

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: P153324

Luminaire Tested: **VXS-F05-LED-E1-SLR-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153324  
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-F05-LED-E1-SLR-7030  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (35) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10489.8 lumens  
Efficiency: N/A  
Efficacy: 78.7 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): 133.3  
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



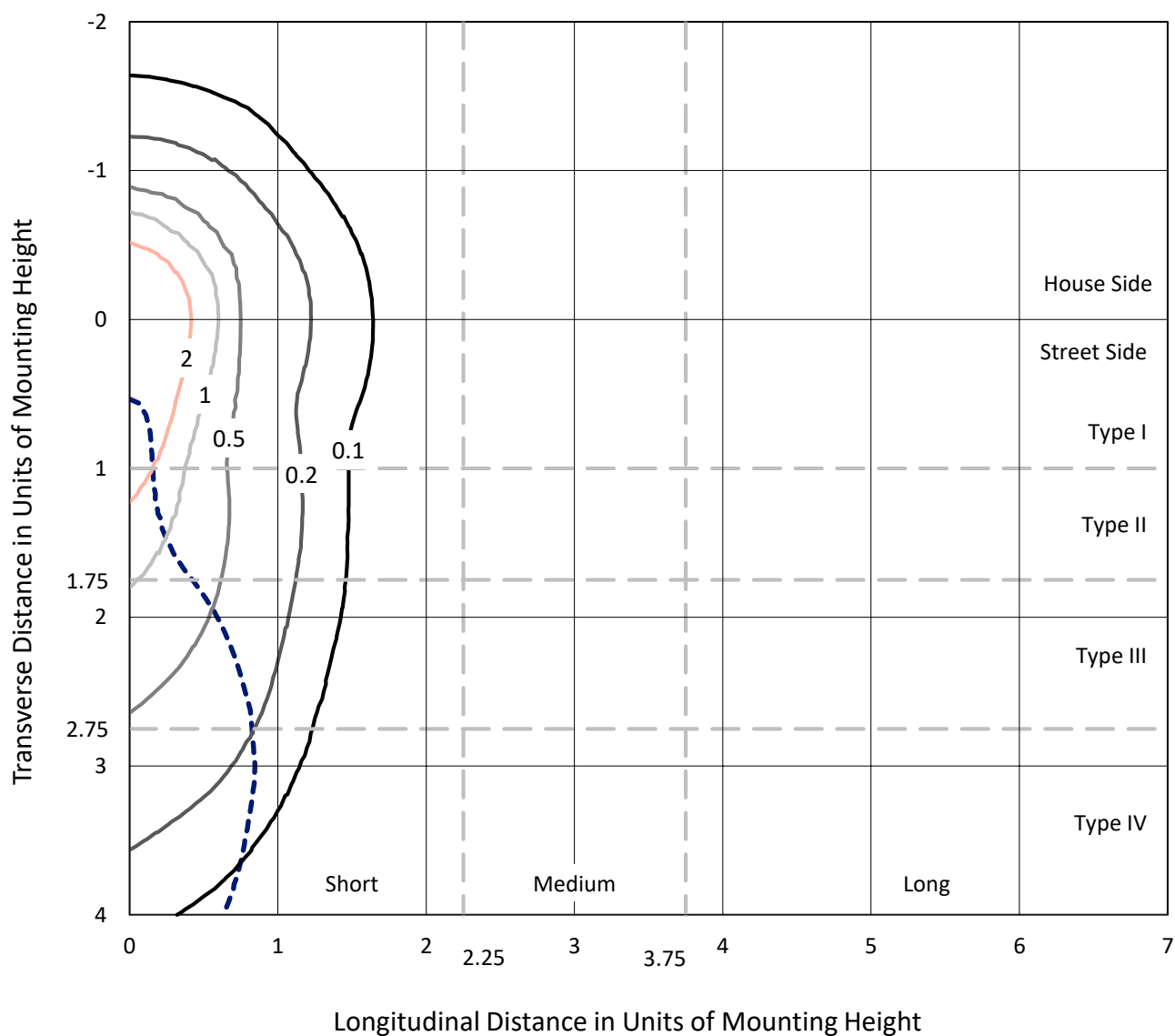
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

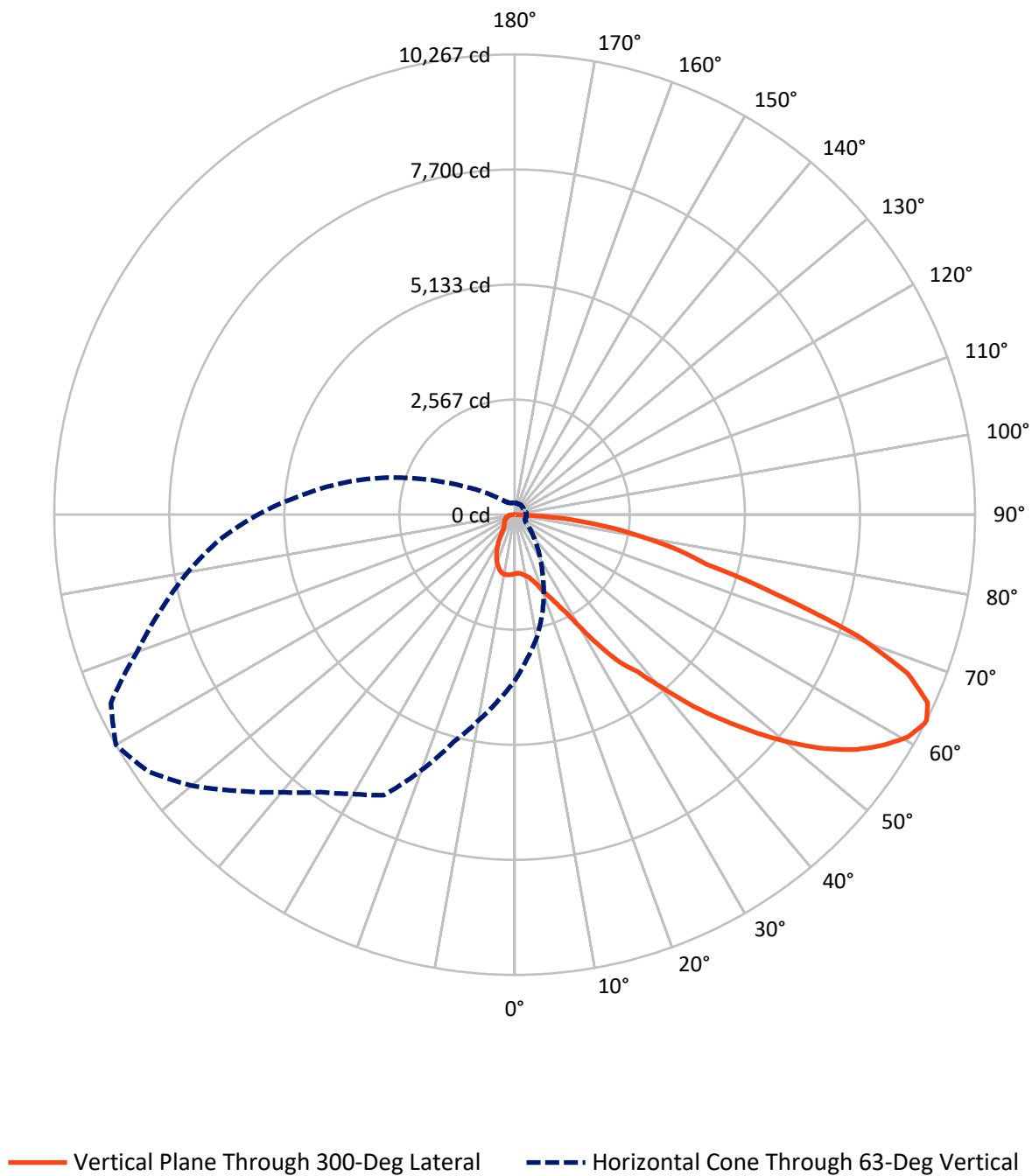


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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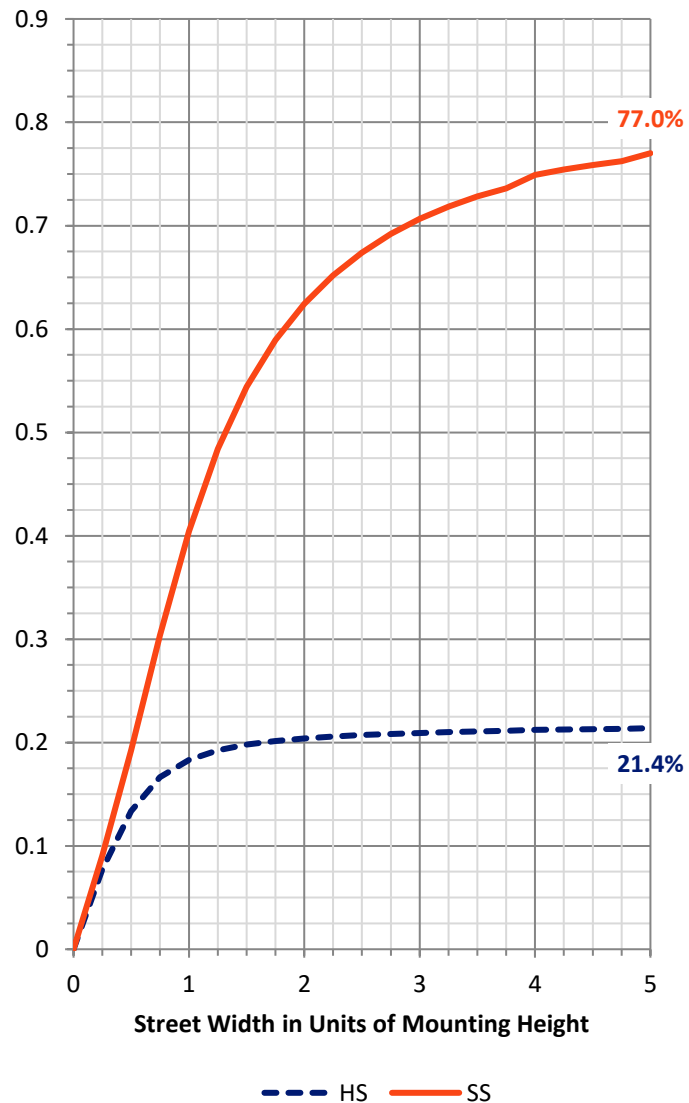
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2274.7   | 0.0    | 2274.7  |
|                    | % Fixture | 21.7     | 0.0    | 21.7    |
| <b>Street Side</b> | Lumens    | 8215.1   | 0.0    | 8215.1  |
|                    | % Fixture | 78.3     | 0.0    | 78.3    |
| <b>Total</b>       | Lumens    | 10489.8  | 0.0    | 10489.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 128.3   | 1.2       |
| 10°-20°   | 399.7   | 3.8       |
| 20°-30°   | 710.0   | 6.8       |
| 30°-40°   | 1118.1  | 10.7      |
| 40°-50°   | 1645.5  | 15.7      |
| 50°-60°   | 2185.6  | 20.8      |
| 60°-70°   | 2407.5  | 23.0      |
| 70°-80°   | 1510.4  | 14.4      |
| 80°-90°   | 384.7   | 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°    | 10489.8 | 100.0     |
| 0°-180°   | 10489.8 | 100.0     |

**Coefficient of Utilization**



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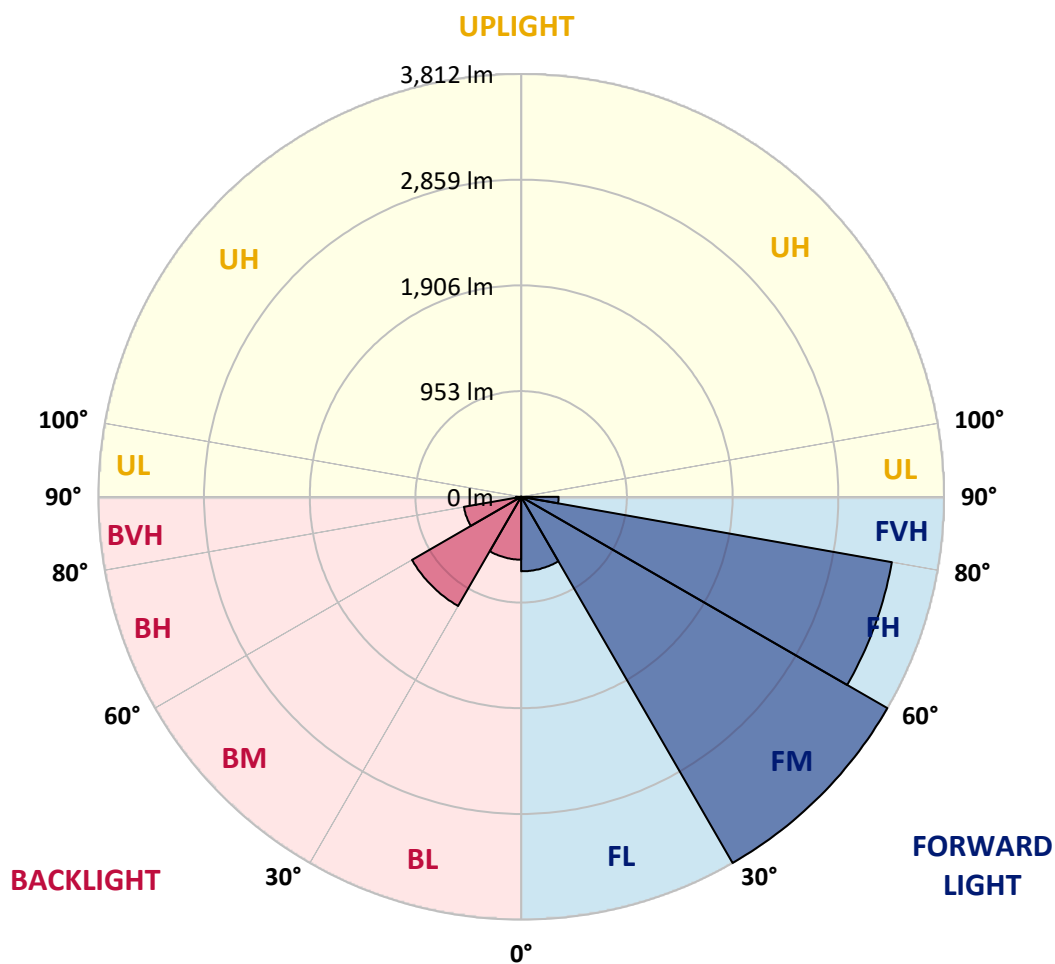
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 671.7  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 3812.2 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 3393.6 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 337.6  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 566.3  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1136.9 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 524.3  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 47.1   | 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°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 2.5°  | 1300.6 | 1304.5 | 1303.1 | 1303.1 | 1305.7 | 1304.5 | 1304.5 | 1305.7 | 1305.7 | 1309.4 | 1314.5 |
| 5°    | 1290.6 | 1289.3 | 1286.8 | 1289.3 | 1289.3 | 1289.3 | 1284.4 | 1288.1 | 1289.3 | 1291.8 | 1291.8 |
| 7.5°  | 1303.1 | 1299.4 | 1294.4 | 1295.6 | 1295.6 | 1293.1 | 1289.3 | 1290.6 | 1289.3 | 1289.3 | 1288.1 |
| 10°   | 1319.5 | 1310.7 | 1304.5 | 1304.5 | 1304.5 | 1301.9 | 1295.6 | 1299.4 | 1299.4 | 1298.1 | 1299.4 |
| 12.5° | 1348.4 | 1338.3 | 1330.8 | 1328.3 | 1328.3 | 1324.6 | 1319.5 | 1324.6 | 1322.0 | 1322.0 | 1319.5 |
| 15°   | 1396.2 | 1384.9 | 1376.1 | 1368.5 | 1369.7 | 1369.7 | 1363.5 | 1359.7 | 1354.7 | 1348.4 | 1335.9 |
| 17.5° | 1467.8 | 1455.2 | 1443.9 | 1437.6 | 1438.9 | 1430.1 | 1412.4 | 1394.9 | 1371.0 | 1347.2 | 1320.7 |
| 20°   | 1569.5 | 1565.8 | 1550.7 | 1544.5 | 1529.3 | 1508.0 | 1459.0 | 1417.5 | 1371.0 | 1325.8 | 1280.5 |
| 22.5° | 1745.5 | 1727.9 | 1712.8 | 1688.9 | 1638.7 | 1579.6 | 1497.9 | 1425.1 | 1352.1 | 1288.1 | 1227.8 |
| 25°   | 1981.8 | 1950.4 | 1876.2 | 1803.3 | 1700.2 | 1594.7 | 1484.1 | 1389.8 | 1299.4 | 1215.2 | 1141.0 |
| 27.5° | 2214.2 | 2118.8 | 1986.7 | 1854.8 | 1704.0 | 1565.8 | 1427.6 | 1315.8 | 1210.2 | 1118.4 | 1036.8 |
| 30°   | 2495.8 | 2334.8 | 2132.5 | 1923.9 | 1710.3 | 1524.4 | 1358.4 | 1227.8 | 1105.9 | 1009.1 | 923.6  |
| 32.5° | 2759.6 | 2527.2 | 2262.0 | 1988.0 | 1724.1 | 1485.4 | 1279.3 | 1131.0 | 1005.3 | 883.4  | 799.3  |
| 35°   | 2940.6 | 2639.0 | 2317.3 | 1994.3 | 1690.2 | 1411.2 | 1180.0 | 1005.3 | 879.7  | 766.5  | 667.3  |
| 37.5° | 3048.6 | 2688.0 | 2319.8 | 1949.1 | 1611.0 | 1310.7 | 1054.3 | 880.9  | 765.3  | 657.2  | 579.3  |
| 40°   | 3116.5 | 2699.3 | 2287.2 | 1883.7 | 1510.5 | 1183.7 | 928.7  | 772.8  | 667.3  | 580.6  | 520.2  |
| 42.5° | 3149.2 | 2681.7 | 2234.3 | 1800.8 | 1408.7 | 1070.7 | 840.7  | 693.7  | 602.0  | 540.3  | 495.1  |
| 45°   | 3154.2 | 2650.3 | 2177.8 | 1725.4 | 1318.2 | 989.0  | 780.4  | 661.0  | 585.6  | 534.1  | 488.8  |
| 47.5° | 3154.2 | 2622.6 | 2132.5 | 1670.1 | 1259.2 | 953.8  | 775.3  | 674.8  | 600.7  | 542.9  | 488.8  |
| 50°   | 3156.7 | 2613.9 | 2113.7 | 1642.5 | 1239.1 | 972.6  | 818.1  | 717.5  | 633.4  | 557.9  | 487.6  |
| 52.5° | 3168.0 | 2625.2 | 2128.8 | 1663.8 | 1275.5 | 1048.1 | 898.5  | 781.7  | 676.1  | 575.5  | 487.6  |
| 55°   | 3193.2 | 2662.9 | 2192.8 | 1737.9 | 1373.6 | 1162.4 | 995.2  | 850.8  | 710.1  | 583.1  | 480.0  |
| 57.5° | 3263.5 | 2758.3 | 2309.7 | 1881.2 | 1540.6 | 1294.4 | 1083.2 | 899.8  | 722.6  | 576.8  | 465.0  |
| 60°   | 3404.2 | 2948.1 | 2509.5 | 2082.3 | 1717.8 | 1407.5 | 1134.7 | 907.3  | 711.3  | 556.7  | 441.0  |
| 62.5° | 3629.2 | 3165.5 | 2752.1 | 2300.9 | 1874.9 | 1470.3 | 1141.0 | 888.5  | 681.1  | 520.2  | 405.9  |
| 63°   | 3707.2 | 3219.6 | 2803.6 | 2342.4 | 1895.0 | 1475.3 | 1136.1 | 880.9  | 673.6  | 510.2  | 400.8  |
| 65°   | 3924.6 | 3447.0 | 2982.1 | 2488.2 | 1951.6 | 1476.6 | 1108.4 | 843.2  | 638.3  | 471.3  | 365.7  |
| 67.5° | 4330.5 | 3746.1 | 3206.9 | 2602.5 | 1971.7 | 1436.4 | 1038.0 | 772.8  | 564.2  | 410.9  | 321.7  |
| 70°   | 4586.8 | 3913.3 | 3293.7 | 2605.1 | 1912.6 | 1322.0 | 916.1  | 658.4  | 469.9  | 340.5  | 276.5  |
| 72.5° | 4520.2 | 3748.6 | 3065.0 | 2370.1 | 1657.5 | 1104.6 | 736.4  | 517.7  | 366.9  | 272.7  | 229.9  |
| 75°   | 3871.7 | 3120.3 | 2500.7 | 1836.0 | 1252.8 | 811.8  | 539.1  | 369.4  | 271.4  | 213.7  | 192.2  |
| 77.5° | 2787.3 | 2245.6 | 1793.3 | 1308.2 | 844.5  | 525.3  | 358.1  | 263.9  | 206.1  | 176.0  | 158.3  |
| 80°   | 1775.6 | 1317.0 | 1097.1 | 786.6  | 493.9  | 325.5  | 246.3  | 199.8  | 169.6  | 147.0  | 135.8  |
| 82.5° | 927.5  | 649.7  | 527.8  | 402.2  | 274.0  | 214.9  | 180.9  | 163.3  | 139.5  | 121.9  | 115.6  |
| 85°   | 578.0  | 383.3  | 284.0  | 198.5  | 137.0  | 123.1  | 113.1  | 110.6  | 99.3   | 88.0   | 84.1   |
| 87.5° | 65.4   | 59.1   | 61.6   | 39.0   | 28.9   | 31.4   | 30.2   | 40.2   | 39.0   | 28.9   | 30.2   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 2.5°  | 1309.4 | 1311.9 | 1311.9 | 1315.8 | 1315.8 | 1318.2 | 1320.7 | 1320.7 | 1323.2 | 1324.6 | 1327.0 |
| 5°    | 1294.4 | 1294.4 | 1294.4 | 1299.4 | 1300.6 | 1308.2 | 1310.7 | 1313.2 | 1315.8 | 1324.6 | 1329.5 |
| 7.5°  | 1290.6 | 1285.6 | 1288.1 | 1288.1 | 1291.8 | 1298.1 | 1304.5 | 1308.2 | 1311.9 | 1323.2 | 1330.8 |
| 10°   | 1298.1 | 1294.4 | 1290.6 | 1290.6 | 1291.8 | 1294.4 | 1299.4 | 1303.1 | 1305.7 | 1317.0 | 1323.2 |
| 12.5° | 1318.2 | 1309.4 | 1301.9 | 1295.6 | 1290.6 | 1289.3 | 1286.8 | 1288.1 | 1290.6 | 1296.9 | 1305.7 |
| 15°   | 1322.0 | 1305.7 | 1289.3 | 1273.0 | 1260.4 | 1252.8 | 1246.6 | 1244.0 | 1244.0 | 1247.9 | 1257.9 |
| 17.5° | 1296.9 | 1269.2 | 1245.4 | 1223.9 | 1210.2 | 1196.4 | 1190.1 | 1185.1 | 1182.5 | 1187.6 | 1188.8 |
| 20°   | 1242.8 | 1210.2 | 1177.5 | 1152.3 | 1127.3 | 1123.4 | 1113.4 | 1116.0 | 1118.4 | 1126.0 | 1129.7 |
| 22.5° | 1168.7 | 1129.7 | 1089.5 | 1063.1 | 1043.0 | 1025.4 | 1014.1 | 1019.2 | 1022.9 | 1030.5 | 1034.2 |
| 25°   | 1078.2 | 1021.7 | 979.0  | 952.5  | 931.2  | 916.1  | 903.5  | 908.6  | 903.5  | 912.3  | 926.1  |
| 27.5° | 971.4  | 904.8  | 859.6  | 829.4  | 814.3  | 801.8  | 789.2  | 789.2  | 801.8  | 801.8  | 813.1  |
| 30°   | 842.0  | 793.0  | 733.9  | 702.5  | 683.6  | 676.1  | 674.8  | 672.3  | 681.1  | 686.1  | 698.7  |
| 32.5° | 720.1  | 659.8  | 603.2  | 573.1  | 556.7  | 547.9  | 549.1  | 550.5  | 554.2  | 561.8  | 581.9  |
| 35°   | 596.9  | 544.1  | 503.9  | 469.9  | 453.7  | 437.3  | 437.3  | 434.8  | 438.5  | 447.4  | 471.3  |
| 37.5° | 517.7  | 471.3  | 439.8  | 413.5  | 397.1  | 387.0  | 378.2  | 374.5  | 374.5  | 378.2  | 387.0  |
| 40°   | 473.8  | 439.8  | 410.9  | 388.3  | 373.3  | 364.5  | 359.4  | 355.6  | 353.2  | 353.2  | 354.4  |
| 42.5° | 453.7  | 418.4  | 389.5  | 369.4  | 358.1  | 353.2  | 351.8  | 350.6  | 346.8  | 345.6  | 344.4  |
| 45°   | 443.6  | 403.4  | 370.7  | 354.4  | 345.6  | 343.1  | 344.4  | 344.4  | 343.1  | 340.5  | 335.5  |
| 47.5° | 436.1  | 389.5  | 356.9  | 341.8  | 338.0  | 338.0  | 338.0  | 338.0  | 336.8  | 335.5  | 331.7  |
| 50°   | 423.5  | 368.2  | 333.1  | 321.7  | 319.2  | 319.2  | 320.4  | 320.4  | 323.0  | 320.4  | 317.9  |
| 52.5° | 409.6  | 348.1  | 313.0  | 302.9  | 301.6  | 300.3  | 300.3  | 300.3  | 301.6  | 301.6  | 300.3  |
| 55°   | 394.6  | 333.1  | 302.9  | 295.3  | 296.6  | 295.3  | 294.1  | 292.8  | 292.8  | 291.5  | 289.0  |
| 57.5° | 379.5  | 320.4  | 295.3  | 290.3  | 291.5  | 291.5  | 289.0  | 286.5  | 285.3  | 281.5  | 279.0  |
| 60°   | 356.9  | 302.9  | 280.2  | 277.7  | 281.5  | 281.5  | 281.5  | 280.2  | 280.2  | 279.0  | 272.7  |
| 62.5° | 326.7  | 277.7  | 260.1  | 261.3  | 262.6  | 265.2  | 265.2  | 265.2  | 265.2  | 262.6  | 256.4  |
| 63°   | 320.4  | 272.7  | 256.4  | 256.4  | 260.1  | 260.1  | 261.3  | 260.1  | 261.3  | 258.9  | 251.3  |
| 65°   | 295.3  | 256.4  | 243.8  | 245.1  | 247.6  | 247.6  | 247.6  | 246.3  | 246.3  | 242.5  | 238.8  |
| 67.5° | 266.4  | 236.3  | 228.7  | 229.9  | 231.2  | 233.8  | 232.4  | 232.4  | 233.8  | 231.2  | 227.5  |
| 70°   | 233.8  | 214.9  | 209.8  | 211.1  | 212.3  | 212.3  | 211.1  | 211.1  | 212.3  | 209.8  | 206.1  |
| 72.5° | 208.6  | 201.0  | 197.3  | 197.3  | 194.8  | 194.8  | 192.2  | 191.0  | 189.7  | 189.7  | 186.0  |
| 75°   | 176.0  | 174.7  | 176.0  | 178.4  | 176.0  | 173.4  | 172.1  | 168.4  | 165.9  | 165.9  | 164.7  |
| 77.5° | 150.8  | 150.8  | 153.3  | 157.1  | 158.3  | 158.3  | 154.6  | 148.3  | 147.0  | 147.0  | 147.0  |
| 80°   | 130.7  | 128.2  | 128.2  | 131.9  | 135.8  | 134.5  | 128.2  | 121.9  | 121.9  | 128.2  | 129.4  |
| 82.5° | 114.4  | 114.4  | 110.6  | 111.8  | 110.6  | 109.3  | 103.0  | 99.3   | 98.0   | 103.0  | 108.1  |
| 85°   | 90.5   | 91.7   | 90.5   | 89.2   | 88.0   | 84.1   | 79.2   | 75.4   | 74.1   | 79.2   | 86.7   |
| 87.5° | 36.5   | 35.2   | 33.9   | 35.2   | 33.9   | 36.5   | 35.2   | 32.6   | 31.4   | 35.2   | 42.7   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 2.5°  | 1328.3 | 1330.8 | 1333.3 | 1333.3 | 1335.9 | 1334.6 | 1335.9 | 1337.1 | 1337.1 | 1338.3 | 1338.3 |
| 5°    | 1335.9 | 1339.6 | 1344.7 | 1349.6 | 1350.9 | 1354.7 | 1358.4 | 1356.0 | 1359.7 | 1364.8 | 1364.8 |
| 7.5°  | 1338.3 | 1347.2 | 1350.9 | 1358.4 | 1359.7 | 1364.8 | 1373.6 | 1367.3 | 1374.8 | 1378.5 | 1379.8 |
| 10°   | 1334.6 | 1343.3 | 1349.6 | 1358.4 | 1362.2 | 1371.0 | 1379.8 | 1377.3 | 1386.1 | 1392.3 | 1393.7 |
| 12.5° | 1311.9 | 1320.7 | 1334.6 | 1347.2 | 1357.2 | 1371.0 | 1387.4 | 1382.3 | 1394.9 | 1402.4 | 1406.2 |
| 15°   | 1268.0 | 1276.8 | 1291.8 | 1311.9 | 1330.8 | 1352.1 | 1373.6 | 1377.3 | 1389.8 | 1398.7 | 1402.4 |
| 17.5° | 1198.9 | 1210.2 | 1226.5 | 1247.9 | 1271.7 | 1308.2 | 1335.9 | 1349.6 | 1367.3 | 1372.2 | 1378.5 |
| 20°   | 1134.7 | 1146.1 | 1156.2 | 1168.7 | 1186.3 | 1221.5 | 1257.9 | 1285.6 | 1308.2 | 1327.0 | 1332.0 |
| 22.5° | 1049.3 | 1059.4 | 1071.9 | 1082.0 | 1094.5 | 1119.7 | 1149.8 | 1181.2 | 1216.5 | 1227.8 | 1240.3 |
| 25°   | 946.2  | 952.5  | 970.2  | 976.4  | 985.2  | 1006.6 | 1030.5 | 1053.1 | 1087.0 | 1110.9 | 1117.2 |
| 27.5° | 835.6  | 842.0  | 858.3  | 862.1  | 873.4  | 893.5  | 911.1  | 919.9  | 951.3  | 976.4  | 996.5  |
| 30°   | 707.5  | 723.8  | 743.9  | 746.4  | 759.1  | 771.6  | 787.9  | 796.7  | 825.6  | 852.0  | 877.1  |
| 32.5° | 596.9  | 613.3  | 629.5  | 639.7  | 645.9  | 656.0  | 672.3  | 681.1  | 708.7  | 732.6  | 757.7  |
| 35°   | 483.8  | 503.9  | 521.6  | 535.3  | 540.3  | 553.0  | 565.5  | 574.3  | 603.2  | 624.6  | 642.2  |
| 37.5° | 398.3  | 413.5  | 432.3  | 446.1  | 459.9  | 468.7  | 483.8  | 496.4  | 514.0  | 525.3  | 544.1  |
| 40°   | 356.9  | 364.5  | 374.5  | 385.8  | 397.1  | 407.2  | 418.4  | 428.5  | 439.8  | 454.9  | 467.5  |
| 42.5° | 343.1  | 344.4  | 344.4  | 348.1  | 354.4  | 359.4  | 369.4  | 377.0  | 384.6  | 395.9  | 402.2  |
| 45°   | 333.1  | 331.7  | 329.2  | 326.7  | 328.0  | 330.5  | 336.8  | 341.8  | 350.6  | 355.6  | 356.9  |
| 47.5° | 328.0  | 323.0  | 317.9  | 314.2  | 313.0  | 314.2  | 319.2  | 324.2  | 329.2  | 333.1  | 334.3  |
| 50°   | 311.6  | 307.9  | 300.3  | 295.3  | 292.8  | 295.3  | 301.6  | 304.1  | 309.1  | 313.0  | 314.2  |
| 52.5° | 295.3  | 290.3  | 285.3  | 280.2  | 280.2  | 281.5  | 286.5  | 291.5  | 296.6  | 297.8  | 300.3  |
| 55°   | 285.3  | 277.7  | 272.7  | 268.9  | 266.4  | 270.2  | 274.0  | 280.2  | 286.5  | 287.8  | 290.3  |
| 57.5° | 275.2  | 267.7  | 262.6  | 258.9  | 256.4  | 260.1  | 263.9  | 272.7  | 280.2  | 280.2  | 280.2  |
| 60°   | 268.9  | 262.6  | 255.1  | 251.3  | 247.6  | 251.3  | 256.4  | 265.2  | 272.7  | 271.4  | 270.2  |
| 62.5° | 251.3  | 245.1  | 241.2  | 241.2  | 237.5  | 243.8  | 248.8  | 258.9  | 260.1  | 257.6  | 255.1  |
| 63°   | 246.3  | 241.2  | 238.8  | 238.8  | 236.3  | 242.5  | 247.6  | 256.4  | 256.4  | 253.9  | 251.3  |
| 65°   | 233.8  | 229.9  | 227.5  | 229.9  | 229.9  | 236.3  | 237.5  | 243.8  | 242.5  | 238.8  | 237.5  |
| 67.5° | 223.7  | 221.1  | 218.7  | 218.7  | 218.7  | 219.9  | 221.1  | 223.7  | 222.4  | 221.1  | 222.4  |
| 70°   | 207.4  | 206.1  | 203.6  | 203.6  | 202.3  | 202.3  | 202.3  | 203.6  | 203.6  | 204.9  | 206.1  |
| 72.5° | 187.3  | 184.8  | 184.8  | 186.0  | 183.5  | 184.8  | 186.0  | 184.8  | 187.3  | 187.3  | 188.5  |
| 75°   | 164.7  | 163.3  | 165.9  | 168.4  | 167.2  | 167.2  | 168.4  | 168.4  | 169.6  | 169.6  | 170.9  |
| 77.5° | 147.0  | 148.3  | 149.5  | 152.0  | 153.3  | 153.3  | 153.3  | 152.0  | 153.3  | 153.3  | 154.6  |
| 80°   | 130.7  | 133.2  | 135.8  | 138.2  | 139.5  | 139.5  | 139.5  | 138.2  | 138.2  | 138.2  | 138.2  |
| 82.5° | 118.1  | 121.9  | 124.5  | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  | 125.7  | 123.1  | 120.6  |
| 85°   | 99.3   | 106.8  | 106.8  | 108.1  | 104.4  | 101.8  | 99.3   | 100.5  | 101.8  | 96.8   | 95.5   |
| 87.5° | 50.3   | 50.3   | 52.7   | 55.3   | 56.6   | 56.6   | 64.0   | 60.3   | 59.1   | 57.8   | 55.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 2.5°  | 1339.6 | 1338.3 | 1340.8 | 1338.3 | 1339.6 | 1340.8 | 1338.3 | 1342.1 | 1344.7 | 1340.8 | 1337.1 |
| 5°    | 1367.3 | 1367.3 | 1373.6 | 1376.1 | 1377.3 | 1384.9 | 1381.0 | 1383.6 | 1386.1 | 1384.9 | 1386.1 |
| 7.5°  | 1384.9 | 1389.8 | 1396.2 | 1402.4 | 1403.7 | 1409.9 | 1408.7 | 1412.4 | 1415.0 | 1421.2 | 1421.2 |
| 10°   | 1399.9 | 1406.2 | 1415.0 | 1421.2 | 1427.6 | 1432.5 | 1435.1 | 1442.6 | 1443.9 | 1448.9 | 1448.9 |
| 12.5° | 1413.8 | 1421.2 | 1430.1 | 1440.1 | 1446.4 | 1456.5 | 1457.7 | 1469.0 | 1472.8 | 1474.1 | 1470.3 |
| 15°   | 1411.2 | 1420.0 | 1430.1 | 1441.3 | 1452.6 | 1465.3 | 1472.8 | 1484.1 | 1490.4 | 1493.0 | 1486.6 |
| 17.5° | 1387.4 | 1394.9 | 1407.5 | 1422.5 | 1436.4 | 1452.6 | 1466.5 | 1482.9 | 1493.0 | 1495.4 | 1494.2 |
| 20°   | 1340.8 | 1345.9 | 1362.2 | 1382.3 | 1398.7 | 1423.8 | 1443.9 | 1469.0 | 1485.4 | 1497.9 | 1501.7 |
| 22.5° | 1249.1 | 1261.7 | 1278.0 | 1300.6 | 1324.6 | 1356.0 | 1384.9 | 1421.2 | 1456.5 | 1486.6 | 1516.8 |
| 25°   | 1138.5 | 1161.1 | 1186.3 | 1216.5 | 1245.4 | 1278.0 | 1310.7 | 1352.1 | 1403.7 | 1466.5 | 1538.1 |
| 27.5° | 1026.7 | 1065.6 | 1097.1 | 1136.1 | 1169.9 | 1202.6 | 1239.1 | 1284.4 | 1340.8 | 1416.3 | 1508.0 |
| 30°   | 913.6  | 957.6  | 991.5  | 1036.8 | 1082.0 | 1126.0 | 1162.4 | 1210.2 | 1265.5 | 1342.1 | 1442.6 |
| 32.5° | 793.0  | 836.9  | 877.1  | 918.7  | 968.9  | 1021.7 | 1065.6 | 1124.7 | 1183.7 | 1262.9 | 1364.8 |
| 35°   | 668.5  | 707.5  | 741.5  | 785.4  | 840.7  | 897.2  | 955.0  | 1022.9 | 1087.0 | 1169.9 | 1278.0 |
| 37.5° | 560.5  | 588.1  | 620.8  | 659.8  | 702.5  | 762.8  | 828.2  | 908.6  | 981.5  | 1071.9 | 1182.5 |
| 40°   | 471.3  | 486.3  | 505.2  | 537.8  | 576.8  | 635.9  | 700.0  | 785.4  | 873.4  | 972.6  | 1079.5 |
| 42.5° | 402.2  | 409.6  | 414.7  | 436.1  | 467.5  | 525.3  | 586.8  | 669.8  | 766.5  | 874.6  | 982.7  |
| 45°   | 356.9  | 360.6  | 361.9  | 373.3  | 395.9  | 446.1  | 510.2  | 580.6  | 673.6  | 779.2  | 892.2  |
| 47.5° | 335.5  | 339.3  | 341.8  | 344.4  | 358.1  | 397.1  | 454.9  | 521.6  | 606.9  | 703.7  | 819.4  |
| 50°   | 317.9  | 321.7  | 325.5  | 324.2  | 330.5  | 355.6  | 404.7  | 466.2  | 546.6  | 635.9  | 750.3  |
| 52.5° | 300.3  | 302.9  | 302.9  | 302.9  | 306.6  | 323.0  | 358.1  | 414.7  | 488.8  | 573.1  | 686.1  |
| 55°   | 290.3  | 292.8  | 294.1  | 295.3  | 296.6  | 305.4  | 331.7  | 377.0  | 441.0  | 519.0  | 620.8  |
| 57.5° | 280.2  | 281.5  | 284.0  | 285.3  | 287.8  | 292.8  | 309.1  | 341.8  | 395.9  | 461.2  | 546.6  |
| 60°   | 271.4  | 274.0  | 279.0  | 280.2  | 282.8  | 284.0  | 291.5  | 311.6  | 346.8  | 397.1  | 466.2  |
| 62.5° | 257.6  | 261.3  | 266.4  | 267.7  | 270.2  | 271.4  | 272.7  | 284.0  | 300.3  | 330.5  | 382.1  |
| 63°   | 253.9  | 257.6  | 263.9  | 265.2  | 266.4  | 266.4  | 267.7  | 275.2  | 290.3  | 316.7  | 354.4  |
| 65°   | 240.0  | 245.1  | 248.8  | 250.1  | 251.3  | 251.3  | 250.1  | 252.5  | 253.9  | 265.2  | 287.8  |
| 67.5° | 225.0  | 228.7  | 231.2  | 232.4  | 231.2  | 232.4  | 231.2  | 228.7  | 226.2  | 228.7  | 238.8  |
| 70°   | 209.8  | 212.3  | 212.3  | 213.7  | 214.9  | 216.2  | 213.7  | 211.1  | 208.6  | 207.4  | 213.7  |
| 72.5° | 192.2  | 194.8  | 194.8  | 196.1  | 196.1  | 198.5  | 198.5  | 197.3  | 197.3  | 198.5  | 199.8  |
| 75°   | 174.7  | 177.2  | 176.0  | 178.4  | 178.4  | 182.2  | 182.2  | 183.5  | 186.0  | 184.8  | 183.5  |
| 77.5° | 158.3  | 159.6  | 159.6  | 160.8  | 162.1  | 168.4  | 172.1  | 173.4  | 173.4  | 170.9  | 168.4  |
| 80°   | 140.7  | 140.7  | 138.2  | 137.0  | 138.2  | 144.6  | 152.0  | 153.3  | 157.1  | 155.9  | 157.1  |
| 82.5° | 118.1  | 113.1  | 109.3  | 109.3  | 111.8  | 115.6  | 118.1  | 120.6  | 123.1  | 123.1  | 125.7  |
| 85°   | 90.5   | 85.5   | 81.7   | 82.9   | 86.7   | 88.0   | 86.7   | 86.7   | 91.7   | 95.5   | 91.7   |
| 87.5° | 54.0   | 49.0   | 46.5   | 42.7   | 43.9   | 47.8   | 46.5   | 42.7   | 43.9   | 35.2   | 32.6   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 2.5°  | 1339.6 | 1338.3 | 1335.9 | 1332.0 | 1330.8 | 1328.3 | 1329.5 | 1325.8 | 1323.2 | 1320.7 | 1317.0 |
| 5°    | 1386.1 | 1386.1 | 1378.5 | 1378.5 | 1374.8 | 1373.6 | 1364.8 | 1360.9 | 1353.4 | 1356.0 | 1347.2 |
| 7.5°  | 1418.8 | 1422.5 | 1413.8 | 1412.4 | 1407.5 | 1406.2 | 1394.9 | 1391.1 | 1384.9 | 1382.3 | 1374.8 |
| 10°   | 1442.6 | 1442.6 | 1431.3 | 1422.5 | 1416.3 | 1409.9 | 1398.7 | 1393.7 | 1388.6 | 1389.8 | 1384.9 |
| 12.5° | 1461.5 | 1452.6 | 1436.4 | 1423.8 | 1415.0 | 1408.7 | 1399.9 | 1396.2 | 1394.9 | 1403.7 | 1405.0 |
| 15°   | 1476.6 | 1464.0 | 1443.9 | 1435.1 | 1427.6 | 1426.3 | 1426.3 | 1430.1 | 1438.9 | 1455.2 | 1467.8 |
| 17.5° | 1485.4 | 1477.8 | 1467.8 | 1465.3 | 1477.8 | 1485.4 | 1495.4 | 1506.7 | 1519.3 | 1541.9 | 1555.8 |
| 20°   | 1501.7 | 1506.7 | 1514.3 | 1524.4 | 1544.5 | 1563.3 | 1575.9 | 1592.2 | 1607.3 | 1634.9 | 1657.5 |
| 22.5° | 1544.5 | 1573.4 | 1597.2 | 1617.3 | 1647.5 | 1673.9 | 1690.2 | 1712.8 | 1724.1 | 1743.0 | 1778.1 |
| 25°   | 1599.7 | 1658.8 | 1709.0 | 1751.8 | 1798.2 | 1825.9 | 1848.5 | 1877.4 | 1895.0 | 1926.4 | 1957.8 |
| 27.5° | 1583.4 | 1667.6 | 1743.0 | 1822.2 | 1886.2 | 1957.8 | 2008.2 | 2055.9 | 2086.0 | 2132.5 | 2174.0 |
| 30°   | 1533.2 | 1633.7 | 1735.4 | 1839.8 | 1941.6 | 2044.6 | 2140.1 | 2226.8 | 2293.4 | 2360.0 | 2427.9 |
| 32.5° | 1465.3 | 1580.8 | 1705.3 | 1833.5 | 1966.6 | 2109.9 | 2241.9 | 2372.5 | 2483.1 | 2579.9 | 2674.2 |
| 35°   | 1387.4 | 1518.0 | 1647.5 | 1805.8 | 1970.5 | 2152.6 | 2336.2 | 2517.1 | 2685.5 | 2856.4 | 2972.0 |
| 37.5° | 1294.4 | 1427.6 | 1572.1 | 1754.3 | 1947.8 | 2172.7 | 2406.5 | 2642.8 | 2881.6 | 3111.5 | 3311.3 |
| 40°   | 1195.1 | 1330.8 | 1482.9 | 1680.1 | 1898.8 | 2160.2 | 2451.7 | 2769.6 | 3097.6 | 3430.7 | 3695.9 |
| 42.5° | 1107.2 | 1246.6 | 1412.4 | 1612.3 | 1849.8 | 2143.8 | 2488.2 | 2879.0 | 3279.9 | 3692.0 | 4081.7 |
| 45°   | 1021.7 | 1174.9 | 1349.6 | 1564.6 | 1828.4 | 2156.4 | 2542.2 | 2980.8 | 3443.2 | 3943.4 | 4418.4 |
| 47.5° | 945.0  | 1100.8 | 1270.5 | 1505.5 | 1797.0 | 2162.7 | 2595.0 | 3082.6 | 3597.8 | 4139.4 | 4703.6 |
| 50°   | 875.9  | 1026.7 | 1193.8 | 1430.1 | 1748.0 | 2159.0 | 2642.8 | 3174.3 | 3731.0 | 4294.0 | 4923.6 |
| 52.5° | 808.0  | 961.3  | 1132.2 | 1357.2 | 1687.7 | 2137.6 | 2665.4 | 3249.7 | 3854.2 | 4449.8 | 5100.7 |
| 55°   | 741.5  | 892.2  | 1064.4 | 1288.1 | 1608.5 | 2082.3 | 2662.9 | 3298.8 | 3952.2 | 4596.9 | 5271.7 |
| 57.5° | 663.5  | 806.7  | 975.1  | 1211.4 | 1524.4 | 1996.8 | 2625.2 | 3321.3 | 4036.4 | 4742.6 | 5476.5 |
| 60°   | 566.7  | 701.2  | 863.3  | 1099.6 | 1413.8 | 1887.5 | 2546.0 | 3308.8 | 4085.4 | 4850.7 | 5651.2 |
| 62.5° | 447.4  | 564.2  | 712.5  | 943.7  | 1275.5 | 1730.5 | 2397.7 | 3194.4 | 4007.5 | 4835.6 | 5732.8 |
| 63°   | 422.3  | 532.8  | 677.3  | 906.0  | 1216.5 | 1687.7 | 2353.7 | 3149.2 | 3969.7 | 4804.1 | 5721.6 |
| 65°   | 339.3  | 410.9  | 526.5  | 731.4  | 1017.9 | 1477.8 | 2135.0 | 2916.7 | 3767.5 | 4583.0 | 5558.2 |
| 67.5° | 260.1  | 296.6  | 358.1  | 501.5  | 720.1  | 1162.4 | 1729.1 | 2471.8 | 3269.8 | 4036.4 | 5031.6 |
| 70°   | 222.4  | 238.8  | 265.2  | 333.1  | 457.4  | 733.9  | 1213.9 | 1843.5 | 2534.7 | 3199.5 | 4094.2 |
| 72.5° | 202.3  | 209.8  | 223.7  | 252.5  | 314.2  | 439.8  | 774.1  | 1200.1 | 1724.1 | 2280.8 | 2972.0 |
| 75°   | 186.0  | 192.2  | 203.6  | 218.7  | 241.2  | 292.8  | 441.0  | 733.9  | 1120.9 | 1497.9 | 2005.6 |
| 77.5° | 169.6  | 173.4  | 186.0  | 199.8  | 214.9  | 241.2  | 291.5  | 422.3  | 644.7  | 883.4  | 1208.9 |
| 80°   | 155.9  | 153.3  | 162.1  | 184.8  | 199.8  | 214.9  | 229.9  | 274.0  | 366.9  | 483.8  | 653.5  |
| 82.5° | 124.5  | 126.9  | 134.5  | 157.1  | 163.3  | 159.6  | 162.1  | 169.6  | 204.9  | 223.7  | 334.3  |
| 85°   | 84.1   | 77.9   | 76.7   | 79.2   | 79.2   | 75.4   | 75.4   | 74.1   | 81.7   | 93.0   | 159.6  |
| 87.5° | 22.6   | 11.3   | 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°    | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2  | 1318.2  | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 0°    |
| 2.5°  | 1314.5 | 1313.2 | 1314.5 | 1308.2 | 1308.2 | 1306.9  | 1305.7  | 1303.1 | 1303.1 | 1298.1 | 1301.9 | 2.5°  |
| 5°    | 1339.6 | 1337.1 | 1332.0 | 1324.6 | 1320.7 | 1315.8  | 1315.8  | 1310.7 | 1306.9 | 1301.9 | 1303.1 | 5°    |
| 7.5°  | 1368.5 | 1369.7 | 1360.9 | 1354.7 | 1352.1 | 1347.2  | 1348.4  | 1340.8 | 1342.1 | 1338.3 | 1335.9 | 7.5°  |
| 10°   | 1384.9 | 1384.9 | 1387.4 | 1386.1 | 1388.6 | 1388.6  | 1392.3  | 1387.4 | 1384.9 | 1381.0 | 1381.0 | 10°   |
| 12.5° | 1411.2 | 1416.3 | 1426.3 | 1426.3 | 1433.9 | 1436.4  | 1437.6  | 1440.1 | 1435.1 | 1432.5 | 1423.8 | 12.5° |
| 15°   | 1476.6 | 1489.1 | 1497.9 | 1510.5 | 1525.6 | 1530.6  | 1530.6  | 1525.6 | 1523.1 | 1519.3 | 1503.0 | 15°   |
| 17.5° | 1584.7 | 1612.3 | 1619.8 | 1639.9 | 1642.5 | 1648.7  | 1666.3  | 1656.3 | 1649.9 | 1623.6 | 1618.5 | 17.5° |
| 20°   | 1695.2 | 1730.5 | 1765.6 | 1790.8 | 1803.3 | 1828.4  | 1832.2  | 1827.2 | 1802.1 | 1776.9 | 1765.6 | 20°   |
| 22.5° | 1828.4 | 1881.2 | 1921.5 | 1960.4 | 1979.3 | 1991.8  | 2019.5  | 2013.2 | 1993.1 | 1955.3 | 1940.3 | 22.5° |
| 25°   | 2016.9 | 2082.3 | 2125.0 | 2172.7 | 2197.9 | 2210.5  | 2238.1  | 2238.1 | 2216.8 | 2205.4 | 2204.1 | 25°   |
| 27.5° | 2254.4 | 2334.8 | 2405.3 | 2421.6 | 2486.9 | 2502.0  | 2528.4  | 2528.4 | 2508.3 | 2494.5 | 2561.0 | 27.5° |
| 30°   | 2518.3 | 2602.5 | 2724.5 | 2806.1 | 2885.3 | 2963.2  | 2962.0  | 2966.9 | 2990.9 | 3003.4 | 3032.3 | 30°   |
| 32.5° | 2782.3 | 2886.5 | 3016.0 | 3193.2 | 3362.8 | 3507.4  | 3694.6  | 3814.0 | 3777.5 | 3675.8 | 3635.5 | 32.5° |
| 35°   | 3102.7 | 3218.3 | 3375.3 | 3553.8 | 3864.2 | 4051.5  | 4142.0  | 4206.0 | 4213.6 | 4227.4 | 4256.3 | 35°   |
| 37.5° | 3459.6 | 3653.1 | 3835.3 | 4037.6 | 4209.8 | 4437.2  | 4647.2  | 4815.5 | 4854.5 | 4933.7 | 4888.4 | 37.5° |
| 40°   | 3910.7 | 4126.8 | 4317.8 | 4579.3 | 4810.5 | 5084.5  | 5384.8  | 5616.0 | 5709.0 | 5678.9 | 5452.6 | 40°   |
| 42.5° | 4383.2 | 4650.9 | 4874.6 | 5182.5 | 5482.8 | 5844.7  | 6155.1  | 6478.0 | 6535.9 | 6303.4 | 5965.4 | 42.5° |
| 45°   | 4818.0 | 5149.7 | 5427.5 | 5748.0 | 6114.9 | 6548.4  | 6963.1  | 7294.9 | 7283.6 | 6885.2 | 6432.8 | 45°   |
| 47.5° | 5208.8 | 5616.0 | 5955.3 | 6372.5 | 6767.0 | 7283.6  | 7759.9  | 8004.9 | 7860.4 | 7389.1 | 6834.9 | 47.5° |
| 50°   | 5531.8 | 6039.5 | 6457.9 | 6880.2 | 7381.6 | 8003.6  | 8462.3  | 8600.5 | 8321.6 | 7808.8 | 7225.8 | 50°   |
| 52.5° | 5791.9 | 6429.0 | 6899.1 | 7385.4 | 8018.8 | 8673.5  | 9068.0  | 9016.5 | 8655.9 | 8129.3 | 7548.7 | 52.5° |
| 55°   | 6011.8 | 6726.8 | 7287.4 | 7861.7 | 8647.0 | 9250.3  | 9512.8  | 9374.6 | 8870.8 | 8336.7 | 7769.9 | 55°   |
| 57.5° | 6239.3 | 7016.0 | 7644.2 | 8310.3 | 9184.9 | 9702.6  | 9848.4  | 9564.5 | 8972.5 | 8415.9 | 7865.4 | 57.5° |
| 60°   | 6466.7 | 7257.2 | 7959.7 | 8702.4 | 9592.0 | 10072.1 | 10031.9 | 9607.2 | 8942.4 | 8358.0 | 7801.3 | 60°   |
| 62.5° | 6620.1 | 7400.4 | 8143.1 | 8943.6 | 9897.4 | 10260.6 | 10014.3 | 9455.1 | 8767.7 | 8130.6 | 7610.3 | 62.5° |
| 63°   | 6623.8 | 7405.5 | 8154.4 | 8960.0 | 9931.4 | 10266.8 | 9980.3  | 9401.0 | 8712.4 | 8084.0 | 7553.8 | 63°   |
| 65°   | 6544.7 | 7311.2 | 8053.9 | 8885.8 | 9902.5 | 10122.4 | 9687.6  | 9081.9 | 8397.0 | 7762.4 | 7259.7 | 65°   |
| 67.5° | 6140.0 | 6921.7 | 7577.6 | 8361.8 | 9384.7 | 9447.6  | 8903.4  | 8414.6 | 7798.8 | 7141.6 | 6616.3 | 67.5° |
| 70°   | 5324.5 | 5974.1 | 6617.5 | 7272.2 | 8130.6 | 8119.3  | 7607.8  | 7359.0 | 6819.9 | 6070.9 | 5649.9 | 70°   |
| 72.5° | 4234.9 | 4818.0 | 5270.4 | 5709.0 | 6274.5 | 6160.1  | 5830.9  | 5900.0 | 5550.7 | 4991.4 | 4741.3 | 72.5° |
| 75°   | 3144.1 | 3785.1 | 4006.2 | 4184.7 | 4423.4 | 4424.7  | 4515.1  | 4711.2 | 4706.2 | 4395.8 | 4080.3 | 75°   |
| 77.5° | 2062.2 | 2763.4 | 2837.5 | 2980.8 | 3267.3 | 3656.9  | 4059.0  | 4491.3 | 4599.4 | 4354.3 | 3888.1 | 77.5° |
| 80°   | 1149.8 | 1878.7 | 1793.3 | 1916.4 | 2225.5 | 2754.6  | 3347.8  | 3825.3 | 4106.7 | 3969.7 | 3476.0 | 80°   |
| 82.5° | 588.1  | 1083.2 | 1035.4 | 1206.4 | 1456.5 | 1916.4  | 2308.5  | 2675.4 | 3007.2 | 2988.3 | 2801.0 | 82.5° |
| 85°   | 305.4  | 593.2  | 674.8  | 764.0  | 889.7  | 1054.3  | 1202.6  | 1309.4 | 1447.7 | 1691.5 | 1774.4 | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2     | 0.0     | 90.5   | 65.4   | 179.7  | 256.4  | 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: P153324

NUMBER: VXS-F05-LED-E1-SLR-7030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 | 1318.2 |
| 1303.1 | 1304.5 | 1301.9 | 1301.9 | 1303.1 | 1303.1 | 1300.6 |
| 1300.6 | 1300.6 | 1298.1 | 1295.6 | 1293.1 | 1293.1 | 1290.6 |
| 1329.5 | 1329.5 | 1320.7 | 1317.0 | 1310.7 | 1305.7 | 1303.1 |
| 1372.2 | 1364.8 | 1354.7 | 1347.2 | 1337.1 | 1325.8 | 1319.5 |
| 1415.0 | 1403.7 | 1391.1 | 1379.8 | 1367.3 | 1354.7 | 1348.4 |
| 1485.4 | 1470.3 | 1454.0 | 1440.1 | 1422.5 | 1403.7 | 1396.2 |
| 1593.5 | 1569.5 | 1548.2 | 1528.1 | 1496.7 | 1482.9 | 1467.8 |
| 1736.7 | 1701.6 | 1673.9 | 1639.9 | 1600.9 | 1588.4 | 1569.5 |
| 1910.2 | 1880.0 | 1824.7 | 1799.5 | 1760.6 | 1741.8 | 1745.5 |
| 2174.0 | 2135.0 | 2071.0 | 2047.0 | 2043.3 | 2001.9 | 1981.8 |
| 2518.3 | 2520.8 | 2461.8 | 2397.7 | 2362.5 | 2297.2 | 2214.2 |
| 3008.4 | 2974.5 | 2905.4 | 2840.0 | 2757.1 | 2634.0 | 2495.8 |
| 3601.6 | 3526.2 | 3411.8 | 3289.9 | 3142.9 | 2953.2 | 2759.6 |
| 4180.9 | 4048.9 | 3866.7 | 3663.1 | 3450.8 | 3214.5 | 2940.6 |
| 4689.8 | 4485.0 | 4212.3 | 3978.5 | 3678.2 | 3382.9 | 3048.6 |
| 5154.8 | 4900.9 | 4549.1 | 4246.2 | 3891.8 | 3512.3 | 3116.5 |
| 5604.7 | 5283.0 | 4851.9 | 4442.3 | 4041.5 | 3599.1 | 3149.2 |
| 6033.2 | 5618.5 | 5107.0 | 4619.5 | 4150.8 | 3655.6 | 3154.2 |
| 6362.5 | 5910.1 | 5335.8 | 4747.7 | 4226.1 | 3698.3 | 3154.2 |
| 6667.8 | 6156.4 | 5510.5 | 4848.2 | 4296.5 | 3727.3 | 3156.7 |
| 6905.3 | 6329.7 | 5623.5 | 4919.8 | 4351.8 | 3748.6 | 3168.0 |
| 7077.5 | 6442.9 | 5699.0 | 4963.8 | 4392.0 | 3778.8 | 3193.2 |
| 7198.1 | 6517.0 | 5740.4 | 5002.8 | 4441.0 | 3831.5 | 3263.5 |
| 7256.0 | 6654.0 | 5809.5 | 5080.6 | 4525.2 | 3943.4 | 3404.2 |
| 7211.9 | 6866.3 | 6006.8 | 5212.6 | 4642.1 | 4118.0 | 3629.2 |
| 7193.1 | 6905.3 | 6060.8 | 5241.6 | 4668.5 | 4155.8 | 3707.2 |
| 7046.1 | 6944.2 | 6283.3 | 5387.3 | 4794.1 | 4322.9 | 3924.6 |
| 6589.9 | 6791.0 | 6470.6 | 5633.6 | 5064.4 | 4728.8 | 4330.5 |
| 5999.3 | 6563.5 | 6436.6 | 5665.0 | 5236.5 | 5061.8 | 4586.8 |
| 5291.8 | 5876.2 | 5758.0 | 5246.5 | 5046.7 | 5065.6 | 4520.2 |
| 4164.6 | 4603.1 | 4525.2 | 4345.5 | 4385.7 | 4523.9 | 3871.7 |
| 3336.4 | 3277.4 | 3097.6 | 3110.3 | 3342.7 | 3504.8 | 2787.3 |
| 2725.7 | 2206.7 | 1973.0 | 1979.3 | 2385.2 | 2553.6 | 1775.6 |
| 2593.8 | 2087.3 | 1700.2 | 1485.4 | 1735.4 | 1671.4 | 927.5  |
| 1847.3 | 1851.1 | 1535.6 | 1247.9 | 1208.9 | 1028.0 | 578.0  |
| 437.3  | 350.6  | 250.1  | 186.0  | 196.1  | 129.4  | 65.4   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)