

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: INVUE

Report Number: P154367

Luminaire Tested: **VXM-F06-LED-E1-T2-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154367  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-F06-LED-E1-T2-7060  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (42) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15571.9 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5  
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: 25 FT



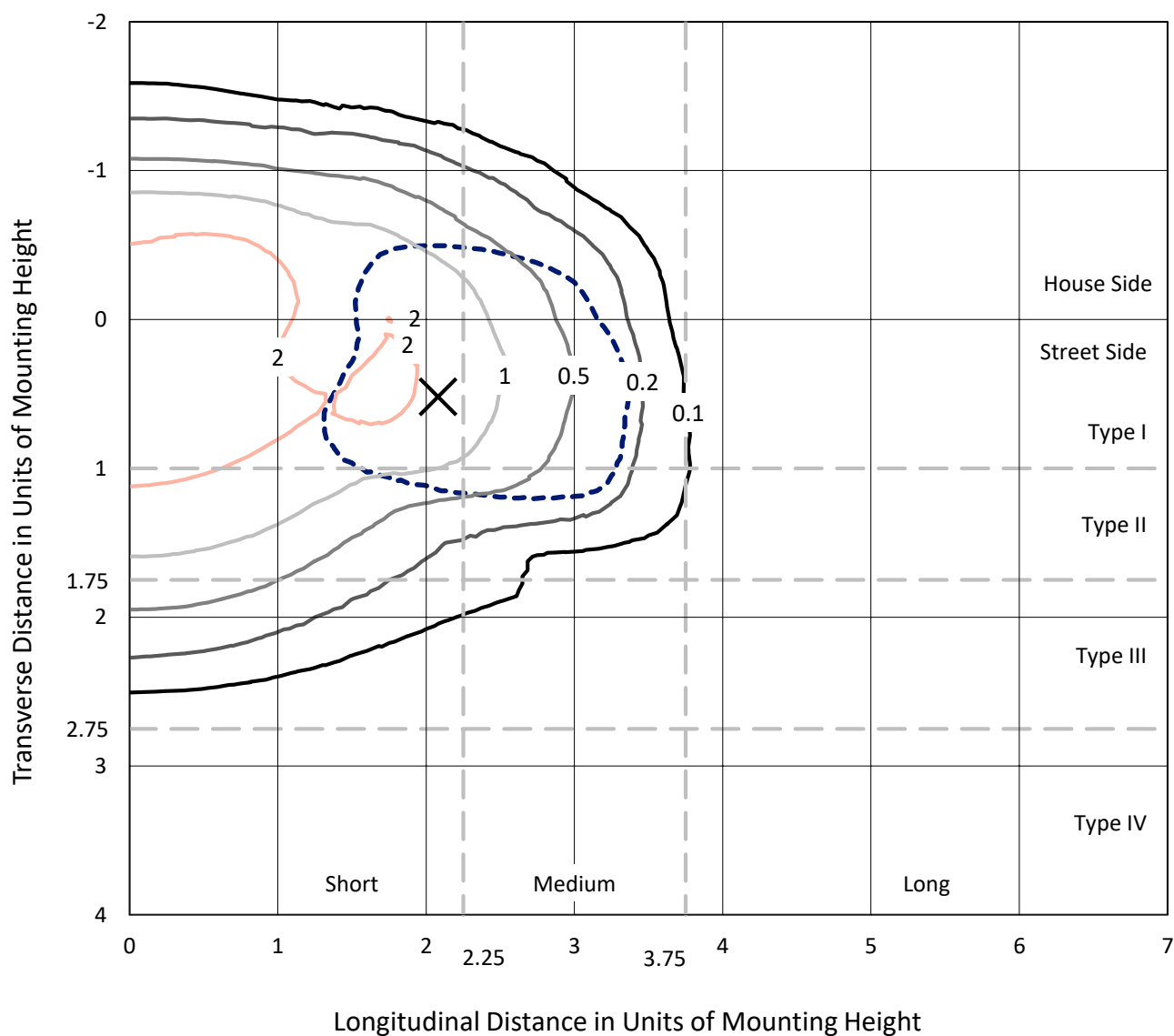
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

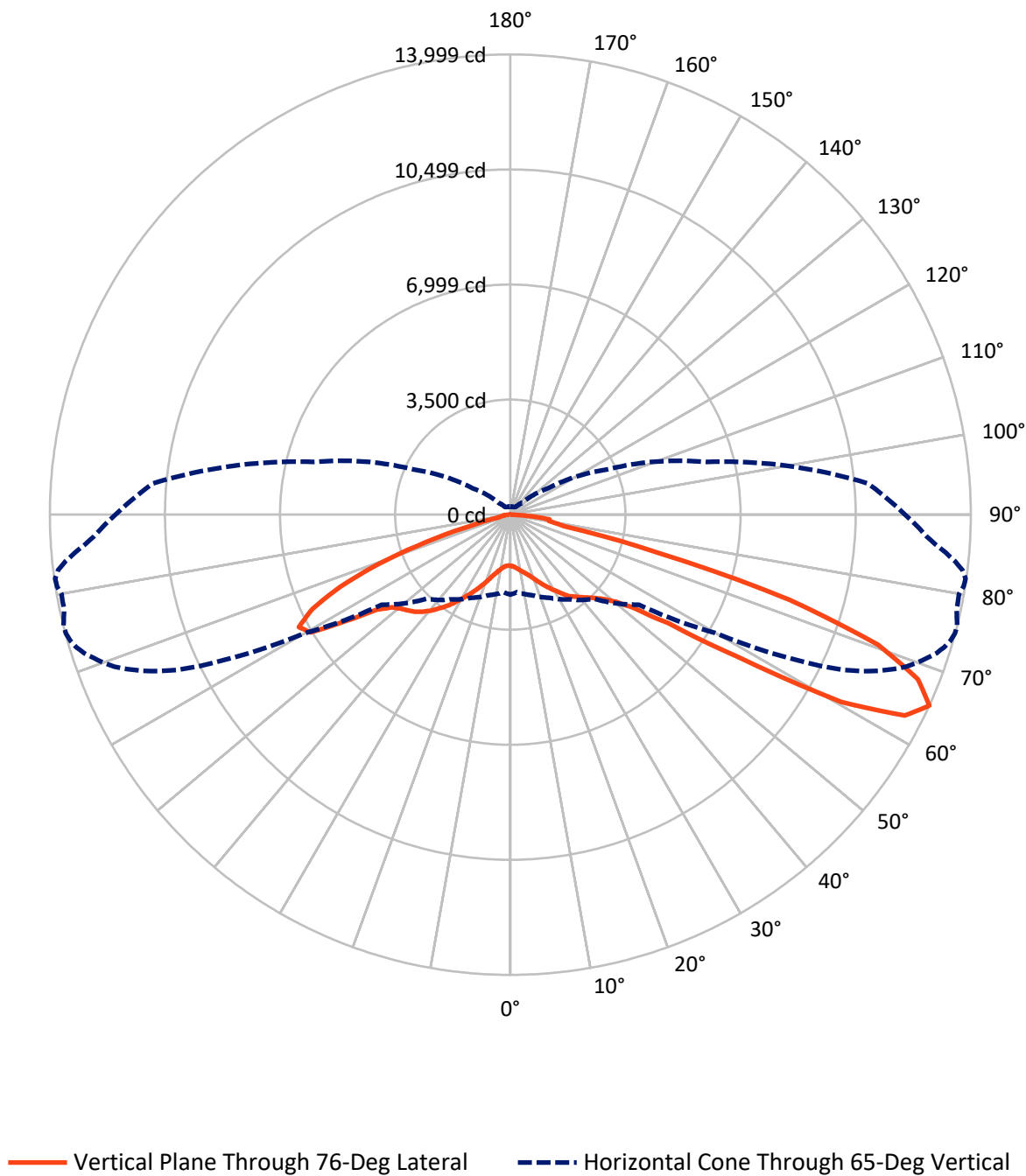


Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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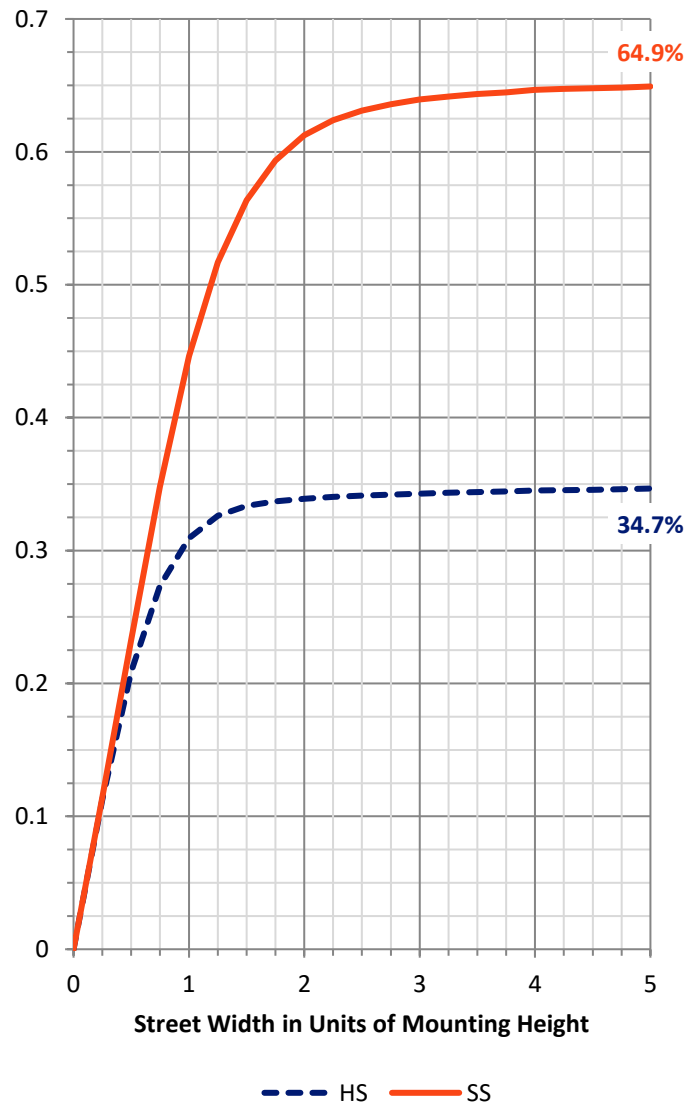
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5452.9   | 0.0    | 5452.9  |
|                    | % Fixture | 35.0     | 0.0    | 35.0    |
| <b>Street Side</b> | Lumens    | 10119.0  | 0.0    | 10119.0 |
|                    | % Fixture | 65.0     | 0.0    | 65.0    |
| <b>Total</b>       | Lumens    | 15571.9  | 0.0    | 15571.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 155.9   | 1.0       |
| 10°-20°   | 535.5   | 3.4       |
| 20°-30°   | 1052.1  | 6.8       |
| 30°-40°   | 1748.1  | 11.2      |
| 40°-50°   | 2568.6  | 16.5      |
| 50°-60°   | 3556.2  | 22.8      |
| 60°-70°   | 4244.7  | 27.3      |
| 70°-80°   | 1501.1  | 9.6       |
| 80°-90°   | 209.7   | 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°    | 15571.9 | 100.0     |
| 0°-180°   | 15571.9 | 100.0     |

**Coefficient of Utilization**



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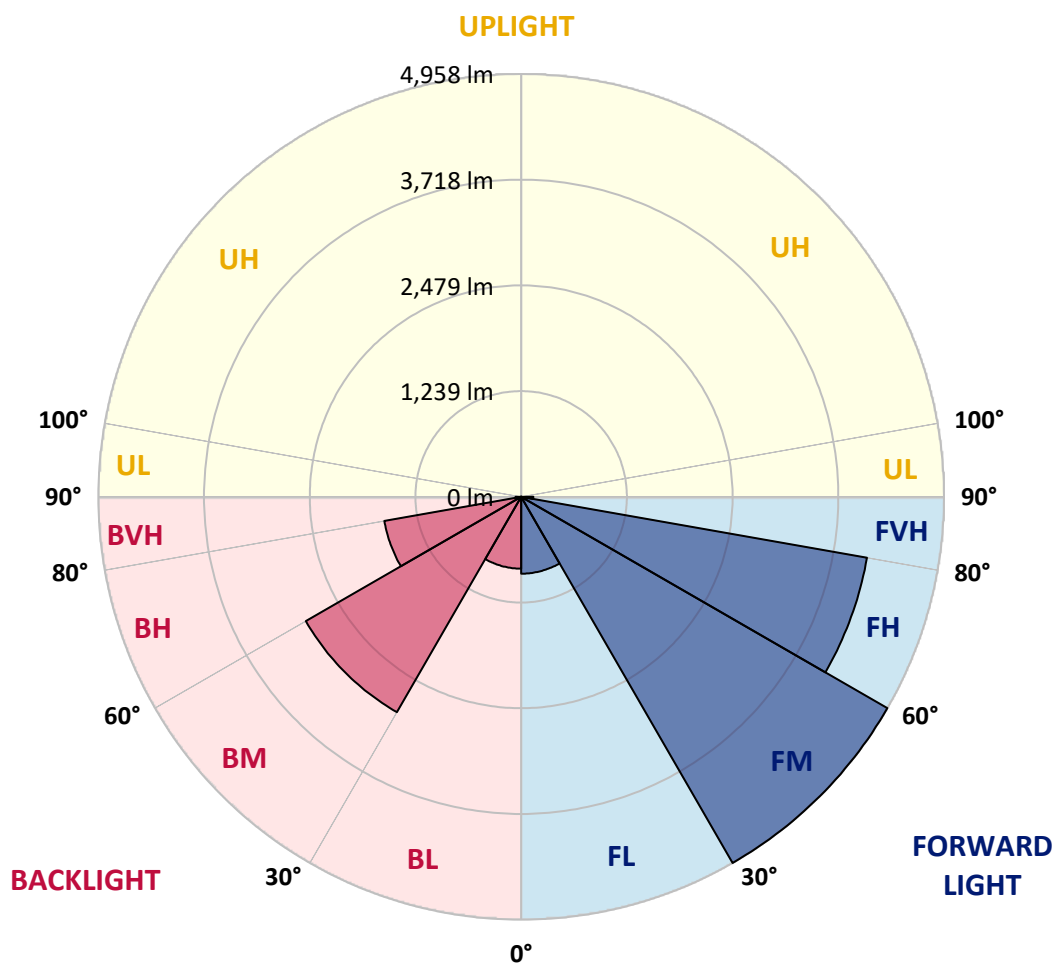
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 901.0  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 4957.6 | 31.8      |                         |      |         |
| FH   | (60°-80°)   | 4117.0 | 26.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 143.4  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 842.4  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2915.3 | 18.7      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1628.8 | 10.5      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 66.4   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: 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°    | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9  |
| 2.5°  | 1624.7 | 1626.4 | 1623.0 | 1621.3 | 1616.2 | 1607.7 | 1601.0 | 1594.2 | 1594.2 | 1594.2 | 1589.1  |
| 5°    | 1695.8 | 1699.2 | 1692.5 | 1687.4 | 1672.1 | 1663.7 | 1651.8 | 1643.3 | 1639.9 | 1638.2 | 1633.2  |
| 7.5°  | 1785.6 | 1780.6 | 1770.4 | 1767.0 | 1755.1 | 1736.5 | 1714.5 | 1697.5 | 1697.5 | 1695.8 | 1697.5  |
| 10°   | 1875.4 | 1861.9 | 1856.8 | 1851.7 | 1833.1 | 1809.4 | 1783.9 | 1765.3 | 1763.6 | 1761.9 | 1756.8  |
| 12.5° | 1965.2 | 1960.1 | 1955.1 | 1936.4 | 1917.8 | 1880.5 | 1851.7 | 1833.1 | 1831.4 | 1833.1 | 1826.3  |
| 15°   | 2083.8 | 2071.9 | 2066.9 | 2034.7 | 1994.0 | 1953.4 | 1917.8 | 1900.8 | 1895.8 | 1897.4 | 1892.4  |
| 17.5° | 2175.3 | 2175.3 | 2163.4 | 2127.9 | 2075.3 | 2019.4 | 1982.2 | 1972.0 | 1970.3 | 1970.3 | 1972.0  |
| 20°   | 2248.1 | 2246.4 | 2234.6 | 2205.8 | 2143.1 | 2087.2 | 2068.6 | 2065.2 | 2063.5 | 2063.5 | 2068.6  |
| 22.5° | 2288.8 | 2285.4 | 2280.3 | 2248.1 | 2199.0 | 2161.7 | 2163.4 | 2173.6 | 2177.0 | 2180.4 | 2187.1  |
| 25°   | 2309.1 | 2304.0 | 2302.4 | 2280.3 | 2244.8 | 2239.7 | 2270.2 | 2297.3 | 2304.0 | 2310.8 | 2319.3  |
| 27.5° | 2343.0 | 2334.5 | 2337.9 | 2329.5 | 2321.0 | 2336.2 | 2398.9 | 2427.7 | 2432.8 | 2441.3 | 2446.4  |
| 30°   | 2436.2 | 2432.8 | 2446.4 | 2449.7 | 2456.5 | 2478.5 | 2536.1 | 2563.3 | 2575.1 | 2575.1 | 2598.8  |
| 32.5° | 2614.1 | 2615.8 | 2619.2 | 2654.7 | 2666.6 | 2681.8 | 2712.3 | 2734.4 | 2736.1 | 2737.7 | 2759.8  |
| 35°   | 2853.0 | 2863.1 | 2891.9 | 2922.4 | 2951.2 | 2949.5 | 2930.9 | 2942.7 | 2934.3 | 2944.4 | 2946.1  |
| 37.5° | 3154.5 | 3141.0 | 3183.3 | 3252.8 | 3296.8 | 3285.0 | 3201.9 | 3147.7 | 3163.0 | 3156.2 | 3151.1  |
| 40°   | 3386.6 | 3401.9 | 3483.2 | 3574.7 | 3608.5 | 3645.8 | 3537.4 | 3444.2 | 3430.7 | 3405.2 | 3390.0  |
| 42.5° | 3706.8 | 3708.5 | 3774.6 | 3842.3 | 3940.6 | 4021.9 | 3952.5 | 3818.6 | 3778.0 | 3747.5 | 3681.4  |
| 45°   | 4003.3 | 3998.2 | 4052.4 | 4135.4 | 4252.3 | 4369.2 | 4394.6 | 4248.9 | 4233.7 | 4179.5 | 4093.1  |
| 47.5° | 4201.5 | 4194.7 | 4232.0 | 4340.4 | 4530.2 | 4721.6 | 4826.6 | 4782.6 | 4753.8 | 4731.8 | 4596.2  |
| 50°   | 4335.3 | 4321.8 | 4364.1 | 4479.3 | 4691.1 | 4985.9 | 5260.3 | 5297.6 | 5285.8 | 5285.8 | 5199.4  |
| 52.5° | 4435.3 | 4435.3 | 4465.8 | 4559.0 | 4774.1 | 5141.7 | 5633.1 | 5821.1 | 5836.4 | 5853.3 | 5848.2  |
| 55°   | 4379.4 | 4387.9 | 4464.1 | 4599.6 | 4826.6 | 5250.2 | 5941.4 | 6353.1 | 6437.8 | 6508.9 | 6590.2  |
| 57.5° | 4187.9 | 4216.7 | 4318.4 | 4540.3 | 4840.2 | 5331.5 | 6283.6 | 7098.5 | 7337.4 | 7544.1 | 7865.9  |
| 60°   | 3908.4 | 3945.7 | 4093.1 | 4376.0 | 4740.2 | 5199.4 | 6403.9 | 7728.7 | 8108.2 | 8558.9 | 9399.2  |
| 62.5° | 3429.0 | 3466.2 | 3610.2 | 3893.2 | 4204.9 | 4692.8 | 5905.8 | 7821.9 | 8428.4 | 9067.1 | 10337.7 |
| 65°   | 2429.4 | 2370.1 | 2536.1 | 2790.3 | 3147.7 | 3620.4 | 4772.4 | 7196.8 | 8069.2 | 8935.0 | 10503.7 |
| 67.5° | 1353.6 | 1348.5 | 1450.2 | 1639.9 | 1982.2 | 2490.4 | 3288.3 | 5519.5 | 6322.6 | 7303.5 | 9229.7  |
| 70°   | 933.5  | 943.6  | 1008.0 | 1213.0 | 1495.9 | 1934.7 | 2343.0 | 3466.2 | 4043.9 | 4709.7 | 6603.8  |
| 72.5° | 655.6  | 677.7  | 713.2  | 835.2  | 1124.9 | 1629.8 | 2393.8 | 2071.9 | 2360.0 | 2814.0 | 3971.1  |
| 75°   | 384.6  | 399.8  | 425.2  | 484.5  | 640.4  | 1089.3 | 2478.5 | 1821.2 | 1821.2 | 1927.9 | 2402.3  |
| 77.5° | 237.2  | 237.2  | 252.4  | 276.1  | 340.5  | 533.7  | 1765.3 | 2046.5 | 1988.9 | 1927.9 | 1933.0  |
| 80°   | 122.0  | 130.4  | 152.5  | 164.3  | 189.7  | 244.0  | 792.9  | 1909.3 | 2094.0 | 2217.6 | 2131.2  |
| 82.5° | 55.9   | 62.7   | 93.2   | 100.0  | 110.1  | 128.8  | 272.8  | 1086.0 | 1455.3 | 1916.1 | 2393.8  |
| 85°   | 28.8   | 28.8   | 49.1   | 61.0   | 66.1   | 59.3   | 100.0  | 438.8  | 664.1  | 1013.1 | 1585.7  |
| 87.5° | 5.1    | 5.1    | 8.5    | 10.2   | 15.2   | 13.6   | 16.9   | 25.4   | 42.4   | 45.7   | 47.4    |
| 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):**

|       | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     | 72°     | 73°     | 74°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  |
| 2.5°  | 1587.4  | 1589.1  | 1587.4  | 1585.7  | 1582.3  | 1582.3  | 1582.3  | 1580.6  | 1580.6  | 1580.6  | 1578.9  |
| 5°    | 1633.2  | 1626.4  | 1628.1  | 1624.7  | 1623.0  | 1621.3  | 1623.0  | 1619.6  | 1616.2  | 1617.9  | 1616.2  |
| 7.5°  | 1690.8  | 1687.4  | 1680.6  | 1680.6  | 1678.9  | 1675.5  | 1675.5  | 1670.4  | 1668.7  | 1665.4  | 1663.7  |
| 10°   | 1755.1  | 1746.7  | 1750.1  | 1746.7  | 1748.4  | 1741.6  | 1738.2  | 1734.8  | 1731.4  | 1731.4  | 1733.1  |
| 12.5° | 1821.2  | 1819.5  | 1814.4  | 1811.0  | 1811.0  | 1806.0  | 1807.7  | 1806.0  | 1800.9  | 1799.2  | 1794.1  |
| 15°   | 1889.0  | 1889.0  | 1883.9  | 1885.6  | 1883.9  | 1880.5  | 1877.1  | 1877.1  | 1873.7  | 1870.3  | 1872.0  |
| 17.5° | 1968.6  | 1968.6  | 1968.6  | 1968.6  | 1970.3  | 1965.2  | 1966.9  | 1963.5  | 1960.1  | 1966.9  | 1966.9  |
| 20°   | 2071.9  | 2078.7  | 2078.7  | 2077.0  | 2085.5  | 2080.4  | 2078.7  | 2087.2  | 2078.7  | 2090.6  | 2088.9  |
| 22.5° | 2190.5  | 2197.3  | 2197.3  | 2204.1  | 2205.8  | 2210.9  | 2214.3  | 2210.9  | 2217.6  | 2224.4  | 2224.4  |
| 25°   | 2322.7  | 2329.5  | 2334.5  | 2344.7  | 2349.8  | 2346.4  | 2348.1  | 2356.6  | 2360.0  | 2366.7  | 2373.5  |
| 27.5° | 2461.6  | 2463.3  | 2470.1  | 2481.9  | 2490.4  | 2493.8  | 2495.5  | 2509.0  | 2510.7  | 2514.1  | 2520.9  |
| 30°   | 2597.1  | 2614.1  | 2610.7  | 2625.9  | 2631.0  | 2636.1  | 2646.3  | 2651.3  | 2663.2  | 2670.0  | 2670.0  |
| 32.5° | 2756.4  | 2753.0  | 2766.5  | 2778.4  | 2786.9  | 2795.3  | 2803.8  | 2810.6  | 2817.4  | 2820.8  | 2837.7  |
| 35°   | 2954.6  | 2961.4  | 2961.4  | 2963.1  | 2983.4  | 2985.1  | 2991.9  | 3007.1  | 3012.2  | 3022.4  | 3029.1  |
| 37.5° | 3151.1  | 3139.3  | 3137.6  | 3137.6  | 3130.8  | 3135.9  | 3137.6  | 3139.3  | 3146.0  | 3147.7  | 3154.5  |
| 40°   | 3371.4  | 3356.1  | 3342.6  | 3334.1  | 3320.5  | 3301.9  | 3298.5  | 3290.0  | 3295.1  | 3293.4  | 3295.1  |
| 42.5° | 3672.9  | 3630.6  | 3598.4  | 3574.7  | 3547.6  | 3527.2  | 3512.0  | 3490.0  | 3474.7  | 3456.1  | 3452.7  |
| 45°   | 4057.5  | 3977.9  | 3923.7  | 3884.7  | 3845.7  | 3789.8  | 3757.6  | 3723.7  | 3693.2  | 3662.8  | 3637.3  |
| 47.5° | 4562.3  | 4477.6  | 4391.2  | 4320.1  | 4259.1  | 4169.3  | 4077.8  | 4027.0  | 3967.7  | 3915.2  | 3877.9  |
| 50°   | 5157.0  | 5055.3  | 5014.7  | 4914.7  | 4838.5  | 4703.0  | 4589.5  | 4506.4  | 4387.9  | 4308.2  | 4238.8  |
| 52.5° | 5765.2  | 5739.8  | 5717.8  | 5633.1  | 5543.3  | 5465.3  | 5365.4  | 5219.7  | 5099.4  | 5007.9  | 4865.6  |
| 55°   | 6593.6  | 6605.5  | 6597.0  | 6551.3  | 6519.1  | 6444.6  | 6403.9  | 6276.8  | 6222.6  | 6090.5  | 5941.4  |
| 57.5° | 7987.9  | 8082.8  | 8203.1  | 8250.5  | 8314.9  | 8253.9  | 8325.1  | 8411.5  | 8196.3  | 8270.8  | 8137.0  |
| 60°   | 9768.5  | 10203.9 | 10463.1 | 10781.6 | 10990.0 | 11281.4 | 11333.9 | 11410.1 | 11388.1 | 11430.4 | 11516.8 |
| 62.5° | 10856.1 | 11372.8 | 11869.2 | 12230.1 | 12616.3 | 12829.8 | 13087.3 | 13266.9 | 13453.3 | 13578.6 | 13543.0 |
| 65°   | 11176.3 | 11708.3 | 12158.9 | 12553.7 | 12899.3 | 13160.2 | 13399.0 | 13624.4 | 13795.5 | 13915.8 | 13986.9 |
| 67.5° | 10000.6 | 10695.2 | 11169.5 | 11632.0 | 12077.6 | 12352.1 | 12552.0 | 12770.5 | 13021.2 | 13229.6 | 13270.3 |
| 70°   | 7525.4  | 8567.3  | 9239.9  | 9793.9  | 10317.4 | 10686.7 | 10966.2 | 11169.5 | 11364.4 | 11513.5 | 11676.1 |
| 72.5° | 4706.4  | 5617.8  | 6387.0  | 7105.3  | 7661.0  | 8169.2  | 8404.7  | 8855.3  | 8796.0  | 8909.5  | 9031.5  |
| 75°   | 2820.8  | 3264.6  | 3688.2  | 4194.7  | 4486.1  | 4909.7  | 4985.9  | 5060.4  | 5021.5  | 4894.4  | 4989.3  |
| 77.5° | 1960.1  | 2033.0  | 2029.6  | 2000.8  | 1970.3  | 1895.8  | 1799.2  | 1746.7  | 1711.1  | 1660.3  | 1680.6  |
| 80°   | 1972.0  | 1814.4  | 1573.9  | 1323.1  | 1092.7  | 940.3   | 879.3   | 879.3   | 941.9   | 1031.7  | 1121.5  |
| 82.5° | 2356.6  | 2188.8  | 1951.7  | 1633.2  | 1294.3  | 1053.8  | 892.8   | 828.4   | 840.3   | 931.8   | 1047.0  |
| 85°   | 1589.1  | 1626.4  | 1426.5  | 1304.5  | 1033.4  | 804.7   | 674.3   | 547.2   | 484.5   | 499.8   | 565.8   |
| 87.5° | 57.6    | 69.5    | 25.4    | 33.9    | 23.7    | 20.3    | 20.3    | 22.0    | 15.2    | 18.6    | 16.9    |
| 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):**

|       | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°     | 83°     | 84°     | 85°     | 86°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  |
| 2.5°  | 1577.3  | 1575.6  | 1575.6  | 1572.2  | 1572.2  | 1570.5  | 1570.5  | 1568.8  | 1567.1  | 1567.1  | 1565.4  |
| 5°    | 1614.5  | 1612.8  | 1609.4  | 1607.7  | 1604.4  | 1604.4  | 1602.7  | 1599.3  | 1599.3  | 1595.9  | 1594.2  |
| 7.5°  | 1667.0  | 1663.7  | 1660.3  | 1658.6  | 1656.9  | 1651.8  | 1651.8  | 1648.4  | 1648.4  | 1645.0  | 1643.3  |
| 10°   | 1729.7  | 1726.3  | 1723.0  | 1724.6  | 1719.6  | 1717.9  | 1714.5  | 1714.5  | 1709.4  | 1707.7  | 1707.7  |
| 12.5° | 1797.5  | 1795.8  | 1795.8  | 1790.7  | 1789.0  | 1787.3  | 1780.6  | 1780.6  | 1780.6  | 1777.2  | 1778.9  |
| 15°   | 1870.3  | 1872.0  | 1867.0  | 1872.0  | 1870.3  | 1865.3  | 1865.3  | 1865.3  | 1858.5  | 1867.0  | 1860.2  |
| 17.5° | 1968.6  | 1973.7  | 1970.3  | 1972.0  | 1968.6  | 1968.6  | 1970.3  | 1968.6  | 1972.0  | 1972.0  | 1982.2  |
| 20°   | 2090.6  | 2092.3  | 2100.7  | 2097.4  | 2097.4  | 2095.7  | 2099.1  | 2100.7  | 2107.5  | 2104.1  | 2110.9  |
| 22.5° | 2224.4  | 2232.9  | 2234.6  | 2241.4  | 2241.4  | 2239.7  | 2243.1  | 2249.8  | 2253.2  | 2258.3  | 2256.6  |
| 25°   | 2376.9  | 2382.0  | 2388.8  | 2380.3  | 2393.8  | 2393.8  | 2397.2  | 2405.7  | 2407.4  | 2407.4  | 2419.2  |
| 27.5° | 2519.2  | 2532.8  | 2534.5  | 2542.9  | 2537.8  | 2541.2  | 2553.1  | 2558.2  | 2564.9  | 2564.9  | 2568.3  |
| 30°   | 2680.1  | 2685.2  | 2688.6  | 2698.8  | 2697.1  | 2698.8  | 2700.5  | 2708.9  | 2708.9  | 2717.4  | 2725.9  |
| 32.5° | 2846.2  | 2849.6  | 2853.0  | 2863.1  | 2866.5  | 2873.3  | 2869.9  | 2876.7  | 2885.1  | 2886.8  | 2891.9  |
| 35°   | 3044.4  | 3047.8  | 3051.2  | 3066.4  | 3068.1  | 3080.0  | 3083.4  | 3080.0  | 3093.5  | 3085.0  | 3093.5  |
| 37.5° | 3159.6  | 3174.8  | 3178.2  | 3188.4  | 3185.0  | 3193.5  | 3198.6  | 3205.3  | 3208.7  | 3215.5  | 3229.1  |
| 40°   | 3300.2  | 3305.3  | 3315.5  | 3320.5  | 3327.3  | 3329.0  | 3335.8  | 3340.9  | 3345.9  | 3361.2  | 3376.4  |
| 42.5° | 3444.2  | 3451.0  | 3456.1  | 3462.8  | 3471.3  | 3478.1  | 3483.2  | 3498.4  | 3501.8  | 3512.0  | 3540.8  |
| 45°   | 3618.7  | 3615.3  | 3617.0  | 3618.7  | 3622.1  | 3630.6  | 3645.8  | 3661.1  | 3671.2  | 3694.9  | 3718.7  |
| 47.5° | 3835.6  | 3813.5  | 3805.1  | 3791.5  | 3794.9  | 3813.5  | 3816.9  | 3842.3  | 3862.7  | 3884.7  | 3913.5  |
| 50°   | 4164.2  | 4104.9  | 4069.4  | 4033.8  | 4030.4  | 4040.6  | 4054.1  | 4081.2  | 4104.9  | 4133.7  | 4174.4  |
| 52.5° | 4716.5  | 4603.0  | 4531.9  | 4433.6  | 4406.5  | 4401.4  | 4391.2  | 4406.5  | 4413.3  | 4452.2  | 4528.5  |
| 55°   | 5834.7  | 5624.6  | 5489.1  | 5336.6  | 5194.3  | 5151.9  | 5070.6  | 5087.5  | 5070.6  | 5094.3  | 5207.8  |
| 57.5° | 8169.2  | 8001.5  | 7869.3  | 7674.5  | 7430.5  | 7171.3  | 7107.0  | 6841.0  | 6893.5  | 7046.0  | 6947.7  |
| 60°   | 11559.2 | 11498.2 | 11403.3 | 11310.2 | 10976.4 | 10788.4 | 10481.7 | 10447.8 | 10232.7 | 10234.4 | 10093.8 |
| 62.5° | 13456.6 | 13534.6 | 13477.0 | 13449.9 | 13431.2 | 13371.9 | 13219.5 | 13036.5 | 12762.0 | 12563.8 | 12272.4 |
| 65°   | 13998.8 | 13932.7 | 13870.0 | 13861.5 | 13856.5 | 13953.0 | 13975.1 | 13846.3 | 13597.3 | 13288.9 | 12953.5 |
| 67.5° | 13366.9 | 13329.6 | 13333.0 | 13261.8 | 13305.9 | 13473.6 | 13590.5 | 13554.9 | 13326.2 | 12953.5 | 12526.6 |
| 70°   | 11862.4 | 11789.6 | 11864.1 | 11957.3 | 12023.4 | 12120.0 | 12236.9 | 12265.7 | 12057.3 | 11674.4 | 11239.0 |
| 72.5° | 8882.4  | 8894.3  | 8965.4  | 8990.9  | 9256.8  | 9229.7  | 9334.8  | 8992.6  | 8841.8  | 8477.5  | 8253.9  |
| 75°   | 4674.2  | 4597.9  | 4796.1  | 4376.0  | 4203.2  | 4323.5  | 3986.3  | 3662.8  | 3730.5  | 3786.4  | 3383.2  |
| 77.5° | 1651.8  | 1545.1  | 1363.8  | 1290.9  | 1074.1  | 909.8   | 743.7   | 670.9   | 631.9   | 611.6   | 586.2   |
| 80°   | 1185.9  | 1219.8  | 1182.5  | 1094.4  | 930.1   | 745.4   | 587.9   | 464.2   | 398.1   | 362.5   | 338.8   |
| 82.5° | 1199.5  | 1333.3  | 1392.6  | 1367.2  | 1218.1  | 921.6   | 608.2   | 388.0   | 288.0   | 240.6   | 223.6   |
| 85°   | 643.8   | 704.8   | 677.7   | 570.9   | 513.3   | 306.6   | 210.1   | 140.6   | 118.6   | 108.4   | 100.0   |
| 87.5° | 25.4    | 20.3    | 16.9    | 16.9    | 18.6    | 20.3    | 16.9    | 18.6    | 16.9    | 16.9    | 16.9    |
| 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):**

|       | 87°     | 88°     | 89°     | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9  | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 | 1556.9 |
| 2.5°  | 1562.0  | 1562.0  | 1562.0  | 1560.3  | 1556.9  | 1548.5 | 1540.0 | 1533.2 | 1528.1 | 1523.0 | 1516.3 |
| 5°    | 1592.5  | 1589.1  | 1589.1  | 1589.1  | 1575.6  | 1562.0 | 1550.1 | 1538.3 | 1528.1 | 1519.7 | 1512.9 |
| 7.5°  | 1643.3  | 1641.6  | 1634.9  | 1633.2  | 1623.0  | 1601.0 | 1587.4 | 1567.1 | 1555.2 | 1543.4 | 1540.0 |
| 10°   | 1704.3  | 1702.6  | 1700.9  | 1699.2  | 1685.7  | 1663.7 | 1646.7 | 1628.1 | 1611.1 | 1594.2 | 1577.3 |
| 12.5° | 1775.5  | 1773.8  | 1772.1  | 1767.0  | 1761.9  | 1750.1 | 1731.4 | 1711.1 | 1690.8 | 1655.2 | 1636.6 |
| 15°   | 1863.6  | 1867.0  | 1863.6  | 1861.9  | 1858.5  | 1860.2 | 1848.3 | 1819.5 | 1787.3 | 1741.6 | 1702.6 |
| 17.5° | 1980.5  | 1977.1  | 1975.4  | 1982.2  | 1980.5  | 1988.9 | 1985.5 | 1948.3 | 1899.1 | 1826.3 | 1758.5 |
| 20°   | 2109.2  | 2109.2  | 2116.0  | 2121.1  | 2136.3  | 2158.3 | 2148.2 | 2102.4 | 2012.7 | 1911.0 | 1822.9 |
| 22.5° | 2263.4  | 2266.8  | 2273.6  | 2270.2  | 2293.9  | 2329.5 | 2332.8 | 2268.5 | 2151.6 | 2011.0 | 1887.3 |
| 25°   | 2424.3  | 2427.7  | 2420.9  | 2431.1  | 2470.1  | 2520.9 | 2531.1 | 2439.6 | 2285.4 | 2102.4 | 1941.5 |
| 27.5° | 2576.8  | 2580.2  | 2580.2  | 2593.7  | 2631.0  | 2717.4 | 2727.6 | 2625.9 | 2420.9 | 2182.1 | 1980.5 |
| 30°   | 2725.9  | 2739.4  | 2742.8  | 2746.2  | 2802.1  | 2922.4 | 2944.4 | 2797.0 | 2539.5 | 2241.4 | 2007.6 |
| 32.5° | 2913.9  | 2919.0  | 2925.8  | 2934.3  | 2998.6  | 3146.0 | 3146.0 | 2944.4 | 2615.8 | 2278.6 | 2012.7 |
| 35°   | 3115.5  | 3117.2  | 3132.5  | 3134.2  | 3225.7  | 3373.1 | 3344.3 | 3066.4 | 2670.0 | 2270.2 | 1975.4 |
| 37.5° | 3237.5  | 3244.3  | 3259.5  | 3279.9  | 3376.4  | 3584.8 | 3518.8 | 3171.5 | 2680.1 | 2214.3 | 1890.7 |
| 40°   | 3388.3  | 3401.9  | 3417.1  | 3437.4  | 3581.4  | 3800.0 | 3666.1 | 3237.5 | 2637.8 | 2104.1 | 1763.6 |
| 42.5° | 3550.9  | 3569.6  | 3593.3  | 3630.6  | 3801.7  | 3989.7 | 3778.0 | 3247.7 | 2541.2 | 1980.5 | 1612.8 |
| 45°   | 3733.9  | 3767.8  | 3794.9  | 3838.9  | 4032.1  | 4154.1 | 3845.7 | 3188.4 | 2419.2 | 1817.8 | 1451.9 |
| 47.5° | 3945.7  | 3972.8  | 4020.2  | 4067.7  | 4260.8  | 4265.9 | 3852.5 | 3073.2 | 2253.2 | 1655.2 | 1280.8 |
| 50°   | 4206.6  | 4223.5  | 4294.7  | 4323.5  | 4504.7  | 4382.8 | 3803.4 | 2917.3 | 2078.7 | 1472.2 | 1091.0 |
| 52.5° | 4553.9  | 4577.6  | 4669.1  | 4713.1  | 4841.9  | 4542.0 | 3733.9 | 2747.9 | 1878.8 | 1267.2 | 896.2  |
| 55°   | 5240.0  | 5343.4  | 5407.7  | 5484.0  | 5567.0  | 4902.9 | 3703.4 | 2566.6 | 1653.5 | 1030.0 | 709.8  |
| 57.5° | 7166.3  | 7132.4  | 7274.7  | 7447.5  | 7445.8  | 5727.9 | 3886.4 | 2410.8 | 1387.5 | 787.8  | 545.5  |
| 60°   | 10036.2 | 10068.3 | 9995.5  | 10098.8 | 9770.2  | 6751.2 | 4137.1 | 2246.4 | 1087.6 | 586.2  | 416.8  |
| 62.5° | 12169.1 | 11982.7 | 11879.4 | 11757.4 | 11034.0 | 6863.0 | 3954.1 | 1909.3 | 791.2  | 411.7  | 320.2  |
| 65°   | 12673.9 | 12455.4 | 12233.5 | 12001.4 | 10910.3 | 6187.0 | 3244.3 | 1401.1 | 511.6  | 282.9  | 254.1  |
| 67.5° | 12175.9 | 11825.2 | 11542.3 | 11303.4 | 9997.2  | 5128.2 | 2371.8 | 860.6  | 293.1  | 228.7  | 216.9  |
| 70°   | 10884.9 | 10497.0 | 10039.5 | 9771.9  | 8418.2  | 3779.7 | 1519.7 | 464.2  | 225.3  | 203.3  | 198.2  |
| 72.5° | 7967.6  | 7649.1  | 7149.3  | 6842.7  | 6044.7  | 2297.3 | 848.8  | 260.9  | 210.1  | 194.8  | 188.1  |
| 75°   | 3103.7  | 2937.7  | 2729.3  | 2746.2  | 2451.4  | 1016.5 | 384.6  | 225.3  | 205.0  | 191.4  | 184.7  |
| 77.5° | 533.7   | 520.1   | 481.1   | 481.1   | 547.2   | 371.0  | 255.8  | 227.0  | 203.3  | 188.1  | 176.2  |
| 80°   | 320.2   | 313.4   | 298.2   | 294.8   | 284.6   | 260.9  | 245.7  | 230.4  | 199.9  | 177.9  | 162.6  |
| 82.5° | 210.1   | 201.6   | 196.5   | 194.8   | 211.8   | 228.7  | 230.4  | 228.7  | 189.7  | 154.2  | 132.1  |
| 85°   | 89.8    | 89.8    | 89.8    | 91.5    | 122.0   | 184.7  | 189.7  | 203.3  | 155.9  | 120.3  | 94.9   |
| 87.5° | 15.2    | 18.6    | 18.6    | 20.3    | 22.0    | 40.7   | 50.8   | 66.1   | 52.5   | 50.8   | 45.7   |
| 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):**

|       | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1556.9 | 1556.9 | 1556.9 |
| 2.5°  | 1514.6 | 1511.2 | 1511.2 |
| 5°    | 1509.5 | 1506.1 | 1507.8 |
| 7.5°  | 1529.8 | 1523.0 | 1524.7 |
| 10°   | 1567.1 | 1560.3 | 1556.9 |
| 12.5° | 1614.5 | 1606.1 | 1606.1 |
| 15°   | 1663.7 | 1643.3 | 1641.6 |
| 17.5° | 1704.3 | 1678.9 | 1675.5 |
| 20°   | 1750.1 | 1716.2 | 1711.1 |
| 22.5° | 1792.4 | 1746.7 | 1739.9 |
| 25°   | 1822.9 | 1767.0 | 1758.5 |
| 27.5° | 1836.5 | 1770.4 | 1763.6 |
| 30°   | 1846.6 | 1772.1 | 1761.9 |
| 32.5° | 1836.5 | 1756.8 | 1748.4 |
| 35°   | 1780.6 | 1694.2 | 1689.1 |
| 37.5° | 1684.0 | 1587.4 | 1580.6 |
| 40°   | 1556.9 | 1455.3 | 1438.3 |
| 42.5° | 1394.3 | 1299.4 | 1280.8 |
| 45°   | 1236.7 | 1128.3 | 1119.8 |
| 47.5° | 1067.3 | 964.0  | 969.1  |
| 50°   | 889.4  | 796.3  | 794.6  |
| 52.5° | 720.0  | 638.7  | 633.6  |
| 55°   | 567.5  | 509.9  | 504.9  |
| 57.5° | 449.0  | 418.5  | 413.4  |
| 60°   | 365.9  | 350.7  | 345.6  |
| 62.5° | 294.8  | 289.7  | 288.0  |
| 65°   | 245.7  | 245.7  | 245.7  |
| 67.5° | 213.5  | 215.2  | 215.2  |
| 70°   | 196.5  | 198.2  | 196.5  |
| 72.5° | 189.7  | 194.8  | 194.8  |
| 75°   | 184.7  | 188.1  | 181.3  |
| 77.5° | 181.3  | 183.0  | 171.1  |
| 80°   | 179.6  | 177.9  | 155.9  |
| 82.5° | 155.9  | 150.8  | 132.1  |
| 85°   | 142.3  | 108.4  | 91.5   |
| 87.5° | 72.8   | 50.8   | 39.0   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)