  | 194.5  | 219.1  |
| 75°    | 167.9  | 151.1  | 146.8  | 143.3  | 142.5  | 141.6  | 142.5  | 143.3  | 146.8  | 151.1  | 167.9  |
| 77.5°  | 123.6  | 112.9  | 110.7  | 108.8  | 107.9  | 107.1  | 107.9  | 108.8  | 110.7  | 112.9  | 123.6  |
| 80°    | 95.7   | 88.8   | 87.9   | 87.1   | 86.2   | 85.3   | 86.2   | 87.1   | 87.9   | 88.8   | 95.7   |
| 82.5°  | 70.9   | 67.1   | 66.2   | 65.2   | 63.6   | 62.1   | 63.6   | 65.2   | 66.2   | 67.1   | 70.9   |
| 85°    | 37.7   | 35.1   | 31.7   | 28.4   | 25.9   | 23.3   | 25.9   | 28.4   | 31.7   | 35.1   | 37.7   |
| 87.5°  | 14.1   | 13.9   | 15.1   | 15.6   | 16.7   | 16.2   | 16.7   | 15.6   | 15.1   | 13.9   | 14.1   |
| 90°    | 30.8   | 40.1   | 49.5   | 54.8   | 60.2   | 57.5   | 60.2   | 54.8   | 49.5   | 40.1   | 30.8   |
| 92.5°  | 61.8   | 77.6   | 89.1   | 98.7   | 103.0  | 102.5  | 103.0  | 98.7   | 89.1   | 77.6   | 61.8   |
| 95°    | 124.4  | 143.1  | 161.8  | 175.2  | 183.2  | 180.6  | 183.2  | 175.2  | 161.8  | 143.1  | 124.4  |
| 97.5°  | 191.8  | 216.9  | 237.8  | 250.4  | 258.4  | 263.8  | 258.4  | 250.4  | 237.8  | 216.9  | 191.8  |
| 100°   | 236.7  | 260.8  | 284.9  | 299.6  | 313.0  | 318.3  | 313.0  | 299.6  | 284.9  | 260.8  | 236.7  |
| 102.5° | 273.1  | 304.7  | 330.9  | 346.7  | 357.9  | 363.3  | 357.9  | 346.7  | 330.9  | 304.7  | 273.1  |
| 105°   | 333.0  | 366.5  | 394.6  | 414.6  | 426.7  | 430.7  | 426.7  | 414.6  | 394.6  | 366.5  | 333.0  |
| 107.5° | 393.0  | 427.5  | 453.4  | 475.6  | 490.3  | 498.9  | 490.3  | 475.6  | 453.4  | 427.5  | 393.0  |
| 110°   | 440.1  | 468.1  | 496.2  | 516.3  | 531.0  | 536.4  | 531.0  | 516.3  | 496.2  | 468.1  | 440.1  |



TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.6  | 510.9  | 539.0  | 559.1  | 575.9  | 583.4  | 575.9  | 559.1  | 539.0  | 510.9  | 479.6  |
| 115°   | 535.0  | 576.5  | 601.9  | 620.6  | 632.7  | 639.3  | 632.7  | 620.6  | 601.9  | 576.5  | 535.0  |
| 117.5° | 581.0  | 624.4  | 652.2  | 666.6  | 672.3  | 677.1  | 672.3  | 666.6  | 652.2  | 624.4  | 581.0  |
| 120°   | 609.9  | 650.0  | 682.1  | 700.9  | 707.6  | 710.2  | 707.6  | 700.9  | 682.1  | 650.0  | 609.9  |
| 122.5° | 636.7  | 674.7  | 705.7  | 728.7  | 739.7  | 742.3  | 739.7  | 728.7  | 705.7  | 674.7  | 636.7  |
| 125°   | 674.1  | 710.2  | 742.3  | 765.1  | 777.1  | 783.8  | 777.1  | 765.1  | 742.3  | 710.2  | 674.1  |
| 127.5° | 706.8  | 745.8  | 775.2  | 795.8  | 807.6  | 813.0  | 807.6  | 795.8  | 775.2  | 745.8  | 706.8  |
| 130°   | 724.9  | 765.1  | 794.5  | 817.2  | 827.9  | 833.3  | 827.9  | 817.2  | 794.5  | 765.1  | 724.9  |
| 132.5° | 738.9  | 781.1  | 811.6  | 832.2  | 844.0  | 849.3  | 844.0  | 832.2  | 811.6  | 781.1  | 738.9  |
| 135°   | 755.7  | 799.9  | 832.0  | 852.0  | 862.7  | 868.1  | 862.7  | 852.0  | 832.0  | 799.9  | 755.7  |
| 137.5° | 770.4  | 810.6  | 844.0  | 865.1  | 874.8  | 878.2  | 874.8  | 865.1  | 844.0  | 810.6  | 770.4  |
| 140°   | 781.1  | 815.9  | 849.3  | 869.4  | 880.1  | 881.4  | 880.1  | 869.4  | 849.3  | 815.9  | 781.1  |
| 142.5° | 795.0  | 822.3  | 851.5  | 871.5  | 882.2  | 884.7  | 882.2  | 871.5  | 851.5  | 822.3  | 795.0  |
| 145°   | 819.9  | 836.0  | 856.0  | 874.8  | 884.1  | 886.8  | 884.1  | 874.8  | 856.0  | 836.0  | 819.9  |
| 147.5° | 851.2  | 856.3  | 866.7  | 879.0  | 888.1  | 890.0  | 888.1  | 879.0  | 866.7  | 856.3  | 851.2  |
| 150°   | 874.8  | 873.4  | 877.4  | 885.5  | 893.5  | 892.1  | 893.5  | 885.5  | 877.4  | 873.4  | 874.8  |
| 152.5° | 901.5  | 893.7  | 893.5  | 897.2  | 901.0  | 900.7  | 901.0  | 897.2  | 893.5  | 893.7  | 901.5  |
| 155°   | 947.0  | 932.3  | 924.2  | 921.6  | 921.6  | 920.2  | 921.6  | 921.6  | 924.2  | 932.3  | 947.0  |
| 157.5° | 997.0  | 976.4  | 964.4  | 957.9  | 956.1  | 953.1  | 956.1  | 957.9  | 964.4  | 976.4  | 997.0  |
| 160°   | 1031.2 | 1008.5 | 996.5  | 985.8  | 981.8  | 977.7  | 981.8  | 985.8  | 996.5  | 1008.5 | 1031.2 |
| 162.5° | 1063.3 | 1041.7 | 1028.6 | 1018.9 | 1014.9 | 1008.8 | 1014.9 | 1018.9 | 1028.6 | 1041.7 | 1063.3 |
| 165°   | 1115.5 | 1092.8 | 1078.1 | 1070.0 | 1064.7 | 1059.3 | 1064.7 | 1070.0 | 1078.1 | 1092.8 | 1115.5 |
| 167.5° | 1167.7 | 1142.8 | 1133.2 | 1124.1 | 1119.0 | 1109.4 | 1119.0 | 1124.1 | 1133.2 | 1142.8 | 1167.7 |
| 170°   | 1199.8 | 1177.0 | 1171.7 | 1163.7 | 1154.3 | 1143.6 | 1154.3 | 1163.7 | 1171.7 | 1177.0 | 1199.8 |
| 172.5° | 1227.6 | 1212.4 | 1207.0 | 1199.0 | 1196.0 | 1187.5 | 1196.0 | 1199.0 | 1207.0 | 1212.4 | 1227.6 |
| 175°   | 1268.0 | 1256.0 | 1256.0 | 1254.6 | 1250.6 | 1242.6 | 1250.6 | 1254.6 | 1256.0 | 1256.0 | 1268.0 |
| 177.5° | 1301.7 | 1295.3 | 1299.6 | 1299.6 | 1298.5 | 1291.0 | 1298.5 | 1299.6 | 1299.6 | 1295.3 | 1301.7 |
| 180°   | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 | 1324.2 |

TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 0°     | 1834.8 | 1834.8 | 1834.8 | 1834.8 |
| 2.5°   | 1841.6 | 1844.3 | 1832.6 | 1820.9 |
| 5°     | 1840.6 | 1842.8 | 1828.1 | 1813.5 |
| 7.5°   | 1834.6 | 1836.5 | 1821.5 | 1806.5 |
| 10°    | 1825.8 | 1827.7 | 1814.8 | 1801.9 |
| 12.5°  | 1810.8 | 1812.4 | 1800.1 | 1787.9 |
| 15°    | 1785.7 | 1785.5 | 1774.3 | 1763.1 |
| 17.5°  | 1759.7 | 1756.6 | 1742.9 | 1729.3 |
| 20°    | 1741.1 | 1735.7 | 1719.3 | 1702.9 |
| 22.5°  | 1720.4 | 1713.3 | 1694.1 | 1675.0 |
| 25°    | 1684.8 | 1671.0 | 1652.1 | 1633.1 |
| 27.5°  | 1645.5 | 1621.8 | 1603.0 | 1584.2 |
| 30°    | 1615.0 | 1587.9 | 1569.8 | 1551.7 |
| 32.5°  | 1577.8 | 1548.9 | 1530.1 | 1511.3 |
| 35°    | 1516.7 | 1483.1 | 1465.0 | 1446.9 |
| 37.5°  | 1451.6 | 1413.9 | 1393.3 | 1372.8 |
| 40°    | 1408.1 | 1370.4 | 1343.7 | 1317.0 |
| 42.5°  | 1361.6 | 1331.3 | 1297.0 | 1262.7 |
| 45°    | 1278.8 | 1260.3 | 1219.8 | 1179.3 |
| 47.5°  | 1165.3 | 1170.4 | 1130.4 | 1090.4 |
| 50°    | 1078.4 | 1105.8 | 1067.8 | 1029.9 |
| 52.5°  | 987.9  | 1029.2 | 995.4  | 961.6  |
| 55°    | 856.6  | 901.9  | 878.6  | 855.3  |
| 57.5°  | 724.5  | 760.1  | 743.7  | 727.3  |
| 60°    | 635.5  | 667.9  | 654.9  | 642.0  |
| 62.5°  | 553.8  | 587.5  | 576.0  | 564.4  |
| 65°    | 444.8  | 480.1  | 468.9  | 457.7  |
| 67.5°  | 355.5  | 388.7  | 376.5  | 364.3  |
| 70°    | 303.2  | 334.3  | 321.3  | 308.4  |
| 72.5°  | 259.3  | 286.3  | 274.1  | 261.8  |
| 75°    | 197.2  | 216.8  | 207.3  | 197.8  |
| 77.5°  | 142.8  | 155.6  | 149.6  | 143.5  |
| 80°    | 108.6  | 117.7  | 115.1  | 112.5  |
| 82.5°  | 77.6   | 82.8   | 83.7   | 84.6   |
| 85°    | 39.4   | 41.2   | 42.9   | 44.6   |
| 87.5°  | 16.2   | 16.9   | 15.8   | 14.8   |
| 90°    | 24.1   | 14.7   | 9.4    | 4.0    |
| 92.5°  | 51.9   | 36.1   | 25.4   | 14.7   |
| 95°    | 104.3  | 82.9   | 58.9   | 41.5   |
| 97.5°  | 166.1  | 131.6  | 107.8  | 79.2   |
| 100°   | 199.3  | 165.9  | 143.1  | 112.4  |
| 102.5° | 235.7  | 207.6  | 176.3  | 145.5  |
| 105°   | 300.9  | 266.2  | 230.1  | 195.3  |
| 107.5° | 361.4  | 323.2  | 279.8  | 248.5  |
| 110°   | 399.9  | 358.5  | 313.0  | 284.9  |

TEST NUMBER: P1428099

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|
| 112.5° | 437.4  | 394.8  | 348.3  | 320.2  |
| 115°   | 488.2  | 441.4  | 398.6  | 374.5  |
| 117.5° | 537.2  | 489.0  | 443.8  | 424.8  |
| 120°   | 567.1  | 519.0  | 474.8  | 460.1  |
| 122.5° | 591.7  | 544.6  | 503.7  | 497.6  |
| 125°   | 628.6  | 580.5  | 545.7  | 553.7  |
| 127.5° | 658.6  | 614.5  | 592.5  | 610.5  |
| 130°   | 676.8  | 638.0  | 624.6  | 650.0  |
| 132.5° | 692.8  | 662.6  | 656.7  | 691.8  |
| 135°   | 716.9  | 699.5  | 704.9  | 753.0  |
| 137.5° | 745.5  | 738.9  | 756.8  | 817.5  |
| 140°   | 763.7  | 767.8  | 793.2  | 861.4  |
| 142.5° | 788.3  | 797.7  | 830.6  | 903.1  |
| 145°   | 826.6  | 846.7  | 889.5  | 961.7  |
| 147.5° | 869.9  | 895.9  | 948.9  | 1023.0 |
| 150°   | 898.8  | 932.3  | 988.4  | 1059.3 |
| 152.5° | 932.0  | 966.5  | 1022.7 | 1094.6 |
| 155°   | 983.1  | 1021.9 | 1080.7 | 1142.3 |
| 157.5° | 1035.3 | 1074.9 | 1131.0 | 1184.8 |
| 160°   | 1067.4 | 1110.2 | 1161.0 | 1210.5 |
| 162.5° | 1103.7 | 1143.3 | 1187.7 | 1231.9 |
| 165°   | 1157.0 | 1189.1 | 1225.2 | 1262.6 |
| 167.5° | 1201.7 | 1228.4 | 1256.8 | 1285.9 |
| 170°   | 1230.5 | 1251.9 | 1276.0 | 1298.8 |
| 172.5° | 1255.2 | 1272.3 | 1289.9 | 1309.5 |
| 175°   | 1288.1 | 1297.4 | 1308.1 | 1320.2 |
| 177.5° | 1313.5 | 1316.7 | 1319.9 | 1325.2 |
| 180°   | 1324.2 | 1324.2 | 1324.2 | 1324.2 |



TEST NUMBER: P1428099  
 CATALOG NUMBER: SQ2W-PP3-K-100U-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 | 19.63            | 20.50 | 20.56 | 21.44 | 22.65 | 15.41          | 16.27 | 16.33 | 17.21 | 18.42 |
|                 | 3H   | 20.70            | 21.47 | 21.63 | 22.42 | 23.65 | 16.72          | 17.49 | 17.65 | 18.44 | 19.67 |
|                 | 4H   | 21.07            | 21.80 | 22.02 | 22.75 | 23.99 | 17.27          | 18.01 | 18.23 | 18.96 | 20.20 |
|                 | 6H   | 21.26            | 21.93 | 22.22 | 22.89 | 24.14 | 17.64          | 18.31 | 18.60 | 19.27 | 20.52 |
|                 | 8H   | 21.32            | 21.96 | 22.29 | 22.94 | 24.19 | 17.77          | 18.41 | 18.74 | 19.38 | 20.63 |
|                 | 12H  | 21.34            | 21.95 | 22.32 | 22.92 | 24.20 | 17.80          | 18.41 | 18.78 | 19.38 | 20.66 |
| 4H              | 2H   | 19.76            | 20.49 | 20.71 | 21.44 | 22.68 | 16.32          | 17.05 | 17.27 | 18.00 | 19.24 |
|                 | 3H   | 21.05            | 21.66 | 22.02 | 22.64 | 23.89 | 17.74          | 18.35 | 18.71 | 19.33 | 20.58 |
|                 | 4H   | 21.56            | 22.11 | 22.53 | 23.09 | 24.37 | 18.36          | 18.91 | 19.34 | 19.89 | 21.17 |
|                 | 6H   | 21.87            | 22.35 | 22.86 | 23.35 | 24.63 | 18.81          | 19.28 | 19.80 | 20.28 | 21.56 |
|                 | 8H   | 21.98            | 22.43 | 22.97 | 23.42 | 24.71 | 18.98          | 19.42 | 19.97 | 20.41 | 21.71 |
|                 | 12H  | 22.03            | 22.43 | 23.04 | 23.44 | 24.74 | 19.03          | 19.43 | 20.04 | 20.44 | 21.74 |
| 8H              | 4H   | 21.58            | 22.02 | 22.57 | 23.01 | 24.31 | 18.67          | 19.12 | 19.66 | 20.11 | 21.40 |
|                 | 6H   | 21.99            | 22.36 | 23.01 | 23.39 | 24.68 | 19.23          | 19.60 | 20.25 | 20.63 | 21.92 |
|                 | 8H   | 22.17            | 22.49 | 23.19 | 23.52 | 24.83 | 19.48          | 19.80 | 20.50 | 20.83 | 22.13 |
|                 | 12H  | 22.27            | 22.55 | 23.29 | 23.57 | 24.92 | 19.58          | 19.87 | 20.60 | 20.88 | 22.24 |
| 12H             | 4H   | 21.54            | 21.94 | 22.55 | 22.95 | 24.24 | 18.68          | 19.08 | 19.69 | 20.09 | 21.39 |
|                 | 6H   | 21.98            | 22.31 | 23.01 | 23.33 | 24.64 | 19.30          | 19.62 | 20.32 | 20.64 | 21.95 |
|                 | 8H   | 22.18            | 22.47 | 23.20 | 23.48 | 24.84 | 19.57          | 19.86 | 20.60 | 20.87 | 22.23 |