

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: NEO-RAY

Report Number: P987709

Luminaire Tested: S122DW-B865DB35-4F0-XX-W2A-A

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P987709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DW-B865DB35-4F0-XX-W2A-A  
Description: Define 2 Direct Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

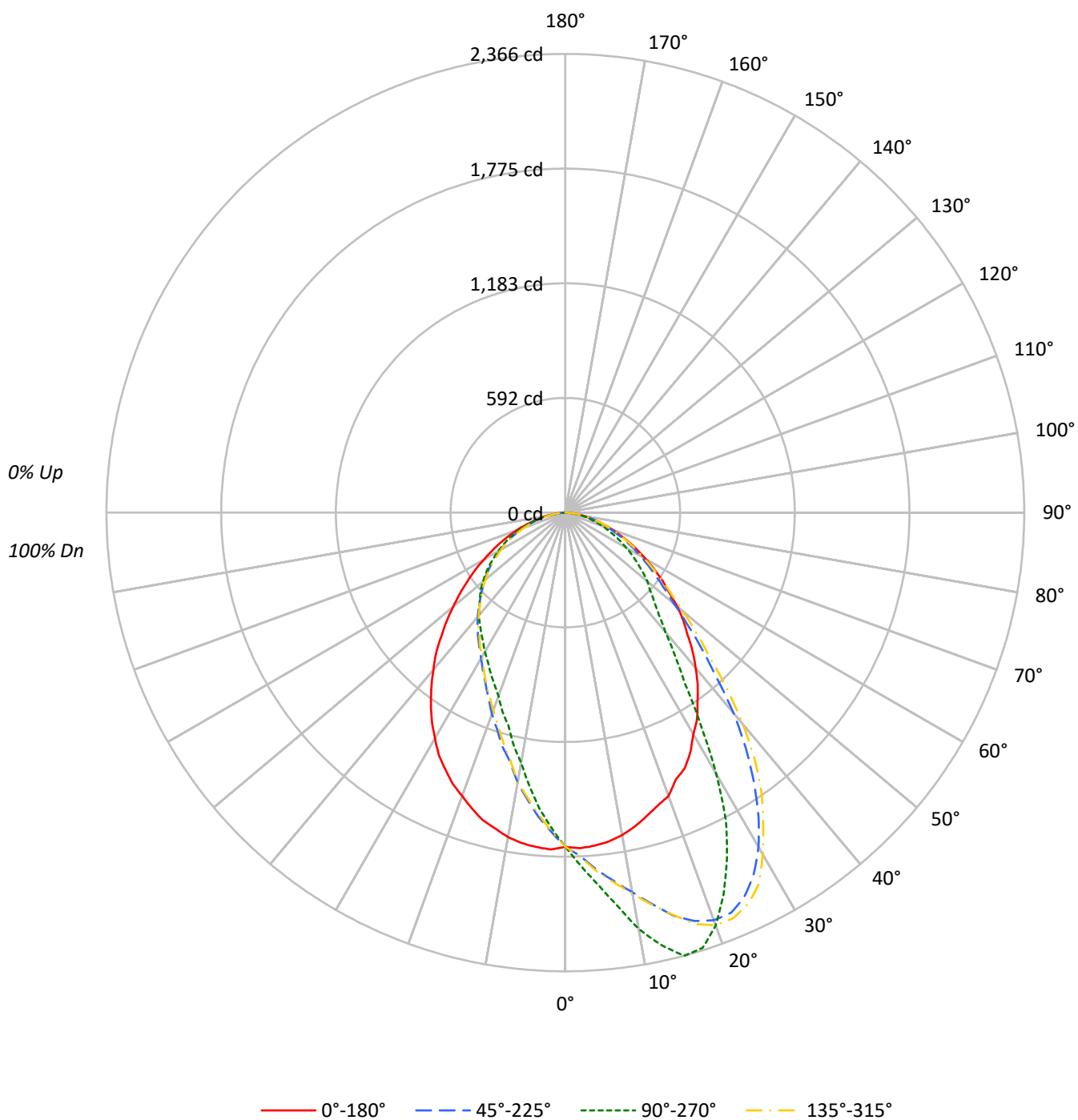
Lumens per Lamp: N/A  
Luminaire Lumens: 3802.0 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.8  
Input Voltage (V):  
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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### Luminous Intensity Polar Plot



TEST NUMBER: P987709

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  |  | 95  | 93  | 91  |  | 92  | 90  | 88  | 86  |
| 2   | 101 | 94  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  |  | 85  | 81  | 78  |  | 82  | 79  | 76  | 74  |
| 3   | 93  | 83  | 76  | 70  | 90  | 82  | 75  | 69  | 79  | 73  | 68  |  | 76  | 71  | 67  |  | 74  | 69  | 66  | 64  |
| 4   | 86  | 75  | 66  | 60  | 83  | 73  | 66  | 60  | 71  | 64  | 59  |  | 69  | 63  | 58  |  | 66  | 62  | 58  | 55  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 52  |  | 62  | 56  | 51  |  | 60  | 55  | 51  | 49  |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 46  | 58  | 51  | 46  |  | 57  | 51  | 46  |  | 55  | 50  | 45  | 43  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  |  | 52  | 46  | 41  |  | 51  | 45  | 41  | 39  |
| 8   | 64  | 51  | 43  | 38  | 63  | 51  | 43  | 38  | 49  | 42  | 37  |  | 48  | 42  | 37  |  | 47  | 41  | 37  | 35  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  |  | 45  | 38  | 34  |  | 44  | 38  | 34  | 32  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  |  | 41  | 35  | 31  |  | 41  | 35  | 31  | 29  |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 27277 | 27277 | 27277 | 27277 |
| 5°  | 27403 | 30581 | 27508 | 24330 |
| 10° | 27145 | 35043 | 27315 | 21056 |
| 15° | 26546 | 38768 | 26915 | 18602 |
| 20° | 26194 | 38176 | 26194 | 16958 |
| 25° | 25425 | 34423 | 25540 | 15916 |
| 30° | 24114 | 28446 | 24573 | 15156 |
| 35° | 22959 | 20733 | 23343 | 14615 |
| 40° | 21622 | 16560 | 21868 | 14314 |
| 45° | 19955 | 14470 | 20282 | 13906 |
| 50° | 18526 | 13601 | 18561 | 13635 |
| 55° | 16887 | 12538 | 16997 | 13269 |
| 60° | 15139 | 11489 | 15348 | 12705 |
| 65° | 13593 | 10469 | 13843 | 12154 |
| 70° | 12075 | 9502  | 12385 | 11339 |
| 75° | 10367 | 8428  | 10776 | 10042 |
| 80° | 8450  | 7247  | 9052  | 8086  |
| 85° | 6248  | 6502  | 6738  | 4813  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 155°

Vertical Angle: 45°

Luminance: 35612 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 164.1  | 4.3       |
| 10°-20°   | 477.7  | 12.6      |
| 20°-30°   | 693.3  | 18.2      |
| 30°-40°   | 730.9  | 19.2      |
| 40°-50°   | 646.8  | 17.0      |
| 50°-60°   | 516.4  | 13.6      |
| 60°-70°   | 350.8  | 9.2       |
| 70°-80°   | 179.5  | 4.7       |
| 80°-90°   | 42.4   | 1.1       |
| 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°    | 1335.2 | 35.1      |
| 0°-40°    | 2066.1 | 54.3      |
| 0°-60°    | 3229.3 | 84.9      |
| 0°-90°    | 3802.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3802.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1723 | 1723 | 1723 | 1723 | 1723 |      |
| 5°  | 1725 | 1925 | 1731 | 1531 | 1725 | 163  |
| 15° | 1620 | 2366 | 1642 | 1135 | 1620 | 458  |
| 25° | 1456 | 1971 | 1462 | 911  | 1456 | 665  |
| 35° | 1188 | 1073 | 1208 | 756  | 1188 | 743  |
| 45° | 891  | 646  | 906  | 621  | 891  | 692  |
| 55° | 612  | 454  | 616  | 481  | 612  | 546  |
| 65° | 363  | 280  | 370  | 324  | 363  | 361  |
| 75° | 170  | 138  | 176  | 164  | 170  | 182  |
| 85° | 34   | 36   | 37   | 26   | 34   | 42   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1732.5 | 1736.5 | 1743.1 | 1744.4 | 1757.7 | 1768.3 | 1780.2 | 1780.2 | 1784.2 | 1782.8 | 1772.3 |
| 5°    | 1724.6 | 1736.5 | 1753.7 | 1768.3 | 1792.1 | 1802.7 | 1818.6 | 1830.5 | 1841.1 | 1849.1 | 1847.8 |
| 7.5°  | 1711.3 | 1732.5 | 1757.7 | 1785.5 | 1817.3 | 1835.8 | 1858.3 | 1879.5 | 1894.1 | 1907.4 | 1916.6 |
| 10°   | 1688.8 | 1724.6 | 1759.0 | 1796.1 | 1837.2 | 1862.3 | 1888.8 | 1916.6 | 1939.1 | 1964.3 | 1988.2 |
| 12.5° | 1658.3 | 1710.0 | 1752.4 | 1801.4 | 1851.7 | 1879.5 | 1921.9 | 1943.1 | 1986.8 | 2050.4 | 2067.6 |
| 15°   | 1619.9 | 1690.1 | 1729.9 | 1792.1 | 1858.3 | 1880.9 | 1939.1 | 1973.6 | 2063.7 | 2103.4 | 2151.1 |
| 17.5° | 1584.2 | 1662.3 | 1715.3 | 1786.8 | 1851.7 | 1895.4 | 1952.4 | 2022.6 | 2098.1 | 2155.0 | 2208.0 |
| 20°   | 1555.0 | 1630.5 | 1694.1 | 1773.6 | 1855.7 | 1911.3 | 1970.9 | 2055.7 | 2137.8 | 2196.1 | 2237.2 |
| 22.5° | 1488.8 | 1585.5 | 1659.7 | 1748.4 | 1847.8 | 1924.6 | 1981.5 | 2074.3 | 2163.0 | 2198.8 | 2234.5 |
| 25°   | 1455.7 | 1539.1 | 1625.2 | 1725.9 | 1842.5 | 1933.8 | 1982.9 | 2086.2 | 2164.3 | 2177.6 | 2185.5 |
| 27.5° | 1394.8 | 1488.8 | 1589.5 | 1704.7 | 1841.1 | 1918.0 | 1980.2 | 2074.3 | 2136.5 | 2127.2 | 2103.4 |
| 30°   | 1319.3 | 1434.5 | 1545.8 | 1670.3 | 1822.6 | 1906.0 | 1964.3 | 2050.4 | 2082.2 | 2034.5 | 1992.1 |
| 32.5° | 1263.6 | 1372.2 | 1495.4 | 1639.8 | 1801.4 | 1880.9 | 1937.8 | 2005.4 | 2012.0 | 1925.9 | 1854.4 |
| 35°   | 1188.1 | 1308.7 | 1447.7 | 1600.1 | 1765.6 | 1837.2 | 1890.1 | 1931.2 | 1899.4 | 1778.9 | 1694.1 |
| 37.5° | 1120.6 | 1239.8 | 1388.1 | 1543.1 | 1716.6 | 1786.8 | 1829.2 | 1835.8 | 1757.7 | 1651.7 | 1527.2 |
| 40°   | 1046.4 | 1169.6 | 1324.6 | 1487.5 | 1662.3 | 1723.2 | 1749.7 | 1729.9 | 1617.3 | 1494.1 | 1349.7 |
| 42.5° | 972.2  | 1094.1 | 1261.0 | 1427.9 | 1593.4 | 1645.1 | 1655.7 | 1601.4 | 1463.6 | 1319.3 | 1152.4 |
| 45°   | 891.4  | 1018.6 | 1185.5 | 1353.7 | 1514.0 | 1543.1 | 1544.4 | 1466.3 | 1303.4 | 1152.4 | 997.4  |
| 47.5° | 825.2  | 943.1  | 1108.7 | 1276.9 | 1412.0 | 1431.8 | 1423.9 | 1333.8 | 1156.3 | 986.8  | 851.7  |
| 50°   | 752.3  | 864.9  | 1029.2 | 1194.7 | 1310.0 | 1315.3 | 1295.4 | 1166.9 | 993.4  | 838.4  | 731.2  |
| 52.5° | 674.2  | 788.1  | 939.1  | 1098.1 | 1201.4 | 1193.4 | 1155.0 | 1017.3 | 854.3  | 725.9  | 643.7  |
| 55°   | 611.9  | 712.6  | 854.3  | 1009.3 | 1082.2 | 1059.6 | 1017.3 | 876.9  | 748.4  | 639.8  | 568.2  |
| 57.5° | 543.1  | 631.8  | 770.9  | 906.0  | 948.4  | 927.2  | 884.8  | 753.7  | 634.5  | 552.3  | 504.7  |
| 60°   | 478.2  | 559.0  | 680.8  | 793.4  | 826.5  | 804.0  | 755.0  | 637.1  | 551.0  | 482.1  | 446.4  |
| 62.5° | 418.6  | 488.8  | 590.8  | 694.1  | 707.3  | 684.8  | 642.4  | 547.0  | 472.9  | 418.6  | 392.1  |
| 65°   | 362.9  | 429.2  | 511.3  | 589.4  | 601.3  | 577.5  | 533.8  | 464.9  | 402.7  | 368.2  | 343.1  |
| 67.5° | 308.6  | 361.6  | 434.5  | 491.4  | 498.0  | 475.5  | 439.8  | 384.1  | 345.7  | 308.6  | 290.1  |
| 70°   | 260.9  | 300.7  | 357.6  | 404.0  | 406.6  | 385.4  | 366.9  | 316.6  | 287.4  | 260.9  | 246.4  |
| 72.5° | 214.6  | 242.4  | 286.1  | 320.5  | 321.9  | 308.6  | 291.4  | 259.6  | 234.4  | 215.9  | 201.3  |
| 75°   | 169.5  | 193.4  | 219.9  | 250.3  | 249.0  | 238.4  | 225.2  | 205.3  | 184.1  | 172.2  | 165.6  |
| 77.5° | 129.8  | 144.4  | 165.6  | 185.4  | 185.4  | 180.1  | 172.2  | 157.6  | 144.4  | 132.5  | 125.8  |
| 80°   | 92.7   | 102.0  | 119.2  | 125.8  | 128.5  | 127.2  | 120.5  | 109.9  | 104.6  | 95.4   | 92.7   |
| 82.5° | 59.6   | 66.2   | 74.2   | 80.8   | 84.8   | 82.1   | 80.8   | 75.5   | 67.6   | 64.9   | 62.3   |
| 85°   | 34.4   | 37.1   | 41.1   | 45.0   | 46.4   | 45.0   | 47.7   | 43.7   | 39.7   | 39.7   | 38.4   |
| 87.5° | 14.6   | 15.9   | 18.5   | 18.5   | 19.9   | 19.9   | 18.5   | 19.9   | 19.9   | 18.5   | 17.2   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1790.8 | 1792.1 | 1794.8 | 1808.0 | 1814.6 | 1816.0 | 1810.7 | 1822.6 | 1826.6 | 1822.6 | 1819.9 |
| 5°    | 1875.6 | 1883.5 | 1899.4 | 1916.6 | 1915.3 | 1916.6 | 1924.6 | 1932.5 | 1935.2 | 1924.6 | 1928.5 |
| 7.5°  | 1949.7 | 1965.6 | 1982.9 | 2009.3 | 2009.3 | 2022.6 | 2027.9 | 2034.5 | 2050.4 | 2042.5 | 2039.8 |
| 10°   | 2034.5 | 2055.7 | 2087.5 | 2129.9 | 2131.2 | 2144.5 | 2157.7 | 2178.9 | 2185.5 | 2180.2 | 2182.9 |
| 12.5° | 2140.5 | 2181.5 | 2184.2 | 2230.5 | 2251.7 | 2254.4 | 2275.6 | 2271.6 | 2284.9 | 2284.9 | 2307.4 |
| 15°   | 2186.8 | 2250.4 | 2286.2 | 2331.2 | 2344.5 | 2328.6 | 2345.8 | 2364.3 | 2365.7 | 2365.7 | 2364.3 |
| 17.5° | 2270.3 | 2295.5 | 2331.2 | 2355.1 | 2360.4 | 2360.4 | 2361.7 | 2369.6 | 2364.3 | 2353.7 | 2361.7 |
| 20°   | 2287.5 | 2298.1 | 2311.3 | 2308.7 | 2311.3 | 2298.1 | 2284.9 | 2271.6 | 2272.9 | 2266.3 | 2286.2 |
| 22.5° | 2255.7 | 2253.1 | 2222.6 | 2202.7 | 2202.7 | 2176.2 | 2151.1 | 2139.2 | 2127.2 | 2131.2 | 2137.8 |
| 25°   | 2176.2 | 2135.2 | 2098.1 | 2069.0 | 2062.3 | 2019.9 | 1985.5 | 1974.9 | 1955.0 | 1970.9 | 1973.6 |
| 27.5° | 2049.1 | 2002.7 | 1943.1 | 1918.0 | 1883.5 | 1866.3 | 1842.5 | 1810.7 | 1769.6 | 1793.4 | 1789.5 |
| 30°   | 1912.7 | 1843.8 | 1794.8 | 1733.8 | 1679.5 | 1675.6 | 1630.5 | 1577.5 | 1556.3 | 1556.3 | 1568.3 |
| 32.5° | 1760.3 | 1668.9 | 1597.4 | 1511.3 | 1458.3 | 1435.8 | 1381.5 | 1328.5 | 1340.4 | 1300.7 | 1315.3 |
| 35°   | 1582.8 | 1462.3 | 1372.2 | 1288.8 | 1249.1 | 1222.6 | 1152.4 | 1123.2 | 1091.4 | 1072.9 | 1107.3 |
| 37.5° | 1413.3 | 1274.2 | 1159.0 | 1067.6 | 1053.0 | 1005.3 | 957.7  | 939.1  | 920.6  | 928.5  | 927.2  |
| 40°   | 1206.7 | 1083.5 | 980.2  | 908.6  | 883.5  | 861.0  | 829.2  | 806.7  | 794.7  | 801.4  | 802.7  |
| 42.5° | 1019.9 | 916.6  | 839.8  | 789.4  | 768.2  | 752.3  | 736.5  | 717.9  | 713.9  | 713.9  | 719.2  |
| 45°   | 875.5  | 790.8  | 739.1  | 698.0  | 686.1  | 674.2  | 662.3  | 654.3  | 651.7  | 646.4  | 650.4  |
| 47.5° | 760.3  | 692.7  | 661.0  | 630.5  | 617.2  | 614.6  | 604.0  | 600.0  | 594.7  | 593.4  | 594.7  |
| 50°   | 663.6  | 621.2  | 592.1  | 574.9  | 565.6  | 561.6  | 556.3  | 548.4  | 545.7  | 552.3  | 549.7  |
| 52.5° | 596.0  | 556.3  | 540.4  | 523.2  | 517.9  | 512.6  | 504.7  | 506.0  | 504.7  | 502.0  | 502.0  |
| 55°   | 528.5  | 503.3  | 487.4  | 474.2  | 472.9  | 467.6  | 460.9  | 458.3  | 457.0  | 454.3  | 458.3  |
| 57.5° | 474.2  | 454.3  | 439.8  | 427.8  | 422.5  | 422.5  | 415.9  | 410.6  | 410.6  | 409.3  | 410.6  |
| 60°   | 419.9  | 400.0  | 390.7  | 378.8  | 374.8  | 373.5  | 369.6  | 366.9  | 362.9  | 362.9  | 362.9  |
| 62.5° | 369.6  | 353.7  | 343.1  | 332.5  | 333.8  | 327.2  | 321.9  | 319.2  | 319.2  | 320.5  | 320.5  |
| 65°   | 321.9  | 311.3  | 298.0  | 288.8  | 286.1  | 284.8  | 282.1  | 280.8  | 276.8  | 279.5  | 279.5  |
| 67.5° | 278.2  | 263.6  | 255.6  | 251.7  | 247.7  | 246.4  | 243.7  | 241.1  | 239.7  | 238.4  | 241.1  |
| 70°   | 234.4  | 222.5  | 215.9  | 213.3  | 209.3  | 208.0  | 206.6  | 202.7  | 204.0  | 205.3  | 206.6  |
| 72.5° | 194.7  | 184.1  | 182.8  | 174.8  | 174.8  | 174.8  | 169.5  | 172.2  | 170.9  | 168.2  | 170.9  |
| 75°   | 153.6  | 148.3  | 145.7  | 141.7  | 143.1  | 141.7  | 140.4  | 136.4  | 136.4  | 137.8  | 139.1  |
| 77.5° | 121.9  | 116.6  | 115.2  | 111.3  | 108.6  | 111.3  | 108.6  | 107.3  | 107.3  | 108.6  | 108.6  |
| 80°   | 90.1   | 87.4   | 83.4   | 83.4   | 83.4   | 82.1   | 82.1   | 82.1   | 80.8   | 79.5   | 80.8   |
| 82.5° | 59.6   | 59.6   | 58.3   | 57.0   | 58.3   | 55.6   | 57.0   | 57.0   | 57.0   | 57.0   | 57.0   |
| 85°   | 38.4   | 37.1   | 37.1   | 35.8   | 35.8   | 35.8   | 37.1   | 34.4   | 34.4   | 35.8   | 35.8   |
| 87.5° | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 17.2   | 17.2   |
| 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1826.6 | 1817.3 | 1809.3 | 1810.7 | 1817.3 | 1812.0 | 1798.7 | 1781.5 | 1774.9 | 1767.0 | 1774.9 |
| 5°    | 1936.5 | 1928.5 | 1912.7 | 1914.0 | 1910.0 | 1904.7 | 1883.5 | 1857.0 | 1857.0 | 1835.8 | 1833.2 |
| 7.5°  | 2045.1 | 2033.2 | 2022.6 | 2019.9 | 2005.4 | 1994.8 | 1976.2 | 1939.1 | 1924.6 | 1899.4 | 1884.8 |
| 10°   | 2167.0 | 2157.7 | 2145.8 | 2131.2 | 2123.3 | 2104.7 | 2074.3 | 2019.9 | 1993.5 | 1959.0 | 1933.8 |
| 12.5° | 2290.2 | 2288.8 | 2262.3 | 2233.2 | 2231.9 | 2202.7 | 2181.5 | 2108.7 | 2072.9 | 2026.6 | 1967.0 |
| 15°   | 2368.3 | 2361.7 | 2347.1 | 2332.5 | 2336.5 | 2304.7 | 2257.0 | 2170.9 | 2147.1 | 2091.5 | 2027.9 |
| 17.5° | 2367.0 | 2367.0 | 2363.0 | 2360.4 | 2356.4 | 2347.1 | 2320.6 | 2263.7 | 2225.2 | 2155.0 | 2095.4 |
| 20°   | 2291.5 | 2308.7 | 2312.7 | 2311.3 | 2324.6 | 2331.2 | 2329.9 | 2294.1 | 2263.7 | 2201.4 | 2140.5 |
| 22.5° | 2140.5 | 2180.2 | 2197.4 | 2208.0 | 2235.8 | 2250.4 | 2284.9 | 2271.6 | 2263.7 | 2217.3 | 2165.6 |
| 25°   | 2000.1 | 2013.3 | 2065.0 | 2067.6 | 2106.0 | 2141.8 | 2176.2 | 2198.8 | 2227.9 | 2210.7 | 2167.0 |
| 27.5° | 1818.6 | 1849.1 | 1886.2 | 1914.0 | 1921.9 | 1994.8 | 2051.7 | 2094.1 | 2160.3 | 2165.6 | 2151.1 |
| 30°   | 1613.3 | 1627.9 | 1688.8 | 1725.9 | 1768.3 | 1821.3 | 1903.4 | 1976.2 | 2035.8 | 2090.1 | 2108.7 |
| 32.5° | 1363.0 | 1422.6 | 1458.3 | 1503.4 | 1540.5 | 1634.5 | 1735.2 | 1829.2 | 1898.1 | 1989.5 | 2029.2 |
| 35°   | 1133.8 | 1180.2 | 1241.1 | 1259.6 | 1327.2 | 1406.7 | 1537.8 | 1658.3 | 1763.0 | 1855.7 | 1936.5 |
| 37.5° | 944.4  | 981.5  | 1046.4 | 1075.5 | 1115.3 | 1217.3 | 1327.2 | 1476.9 | 1602.7 | 1716.6 | 1817.3 |
| 40°   | 814.6  | 842.4  | 891.4  | 900.7  | 933.8  | 1026.5 | 1115.3 | 1255.7 | 1422.6 | 1576.2 | 1686.2 |
| 42.5° | 725.9  | 739.1  | 772.2  | 784.1  | 805.3  | 867.6  | 947.1  | 1079.5 | 1234.5 | 1393.4 | 1548.4 |
| 45°   | 662.3  | 671.5  | 691.4  | 702.0  | 728.5  | 756.3  | 821.2  | 927.2  | 1049.0 | 1209.3 | 1376.2 |
| 47.5° | 605.3  | 617.2  | 625.2  | 631.8  | 646.4  | 676.8  | 719.2  | 797.4  | 913.9  | 1061.0 | 1222.6 |
| 50°   | 557.6  | 561.6  | 576.2  | 577.5  | 586.8  | 606.6  | 646.4  | 694.1  | 786.8  | 906.0  | 1062.3 |
| 52.5° | 510.0  | 513.9  | 523.2  | 532.5  | 536.4  | 552.3  | 578.8  | 618.6  | 687.4  | 781.5  | 920.6  |
| 55°   | 462.3  | 467.6  | 476.8  | 483.5  | 487.4  | 500.7  | 516.6  | 555.0  | 609.3  | 675.5  | 789.4  |
| 57.5° | 414.6  | 426.5  | 429.2  | 433.1  | 439.8  | 454.3  | 468.9  | 491.4  | 533.8  | 594.7  | 678.2  |
| 60°   | 369.6  | 373.5  | 382.8  | 386.8  | 393.4  | 401.3  | 419.9  | 437.1  | 467.6  | 515.3  | 590.8  |
| 62.5° | 323.2  | 332.5  | 336.4  | 340.4  | 345.7  | 355.0  | 366.9  | 385.4  | 411.9  | 450.3  | 510.0  |
| 65°   | 283.5  | 284.8  | 292.7  | 298.0  | 303.3  | 309.9  | 321.9  | 339.1  | 355.0  | 390.7  | 434.5  |
| 67.5° | 245.0  | 247.7  | 250.3  | 255.6  | 262.3  | 268.9  | 279.5  | 288.8  | 308.6  | 332.5  | 366.9  |
| 70°   | 208.0  | 208.0  | 214.6  | 218.6  | 217.2  | 225.2  | 233.1  | 243.7  | 258.3  | 280.8  | 308.6  |
| 72.5° | 174.8  | 173.5  | 178.8  | 180.1  | 182.8  | 188.1  | 193.4  | 204.0  | 211.9  | 229.1  | 250.3  |
| 75°   | 139.1  | 141.7  | 144.4  | 144.4  | 148.3  | 152.3  | 157.6  | 162.9  | 172.2  | 182.8  | 198.7  |
| 77.5° | 109.9  | 109.9  | 112.6  | 113.9  | 117.9  | 116.6  | 121.9  | 127.2  | 133.8  | 143.1  | 155.0  |
| 80°   | 80.8   | 83.4   | 83.4   | 83.4   | 84.8   | 86.1   | 91.4   | 95.4   | 99.3   | 106.0  | 111.3  |
| 82.5° | 57.0   | 57.0   | 59.6   | 59.6   | 59.6   | 62.3   | 62.3   | 63.6   | 66.2   | 70.2   | 74.2   |
| 85°   | 35.8   | 35.8   | 35.8   | 37.1   | 35.8   | 37.1   | 39.7   | 38.4   | 39.7   | 42.4   | 42.4   |
| 87.5° | 17.2   | 17.2   | 17.2   | 17.2   | 17.2   | 18.5   | 17.2   | 18.5   | 19.9   | 19.9   | 19.9   |
| 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):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1768.3 | 1761.7 | 1757.7 | 1760.3 | 1752.4 | 1732.5 | 1732.5 | 1739.1 | 1731.2 | 1723.2 | 1711.3 |
| 5°    | 1817.3 | 1804.0 | 1796.1 | 1794.8 | 1776.2 | 1744.4 | 1737.8 | 1731.2 | 1714.0 | 1695.4 | 1675.6 |
| 7.5°  | 1865.0 | 1841.1 | 1827.9 | 1818.6 | 1792.1 | 1751.1 | 1733.8 | 1719.3 | 1691.5 | 1663.6 | 1638.5 |
| 10°   | 1904.7 | 1870.3 | 1854.4 | 1839.8 | 1805.4 | 1753.7 | 1725.9 | 1699.4 | 1663.6 | 1627.9 | 1596.1 |
| 12.5° | 1936.5 | 1896.8 | 1876.9 | 1855.7 | 1813.3 | 1745.8 | 1711.3 | 1668.9 | 1633.2 | 1585.5 | 1553.7 |
| 15°   | 1989.5 | 1907.4 | 1888.8 | 1868.9 | 1825.2 | 1732.5 | 1690.1 | 1642.4 | 1593.4 | 1529.9 | 1495.4 |
| 17.5° | 2031.9 | 1921.9 | 1920.6 | 1878.2 | 1821.3 | 1727.2 | 1662.3 | 1600.1 | 1547.1 | 1483.5 | 1429.2 |
| 20°   | 2057.0 | 1944.4 | 1923.3 | 1879.5 | 1808.0 | 1691.5 | 1623.9 | 1555.0 | 1498.1 | 1421.2 | 1366.9 |
| 22.5° | 2078.2 | 1976.2 | 1920.6 | 1867.6 | 1780.2 | 1679.5 | 1580.2 | 1515.3 | 1437.1 | 1353.7 | 1302.0 |
| 25°   | 2086.2 | 1982.9 | 1924.6 | 1863.6 | 1760.3 | 1645.1 | 1532.5 | 1462.3 | 1374.9 | 1299.4 | 1229.2 |
| 27.5° | 2087.5 | 1981.5 | 1910.0 | 1846.4 | 1732.5 | 1600.1 | 1484.8 | 1410.6 | 1314.0 | 1226.5 | 1156.3 |
| 30°   | 2074.3 | 1967.0 | 1902.1 | 1833.2 | 1706.0 | 1559.0 | 1426.5 | 1344.4 | 1241.1 | 1153.7 | 1080.8 |
| 32.5° | 2034.5 | 1937.8 | 1884.8 | 1809.3 | 1671.6 | 1502.0 | 1370.9 | 1279.5 | 1170.9 | 1084.8 | 1014.6 |
| 35°   | 1968.3 | 1902.1 | 1843.8 | 1773.6 | 1626.6 | 1449.1 | 1315.3 | 1208.0 | 1098.1 | 1015.9 | 949.7  |
| 37.5° | 1886.2 | 1850.4 | 1796.1 | 1727.2 | 1574.9 | 1401.4 | 1253.0 | 1133.8 | 1023.9 | 944.4  | 879.5  |
| 40°   | 1774.9 | 1784.2 | 1731.2 | 1668.9 | 1514.0 | 1336.5 | 1172.2 | 1058.3 | 955.0  | 880.8  | 817.2  |
| 42.5° | 1654.4 | 1692.8 | 1662.3 | 1602.7 | 1446.4 | 1264.9 | 1112.6 | 986.8  | 886.1  | 809.3  | 756.3  |
| 45°   | 1524.6 | 1590.8 | 1572.2 | 1528.5 | 1376.2 | 1189.4 | 1027.9 | 906.0  | 817.2  | 743.1  | 696.7  |
| 47.5° | 1382.8 | 1476.9 | 1476.9 | 1445.1 | 1298.1 | 1113.9 | 955.0  | 830.5  | 743.1  | 690.1  | 645.1  |
| 50°   | 1238.5 | 1344.4 | 1361.6 | 1340.4 | 1210.6 | 1027.9 | 866.3  | 753.7  | 678.2  | 626.5  | 593.4  |
| 52.5° | 1087.5 | 1210.6 | 1242.4 | 1231.8 | 1117.9 | 945.7  | 793.4  | 683.5  | 614.6  | 569.6  | 540.4  |
| 55°   | 943.1  | 1086.1 | 1120.6 | 1124.5 | 1018.6 | 855.7  | 712.6  | 615.9  | 549.7  | 519.2  | 494.1  |
| 57.5° | 806.7  | 944.4  | 982.8  | 989.4  | 917.9  | 773.5  | 637.1  | 552.3  | 492.7  | 467.6  | 447.7  |
| 60°   | 690.1  | 805.3  | 855.7  | 870.2  | 808.0  | 678.2  | 566.9  | 484.8  | 439.8  | 415.9  | 397.4  |
| 62.5° | 594.7  | 687.4  | 740.4  | 744.4  | 716.6  | 594.7  | 494.1  | 425.2  | 386.8  | 365.6  | 356.3  |
| 65°   | 502.0  | 585.5  | 617.2  | 633.1  | 610.6  | 515.3  | 426.5  | 369.6  | 339.1  | 320.5  | 311.3  |
| 67.5° | 427.8  | 480.8  | 507.3  | 528.5  | 506.0  | 434.5  | 362.9  | 316.6  | 294.1  | 275.5  | 270.2  |
| 70°   | 351.0  | 394.7  | 414.6  | 435.8  | 415.9  | 361.6  | 309.9  | 267.6  | 247.7  | 233.1  | 226.5  |
| 72.5° | 280.8  | 315.2  | 333.8  | 347.0  | 335.1  | 290.1  | 247.7  | 218.6  | 204.0  | 193.4  | 189.4  |
| 75°   | 222.5  | 246.4  | 257.0  | 266.2  | 260.9  | 226.5  | 200.0  | 176.2  | 162.9  | 153.6  | 151.0  |
| 77.5° | 169.5  | 186.8  | 198.7  | 201.3  | 194.7  | 172.2  | 149.7  | 135.1  | 124.5  | 119.2  | 116.6  |
| 80°   | 120.5  | 131.1  | 137.8  | 141.7  | 135.1  | 125.8  | 109.9  | 99.3   | 90.1   | 83.4   | 82.1   |
| 82.5° | 80.8   | 86.1   | 91.4   | 90.1   | 87.4   | 79.5   | 70.2   | 64.9   | 60.9   | 55.6   | 55.6   |
| 85°   | 46.4   | 47.7   | 50.3   | 51.7   | 50.3   | 45.0   | 39.7   | 37.1   | 34.4   | 30.5   | 30.5   |
| 87.5° | 19.9   | 21.2   | 21.2   | 22.5   | 19.9   | 19.9   | 17.2   | 14.6   | 14.6   | 13.2   | 11.9   |
| 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):**

|       | 200°   | 202.5° | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1704.7 | 1711.3 | 1710.0 | 1696.8 | 1682.2 | 1670.3 | 1647.7 | 1650.4 | 1642.4 | 1643.8 | 1651.7 |
| 5°    | 1662.3 | 1662.3 | 1657.0 | 1638.5 | 1614.6 | 1601.4 | 1576.2 | 1569.6 | 1553.7 | 1552.4 | 1551.1 |
| 7.5°  | 1617.3 | 1610.7 | 1604.0 | 1577.5 | 1548.4 | 1527.2 | 1492.8 | 1484.8 | 1468.9 | 1458.3 | 1453.0 |
| 10°   | 1564.3 | 1555.0 | 1541.8 | 1511.3 | 1475.6 | 1449.1 | 1413.3 | 1402.7 | 1372.2 | 1359.0 | 1351.0 |
| 12.5° | 1506.0 | 1500.7 | 1479.5 | 1454.4 | 1396.1 | 1366.9 | 1315.3 | 1325.9 | 1295.4 | 1268.9 | 1264.9 |
| 15°   | 1447.7 | 1427.9 | 1415.9 | 1374.9 | 1304.7 | 1291.4 | 1250.4 | 1229.2 | 1201.4 | 1180.2 | 1180.2 |
| 17.5° | 1390.8 | 1360.3 | 1333.8 | 1290.1 | 1238.5 | 1201.4 | 1170.9 | 1160.3 | 1125.9 | 1104.7 | 1100.7 |
| 20°   | 1315.3 | 1280.8 | 1274.2 | 1212.0 | 1176.2 | 1135.1 | 1106.0 | 1079.5 | 1054.3 | 1045.1 | 1038.4 |
| 22.5° | 1243.8 | 1204.0 | 1193.4 | 1140.4 | 1104.7 | 1063.6 | 1034.5 | 1015.9 | 997.4  | 990.8  | 978.8  |
| 25°   | 1166.9 | 1143.1 | 1127.2 | 1070.2 | 1030.5 | 992.1  | 972.2  | 959.0  | 941.8  | 940.4  | 932.5  |
| 27.5° | 1092.8 | 1070.2 | 1054.3 | 1000.0 | 970.9  | 935.1  | 919.2  | 904.7  | 895.4  | 891.4  | 887.5  |
| 30°   | 1029.2 | 1004.0 | 985.5  | 945.7  | 910.0  | 880.8  | 867.6  | 858.3  | 853.0  | 846.4  | 845.1  |
| 32.5° | 959.0  | 944.4  | 919.2  | 888.8  | 861.0  | 833.1  | 825.2  | 818.6  | 810.6  | 808.0  | 806.7  |
| 35°   | 899.4  | 879.5  | 863.6  | 829.2  | 817.2  | 793.4  | 784.1  | 778.8  | 768.2  | 765.6  | 762.9  |
| 37.5° | 841.1  | 822.5  | 805.3  | 784.1  | 761.6  | 748.4  | 743.1  | 735.1  | 729.8  | 731.2  | 728.5  |
| 40°   | 782.8  | 768.2  | 755.0  | 732.5  | 719.2  | 712.6  | 702.0  | 694.1  | 691.4  | 692.7  | 691.4  |
| 42.5° | 725.9  | 712.6  | 704.7  | 687.4  | 674.2  | 667.6  | 661.0  | 653.0  | 657.0  | 657.0  | 661.0  |
| 45°   | 674.2  | 662.3  | 657.0  | 643.7  | 635.8  | 625.2  | 618.6  | 617.2  | 622.5  | 621.2  | 621.2  |
| 47.5° | 621.2  | 617.2  | 610.6  | 598.7  | 588.1  | 581.5  | 580.2  | 580.2  | 585.5  | 588.1  | 586.8  |
| 50°   | 580.2  | 572.2  | 564.3  | 555.0  | 547.0  | 544.4  | 540.4  | 543.1  | 548.4  | 548.4  | 551.0  |
| 52.5° | 528.5  | 523.2  | 520.5  | 512.6  | 507.3  | 507.3  | 507.3  | 508.6  | 512.6  | 516.6  | 515.3  |
| 55°   | 483.5  | 479.5  | 476.8  | 472.9  | 466.2  | 467.6  | 466.2  | 468.9  | 472.9  | 476.8  | 479.5  |
| 57.5° | 435.8  | 434.5  | 431.8  | 425.2  | 425.2  | 423.9  | 427.8  | 429.2  | 435.8  | 438.4  | 442.4  |
| 60°   | 393.4  | 389.4  | 389.4  | 384.1  | 384.1  | 384.1  | 388.1  | 392.1  | 397.4  | 398.7  | 401.3  |
| 62.5° | 348.4  | 348.4  | 347.0  | 343.1  | 343.1  | 347.0  | 348.4  | 353.7  | 356.3  | 356.3  | 360.3  |
| 65°   | 306.0  | 304.6  | 303.3  | 304.6  | 306.0  | 306.0  | 309.9  | 312.6  | 315.2  | 316.6  | 317.9  |
| 67.5° | 263.6  | 262.3  | 264.9  | 263.6  | 266.2  | 271.5  | 270.2  | 274.2  | 278.2  | 278.2  | 279.5  |
| 70°   | 223.8  | 226.5  | 225.2  | 227.8  | 226.5  | 229.1  | 233.1  | 234.4  | 234.4  | 235.8  | 239.7  |
| 72.5° | 186.8  | 186.8  | 186.8  | 185.4  | 186.8  | 189.4  | 192.1  | 193.4  | 196.0  | 197.4  | 201.3  |
| 75°   | 151.0  | 151.0  | 148.3  | 151.0  | 151.0  | 153.6  | 156.3  | 156.3  | 156.3  | 158.9  | 162.9  |
| 77.5° | 113.9  | 115.2  | 113.9  | 116.6  | 116.6  | 117.9  | 120.5  | 119.2  | 121.9  | 123.2  | 124.5  |
| 80°   | 83.4   | 82.1   | 82.1   | 82.1   | 83.4   | 83.4   | 86.1   | 87.4   | 87.4   | 91.4   | 88.7   |
| 82.5° | 53.0   | 54.3   | 53.0   | 54.3   | 54.3   | 55.6   | 54.3   | 55.6   | 57.0   | 59.6   | 58.3   |
| 85°   | 30.5   | 29.1   | 29.1   | 30.5   | 29.1   | 29.1   | 30.5   | 29.1   | 30.5   | 29.1   | 30.5   |
| 87.5° | 11.9   | 10.6   | 10.6   | 10.6   | 10.6   | 9.3    | 9.3    | 7.9    | 7.9    | 7.9    | 6.6    |
| 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):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1642.4 | 1646.4 | 1637.1 | 1634.5 | 1637.1 | 1627.9 | 1630.5 | 1633.2 | 1633.2 | 1637.1 | 1639.8 |
| 5°    | 1547.1 | 1541.8 | 1532.5 | 1529.9 | 1527.2 | 1531.2 | 1528.5 | 1532.5 | 1533.8 | 1543.1 | 1544.4 |
| 7.5°  | 1453.0 | 1445.1 | 1437.1 | 1429.2 | 1426.5 | 1419.9 | 1426.5 | 1426.5 | 1435.8 | 1433.2 | 1439.8 |
| 10°   | 1341.8 | 1340.4 | 1329.9 | 1325.9 | 1320.6 | 1310.0 | 1324.6 | 1320.6 | 1327.2 | 1339.1 | 1341.8 |
| 12.5° | 1259.6 | 1245.1 | 1251.7 | 1233.2 | 1239.8 | 1229.2 | 1230.5 | 1230.5 | 1241.1 | 1242.4 | 1239.8 |
| 15°   | 1181.5 | 1169.6 | 1152.4 | 1144.4 | 1140.4 | 1135.1 | 1152.4 | 1153.7 | 1145.7 | 1164.3 | 1157.7 |
| 17.5° | 1102.0 | 1102.0 | 1086.1 | 1082.2 | 1071.6 | 1076.9 | 1074.2 | 1075.5 | 1072.9 | 1086.1 | 1092.8 |
| 20°   | 1033.2 | 1026.5 | 1021.2 | 1022.6 | 1009.3 | 1006.7 | 1004.0 | 1006.7 | 1015.9 | 1025.2 | 1027.9 |
| 22.5° | 977.5  | 973.5  | 960.3  | 963.0  | 952.4  | 956.3  | 953.7  | 960.3  | 961.6  | 961.6  | 970.9  |
| 25°   | 924.5  | 919.2  | 920.6  | 915.3  | 911.3  | 911.3  | 907.3  | 911.3  | 916.6  | 919.2  | 920.6  |
| 27.5° | 884.8  | 880.8  | 874.2  | 870.2  | 872.9  | 866.3  | 871.6  | 875.5  | 875.5  | 872.9  | 875.5  |
| 30°   | 837.1  | 839.8  | 839.8  | 826.5  | 831.8  | 829.2  | 833.1  | 835.8  | 835.8  | 837.1  | 834.5  |
| 32.5° | 805.3  | 797.4  | 796.1  | 794.7  | 794.7  | 789.4  | 789.4  | 793.4  | 794.7  | 796.1  | 800.0  |
| 35°   | 762.9  | 762.9  | 756.3  | 760.3  | 755.0  | 756.3  | 755.0  | 756.3  | 759.0  | 755.0  | 759.0  |
| 37.5° | 724.5  | 725.9  | 723.2  | 725.9  | 727.2  | 724.5  | 721.9  | 727.2  | 724.5  | 724.5  | 721.9  |
| 40°   | 691.4  | 690.1  | 691.4  | 691.4  | 691.4  | 692.7  | 690.1  | 690.1  | 690.1  | 687.4  | 684.8  |
| 42.5° | 663.6  | 655.7  | 658.3  | 659.6  | 655.7  | 655.7  | 657.0  | 655.7  | 659.6  | 651.7  | 651.7  |
| 45°   | 623.9  | 621.2  | 622.5  | 622.5  | 625.2  | 621.2  | 623.9  | 625.2  | 621.2  | 619.9  | 617.2  |
| 47.5° | 588.1  | 590.8  | 588.1  | 590.8  | 590.8  | 593.4  | 588.1  | 589.4  | 590.8  | 585.5  | 581.5  |
| 50°   | 552.3  | 552.3  | 556.3  | 555.0  | 556.3  | 553.7  | 553.7  | 552.3  | 553.7  | 551.0  | 547.0  |
| 52.5° | 519.2  | 515.3  | 521.9  | 520.5  | 519.2  | 517.9  | 516.6  | 517.9  | 515.3  | 512.6  | 512.6  |
| 55°   | 478.2  | 478.2  | 482.1  | 483.5  | 483.5  | 480.8  | 478.2  | 479.5  | 478.2  | 476.8  | 475.5  |
| 57.5° | 445.0  | 439.8  | 442.4  | 443.7  | 443.7  | 439.8  | 442.4  | 439.8  | 439.8  | 441.1  | 437.1  |
| 60°   | 402.7  | 402.7  | 400.0  | 404.0  | 404.0  | 401.3  | 401.3  | 402.7  | 400.0  | 398.7  | 397.4  |
| 62.5° | 357.6  | 359.0  | 362.9  | 364.3  | 365.6  | 362.9  | 360.3  | 361.6  | 361.6  | 357.6  | 359.0  |
| 65°   | 319.2  | 321.9  | 327.2  | 325.8  | 323.2  | 324.5  | 321.9  | 323.2  | 319.2  | 320.5  | 316.6  |
| 67.5° | 282.1  | 280.8  | 282.1  | 282.1  | 284.8  | 283.5  | 280.8  | 280.8  | 279.5  | 283.5  | 279.5  |
| 70°   | 242.4  | 242.4  | 242.4  | 242.4  | 243.7  | 245.0  | 242.4  | 239.7  | 241.1  | 238.4  | 237.1  |
| 72.5° | 201.3  | 202.7  | 201.3  | 204.0  | 200.0  | 202.7  | 202.7  | 201.3  | 200.0  | 200.0  | 200.0  |
| 75°   | 162.9  | 165.6  | 161.6  | 162.9  | 161.6  | 164.2  | 162.9  | 162.9  | 160.3  | 158.9  | 160.3  |
| 77.5° | 124.5  | 125.8  | 123.2  | 124.5  | 123.2  | 124.5  | 124.5  | 123.2  | 123.2  | 123.2  | 123.2  |
| 80°   | 88.7   | 90.1   | 88.7   | 87.4   | 86.1   | 88.7   | 86.1   | 87.4   | 88.7   | 87.4   | 90.1   |
| 82.5° | 57.0   | 57.0   | 55.6   | 57.0   | 54.3   | 54.3   | 55.6   | 55.6   | 54.3   | 57.0   | 54.3   |
| 85°   | 27.8   | 27.8   | 30.5   | 27.8   | 26.5   | 26.5   | 26.5   | 27.8   | 26.5   | 29.1   | 27.8   |
| 87.5° | 6.6    | 5.3    | 6.6    | 6.6    | 5.3    | 5.3    | 6.6    | 5.3    | 6.6    | 7.9    | 5.3    |
| 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: P987709

CATALOG NUMBER: S122DW-B865DB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1635.8 | 1646.4 | 1642.4 | 1627.9 | 1645.1 | 1645.1 | 1657.0 | 1657.0 | 1671.6 | 1676.9 | 1684.8 |
| 5°    | 1543.1 | 1551.1 | 1557.7 | 1551.1 | 1563.0 | 1581.5 | 1592.1 | 1601.4 | 1621.3 | 1629.2 | 1641.1 |
| 7.5°  | 1443.8 | 1458.3 | 1465.0 | 1465.0 | 1484.8 | 1506.0 | 1527.2 | 1540.5 | 1568.3 | 1578.9 | 1590.8 |
| 10°   | 1347.1 | 1364.3 | 1377.5 | 1376.2 | 1409.3 | 1422.6 | 1449.1 | 1479.5 | 1507.3 | 1523.2 | 1540.5 |
| 12.5° | 1245.1 | 1254.4 | 1272.9 | 1299.4 | 1307.3 | 1331.2 | 1361.6 | 1400.1 | 1450.4 | 1465.0 | 1490.1 |
| 15°   | 1160.3 | 1185.5 | 1200.0 | 1212.0 | 1230.5 | 1253.0 | 1286.1 | 1323.2 | 1373.6 | 1405.4 | 1431.8 |
| 17.5° | 1088.8 | 1121.9 | 1131.2 | 1128.5 | 1152.4 | 1186.8 | 1225.2 | 1253.0 | 1298.1 | 1336.5 | 1361.6 |
| 20°   | 1030.5 | 1043.7 | 1059.6 | 1066.3 | 1084.8 | 1121.9 | 1159.0 | 1190.8 | 1227.9 | 1258.3 | 1287.5 |
| 22.5° | 972.2  | 982.8  | 996.1  | 1008.0 | 1022.6 | 1043.7 | 1079.5 | 1119.2 | 1155.0 | 1184.2 | 1217.3 |
| 25°   | 924.5  | 931.2  | 943.1  | 952.4  | 968.2  | 982.8  | 1008.0 | 1051.7 | 1094.1 | 1111.3 | 1140.4 |
| 27.5° | 878.2  | 883.5  | 891.4  | 902.0  | 910.0  | 924.5  | 947.1  | 982.8  | 1026.5 | 1043.7 | 1083.5 |
| 30°   | 837.1  | 841.1  | 849.0  | 854.3  | 858.3  | 875.5  | 892.7  | 920.6  | 953.7  | 977.5  | 1006.7 |
| 32.5° | 798.7  | 802.7  | 810.6  | 812.0  | 817.2  | 826.5  | 842.4  | 867.6  | 896.7  | 916.6  | 941.8  |
| 35°   | 756.3  | 759.0  | 766.9  | 769.6  | 773.5  | 781.5  | 793.4  | 812.0  | 838.4  | 853.0  | 875.5  |
| 37.5° | 723.2  | 721.9  | 727.2  | 731.2  | 736.5  | 740.4  | 744.4  | 762.9  | 782.8  | 796.1  | 813.3  |
| 40°   | 687.4  | 684.8  | 686.1  | 691.4  | 694.1  | 699.4  | 699.4  | 717.9  | 731.2  | 741.7  | 755.0  |
| 42.5° | 651.7  | 650.4  | 647.7  | 650.4  | 653.0  | 654.3  | 655.7  | 668.9  | 682.1  | 691.4  | 706.0  |
| 45°   | 615.9  | 614.6  | 611.9  | 613.3  | 613.3  | 615.9  | 619.9  | 625.2  | 634.5  | 642.4  | 650.4  |
| 47.5° | 582.8  | 580.2  | 576.2  | 574.9  | 577.5  | 577.5  | 577.5  | 582.8  | 592.1  | 594.7  | 602.7  |
| 50°   | 548.4  | 544.4  | 539.1  | 536.4  | 536.4  | 535.1  | 537.8  | 539.1  | 547.0  | 549.7  | 556.3  |
| 52.5° | 511.3  | 508.6  | 503.3  | 498.0  | 499.4  | 496.7  | 498.0  | 499.4  | 502.0  | 506.0  | 510.0  |
| 55°   | 474.2  | 468.9  | 464.9  | 463.6  | 459.6  | 459.6  | 455.6  | 460.9  | 459.6  | 460.9  | 466.2  |
| 57.5° | 438.4  | 433.1  | 426.5  | 423.9  | 419.9  | 418.6  | 415.9  | 414.6  | 415.9  | 419.9  | 423.9  |
| 60°   | 396.0  | 393.4  | 389.4  | 385.4  | 382.8  | 378.8  | 376.2  | 376.2  | 374.8  | 374.8  | 376.2  |
| 62.5° | 355.0  | 353.7  | 348.4  | 347.0  | 344.4  | 341.7  | 337.8  | 335.1  | 335.1  | 337.8  | 339.1  |
| 65°   | 315.2  | 313.9  | 309.9  | 308.6  | 302.0  | 299.3  | 298.0  | 296.7  | 294.1  | 294.1  | 294.1  |
| 67.5° | 278.2  | 274.2  | 274.2  | 267.6  | 262.3  | 259.6  | 257.0  | 255.6  | 255.6  | 255.6  | 257.0  |
| 70°   | 237.1  | 237.1  | 233.1  | 229.1  | 223.8  | 225.2  | 221.2  | 217.2  | 217.2  | 214.6  | 215.9  |
| 72.5° | 197.4  | 196.0  | 192.1  | 190.7  | 186.8  | 182.8  | 180.1  | 182.8  | 178.8  | 177.5  | 178.8  |
| 75°   | 158.9  | 157.6  | 155.0  | 152.3  | 153.6  | 149.7  | 145.7  | 144.4  | 144.4  | 141.7  | 141.7  |
| 77.5° | 121.9  | 124.5  | 119.2  | 117.9  | 115.2  | 112.6  | 111.3  | 109.9  | 109.9  | 109.9  | 112.6  |
| 80°   | 84.8   | 86.1   | 86.1   | 83.4   | 84.8   | 80.8   | 80.8   | 80.8   | 76.8   | 78.1   | 79.5   |
| 82.5° | 54.3   | 54.3   | 53.0   | 54.3   | 53.0   | 53.0   | 51.7   | 51.7   | 50.3   | 50.3   | 51.7   |
| 85°   | 30.5   | 29.1   | 27.8   | 30.5   | 29.1   | 29.1   | 27.8   | 27.8   | 27.8   | 27.8   | 27.8   |
| 87.5° | 6.6    | 7.9    | 7.9    | 7.9    | 7.9    | 9.3    | 9.3    | 9.3    | 10.6   | 10.6   | 10.6   |
| 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: P987709

CATALOG NUMBER: S122DW-B865DB35-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1723.2 | 1723.2 | 1723.2 | 1723.2 |
| 2.5°  | 1691.5 | 1691.5 | 1711.3 | 1732.5 |
| 5°    | 1654.4 | 1663.6 | 1695.4 | 1724.6 |
| 7.5°  | 1618.6 | 1634.5 | 1674.2 | 1711.3 |
| 10°   | 1574.9 | 1596.1 | 1645.1 | 1688.8 |
| 12.5° | 1532.5 | 1552.4 | 1609.3 | 1658.3 |
| 15°   | 1472.9 | 1498.1 | 1559.0 | 1619.9 |
| 17.5° | 1413.3 | 1438.5 | 1512.6 | 1584.2 |
| 20°   | 1343.1 | 1376.2 | 1459.7 | 1555.0 |
| 22.5° | 1278.2 | 1319.3 | 1412.0 | 1488.8 |
| 25°   | 1206.7 | 1270.2 | 1356.3 | 1455.7 |
| 27.5° | 1143.1 | 1206.7 | 1294.1 | 1394.8 |
| 30°   | 1071.6 | 1136.5 | 1226.5 | 1319.3 |
| 32.5° | 1002.7 | 1062.3 | 1149.7 | 1263.6 |
| 35°   | 931.2  | 988.1  | 1072.9 | 1188.1 |
| 37.5° | 866.3  | 921.9  | 1014.6 | 1120.6 |
| 40°   | 802.7  | 861.0  | 940.4  | 1046.4 |
| 42.5° | 743.1  | 794.7  | 866.3  | 972.2  |
| 45°   | 688.8  | 725.9  | 792.1  | 891.4  |
| 47.5° | 631.8  | 664.9  | 725.9  | 825.2  |
| 50°   | 578.8  | 606.6  | 659.6  | 752.3  |
| 52.5° | 527.2  | 551.0  | 600.0  | 674.2  |
| 55°   | 480.8  | 503.3  | 539.1  | 611.9  |
| 57.5° | 433.1  | 450.3  | 484.8  | 543.1  |
| 60°   | 386.8  | 402.7  | 430.5  | 478.2  |
| 62.5° | 340.4  | 353.7  | 380.1  | 418.6  |
| 65°   | 299.3  | 309.9  | 329.8  | 362.9  |
| 67.5° | 259.6  | 266.2  | 282.1  | 308.6  |
| 70°   | 221.2  | 226.5  | 239.7  | 260.9  |
| 72.5° | 180.1  | 185.4  | 200.0  | 214.6  |
| 75°   | 145.7  | 147.0  | 157.6  | 169.5  |
| 77.5° | 113.9  | 112.6  | 120.5  | 129.8  |
| 80°   | 78.1   | 82.1   | 88.7   | 92.7   |
| 82.5° | 53.0   | 54.3   | 57.0   | 59.6   |
| 85°   | 29.1   | 30.5   | 30.5   | 34.4   |
| 87.5° | 11.9   | 13.2   | 13.2   | 14.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)