

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: P159144

Luminaire Tested: **VST-F08-LED-E-U-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159144  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-F08-LED-E-U-SLR-7030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (56) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16209.5 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G4

Input Watts (W): 204.4  
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



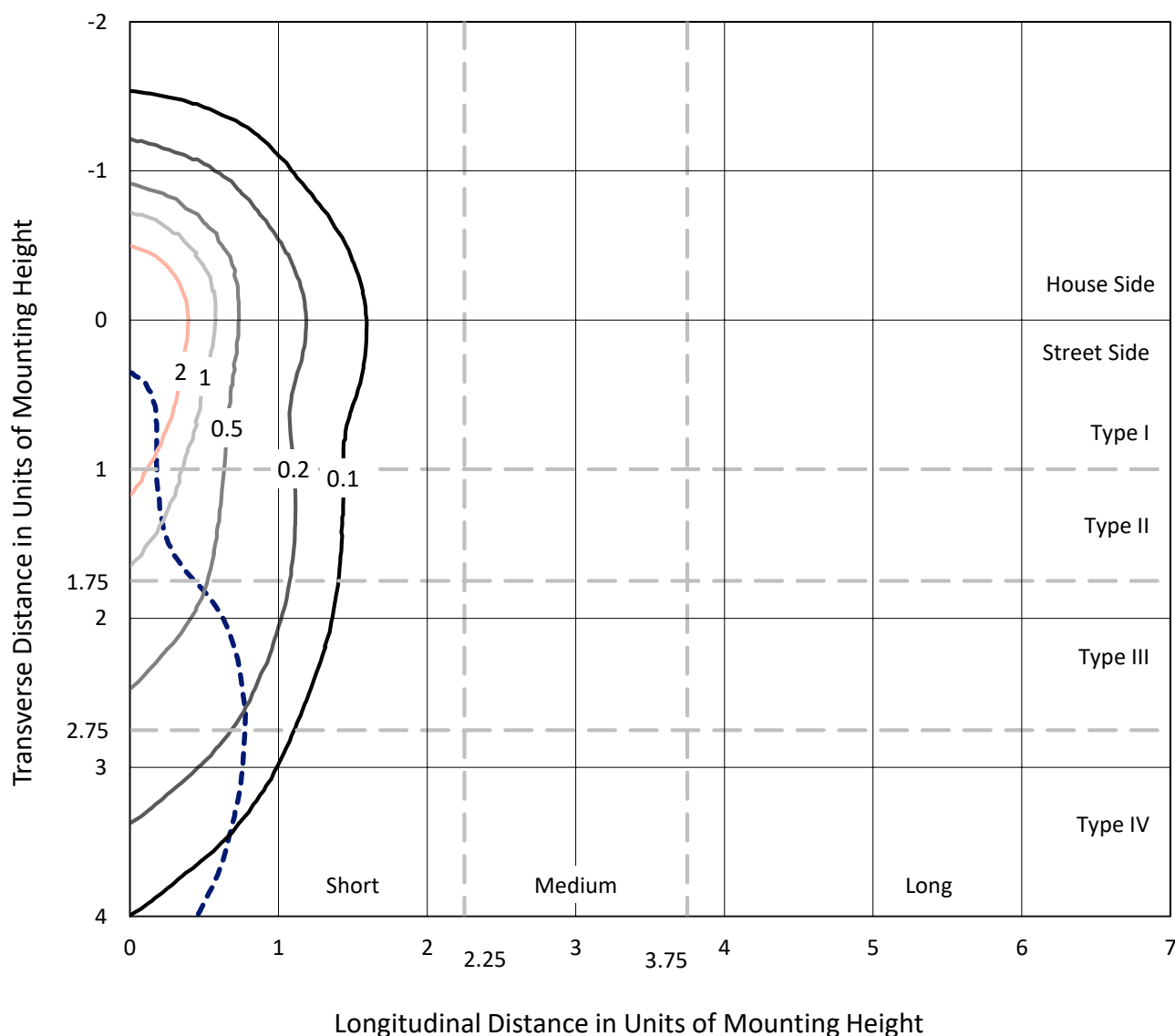
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

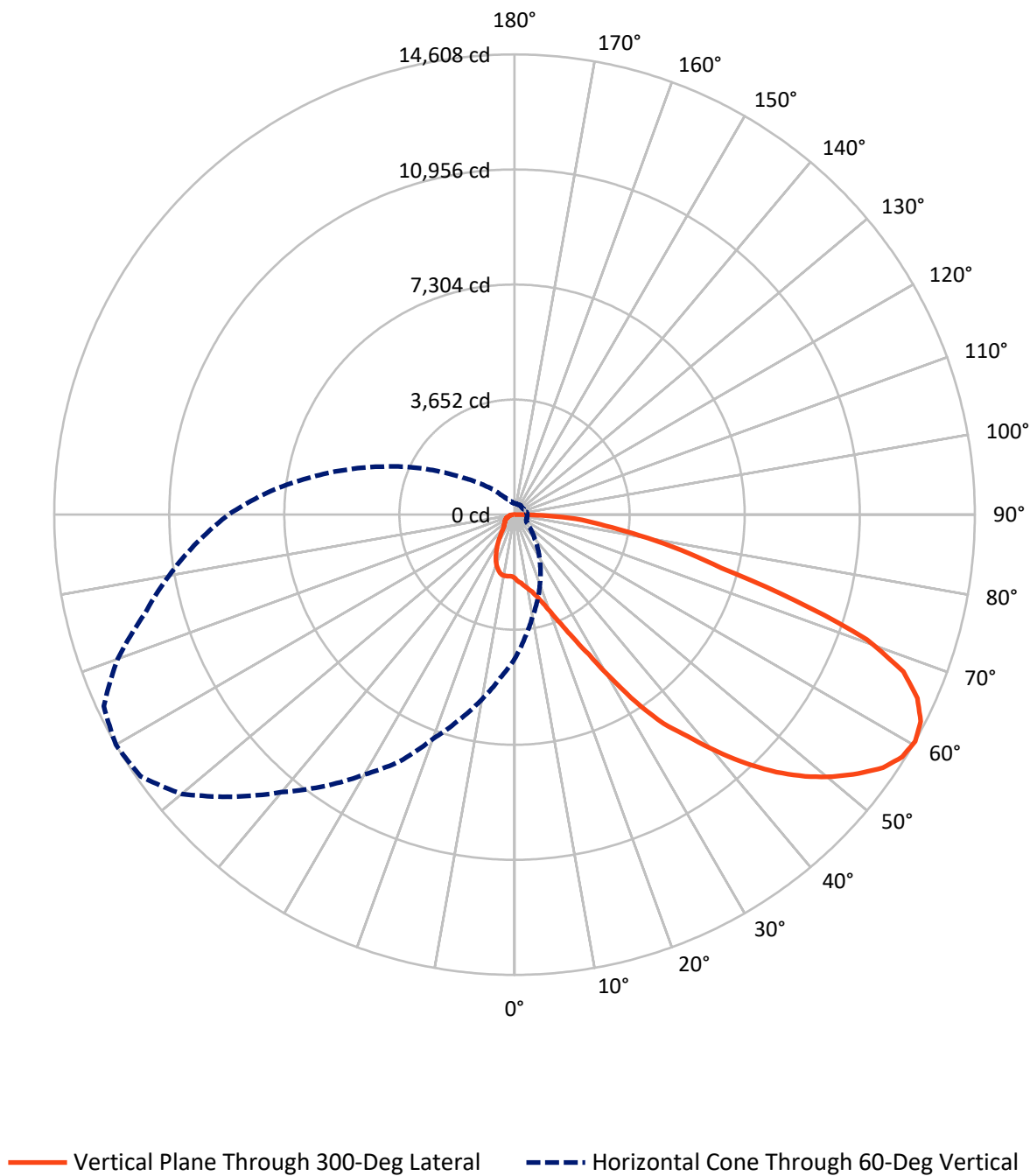


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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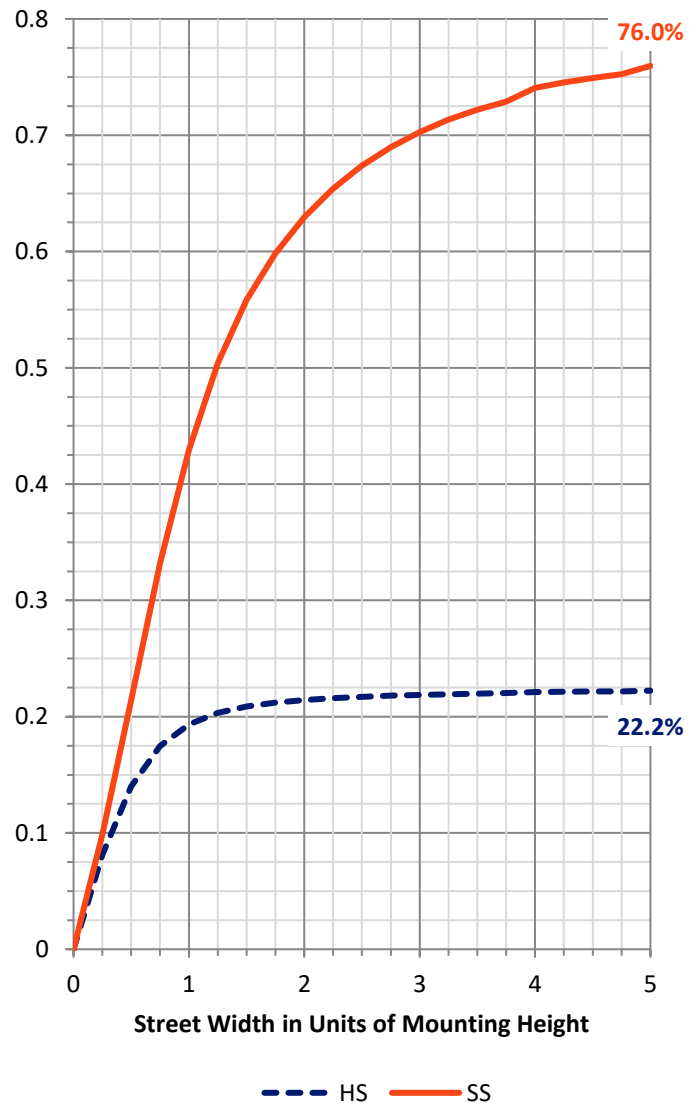
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3649.9   | 0.0    | 3649.9  |
|                    | % Fixture | 22.5     | 0.0    | 22.5    |
| <b>Street Side</b> | Lumens    | 12559.7  | 0.0    | 12559.7 |
|                    | % Fixture | 77.5     | 0.0    | 77.5    |
| <b>Total</b>       | Lumens    | 16209.5  | 0.0    | 16209.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 198.9   | 1.2       |
| 10°-20°   | 642.1   | 4.0       |
| 20°-30°   | 1218.5  | 7.5       |
| 30°-40°   | 1919.0  | 11.8      |
| 40°-50°   | 2678.4  | 16.5      |
| 50°-60°   | 3312.6  | 20.4      |
| 60°-70°   | 3433.6  | 21.2      |
| 70°-80°   | 2160.6  | 13.3      |
| 80°-90°   | 645.9   | 4.0       |
| 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°    | 16209.5 | 100.0     |
| 0°-180°   | 16209.5 | 100.0     |

**Coefficient of Utilization**



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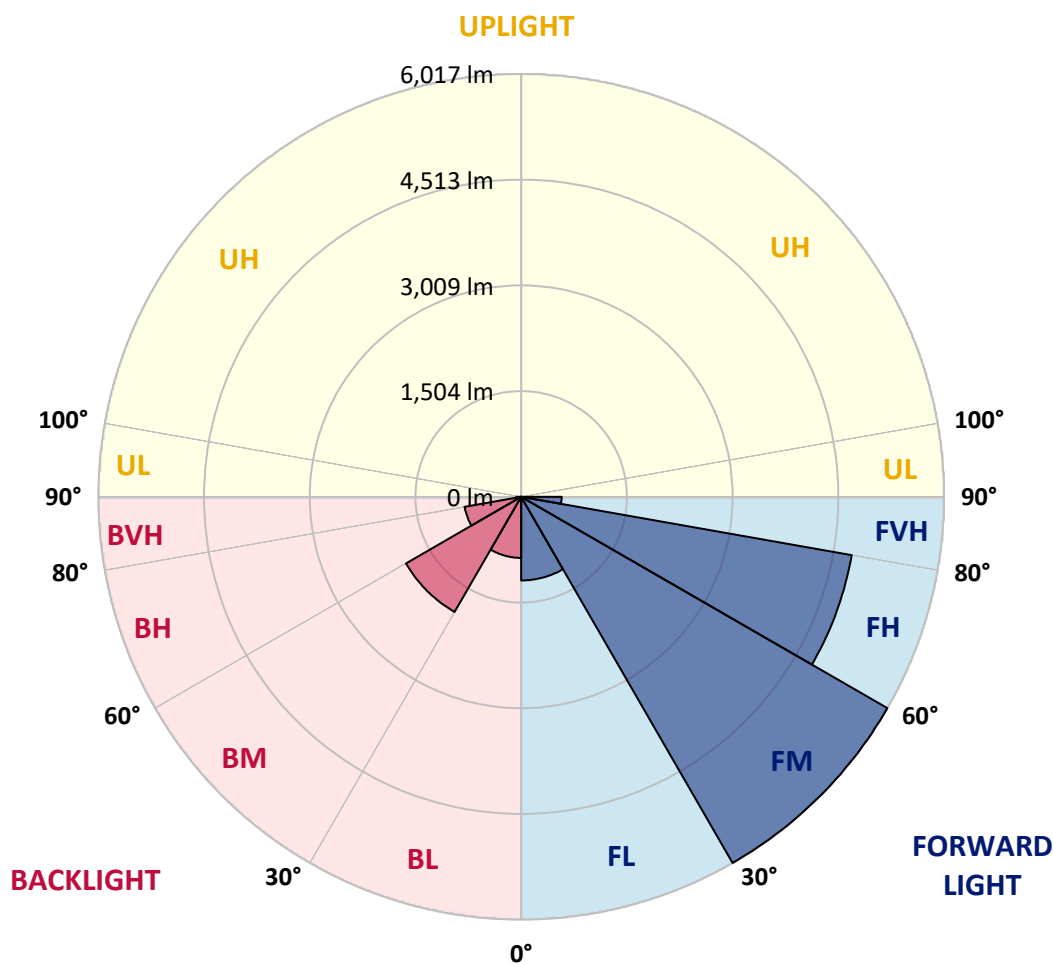
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1190.0 | 7.3       |                         |      |         |
| FM   | (30°-60°)   | 6017.2 | 37.1      |                         |      |         |
| FH   | (60°-80°)   | 4776.8 | 29.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 575.6  | 3.6       |                         |      | G4/750  |
| BL   | (0°-30°)    | 869.5  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1892.7 | 11.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 817.4  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 70.3   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2.5°  | 2135.3 | 2007.4 | 2009.8 | 2006.2 | 2006.2 | 2003.8 | 2006.2 | 2003.8 | 2001.4 | 2001.4 | 2002.6 |
| 5°    | 2163.1 | 2021.9 | 2021.9 | 2018.3 | 2015.9 | 2013.5 | 2015.9 | 2013.5 | 2012.3 | 2009.8 | 2011.1 |
| 7.5°  | 2189.6 | 2030.4 | 2025.5 | 2020.7 | 2014.7 | 2017.1 | 2017.1 | 2015.9 | 2017.1 | 2015.9 | 2018.3 |
| 10°   | 2233.0 | 2058.1 | 2046.0 | 2035.2 | 2034.0 | 2031.6 | 2031.6 | 2027.9 | 2027.9 | 2025.5 | 2026.7 |
| 12.5° | 2344.0 | 2143.8 | 2130.5 | 2111.2 | 2107.6 | 2096.7 | 2090.7 | 2083.4 | 2071.4 | 2060.5 | 2052.1 |
| 15°   | 2531.0 | 2286.1 | 2260.8 | 2243.9 | 2236.6 | 2214.9 | 2181.2 | 2154.6 | 2119.6 | 2089.5 | 2058.1 |
| 17.5° | 2760.2 | 2476.7 | 2446.6 | 2424.8 | 2388.7 | 2329.5 | 2272.8 | 2207.7 | 2140.1 | 2078.6 | 2021.9 |
| 20°   | 3081.1 | 2750.6 | 2691.5 | 2639.6 | 2549.1 | 2447.8 | 2341.6 | 2228.2 | 2124.5 | 2027.9 | 1944.7 |
| 22.5° | 3515.4 | 3104.0 | 2994.3 | 2855.5 | 2687.8 | 2516.5 | 2347.6 | 2190.8 | 2052.1 | 1926.6 | 1815.6 |
| 25°   | 4014.9 | 3441.8 | 3244.0 | 3005.1 | 2748.2 | 2511.7 | 2289.7 | 2088.3 | 1926.6 | 1764.9 | 1644.3 |
| 27.5° | 4382.8 | 3724.1 | 3432.2 | 3118.5 | 2790.4 | 2488.8 | 2216.1 | 1972.4 | 1777.0 | 1611.7 | 1465.8 |
| 30°   | 4592.7 | 3885.8 | 3534.7 | 3166.8 | 2797.6 | 2450.2 | 2123.2 | 1841.0 | 1615.4 | 1418.7 | 1278.8 |
| 32.5° | 4727.8 | 3972.6 | 3545.6 | 3118.5 | 2710.8 | 2335.6 | 1982.1 | 1688.9 | 1444.0 | 1234.1 | 1085.8 |
| 35°   | 4841.2 | 4007.6 | 3494.9 | 3011.1 | 2546.7 | 2161.9 | 1801.1 | 1508.0 | 1248.6 | 1055.6 | 903.6  |
| 37.5° | 4887.1 | 4001.6 | 3414.1 | 2867.6 | 2386.2 | 1972.4 | 1616.6 | 1316.2 | 1084.5 | 914.4  | 784.2  |
| 40°   | 4878.6 | 3946.1 | 3304.3 | 2714.4 | 2198.0 | 1774.6 | 1421.1 | 1156.9 | 968.7  | 825.2  | 729.9  |
| 42.5° | 4821.9 | 3872.5 | 3182.5 | 2558.8 | 2025.5 | 1610.5 | 1288.4 | 1054.4 | 902.4  | 793.8  | 710.6  |
| 45°   | 4750.8 | 3784.4 | 3071.5 | 2416.4 | 1889.2 | 1493.5 | 1211.2 | 1025.4 | 893.9  | 790.2  | 700.9  |
| 47.5° | 4654.3 | 3686.7 | 2959.3 | 2315.1 | 1816.8 | 1458.5 | 1210.0 | 1042.3 | 901.2  | 781.7  | 684.0  |
| 50°   | 4549.3 | 3615.5 | 2897.7 | 2271.6 | 1808.4 | 1480.2 | 1252.2 | 1068.9 | 906.0  | 773.3  | 661.1  |
| 52.5° | 4475.7 | 3584.2 | 2896.5 | 2287.3 | 1853.0 | 1540.6 | 1301.7 | 1102.6 | 924.1  | 778.1  | 656.3  |
| 55°   | 4385.2 | 3579.4 | 2927.9 | 2354.9 | 1950.7 | 1643.1 | 1380.1 | 1160.5 | 961.5  | 796.2  | 659.9  |
| 57.5° | 4391.3 | 3674.7 | 3049.8 | 2521.4 | 2126.9 | 1781.8 | 1480.2 | 1231.7 | 997.7  | 807.1  | 653.9  |
| 60°   | 4581.9 | 3896.6 | 3289.8 | 2806.1 | 2357.3 | 1944.7 | 1582.8 | 1270.3 | 995.3  | 782.9  | 624.9  |
| 62.5° | 4975.2 | 4229.6 | 3649.3 | 3140.2 | 2591.3 | 2070.2 | 1620.2 | 1259.5 | 959.1  | 731.1  | 577.9  |
| 65°   | 5444.4 | 4619.3 | 3999.2 | 3399.6 | 2733.7 | 2099.1 | 1587.6 | 1199.2 | 886.7  | 663.5  | 521.2  |
| 67.5° | 5913.7 | 4895.5 | 4200.6 | 3473.2 | 2675.8 | 1982.1 | 1467.0 | 1064.0 | 763.6  | 571.8  | 457.2  |
| 70°   | 6082.6 | 4952.2 | 4185.0 | 3307.9 | 2412.8 | 1691.4 | 1207.6 | 856.5  | 612.8  | 468.1  | 384.8  |
| 72.5° | 5829.3 | 4597.6 | 3720.5 | 2810.9 | 1961.6 | 1311.3 | 885.5  | 632.1  | 468.1  | 366.7  | 313.7  |
| 75°   | 4889.5 | 3702.4 | 2941.2 | 2117.2 | 1416.3 | 927.7  | 639.4  | 460.8  | 352.3  | 290.7  | 250.9  |
| 77.5° | 3485.3 | 2578.1 | 2003.8 | 1391.0 | 919.3  | 643.0  | 458.4  | 346.2  | 279.9  | 232.8  | 203.9  |
| 80°   | 2189.6 | 1582.8 | 1220.9 | 834.8  | 573.0  | 436.7  | 329.3  | 273.9  | 225.6  | 189.4  | 170.1  |
| 82.5° | 1318.6 | 921.7  | 719.0  | 518.7  | 376.4  | 299.2  | 242.5  | 214.7  | 179.8  | 156.8  | 146.0  |
| 85°   | 895.1  | 678.0  | 471.7  | 306.4  | 226.8  | 176.1  | 165.3  | 148.4  | 133.9  | 112.2  | 108.6  |
| 87.5° | 171.3  | 242.5  | 211.1  | 125.5  | 83.2   | 71.2   | 62.7   | 60.3   | 54.3   | 43.4   | 49.5   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2.5°  | 1995.4 | 1993.0 | 1988.1 | 1988.1 | 1984.5 | 1977.3 | 1976.1 | 1971.2 | 1965.2 | 1966.4 | 1965.2 |
| 5°    | 2002.6 | 1997.8 | 1991.7 | 1989.3 | 1984.5 | 1977.3 | 1973.7 | 1967.6 | 1961.6 | 1961.6 | 1961.6 |
| 7.5°  | 2011.1 | 2005.0 | 2000.2 | 1991.7 | 1982.1 | 1974.9 | 1965.2 | 1958.0 | 1954.4 | 1953.1 | 1954.4 |
| 10°   | 2018.3 | 2014.7 | 2007.4 | 1995.4 | 1982.1 | 1967.6 | 1958.0 | 1948.3 | 1938.7 | 1939.9 | 1941.1 |
| 12.5° | 2034.0 | 2021.9 | 2002.6 | 1984.5 | 1964.0 | 1945.9 | 1929.0 | 1917.0 | 1904.9 | 1904.9 | 1906.1 |
| 15°   | 2023.1 | 1988.1 | 1961.6 | 1926.6 | 1903.7 | 1874.7 | 1855.4 | 1844.6 | 1837.3 | 1834.9 | 1836.1 |
| 17.5° | 1959.2 | 1917.0 | 1877.1 | 1845.8 | 1814.4 | 1791.5 | 1783.0 | 1775.8 | 1766.2 | 1771.0 | 1766.2 |
| 20°   | 1862.7 | 1810.8 | 1754.1 | 1716.7 | 1679.3 | 1663.6 | 1649.1 | 1641.9 | 1635.9 | 1657.6 | 1657.6 |
| 22.5° | 1723.9 | 1661.2 | 1603.3 | 1557.4 | 1515.2 | 1498.3 | 1483.9 | 1475.4 | 1479.0 | 1505.6 | 1508.0 |
| 25°   | 1549.0 | 1473.0 | 1397.0 | 1369.3 | 1327.0 | 1313.8 | 1305.3 | 1304.1 | 1307.7 | 1334.3 | 1340.3 |
| 27.5° | 1363.2 | 1283.6 | 1218.5 | 1154.5 | 1135.2 | 1124.4 | 1108.7 | 1126.8 | 1130.4 | 1159.3 | 1171.4 |
| 30°   | 1165.4 | 1079.7 | 1011.0 | 968.7  | 927.7  | 933.7  | 920.5  | 942.2  | 951.8  | 982.0  | 991.7  |
| 32.5° | 962.7  | 881.9  | 813.1  | 770.9  | 741.9  | 745.5  | 735.9  | 755.2  | 764.9  | 801.0  | 819.1  |
| 35°   | 796.2  | 727.5  | 672.0  | 635.8  | 622.5  | 609.2  | 606.8  | 609.2  | 618.9  | 646.6  | 679.2  |
| 37.5° | 700.9  | 644.2  | 604.4  | 577.9  | 559.8  | 551.3  | 546.5  | 546.5  | 546.5  | 552.5  | 568.2  |
| 40°   | 659.9  | 609.2  | 574.2  | 548.9  | 536.8  | 532.0  | 528.4  | 524.8  | 518.7  | 516.3  | 517.5  |
| 42.5° | 641.8  | 583.9  | 546.5  | 527.2  | 520.0  | 520.0  | 520.0  | 517.5  | 511.5  | 505.5  | 499.4  |
| 45°   | 623.7  | 561.0  | 523.6  | 510.3  | 506.7  | 507.9  | 507.9  | 507.9  | 503.1  | 495.8  | 485.0  |
| 47.5° | 600.8  | 535.6  | 498.2  | 489.8  | 489.8  | 493.4  | 494.6  | 494.6  | 489.8  | 482.6  | 474.1  |
| 50°   | 573.0  | 503.1  | 469.3  | 462.0  | 458.4  | 458.4  | 458.4  | 458.4  | 454.8  | 450.0  | 444.0  |
| 52.5° | 558.6  | 485.0  | 450.0  | 442.7  | 442.7  | 439.1  | 437.9  | 434.3  | 430.7  | 427.1  | 418.6  |
| 55°   | 553.7  | 477.7  | 441.5  | 435.5  | 435.5  | 431.9  | 428.3  | 424.6  | 418.6  | 412.6  | 404.1  |
| 57.5° | 540.5  | 462.0  | 430.7  | 425.9  | 425.9  | 423.4  | 419.8  | 416.2  | 410.2  | 401.7  | 390.9  |
| 60°   | 510.3  | 435.5  | 409.0  | 407.8  | 407.8  | 406.6  | 404.1  | 404.1  | 398.1  | 389.7  | 376.4  |
| 62.5° | 471.7  | 407.8  | 382.4  | 382.4  | 381.2  | 380.0  | 375.2  | 374.0  | 366.7  | 355.9  | 343.8  |
| 65°   | 434.3  | 383.6  | 366.7  | 361.9  | 359.5  | 355.9  | 353.5  | 347.4  | 341.4  | 331.8  | 319.7  |
| 67.5° | 387.3  | 347.4  | 336.6  | 331.8  | 326.9  | 323.3  | 319.7  | 316.1  | 308.8  | 301.6  | 291.9  |
| 70°   | 336.6  | 307.6  | 301.6  | 300.4  | 294.4  | 290.7  | 289.5  | 285.9  | 278.7  | 271.4  | 259.4  |
| 72.5° | 288.3  | 271.4  | 266.6  | 266.6  | 259.4  | 254.5  | 252.1  | 250.9  | 246.1  | 240.1  | 229.2  |
| 75°   | 232.8  | 220.8  | 219.6  | 225.6  | 225.6  | 222.0  | 219.6  | 222.0  | 214.7  | 211.1  | 200.3  |
| 77.5° | 190.6  | 184.6  | 181.0  | 183.4  | 190.6  | 187.0  | 182.2  | 182.2  | 182.2  | 176.1  | 172.5  |
| 80°   | 161.7  | 156.8  | 153.2  | 155.6  | 154.4  | 153.2  | 150.8  | 146.0  | 146.0  | 146.0  | 144.8  |
| 82.5° | 146.0  | 144.8  | 131.5  | 131.5  | 126.7  | 123.1  | 120.6  | 118.2  | 115.8  | 115.8  | 121.8  |
| 85°   | 109.8  | 113.4  | 106.2  | 105.0  | 98.9   | 94.1   | 89.3   | 86.9   | 84.4   | 88.1   | 100.1  |
| 87.5° | 53.1   | 53.1   | 50.7   | 56.7   | 51.9   | 49.5   | 45.8   | 43.4   | 45.8   | 56.7   | 67.6   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2.5°  | 1962.8 | 1961.6 | 1960.4 | 1958.0 | 1953.1 | 1951.9 | 1949.5 | 1949.5 | 1948.3 | 1945.9 | 1948.3 |
| 5°    | 1959.2 | 1961.6 | 1961.6 | 1960.4 | 1956.8 | 1959.2 | 1959.2 | 1962.8 | 1962.8 | 1965.2 | 1971.2 |
| 7.5°  | 1954.4 | 1960.4 | 1965.2 | 1968.8 | 1973.7 | 1977.3 | 1984.5 | 1995.4 | 2000.2 | 2008.6 | 2012.3 |
| 10°   | 1944.7 | 1955.6 | 1964.0 | 1974.9 | 1986.9 | 2000.2 | 2011.1 | 2027.9 | 2034.0 | 2046.0 | 2052.1 |
| 12.5° | 1917.0 | 1935.0 | 1949.5 | 1971.2 | 1991.7 | 2012.3 | 2031.6 | 2053.3 | 2064.1 | 2077.4 | 2085.8 |
| 15°   | 1849.4 | 1869.9 | 1890.4 | 1909.7 | 1945.9 | 1985.7 | 2017.1 | 2046.0 | 2061.7 | 2078.6 | 2087.1 |
| 17.5° | 1768.6 | 1781.8 | 1798.7 | 1824.1 | 1859.0 | 1894.0 | 1944.7 | 1985.7 | 2009.8 | 2029.1 | 2031.6 |
| 20°   | 1674.5 | 1693.8 | 1705.8 | 1715.5 | 1743.2 | 1767.4 | 1821.6 | 1868.7 | 1900.1 | 1923.0 | 1929.0 |
| 22.5° | 1530.9 | 1551.4 | 1571.9 | 1579.2 | 1600.9 | 1632.2 | 1662.4 | 1713.1 | 1757.7 | 1791.5 | 1812.0 |
| 25°   | 1366.8 | 1386.1 | 1413.9 | 1435.6 | 1440.4 | 1465.8 | 1495.9 | 1553.8 | 1599.7 | 1654.0 | 1678.1 |
| 27.5° | 1202.8 | 1219.7 | 1249.8 | 1261.9 | 1276.4 | 1301.7 | 1325.8 | 1374.1 | 1422.3 | 1485.1 | 1511.6 |
| 30°   | 1011.0 | 1047.1 | 1082.1 | 1105.1 | 1117.1 | 1147.3 | 1164.2 | 1211.2 | 1255.9 | 1301.7 | 1340.3 |
| 32.5° | 846.9  | 879.5  | 919.3  | 948.2  | 962.7  | 985.6  | 1012.2 | 1052.0 | 1087.0 | 1131.6 | 1176.2 |
| 35°   | 696.1  | 740.7  | 767.3  | 792.6  | 830.0  | 840.9  | 867.4  | 903.6  | 924.1  | 972.3  | 1023.0 |
| 37.5° | 589.9  | 616.5  | 643.0  | 668.3  | 699.7  | 714.2  | 739.5  | 769.7  | 793.8  | 822.8  | 868.6  |
| 40°   | 524.8  | 539.3  | 558.6  | 575.4  | 598.4  | 616.5  | 629.7  | 655.1  | 673.2  | 702.1  | 734.7  |
| 42.5° | 494.6  | 498.2  | 500.7  | 512.7  | 524.8  | 536.8  | 551.3  | 562.2  | 583.9  | 605.6  | 626.1  |
| 45°   | 477.7  | 470.5  | 466.9  | 468.1  | 472.9  | 480.1  | 492.2  | 504.3  | 518.7  | 532.0  | 544.1  |
| 47.5° | 463.3  | 453.6  | 442.7  | 436.7  | 437.9  | 440.3  | 450.0  | 459.6  | 466.9  | 477.7  | 482.6  |
| 50°   | 429.5  | 421.0  | 411.4  | 402.9  | 404.1  | 405.3  | 413.8  | 421.0  | 425.9  | 429.5  | 435.5  |
| 52.5° | 407.8  | 395.7  | 387.3  | 378.8  | 377.6  | 381.2  | 388.5  | 395.7  | 398.1  | 400.5  | 401.7  |
| 55°   | 392.1  | 380.0  | 369.2  | 360.7  | 357.1  | 365.5  | 367.9  | 377.6  | 381.2  | 381.2  | 382.4  |
| 57.5° | 380.0  | 365.5  | 354.7  | 346.2  | 340.2  | 346.2  | 352.3  | 363.1  | 364.3  | 361.9  | 361.9  |
| 60°   | 361.9  | 351.1  | 340.2  | 331.8  | 325.7  | 330.6  | 335.4  | 347.4  | 347.4  | 341.4  | 340.2  |
| 62.5° | 330.6  | 324.5  | 317.3  | 313.7  | 312.5  | 317.3  | 320.9  | 330.6  | 326.9  | 319.7  | 317.3  |
| 65°   | 307.6  | 302.8  | 295.6  | 293.2  | 291.9  | 299.2  | 300.4  | 306.4  | 301.6  | 298.0  | 296.8  |
| 67.5° | 279.9  | 276.3  | 272.6  | 271.4  | 267.8  | 267.8  | 270.2  | 273.9  | 271.4  | 271.4  | 272.6  |
| 70°   | 248.5  | 243.7  | 240.1  | 241.3  | 238.9  | 238.9  | 240.1  | 242.5  | 241.3  | 243.7  | 246.1  |
| 72.5° | 219.6  | 213.5  | 212.3  | 212.3  | 209.9  | 211.1  | 211.1  | 212.3  | 214.7  | 215.9  | 222.0  |
| 75°   | 191.8  | 185.8  | 185.8  | 184.6  | 184.6  | 184.6  | 185.8  | 188.2  | 190.6  | 191.8  | 194.2  |
| 77.5° | 166.5  | 162.9  | 164.1  | 162.9  | 162.9  | 162.9  | 162.9  | 166.5  | 167.7  | 168.9  | 172.5  |
| 80°   | 143.6  | 143.6  | 144.8  | 144.8  | 143.6  | 142.4  | 143.6  | 146.0  | 147.2  | 148.4  | 149.6  |
| 82.5° | 130.3  | 131.5  | 131.5  | 131.5  | 125.5  | 123.1  | 126.7  | 129.1  | 131.5  | 132.7  | 135.1  |
| 85°   | 112.2  | 107.4  | 112.2  | 111.0  | 102.5  | 101.3  | 101.3  | 102.5  | 105.0  | 102.5  | 102.5  |
| 87.5° | 72.4   | 65.1   | 68.8   | 68.8   | 60.3   | 49.5   | 62.7   | 67.6   | 60.3   | 63.9   | 63.9   |
| 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°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2.5°  | 1951.9 | 1949.5 | 1950.7 | 1950.7 | 1953.1 | 1949.5 | 1954.4 | 1959.2 | 1960.4 | 1960.4 | 1961.6 |
| 5°    | 1977.3 | 1974.9 | 1983.3 | 1979.7 | 1988.1 | 1986.9 | 1993.0 | 1997.8 | 2000.2 | 2000.2 | 2000.2 |
| 7.5°  | 2017.1 | 2025.5 | 2030.4 | 2043.6 | 2044.8 | 2052.1 | 2058.1 | 2064.1 | 2061.7 | 2062.9 | 2061.7 |
| 10°   | 2061.7 | 2072.6 | 2084.6 | 2097.9 | 2099.1 | 2107.6 | 2117.2 | 2123.2 | 2120.8 | 2119.6 | 2116.0 |
| 12.5° | 2100.3 | 2107.6 | 2122.0 | 2135.3 | 2142.5 | 2155.8 | 2165.5 | 2170.3 | 2170.3 | 2166.7 | 2163.1 |
| 15°   | 2097.9 | 2108.8 | 2124.5 | 2143.8 | 2157.0 | 2176.3 | 2193.2 | 2204.1 | 2205.3 | 2201.7 | 2200.5 |
| 17.5° | 2044.8 | 2060.5 | 2075.0 | 2101.5 | 2125.7 | 2152.2 | 2179.9 | 2195.6 | 2210.1 | 2218.6 | 2223.4 |
| 20°   | 1949.5 | 1968.8 | 1989.3 | 2024.3 | 2056.9 | 2091.9 | 2124.5 | 2147.4 | 2169.1 | 2194.4 | 2224.6 |
| 22.5° | 1837.3 | 1866.3 | 1895.2 | 1939.9 | 1979.7 | 2019.5 | 2056.9 | 2084.6 | 2118.4 | 2161.9 | 2218.6 |
| 25°   | 1705.8 | 1736.0 | 1772.2 | 1824.1 | 1874.7 | 1932.6 | 1988.1 | 2043.6 | 2108.8 | 2183.6 | 2271.6 |
| 27.5° | 1550.2 | 1584.0 | 1631.0 | 1693.8 | 1751.7 | 1810.8 | 1897.7 | 1985.7 | 2091.9 | 2188.4 | 2288.5 |
| 30°   | 1395.8 | 1439.2 | 1489.9 | 1552.6 | 1610.5 | 1695.0 | 1781.8 | 1890.4 | 2002.6 | 2111.2 | 2230.6 |
| 32.5° | 1229.3 | 1283.6 | 1346.3 | 1398.2 | 1463.4 | 1549.0 | 1635.9 | 1751.7 | 1871.1 | 1999.0 | 2130.5 |
| 35°   | 1068.9 | 1120.7 | 1170.2 | 1228.1 | 1293.2 | 1374.1 | 1458.5 | 1569.5 | 1720.3 | 1856.6 | 2013.5 |
| 37.5° | 906.0  | 954.3  | 989.2  | 1035.1 | 1091.8 | 1181.1 | 1271.5 | 1399.4 | 1541.8 | 1709.5 | 1866.3 |
| 40°   | 763.6  | 803.5  | 843.3  | 879.5  | 927.7  | 1012.2 | 1108.7 | 1234.1 | 1374.1 | 1536.9 | 1711.9 |
| 42.5° | 650.2  | 680.4  | 723.8  | 767.3  | 808.3  | 880.7  | 971.1  | 1094.2 | 1232.9 | 1399.4 | 1574.3 |
| 45°   | 554.9  | 575.4  | 610.4  | 646.6  | 697.3  | 757.6  | 844.5  | 969.9  | 1111.1 | 1278.8 | 1463.4 |
| 47.5° | 486.2  | 495.8  | 520.0  | 557.4  | 604.4  | 663.5  | 738.3  | 851.7  | 989.2  | 1158.1 | 1352.4 |
| 50°   | 439.1  | 450.0  | 462.0  | 493.4  | 535.6  | 596.0  | 657.5  | 756.4  | 881.9  | 1047.1 | 1240.2 |
| 52.5° | 406.6  | 411.4  | 416.2  | 435.5  | 474.1  | 524.8  | 589.9  | 664.7  | 791.4  | 949.4  | 1123.1 |
| 55°   | 387.3  | 388.5  | 392.1  | 401.7  | 430.7  | 477.7  | 534.4  | 605.6  | 704.5  | 854.1  | 1031.5 |
| 57.5° | 364.3  | 366.7  | 370.4  | 376.4  | 394.5  | 436.7  | 485.0  | 542.9  | 624.9  | 750.4  | 920.5  |
| 60°   | 342.6  | 348.6  | 354.7  | 358.3  | 367.9  | 393.3  | 434.3  | 480.1  | 546.5  | 640.6  | 775.7  |
| 62.5° | 319.7  | 326.9  | 331.8  | 335.4  | 339.0  | 354.7  | 384.8  | 415.0  | 456.0  | 517.5  | 618.9  |
| 65°   | 299.2  | 304.0  | 307.6  | 310.0  | 312.5  | 317.3  | 330.6  | 342.6  | 354.7  | 392.1  | 465.7  |
| 67.5° | 276.3  | 278.7  | 279.9  | 281.1  | 279.9  | 279.9  | 281.1  | 285.9  | 290.7  | 305.2  | 340.2  |
| 70°   | 249.7  | 253.3  | 253.3  | 254.5  | 254.5  | 250.9  | 250.9  | 250.9  | 250.9  | 254.5  | 273.9  |
| 72.5° | 224.4  | 229.2  | 229.2  | 230.4  | 229.2  | 228.0  | 228.0  | 228.0  | 231.6  | 234.0  | 241.3  |
| 75°   | 200.3  | 205.1  | 203.9  | 205.1  | 206.3  | 206.3  | 208.7  | 209.9  | 213.5  | 214.7  | 219.6  |
| 77.5° | 176.1  | 179.8  | 181.0  | 179.8  | 182.2  | 184.6  | 189.4  | 191.8  | 193.0  | 194.2  | 195.4  |
| 80°   | 153.2  | 155.6  | 154.4  | 150.8  | 156.8  | 160.4  | 167.7  | 176.1  | 173.7  | 174.9  | 177.3  |
| 82.5° | 126.7  | 123.1  | 120.6  | 123.1  | 126.7  | 131.5  | 138.7  | 149.6  | 150.8  | 156.8  | 155.6  |
| 85°   | 97.7   | 86.9   | 85.7   | 91.7   | 90.5   | 96.5   | 108.6  | 117.0  | 124.3  | 130.3  | 124.3  |
| 87.5° | 57.9   | 51.9   | 43.4   | 41.0   | 44.6   | 59.1   | 61.5   | 74.8   | 80.8   | 83.2   | 74.8   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2.5°  | 2071.4 | 2077.4 | 2077.4 | 2079.8 | 2083.4 | 2084.6 | 2089.5 | 2097.9 | 2099.1 | 2099.1 | 2102.7 |
| 5°    | 2110.0 | 2116.0 | 2116.0 | 2120.8 | 2122.0 | 2128.1 | 2134.1 | 2143.8 | 2148.6 | 2147.4 | 2163.1 |
| 7.5°  | 2172.7 | 2167.9 | 2164.3 | 2171.5 | 2175.1 | 2182.4 | 2194.4 | 2202.9 | 2211.3 | 2224.6 | 2246.3 |
| 10°   | 2225.8 | 2218.6 | 2214.9 | 2219.8 | 2222.2 | 2230.6 | 2237.9 | 2249.9 | 2270.4 | 2290.9 | 2317.5 |
| 12.5° | 2269.2 | 2260.8 | 2251.1 | 2253.5 | 2257.2 | 2268.0 | 2280.1 | 2295.8 | 2325.9 | 2352.5 | 2392.3 |
| 15°   | 2305.4 | 2293.3 | 2283.7 | 2288.5 | 2297.0 | 2311.4 | 2332.0 | 2359.7 | 2409.2 | 2455.0 | 2508.1 |
| 17.5° | 2340.4 | 2338.0 | 2334.4 | 2350.0 | 2356.1 | 2389.9 | 2420.0 | 2470.7 | 2538.2 | 2607.0 | 2683.0 |
| 20°   | 2374.2 | 2400.7 | 2414.0 | 2445.4 | 2464.7 | 2510.5 | 2556.3 | 2617.9 | 2703.5 | 2797.6 | 2901.4 |
| 22.5° | 2421.2 | 2493.6 | 2538.2 | 2602.2 | 2634.8 | 2684.2 | 2751.8 | 2832.6 | 2927.9 | 3048.5 | 3181.2 |
| 25°   | 2533.4 | 2639.6 | 2728.9 | 2829.0 | 2911.0 | 2987.0 | 3067.8 | 3165.6 | 3303.1 | 3412.9 | 3586.6 |
| 27.5° | 2582.9 | 2732.5 | 2866.4 | 3007.5 | 3130.6 | 3247.6 | 3375.5 | 3493.7 | 3656.6 | 3805.0 | 4014.9 |
| 30°   | 2535.8 | 2704.7 | 2878.4 | 3063.0 | 3242.8 | 3420.1 | 3605.9 | 3786.9 | 3975.1 | 4182.6 | 4405.7 |
| 32.5° | 2449.0 | 2638.4 | 2833.8 | 3051.0 | 3274.1 | 3504.6 | 3745.8 | 4008.8 | 4274.2 | 4532.4 | 4760.4 |
| 35°   | 2360.9 | 2564.8 | 2781.9 | 3030.5 | 3293.4 | 3579.4 | 3878.5 | 4211.5 | 4562.6 | 4889.5 | 5187.5 |
| 37.5° | 2233.0 | 2457.4 | 2705.9 | 2993.1 | 3305.5 | 3657.8 | 4042.6 | 4452.8 | 4896.7 | 5346.7 | 5737.6 |
| 40°   | 2078.6 | 2316.3 | 2587.7 | 2918.3 | 3293.4 | 3738.6 | 4239.3 | 4765.2 | 5335.9 | 5884.8 | 6364.9 |
| 42.5° | 1937.5 | 2169.1 | 2458.6 | 2818.1 | 3262.1 | 3809.8 | 4426.2 | 5081.3 | 5756.9 | 6370.9 | 6998.3 |
| 45°   | 1813.2 | 2069.0 | 2359.7 | 2748.2 | 3246.4 | 3870.1 | 4565.0 | 5317.8 | 6091.1 | 6822.1 | 7562.9 |
| 47.5° | 1699.8 | 1965.2 | 2290.9 | 2709.6 | 3239.2 | 3906.3 | 4661.5 | 5472.2 | 6328.7 | 7168.4 | 8028.5 |
| 50°   | 1582.8 | 1841.0 | 2189.6 | 2667.3 | 3221.1 | 3905.1 | 4712.2 | 5577.1 | 6495.2 | 7437.4 | 8349.4 |
| 52.5° | 1457.3 | 1716.7 | 2066.5 | 2590.1 | 3182.5 | 3883.4 | 4725.4 | 5648.3 | 6626.7 | 7602.7 | 8622.1 |
| 55°   | 1342.7 | 1585.2 | 1935.0 | 2461.0 | 3101.6 | 3830.3 | 4695.3 | 5678.5 | 6719.6 | 7766.7 | 8813.9 |
| 57.5° | 1211.2 | 1463.4 | 1796.3 | 2283.7 | 2949.6 | 3736.2 | 4609.6 | 5636.3 | 6746.1 | 7876.5 | 8965.9 |
| 60°   | 1030.3 | 1277.6 | 1620.2 | 2073.8 | 2712.0 | 3537.1 | 4450.4 | 5508.4 | 6661.7 | 7895.8 | 9074.5 |
| 62.5° | 822.8  | 1036.3 | 1366.8 | 1784.3 | 2377.8 | 3224.7 | 4156.0 | 5221.3 | 6398.7 | 7714.9 | 9019.0 |
| 65°   | 611.6  | 754.0  | 1038.7 | 1405.4 | 1990.5 | 2754.2 | 3681.9 | 4739.9 | 5884.8 | 7211.8 | 8670.3 |
| 67.5° | 425.9  | 528.4  | 703.3  | 976.0  | 1447.7 | 2126.9 | 3005.1 | 3988.3 | 5089.8 | 6280.5 | 7946.5 |
| 70°   | 322.1  | 369.2  | 464.5  | 616.5  | 937.4  | 1448.9 | 2184.8 | 3060.6 | 4082.4 | 5229.7 | 6799.2 |
| 72.5° | 275.1  | 299.2  | 352.3  | 422.2  | 574.2  | 880.7  | 1371.7 | 2106.4 | 3012.4 | 3946.1 | 5216.4 |
| 75°   | 247.3  | 267.8  | 301.6  | 346.2  | 406.6  | 534.4  | 804.7  | 1333.1 | 1995.4 | 2643.2 | 3639.7 |
| 77.5° | 224.4  | 242.5  | 272.6  | 295.6  | 328.1  | 384.8  | 512.7  | 797.4  | 1195.5 | 1633.5 | 2258.4 |
| 80°   | 200.3  | 211.1  | 238.9  | 261.8  | 287.1  | 319.7  | 367.9  | 500.7  | 686.4  | 967.5  | 1331.9 |
| 82.5° | 171.3  | 179.8  | 200.3  | 231.6  | 250.9  | 264.2  | 278.7  | 331.8  | 411.4  | 524.8  | 739.5  |
| 85°   | 132.7  | 138.7  | 156.8  | 179.8  | 188.2  | 189.4  | 191.8  | 206.3  | 255.8  | 393.3  | 637.0  |
| 87.5° | 67.6   | 74.8   | 94.1   | 101.3  | 85.7   | 92.9   | 94.1   | 100.1  | 132.7  | 215.9  | 219.6  |
| 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):**

**CANDELA**

|       | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |       |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| 0°    | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 2015.9  | 0°    |
| 2.5°  | 2102.7  | 2106.4  | 2114.8  | 2113.6  | 2119.6  | 2119.6  | 2119.6  | 2125.7  | 2122.0  | 2125.7  | 2131.7  | 2.5°  |
| 5°    | 2163.1  | 2169.1  | 2181.2  | 2181.2  | 2182.4  | 2186.0  | 2186.0  | 2190.8  | 2184.8  | 2182.4  | 2183.6  | 5°    |
| 7.5°  | 2251.1  | 2260.8  | 2270.4  | 2280.1  | 2287.3  | 2284.9  | 2284.9  | 2274.0  | 2271.6  | 2263.2  | 2252.3  | 7.5°  |
| 10°   | 2336.8  | 2363.3  | 2381.4  | 2398.3  | 2399.5  | 2395.9  | 2397.1  | 2379.0  | 2375.4  | 2358.5  | 2347.6  | 10°   |
| 12.5° | 2424.8  | 2458.6  | 2487.6  | 2505.7  | 2516.5  | 2518.9  | 2520.1  | 2520.1  | 2503.3  | 2488.8  | 2463.4  | 12.5° |
| 15°   | 2555.1  | 2614.2  | 2658.9  | 2678.2  | 2693.9  | 2708.3  | 2712.0  | 2716.8  | 2703.5  | 2684.2  | 2680.6  | 15°   |
| 17.5° | 2761.4  | 2816.9  | 2876.0  | 2927.9  | 2962.9  | 2965.3  | 2995.5  | 2993.1  | 3020.8  | 2999.1  | 2993.1  | 17.5° |
| 20°   | 3006.3  | 3127.0  | 3188.5  | 3257.3  | 3297.1  | 3316.4  | 3386.3  | 3364.6  | 3385.1  | 3420.1  | 3385.1  | 20°   |
| 22.5° | 3312.7  | 3466.0  | 3555.2  | 3649.3  | 3714.5  | 3761.5  | 3812.2  | 3852.0  | 3907.5  | 3934.0  | 3909.9  | 22.5° |
| 25°   | 3719.3  | 3894.2  | 4000.4  | 4130.7  | 4234.4  | 4318.9  | 4406.9  | 4513.1  | 4511.9  | 4575.8  | 4620.5  | 25°   |
| 27.5° | 4186.2  | 4409.4  | 4563.8  | 4793.0  | 4882.3  | 5024.6  | 5175.4  | 5339.5  | 5368.4  | 5451.7  | 5493.9  | 27.5° |
| 30°   | 4625.3  | 4901.6  | 5208.0  | 5480.6  | 5789.5  | 6000.6  | 6175.5  | 6291.3  | 6466.2  | 6422.8  | 6398.7  | 30°   |
| 32.5° | 5030.6  | 5398.6  | 5835.3  | 6282.9  | 6772.7  | 7106.8  | 7415.7  | 7559.2  | 7667.8  | 7437.4  | 7132.2  | 32.5° |
| 35°   | 5556.6  | 5997.0  | 6496.4  | 7048.9  | 7671.4  | 8145.5  | 8464.0  | 8508.7  | 8447.1  | 8151.6  | 7646.1  | 35°   |
| 37.5° | 6208.1  | 6670.1  | 7238.3  | 7822.2  | 8483.3  | 8928.5  | 9291.6  | 9356.8  | 9193.9  | 8666.7  | 8135.9  | 37.5° |
| 40°   | 6851.1  | 7392.8  | 8009.2  | 8700.5  | 9385.7  | 9875.5  | 10239.8 | 10259.1 | 9993.7  | 9377.3  | 8756.0  | 40°   |
| 42.5° | 7554.4  | 8146.7  | 8833.2  | 9599.2  | 10307.4 | 10803.2 | 11066.2 | 11149.5 | 10774.3 | 9984.1  | 9388.1  | 42.5° |
| 45°   | 8161.2  | 8869.4  | 9634.2  | 10448.5 | 11189.3 | 11659.8 | 11927.6 | 11901.0 | 11447.4 | 10666.9 | 9968.4  | 45°   |
| 47.5° | 8752.4  | 9531.7  | 10337.6 | 11202.5 | 11938.4 | 12413.7 | 12688.8 | 12664.7 | 12089.2 | 11190.5 | 10422.0 | 47.5° |
| 50°   | 9278.3  | 10124.0 | 10985.4 | 11909.5 | 12643.0 | 13078.5 | 13415.1 | 13308.9 | 12581.4 | 11611.5 | 10713.9 | 50°   |
| 52.5° | 9643.9  | 10587.3 | 11487.2 | 12486.1 | 13241.3 | 13653.9 | 14082.2 | 13740.8 | 12872.2 | 11869.7 | 10870.8 | 52.5° |
| 55°   | 9875.5  | 10905.8 | 11844.3 | 12949.4 | 13691.3 | 14184.7 | 14461.0 | 13976.0 | 12984.4 | 11940.8 | 10925.1 | 55°   |
| 57.5° | 10032.3 | 11080.7 | 12054.2 | 13217.2 | 14096.7 | 14510.5 | 14578.0 | 13984.5 | 12912.0 | 11828.6 | 10870.8 | 57.5° |
| 60°   | 10109.5 | 11132.6 | 12149.5 | 13405.4 | 14381.4 | 14608.2 | 14485.1 | 13789.0 | 12662.3 | 11499.3 | 10520.9 | 60°   |
| 62.5° | 10101.1 | 11067.4 | 12100.1 | 13468.1 | 14438.1 | 14467.0 | 14187.1 | 13456.1 | 12202.6 | 10808.0 | 9939.4  | 62.5° |
| 65°   | 9886.4  | 10829.8 | 11821.4 | 13235.3 | 14173.9 | 14049.6 | 13697.3 | 12831.2 | 11308.7 | 9905.7  | 9466.5  | 65°   |
| 67.5° | 9267.5  | 10172.3 | 11092.8 | 12472.9 | 13429.5 | 13308.9 | 12775.7 | 11603.1 | 10270.0 | 9107.0  | 8870.6  | 67.5° |
| 70°   | 8232.4  | 8999.7  | 9807.9  | 11020.4 | 12024.1 | 11861.2 | 10928.7 | 10215.7 | 9240.9  | 8184.1  | 8102.1  | 70°   |
| 72.5° | 6882.5  | 7463.9  | 8050.2  | 8952.6  | 9643.9  | 9310.9  | 8724.6  | 8687.2  | 7899.4  | 7092.4  | 7109.3  | 72.5° |
| 75°   | 5382.9  | 5819.6  | 6093.5  | 6624.3  | 7083.9  | 6785.9  | 6820.9  | 7028.4  | 6769.1  | 6133.3  | 5927.0  | 75°   |
| 77.5° | 3900.3  | 4318.9  | 4405.7  | 4720.6  | 5043.9  | 5382.9  | 5831.7  | 6320.3  | 6402.3  | 6045.2  | 5297.3  | 77.5° |
| 80°   | 2552.7  | 3013.6  | 2842.3  | 2954.4  | 3409.3  | 4028.1  | 4847.3  | 5651.9  | 5928.2  | 5607.3  | 4686.8  | 80°   |
| 82.5° | 1505.6  | 2151.0  | 1878.3  | 2070.2  | 2358.5  | 2897.7  | 3463.5  | 4070.4  | 4532.4  | 4191.0  | 3914.7  | 82.5° |
| 85°   | 1143.7  | 1696.2  | 1796.3  | 2029.1  | 2123.2  | 2146.2  | 2245.1  | 2442.9  | 2681.8  | 2771.1  | 2763.8  | 85°   |
| 87.5° | 596.0   | 1318.6  | 1480.2  | 1369.3  | 1277.6  | 1107.5  | 863.8   | 930.1   | 850.5   | 1163.0  | 1101.4  | 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°   |



NUMBER: P159144

NUMBER: VST-F08-LED-E-U-SLR-7030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 | 2015.9 |
| 2132.9 | 2129.3 | 2131.7 | 2132.9 | 2132.9 | 2132.9 | 2135.3 |
| 2182.4 | 2172.7 | 2169.1 | 2169.1 | 2167.9 | 2164.3 | 2163.1 |
| 2235.4 | 2218.6 | 2212.5 | 2205.3 | 2199.2 | 2195.6 | 2189.6 |
| 2330.7 | 2316.3 | 2286.1 | 2269.2 | 2253.5 | 2242.7 | 2233.0 |
| 2458.6 | 2438.1 | 2409.2 | 2387.4 | 2363.3 | 2356.1 | 2344.0 |
| 2656.5 | 2638.4 | 2613.0 | 2588.9 | 2574.4 | 2549.1 | 2531.0 |
| 2965.3 | 2929.1 | 2903.8 | 2872.4 | 2837.4 | 2785.6 | 2760.2 |
| 3371.9 | 3299.5 | 3248.8 | 3221.1 | 3151.1 | 3142.6 | 3081.1 |
| 3838.7 | 3817.0 | 3739.8 | 3706.0 | 3638.5 | 3611.9 | 3515.4 |
| 4537.2 | 4520.3 | 4362.3 | 4345.4 | 4241.7 | 4164.5 | 4014.9 |
| 5455.3 | 5316.6 | 5138.0 | 5013.8 | 4836.4 | 4637.4 | 4382.8 |
| 6257.5 | 5974.0 | 5701.4 | 5411.9 | 5167.0 | 4881.1 | 4592.7 |
| 6769.1 | 6389.0 | 6038.0 | 5741.2 | 5438.4 | 5098.2 | 4727.8 |
| 7217.8 | 6834.2 | 6451.8 | 6100.7 | 5734.0 | 5298.5 | 4841.2 |
| 7754.7 | 7373.5 | 6942.8 | 6449.4 | 5978.9 | 5445.6 | 4887.1 |
| 8304.8 | 7858.4 | 7320.4 | 6716.0 | 6124.8 | 5518.0 | 4878.6 |
| 8868.2 | 8297.5 | 7582.2 | 6893.3 | 6217.7 | 5528.9 | 4821.9 |
| 9325.4 | 8604.0 | 7776.4 | 6983.8 | 6237.0 | 5491.5 | 4750.8 |
| 9648.7 | 8800.6 | 7863.2 | 7015.2 | 6212.9 | 5432.4 | 4654.3 |
| 9833.3 | 8908.0 | 7885.0 | 6992.2 | 6163.4 | 5347.9 | 4549.3 |
| 9900.8 | 8940.6 | 7863.2 | 6945.2 | 6118.8 | 5257.4 | 4475.7 |
| 9893.6 | 8922.5 | 7783.6 | 6835.4 | 5999.4 | 5136.8 | 4385.2 |
| 9757.3 | 8754.8 | 7620.8 | 6703.9 | 5898.0 | 5081.3 | 4391.3 |
| 9525.7 | 8648.6 | 7572.5 | 6730.4 | 5951.1 | 5200.7 | 4581.9 |
| 9420.7 | 8860.9 | 7843.9 | 6995.9 | 6223.8 | 5542.2 | 4975.2 |
| 9361.6 | 9206.0 | 8232.4 | 7281.8 | 6547.1 | 5955.9 | 5444.4 |
| 9120.3 | 9304.9 | 8453.2 | 7444.6 | 6835.4 | 6370.9 | 5913.7 |
| 8730.6 | 9074.5 | 8285.5 | 7413.3 | 6994.6 | 6689.4 | 6082.6 |
| 7917.5 | 8280.7 | 7538.7 | 6951.2 | 6795.6 | 6694.3 | 5829.3 |
| 6414.4 | 6602.6 | 6180.3 | 6047.6 | 6105.5 | 6106.7 | 4889.5 |
| 4730.3 | 4616.9 | 4426.2 | 4435.9 | 4825.6 | 4765.2 | 3485.3 |
| 3861.7 | 3160.7 | 2890.5 | 2993.1 | 3474.4 | 3215.0 | 2189.6 |
| 3593.8 | 2819.3 | 2327.1 | 2351.3 | 2623.9 | 2071.4 | 1318.6 |
| 2906.2 | 2569.6 | 2060.5 | 1849.4 | 1795.1 | 1380.1 | 895.1  |
| 1216.0 | 1118.3 | 832.4  | 750.4  | 615.3  | 376.4  | 171.3  |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)