

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: P153322

Luminaire Tested: **VXS-E05-LED-E1-SLR-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153322  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E05-LED-E1-SLR-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (105) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14275.5 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

Input Watts (W): 127.3  
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



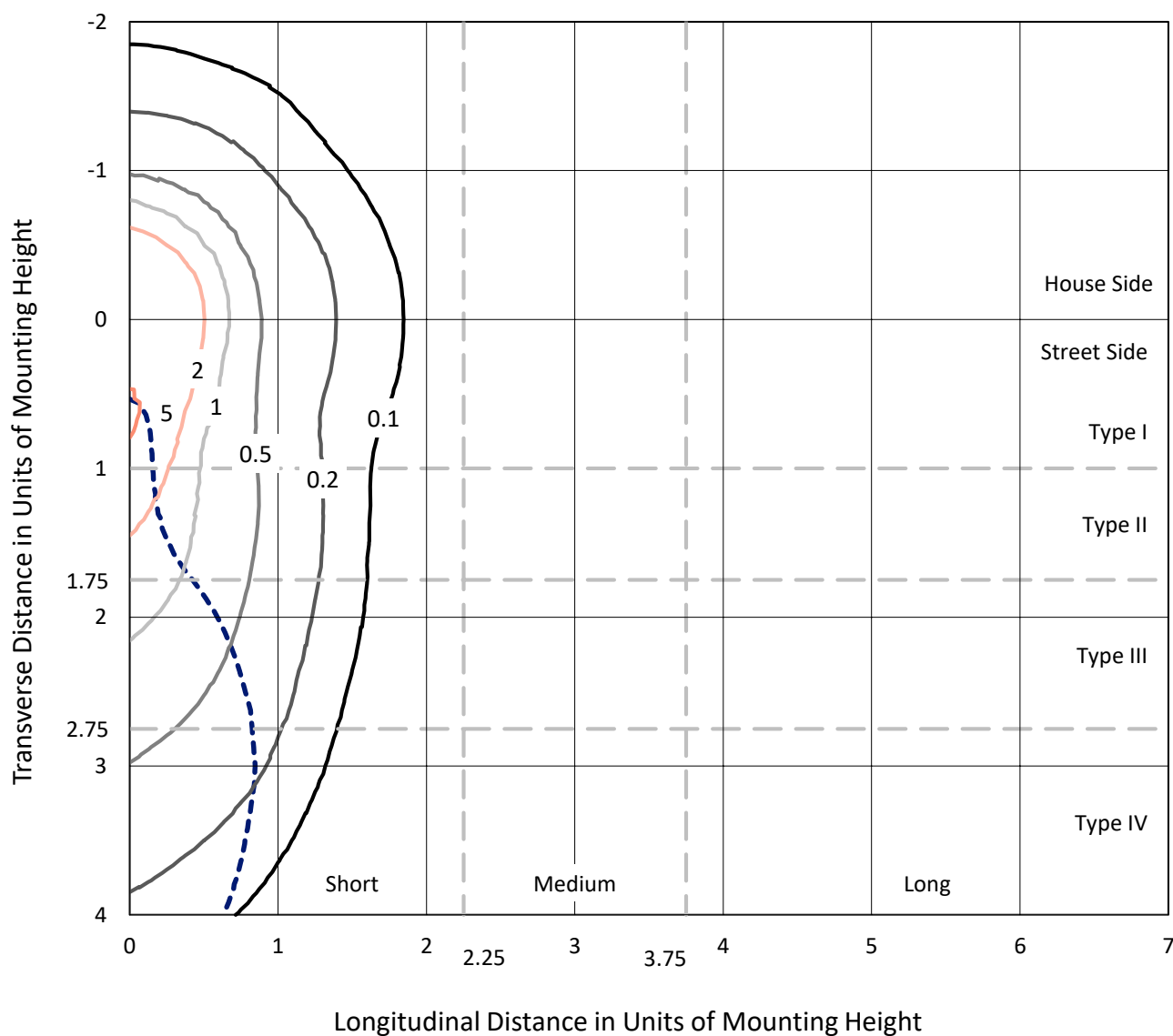
REPORT NUMBER: P153322

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

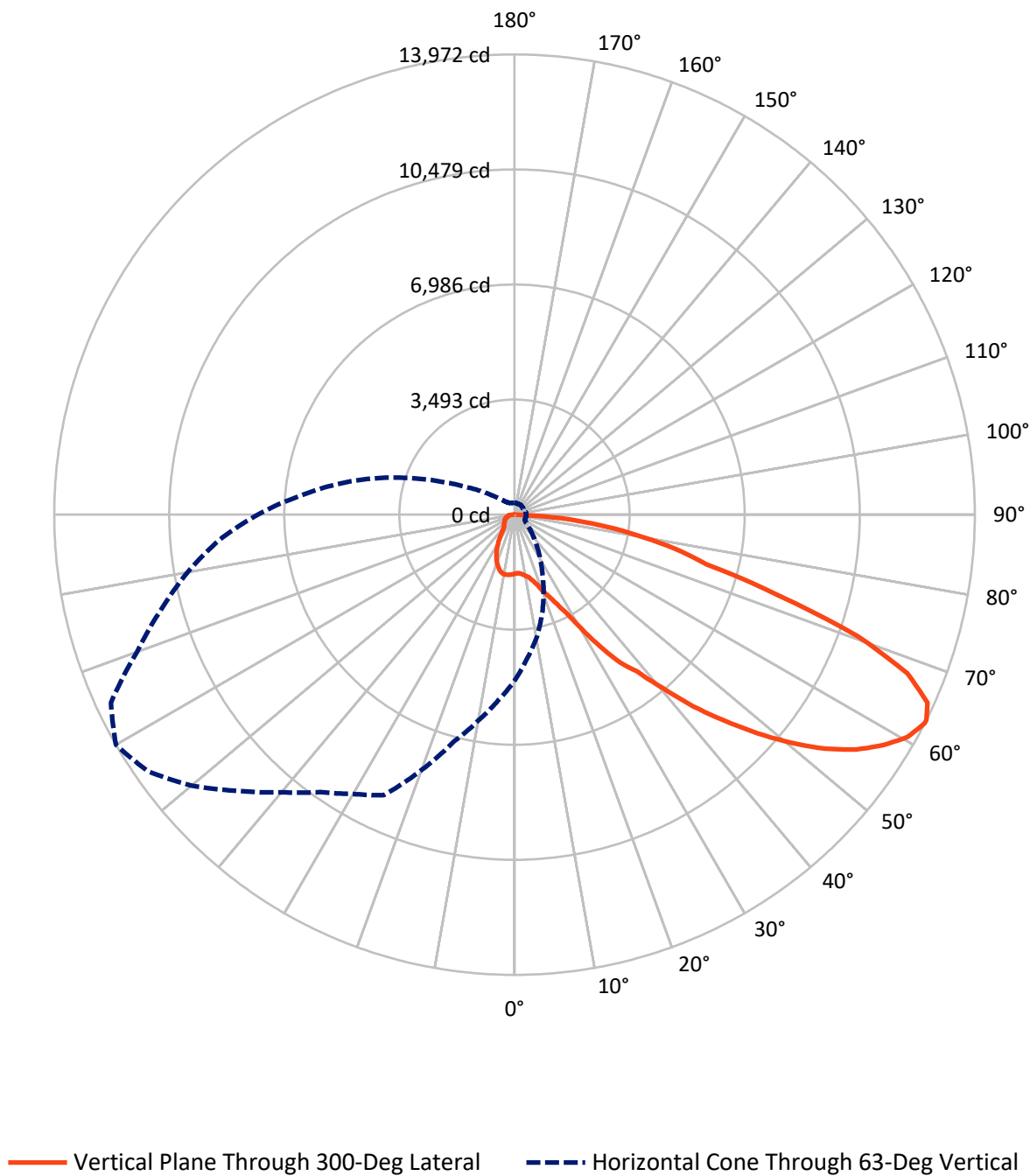


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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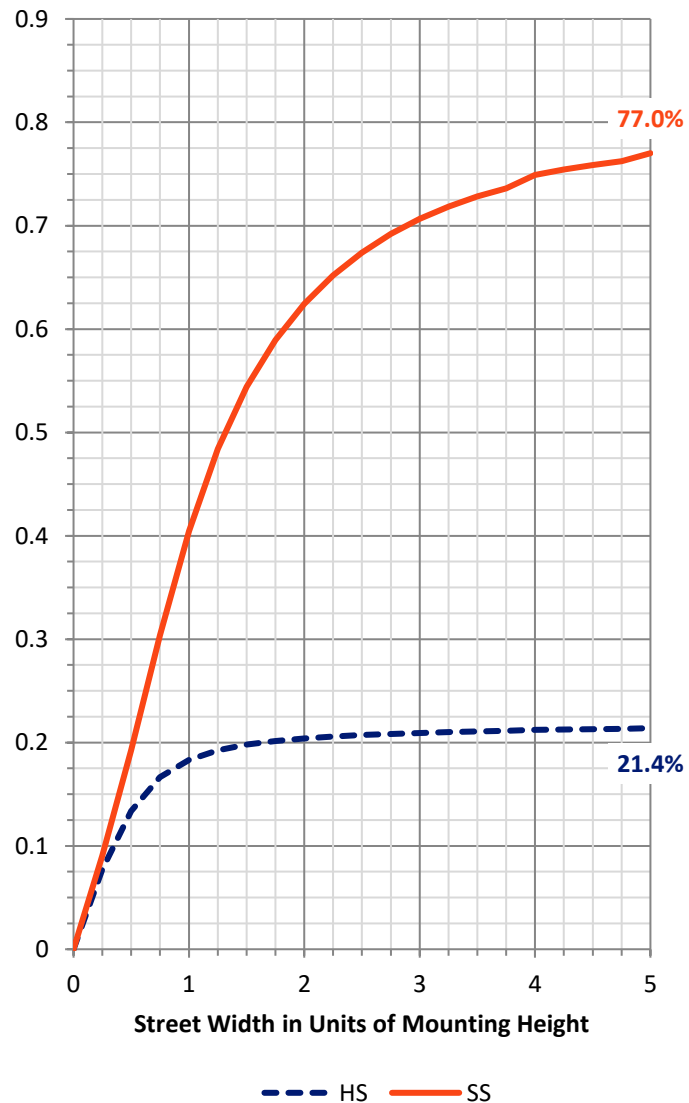
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3095.6   | 0.0    | 3095.6  |
|                    | % Fixture | 21.7     | 0.0    | 21.7    |
| <b>Street Side</b> | Lumens    | 11179.9  | 0.0    | 11179.9 |
|                    | % Fixture | 78.3     | 0.0    | 78.3    |
| <b>Total</b>       | Lumens    | 14275.5  | 0.0    | 14275.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 174.6   | 1.2       |
| 10°-20°   | 543.9   | 3.8       |
| 20°-30°   | 966.2   | 6.8       |
| 30°-40°   | 1521.6  | 10.7      |
| 40°-50°   | 2239.3  | 15.7      |
| 50°-60°   | 2974.4  | 20.8      |
| 60°-70°   | 3276.3  | 23.0      |
| 70°-80°   | 2055.6  | 14.4      |
| 80°-90°   | 523.5   | 3.7       |
| 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°    | 14275.5 | 100.0     |
| 0°-180°   | 14275.5 | 100.0     |

**Coefficient of Utilization**



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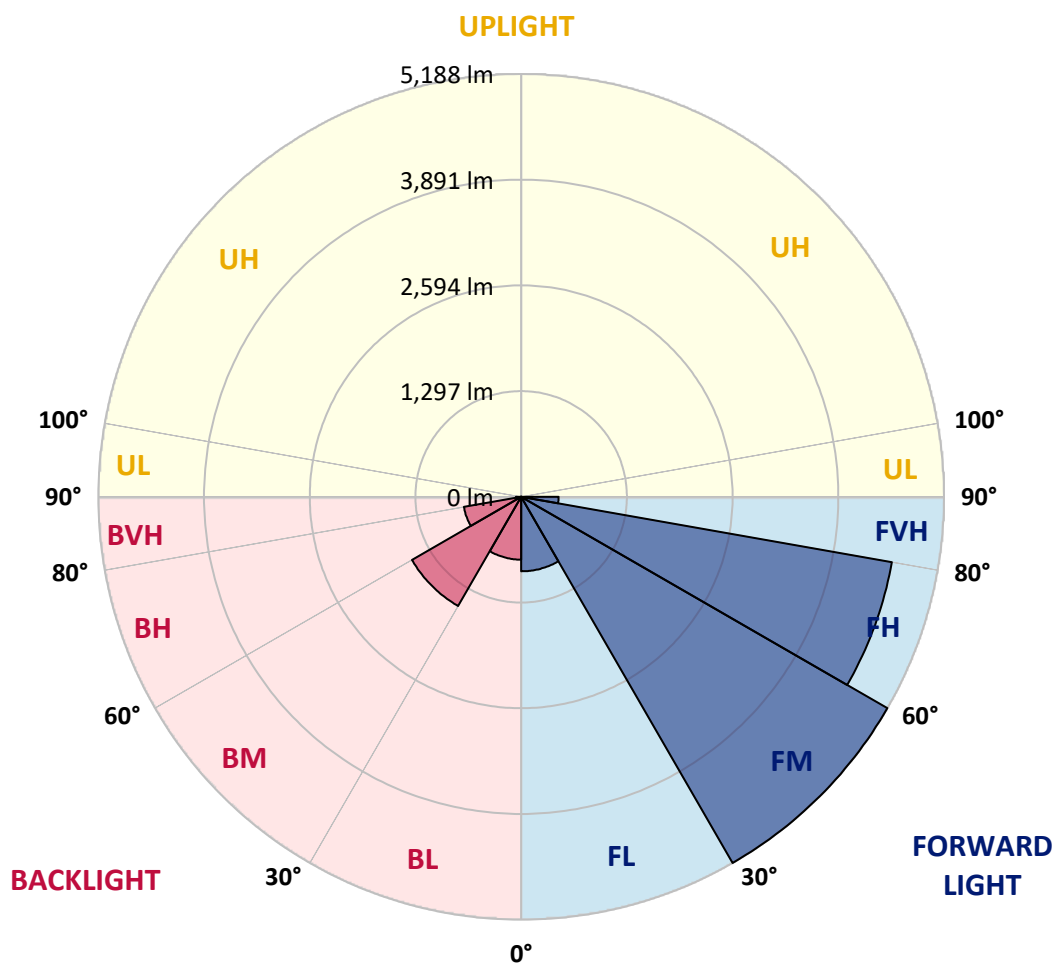
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 914.1  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 5188.0 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 4618.3 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 459.4  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 770.7  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1547.2 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 713.6  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 64.1   | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1770.1 | 1775.1 | 1773.5 | 1773.5 | 1776.9 | 1775.1 | 1775.1 | 1776.9 | 1776.9 | 1782.0 | 1788.8 |
| 5°    | 1756.4 | 1754.6 | 1751.2 | 1754.6 | 1754.6 | 1754.6 | 1747.8 | 1753.0 | 1754.6 | 1758.0 | 1758.0 |
| 7.5°  | 1773.5 | 1768.3 | 1761.5 | 1763.2 | 1763.2 | 1759.8 | 1754.6 | 1756.4 | 1754.6 | 1754.6 | 1753.0 |
| 10°   | 1795.6 | 1783.7 | 1775.1 | 1775.1 | 1775.1 | 1771.7 | 1763.2 | 1768.3 | 1768.3 | 1766.6 | 1768.3 |
| 12.5° | 1835.0 | 1821.3 | 1811.1 | 1807.7 | 1807.7 | 1802.5 | 1795.6 | 1802.5 | 1799.1 | 1799.1 | 1795.6 |
| 15°   | 1900.0 | 1884.7 | 1872.6 | 1862.4 | 1864.0 | 1864.0 | 1855.5 | 1850.4 | 1843.5 | 1835.0 | 1817.9 |
| 17.5° | 1997.5 | 1980.4 | 1965.0 | 1956.5 | 1958.1 | 1946.2 | 1922.3 | 1898.3 | 1865.8 | 1833.3 | 1797.4 |
| 20°   | 2136.0 | 2130.9 | 2110.4 | 2101.8 | 2081.2 | 2052.2 | 1985.5 | 1929.1 | 1865.8 | 1804.2 | 1742.7 |
| 22.5° | 2375.4 | 2351.5 | 2331.0 | 2298.4 | 2230.1 | 2149.7 | 2038.5 | 1939.4 | 1840.1 | 1753.0 | 1670.9 |
| 25°   | 2697.0 | 2654.2 | 2553.3 | 2454.1 | 2313.9 | 2170.3 | 2019.7 | 1891.5 | 1768.3 | 1653.8 | 1552.8 |
| 27.5° | 3013.4 | 2883.3 | 2703.8 | 2524.2 | 2319.0 | 2130.9 | 1942.8 | 1790.6 | 1646.9 | 1522.1 | 1410.9 |
| 30°   | 3396.4 | 3177.5 | 2902.2 | 2618.2 | 2327.6 | 2074.4 | 1848.7 | 1670.9 | 1505.0 | 1373.3 | 1257.0 |
| 32.5° | 3755.5 | 3439.2 | 3078.3 | 2705.5 | 2346.3 | 2021.5 | 1740.9 | 1539.2 | 1368.2 | 1202.3 | 1087.7 |
| 35°   | 4001.8 | 3591.4 | 3153.6 | 2714.1 | 2300.2 | 1920.5 | 1605.9 | 1368.2 | 1197.1 | 1043.2 | 908.1  |
| 37.5° | 4148.9 | 3658.0 | 3157.0 | 2652.4 | 2192.4 | 1783.7 | 1434.8 | 1198.9 | 1041.5 | 894.4  | 788.4  |
| 40°   | 4241.2 | 3673.5 | 3112.5 | 2563.5 | 2055.6 | 1611.0 | 1263.8 | 1051.7 | 908.1  | 790.1  | 708.0  |
| 42.5° | 4285.7 | 3649.5 | 3040.7 | 2450.7 | 1917.1 | 1457.1 | 1144.1 | 944.0  | 819.2  | 735.3  | 673.8  |
| 45°   | 4292.5 | 3606.7 | 2963.7 | 2348.1 | 1794.0 | 1345.9 | 1062.0 | 899.6  | 796.9  | 726.8  | 665.3  |
| 47.5° | 4292.5 | 3569.1 | 2902.2 | 2272.8 | 1713.6 | 1298.0 | 1055.1 | 918.3  | 817.5  | 738.8  | 665.3  |
| 50°   | 4296.0 | 3557.2 | 2876.5 | 2235.2 | 1686.2 | 1323.6 | 1113.4 | 976.5  | 862.0  | 759.3  | 663.5  |
| 52.5° | 4311.4 | 3572.5 | 2897.0 | 2264.2 | 1735.9 | 1426.3 | 1222.8 | 1063.7 | 920.1  | 783.2  | 663.5  |
| 55°   | 4345.6 | 3623.8 | 2984.2 | 2365.2 | 1869.2 | 1581.9 | 1354.5 | 1157.8 | 966.2  | 793.5  | 653.3  |
| 57.5° | 4441.3 | 3753.9 | 3143.3 | 2560.1 | 2096.7 | 1761.5 | 1474.2 | 1224.5 | 983.3  | 785.0  | 632.7  |
| 60°   | 4632.8 | 4012.0 | 3415.2 | 2833.8 | 2337.8 | 1915.4 | 1544.2 | 1234.7 | 968.0  | 757.6  | 600.3  |
| 62.5° | 4939.0 | 4308.0 | 3745.3 | 3131.3 | 2551.6 | 2000.9 | 1552.8 | 1209.1 | 926.9  | 708.0  | 552.4  |
| 63°   | 5045.0 | 4381.5 | 3815.4 | 3187.8 | 2579.0 | 2007.8 | 1546.0 | 1198.9 | 916.7  | 694.3  | 545.6  |
| 65°   | 5340.8 | 4691.0 | 4058.2 | 3386.1 | 2655.9 | 2009.4 | 1508.4 | 1147.6 | 868.8  | 641.3  | 497.6  |
| 67.5° | 5893.3 | 5098.0 | 4364.4 | 3541.8 | 2683.3 | 1954.7 | 1412.6 | 1051.7 | 767.9  | 559.3  | 437.8  |
| 70°   | 6242.2 | 5325.5 | 4482.4 | 3545.2 | 2602.9 | 1799.1 | 1246.7 | 896.2  | 639.6  | 463.4  | 376.3  |
| 72.5° | 6151.5 | 5101.5 | 4171.1 | 3225.4 | 2255.8 | 1503.2 | 1002.2 | 704.6  | 499.4  | 371.1  | 313.0  |
| 75°   | 5269.0 | 4246.3 | 3403.2 | 2498.5 | 1705.1 | 1104.8 | 733.7  | 502.8  | 369.4  | 290.8  | 261.7  |
| 77.5° | 3793.2 | 3056.1 | 2440.4 | 1780.3 | 1149.2 | 714.8  | 487.4  | 359.2  | 280.5  | 239.4  | 215.4  |
| 80°   | 2416.5 | 1792.2 | 1493.0 | 1070.6 | 672.1  | 442.9  | 335.2  | 271.9  | 230.9  | 200.1  | 184.7  |
| 82.5° | 1262.1 | 884.1  | 718.2  | 547.3  | 372.8  | 292.4  | 246.2  | 222.3  | 189.8  | 165.9  | 157.3  |
| 85°   | 786.6  | 521.6  | 386.5  | 270.3  | 186.4  | 167.6  | 153.9  | 150.5  | 135.1  | 119.7  | 114.6  |
| 87.5° | 88.9   | 80.4   | 83.8   | 53.1   | 39.4   | 42.8   | 41.0   | 54.7   | 53.1   | 39.4   | 41.0   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1782.0 | 1785.4 | 1785.4 | 1790.6 | 1790.6 | 1794.0 | 1797.4 | 1797.4 | 1800.8 | 1802.5 | 1805.9 |
| 5°    | 1761.5 | 1761.5 | 1761.5 | 1768.3 | 1770.1 | 1780.3 | 1783.7 | 1787.2 | 1790.6 | 1802.5 | 1809.3 |
| 7.5°  | 1756.4 | 1749.5 | 1753.0 | 1753.0 | 1758.0 | 1766.6 | 1775.1 | 1780.3 | 1785.4 | 1800.8 | 1811.1 |
| 10°   | 1766.6 | 1761.5 | 1756.4 | 1756.4 | 1758.0 | 1761.5 | 1768.3 | 1773.5 | 1776.9 | 1792.2 | 1800.8 |
| 12.5° | 1794.0 | 1782.0 | 1771.7 | 1763.2 | 1756.4 | 1754.6 | 1751.2 | 1753.0 | 1756.4 | 1764.9 | 1776.9 |
| 15°   | 1799.1 | 1776.9 | 1754.6 | 1732.4 | 1715.3 | 1705.1 | 1696.5 | 1693.1 | 1693.1 | 1698.2 | 1711.9 |
| 17.5° | 1764.9 | 1727.3 | 1694.8 | 1665.7 | 1646.9 | 1628.1 | 1619.6 | 1612.7 | 1609.3 | 1616.2 | 1617.8 |
| 20°   | 1691.4 | 1646.9 | 1602.4 | 1568.2 | 1534.0 | 1528.9 | 1515.2 | 1518.7 | 1522.1 | 1532.3 | 1537.4 |
| 22.5° | 1590.5 | 1537.4 | 1482.7 | 1446.8 | 1419.5 | 1395.5 | 1380.1 | 1386.9 | 1392.1 | 1402.4 | 1407.5 |
| 25°   | 1467.4 | 1390.4 | 1332.2 | 1296.3 | 1267.3 | 1246.7 | 1229.6 | 1236.5 | 1229.6 | 1241.6 | 1260.4 |
| 27.5° | 1322.0 | 1231.3 | 1169.7 | 1128.7 | 1108.2 | 1091.1 | 1074.0 | 1074.0 | 1091.1 | 1091.1 | 1106.5 |
| 30°   | 1145.8 | 1079.2 | 998.8  | 956.0  | 930.4  | 920.1  | 918.3  | 914.9  | 926.9  | 933.8  | 950.9  |
| 32.5° | 979.9  | 897.8  | 820.9  | 779.8  | 757.6  | 745.6  | 747.4  | 749.0  | 754.2  | 764.5  | 791.8  |
| 35°   | 812.3  | 740.5  | 685.8  | 639.6  | 617.4  | 595.1  | 595.1  | 591.7  | 596.9  | 608.8  | 641.3  |
| 37.5° | 704.6  | 641.3  | 598.5  | 562.7  | 540.4  | 526.7  | 514.7  | 509.6  | 509.6  | 514.7  | 526.7  |
| 40°   | 644.8  | 598.5  | 559.3  | 528.4  | 507.9  | 496.0  | 489.1  | 483.9  | 480.5  | 480.5  | 482.3  |
| 42.5° | 617.4  | 569.5  | 530.2  | 502.8  | 487.4  | 480.5  | 478.9  | 477.1  | 472.0  | 470.3  | 468.6  |
| 45°   | 603.7  | 549.0  | 504.5  | 482.3  | 470.3  | 466.8  | 468.6  | 468.6  | 466.8  | 463.4  | 456.6  |
| 47.5° | 593.5  | 530.2  | 485.7  | 465.2  | 460.0  | 460.0  | 460.0  | 460.0  | 458.3  | 456.6  | 451.5  |
| 50°   | 576.4  | 501.0  | 453.2  | 437.8  | 434.4  | 434.4  | 436.1  | 436.1  | 439.5  | 436.1  | 432.6  |
| 52.5° | 557.5  | 473.7  | 425.8  | 412.1  | 410.5  | 408.7  | 408.7  | 408.7  | 410.5  | 410.5  | 408.7  |
| 55°   | 537.0  | 453.2  | 412.1  | 401.9  | 403.6  | 401.9  | 400.2  | 398.4  | 398.4  | 396.8  | 393.4  |
| 57.5° | 516.5  | 436.1  | 401.9  | 395.0  | 396.8  | 396.8  | 393.4  | 389.9  | 388.2  | 383.1  | 379.7  |
| 60°   | 485.7  | 412.1  | 381.3  | 377.9  | 383.1  | 383.1  | 383.1  | 381.3  | 381.3  | 379.7  | 371.1  |
| 62.5° | 444.7  | 377.9  | 354.0  | 355.8  | 357.4  | 360.8  | 360.8  | 360.8  | 360.8  | 357.4  | 348.9  |
| 63°   | 436.1  | 371.1  | 348.9  | 348.9  | 354.0  | 354.0  | 355.8  | 354.0  | 355.8  | 352.3  | 342.1  |
| 65°   | 401.9  | 348.9  | 331.8  | 333.5  | 336.9  | 336.9  | 336.9  | 335.2  | 335.2  | 330.1  | 325.0  |
| 67.5° | 362.6  | 321.6  | 311.3  | 313.0  | 314.7  | 318.1  | 316.4  | 316.4  | 318.1  | 314.7  | 309.5  |
| 70°   | 318.1  | 292.4  | 285.6  | 287.4  | 289.0  | 289.0  | 287.4  | 287.4  | 289.0  | 285.6  | 280.5  |
| 72.5° | 283.9  | 273.7  | 268.5  | 268.5  | 265.1  | 265.1  | 261.7  | 259.9  | 258.2  | 258.2  | 253.1  |
| 75°   | 239.4  | 237.7  | 239.4  | 242.8  | 239.4  | 236.0  | 234.3  | 229.1  | 225.7  | 225.7  | 224.0  |
| 77.5° | 205.2  | 205.2  | 208.6  | 213.8  | 215.4  | 215.4  | 210.4  | 201.8  | 200.1  | 200.1  | 200.1  |
| 80°   | 177.8  | 174.4  | 174.4  | 179.6  | 184.7  | 183.0  | 174.4  | 165.9  | 165.9  | 174.4  | 176.2  |
| 82.5° | 155.6  | 155.6  | 150.5  | 152.2  | 150.5  | 148.8  | 140.2  | 135.1  | 133.4  | 140.2  | 147.0  |
| 85°   | 123.1  | 124.9  | 123.1  | 121.5  | 119.7  | 114.6  | 107.8  | 102.6  | 100.9  | 107.8  | 118.0  |
| 87.5° | 49.6   | 47.9   | 46.2   | 47.9   | 46.2   | 49.6   | 47.9   | 44.5   | 42.8   | 47.9   | 58.1   |
| 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°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1807.7 | 1811.1 | 1814.5 | 1814.5 | 1817.9 | 1816.2 | 1817.9 | 1819.6 | 1819.6 | 1821.3 | 1821.3 |
| 5°    | 1817.9 | 1823.0 | 1829.8 | 1836.7 | 1838.4 | 1843.5 | 1848.7 | 1845.3 | 1850.4 | 1857.2 | 1857.2 |
| 7.5°  | 1821.3 | 1833.3 | 1838.4 | 1848.7 | 1850.4 | 1857.2 | 1869.2 | 1860.6 | 1870.9 | 1876.1 | 1877.8 |
| 10°   | 1816.2 | 1828.2 | 1836.7 | 1848.7 | 1853.8 | 1865.8 | 1877.8 | 1874.4 | 1886.3 | 1894.9 | 1896.6 |
| 12.5° | 1785.4 | 1797.4 | 1816.2 | 1833.3 | 1846.9 | 1865.8 | 1888.1 | 1881.2 | 1898.3 | 1908.6 | 1913.7 |
| 15°   | 1725.6 | 1737.5 | 1758.0 | 1785.4 | 1811.1 | 1840.1 | 1869.2 | 1874.4 | 1891.5 | 1903.4 | 1908.6 |
| 17.5° | 1631.5 | 1646.9 | 1669.1 | 1698.2 | 1730.7 | 1780.3 | 1817.9 | 1836.7 | 1860.6 | 1867.5 | 1876.1 |
| 20°   | 1544.2 | 1559.7 | 1573.4 | 1590.5 | 1614.4 | 1662.3 | 1711.9 | 1749.5 | 1780.3 | 1805.9 | 1812.7 |
| 22.5° | 1428.0 | 1441.7 | 1458.8 | 1472.4 | 1489.5 | 1523.7 | 1564.8 | 1607.6 | 1655.4 | 1670.9 | 1688.0 |
| 25°   | 1287.8 | 1296.3 | 1320.2 | 1328.8 | 1340.8 | 1369.8 | 1402.4 | 1433.2 | 1479.3 | 1511.8 | 1520.3 |
| 27.5° | 1137.3 | 1145.8 | 1168.1 | 1173.2 | 1188.6 | 1216.0 | 1239.9 | 1251.8 | 1294.6 | 1328.8 | 1356.2 |
| 30°   | 962.8  | 985.1  | 1012.4 | 1015.9 | 1033.0 | 1050.1 | 1072.3 | 1084.2 | 1123.6 | 1159.5 | 1193.7 |
| 32.5° | 812.3  | 834.6  | 856.8  | 870.5  | 879.1  | 892.7  | 914.9  | 926.9  | 964.6  | 997.0  | 1031.2 |
| 35°   | 658.4  | 685.8  | 709.7  | 728.5  | 735.3  | 752.4  | 769.5  | 781.6  | 820.9  | 849.9  | 873.9  |
| 37.5° | 542.2  | 562.7  | 588.3  | 607.2  | 625.9  | 637.9  | 658.4  | 675.5  | 699.5  | 714.8  | 740.5  |
| 40°   | 485.7  | 496.0  | 509.6  | 525.0  | 540.4  | 554.1  | 569.5  | 583.2  | 598.5  | 619.1  | 636.2  |
| 42.5° | 466.8  | 468.6  | 468.6  | 473.7  | 482.3  | 489.1  | 502.8  | 513.1  | 523.3  | 538.8  | 547.3  |
| 45°   | 453.2  | 451.5  | 448.1  | 444.7  | 446.3  | 449.7  | 458.3  | 465.2  | 477.1  | 483.9  | 485.7  |
| 47.5° | 446.3  | 439.5  | 432.6  | 427.6  | 425.8  | 427.6  | 434.4  | 441.2  | 448.1  | 453.2  | 454.9  |
| 50°   | 424.1  | 419.0  | 408.7  | 401.9  | 398.4  | 401.9  | 410.5  | 413.9  | 420.7  | 425.8  | 427.6  |
| 52.5° | 401.9  | 395.0  | 388.2  | 381.3  | 381.3  | 383.1  | 389.9  | 396.8  | 403.6  | 405.3  | 408.7  |
| 55°   | 388.2  | 377.9  | 371.1  | 366.0  | 362.6  | 367.7  | 372.8  | 381.3  | 389.9  | 391.6  | 395.0  |
| 57.5° | 374.5  | 364.2  | 357.4  | 352.3  | 348.9  | 354.0  | 359.2  | 371.1  | 381.3  | 381.3  | 381.3  |
| 60°   | 366.0  | 357.4  | 347.2  | 342.1  | 336.9  | 342.1  | 348.9  | 360.8  | 371.1  | 369.4  | 367.7  |
| 62.5° | 342.1  | 333.5  | 328.4  | 328.4  | 323.2  | 331.8  | 338.7  | 352.3  | 354.0  | 350.6  | 347.2  |
| 63°   | 335.2  | 328.4  | 325.0  | 325.0  | 321.6  | 330.1  | 336.9  | 348.9  | 348.9  | 345.5  | 342.1  |
| 65°   | 318.1  | 313.0  | 309.5  | 313.0  | 313.0  | 321.6  | 323.2  | 331.8  | 330.1  | 325.0  | 323.2  |
| 67.5° | 304.5  | 301.0  | 297.6  | 297.6  | 297.6  | 299.3  | 301.0  | 304.5  | 302.7  | 301.0  | 302.7  |
| 70°   | 282.2  | 280.5  | 277.1  | 277.1  | 275.3  | 275.3  | 275.3  | 277.1  | 277.1  | 278.8  | 280.5  |
| 72.5° | 254.8  | 251.4  | 251.4  | 253.1  | 249.6  | 251.4  | 253.1  | 251.4  | 254.8  | 254.8  | 256.5  |
| 75°   | 224.0  | 222.3  | 225.7  | 229.1  | 227.5  | 227.5  | 229.1  | 229.1  | 230.9  | 230.9  | 232.5  |
| 77.5° | 200.1  | 201.8  | 203.5  | 206.9  | 208.6  | 208.6  | 208.6  | 206.9  | 208.6  | 208.6  | 210.4  |
| 80°   | 177.8  | 181.2  | 184.7  | 188.1  | 189.8  | 189.8  | 189.8  | 188.1  | 188.1  | 188.1  | 188.1  |
| 82.5° | 160.7  | 165.9  | 169.3  | 171.0  | 171.0  | 171.0  | 171.0  | 171.0  | 171.0  | 167.6  | 164.1  |
| 85°   | 135.1  | 145.4  | 145.4  | 147.0  | 142.0  | 138.5  | 135.1  | 136.8  | 138.5  | 131.7  | 129.9  |
| 87.5° | 68.4   | 68.4   | 71.8   | 75.2   | 77.0   | 77.0   | 87.3   | 82.1   | 80.4   | 78.7   | 75.2   |
| 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°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1823.0 | 1821.3 | 1824.8 | 1821.3 | 1823.0 | 1824.8 | 1821.3 | 1826.4 | 1829.8 | 1824.8 | 1819.6 |
| 5°    | 1860.6 | 1860.6 | 1869.2 | 1872.6 | 1874.4 | 1884.7 | 1879.5 | 1882.9 | 1886.3 | 1884.7 | 1886.3 |
| 7.5°  | 1884.7 | 1891.5 | 1900.0 | 1908.6 | 1910.3 | 1918.9 | 1917.1 | 1922.3 | 1925.7 | 1934.2 | 1934.2 |
| 10°   | 1905.2 | 1913.7 | 1925.7 | 1934.2 | 1942.8 | 1949.6 | 1953.1 | 1963.3 | 1965.0 | 1971.8 | 1971.8 |
| 12.5° | 1923.9 | 1934.2 | 1946.2 | 1959.9 | 1968.4 | 1982.1 | 1983.8 | 1999.2 | 2004.4 | 2006.0 | 2000.9 |
| 15°   | 1920.5 | 1932.5 | 1946.2 | 1961.6 | 1977.0 | 1994.1 | 2004.4 | 2019.7 | 2028.3 | 2031.7 | 2023.1 |
| 17.5° | 1888.1 | 1898.3 | 1915.4 | 1936.0 | 1954.7 | 1977.0 | 1995.8 | 2018.0 | 2031.7 | 2035.1 | 2033.4 |
| 20°   | 1824.8 | 1831.6 | 1853.8 | 1881.2 | 1903.4 | 1937.6 | 1965.0 | 1999.2 | 2021.5 | 2038.5 | 2043.6 |
| 22.5° | 1699.9 | 1717.0 | 1739.3 | 1770.1 | 1802.5 | 1845.3 | 1884.7 | 1934.2 | 1982.1 | 2023.1 | 2064.1 |
| 25°   | 1549.4 | 1580.2 | 1614.4 | 1655.4 | 1694.8 | 1739.3 | 1783.7 | 1840.1 | 1910.3 | 1995.8 | 2093.3 |
| 27.5° | 1397.2 | 1450.3 | 1493.0 | 1546.0 | 1592.1 | 1636.7 | 1686.2 | 1747.8 | 1824.8 | 1927.4 | 2052.2 |
| 30°   | 1243.3 | 1303.1 | 1349.3 | 1410.9 | 1472.4 | 1532.3 | 1581.9 | 1646.9 | 1722.2 | 1826.4 | 1963.3 |
| 32.5° | 1079.2 | 1139.0 | 1193.7 | 1250.2 | 1318.5 | 1390.4 | 1450.3 | 1530.6 | 1611.0 | 1718.8 | 1857.2 |
| 35°   | 909.8  | 962.8  | 1009.0 | 1068.8 | 1144.1 | 1221.0 | 1299.7 | 1392.1 | 1479.3 | 1592.1 | 1739.3 |
| 37.5° | 762.7  | 800.3  | 844.9  | 897.8  | 956.0  | 1038.0 | 1127.0 | 1236.5 | 1335.6 | 1458.8 | 1609.3 |
| 40°   | 641.3  | 661.9  | 687.5  | 731.9  | 785.0  | 865.4  | 952.5  | 1068.8 | 1188.6 | 1323.6 | 1469.0 |
| 42.5° | 547.3  | 557.5  | 564.4  | 593.5  | 636.2  | 714.8  | 798.7  | 911.5  | 1043.2 | 1190.3 | 1337.3 |
| 45°   | 485.7  | 490.8  | 492.5  | 507.9  | 538.8  | 607.2  | 694.3  | 790.1  | 916.7  | 1060.3 | 1214.2 |
| 47.5° | 456.6  | 461.8  | 465.2  | 468.6  | 487.4  | 540.4  | 619.1  | 709.7  | 826.0  | 957.7  | 1115.0 |
| 50°   | 432.6  | 437.8  | 442.9  | 441.2  | 449.7  | 483.9  | 550.7  | 634.5  | 743.9  | 865.4  | 1020.9 |
| 52.5° | 408.7  | 412.1  | 412.1  | 412.1  | 417.3  | 439.5  | 487.4  | 564.4  | 665.3  | 779.8  | 933.8  |
| 55°   | 395.0  | 398.4  | 400.2  | 401.9  | 403.6  | 415.5  | 451.5  | 513.1  | 600.3  | 706.3  | 844.9  |
| 57.5° | 381.3  | 383.1  | 386.5  | 388.2  | 391.6  | 398.4  | 420.7  | 465.2  | 538.8  | 627.7  | 743.9  |
| 60°   | 369.4  | 372.8  | 379.7  | 381.3  | 384.8  | 386.5  | 396.8  | 424.1  | 472.0  | 540.4  | 634.5  |
| 62.5° | 350.6  | 355.8  | 362.6  | 364.2  | 367.7  | 369.4  | 371.1  | 386.5  | 408.7  | 449.7  | 519.9  |
| 63°   | 345.5  | 350.6  | 359.2  | 360.8  | 362.6  | 362.6  | 364.2  | 374.5  | 395.0  | 431.0  | 482.3  |
| 65°   | 326.6  | 333.5  | 338.7  | 340.3  | 342.1  | 342.1  | 340.3  | 343.7  | 345.5  | 360.8  | 391.6  |
| 67.5° | 306.1  | 311.3  | 314.7  | 316.4  | 314.7  | 316.4  | 314.7  | 311.3  | 307.9  | 311.3  | 325.0  |
| 70°   | 285.6  | 289.0  | 289.0  | 290.8  | 292.4  | 294.2  | 290.8  | 287.4  | 283.9  | 282.2  | 290.8  |
| 72.5° | 261.7  | 265.1  | 265.1  | 266.7  | 266.7  | 270.3  | 270.3  | 268.5  | 268.5  | 270.3  | 271.9  |
| 75°   | 237.7  | 241.1  | 239.4  | 242.8  | 242.8  | 248.0  | 248.0  | 249.6  | 253.1  | 251.4  | 249.6  |
| 77.5° | 215.4  | 217.2  | 217.2  | 218.9  | 220.6  | 229.1  | 234.3  | 236.0  | 236.0  | 232.5  | 229.1  |
| 80°   | 191.5  | 191.5  | 188.1  | 186.4  | 188.1  | 196.7  | 206.9  | 208.6  | 213.8  | 212.0  | 213.8  |
| 82.5° | 160.7  | 153.9  | 148.8  | 148.8  | 152.2  | 157.3  | 160.7  | 164.1  | 167.6  | 167.6  | 171.0  |
| 85°   | 123.1  | 116.3  | 111.2  | 112.8  | 118.0  | 119.7  | 118.0  | 118.0  | 124.9  | 129.9  | 124.9  |
| 87.5° | 73.6   | 66.7   | 63.3   | 58.1   | 59.9   | 65.0   | 63.3   | 58.1   | 59.9   | 47.9   | 44.5   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1823.0 | 1821.3 | 1817.9 | 1812.7 | 1811.1 | 1807.7 | 1809.3 | 1804.2 | 1800.8 | 1797.4 | 1792.2 |
| 5°    | 1886.3 | 1886.3 | 1876.1 | 1876.1 | 1870.9 | 1869.2 | 1857.2 | 1852.1 | 1841.9 | 1845.3 | 1833.3 |
| 7.5°  | 1930.8 | 1936.0 | 1923.9 | 1922.3 | 1915.4 | 1913.7 | 1898.3 | 1893.2 | 1884.7 | 1881.2 | 1870.9 |
| 10°   | 1963.3 | 1963.3 | 1947.9 | 1936.0 | 1927.4 | 1918.9 | 1903.4 | 1896.6 | 1889.7 | 1891.5 | 1884.7 |
| 12.5° | 1988.9 | 1977.0 | 1954.7 | 1937.6 | 1925.7 | 1917.1 | 1905.2 | 1900.0 | 1898.3 | 1910.3 | 1912.0 |
| 15°   | 2009.4 | 1992.3 | 1965.0 | 1953.1 | 1942.8 | 1941.0 | 1941.0 | 1946.2 | 1958.1 | 1980.4 | 1997.5 |
| 17.5° | 2021.5 | 2011.2 | 1997.5 | 1994.1 | 2011.2 | 2021.5 | 2035.1 | 2050.5 | 2067.6 | 2098.3 | 2117.2 |
| 20°   | 2043.6 | 2050.5 | 2060.7 | 2074.4 | 2101.8 | 2127.5 | 2144.6 | 2166.8 | 2187.4 | 2225.0 | 2255.8 |
| 22.5° | 2101.8 | 2141.1 | 2173.7 | 2201.0 | 2242.1 | 2277.9 | 2300.2 | 2331.0 | 2346.3 | 2372.0 | 2419.9 |
| 25°   | 2177.1 | 2257.4 | 2325.8 | 2383.9 | 2447.3 | 2484.9 | 2515.6 | 2555.0 | 2579.0 | 2621.7 | 2664.5 |
| 27.5° | 2154.8 | 2269.4 | 2372.0 | 2479.8 | 2566.9 | 2664.5 | 2732.8 | 2797.8 | 2838.9 | 2902.2 | 2958.7 |
| 30°   | 2086.4 | 2223.2 | 2361.8 | 2503.7 | 2642.2 | 2782.5 | 2912.4 | 3030.5 | 3121.0 | 3211.7 | 3304.0 |
| 32.5° | 1994.1 | 2151.4 | 2320.7 | 2495.1 | 2676.5 | 2871.4 | 3051.0 | 3228.8 | 3379.3 | 3511.0 | 3639.3 |
| 35°   | 1888.1 | 2065.9 | 2242.1 | 2457.5 | 2681.6 | 2929.5 | 3179.2 | 3425.5 | 3654.6 | 3887.3 | 4044.6 |
| 37.5° | 1761.5 | 1942.8 | 2139.4 | 2387.4 | 2650.8 | 2956.9 | 3275.0 | 3596.5 | 3921.5 | 4234.4 | 4506.3 |
| 40°   | 1626.4 | 1811.1 | 2018.0 | 2286.5 | 2584.0 | 2939.8 | 3336.6 | 3769.2 | 4215.5 | 4668.8 | 5029.6 |
| 42.5° | 1506.6 | 1696.5 | 1922.3 | 2194.2 | 2517.4 | 2917.5 | 3386.1 | 3918.0 | 4463.5 | 5024.5 | 5554.6 |
| 45°   | 1390.4 | 1599.0 | 1836.7 | 2129.1 | 2488.3 | 2934.6 | 3459.7 | 4056.6 | 4685.9 | 5366.5 | 6013.0 |
| 47.5° | 1286.0 | 1498.1 | 1729.0 | 2048.8 | 2445.6 | 2943.2 | 3531.5 | 4195.0 | 4896.3 | 5633.4 | 6401.1 |
| 50°   | 1192.0 | 1397.2 | 1624.7 | 1946.2 | 2378.9 | 2938.0 | 3596.5 | 4319.9 | 5077.5 | 5843.6 | 6700.5 |
| 52.5° | 1099.7 | 1308.3 | 1540.8 | 1846.9 | 2296.8 | 2909.0 | 3627.3 | 4422.5 | 5245.1 | 6055.8 | 6941.6 |
| 55°   | 1009.0 | 1214.2 | 1448.5 | 1753.0 | 2189.0 | 2833.8 | 3623.8 | 4489.2 | 5378.5 | 6255.9 | 7174.2 |
| 57.5° | 903.0  | 1097.9 | 1327.0 | 1648.6 | 2074.4 | 2717.5 | 3572.5 | 4520.0 | 5493.1 | 6454.2 | 7453.0 |
| 60°   | 771.3  | 954.3  | 1174.9 | 1496.4 | 1923.9 | 2568.7 | 3464.8 | 4502.9 | 5559.8 | 6601.2 | 7690.7 |
| 62.5° | 608.8  | 767.9  | 969.6  | 1284.4 | 1735.9 | 2354.9 | 3263.0 | 4347.3 | 5453.8 | 6580.7 | 7801.9 |
| 63°   | 574.6  | 725.1  | 921.8  | 1233.1 | 1655.4 | 2296.8 | 3203.1 | 4285.7 | 5402.5 | 6538.0 | 7786.4 |
| 65°   | 461.8  | 559.3  | 716.6  | 995.3  | 1385.3 | 2011.2 | 2905.6 | 3969.3 | 5127.2 | 6237.0 | 7564.1 |
| 67.5° | 354.0  | 403.6  | 487.4  | 682.4  | 979.9  | 1581.9 | 2353.2 | 3363.9 | 4449.8 | 5493.1 | 6847.6 |
| 70°   | 302.7  | 325.0  | 360.8  | 453.2  | 622.5  | 998.8  | 1652.0 | 2508.8 | 3449.4 | 4354.1 | 5571.7 |
| 72.5° | 275.3  | 285.6  | 304.5  | 343.7  | 427.6  | 598.5  | 1053.5 | 1633.3 | 2346.3 | 3103.9 | 4044.6 |
| 75°   | 253.1  | 261.7  | 277.1  | 297.6  | 328.4  | 398.4  | 600.3  | 998.8  | 1525.5 | 2038.5 | 2729.4 |
| 77.5° | 230.9  | 236.0  | 253.1  | 271.9  | 292.4  | 328.4  | 396.8  | 574.6  | 877.3  | 1202.3 | 1645.2 |
| 80°   | 212.0  | 208.6  | 220.6  | 251.4  | 271.9  | 292.4  | 313.0  | 372.8  | 499.4  | 658.4  | 889.3  |
| 82.5° | 169.3  | 172.7  | 183.0  | 213.8  | 222.3  | 217.2  | 220.6  | 230.9  | 278.8  | 304.5  | 454.9  |
| 85°   | 114.6  | 106.0  | 104.4  | 107.8  | 107.8  | 102.6  | 102.6  | 100.9  | 111.2  | 126.5  | 217.2  |
| 87.5° | 30.8   | 15.4   | 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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CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |       |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| 0°    | 1794.0 | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 0°    |
| 2.5°  | 1788.8 | 1787.2  | 1788.8  | 1780.3  | 1780.3  | 1778.5  | 1776.9  | 1773.5  | 1773.5  | 1766.6  | 1771.7  | 2.5°  |
| 5°    | 1823.0 | 1819.6  | 1812.7  | 1802.5  | 1797.4  | 1790.6  | 1790.6  | 1783.7  | 1778.5  | 1771.7  | 1773.5  | 5°    |
| 7.5°  | 1862.4 | 1864.0  | 1852.1  | 1843.5  | 1840.1  | 1833.3  | 1835.0  | 1824.8  | 1826.4  | 1821.3  | 1817.9  | 7.5°  |
| 10°   | 1884.7 | 1884.7  | 1888.1  | 1886.3  | 1889.7  | 1889.7  | 1894.9  | 1888.1  | 1884.7  | 1879.5  | 1879.5  | 10°   |
| 12.5° | 1920.5 | 1927.4  | 1941.0  | 1941.0  | 1951.3  | 1954.7  | 1956.5  | 1959.9  | 1953.1  | 1949.6  | 1937.6  | 12.5° |
| 15°   | 2009.4 | 2026.5  | 2038.5  | 2055.6  | 2076.2  | 2083.0  | 2083.0  | 2076.2  | 2072.7  | 2067.6  | 2045.4  | 15°   |
| 17.5° | 2156.6 | 2194.2  | 2204.5  | 2231.8  | 2235.2  | 2243.7  | 2267.7  | 2254.0  | 2245.5  | 2209.5  | 2202.7  | 17.5° |
| 20°   | 2307.0 | 2354.9  | 2402.8  | 2437.0  | 2454.1  | 2488.3  | 2493.5  | 2486.6  | 2452.4  | 2418.2  | 2402.8  | 20°   |
| 22.5° | 2488.3 | 2560.1  | 2614.8  | 2667.9  | 2693.6  | 2710.7  | 2748.3  | 2739.7  | 2712.3  | 2661.0  | 2640.5  | 22.5° |
| 25°   | 2744.9 | 2833.8  | 2891.9  | 2956.9  | 2991.1  | 3008.2  | 3045.8  | 3045.8  | 3016.8  | 3001.3  | 2999.7  | 25°   |
| 27.5° | 3068.1 | 3177.5  | 3273.3  | 3295.5  | 3384.5  | 3405.0  | 3440.8  | 3440.8  | 3413.5  | 3394.7  | 3485.4  | 27.5° |
| 30°   | 3427.2 | 3541.8  | 3707.7  | 3818.9  | 3926.5  | 4032.6  | 4030.9  | 4037.7  | 4070.3  | 4087.4  | 4126.6  | 30°   |
| 32.5° | 3786.3 | 3928.3  | 4104.5  | 4345.6  | 4576.5  | 4773.1  | 5027.9  | 5190.4  | 5140.8  | 5002.3  | 4947.6  | 32.5° |
| 35°   | 4222.4 | 4379.8  | 4593.6  | 4836.4  | 5258.8  | 5513.6  | 5636.8  | 5723.9  | 5734.2  | 5753.1  | 5792.3  | 35°   |
| 37.5° | 4708.1 | 4971.5  | 5219.5  | 5494.8  | 5729.1  | 6038.7  | 6324.2  | 6553.4  | 6606.4  | 6714.2  | 6652.5  | 37.5° |
| 40°   | 5322.1 | 5616.2  | 5876.2  | 6231.9  | 6546.5  | 6919.4  | 7328.1  | 7642.8  | 7769.3  | 7728.3  | 7420.4  | 40°   |
| 42.5° | 5965.1 | 6329.3  | 6633.8  | 7052.7  | 7461.5  | 7954.0  | 8376.5  | 8816.0  | 8894.6  | 8578.2  | 8118.2  | 42.5° |
| 45°   | 6556.8 | 7008.3  | 7386.2  | 7822.4  | 8321.8  | 8911.7  | 9476.1  | 9927.6  | 9912.2  | 9370.1  | 8754.4  | 45°   |
| 47.5° | 7088.7 | 7642.8  | 8104.6  | 8672.3  | 9209.3  | 9912.2  | 10560.3 | 10893.8 | 10697.1 | 10055.9 | 9301.7  | 47.5° |
| 50°   | 7528.2 | 8219.1  | 8788.6  | 9363.2  | 10045.6 | 10892.1 | 11516.4 | 11704.5 | 11324.8 | 10627.0 | 9833.5  | 50°   |
| 52.5° | 7882.2 | 8749.2  | 9388.9  | 10050.7 | 10912.6 | 11803.6 | 12340.6 | 12270.5 | 11779.7 | 11063.1 | 10273.1 | 52.5° |
| 55°   | 8181.5 | 9154.6  | 9917.3  | 10698.9 | 11767.7 | 12588.6 | 12946.0 | 12757.9 | 12072.1 | 11345.3 | 10574.0 | 55°   |
| 57.5° | 8491.0 | 9547.9  | 10403.0 | 11309.4 | 12499.7 | 13204.2 | 13402.7 | 13016.2 | 12210.7 | 11453.1 | 10704.0 | 57.5° |
| 60°   | 8800.5 | 9876.3  | 10832.2 | 11843.0 | 13053.8 | 13707.0 | 13652.3 | 13074.3 | 12169.6 | 11374.4 | 10616.8 | 60°   |
| 62.5° | 9009.2 | 10071.2 | 11082.0 | 12171.3 | 13469.3 | 13963.6 | 13628.4 | 12867.4 | 11931.9 | 11064.9 | 10356.8 | 62.5° |
| 63°   | 9014.3 | 10078.0 | 11097.3 | 12193.6 | 13515.5 | 13972.1 | 13582.2 | 12793.8 | 11856.7 | 11001.6 | 10279.9 | 63°   |
| 65°   | 8906.6 | 9949.8  | 10960.5 | 12092.6 | 13476.2 | 13775.4 | 13183.7 | 12359.5 | 11427.4 | 10563.7 | 9879.7  | 65°   |
| 67.5° | 8356.0 | 9419.7  | 10312.3 | 11379.5 | 12771.6 | 12857.1 | 12116.6 | 11451.3 | 10613.4 | 9719.0  | 9004.0  | 67.5° |
| 70°   | 7246.0 | 8130.2  | 9005.8  | 9896.8  | 11064.9 | 11049.4 | 10353.4 | 10014.8 | 9281.1  | 8261.9  | 7688.9  | 70°   |
| 72.5° | 5763.3 | 6556.8  | 7172.4  | 7769.3  | 8538.9  | 8383.3  | 7935.2  | 8029.3  | 7553.9  | 6792.8  | 6452.5  | 72.5° |
| 75°   | 4278.9 | 5151.1  | 5452.0  | 5694.9  | 6019.8  | 6021.6  | 6144.7  | 6411.4  | 6404.6  | 5982.2  | 5553.0  | 75°   |
| 77.5° | 2806.4 | 3760.7  | 3861.6  | 4056.6  | 4446.4  | 4976.6  | 5523.8  | 6112.1  | 6259.3  | 5925.8  | 5291.3  | 77.5° |
| 80°   | 1564.8 | 2556.7  | 2440.4  | 2608.0  | 3028.7  | 3748.7  | 4556.0  | 5205.8  | 5588.8  | 5402.5  | 4730.4  | 80°   |
| 82.5° | 800.3  | 1474.2  | 1409.2  | 1641.8  | 1982.1  | 2608.0  | 3141.6  | 3640.9  | 4092.4  | 4066.8  | 3812.0  | 82.5° |
| 85°   | 415.5  | 807.3   | 918.3   | 1039.8  | 1210.8  | 1434.8  | 1636.7  | 1782.0  | 1970.2  | 2301.9  | 2414.8  | 85°   |
| 87.5° | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 1.8     | 0.0     | 123.1   | 88.9    | 244.6   | 348.9   | 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: P153322

NUMBER: VXS-E05-LED-E1-SLR-7060

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 1773.5 | 1775.1 | 1771.7 | 1771.7 | 1773.5 | 1773.5 | 1770.1 |
| 1770.1 | 1770.1 | 1766.6 | 1763.2 | 1759.8 | 1759.8 | 1756.4 |
| 1809.3 | 1809.3 | 1797.4 | 1792.2 | 1783.7 | 1776.9 | 1773.5 |
| 1867.5 | 1857.2 | 1843.5 | 1833.3 | 1819.6 | 1804.2 | 1795.6 |
| 1925.7 | 1910.3 | 1893.2 | 1877.8 | 1860.6 | 1843.5 | 1835.0 |
| 2021.5 | 2000.9 | 1978.7 | 1959.9 | 1936.0 | 1910.3 | 1900.0 |
| 2168.5 | 2136.0 | 2106.9 | 2079.6 | 2036.8 | 2018.0 | 1997.5 |
| 2363.4 | 2315.5 | 2277.9 | 2231.8 | 2178.8 | 2161.7 | 2136.0 |
| 2599.5 | 2558.4 | 2483.2 | 2449.0 | 2396.0 | 2370.3 | 2375.4 |
| 2958.7 | 2905.6 | 2818.3 | 2785.9 | 2780.7 | 2724.4 | 2697.0 |
| 3427.2 | 3430.6 | 3350.3 | 3263.0 | 3215.1 | 3126.2 | 3013.4 |
| 4094.2 | 4048.0 | 3953.9 | 3865.0 | 3752.1 | 3584.6 | 3396.4 |
| 4901.3 | 4798.8 | 4643.1 | 4477.2 | 4277.1 | 4019.0 | 3755.5 |
| 5689.7 | 5510.2 | 5262.2 | 4985.2 | 4696.2 | 4374.6 | 4001.8 |
| 6382.4 | 6103.6 | 5732.5 | 5414.4 | 5005.7 | 4603.8 | 4148.9 |
| 7015.1 | 6669.6 | 6190.9 | 5778.7 | 5296.4 | 4779.9 | 4241.2 |
| 7627.4 | 7189.5 | 6603.0 | 6045.5 | 5499.9 | 4897.9 | 4285.7 |
| 8210.6 | 7646.2 | 6950.2 | 6286.6 | 5648.7 | 4974.9 | 4292.5 |
| 8658.7 | 8043.0 | 7261.5 | 6461.0 | 5751.3 | 5033.1 | 4292.5 |
| 9074.2 | 8378.1 | 7499.2 | 6597.8 | 5847.0 | 5072.3 | 4296.0 |
| 9397.4 | 8614.2 | 7653.1 | 6695.3 | 5922.4 | 5101.5 | 4311.4 |
| 9631.7 | 8768.1 | 7755.6 | 6755.2 | 5977.1 | 5142.5 | 4345.6 |
| 9795.9 | 8869.0 | 7812.1 | 6808.2 | 6043.7 | 5214.3 | 4441.3 |
| 9874.5 | 9055.3 | 7906.1 | 6914.2 | 6158.3 | 5366.5 | 4632.8 |
| 9814.7 | 9344.4 | 8174.6 | 7093.8 | 6317.4 | 5604.2 | 4939.0 |
| 9789.0 | 9397.4 | 8248.2 | 7133.2 | 6353.3 | 5655.5 | 5045.0 |
| 9588.9 | 9450.5 | 8550.9 | 7331.5 | 6524.4 | 5883.0 | 5340.8 |
| 8968.2 | 9241.8 | 8805.7 | 7666.7 | 6892.0 | 6435.4 | 5893.3 |
| 8164.4 | 8932.2 | 8759.5 | 7709.4 | 7126.3 | 6888.6 | 6242.2 |
| 7201.6 | 7996.8 | 7836.1 | 7140.0 | 6868.1 | 6893.7 | 6151.5 |
| 5667.6 | 6264.4 | 6158.3 | 5913.8 | 5968.5 | 6156.7 | 5269.0 |
| 4540.5 | 4460.1 | 4215.5 | 4232.6 | 4549.1 | 4769.6 | 3793.2 |
| 3709.3 | 3003.1 | 2685.0 | 2693.6 | 3245.9 | 3475.0 | 2416.5 |
| 3529.8 | 2840.6 | 2313.9 | 2021.5 | 2361.8 | 2274.5 | 1262.1 |
| 2514.0 | 2519.1 | 2089.8 | 1698.2 | 1645.2 | 1399.0 | 786.6  |
| 595.1  | 477.1  | 340.3  | 253.1  | 266.7  | 176.2  | 88.9   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)