

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P228561

Luminaire Tested: **ISC-AF-1000-LED-E1-SLL-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-1000-LED-E1-SLL-7050  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

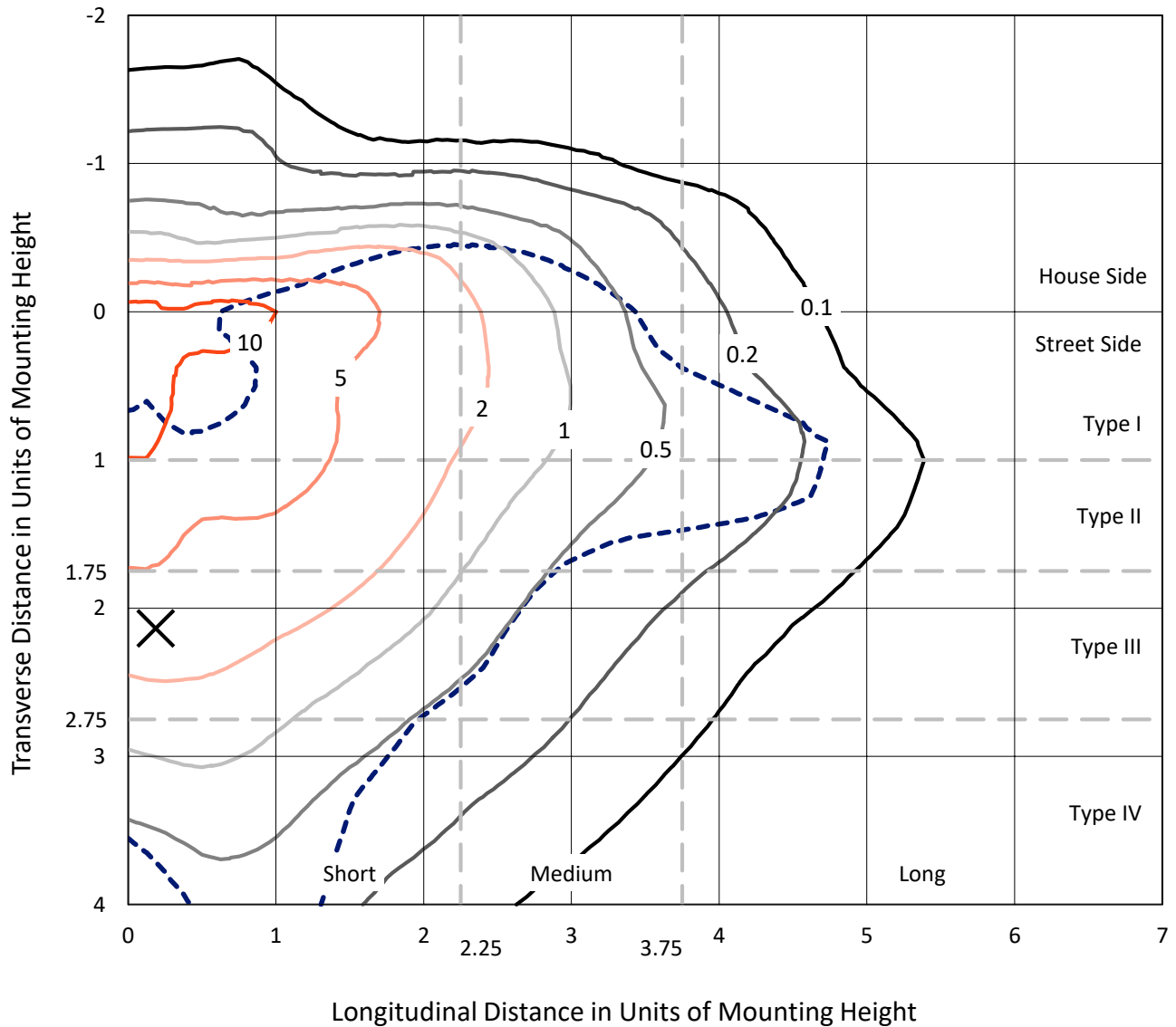
Lumens per Lamp: N/A  
Luminaire Lumens: 4823 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (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: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

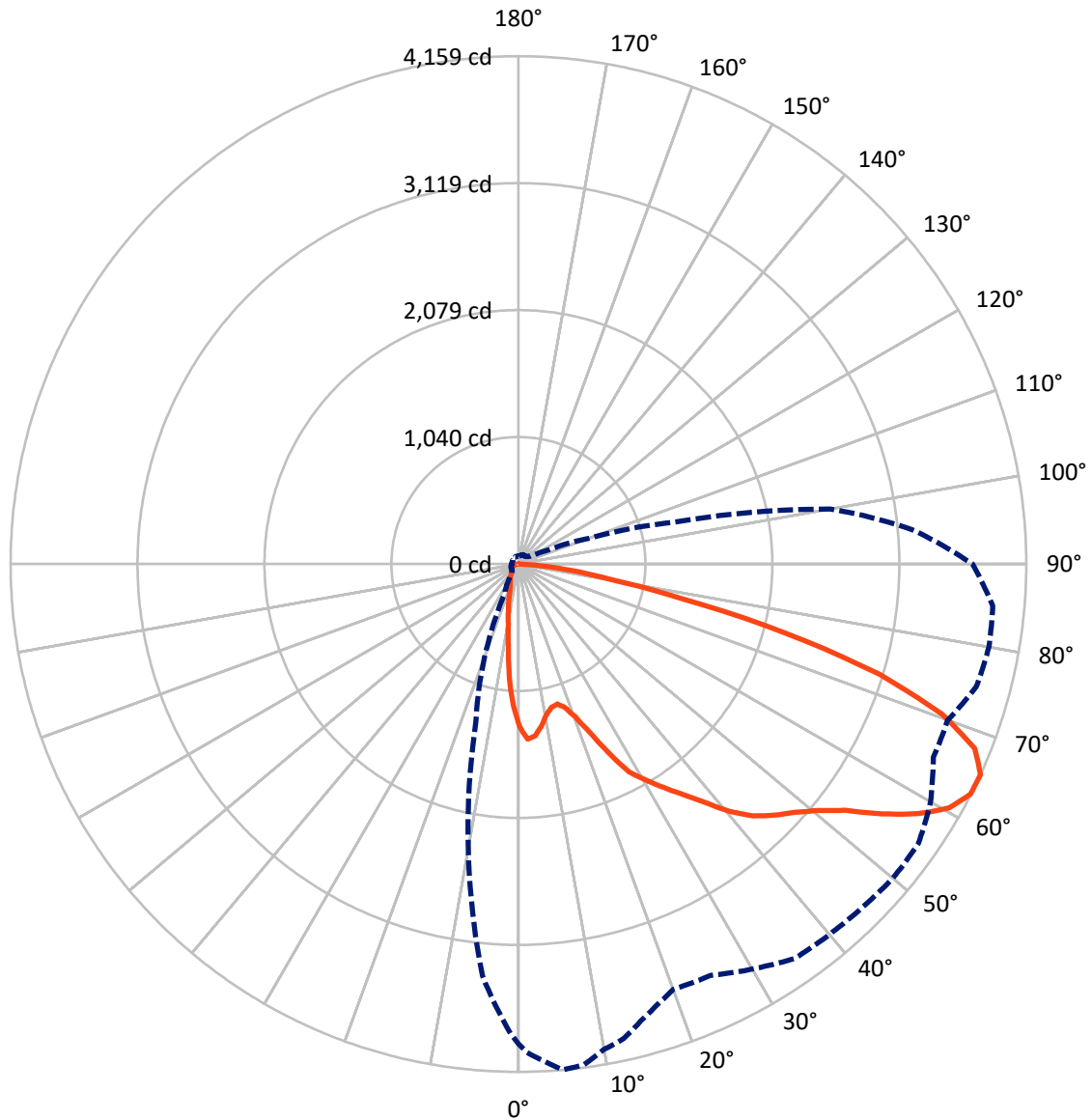
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 802.0    | 0.0    | 802.0  |
|                    | % Fixture | 16.6     | 0.0    | 16.6   |
| <b>Street Side</b> | Lumens    | 4021.0   | 0.0    | 4021.0 |
|                    | % Fixture | 83.4     | 0.0    | 83.4   |
| <b>Total</b>       | Lumens    | 4823.0   | 0.0    | 4823.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.5  | 2.1       |
| 10°-20°   | 211.2  | 4.4       |
| 20°-30°   | 307.0  | 6.4       |
| 30°-40°   | 454.0  | 9.4       |
| 40°-50°   | 661.6  | 13.7      |
| 50°-60°   | 991.7  | 20.6      |
| 60°-70°   | 1235.8 | 25.6      |
| 70°-80°   | 723.9  | 15.0      |
| 80°-90°   | 135.4  | 2.8       |
| 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°-90°    | 4823.0 | 100.0     |
| 0°-180°   | 4823.0 | 100.0     |



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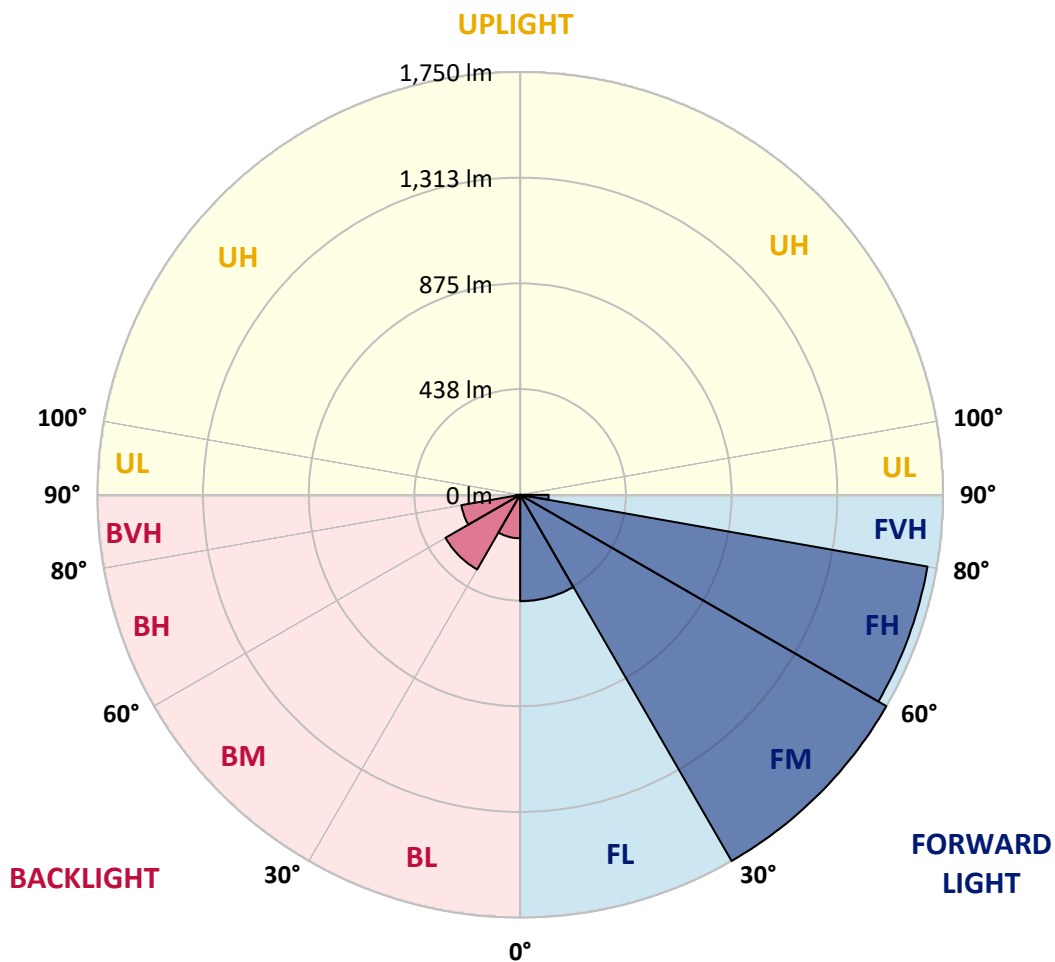
CATALOG NUMBER: ISC-AF-1000-LED-E1-SLL-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 440.6  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 1750.4 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 1712.2 | 35.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 117.9  | 2.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 180.1  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 356.9  | 7.4       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 247.5  | 5.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 17.4   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 25°    | 35°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |
| 2.5°  | 1416.8 | 1413.0 | 1435.9 | 1439.7 | 1455.0 | 1455.0 | 1472.2 | 1487.5 | 1493.2 | 1506.6 | 1540.9 |
| 5°    | 1371.0 | 1382.5 | 1414.9 | 1447.4 | 1470.3 | 1493.2 | 1518.0 | 1548.6 | 1573.4 | 1615.4 | 1703.2 |
| 7.5°  | 1269.8 | 1287.0 | 1342.4 | 1374.8 | 1411.1 | 1451.2 | 1481.7 | 1518.0 | 1556.2 | 1626.9 | 1783.4 |
| 10°   | 1170.5 | 1183.9 | 1254.5 | 1294.6 | 1346.2 | 1388.2 | 1432.1 | 1472.2 | 1514.2 | 1602.0 | 1783.4 |
| 12.5° | 1107.5 | 1124.7 | 1204.9 | 1243.1 | 1302.3 | 1346.2 | 1399.6 | 1447.4 | 1497.0 | 1590.6 | 1766.3 |
| 15°   | 1094.1 | 1113.2 | 1189.6 | 1237.3 | 1288.9 | 1330.9 | 1378.6 | 1428.3 | 1477.9 | 1569.6 | 1726.2 |
| 17.5° | 1130.4 | 1153.3 | 1235.4 | 1288.9 | 1329.0 | 1376.7 | 1411.1 | 1458.8 | 1491.3 | 1563.9 | 1638.3 |
| 20°   | 1216.3 | 1243.1 | 1340.4 | 1392.0 | 1424.5 | 1455.0 | 1481.7 | 1510.4 | 1523.8 | 1540.9 | 1527.6 |
| 22.5° | 1353.8 | 1386.3 | 1497.0 | 1556.2 | 1579.1 | 1602.0 | 1603.9 | 1607.8 | 1598.2 | 1552.4 | 1449.3 |
| 25°   | 1550.5 | 1582.9 | 1709.0 | 1766.3 | 1766.3 | 1766.3 | 1745.2 | 1730.0 | 1686.1 | 1600.1 | 1428.3 |
| 27.5° | 1733.8 | 1775.8 | 1926.6 | 1962.9 | 1951.5 | 1934.3 | 1894.2 | 1856.0 | 1793.0 | 1649.8 | 1426.4 |
| 30°   | 1871.3 | 1913.3 | 2052.7 | 2081.3 | 2052.7 | 2010.7 | 1947.7 | 1892.3 | 1817.8 | 1674.6 | 1439.7 |
| 32.5° | 1997.3 | 2046.9 | 2180.6 | 2184.4 | 2132.9 | 2085.1 | 2014.5 | 1951.5 | 1873.2 | 1720.4 | 1479.8 |
| 35°   | 2131.0 | 2180.6 | 2316.2 | 2289.4 | 2215.0 | 2150.1 | 2077.5 | 2022.1 | 1943.8 | 1779.6 | 1544.8 |
| 37.5° | 2316.2 | 2360.1 | 2474.7 | 2411.7 | 2316.2 | 2232.2 | 2153.9 | 2081.3 | 2003.0 | 1859.8 | 1653.6 |
| 40°   | 2495.7 | 2558.7 | 2663.7 | 2562.5 | 2446.0 | 2333.4 | 2247.4 | 2171.1 | 2085.1 | 1968.7 | 1793.0 |
| 42.5° | 2663.7 | 2722.9 | 2820.3 | 2690.4 | 2554.9 | 2442.2 | 2352.5 | 2270.4 | 2188.2 | 2092.8 | 1961.0 |
| 45°   | 2791.6 | 2852.7 | 2934.8 | 2797.4 | 2642.7 | 2526.2 | 2428.8 | 2356.3 | 2283.7 | 2218.8 | 2173.0 |
| 47.5° | 2915.8 | 2976.9 | 3039.9 | 2890.9 | 2738.2 | 2619.8 | 2505.2 | 2438.4 | 2381.1 | 2346.7 | 2402.1 |
| 50°   | 3076.1 | 3118.2 | 3171.6 | 3011.2 | 2848.9 | 2713.3 | 2598.8 | 2547.2 | 2493.8 | 2505.2 | 2690.4 |
| 52.5° | 3293.8 | 3330.1 | 3349.2 | 3192.6 | 3011.2 | 2856.6 | 2730.5 | 2659.9 | 2616.0 | 2682.8 | 2995.9 |
| 55°   | 3601.2 | 3652.8 | 3610.8 | 3456.1 | 3227.0 | 3051.3 | 2896.7 | 2812.6 | 2785.9 | 2875.7 | 3301.5 |
| 57.5° | 3866.7 | 3889.6 | 3859.0 | 3706.3 | 3471.4 | 3274.7 | 3110.5 | 3022.7 | 2992.1 | 3110.5 | 3580.2 |
| 60°   | 3983.1 | 4011.8 | 4053.8 | 3922.0 | 3702.4 | 3507.7 | 3366.4 | 3280.5 | 3228.9 | 3366.4 | 3803.7 |
| 62.5° | 4002.2 | 4050.0 | 4153.1 | 4086.3 | 3912.5 | 3767.4 | 3639.4 | 3521.0 | 3481.0 | 3586.0 | 3950.7 |
| 65°   | 3927.8 | 4000.3 | 4158.8 | 4134.0 | 4036.6 | 3981.2 | 3874.3 | 3782.6 | 3706.3 | 3717.7 | 3943.0 |
| 67.5° | 3759.7 | 3843.7 | 4029.0 | 4017.5 | 4029.0 | 4029.0 | 3935.4 | 3859.0 | 3759.7 | 3618.4 | 3652.8 |
| 70°   | 3354.9 | 3465.7 | 3679.5 | 3734.9 | 3832.3 | 3832.3 | 3750.2 | 3633.7 | 3519.1 | 3228.9 | 3053.2 |
| 72.5° | 2688.5 | 2763.0 | 3091.4 | 3360.7 | 3484.8 | 3435.1 | 3354.9 | 3160.2 | 2908.1 | 2589.2 | 2350.5 |
| 75°   | 1819.7 | 1863.6 | 2266.5 | 2759.2 | 2984.5 | 2942.5 | 2810.7 | 2568.2 | 2308.5 | 1953.4 | 1651.7 |
| 77.5° | 1013.9 | 1071.2 | 1372.9 | 1758.6 | 2062.2 | 2056.5 | 2039.3 | 1884.6 | 1678.4 | 1384.4 | 1227.8 |
| 80°   | 595.8  | 614.8  | 773.3  | 1054.0 | 1315.6 | 1252.6 | 1208.7 | 1086.5 | 981.5  | 847.8  | 968.1  |
| 82.5° | 364.7  | 345.6  | 439.2  | 641.6  | 777.2  | 750.4  | 675.9  | 630.1  | 580.5  | 544.2  | 643.5  |
| 85°   | 99.3   | 89.7   | 179.5  | 269.2  | 330.3  | 357.1  | 357.1  | 353.3  | 317.0  | 238.7  | 286.4  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |
| 2.5°  | 1554.3 | 1556.2 | 1550.5 | 1563.9 | 1548.6 | 1540.9 | 1518.0 | 1518.0 | 1498.9 | 1483.7 | 1466.5 |
| 5°    | 1735.7 | 1747.2 | 1737.6 | 1739.5 | 1709.0 | 1678.4 | 1632.6 | 1605.9 | 1558.1 | 1506.6 | 1453.1 |
| 7.5°  | 1857.9 | 1877.0 | 1869.4 | 1836.9 | 1789.2 | 1724.2 | 1647.9 | 1575.3 | 1497.0 | 1413.0 | 1334.7 |
| 10°   | 1890.4 | 1911.4 | 1894.2 | 1833.1 | 1754.8 | 1663.1 | 1571.5 | 1474.1 | 1378.6 | 1288.9 | 1204.9 |
| 12.5° | 1844.5 | 1859.8 | 1823.5 | 1756.7 | 1680.3 | 1588.7 | 1493.2 | 1409.2 | 1296.5 | 1201.1 | 1103.7 |
| 15°   | 1728.1 | 1718.5 | 1714.7 | 1667.0 | 1613.5 | 1539.0 | 1449.3 | 1363.4 | 1258.3 | 1161.0 | 1057.8 |
| 17.5° | 1602.0 | 1590.6 | 1594.4 | 1575.3 | 1567.7 | 1533.3 | 1466.5 | 1393.9 | 1300.3 | 1182.0 | 1071.2 |
| 20°   | 1491.3 | 1479.8 | 1485.6 | 1495.1 | 1523.8 | 1525.7 | 1514.2 | 1466.5 | 1397.7 | 1273.6 | 1138.0 |
| 22.5° | 1395.8 | 1397.7 | 1416.8 | 1443.6 | 1491.3 | 1552.4 | 1600.1 | 1609.7 | 1561.9 | 1416.8 | 1246.9 |
| 25°   | 1367.2 | 1357.6 | 1378.6 | 1422.5 | 1502.7 | 1621.1 | 1728.1 | 1781.5 | 1754.8 | 1609.7 | 1401.5 |
| 27.5° | 1357.6 | 1344.3 | 1367.2 | 1424.5 | 1552.4 | 1718.5 | 1871.3 | 1951.5 | 1961.0 | 1812.1 | 1567.7 |
| 30°   | 1357.6 | 1351.9 | 1374.8 | 1449.3 | 1584.9 | 1751.0 | 1920.9 | 2041.2 | 2079.4 | 1955.3 | 1712.8 |
| 32.5° | 1374.8 | 1378.6 | 1418.7 | 1514.2 | 1653.6 | 1823.5 | 1999.2 | 2129.1 | 2197.8 | 2104.2 | 1829.3 |
| 35°   | 1413.0 | 1420.6 | 1477.9 | 1588.7 | 1739.5 | 1911.4 | 2071.8 | 2203.5 | 2314.3 | 2264.6 | 1938.1 |
| 37.5° | 1495.1 | 1506.6 | 1577.2 | 1689.9 | 1827.4 | 1982.0 | 2138.6 | 2279.9 | 2440.3 | 2419.3 | 2052.7 |
| 40°   | 1640.2 | 1640.2 | 1710.9 | 1808.3 | 1920.9 | 2039.3 | 2194.0 | 2360.1 | 2556.8 | 2585.4 | 2194.0 |
| 42.5° | 1823.5 | 1815.9 | 1861.7 | 1932.4 | 2010.7 | 2110.0 | 2249.3 | 2434.6 | 2665.6 | 2728.6 | 2300.9 |
| 45°   | 2075.6 | 2037.4 | 2062.2 | 2079.4 | 2117.6 | 2178.7 | 2302.8 | 2505.2 | 2753.4 | 2835.6 | 2381.1 |
| 47.5° | 2371.6 | 2318.1 | 2297.1 | 2264.6 | 2251.3 | 2274.2 | 2381.1 | 2560.6 | 2837.5 | 2927.2 | 2510.9 |
| 50°   | 2698.1 | 2646.5 | 2591.1 | 2503.3 | 2426.9 | 2404.0 | 2468.9 | 2635.1 | 2927.2 | 3041.8 | 2654.2 |
| 52.5° | 3038.0 | 3001.7 | 2929.1 | 2791.6 | 2646.5 | 2564.4 | 2595.0 | 2759.2 | 3070.4 | 3219.4 | 2824.1 |
| 55°   | 3349.2 | 3360.7 | 3272.8 | 3112.4 | 2904.3 | 2778.3 | 2814.5 | 2978.8 | 3330.1 | 3505.8 | 3108.6 |
| 57.5° | 3683.4 | 3652.8 | 3584.1 | 3417.9 | 3190.7 | 3055.1 | 3070.4 | 3269.0 | 3620.3 | 3754.0 | 3391.2 |
| 60°   | 3904.9 | 3904.9 | 3830.4 | 3704.4 | 3488.6 | 3362.6 | 3385.5 | 3568.8 | 3853.3 | 3866.7 | 3517.2 |
| 62.5° | 4048.1 | 4069.1 | 4009.9 | 3920.1 | 3710.1 | 3605.1 | 3683.4 | 3813.2 | 3967.9 | 3857.1 | 3454.2 |
| 65°   | 3979.3 | 4002.2 | 3996.5 | 3897.2 | 3748.3 | 3740.6 | 3881.9 | 3912.5 | 3899.1 | 3717.7 | 3236.5 |
| 67.5° | 3668.1 | 3622.3 | 3620.3 | 3568.8 | 3538.2 | 3696.7 | 3876.2 | 3885.8 | 3660.4 | 3444.7 | 2892.8 |
| 70°   | 3076.1 | 2997.9 | 2967.3 | 2982.6 | 3122.0 | 3417.9 | 3673.8 | 3601.2 | 3242.3 | 3057.1 | 2463.2 |
| 72.5° | 2371.6 | 2278.0 | 2258.9 | 2318.1 | 2533.9 | 2950.1 | 3299.6 | 3198.4 | 2665.6 | 2449.8 | 1907.6 |
| 75°   | 1682.2 | 1642.1 | 1644.0 | 1760.5 | 1993.5 | 2394.5 | 2801.2 | 2791.6 | 1974.4 | 1689.9 | 1313.7 |
| 77.5° | 1224.0 | 1231.6 | 1266.0 | 1311.8 | 1512.3 | 1899.9 | 2281.8 | 2257.0 | 1405.4 | 1161.0 | 918.5  |
| 80°   | 1010.1 | 1021.6 | 1021.6 | 996.7  | 1048.3 | 1254.5 | 1550.5 | 1655.5 | 941.4  | 781.0  | 641.6  |
| 82.5° | 725.6  | 782.9  | 815.3  | 775.2  | 756.1  | 826.8  | 971.9  | 1040.7 | 586.2  | 492.6  | 448.7  |
| 85°   | 345.6  | 395.3  | 406.7  | 397.2  | 456.4  | 521.3  | 555.7  | 569.0  | 320.8  | 229.1  | 294.1  |
| 87.5° | 0.0    | 0.0    | 1.9    | 15.3   | 42.0   | 72.6   | 72.6   | 110.7  | 17.2   | 5.7    | 13.4   |
| 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°   | 115°   | 120°   | 125°   | 130°   | 135°   | 145°   | 155°   | 165°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |
| 2.5°  | 1443.6 | 1418.7 | 1399.6 | 1376.7 | 1357.6 | 1338.5 | 1325.2 | 1296.5 | 1273.6 | 1222.1 | 1208.7 |
| 5°    | 1409.2 | 1355.7 | 1319.4 | 1285.1 | 1241.2 | 1210.6 | 1178.1 | 1138.0 | 1094.1 | 1019.7 | 996.7  |
| 7.5°  | 1273.6 | 1206.8 | 1157.1 | 1107.5 | 1050.2 | 998.6  | 950.9  | 897.4  | 821.1  | 740.9  | 710.3  |
| 10°   | 1126.6 | 1055.9 | 987.2  | 928.0  | 859.3  | 802.0  | 760.0  | 721.8  | 660.7  | 599.6  | 559.5  |
| 12.5° | 1006.3 | 926.1  | 847.8  | 788.6  | 752.3  | 723.7  | 693.1  | 662.6  | 597.7  | 528.9  | 481.2  |
| 15°   | 950.9  | 857.3  | 788.6  | 739.0  | 706.5  | 672.1  | 635.9  | 601.5  | 525.1  | 444.9  | 387.6  |
| 17.5° | 958.6  | 851.6  | 763.8  | 697.0  | 653.0  | 605.3  | 563.3  | 519.4  | 435.4  | 339.9  | 288.3  |
| 20°   | 1000.6 | 857.3  | 737.1  | 658.8  | 595.8  | 534.6  | 481.2  | 425.8  | 322.7  | 248.2  | 212.0  |
| 22.5° | 1054.0 | 876.4  | 721.8  | 620.6  | 542.3  | 465.9  | 397.2  | 332.2  | 238.7  | 194.8  | 177.6  |
| 25°   | 1145.7 | 920.4  | 718.0  | 586.2  | 490.7  | 399.1  | 328.4  | 259.7  | 192.9  | 171.9  | 162.3  |
| 27.5° | 1260.2 | 970.0  | 721.8  | 561.4  | 446.8  | 345.6  | 267.3  | 215.8  | 173.8  | 162.3  | 154.7  |
| 30°   | 1374.8 | 1021.6 | 704.6  | 523.2  | 395.3  | 296.0  | 229.1  | 196.7  | 171.9  | 158.5  | 145.1  |
| 32.5° | 1476.0 | 1059.8 | 675.9  | 483.1  | 349.4  | 252.0  | 194.8  | 168.0  | 150.8  | 135.6  | 131.8  |
| 35°   | 1548.6 | 1076.9 | 643.5  | 458.3  | 318.9  | 225.3  | 171.9  | 150.8  | 133.7  | 118.4  | 110.7  |
| 37.5° | 1617.3 | 1078.8 | 609.1  | 435.4  | 307.4  | 213.9  | 158.5  | 139.4  | 124.1  | 110.7  | 103.1  |
| 40°   | 1688.0 | 1071.2 | 590.0  | 412.4  | 290.2  | 208.1  | 152.8  | 129.8  | 120.3  | 105.0  | 97.4   |
| 42.5° | 1739.5 | 1057.8 | 582.4  | 399.1  | 275.0  | 192.9  | 148.9  | 127.9  | 114.6  | 103.1  | 93.6   |
| 45°   | 1787.3 | 1044.5 | 582.4  | 387.6  | 263.5  | 183.3  | 141.3  | 129.8  | 110.7  | 101.2  | 89.7   |
| 47.5° | 1844.5 | 1050.2 | 584.3  | 378.1  | 254.0  | 173.8  | 133.7  | 126.0  | 112.7  | 99.3   | 87.8   |
| 50°   | 1941.9 | 1115.1 | 593.8  | 372.3  | 246.3  | 166.1  | 127.9  | 120.3  | 124.1  | 97.4   | 85.9   |
| 52.5° | 2110.0 | 1218.2 | 609.1  | 368.5  | 238.7  | 160.4  | 120.3  | 116.5  | 126.0  | 97.4   | 84.0   |
| 55°   | 2329.5 | 1323.3 | 624.4  | 359.0  | 227.2  | 148.9  | 116.5  | 108.8  | 116.5  | 97.4   | 82.1   |
| 57.5° | 2543.4 | 1401.5 | 637.8  | 345.6  | 208.1  | 137.5  | 110.7  | 103.1  | 106.9  | 95.5   | 78.3   |
| 60°   | 2667.5 | 1462.6 | 651.1  | 322.7  | 185.2  | 124.1  | 105.0  | 97.4   | 95.5   | 95.5   | 76.4   |
| 62.5° | 2701.9 | 1439.7 | 643.5  | 294.1  | 166.1  | 114.6  | 99.3   | 91.7   | 85.9   | 97.4   | 76.4   |
| 65°   | 2593.1 | 1319.4 | 614.8  | 269.2  | 152.8  | 110.7  | 93.6   | 87.8   | 82.1   | 84.0   | 72.6   |
| 67.5° | 2258.9 | 1109.4 | 536.6  | 246.3  | 150.8  | 108.8  | 89.7   | 84.0   | 76.4   | 74.5   | 68.7   |
| 70°   | 1842.6 | 870.7  | 444.9  | 229.1  | 148.9  | 108.8  | 85.9   | 78.3   | 72.6   | 66.8   | 63.0   |
| 72.5° | 1416.8 | 651.1  | 374.3  | 221.5  | 150.8  | 106.9  | 80.2   | 70.7   | 64.9   | 61.1   | 57.3   |
| 75°   | 996.7  | 460.2  | 311.2  | 198.6  | 141.3  | 101.2  | 74.5   | 63.0   | 57.3   | 53.5   | 49.6   |
| 77.5° | 721.8  | 313.2  | 231.0  | 160.4  | 120.3  | 87.8   | 64.9   | 53.5   | 47.7   | 45.8   | 42.0   |
| 80°   | 460.2  | 192.9  | 154.7  | 118.4  | 87.8   | 68.7   | 49.6   | 42.0   | 38.2   | 34.4   | 32.5   |
| 82.5° | 265.4  | 112.7  | 93.6   | 80.2   | 57.3   | 45.8   | 36.3   | 32.5   | 24.8   | 22.9   | 21.0   |
| 85°   | 162.3  | 70.7   | 51.6   | 42.0   | 36.3   | 28.6   | 21.0   | 19.1   | 13.4   | 11.5   | 9.5    |
| 87.5° | 36.3   | 15.3   | 13.4   | 9.5    | 11.5   | 9.5    | 5.7    | 3.8    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 175°   | 180°   | 185°   | 195°   | 205°   | 215°   | 225°   | 230°   | 232.5° | 235°   | 237.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |
| 2.5°  | 1187.7 | 1159.0 | 1161.0 | 1155.2 | 1139.9 | 1115.1 | 1107.5 | 1094.1 | 1096.0 | 1103.7 | 1096.0 |
| 5°    | 970.0  | 935.6  | 939.5  | 937.5  | 922.3  | 905.1  | 891.7  | 874.5  | 868.8  | 874.5  | 865.0  |
| 7.5°  | 687.4  | 664.5  | 672.1  | 689.3  | 687.4  | 677.9  | 666.4  | 647.3  | 643.5  | 645.4  | 628.2  |
| 10°   | 525.1  | 502.2  | 496.5  | 494.6  | 490.7  | 485.0  | 469.7  | 454.5  | 448.7  | 450.6  | 439.2  |
| 12.5° | 439.2  | 420.1  | 397.2  | 376.2  | 357.1  | 349.4  | 330.3  | 320.8  | 318.9  | 318.9  | 313.2  |
| 15°   | 347.5  | 332.2  | 318.9  | 297.9  | 282.6  | 271.1  | 257.8  | 250.1  | 248.2  | 250.1  | 250.1  |
| 17.5° | 259.7  | 252.0  | 246.3  | 244.4  | 236.8  | 229.1  | 221.5  | 217.7  | 215.8  | 215.8  | 217.7  |
| 20°   | 198.6  | 196.7  | 196.7  | 196.7  | 206.2  | 213.9  | 215.8  | 210.0  | 208.1  | 206.2  | 204.3  |
| 22.5° | 171.9  | 169.9  | 171.9  | 183.3  | 177.6  | 171.9  | 171.9  | 171.9  | 171.9  | 171.9  | 173.8  |
| 25°   | 158.5  | 160.4  | 162.3  | 156.6  | 150.8  | 147.0  | 145.1  | 145.1  | 143.2  | 143.2  | 145.1  |
| 27.5° | 150.8  | 148.9  | 147.0  | 143.2  | 139.4  | 133.7  | 131.8  | 129.8  | 129.8  | 129.8  | 129.8  |
| 30°   | 141.3  | 139.4  | 137.5  | 133.7  | 127.9  | 120.3  | 118.4  | 118.4  | 116.5  | 118.4  | 118.4  |
| 32.5° | 129.8  | 127.9  | 126.0  | 122.2  | 116.5  | 112.7  | 110.7  | 106.9  | 106.9  | 106.9  | 108.8  |
| 35°   | 105.0  | 103.1  | 103.1  | 105.0  | 105.0  | 103.1  | 103.1  | 99.3   | 99.3   | 99.3   | 99.3   |
| 37.5° | 97.4   | 95.5   | 95.5   | 93.6   | 95.5   | 97.4   | 95.5   | 93.6   | 93.6   | 91.7   | 91.7   |
| 40°   | 91.7   | 91.7   | 89.7   | 87.8   | 87.8   | 91.7   | 89.7   | 87.8   | 85.9   | 85.9   | 85.9   |
| 42.5° | 87.8   | 85.9   | 85.9   | 84.0   | 84.0   | 84.0   | 82.1   | 80.2   | 78.3   | 78.3   | 78.3   |
| 45°   | 84.0   | 84.0   | 82.1   | 80.2   | 78.3   | 78.3   | 74.5   | 72.6   | 72.6   | 72.6   | 74.5   |
| 47.5° | 82.1   | 80.2   | 80.2   | 78.3   | 76.4   | 72.6   | 70.7   | 68.7   | 68.7   | 68.7   | 68.7   |
| 50°   | 80.2   | 78.3   | 76.4   | 76.4   | 72.6   | 70.7   | 68.7   | 66.8   | 66.8   | 66.8   | 66.8   |
| 52.5° | 78.3   | 76.4   | 74.5   | 72.6   | 70.7   | 68.7   | 66.8   | 64.9   | 64.9   | 64.9   | 64.9   |
| 55°   | 74.5   | 72.6   | 72.6   | 70.7   | 70.7   | 68.7   | 66.8   | 64.9   | 64.9   | 64.9   | 63.0   |
| 57.5° | 72.6   | 70.7   | 68.7   | 68.7   | 68.7   | 66.8   | 64.9   | 63.0   | 63.0   | 63.0   | 63.0   |
| 60°   | 70.7   | 68.7   | 68.7   | 66.8   | 66.8   | 64.9   | 64.9   | 63.0   | 61.1   | 61.1   | 59.2   |
| 62.5° | 68.7   | 66.8   | 66.8   | 64.9   | 66.8   | 64.9   | 63.0   | 61.1   | 59.2   | 59.2   | 57.3   |
| 65°   | 66.8   | 64.9   | 64.9   | 64.9   | 63.0   | 63.0   | 61.1   | 57.3   | 57.3   | 57.3   | 55.4   |
| 67.5° | 63.0   | 61.1   | 61.1   | 63.0   | 61.1   | 59.2   | 59.2   | 55.4   | 55.4   | 53.5   | 53.5   |
| 70°   | 57.3   | 57.3   | 57.3   | 59.2   | 57.3   | 55.4   | 55.4   | 53.5   | 51.6   | 49.6   | 49.6   |
| 72.5° | 53.5   | 51.6   | 53.5   | 53.5   | 53.5   | 51.6   | 53.5   | 49.6   | 47.7   | 45.8   | 45.8   |
| 75°   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 43.9   | 42.0   | 40.1   |
| 77.5° | 36.3   | 38.2   | 38.2   | 38.2   | 38.2   | 40.1   | 38.2   | 38.2   | 38.2   | 36.3   | 34.4   |
| 80°   | 26.7   | 26.7   | 28.6   | 30.6   | 28.6   | 30.6   | 28.6   | 30.6   | 28.6   | 28.6   | 28.6   |
| 82.5° | 15.3   | 15.3   | 17.2   | 19.1   | 19.1   | 21.0   | 17.2   | 19.1   | 19.1   | 21.0   | 19.1   |
| 85°   | 5.7    | 5.7    | 5.7    | 5.7    | 7.6    | 7.6    | 5.7    | 7.6    | 7.6    | 9.5    | 9.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 240°   | 242.5° | 245°   | 247.5° | 250°   | 252.5° | 255°   | 257.5° | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 |
| 2.5°  | 1111.3 | 1111.3 | 1088.4 | 1092.2 | 1096.0 | 1103.7 | 1099.9 | 1097.9 | 1096.0 | 1107.5 | 1113.2 |
| 5°    | 872.6  | 870.7  | 842.1  | 840.2  | 845.9  | 847.8  | 842.1  | 832.5  | 826.8  | 828.7  | 834.4  |
| 7.5°  | 633.9  | 628.2  | 601.5  | 597.7  | 595.8  | 597.7  | 591.9  | 582.4  | 574.7  | 576.7  | 582.4  |
| 10°   | 443.0  | 427.7  | 423.9  | 425.8  | 429.6  | 433.4  | 433.4  | 433.4  | 435.4  | 446.8  | 460.2  |
| 12.5° | 320.8  | 315.1  | 318.9  | 322.7  | 330.3  | 336.1  | 341.8  | 343.7  | 345.6  | 360.9  | 372.3  |
| 15°   | 254.0  | 254.0  | 257.8  | 259.7  | 263.5  | 267.3  | 271.1  | 271.1  | 273.1  | 278.8  | 288.3  |
| 17.5° | 219.6  | 219.6  | 219.6  | 219.6  | 219.6  | 217.7  | 215.8  | 212.0  | 210.0  | 208.1  | 210.0  |
| 20°   | 202.4  | 200.5  | 196.7  | 194.8  | 190.9  | 187.1  | 185.2  | 179.5  | 177.6  | 171.9  | 169.9  |
| 22.5° | 173.8  | 171.9  | 171.9  | 171.9  | 171.9  | 169.9  | 168.0  | 166.1  | 162.3  | 156.6  | 152.8  |
| 25°   | 143.2  | 143.2  | 143.2  | 145.1  | 145.1  | 147.0  | 150.8  | 150.8  | 150.8  | 150.8  | 145.1  |
| 27.5° | 129.8  | 129.8  | 129.8  | 129.8  | 131.8  | 131.8  | 133.7  | 133.7  | 133.7  | 135.6  | 137.5  |
| 30°   | 118.4  | 120.3  | 120.3  | 122.2  | 122.2  | 124.1  | 124.1  | 126.0  | 126.0  | 127.9  | 127.9  |
| 32.5° | 108.8  | 108.8  | 110.7  | 112.7  | 112.7  | 112.7  | 116.5  | 116.5  | 114.6  | 116.5  | 116.5  |
| 35°   | 97.4   | 97.4   | 97.4   | 97.4   | 97.4   | 97.4   | 97.4   | 97.4   | 93.6   | 91.7   | 93.6   |
| 37.5° | 89.7   | 87.8   | 87.8   | 85.9   | 84.0   | 84.0   | 84.0   | 85.9   | 84.0   | 85.9   | 85.9   |
| 40°   | 82.1   | 82.1   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 82.1   | 84.0   |
| 42.5° | 76.4   | 76.4   | 76.4   | 76.4   | 76.4   | 76.4   | 76.4   | 76.4   | 76.4   | 78.3   | 78.3   |
| 45°   | 72.6   | 72.6   | 72.6   | 72.6   | 74.5   | 74.5   | 74.5   | 74.5   | 74.5   | 74.5   | 76.4   |
| 47.5° | 70.7   | 70.7   | 70.7   | 70.7   | 70.7   | 70.7   | 70.7   | 70.7   | 70.7   | 72.6   | 74.5   |
| 50°   | 66.8   | 66.8   | 68.7   | 68.7   | 68.7   | 68.7   | 68.7   | 68.7   | 68.7   | 70.7   | 72.6   |
| 52.5° | 64.9   | 64.9   | 64.9   | 66.8   | 66.8   | 66.8   | 66.8   | 66.8   | 66.8   | 66.8   | 68.7   |
| 55°   | 63.0   | 64.9   | 64.9   | 64.9   | 64.9   | 64.9   | 63.0   | 63.0   | 63.0   | 63.0   | 64.9   |
| 57.5° | 61.1   | 61.1   | 63.0   | 63.0   | 63.0   | 61.1   | 61.1   | 59.2   | 59.2   | 59.2   | 63.0   |
| 60°   | 59.2   | 59.2   | 59.2   | 59.2   | 59.2   | 57.3   | 57.3   | 57.3   | 57.3   | 59.2   | 59.2   |
| 62.5° | 57.3   | 57.3   | 55.4   | 55.4   | 55.4   | 55.4   | 55.4   | 55.4   | 55.4   | 55.4   | 55.4   |
| 65°   | 55.4   | 55.4   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   | 53.5   |
| 67.5° | 51.6   | 51.6   | 51.6   | 49.6   | 49.6   | 49.6   | 49.6   | 51.6   | 49.6   | 49.6   | 49.6   |
| 70°   | 47.7   | 47.7   | 47.7   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   | 45.8   |
| 72.5° | 43.9   | 43.9   | 43.9   | 43.9   | 42.0   | 42.0   | 42.0   | 42.0   | 42.0   | 42.0   | 42.0   |
| 75°   | 40.1   | 38.2   | 38.2   | 36.3   | 36.3   | 36.3   | 36.3   | 36.3   | 36.3   | 36.3   | 36.3   |
| 77.5° | 34.4   | 32.5   | 32.5   | 32.5   | 30.6   | 30.6   | 30.6   | 30.6   | 30.6   | 30.6   | 30.6   |
| 80°   | 28.6   | 26.7   | 26.7   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 24.8   | 22.9   | 22.9   |
| 82.5° | 21.0   | 19.1   | 19.1   | 19.1   | 19.1   | 17.2   | 17.2   | 17.2   | 17.2   | 15.3   | 13.4   |
| 85°   | 9.5    | 9.5    | 7.6    | 9.5    | 9.5    | 11.5   | 9.5    | 9.5    | 9.5    | 7.6    | 3.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   | 302.5° |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 0°    |
| 2.5°  | 1109.4 | 1128.5 | 1130.4 | 1118.9 | 1141.9 | 1145.7 | 1139.9 | 1139.9 | 1143.8 | 1159.0 | 1159.0 | 2.5°  |
| 5°    | 826.8  | 851.6  | 849.7  | 834.4  | 865.0  | 874.5  | 868.8  | 870.7  | 878.4  | 895.5  | 905.1  | 5°    |
| 7.5°  | 584.3  | 605.3  | 603.4  | 601.5  | 620.6  | 628.2  | 632.0  | 637.8  | 660.7  | 662.6  | 674.0  | 7.5°  |
| 10°   | 473.5  | 492.6  | 498.4  | 511.7  | 517.5  | 528.9  | 536.6  | 546.1  | 565.2  | 574.7  | 588.1  | 10°   |
| 12.5° | 383.8  | 406.7  | 412.4  | 427.7  | 435.4  | 448.7  | 456.4  | 475.5  | 486.9  | 498.4  | 515.6  | 12.5° |
| 15°   | 296.0  | 315.1  | 320.8  | 332.2  | 339.9  | 355.2  | 362.8  | 374.3  | 397.2  | 408.6  | 431.5  | 15°   |
| 17.5° | 217.7  | 229.1  | 233.0  | 240.6  | 246.3  | 252.0  | 267.3  | 286.4  | 299.8  | 318.9  | 330.3  | 17.5° |
| 20°   | 169.9  | 173.8  | 175.7  | 177.6  | 181.4  | 185.2  | 192.9  | 206.2  | 213.9  | 229.1  | 240.6  | 20°   |
| 22.5° | 152.8  | 154.7  | 154.7  | 156.6  | 156.6  | 158.5  | 162.3  | 166.1  | 169.9  | 175.7  | 181.4  | 22.5° |
| 25°   | 141.3  | 143.2  | 143.2  | 145.1  | 145.1  | 147.0  | 148.9  | 150.8  | 154.7  | 156.6  | 158.5  | 25°   |
| 27.5° | 135.6  | 135.6  | 135.6  | 135.6  | 137.5  | 137.5  | 139.4  | 143.2  | 143.2  | 147.0  | 148.9  | 27.5° |
| 30°   | 129.8  | 129.8  | 129.8  | 131.8  | 133.7  | 137.5  | 141.3  | 147.0  | 148.9  | 152.8  | 154.7  | 30°   |
| 32.5° | 120.3  | 116.5  | 120.3  | 118.4  | 114.6  | 114.6  | 116.5  | 120.3  | 120.3  | 122.2  | 124.1  | 32.5° |
| 35°   | 93.6   | 93.6   | 95.5   | 97.4   | 97.4   | 99.3   | 101.2  | 103.1  | 105.0  | 108.8  | 110.7  | 35°   |
| 37.5° | 87.8   | 89.7   | 89.7   | 91.7   | 93.6   | 93.6   | 95.5   | 99.3   | 101.2  | 103.1  | 105.0  | 37.5° |
| 40°   | 84.0   | 85.9   | 87.8   | 89.7   | 89.7   | 91.7   | 93.6   | 95.5   | 97.4   | 101.2  | 103.1  | 40°   |
| 42.5° | 80.2   | 84.0   | 84.0   | 85.9   | 87.8   | 89.7   | 91.7   | 93.6   | 97.4   | 99.3   | 101.2  | 42.5° |
| 45°   | 78.3   | 80.2   | 82.1   | 84.0   | 85.9   | 87.8   | 89.7   | 93.6   | 95.5   | 99.3   | 101.2  | 45°   |
| 47.5° | 76.4   | 78.3   | 80.2   | 82.1   | 84.0   | 85.9   | 87.8   | 91.7   | 95.5   | 99.3   | 103.1  | 47.5° |
| 50°   | 72.6   | 76.4   | 78.3   | 80.2   | 82.1   | 84.0   | 87.8   | 91.7   | 95.5   | 101.2  | 110.7  | 50°   |
| 52.5° | 70.7   | 74.5   | 74.5   | 78.3   | 80.2   | 84.0   | 87.8   | 91.7   | 97.4   | 105.0  | 114.6  | 52.5° |
| 55°   | 66.8   | 70.7   | 70.7   | 74.5   | 78.3   | 82.1   | 84.0   | 89.7   | 95.5   | 103.1  | 105.0  | 55°   |
| 57.5° | 63.0   | 66.8   | 68.7   | 70.7   | 74.5   | 78.3   | 80.2   | 85.9   | 93.6   | 95.5   | 93.6   | 57.5° |
| 60°   | 61.1   | 63.0   | 64.9   | 66.8   | 70.7   | 72.6   | 78.3   | 89.7   | 97.4   | 89.7   | 80.2   | 60°   |
| 62.5° | 57.3   | 61.1   | 63.0   | 64.9   | 68.7   | 70.7   | 74.5   | 82.1   | 84.0   | 74.5   | 72.6   | 62.5° |
| 65°   | 55.4   | 59.2   | 59.2   | 63.0   | 64.9   | 64.9   | 66.8   | 66.8   | 66.8   | 66.8   | 66.8   | 65°   |
| 67.5° | 51.6   | 55.4   | 55.4   | 57.3   | 59.2   | 59.2   | 61.1   | 61.1   | 61.1   | 61.1   | 61.1   | 67.5° |
| 70°   | 47.7   | 49.6   | 51.6   | 53.5   | 53.5   | 53.5   | 55.4   | 55.4   | 55.4   | 57.3   | 57.3   | 70°   |
| 72.5° | 43.9   | 45.8   | 45.8   | 47.7   | 47.7   | 49.6   | 49.6   | 51.6   | 51.6   | 51.6   | 53.5   | 72.5° |
| 75°   | 36.3   | 38.2   | 40.1   | 42.0   | 42.0   | 43.9   | 43.9   | 43.9   | 43.9   | 45.8   | 45.8   | 75°   |
| 77.5° | 30.6   | 30.6   | 34.4   | 34.4   | 36.3   | 36.3   | 38.2   | 38.2   | 38.2   | 38.2   | 38.2   | 77.5° |
| 80°   | 22.9   | 22.9   | 24.8   | 26.7   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 28.6   | 80°   |
| 82.5° | 13.4   | 13.4   | 15.3   | 15.3   | 17.2   | 17.2   | 19.1   | 17.2   | 17.2   | 15.3   | 15.3   | 82.5° |
| 85°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 1.9    | 1.9    | 0.0    | 0.0    | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 87.5° |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   |



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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 305°   | 307.5° | 310°   | 312.5° | 315°   | 317.5° | 320°   | 322.5° | 325°   | 335°   | 345°   |       | 355°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 1334.7 | 0°    | 1334.7 |
| 1187.7 | 1187.7 | 1191.5 | 1206.8 | 1210.6 | 1220.1 | 1218.2 | 1235.4 | 1243.1 | 1288.9 | 1336.6 | 2.5°  | 1382.5 |
| 939.5  | 947.1  | 958.6  | 977.6  | 989.1  | 1010.1 | 1006.3 | 1040.7 | 1046.4 | 1130.4 | 1212.5 | 5°    | 1308.0 |
| 700.8  | 712.2  | 721.8  | 742.8  | 760.0  | 781.0  | 786.7  | 826.8  | 838.3  | 949.0  | 1063.6 | 7.5°  | 1195.3 |
| 607.2  | 616.8  | 630.1  | 643.5  | 660.7  | 670.2  | 685.5  | 704.6  | 718.0  | 800.1  | 931.8  | 10°   | 1082.7 |
| 540.4  | 553.7  | 567.1  | 586.2  | 603.4  | 620.6  | 635.9  | 654.9  | 672.1  | 739.0  | 842.1  | 12.5° | 1015.8 |
| 458.3  | 473.5  | 488.8  | 509.8  | 534.6  | 551.8  | 569.0  | 590.0  | 611.0  | 693.1  | 813.4  | 15°   | 989.1  |
| 355.2  | 372.3  | 393.3  | 422.0  | 448.7  | 469.7  | 486.9  | 515.6  | 542.3  | 641.6  | 800.1  | 17.5° | 1015.8 |
| 261.6  | 276.9  | 296.0  | 320.8  | 339.9  | 376.2  | 395.3  | 429.6  | 462.1  | 586.2  | 781.0  | 20°   | 1067.4 |
| 192.9  | 202.4  | 217.7  | 236.8  | 257.8  | 290.2  | 311.2  | 341.8  | 378.1  | 534.6  | 781.0  | 22.5° | 1155.2 |
| 162.3  | 166.1  | 171.9  | 183.3  | 196.7  | 219.6  | 240.6  | 271.1  | 307.4  | 488.8  | 802.0  | 25°   | 1298.4 |
| 150.8  | 152.8  | 156.6  | 162.3  | 169.9  | 181.4  | 196.7  | 221.5  | 257.8  | 452.5  | 832.5  | 27.5° | 1451.2 |
| 158.5  | 158.5  | 158.5  | 160.4  | 164.2  | 169.9  | 177.6  | 192.9  | 215.8  | 399.1  | 853.5  | 30°   | 1584.9 |
| 127.9  | 129.8  | 129.8  | 133.7  | 135.6  | 143.2  | 150.8  | 162.3  | 183.3  | 366.6  | 866.9  | 32.5° | 1680.3 |
| 114.6  | 116.5  | 118.4  | 120.3  | 124.1  | 126.0  | 133.7  | 147.0  | 168.0  | 345.6  | 865.0  | 35°   | 1793.0 |
| 108.8  | 110.7  | 112.7  | 112.7  | 114.6  | 118.4  | 124.1  | 137.5  | 162.3  | 338.0  | 865.0  | 37.5° | 1922.8 |
| 106.9  | 106.9  | 106.9  | 106.9  | 110.7  | 114.6  | 124.1  | 137.5  | 158.5  | 330.3  | 870.7  | 40°   | 2066.0 |
| 103.1  | 103.1  | 103.1  | 105.0  | 110.7  | 118.4  | 122.2  | 129.8  | 147.0  | 326.5  | 880.3  | 42.5° | 2195.9 |
| 103.1  | 103.1  | 105.0  | 112.7  | 114.6  | 114.6  | 116.5  | 122.2  | 139.4  | 326.5  | 899.4  | 45°   | 2297.1 |
| 106.9  | 110.7  | 112.7  | 110.7  | 108.8  | 108.8  | 108.8  | 116.5  | 133.7  | 332.2  | 935.6  | 47.5° | 2413.6 |
| 116.5  | 114.6  | 106.9  | 105.0  | 105.0  | 101.2  | 103.1  | 110.7  | 131.8  | 332.2  | 1010.1 | 50°   | 2574.0 |
| 114.6  | 106.9  | 105.0  | 101.2  | 97.4   | 95.5   | 97.4   | 108.8  | 129.8  | 328.4  | 1117.0 | 52.5° | 2808.8 |
| 103.1  | 101.2  | 95.5   | 91.7   | 89.7   | 91.7   | 95.5   | 105.0  | 126.0  | 324.6  | 1248.8 | 55°   | 3093.3 |
| 89.7   | 87.8   | 84.0   | 84.0   | 85.9   | 87.8   | 93.6   | 101.2  | 116.5  | 315.1  | 1353.8 | 57.5° | 3354.9 |
| 78.3   | 78.3   | 78.3   | 80.2   | 82.1   | 84.0   | 89.7   | 95.5   | 106.9  | 297.9  | 1424.5 | 60°   | 3523.0 |
| 70.7   | 72.6   | 72.6   | 76.4   | 78.3   | 80.2   | 84.0   | 89.7   | 97.4   | 278.8  | 1439.7 | 62.5° | 3524.9 |
| 66.8   | 68.7   | 70.7   | 70.7   | 72.6   | 74.5   | 80.2   | 85.9   | 97.4   | 263.5  | 1346.2 | 65°   | 3385.5 |
| 63.0   | 63.0   | 64.9   | 66.8   | 68.7   | 70.7   | 74.5   | 84.0   | 99.3   | 250.1  | 1141.9 | 67.5° | 3032.2 |
| 57.3   | 59.2   | 61.1   | 63.0   | 63.0   | 64.9   | 70.7   | 84.0   | 101.2  | 244.4  | 907.0  | 70°   | 2560.6 |
| 53.5   | 53.5   | 55.4   | 57.3   | 57.3   | 61.1   | 66.8   | 82.1   | 103.1  | 234.9  | 683.6  | 72.5° | 1997.3 |
| 45.8   | 47.7   | 47.7   | 47.7   | 49.6   | 53.5   | 61.1   | 74.5   | 89.7   | 194.8  | 462.1  | 75°   | 1353.8 |
| 40.1   | 38.2   | 40.1   | 40.1   | 42.0   | 43.9   | 49.6   | 57.3   | 66.8   | 124.1  | 244.4  | 77.5° | 861.2  |
| 28.6   | 26.7   | 26.7   | 28.6   | 28.6   | 28.6   | 32.5   | 34.4   | 38.2   | 76.4   | 135.6  | 80°   | 507.9  |
| 15.3   | 13.4   | 15.3   | 13.4   | 13.4   | 15.3   | 15.3   | 19.1   | 19.1   | 36.3   | 61.1   | 82.5° | 315.1  |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.8    | 13.4   | 85°   | 127.9  |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 87.5° | 0.0    |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   | 0.0    |

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**TION (continued):**

| 359°   | 360°   |
|--------|--------|
| 1334.7 | 1334.7 |
| 1405.4 | 1416.8 |
| 1355.7 | 1371.0 |
| 1248.8 | 1269.8 |
| 1149.5 | 1170.5 |
| 1096.0 | 1107.5 |
| 1071.2 | 1094.1 |
| 1107.5 | 1130.4 |
| 1180.0 | 1216.3 |
| 1308.0 | 1353.8 |
| 1510.4 | 1550.5 |
| 1670.8 | 1733.8 |
| 1819.7 | 1871.3 |
| 1938.1 | 1997.3 |
| 2073.7 | 2131.0 |
| 2237.9 | 2316.2 |
| 2407.8 | 2495.7 |
| 2566.3 | 2663.7 |
| 2715.3 | 2791.6 |
| 2829.8 | 2915.8 |
| 2974.9 | 3076.1 |
| 3221.3 | 3293.8 |
| 3519.1 | 3601.2 |
| 3796.0 | 3866.7 |
| 3923.9 | 3983.1 |
| 3927.8 | 4002.2 |
| 3843.7 | 3927.8 |
| 3629.9 | 3759.7 |
| 3209.8 | 3354.9 |
| 2522.4 | 2688.5 |
| 1674.6 | 1819.7 |
| 966.2  | 1013.9 |
| 570.9  | 595.8  |
| 339.9  | 364.7  |
| 91.7   | 99.3   |
| 0.0    | 0.0    |
| 0.0    | 0.0    |

(END OF REPORT)