

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: P1000429

Luminaire Tested: SA4XXRDP-B1195DB27-4F0-XX-W2A-A

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1000429  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: SA4XXRDP-B1195DB27-4F0-XX-W2A-A  
Description: Define 4 Regressed Direct Recessed with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

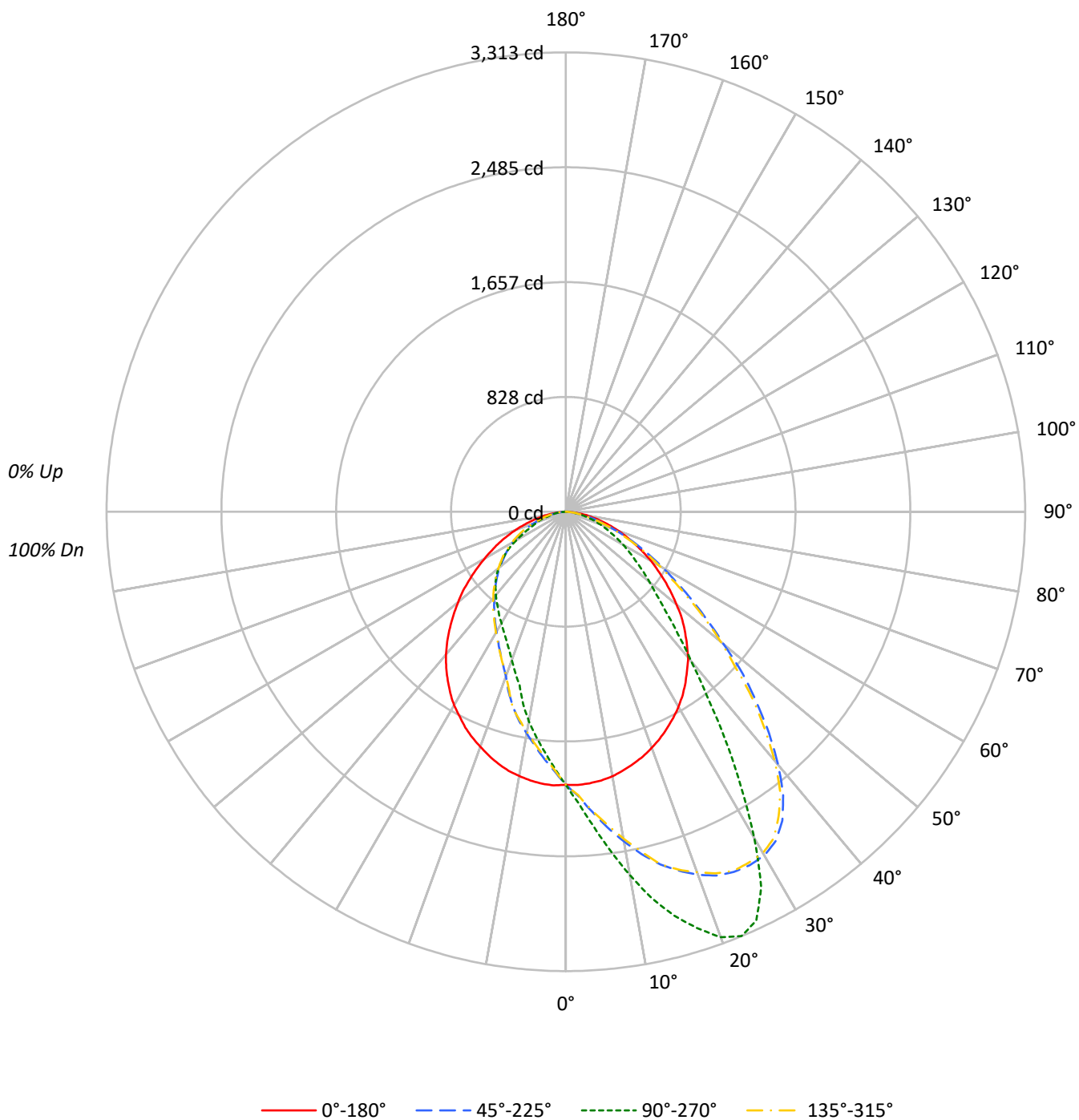
Lumens per Lamp: N/A  
Luminaire Lumens: 4977.0 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.3  
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

TEST NUMBER: P1000429

CATALOG NUMBER: SA4XXRDP-B1195DB27-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P1000429

CATALOG NUMBER: SA4XXRDP-B1195DB27-4F0-XX-W2A-A

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| 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 | 93  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |    |    |
| 3   | 93  | 83  | 76  | 70  | 90  | 81  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 73  | 69  | 65  | 63  |    |    |
| 4   | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 59  | 71  | 64  | 59  | 68  | 63  | 58  | 66  | 61  | 57  | 55  |    |    |
| 5   | 79  | 67  | 58  | 52  | 77  | 66  | 58  | 52  | 64  | 57  | 51  | 62  | 56  | 51  | 60  | 55  | 50  | 48  |    |    |
| 6   | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 43  |    |    |
| 7   | 68  | 55  | 47  | 41  | 66  | 54  | 47  | 41  | 53  | 46  | 41  | 52  | 45  | 40  | 50  | 44  | 40  | 38  |    |    |
| 8   | 64  | 51  | 42  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |    |    |
| 9   | 59  | 47  | 39  | 33  | 58  | 46  | 38  | 33  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |    |    |
| 10  | 56  | 43  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 30  | 28  |    |    |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 16055 | 16055 | 16055 | 16055 |
| 5°  | 16090 | 18622 | 16116 | 14233 |
| 10° | 16040 | 22031 | 16026 | 12703 |
| 15° | 15885 | 25447 | 15885 | 10916 |
| 20° | 15722 | 28333 | 15640 | 9871  |
| 25° | 15516 | 29248 | 15445 | 9164  |
| 30° | 15297 | 25605 | 15178 | 8739  |
| 35° | 14972 | 19931 | 14783 | 8480  |
| 40° | 14608 | 14945 | 14321 | 8342  |
| 45° | 13978 | 11801 | 13630 | 8270  |
| 50° | 13223 | 9962  | 12861 | 8030  |
| 55° | 12406 | 8684  | 11999 | 7600  |
| 60° | 11592 | 7814  | 11074 | 6727  |
| 65° | 10560 | 6888  | 10224 | 5785  |
| 70° | 9647  | 6204  | 9191  | 5219  |
| 75° | 8649  | 5199  | 8047  | 4449  |
| 80° | 7448  | 4395  | 6781  | 4170  |
| 85° | 6082  | 3714  | 5043  | 3714  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 24004 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 190.6  | 3.8       |
| 10°-20°   | 575.7  | 11.6      |
| 20°-30°   | 901.8  | 18.1      |
| 30°-40°   | 1001.4 | 20.1      |
| 40°-50°   | 887.4  | 17.8      |
| 50°-60°   | 691.6  | 13.9      |
| 60°-70°   | 452.4  | 9.1       |
| 70°-80°   | 222.0  | 4.5       |
| 80°-90°   | 54.1   | 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°    | 1668.2 | 33.5      |
| 0°-40°    | 2669.6 | 53.6      |
| 0°-60°    | 4248.6 | 85.4      |
| 0°-90°    | 4977.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4977.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1969 | 1969 | 1969 | 1969 | 1969 |      |
| 5°  | 1966 | 2275 | 1969 | 1739 | 1966 | 187  |
| 15° | 1882 | 3014 | 1882 | 1293 | 1882 | 531  |
| 25° | 1724 | 3251 | 1717 | 1018 | 1724 | 795  |
| 35° | 1504 | 2002 | 1485 | 852  | 1504 | 940  |
| 45° | 1212 | 1023 | 1182 | 717  | 1212 | 935  |
| 55° | 873  | 611  | 844  | 535  | 873  | 780  |
| 65° | 547  | 357  | 530  | 300  | 547  | 546  |
| 75° | 274  | 165  | 255  | 141  | 274  | 291  |
| 85° | 65   | 40   | 54   | 40   | 65   | 78   |
| 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°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 1972.0 | 1989.5 | 1999.0 | 2006.9 | 2022.8 | 2029.1 | 2041.8 | 2045.0 | 2057.7 | 2056.1 | 2051.3 |
| 5°    | 1965.7 | 1995.8 | 2018.0 | 2041.8 | 2070.4 | 2086.2 | 2103.7 | 2129.1 | 2141.8 | 2159.2 | 2170.3 |
| 7.5°  | 1954.6 | 1995.8 | 2032.3 | 2068.8 | 2114.8 | 2140.2 | 2162.4 | 2202.1 | 2235.4 | 2263.9 | 2295.7 |
| 10°   | 1937.1 | 1989.5 | 2043.4 | 2092.6 | 2156.0 | 2186.2 | 2219.5 | 2278.2 | 2324.2 | 2363.9 | 2414.6 |
| 12.5° | 1910.1 | 1983.1 | 2043.4 | 2110.0 | 2191.0 | 2232.2 | 2276.6 | 2346.4 | 2400.4 | 2465.4 | 2528.9 |
| 15°   | 1881.6 | 1962.5 | 2041.8 | 2129.1 | 2221.1 | 2268.7 | 2313.1 | 2406.7 | 2489.2 | 2563.8 | 2633.6 |
| 17.5° | 1849.9 | 1938.7 | 2026.0 | 2122.7 | 2233.8 | 2292.5 | 2344.8 | 2457.5 | 2547.9 | 2644.7 | 2714.5 |
| 20°   | 1811.8 | 1908.6 | 2008.5 | 2116.4 | 2241.7 | 2306.8 | 2365.5 | 2494.0 | 2593.9 | 2698.6 | 2785.9 |
| 22.5° | 1770.5 | 1875.2 | 1984.7 | 2102.1 | 2232.2 | 2303.6 | 2371.8 | 2509.8 | 2625.7 | 2722.4 | 2839.8 |
| 25°   | 1724.5 | 1835.6 | 1948.2 | 2072.0 | 2217.9 | 2295.7 | 2365.5 | 2501.9 | 2625.7 | 2752.6 | 2866.8 |
| 27.5° | 1676.9 | 1791.2 | 1908.6 | 2038.6 | 2187.8 | 2263.9 | 2343.3 | 2474.9 | 2619.3 | 2757.3 | 2873.1 |
| 30°   | 1624.6 | 1735.6 | 1859.4 | 1983.1 | 2141.8 | 2217.9 | 2298.8 | 2441.6 | 2598.7 | 2736.7 | 2862.0 |
| 32.5° | 1567.5 | 1681.7 | 1799.1 | 1927.6 | 2083.1 | 2165.6 | 2240.1 | 2402.0 | 2562.2 | 2698.6 | 2816.0 |
| 35°   | 1504.0 | 1611.9 | 1722.9 | 1854.6 | 2008.5 | 2083.1 | 2171.9 | 2340.1 | 2501.9 | 2646.3 | 2722.4 |
| 37.5° | 1435.8 | 1538.9 | 1642.0 | 1772.1 | 1919.7 | 2010.1 | 2097.3 | 2267.1 | 2438.4 | 2535.2 | 2574.9 |
| 40°   | 1372.3 | 1462.7 | 1553.2 | 1678.5 | 1827.6 | 1921.2 | 2010.1 | 2186.2 | 2336.9 | 2411.5 | 2381.3 |
| 42.5° | 1291.4 | 1385.0 | 1465.9 | 1581.7 | 1732.5 | 1819.7 | 1910.1 | 2092.6 | 2214.7 | 2244.9 | 2170.3 |
| 45°   | 1212.1 | 1289.8 | 1367.6 | 1480.2 | 1638.9 | 1713.4 | 1810.2 | 1979.9 | 2081.5 | 2054.5 | 1945.0 |
| 47.5° | 1134.3 | 1197.8 | 1270.8 | 1380.3 | 1523.0 | 1611.9 | 1702.3 | 1849.9 | 1921.2 | 1883.2 | 1730.9 |
| 50°   | 1042.3 | 1105.8 | 1181.9 | 1277.1 | 1415.2 | 1500.8 | 1572.2 | 1708.7 | 1762.6 | 1669.0 | 1485.0 |
| 52.5° | 955.1  | 1010.6 | 1075.6 | 1164.5 | 1296.2 | 1373.9 | 1451.6 | 1569.0 | 1586.5 | 1478.6 | 1285.1 |
| 55°   | 872.6  | 917.0  | 985.2  | 1056.6 | 1177.2 | 1259.7 | 1313.6 | 1413.6 | 1408.8 | 1274.0 | 1107.4 |
| 57.5° | 786.9  | 828.2  | 874.2  | 948.7  | 1063.0 | 1124.8 | 1183.5 | 1270.8 | 1224.8 | 1110.5 | 945.6  |
| 60°   | 710.8  | 734.5  | 780.6  | 851.9  | 948.7  | 1002.7 | 1048.7 | 1096.3 | 1056.6 | 932.9  | 805.9  |
| 62.5° | 626.7  | 653.6  | 687.0  | 744.1  | 829.7  | 880.5  | 913.8  | 934.4  | 893.2  | 798.0  | 682.2  |
| 65°   | 547.3  | 571.1  | 606.0  | 656.8  | 721.9  | 759.9  | 777.4  | 791.7  | 769.5  | 661.6  | 569.6  |
| 67.5° | 475.9  | 491.8  | 523.5  | 556.9  | 626.7  | 636.2  | 660.0  | 666.3  | 621.9  | 539.4  | 466.4  |
| 70°   | 404.6  | 420.4  | 434.7  | 474.4  | 506.1  | 523.5  | 528.3  | 528.3  | 483.9  | 429.9  | 369.7  |
| 72.5° | 337.9  | 347.4  | 361.7  | 388.7  | 406.1  | 418.8  | 425.2  | 417.2  | 376.0  | 331.6  | 287.2  |
| 75°   | 274.5  | 279.2  | 291.9  | 309.4  | 323.6  | 318.9  | 317.3  | 307.8  | 277.6  | 245.9  | 220.5  |
| 77.5° | 211.0  | 214.2  | 228.5  | 233.2  | 233.2  | 238.0  | 231.6  | 222.1  | 196.7  | 172.9  | 161.8  |
| 80°   | 158.6  | 163.4  | 165.0  | 168.2  | 165.0  | 165.0  | 160.2  | 144.4  | 131.7  | 120.6  | 112.6  |
| 82.5° | 109.5  | 112.6  | 114.2  | 109.5  | 112.6  | 107.9  | 99.9   | 88.8   | 80.9   | 79.3   | 76.2   |
| 85°   | 65.0   | 66.6   | 65.0   | 65.0   | 60.3   | 58.7   | 52.4   | 50.8   | 47.6   | 47.6   | 46.0   |
| 87.5° | 31.7   | 30.1   | 27.0   | 23.8   | 23.8   | 22.2   | 23.8   | 20.6   | 23.8   | 22.2   | 20.6   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 2064.0 | 2081.5 | 2083.1 | 2098.9 | 2094.2 | 2086.2 | 2100.5 | 2091.0 | 2110.0 | 2103.7 | 2111.6 |
| 5°    | 2184.6 | 2208.4 | 2229.0 | 2241.7 | 2263.9 | 2259.2 | 2283.0 | 2275.0 | 2292.5 | 2275.0 | 2297.2 |
| 7.5°  | 2325.8 | 2365.5 | 2386.1 | 2419.4 | 2428.9 | 2430.5 | 2459.1 | 2465.4 | 2476.5 | 2465.4 | 2478.1 |
| 10°   | 2463.8 | 2511.4 | 2559.0 | 2586.0 | 2603.4 | 2627.2 | 2652.6 | 2663.7 | 2671.7 | 2660.6 | 2668.5 |
| 12.5° | 2589.2 | 2663.7 | 2716.1 | 2770.0 | 2782.7 | 2803.3 | 2830.3 | 2827.1 | 2858.9 | 2852.5 | 2866.8 |
| 15°   | 2705.0 | 2787.5 | 2850.9 | 2893.8 | 2928.7 | 2946.1 | 2996.9 | 3000.1 | 2998.5 | 3014.3 | 3004.8 |
| 17.5° | 2808.1 | 2877.9 | 2968.3 | 3023.9 | 3066.7 | 3066.7 | 3095.3 | 3154.0 | 3149.2 | 3147.6 | 3157.1 |
| 20°   | 2892.2 | 2971.5 | 3055.6 | 3149.2 | 3184.1 | 3190.4 | 3230.1 | 3260.2 | 3265.0 | 3265.0 | 3265.0 |
| 22.5° | 2955.6 | 3049.2 | 3139.7 | 3206.3 | 3233.3 | 3255.5 | 3290.4 | 3309.4 | 3315.8 | 3312.6 | 3315.8 |
| 25°   | 2987.4 | 3076.2 | 3168.2 | 3228.5 | 3244.4 | 3257.1 | 3260.2 | 3271.4 | 3269.8 | 3250.7 | 3261.8 |
| 27.5° | 2993.7 | 3079.4 | 3139.7 | 3155.5 | 3147.6 | 3139.7 | 3088.9 | 3093.7 | 3079.4 | 3050.8 | 3061.9 |
| 30°   | 2965.2 | 3011.2 | 3009.6 | 2960.4 | 2946.1 | 2912.8 | 2866.8 | 2798.6 | 2743.1 | 2719.3 | 2727.2 |
| 32.5° | 2862.0 | 2862.0 | 2804.9 | 2693.9 | 2644.7 | 2584.4 | 2501.9 | 2440.0 | 2367.1 | 2351.2 | 2381.3 |
| 35°   | 2719.3 | 2638.3 | 2533.6 | 2387.7 | 2313.1 | 2268.7 | 2125.9 | 2081.5 | 2019.6 | 2002.2 | 2016.4 |
| 37.5° | 2497.1 | 2362.3 | 2210.0 | 2073.6 | 2010.1 | 1930.8 | 1805.4 | 1742.0 | 1697.6 | 1667.4 | 1681.7 |
| 40°   | 2248.1 | 2084.7 | 1926.0 | 1757.8 | 1688.0 | 1623.0 | 1529.4 | 1472.3 | 1400.9 | 1404.0 | 1408.8 |
| 42.5° | 2010.1 | 1818.1 | 1640.4 | 1485.0 | 1418.3 | 1364.4 | 1299.3 | 1229.5 | 1204.2 | 1196.2 | 1188.3 |
| 45°   | 1757.8 | 1553.2 | 1386.6 | 1270.8 | 1210.5 | 1159.7 | 1099.4 | 1059.8 | 1029.6 | 1023.3 | 1031.2 |
| 47.5° | 1519.9 | 1346.9 | 1188.3 | 1080.4 | 1031.2 | 1005.8 | 958.2  | 921.8  | 902.7  | 886.9  | 896.4  |
| 50°   | 1304.1 | 1142.3 | 1015.4 | 924.9  | 890.0  | 872.6  | 828.2  | 809.1  | 790.1  | 785.3  | 783.7  |
| 52.5° | 1126.4 | 988.4  | 878.9  | 805.9  | 779.0  | 769.5  | 736.1  | 709.2  | 693.3  | 698.1  | 701.2  |
| 55°   | 964.6  | 847.2  | 761.5  | 702.8  | 680.6  | 669.5  | 645.7  | 626.7  | 615.6  | 610.8  | 614.0  |
| 57.5° | 821.8  | 720.3  | 658.4  | 610.8  | 593.3  | 588.6  | 563.2  | 556.9  | 548.9  | 544.2  | 544.2  |
| 60°   | 691.7  | 620.3  | 563.2  | 536.2  | 517.2  | 512.4  | 493.4  | 485.5  | 483.9  | 479.1  | 475.9  |
| 62.5° | 582.2  | 523.5  | 483.9  | 455.3  | 447.4  | 445.8  | 433.1  | 423.6  | 418.8  | 415.7  | 415.7  |
| 65°   | 487.1  | 444.2  | 410.9  | 390.3  | 383.9  | 380.8  | 366.5  | 363.3  | 360.1  | 357.0  | 355.4  |
| 67.5° | 406.1  | 368.1  | 344.3  | 330.0  | 322.1  | 323.6  | 315.7  | 309.4  | 309.4  | 307.8  | 306.2  |
| 70°   | 328.4  | 304.6  | 284.0  | 276.1  | 272.9  | 269.7  | 266.5  | 261.8  | 260.2  | 260.2  | 260.2  |
| 72.5° | 258.6  | 242.7  | 231.6  | 226.9  | 223.7  | 220.5  | 217.3  | 217.3  | 217.3  | 215.8  | 215.8  |
| 75°   | 198.3  | 192.0  | 184.0  | 179.3  | 179.3  | 182.4  | 177.7  | 172.9  | 168.2  | 165.0  | 166.6  |
| 77.5° | 149.1  | 146.0  | 141.2  | 133.3  | 134.9  | 131.7  | 131.7  | 128.5  | 130.1  | 130.1  | 126.9  |
| 80°   | 109.5  | 104.7  | 103.1  | 98.4   | 99.9   | 98.4   | 96.8   | 96.8   | 93.6   | 93.6   | 93.6   |
| 82.5° | 76.2   | 71.4   | 71.4   | 69.8   | 68.2   | 68.2   | 66.6   | 66.6   | 68.2   | 65.0   | 65.0   |
| 85°   | 46.0   | 44.4   | 44.4   | 41.2   | 41.2   | 41.2   | 41.2   | 42.8   | 41.2   | 39.7   | 39.7   |
| 87.5° | 20.6   | 22.2   | 20.6   | 19.0   | 19.0   | 19.0   | 17.5   | 17.5   | 15.9   | 17.5   | 17.5   |
| 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°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 2116.4 | 2105.3 | 2103.7 | 2103.7 | 2086.2 | 2095.8 | 2076.7 | 2056.1 | 2046.6 | 2046.6 | 2029.1 |
| 5°    | 2292.5 | 2281.4 | 2270.3 | 2252.8 | 2252.8 | 2243.3 | 2213.2 | 2183.0 | 2160.8 | 2141.8 | 2121.1 |
| 7.5°  | 2473.3 | 2462.2 | 2430.5 | 2413.1 | 2422.6 | 2403.5 | 2363.9 | 2313.1 | 2275.0 | 2244.9 | 2202.1 |
| 10°   | 2670.1 | 2639.9 | 2624.1 | 2614.5 | 2581.2 | 2560.6 | 2514.6 | 2440.0 | 2392.4 | 2352.8 | 2297.2 |
| 12.5° | 2830.3 | 2839.8 | 2779.5 | 2784.3 | 2751.0 | 2722.4 | 2651.0 | 2579.6 | 2508.2 | 2452.7 | 2370.2 |
| 15°   | 3003.2 | 2974.7 | 2938.2 | 2909.6 | 2898.5 | 2863.6 | 2803.3 | 2708.1 | 2630.4 | 2543.2 | 2449.5 |
| 17.5° | 3139.7 | 3117.5 | 3082.6 | 3055.6 | 3031.8 | 2947.7 | 2896.9 | 2812.9 | 2706.6 | 2620.9 | 2506.7 |
| 20°   | 3255.5 | 3234.9 | 3185.7 | 3168.2 | 3125.4 | 3065.1 | 2992.1 | 2862.0 | 2766.8 | 2673.2 | 2562.2 |
| 22.5° | 3304.7 | 3284.0 | 3241.2 | 3219.0 | 3192.0 | 3133.3 | 3063.5 | 2939.8 | 2822.4 | 2705.0 | 2587.6 |
| 25°   | 3263.4 | 3263.4 | 3242.8 | 3234.9 | 3211.1 | 3158.7 | 3087.3 | 2982.6 | 2857.3 | 2730.4 | 2590.7 |
| 27.5° | 3063.5 | 3103.2 | 3117.5 | 3125.4 | 3125.4 | 3127.0 | 3077.8 | 2976.3 | 2854.1 | 2730.4 | 2584.4 |
| 30°   | 2774.8 | 2841.4 | 2900.1 | 2917.6 | 2947.7 | 2981.0 | 3001.7 | 2952.5 | 2843.0 | 2712.9 | 2567.0 |
| 32.5° | 2411.5 | 2497.1 | 2606.6 | 2633.6 | 2674.8 | 2774.8 | 2830.3 | 2850.9 | 2790.6 | 2676.4 | 2520.9 |
| 35°   | 2049.8 | 2157.6 | 2224.3 | 2306.8 | 2344.8 | 2492.4 | 2616.1 | 2690.7 | 2676.4 | 2608.2 | 2467.0 |
| 37.5° | 1734.0 | 1795.9 | 1876.8 | 1964.1 | 2040.2 | 2181.4 | 2335.3 | 2479.7 | 2538.4 | 2505.1 | 2398.8 |
| 40°   | 1431.0 | 1504.0 | 1600.8 | 1672.2 | 1724.5 | 1865.7 | 2056.1 | 2213.2 | 2341.7 | 2362.3 | 2297.2 |
| 42.5° | 1216.8 | 1289.8 | 1348.5 | 1426.3 | 1467.5 | 1603.9 | 1772.1 | 1968.8 | 2121.1 | 2202.1 | 2173.5 |
| 45°   | 1051.8 | 1096.3 | 1143.9 | 1188.3 | 1239.1 | 1359.6 | 1515.1 | 1730.9 | 1902.2 | 2016.4 | 2027.5 |
| 47.5° | 907.5  | 947.1  | 988.4  | 1029.6 | 1058.2 | 1151.8 | 1294.6 | 1470.7 | 1657.9 | 1815.0 | 1876.8 |
| 50°   | 805.9  | 825.0  | 855.1  | 878.9  | 912.2  | 993.1  | 1107.4 | 1259.7 | 1458.0 | 1627.7 | 1708.7 |
| 52.5° | 706.0  | 729.8  | 753.6  | 774.2  | 796.4  | 853.5  | 958.2  | 1089.9 | 1261.3 | 1435.8 | 1535.7 |
| 55°   | 621.9  | 640.9  | 663.2  | 677.4  | 690.1  | 740.9  | 820.2  | 921.8  | 1069.3 | 1234.3 | 1358.0 |
| 57.5° | 553.7  | 561.6  | 580.7  | 588.6  | 602.9  | 644.1  | 701.2  | 791.7  | 910.6  | 1070.9 | 1172.4 |
| 60°   | 479.1  | 495.0  | 509.3  | 515.6  | 526.7  | 555.3  | 594.9  | 679.0  | 782.1  | 899.5  | 1015.4 |
| 62.5° | 418.8  | 425.2  | 436.3  | 444.2  | 452.2  | 482.3  | 515.6  | 579.1  | 656.8  | 755.2  | 861.5  |
| 65°   | 363.3  | 366.5  | 372.8  | 383.9  | 388.7  | 410.9  | 429.9  | 475.9  | 548.9  | 623.5  | 729.8  |
| 67.5° | 306.2  | 309.4  | 317.3  | 323.6  | 328.4  | 342.7  | 363.3  | 396.6  | 436.3  | 518.8  | 577.5  |
| 70°   | 261.8  | 261.8  | 266.5  | 269.7  | 274.5  | 280.8  | 291.9  | 317.3  | 353.8  | 406.1  | 460.1  |
| 72.5° | 218.9  | 218.9  | 218.9  | 223.7  | 223.7  | 228.5  | 234.8  | 252.3  | 277.6  | 318.9  | 353.8  |
| 75°   | 169.8  | 171.3  | 174.5  | 174.5  | 176.1  | 182.4  | 187.2  | 192.0  | 204.7  | 231.6  | 263.4  |
| 77.5° | 128.5  | 131.7  | 133.3  | 130.1  | 133.3  | 133.3  | 139.6  | 146.0  | 152.3  | 160.2  | 184.0  |
| 80°   | 95.2   | 96.8   | 93.6   | 95.2   | 95.2   | 98.4   | 101.5  | 99.9   | 103.1  | 112.6  | 119.0  |
| 82.5° | 63.5   | 65.0   | 65.0   | 65.0   | 65.0   | 69.8   | 69.8   | 68.2   | 69.8   | 71.4   | 73.0   |
| 85°   | 39.7   | 38.1   | 38.1   | 39.7   | 38.1   | 38.1   | 39.7   | 41.2   | 39.7   | 41.2   | 42.8   |
| 87.5° | 17.5   | 17.5   | 17.5   | 17.5   | 15.9   | 15.9   | 17.5   | 15.9   | 17.5   | 15.9   | 14.3   |
| 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°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 2019.6 | 2011.7 | 2006.9 | 2005.3 | 1991.1 | 1983.1 | 1978.4 | 1975.2 | 1970.4 | 1957.7 | 1946.6 |
| 5°    | 2095.8 | 2073.6 | 2062.4 | 2049.8 | 2027.5 | 2002.2 | 1981.5 | 1968.8 | 1953.0 | 1927.6 | 1903.8 |
| 7.5°  | 2167.2 | 2133.8 | 2111.6 | 2094.2 | 2056.1 | 2014.8 | 1981.5 | 1954.6 | 1924.4 | 1889.5 | 1856.2 |
| 10°   | 2241.7 | 2187.8 | 2159.2 | 2132.3 | 2076.7 | 2022.8 | 1975.2 | 1935.5 | 1892.7 | 1846.7 | 1810.2 |
| 12.5° | 2300.4 | 2229.0 | 2197.3 | 2159.2 | 2091.0 | 2027.5 | 1967.3 | 1913.3 | 1857.8 | 1808.6 | 1756.3 |
| 15°   | 2368.6 | 2279.8 | 2243.3 | 2194.1 | 2100.5 | 2018.0 | 1940.3 | 1881.6 | 1824.5 | 1751.5 | 1696.0 |
| 17.5° | 2408.3 | 2305.2 | 2252.8 | 2210.0 | 2108.5 | 2008.5 | 1918.1 | 1845.1 | 1778.5 | 1705.5 | 1646.8 |
| 20°   | 2448.0 | 2330.6 | 2271.9 | 2211.6 | 2091.0 | 1984.7 | 1889.5 | 1802.3 | 1732.5 | 1653.1 | 1592.8 |
| 22.5° | 2460.7 | 2324.2 | 2262.3 | 2206.8 | 2079.9 | 1960.9 | 1851.4 | 1762.6 | 1681.7 | 1602.4 | 1534.1 |
| 25°   | 2460.7 | 2322.6 | 2249.7 | 2178.3 | 2045.0 | 1922.8 | 1813.4 | 1716.6 | 1626.2 | 1546.8 | 1478.6 |
| 27.5° | 2435.3 | 2290.9 | 2214.7 | 2149.7 | 2011.7 | 1880.0 | 1767.4 | 1661.1 | 1573.8 | 1494.5 | 1416.7 |
| 30°   | 2403.5 | 2244.9 | 2168.7 | 2091.0 | 1957.7 | 1832.4 | 1710.2 | 1611.9 | 1519.9 | 1429.4 | 1359.6 |
| 32.5° | 2363.9 | 2195.7 | 2111.6 | 2032.3 | 1891.1 | 1761.0 | 1648.4 | 1551.6 | 1464.3 | 1370.7 | 1293.0 |
| 35°   | 2306.8 | 2122.7 | 2029.1 | 1959.3 | 1822.9 | 1688.0 | 1580.1 | 1485.0 | 1400.9 | 1304.1 | 1220.0 |
| 37.5° | 2233.8 | 2056.1 | 1960.9 | 1875.2 | 1734.0 | 1610.3 | 1508.8 | 1416.7 | 1334.2 | 1245.4 | 1151.8 |
| 40°   | 2148.1 | 1962.5 | 1880.0 | 1789.6 | 1640.4 | 1523.0 | 1427.8 | 1345.3 | 1262.9 | 1178.8 | 1088.3 |
| 42.5° | 2051.3 | 1867.3 | 1775.3 | 1688.0 | 1545.2 | 1429.4 | 1340.6 | 1266.0 | 1189.9 | 1112.1 | 1015.4 |
| 45°   | 1935.5 | 1762.6 | 1673.8 | 1591.3 | 1453.2 | 1334.2 | 1253.3 | 1181.9 | 1116.9 | 1037.6 | 951.9  |
| 47.5° | 1805.4 | 1654.7 | 1564.3 | 1475.4 | 1340.6 | 1237.5 | 1158.1 | 1097.9 | 1042.3 | 963.0  | 885.3  |
| 50°   | 1678.5 | 1529.4 | 1456.4 | 1366.0 | 1242.2 | 1145.5 | 1064.5 | 1013.8 | 970.9  | 893.2  | 823.4  |
| 52.5° | 1518.3 | 1405.6 | 1335.8 | 1258.1 | 1139.1 | 1040.7 | 977.3  | 932.9  | 882.1  | 821.8  | 759.9  |
| 55°   | 1377.1 | 1272.4 | 1216.8 | 1143.9 | 1026.5 | 939.2  | 885.3  | 844.0  | 804.4  | 750.4  | 701.2  |
| 57.5° | 1216.8 | 1151.8 | 1096.3 | 1032.8 | 917.0  | 842.4  | 794.8  | 759.9  | 723.4  | 679.0  | 639.4  |
| 60°   | 1048.7 | 1018.5 | 964.6  | 913.8  | 815.5  | 750.4  | 710.8  | 679.0  | 644.1  | 607.6  | 574.3  |
| 62.5° | 899.5  | 882.1  | 850.4  | 810.7  | 718.7  | 663.2  | 623.5  | 599.7  | 574.3  | 541.0  | 509.3  |
| 65°   | 758.3  | 750.4  | 720.3  | 691.7  | 628.3  | 579.1  | 544.2  | 529.9  | 501.3  | 475.9  | 447.4  |
| 67.5° | 633.0  | 623.5  | 606.0  | 593.3  | 539.4  | 493.4  | 475.9  | 456.9  | 433.1  | 414.1  | 390.3  |
| 70°   | 506.1  | 504.5  | 493.4  | 477.5  | 449.0  | 415.7  | 398.2  | 385.5  | 361.7  | 347.4  | 330.0  |
| 72.5° | 393.5  | 401.4  | 391.9  | 385.5  | 366.5  | 342.7  | 326.8  | 318.9  | 299.8  | 288.7  | 276.1  |
| 75°   | 293.5  | 299.8  | 304.6  | 293.5  | 288.7  | 277.6  | 263.4  | 255.4  | 245.9  | 230.0  | 225.3  |
| 77.5° | 199.9  | 214.2  | 214.2  | 217.3  | 218.9  | 212.6  | 201.5  | 195.1  | 184.0  | 180.9  | 174.5  |
| 80°   | 131.7  | 144.4  | 146.0  | 149.1  | 153.9  | 153.9  | 146.0  | 144.4  | 133.3  | 131.7  | 126.9  |
| 82.5° | 76.2   | 87.3   | 93.6   | 98.4   | 96.8   | 103.1  | 96.8   | 95.2   | 88.8   | 88.8   | 85.7   |
| 85°   | 41.2   | 42.8   | 46.0   | 49.2   | 52.4   | 55.5   | 55.5   | 53.9   | 52.4   | 50.8   | 47.6   |
| 87.5° | 15.9   | 15.9   | 17.5   | 15.9   | 17.5   | 20.6   | 22.2   | 22.2   | 20.6   | 19.0   | 15.9   |
| 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°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 1937.1 | 1933.9 | 1930.8 | 1918.1 | 1907.0 | 1887.9 | 1872.1 | 1865.7 | 1864.1 | 1865.7 | 1861.0 |
| 5°    | 1881.6 | 1880.0 | 1868.9 | 1846.7 | 1826.1 | 1803.8 | 1788.0 | 1772.1 | 1762.6 | 1762.6 | 1751.5 |
| 7.5°  | 1829.2 | 1818.1 | 1808.6 | 1780.0 | 1756.3 | 1726.1 | 1702.3 | 1688.0 | 1680.1 | 1662.6 | 1662.6 |
| 10°   | 1773.7 | 1757.8 | 1745.1 | 1718.2 | 1683.3 | 1653.1 | 1623.0 | 1605.5 | 1591.3 | 1578.6 | 1573.8 |
| 12.5° | 1718.2 | 1705.5 | 1681.7 | 1653.1 | 1618.2 | 1580.1 | 1548.4 | 1535.7 | 1502.4 | 1475.4 | 1477.0 |
| 15°   | 1665.8 | 1637.3 | 1626.2 | 1584.9 | 1543.7 | 1507.2 | 1461.2 | 1424.7 | 1397.7 | 1380.3 | 1358.0 |
| 17.5° | 1607.1 | 1578.6 | 1557.9 | 1523.0 | 1469.1 | 1412.0 | 1367.6 | 1318.4 | 1291.4 | 1261.3 | 1247.0 |
| 20°   | 1542.1 | 1518.3 | 1502.4 | 1446.9 | 1381.8 | 1313.6 | 1264.4 | 1234.3 | 1204.2 | 1181.9 | 1169.2 |
| 22.5° | 1486.5 | 1456.4 | 1437.4 | 1362.8 | 1291.4 | 1223.2 | 1185.1 | 1159.7 | 1134.3 | 1115.3 | 1109.0 |
| 25°   | 1415.2 | 1397.7 | 1351.7 | 1286.6 | 1199.4 | 1153.4 | 1120.1 | 1086.7 | 1072.5 | 1059.8 | 1045.5 |
| 27.5° | 1356.5 | 1313.6 | 1281.9 | 1196.2 | 1142.3 | 1089.9 | 1056.6 | 1031.2 | 1013.8 | 1001.1 | 990.0  |
| 30°   | 1283.5 | 1243.8 | 1199.4 | 1128.0 | 1078.8 | 1029.6 | 999.5  | 978.9  | 959.8  | 951.9  | 942.4  |
| 32.5° | 1207.3 | 1170.8 | 1128.0 | 1070.9 | 1010.6 | 972.5  | 948.7  | 926.5  | 913.8  | 905.9  | 894.8  |
| 35°   | 1139.1 | 1093.1 | 1064.5 | 1010.6 | 961.4  | 918.6  | 896.4  | 877.3  | 863.1  | 859.9  | 858.3  |
| 37.5° | 1066.1 | 1031.2 | 1004.3 | 948.7  | 907.5  | 871.0  | 850.4  | 829.7  | 821.8  | 820.2  | 813.9  |
| 40°   | 1002.7 | 972.5  | 947.1  | 894.8  | 850.4  | 817.0  | 801.2  | 788.5  | 780.6  | 780.6  | 779.0  |
| 42.5° | 947.1  | 915.4  | 890.0  | 842.4  | 802.8  | 772.6  | 755.2  | 742.5  | 739.3  | 740.9  | 739.3  |
| 45°   | 885.3  | 858.3  | 832.9  | 783.7  | 750.4  | 728.2  | 709.2  | 702.8  | 698.1  | 699.6  | 701.2  |
| 47.5° | 826.6  | 804.4  | 779.0  | 739.3  | 701.2  | 677.4  | 666.3  | 660.0  | 660.0  | 660.0  | 663.2  |
| 50°   | 774.2  | 748.8  | 726.6  | 685.4  | 650.5  | 631.4  | 621.9  | 614.0  | 615.6  | 617.1  | 618.7  |
| 52.5° | 712.3  | 690.1  | 674.3  | 633.0  | 607.6  | 583.8  | 572.7  | 574.3  | 572.7  | 572.7  | 575.9  |
| 55°   | 658.4  | 636.2  | 620.3  | 582.2  | 556.9  | 541.0  | 531.5  | 526.7  | 528.3  | 525.1  | 531.5  |
| 57.5° | 598.1  | 579.1  | 568.0  | 531.5  | 509.3  | 495.0  | 487.1  | 479.1  | 482.3  | 480.7  | 479.1  |
| 60°   | 545.8  | 523.5  | 506.1  | 480.7  | 461.7  | 444.2  | 439.5  | 431.5  | 434.7  | 431.5  | 429.9  |
| 62.5° | 485.5  | 468.0  | 455.3  | 429.9  | 414.1  | 399.8  | 388.7  | 383.9  | 382.3  | 377.6  | 372.8  |
| 65°   | 425.2  | 415.7  | 403.0  | 377.6  | 361.7  | 350.6  | 344.3  | 339.5  | 337.9  | 325.2  | 311.0  |
| 67.5° | 369.7  | 363.3  | 350.6  | 331.6  | 317.3  | 306.2  | 296.7  | 288.7  | 279.2  | 269.7  | 261.8  |
| 70°   | 317.3  | 307.8  | 299.8  | 282.4  | 269.7  | 258.6  | 249.1  | 239.6  | 234.8  | 225.3  | 222.1  |
| 72.5° | 266.5  | 257.0  | 249.1  | 233.2  | 222.1  | 211.0  | 207.8  | 196.7  | 192.0  | 190.4  | 190.4  |
| 75°   | 214.2  | 206.2  | 201.5  | 187.2  | 177.7  | 169.8  | 165.0  | 161.8  | 158.6  | 155.5  | 150.7  |
| 77.5° | 163.4  | 158.6  | 155.5  | 146.0  | 138.0  | 133.3  | 131.7  | 120.6  | 117.4  | 114.2  | 111.1  |
| 80°   | 119.0  | 117.4  | 114.2  | 106.3  | 103.1  | 92.0   | 92.0   | 88.8   | 87.3   | 87.3   | 87.3   |
| 82.5° | 80.9   | 77.7   | 76.2   | 68.2   | 66.6   | 65.0   | 63.5   | 61.9   | 63.5   | 61.9   | 63.5   |
| 85°   | 42.8   | 41.2   | 39.7   | 39.7   | 39.7   | 39.7   | 39.7   | 39.7   | 39.7   | 38.1   | 39.7   |
| 87.5° | 15.9   | 15.9   | 15.9   | 15.9   | 14.3   | 15.9   | 15.9   | 14.3   | 15.9   | 15.9   | 15.9   |
| 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):**

|       | 247.5° | 250°   | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 292.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 1861.0 | 1867.3 | 1859.4 | 1864.1 | 1853.0 | 1851.4 | 1853.0 | 1853.0 | 1854.6 | 1856.2 | 1857.8 |
| 5°    | 1756.3 | 1754.7 | 1745.1 | 1738.8 | 1734.0 | 1738.8 | 1742.0 | 1745.1 | 1742.0 | 1745.1 | 1746.7 |
| 7.5°  | 1657.9 | 1653.1 | 1648.4 | 1637.3 | 1640.4 | 1637.3 | 1646.8 | 1642.0 | 1642.0 | 1650.0 | 1656.3 |
| 10°   | 1570.6 | 1561.1 | 1557.9 | 1545.2 | 1535.7 | 1534.1 | 1545.2 | 1550.0 | 1554.8 | 1557.9 | 1570.6 |
| 12.5° | 1458.0 | 1443.7 | 1432.6 | 1437.4 | 1410.4 | 1421.5 | 1424.7 | 1418.3 | 1437.4 | 1459.6 | 1446.9 |
| 15°   | 1337.4 | 1339.0 | 1316.8 | 1308.9 | 1286.6 | 1293.0 | 1294.6 | 1310.4 | 1326.3 | 1324.7 | 1343.8 |
| 17.5° | 1248.6 | 1239.1 | 1220.0 | 1218.4 | 1208.9 | 1213.7 | 1212.1 | 1224.8 | 1220.0 | 1227.9 | 1243.8 |
| 20°   | 1166.1 | 1159.7 | 1143.9 | 1137.5 | 1140.7 | 1137.5 | 1139.1 | 1140.7 | 1145.5 | 1162.9 | 1159.7 |
| 22.5° | 1101.0 | 1093.1 | 1093.1 | 1085.2 | 1075.6 | 1072.5 | 1080.4 | 1085.2 | 1091.5 | 1094.7 | 1102.6 |
| 25°   | 1043.9 | 1037.6 | 1029.6 | 1024.9 | 1016.9 | 1018.5 | 1023.3 | 1029.6 | 1034.4 | 1040.7 | 1047.1 |
| 27.5° | 985.2  | 985.2  | 977.3  | 975.7  | 972.5  | 970.9  | 977.3  | 980.5  | 980.5  | 985.2  | 991.6  |
| 30°   | 939.2  | 939.2  | 931.3  | 929.7  | 928.1  | 928.1  | 932.9  | 934.4  | 936.0  | 940.8  | 944.0  |
| 32.5° | 894.8  | 893.2  | 890.0  | 891.6  | 890.0  | 891.6  | 891.6  | 893.2  | 896.4  | 898.0  | 904.3  |
| 35°   | 853.5  | 855.1  | 851.9  | 851.9  | 850.4  | 851.9  | 855.1  | 856.7  | 858.3  | 861.5  | 861.5  |
| 37.5° | 813.9  | 817.0  | 815.5  | 820.2  | 820.2  | 820.2  | 820.2  | 823.4  | 823.4  | 823.4  | 821.8  |
| 40°   | 779.0  | 779.0  | 777.4  | 780.6  | 783.7  | 783.7  | 785.3  | 785.3  | 786.9  | 786.9  | 785.3  |
| 42.5° | 739.3  | 742.5  | 747.2  | 748.8  | 752.0  | 750.4  | 755.2  | 753.6  | 755.2  | 752.0  | 748.8  |
| 45°   | 702.8  | 702.8  | 709.2  | 715.5  | 717.1  | 717.1  | 717.1  | 720.3  | 717.1  | 712.3  | 710.8  |
| 47.5° | 663.2  | 666.3  | 669.5  | 677.4  | 679.0  | 679.0  | 679.0  | 679.0  | 675.8  | 675.8  | 675.8  |
| 50°   | 623.5  | 625.1  | 626.7  | 629.8  | 634.6  | 633.0  | 633.0  | 633.0  | 639.4  | 633.0  | 634.6  |
| 52.5° | 575.9  | 577.5  | 579.1  | 585.4  | 583.8  | 583.8  | 585.4  | 585.4  | 590.2  | 588.6  | 585.4  |
| 55°   | 528.3  | 528.3  | 531.5  | 531.5  | 531.5  | 534.6  | 536.2  | 539.4  | 537.8  | 539.4  | 541.0  |
| 57.5° | 480.7  | 477.5  | 475.9  | 475.9  | 480.7  | 479.1  | 480.7  | 480.7  | 487.1  | 490.2  | 491.8  |
| 60°   | 425.2  | 425.2  | 423.6  | 414.1  | 414.1  | 412.5  | 417.2  | 420.4  | 423.6  | 437.9  | 436.3  |
| 62.5° | 368.1  | 361.7  | 355.4  | 357.0  | 347.4  | 352.2  | 349.0  | 352.2  | 361.7  | 372.8  | 374.4  |
| 65°   | 311.0  | 306.2  | 299.8  | 298.3  | 295.1  | 299.8  | 298.3  | 299.8  | 304.6  | 311.0  | 318.9  |
| 67.5° | 260.2  | 258.6  | 255.4  | 253.8  | 253.8  | 253.8  | 257.0  | 257.0  | 258.6  | 263.4  | 268.1  |
| 70°   | 222.1  | 220.5  | 222.1  | 218.9  | 220.5  | 218.9  | 220.5  | 222.1  | 223.7  | 225.3  | 230.0  |
| 72.5° | 187.2  | 187.2  | 187.2  | 184.0  | 187.2  | 185.6  | 185.6  | 187.2  | 188.8  | 190.4  | 193.6  |
| 75°   | 149.1  | 146.0  | 142.8  | 139.6  | 138.0  | 141.2  | 142.8  | 141.2  | 146.0  | 152.3  | 152.3  |
| 77.5° | 112.6  | 111.1  | 111.1  | 111.1  | 112.6  | 111.1  | 114.2  | 112.6  | 114.2  | 114.2  | 117.4  |
| 80°   | 87.3   | 85.7   | 87.3   | 87.3   | 85.7   | 88.8   | 87.3   | 87.3   | 88.8   | 90.4   | 88.8   |
| 82.5° | 63.5   | 65.0   | 63.5   | 63.5   | 63.5   | 66.6   | 63.5   | 63.5   | 63.5   | 65.0   | 65.0   |
| 85°   | 39.7   | 39.7   | 39.7   | 39.7   | 41.2   | 39.7   | 41.2   | 39.7   | 42.8   | 41.2   | 41.2   |
| 87.5° | 14.3   | 15.9   | 17.5   | 17.5   | 17.5   | 17.5   | 15.9   | 17.5   | 19.0   | 17.5   | 19.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 337.5° | 340°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 1864.1 | 1872.1 | 1868.9 | 1857.8 | 1862.5 | 1872.1 | 1881.6 | 1894.3 | 1902.2 | 1908.6 | 1911.7 |
| 5°    | 1754.7 | 1768.9 | 1765.8 | 1765.8 | 1772.1 | 1788.0 | 1803.8 | 1830.8 | 1840.3 | 1851.4 | 1867.3 |
| 7.5°  | 1657.9 | 1669.0 | 1678.5 | 1681.7 | 1691.2 | 1711.8 | 1732.5 | 1762.6 | 1786.4 | 1799.1 | 1808.6 |
| 10°   | 1572.2 | 1580.1 | 1594.4 | 1602.4 | 1611.9 | 1637.3 | 1667.4 | 1699.1 | 1722.9 | 1745.1 | 1757.8 |
| 12.5° | 1462.7 | 1494.5 | 1513.5 | 1526.2 | 1538.9 | 1577.0 | 1600.8 | 1635.7 | 1664.2 | 1684.9 | 1703.9 |
| 15°   | 1340.6 | 1378.7 | 1389.8 | 1439.0 | 1470.7 | 1500.8 | 1537.3 | 1578.6 | 1605.5 | 1629.3 | 1654.7 |
| 17.5° | 1237.5 | 1264.4 | 1277.1 | 1329.5 | 1356.5 | 1404.0 | 1456.4 | 1508.8 | 1550.0 | 1567.5 | 1592.8 |
| 20°   | 1172.4 | 1186.7 | 1212.1 | 1229.5 | 1258.1 | 1313.6 | 1370.7 | 1434.2 | 1496.1 | 1513.5 | 1538.9 |
| 22.5° | 1105.8 | 1124.8 | 1142.3 | 1166.1 | 1188.3 | 1226.4 | 1283.5 | 1353.3 | 1419.9 | 1451.6 | 1481.8 |
| 25°   | 1045.5 | 1064.5 | 1075.6 | 1101.0 | 1121.7 | 1159.7 | 1199.4 | 1270.8 | 1350.1 | 1377.1 | 1424.7 |
| 27.5° | 997.9  | 1009.0 | 1028.0 | 1039.2 | 1063.0 | 1097.9 | 1134.3 | 1188.3 | 1266.0 | 1312.0 | 1358.0 |
| 30°   | 950.3  | 958.2  | 974.1  | 990.0  | 1007.4 | 1031.2 | 1072.5 | 1124.8 | 1196.2 | 1235.9 | 1281.9 |
| 32.5° | 902.7  | 915.4  | 924.9  | 936.0  | 955.1  | 983.6  | 1012.2 | 1063.0 | 1120.1 | 1164.5 | 1210.5 |
| 35°   | 863.1  | 867.8  | 880.5  | 893.2  | 905.9  | 931.3  | 961.4  | 1010.6 | 1061.4 | 1096.3 | 1137.5 |
| 37.5° | 820.2  | 828.2  | 837.7  | 842.4  | 863.1  | 878.9  | 910.6  | 948.7  | 1009.0 | 1031.2 | 1072.5 |
| 40°   | 786.9  | 785.3  | 794.8  | 802.8  | 812.3  | 837.7  | 856.7  | 898.0  | 945.6  | 980.5  | 1005.8 |
| 42.5° | 745.7  | 745.7  | 748.8  | 758.3  | 771.0  | 786.9  | 809.1  | 844.0  | 893.2  | 918.6  | 948.7  |
| 45°   | 712.3  | 707.6  | 709.2  | 715.5  | 723.4  | 739.3  | 761.5  | 791.7  | 840.8  | 861.5  | 893.2  |
| 47.5° | 672.7  | 667.9  | 667.9  | 674.3  | 680.6  | 691.7  | 709.2  | 744.1  | 783.7  | 810.7  | 834.5  |
| 50°   | 628.3  | 629.8  | 628.3  | 633.0  | 636.2  | 647.3  | 666.3  | 694.9  | 731.4  | 753.6  | 780.6  |
| 52.5° | 587.0  | 583.8  | 582.2  | 585.4  | 591.8  | 599.7  | 620.3  | 645.7  | 680.6  | 702.8  | 726.6  |
| 55°   | 536.2  | 539.4  | 539.4  | 539.4  | 548.9  | 552.1  | 568.0  | 593.3  | 628.3  | 645.7  | 667.9  |
| 57.5° | 490.2  | 488.6  | 491.8  | 490.2  | 498.2  | 509.3  | 522.0  | 541.0  | 575.9  | 593.3  | 614.0  |
| 60°   | 439.5  | 441.0  | 442.6  | 442.6  | 449.0  | 460.1  | 474.4  | 491.8  | 520.4  | 537.8  | 556.9  |
| 62.5° | 377.6  | 385.5  | 393.5  | 396.6  | 406.1  | 414.1  | 423.6  | 442.6  | 468.0  | 480.7  | 498.2  |
| 65°   | 318.9  | 330.0  | 341.1  | 349.0  | 355.4  | 363.3  | 376.0  | 393.5  | 414.1  | 426.8  | 444.2  |
| 67.5° | 268.1  | 276.1  | 290.3  | 298.3  | 311.0  | 320.5  | 328.4  | 342.7  | 368.1  | 372.8  | 387.1  |
| 70°   | 231.6  | 234.8  | 241.1  | 247.5  | 261.8  | 269.7  | 279.2  | 293.5  | 312.5  | 323.6  | 331.6  |
| 72.5° | 195.1  | 196.7  | 199.9  | 206.2  | 212.6  | 222.1  | 233.2  | 245.9  | 263.4  | 268.1  | 279.2  |
| 75°   | 155.5  | 165.0  | 165.0  | 169.8  | 174.5  | 179.3  | 188.8  | 201.5  | 212.6  | 220.5  | 226.9  |
| 77.5° | 115.8  | 120.6  | 123.7  | 131.7  | 138.0  | 142.8  | 149.1  | 158.6  | 165.0  | 171.3  | 176.1  |
| 80°   | 90.4   | 92.0   | 93.6   | 93.6   | 96.8   | 103.1  | 109.5  | 115.8  | 123.7  | 126.9  | 131.7  |
| 82.5° | 66.6   | 66.6   | 66.6   | 69.8   | 71.4   | 73.0   | 73.0   | 76.2   | 84.1   | 87.3   | 92.0   |
| 85°   | 42.8   | 42.8   | 42.8   | 42.8   | 44.4   | 46.0   | 47.6   | 49.2   | 49.2   | 49.2   | 52.4   |
| 87.5° | 17.5   | 20.6   | 19.0   | 20.6   | 20.6   | 20.6   | 20.6   | 22.2   | 22.2   | 23.8   | 23.8   |
| 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):**

|       | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|
| 0°    | 1968.8 | 1968.8 | 1968.8 | 1968.8 |
| 2.5°  | 1924.4 | 1933.9 | 1949.8 | 1972.0 |
| 5°    | 1880.0 | 1907.0 | 1932.4 | 1965.7 |
| 7.5°  | 1840.3 | 1872.1 | 1907.0 | 1954.6 |
| 10°   | 1794.3 | 1834.0 | 1878.4 | 1937.1 |
| 12.5° | 1740.4 | 1795.9 | 1846.7 | 1910.1 |
| 15°   | 1700.7 | 1742.0 | 1807.0 | 1881.6 |
| 17.5° | 1645.2 | 1700.7 | 1765.8 | 1849.9 |
| 20°   | 1592.8 | 1651.5 | 1724.5 | 1811.8 |
| 22.5° | 1537.3 | 1603.9 | 1676.9 | 1770.5 |
| 25°   | 1480.2 | 1551.6 | 1624.6 | 1724.5 |
| 27.5° | 1427.8 | 1492.9 | 1575.4 | 1676.9 |
| 30°   | 1364.4 | 1439.0 | 1518.3 | 1624.6 |
| 32.5° | 1302.5 | 1380.3 | 1461.2 | 1567.5 |
| 35°   | 1235.9 | 1313.6 | 1402.5 | 1504.0 |
| 37.5° | 1170.8 | 1256.5 | 1337.4 | 1435.8 |
| 40°   | 1099.4 | 1188.3 | 1272.4 | 1372.3 |
| 42.5° | 1029.6 | 1121.7 | 1205.7 | 1291.4 |
| 45°   | 964.6  | 1055.0 | 1131.2 | 1212.1 |
| 47.5° | 902.7  | 983.6  | 1061.4 | 1134.3 |
| 50°   | 842.4  | 910.6  | 982.0  | 1042.3 |
| 52.5° | 779.0  | 844.0  | 901.1  | 955.1  |
| 55°   | 721.9  | 772.6  | 823.4  | 872.6  |
| 57.5° | 653.6  | 704.4  | 748.8  | 786.9  |
| 60°   | 596.5  | 628.3  | 671.1  | 710.8  |
| 62.5° | 531.5  | 568.0  | 601.3  | 626.7  |
| 65°   | 468.0  | 499.7  | 525.1  | 547.3  |
| 67.5° | 414.1  | 433.1  | 452.2  | 475.9  |
| 70°   | 349.0  | 364.9  | 387.1  | 404.6  |
| 72.5° | 293.5  | 306.2  | 317.3  | 337.9  |
| 75°   | 238.0  | 249.1  | 255.4  | 274.5  |
| 77.5° | 184.0  | 195.1  | 199.9  | 211.0  |
| 80°   | 141.2  | 142.8  | 149.1  | 158.6  |
| 82.5° | 96.8   | 99.9   | 101.5  | 109.5  |
| 85°   | 55.5   | 63.5   | 61.9   | 65.0   |
| 87.5° | 23.8   | 25.4   | 28.6   | 31.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)