

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: STREETWORKS

Report Number: P154802

Luminaire Tested: **AVS-E04-LED-E-U-T2-7060**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P154802  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-E04-LED-E-U-T2-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (84) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12575.3 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 97.2  
Input Voltage (V): NR  
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: 28.75 FT



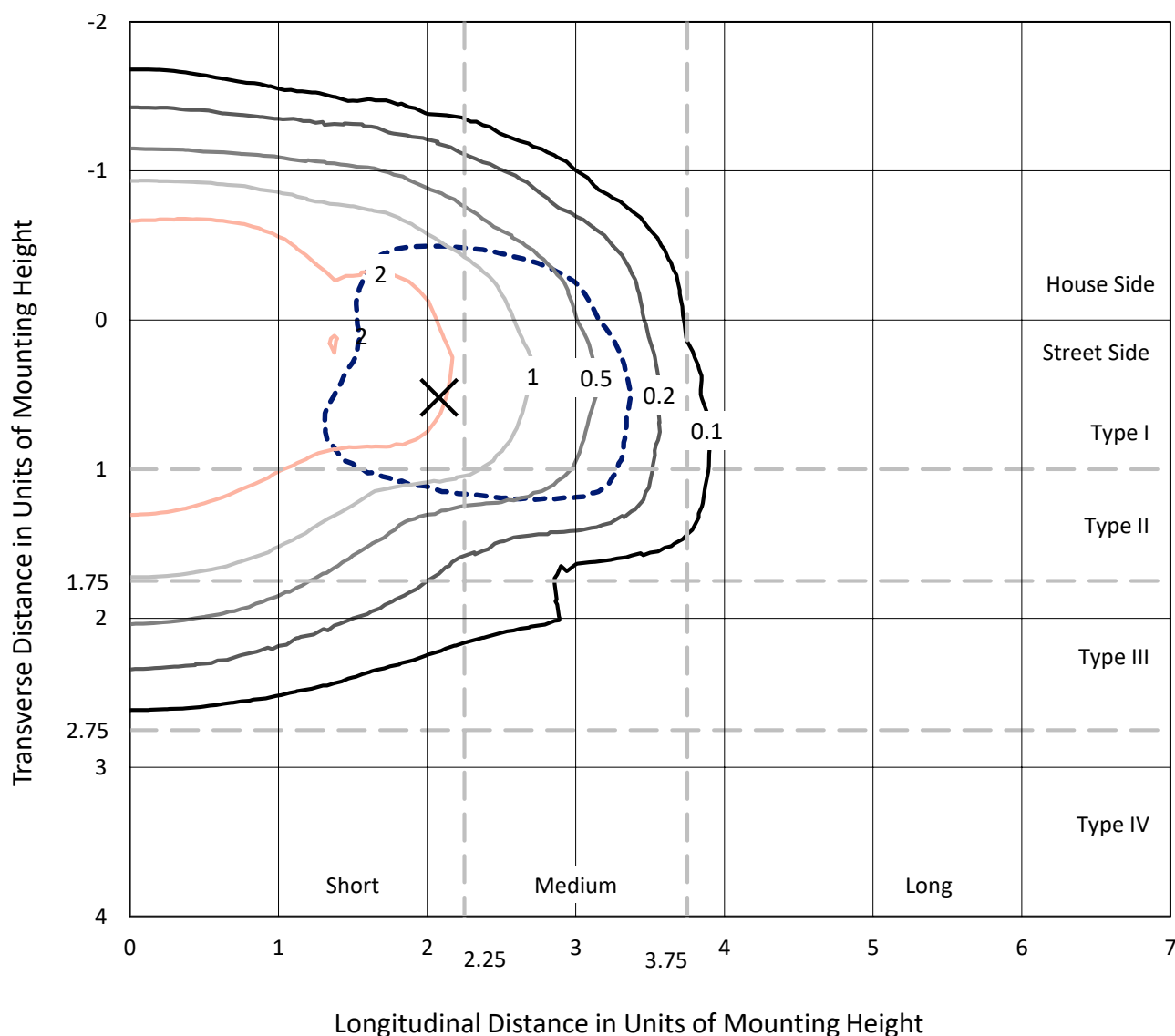
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

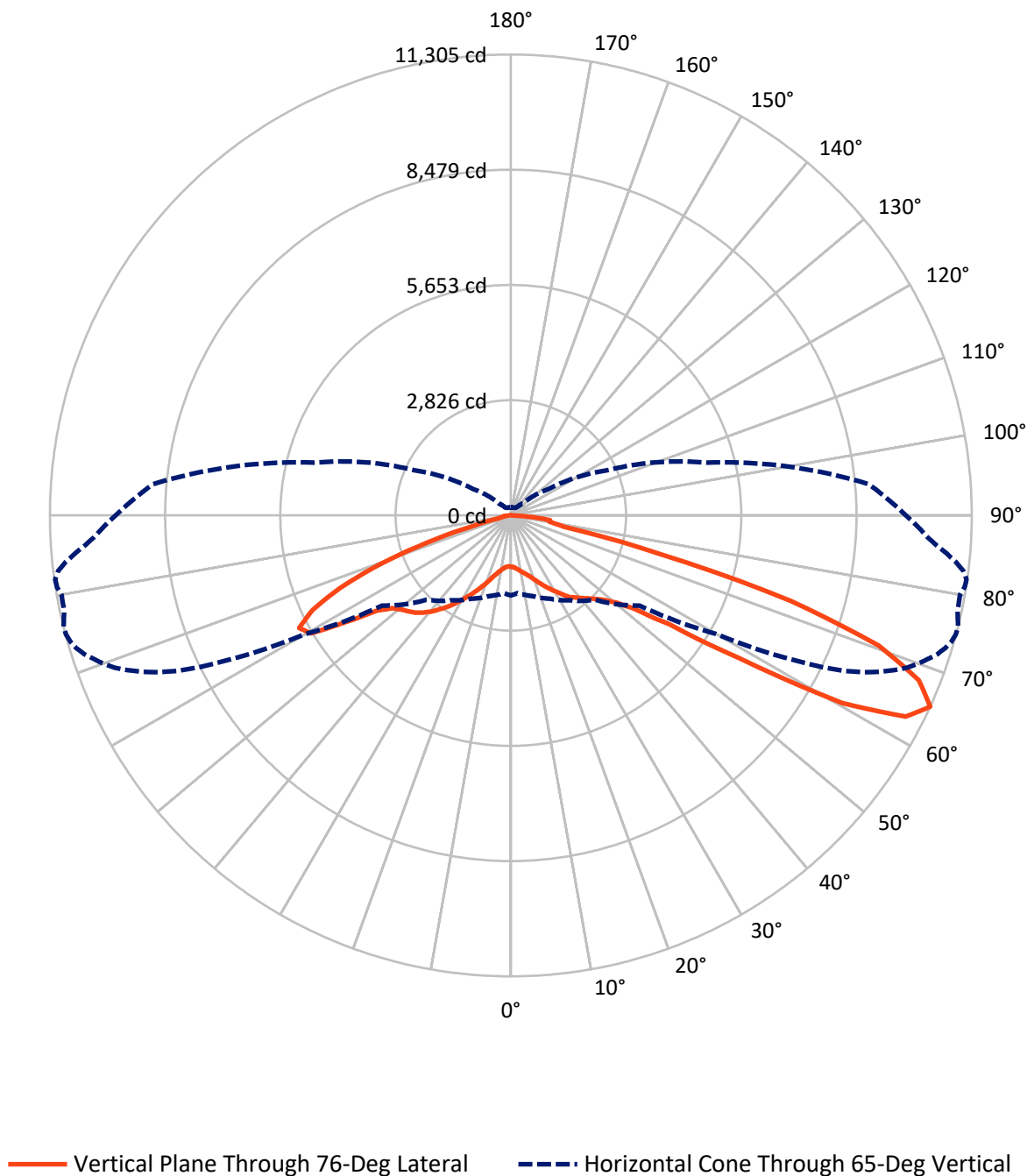


Based on 20 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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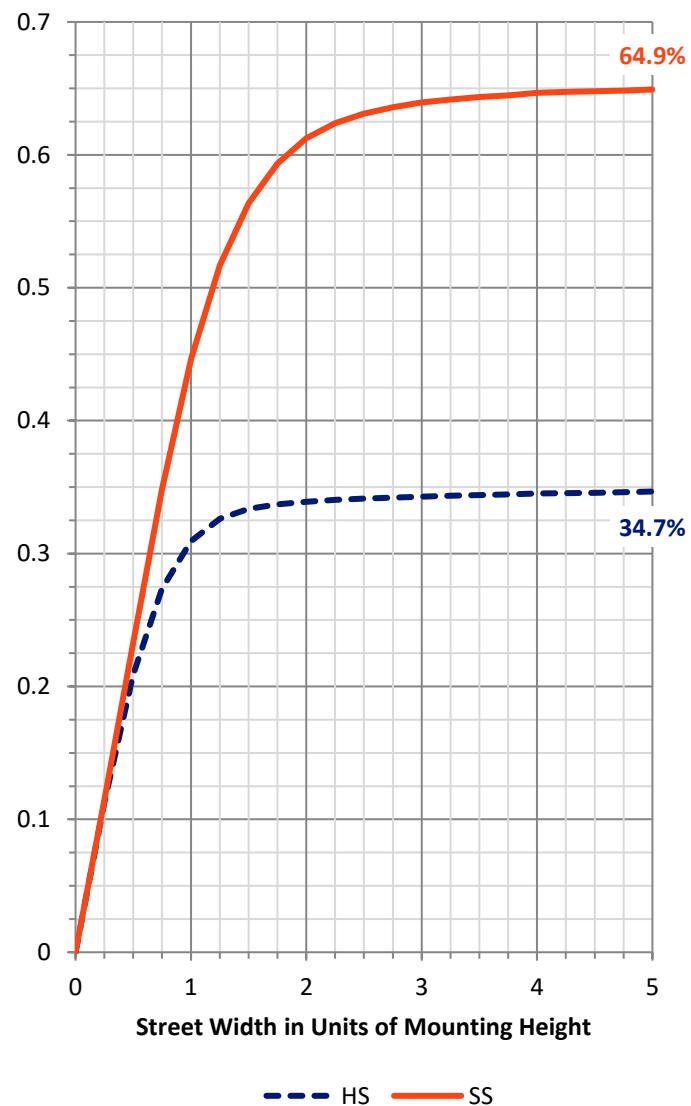
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4403.6   | 0.0    | 4403.6  |
|                    | % Fixture | 35.0     | 0.0    | 35.0    |
| <b>Street Side</b> | Lumens    | 8171.8   | 0.0    | 8171.8  |
|                    | % Fixture | 65.0     | 0.0    | 65.0    |
| <b>Total</b>       | Lumens    | 12575.3  | 0.0    | 12575.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 125.9   | 1.0       |
| 10°-20°   | 432.5   | 3.4       |
| 20°-30°   | 849.6   | 6.8       |
| 30°-40°   | 1411.7  | 11.2      |
| 40°-50°   | 2074.3  | 16.5      |
| 50°-60°   | 2871.9  | 22.8      |
| 60°-70°   | 3427.9  | 27.3      |
| 70°-80°   | 1212.3  | 9.6       |
| 80°-90°   | 169.4   | 1.3       |
| 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°    | 12575.3 | 100.0     |
| 0°-180°   | 12575.3 | 100.0     |

**Coefficient of Utilization**



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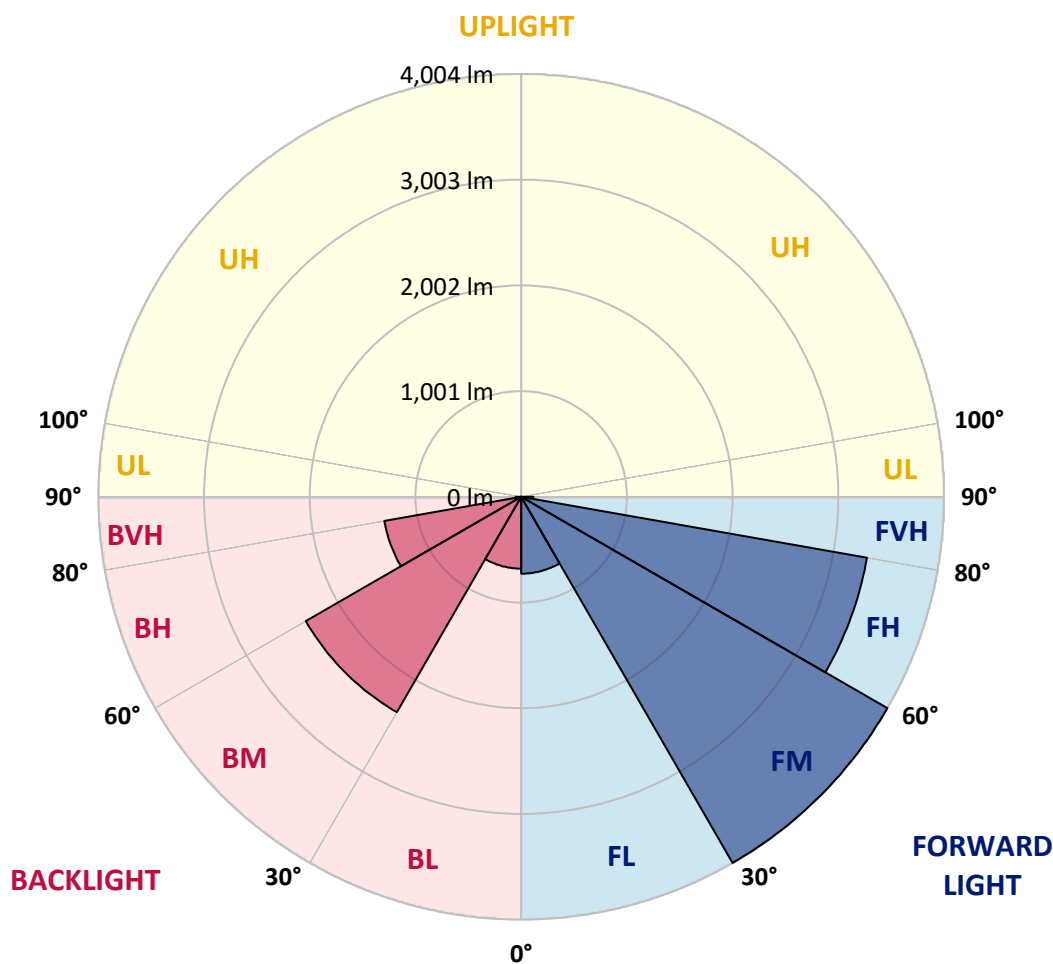
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 727.6  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 4003.6 | 31.8      |                         |      |         |
| FH   | (60°-80°)   | 3324.8 | 26.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 115.8  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 680.3  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2354.3 | 18.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1315.3 | 10.5      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 53.6   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 |
| 2.5°  | 1312.0 | 1313.4 | 1310.7 | 1309.3 | 1305.2 | 1298.3 | 1292.8 | 1287.5 | 1287.5 | 1287.5 | 1283.3 |
| 5°    | 1369.5 | 1372.2 | 1366.7 | 1362.7 | 1350.4 | 1343.5 | 1333.9 | 1327.0 | 1324.4 | 1323.0 | 1318.9 |
| 7.5°  | 1442.0 | 1437.9 | 1429.7 | 1426.9 | 1417.4 | 1402.4 | 1384.6 | 1370.9 | 1370.9 | 1369.5 | 1370.9 |
| 10°   | 1514.5 | 1503.6 | 1499.5 | 1495.3 | 1480.3 | 1461.1 | 1440.6 | 1425.6 | 1424.2 | 1422.9 | 1418.8 |
| 12.5° | 1587.0 | 1582.9 | 1578.9 | 1563.8 | 1548.7 | 1518.7 | 1495.3 | 1480.3 | 1479.0 | 1480.3 | 1474.8 |
| 15°   | 1682.8 | 1673.3 | 1669.1 | 1643.1 | 1610.3 | 1577.5 | 1548.7 | 1535.0 | 1531.0 | 1532.3 | 1528.2 |
| 17.5° | 1756.7 | 1756.7 | 1747.2 | 1718.3 | 1676.0 | 1630.8 | 1600.7 | 1592.5 | 1591.2 | 1591.2 | 1592.5 |
| 20°   | 1815.5 | 1814.2 | 1804.6 | 1781.3 | 1730.7 | 1685.6 | 1670.5 | 1667.8 | 1666.4 | 1666.4 | 1670.5 |
| 22.5° | 1848.4 | 1845.6 | 1841.6 | 1815.5 | 1775.9 | 1745.7 | 1747.2 | 1755.3 | 1758.0 | 1760.8 | 1766.3 |
| 25°   | 1864.8 | 1860.6 | 1859.3 | 1841.6 | 1812.7 | 1808.7 | 1833.3 | 1855.2 | 1860.6 | 1866.1 | 1873.0 |
| 27.5° | 1892.1 | 1885.3 | 1888.1 | 1881.2 | 1874.4 | 1886.6 | 1937.3 | 1960.5 | 1964.7 | 1971.5 | 1975.5 |
| 30°   | 1967.4 | 1964.7 | 1975.5 | 1978.3 | 1983.8 | 2001.6 | 2048.1 | 2069.9 | 2079.6 | 2079.6 | 2098.8 |
| 32.5° | 2111.1 | 2112.4 | 2115.1 | 2143.8 | 2153.5 | 2165.8 | 2190.4 | 2208.2 | 2209.5 | 2210.9 | 2228.7 |
| 35°   | 2303.9 | 2312.1 | 2335.4 | 2360.0 | 2383.3 | 2382.0 | 2366.8 | 2376.5 | 2369.6 | 2377.8 | 2379.2 |
| 37.5° | 2547.5 | 2536.6 | 2570.8 | 2626.8 | 2662.4 | 2652.8 | 2585.8 | 2542.0 | 2554.3 | 2548.8 | 2544.8 |
| 40°   | 2734.9 | 2747.3 | 2812.8 | 2886.7 | 2914.1 | 2944.2 | 2856.7 | 2781.5 | 2770.5 | 2749.9 | 2737.6 |
| 42.5° | 2993.5 | 2994.8 | 3048.2 | 3102.9 | 3182.3 | 3248.0 | 3191.9 | 3083.8 | 3051.0 | 3026.3 | 2973.0 |
| 45°   | 3233.0 | 3228.8 | 3272.6 | 3339.6 | 3434.0 | 3528.4 | 3548.9 | 3431.3 | 3419.0 | 3375.2 | 3305.4 |
| 47.5° | 3393.0 | 3387.6 | 3417.6 | 3505.2 | 3658.4 | 3813.1 | 3897.8 | 3862.3 | 3839.0 | 3821.2 | 3711.8 |
| 50°   | 3501.0 | 3490.2 | 3524.4 | 3617.4 | 3788.4 | 4026.4 | 4248.1 | 4278.1 | 4268.6 | 4268.6 | 4198.9 |
| 52.5° | 3581.8 | 3581.8 | 3606.4 | 3681.7 | 3855.4 | 4152.3 | 4549.1 | 4700.9 | 4713.3 | 4726.9 | 4722.8 |
| 55°   | 3536.7 | 3543.5 | 3605.1 | 3714.5 | 3897.8 | 4239.9 | 4798.0 | 5130.6 | 5199.0 | 5256.4 | 5322.1 |
| 57.5° | 3382.1 | 3405.3 | 3487.4 | 3666.6 | 3908.8 | 4305.5 | 5074.4 | 5732.5 | 5925.4 | 6092.3 | 6352.2 |
| 60°   | 3156.3 | 3186.4 | 3305.4 | 3533.9 | 3828.1 | 4198.9 | 5171.6 | 6241.5 | 6547.9 | 6911.8 | 7590.5 |
| 62.5° | 2769.1 | 2799.2 | 2915.5 | 3143.9 | 3395.8 | 3789.7 | 4769.3 | 6316.7 | 6806.5 | 7322.3 | 8348.4 |
| 65°   | 1961.9 | 1914.0 | 2048.1 | 2253.4 | 2542.0 | 2923.7 | 3854.1 | 5811.8 | 6516.5 | 7215.5 | 8482.5 |
| 67.5° | 1093.2 | 1089.0 | 1171.1 | 1324.4 | 1600.7 | 2011.2 | 2655.5 | 4457.4 | 5105.9 | 5898.0 | 7453.7 |
| 70°   | 753.9  | 762.1  | 814.1  | 979.6  | 1208.1 | 1562.4 | 1892.1 | 2799.2 | 3265.8 | 3803.4 | 5333.1 |
| 72.5° | 529.4  | 547.3  | 576.0  | 674.5  | 908.4  | 1316.2 | 1933.2 | 1673.3 | 1905.8 | 2272.4 | 3206.9 |
| 75°   | 310.6  | 322.9  | 343.4  | 391.3  | 517.2  | 879.7  | 2001.6 | 1470.8 | 1470.8 | 1557.0 | 1940.0 |
| 77.5° | 191.5  | 191.5  | 203.8  | 223.0  | 275.0  | 431.0  | 1425.6 | 1652.7 | 1606.2 | 1557.0 | 1561.0 |
| 80°   | 98.5   | 105.4  | 123.1  | 132.7  | 153.3  | 197.0  | 640.3  | 1541.9 | 1691.0 | 1790.9 | 1721.1 |
| 82.5° | 45.2   | 50.6   | 75.2   | 80.7   | 88.9   | 103.9  | 220.3  | 877.0  | 1175.2 | 1547.4 | 1933.2 |
| 85°   | 23.2   | 23.2   | 39.7   | 49.2   | 53.4   | 47.9   | 80.7   | 354.3  | 536.3  | 818.1  | 1280.6 |
| 87.5° | 4.1    | 4.1    | 6.8    | 8.2    | 12.3   | 11.0   | 13.7   | 20.5   | 34.2   | 36.9   | 38.3   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°     | 69°     | 70°     | 71°     | 72°     | 73°     | 74°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1257.3 | 1257.3 | 1257.3 | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  |
| 2.5°  | 1282.0 | 1283.3 | 1282.0 | 1280.6  | 1277.8  | 1277.8  | 1277.8  | 1276.5  | 1276.5  | 1276.5  | 1275.1  |
| 5°    | 1318.9 | 1313.4 | 1314.8 | 1312.0  | 1310.7  | 1309.3  | 1310.7  | 1308.0  | 1305.2  | 1306.5  | 1305.2  |
| 7.5°  | 1365.4 | 1362.7 | 1357.2 | 1357.2  | 1355.9  | 1353.1  | 1353.1  | 1349.0  | 1347.7  | 1344.9  | 1343.5  |
| 10°   | 1417.4 | 1410.6 | 1413.3 | 1410.6  | 1411.9  | 1406.4  | 1403.7  | 1400.9  | 1398.2  | 1398.2  | 1399.6  |
| 12.5° | 1470.8 | 1469.4 | 1465.3 | 1462.6  | 1462.6  | 1458.4  | 1459.8  | 1458.4  | 1454.3  | 1453.0  | 1448.9  |
| 15°   | 1525.5 | 1525.5 | 1521.3 | 1522.7  | 1521.3  | 1518.7  | 1515.9  | 1515.9  | 1513.2  | 1510.5  | 1511.8  |
| 17.5° | 1589.7 | 1589.7 | 1589.7 | 1589.7  | 1591.2  | 1587.0  | 1588.4  | 1585.7  | 1582.9  | 1588.4  | 1588.4  |
| 20°   | 1673.3 | 1678.8 | 1678.8 | 1677.3  | 1684.1  | 1680.1  | 1678.8  | 1685.6  | 1678.8  | 1688.3  | 1686.9  |
| 22.5° | 1769.0 | 1774.5 | 1774.5 | 1780.0  | 1781.3  | 1785.4  | 1788.2  | 1785.4  | 1790.9  | 1796.4  | 1796.4  |
| 25°   | 1875.8 | 1881.2 | 1885.3 | 1893.5  | 1897.6  | 1894.9  | 1896.3  | 1903.1  | 1905.8  | 1911.3  | 1916.8  |
| 27.5° | 1987.9 | 1989.3 | 1994.7 | 2004.4  | 2011.2  | 2013.9  | 2015.2  | 2026.2  | 2027.6  | 2030.4  | 2035.8  |
| 30°   | 2097.4 | 2111.1 | 2108.3 | 2120.6  | 2124.8  | 2128.8  | 2137.0  | 2141.1  | 2150.7  | 2156.2  | 2156.2  |
| 32.5° | 2226.0 | 2223.2 | 2234.2 | 2243.7  | 2250.6  | 2257.4  | 2264.2  | 2269.7  | 2275.2  | 2277.9  | 2291.6  |
| 35°   | 2386.0 | 2391.5 | 2391.5 | 2392.8  | 2409.3  | 2410.7  | 2416.2  | 2428.5  | 2432.5  | 2440.7  | 2446.2  |
| 37.5° | 2544.8 | 2535.1 | 2533.8 | 2533.8  | 2528.3  | 2532.4  | 2533.8  | 2535.1  | 2540.6  | 2542.0  | 2547.5  |
| 40°   | 2722.6 | 2710.3 | 2699.4 | 2692.5  | 2681.6  | 2666.5  | 2663.7  | 2656.9  | 2661.0  | 2659.7  | 2661.0  |
| 42.5° | 2966.1 | 2931.9 | 2905.9 | 2886.7  | 2864.9  | 2848.5  | 2836.2  | 2818.3  | 2806.0  | 2791.0  | 2788.3  |
| 45°   | 3276.7 | 3212.4 | 3168.6 | 3137.1  | 3105.7  | 3060.5  | 3034.5  | 3007.2  | 2982.6  | 2957.9  | 2937.4  |
| 47.5° | 3684.4 | 3616.0 | 3546.2 | 3488.8  | 3439.5  | 3366.9  | 3293.2  | 3252.0  | 3204.1  | 3161.8  | 3131.7  |
| 50°   | 4164.7 | 4082.5 | 4049.7 | 3969.0  | 3907.5  | 3797.9  | 3706.3  | 3639.3  | 3543.5  | 3479.2  | 3423.1  |
| 52.5° | 4655.8 | 4635.2 | 4617.5 | 4549.1  | 4476.6  | 4413.6  | 4332.8  | 4215.2  | 4118.1  | 4044.2  | 3929.3  |
| 55°   | 5324.8 | 5334.4 | 5327.6 | 5290.6  | 5264.6  | 5204.5  | 5171.6  | 5068.9  | 5025.2  | 4918.4  | 4798.0  |
| 57.5° | 6450.8 | 6527.4 | 6624.6 | 6662.8  | 6714.8  | 6665.6  | 6723.0  | 6792.8  | 6619.1  | 6679.3  | 6571.2  |
| 60°   | 7888.7 | 8240.3 | 8449.6 | 8706.8  | 8875.1  | 9110.5  | 9152.8  | 9214.4  | 9196.7  | 9230.9  | 9300.6  |
| 62.5° | 8767.0 | 9184.4 | 9585.2 | 9876.6  | 10188.5 | 10360.9 | 10568.9 | 10713.9 | 10864.5 | 10965.6 | 10936.9 |
| 65°   | 9025.6 | 9455.2 | 9819.2 | 10137.9 | 10417.0 | 10627.7 | 10820.6 | 11002.6 | 11140.7 | 11237.9 | 11295.3 |
| 67.5° | 8076.2 | 8637.1 | 9020.1 | 9393.7  | 9753.5  | 9975.1  | 10136.6 | 10313.1 | 10515.5 | 10683.8 | 10716.7 |
| 70°   | 6077.3 | 6918.7 | 7461.9 | 7909.2  | 8332.0  | 8630.3  | 8856.0  | 9020.1  | 9177.5  | 9297.9  | 9429.2  |
| 72.5° | 3800.7 | 4536.8 | 5157.9 | 5738.0  | 6186.7  | 6597.2  | 6787.4  | 7151.3  | 7103.4  | 7195.0  | 7293.6  |
| 75°   | 2277.9 | 2636.4 | 2978.4 | 3387.6  | 3622.8  | 3964.9  | 4026.4  | 4086.6  | 4055.1  | 3952.5  | 4029.2  |
| 77.5° | 1582.9 | 1641.8 | 1639.1 | 1615.8  | 1591.2  | 1531.0  | 1453.0  | 1410.6  | 1381.9  | 1340.8  | 1357.2  |
| 80°   | 1592.5 | 1465.3 | 1271.0 | 1068.5  | 882.5   | 759.3   | 710.1   | 710.1   | 760.7   | 833.2   | 905.7   |
| 82.5° | 1903.1 | 1767.7 | 1576.1 | 1318.9  | 1045.3  | 851.0   | 721.0   | 669.0   | 678.5   | 752.4   | 845.5   |
| 85°   | 1283.3 | 1313.4 | 1152.0 | 1053.5  | 834.6   | 649.8   | 544.6   | 441.9   | 391.3   | 403.6   | 457.0   |
| 87.5° | 46.5   | 56.1   | 20.5   | 27.4    | 19.2    | 16.4    | 16.4    | 17.8    | 12.3    | 15.0    | 13.7    |
| 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):**

|       | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°     | 83°     | 84°     | 85°     | 86°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  | 1257.3  |
| 2.5°  | 1273.8  | 1272.3  | 1272.3  | 1269.6  | 1269.6  | 1268.3  | 1268.3  | 1266.9  | 1265.5  | 1265.5  | 1264.1  |
| 5°    | 1303.8  | 1302.5  | 1299.7  | 1298.3  | 1295.6  | 1295.6  | 1294.3  | 1291.5  | 1291.5  | 1288.8  | 1287.5  |
| 7.5°  | 1346.2  | 1343.5  | 1340.8  | 1339.4  | 1338.0  | 1333.9  | 1333.9  | 1331.2  | 1331.2  | 1328.5  | 1327.0  |
| 10°   | 1396.9  | 1394.1  | 1391.4  | 1392.7  | 1388.7  | 1387.3  | 1384.6  | 1384.6  | 1380.4  | 1379.1  | 1379.1  |
| 12.5° | 1451.6  | 1450.3  | 1450.3  | 1446.1  | 1444.8  | 1443.4  | 1437.9  | 1437.9  | 1437.9  | 1435.1  | 1436.6  |
| 15°   | 1510.5  | 1511.8  | 1507.7  | 1511.8  | 1510.5  | 1506.3  | 1506.3  | 1506.3  | 1500.8  | 1507.7  | 1502.2  |
| 17.5° | 1589.7  | 1593.9  | 1591.2  | 1592.5  | 1589.7  | 1589.7  | 1591.2  | 1589.7  | 1592.5  | 1592.5  | 1600.7  |
| 20°   | 1688.3  | 1689.6  | 1696.5  | 1693.8  | 1693.8  | 1692.4  | 1695.1  | 1696.5  | 1702.0  | 1699.3  | 1704.7  |
| 22.5° | 1796.4  | 1803.2  | 1804.6  | 1810.1  | 1810.1  | 1808.7  | 1811.4  | 1816.9  | 1819.6  | 1823.7  | 1822.4  |
| 25°   | 1919.5  | 1923.6  | 1929.1  | 1922.3  | 1933.2  | 1933.2  | 1936.0  | 1942.8  | 1944.1  | 1944.1  | 1953.7  |
| 27.5° | 2034.4  | 2045.4  | 2046.7  | 2053.6  | 2049.4  | 2052.2  | 2061.8  | 2065.9  | 2071.4  | 2071.4  | 2074.1  |
| 30°   | 2164.4  | 2168.5  | 2171.2  | 2179.5  | 2178.0  | 2179.5  | 2180.8  | 2187.7  | 2187.7  | 2194.5  | 2201.3  |
| 32.5° | 2298.4  | 2301.2  | 2303.9  | 2312.1  | 2314.9  | 2320.4  | 2317.6  | 2323.1  | 2329.9  | 2331.3  | 2335.4  |
| 35°   | 2458.5  | 2461.2  | 2464.0  | 2476.4  | 2477.7  | 2487.3  | 2490.1  | 2487.3  | 2498.2  | 2491.4  | 2498.2  |
| 37.5° | 2551.6  | 2563.9  | 2566.6  | 2574.8  | 2572.1  | 2579.0  | 2583.0  | 2588.5  | 2591.3  | 2596.7  | 2607.7  |
| 40°   | 2665.2  | 2669.2  | 2677.4  | 2681.6  | 2687.0  | 2688.4  | 2693.9  | 2697.9  | 2702.1  | 2714.4  | 2726.7  |
| 42.5° | 2781.5  | 2786.9  | 2791.0  | 2796.5  | 2803.3  | 2808.8  | 2812.8  | 2825.2  | 2828.0  | 2836.2  | 2859.4  |
| 45°   | 2922.4  | 2919.6  | 2920.9  | 2922.4  | 2925.1  | 2931.9  | 2944.2  | 2956.6  | 2964.8  | 2983.9  | 3003.1  |
| 47.5° | 3097.5  | 3079.7  | 3072.8  | 3061.9  | 3064.7  | 3079.7  | 3082.4  | 3102.9  | 3119.4  | 3137.1  | 3160.4  |
| 50°   | 3362.9  | 3315.0  | 3286.3  | 3257.5  | 3254.8  | 3263.0  | 3274.0  | 3295.9  | 3315.0  | 3338.2  | 3371.1  |
| 52.5° | 3808.9  | 3717.2  | 3659.8  | 3580.4  | 3558.5  | 3554.4  | 3546.2  | 3558.5  | 3564.0  | 3595.4  | 3657.0  |
| 55°   | 4711.9  | 4542.2  | 4432.7  | 4309.6  | 4194.7  | 4160.5  | 4094.8  | 4108.5  | 4094.8  | 4114.0  | 4205.7  |
| 57.5° | 6597.2  | 6461.8  | 6355.0  | 6197.7  | 6000.6  | 5791.3  | 5739.4  | 5524.6  | 5566.9  | 5690.1  | 5610.8  |
| 60°   | 9334.8  | 9285.6  | 9208.9  | 9133.7  | 8864.1  | 8712.3  | 8464.7  | 8437.3  | 8263.5  | 8265.0  | 8151.4  |
| 62.5° | 10867.2 | 10930.1 | 10883.5 | 10861.7 | 10846.6 | 10798.8 | 10675.6 | 10527.9 | 10306.2 | 10146.1 | 9910.8  |
| 65°   | 11305.0 | 11251.6 | 11200.9 | 11194.1 | 11190.1 | 11268.0 | 11285.8 | 11181.8 | 10980.7 | 10731.7 | 10460.8 |
| 67.5° | 10794.6 | 10764.6 | 10767.3 | 10709.8 | 10745.4 | 10880.8 | 10975.2 | 10946.5 | 10761.8 | 10460.8 | 10116.1 |
| 70°   | 9579.7  | 9520.9  | 9581.1  | 9656.4  | 9709.7  | 9787.7  | 9882.1  | 9905.4  | 9737.1  | 9427.9  | 9076.3  |
| 72.5° | 7173.2  | 7182.7  | 7240.2  | 7260.7  | 7475.5  | 7453.7  | 7538.4  | 7262.1  | 7140.3  | 6846.2  | 6665.6  |
| 75°   | 3774.7  | 3713.2  | 3873.2  | 3533.9  | 3394.4  | 3491.5  | 3219.3  | 2957.9  | 3012.6  | 3057.8  | 2732.2  |
| 77.5° | 1333.9  | 1247.8  | 1101.3  | 1042.5  | 867.4   | 734.7   | 600.6   | 541.8   | 510.4   | 493.9   | 473.4   |
| 80°   | 957.7   | 985.1   | 954.9   | 883.8   | 751.1   | 602.0   | 474.7   | 374.9   | 321.6   | 292.7   | 273.7   |
| 82.5° | 968.6   | 1076.7  | 1124.7  | 1104.0  | 983.7   | 744.2   | 491.2   | 313.3   | 232.5   | 194.3   | 180.6   |
| 85°   | 519.9   | 569.1   | 547.3   | 461.0   | 414.5   | 247.7   | 169.6   | 113.6   | 95.8    | 87.6    | 80.7    |
| 87.5° | 20.5    | 16.4    | 13.7    | 13.7    | 15.0    | 16.4    | 13.7    | 15.0    | 13.7    | 13.7    | 13.7    |
| 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):**

|       | 87°     | 88°     | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1257.3  | 1257.3  | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 | 1257.3 |
| 2.5°  | 1261.5  | 1261.5  | 1261.5 | 1260.1 | 1257.3 | 1250.5 | 1243.6 | 1238.1 | 1234.1 | 1229.9 | 1224.5 |
| 5°    | 1286.0  | 1283.3  | 1283.3 | 1283.3 | 1272.3 | 1261.5 | 1251.8 | 1242.3 | 1234.1 | 1227.3 | 1221.8 |
| 7.5°  | 1327.0  | 1325.7  | 1320.2 | 1318.9 | 1310.7 | 1292.8 | 1282.0 | 1265.5 | 1256.0 | 1246.4 | 1243.6 |
| 10°   | 1376.4  | 1375.0  | 1373.6 | 1372.2 | 1361.3 | 1343.5 | 1329.8 | 1314.8 | 1301.1 | 1287.5 | 1273.8 |
| 12.5° | 1433.8  | 1432.4  | 1431.1 | 1426.9 | 1422.9 | 1413.3 | 1398.2 | 1381.9 | 1365.4 | 1336.7 | 1321.7 |
| 15°   | 1505.0  | 1507.7  | 1505.0 | 1503.6 | 1500.8 | 1502.2 | 1492.6 | 1469.4 | 1443.4 | 1406.4 | 1375.0 |
| 17.5° | 1599.4  | 1596.6  | 1595.2 | 1600.7 | 1599.4 | 1606.2 | 1603.4 | 1573.4 | 1533.7 | 1474.8 | 1420.1 |
| 20°   | 1703.3  | 1703.3  | 1708.8 | 1713.0 | 1725.2 | 1743.0 | 1734.8 | 1697.8 | 1625.4 | 1543.2 | 1472.1 |
| 22.5° | 1827.9  | 1830.6  | 1836.1 | 1833.3 | 1852.4 | 1881.2 | 1883.9 | 1831.9 | 1737.5 | 1623.9 | 1524.1 |
| 25°   | 1957.8  | 1960.5  | 1955.0 | 1963.3 | 1994.7 | 2035.8 | 2044.0 | 1970.2 | 1845.6 | 1697.8 | 1567.9 |
| 27.5° | 2080.9  | 2083.6  | 2083.6 | 2094.6 | 2124.8 | 2194.5 | 2202.7 | 2120.6 | 1955.0 | 1762.2 | 1599.4 |
| 30°   | 2201.3  | 2212.3  | 2215.0 | 2217.7 | 2262.9 | 2360.0 | 2377.8 | 2258.8 | 2050.9 | 1810.1 | 1621.2 |
| 32.5° | 2353.2  | 2357.3  | 2362.8 | 2369.6 | 2421.7 | 2540.6 | 2540.6 | 2377.8 | 2112.4 | 1840.1 | 1625.4 |
| 35°   | 2516.1  | 2517.4  | 2529.7 | 2531.1 | 2605.0 | 2723.9 | 2700.7 | 2476.4 | 2156.2 | 1833.3 | 1595.2 |
| 37.5° | 2614.5  | 2620.0  | 2632.3 | 2648.7 | 2726.7 | 2895.0 | 2841.7 | 2561.1 | 2164.4 | 1788.2 | 1526.8 |
| 40°   | 2736.3  | 2747.3  | 2759.6 | 2776.0 | 2892.2 | 3068.7 | 2960.6 | 2614.5 | 2130.2 | 1699.3 | 1424.2 |
| 42.5° | 2867.7  | 2882.7  | 2901.9 | 2931.9 | 3070.2 | 3222.0 | 3051.0 | 2622.7 | 2052.2 | 1599.4 | 1302.5 |
| 45°   | 3015.3  | 3042.7  | 3064.7 | 3100.2 | 3256.2 | 3354.7 | 3105.7 | 2574.8 | 1953.7 | 1468.0 | 1172.5 |
| 47.5° | 3186.4  | 3208.3  | 3246.6 | 3284.9 | 3440.8 | 3445.0 | 3111.2 | 2481.8 | 1819.6 | 1336.7 | 1034.3 |
| 50°   | 3397.1  | 3410.8  | 3468.2 | 3491.5 | 3637.9 | 3539.4 | 3071.5 | 2356.0 | 1678.8 | 1188.9 | 881.0  |
| 52.5° | 3677.5  | 3696.7  | 3770.6 | 3806.2 | 3910.2 | 3668.0 | 3015.3 | 2219.2 | 1517.3 | 1023.4 | 723.7  |
| 55°   | 4231.7  | 4315.1  | 4367.2 | 4428.7 | 4495.8 | 3959.4 | 2990.8 | 2072.7 | 1335.3 | 831.8  | 573.3  |
| 57.5° | 5787.3  | 5759.9  | 5874.8 | 6014.3 | 6013.0 | 4625.7 | 3138.5 | 1946.8 | 1120.5 | 636.2  | 440.5  |
| 60°   | 8104.9  | 8130.9  | 8072.0 | 8155.4 | 7890.1 | 5452.0 | 3341.0 | 1814.2 | 878.3  | 473.4  | 336.6  |
| 62.5° | 9827.4  | 9676.9  | 9593.4 | 9494.9 | 8910.7 | 5542.4 | 3193.3 | 1541.9 | 639.0  | 332.4  | 258.5  |
| 65°   | 10235.0 | 10058.5 | 9879.4 | 9691.9 | 8810.8 | 4996.5 | 2620.0 | 1131.5 | 413.2  | 228.5  | 205.2  |
| 67.5° | 9832.8  | 9549.6  | 9321.1 | 9128.2 | 8073.4 | 4141.3 | 1915.4 | 695.0  | 236.7  | 184.7  | 175.1  |
| 70°   | 8790.3  | 8477.0  | 8107.6 | 7891.4 | 6798.3 | 3052.3 | 1227.3 | 374.9  | 182.0  | 164.1  | 160.1  |
| 72.5° | 6434.4  | 6177.2  | 5773.6 | 5525.9 | 4881.6 | 1855.2 | 685.4  | 210.7  | 169.6  | 157.3  | 151.8  |
| 75°   | 2506.4  | 2372.3  | 2204.0 | 2217.7 | 1979.7 | 820.9  | 310.6  | 182.0  | 165.6  | 154.6  | 149.1  |
| 77.5° | 431.0   | 420.0   | 388.6  | 388.6  | 441.9  | 299.6  | 206.6  | 183.3  | 164.1  | 151.8  | 142.3  |
| 80°   | 258.5   | 253.1   | 240.8  | 238.0  | 229.8  | 210.7  | 198.3  | 186.1  | 161.5  | 143.6  | 131.3  |
| 82.5° | 169.6   | 162.8   | 158.7  | 157.3  | 171.0  | 184.7  | 186.1  | 184.7  | 153.3  | 124.5  | 106.7  |
| 85°   | 72.5    | 72.5    | 72.5   | 73.9   | 98.5   | 149.1  | 153.3  | 164.1  | 125.9  | 97.1   | 76.6   |
| 87.5° | 12.3    | 15.0    | 15.0   | 16.4   | 17.8   | 32.8   | 41.0   | 53.4   | 42.4   | 41.0   | 36.9   |
| 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):**

|       | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1257.3 | 1257.3 | 1257.3 |
| 2.5°  | 1223.1 | 1220.4 | 1220.4 |
| 5°    | 1219.0 | 1216.3 | 1217.6 |
| 7.5°  | 1235.4 | 1229.9 | 1231.3 |
| 10°   | 1265.5 | 1260.1 | 1257.3 |
| 12.5° | 1303.8 | 1297.0 | 1297.0 |
| 15°   | 1343.5 | 1327.0 | 1325.7 |
| 17.5° | 1376.4 | 1355.9 | 1353.1 |
| 20°   | 1413.3 | 1385.9 | 1381.9 |
| 22.5° | 1447.5 | 1410.6 | 1405.1 |
| 25°   | 1472.1 | 1426.9 | 1420.1 |
| 27.5° | 1483.1 | 1429.7 | 1424.2 |
| 30°   | 1491.3 | 1431.1 | 1422.9 |
| 32.5° | 1483.1 | 1418.8 | 1411.9 |
| 35°   | 1437.9 | 1368.2 | 1364.0 |
| 37.5° | 1359.9 | 1282.0 | 1276.5 |
| 40°   | 1257.3 | 1175.2 | 1161.6 |
| 42.5° | 1126.0 | 1049.3 | 1034.3 |
| 45°   | 998.8  | 911.2  | 904.4  |
| 47.5° | 862.0  | 778.4  | 782.6  |
| 50°   | 718.2  | 643.0  | 641.7  |
| 52.5° | 581.5  | 515.8  | 511.7  |
| 55°   | 458.3  | 411.8  | 407.7  |
| 57.5° | 362.6  | 337.9  | 333.8  |
| 60°   | 295.5  | 283.2  | 279.1  |
| 62.5° | 238.0  | 234.0  | 232.5  |
| 65°   | 198.3  | 198.3  | 198.3  |
| 67.5° | 172.4  | 173.8  | 173.8  |
| 70°   | 158.7  | 160.1  | 158.7  |
| 72.5° | 153.3  | 157.3  | 157.3  |
| 75°   | 149.1  | 151.8  | 146.4  |
| 77.5° | 146.4  | 147.8  | 138.1  |
| 80°   | 145.0  | 143.6  | 125.9  |
| 82.5° | 125.9  | 121.8  | 106.7  |
| 85°   | 114.9  | 87.6   | 73.9   |
| 87.5° | 58.9   | 41.0   | 31.5   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)