

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: P153314

Luminaire Tested: **VXS-F04-LED-E1-SLR-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153314  
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-F04-LED-E1-SLR-7030  
Description: VISION SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (28) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8391.8 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



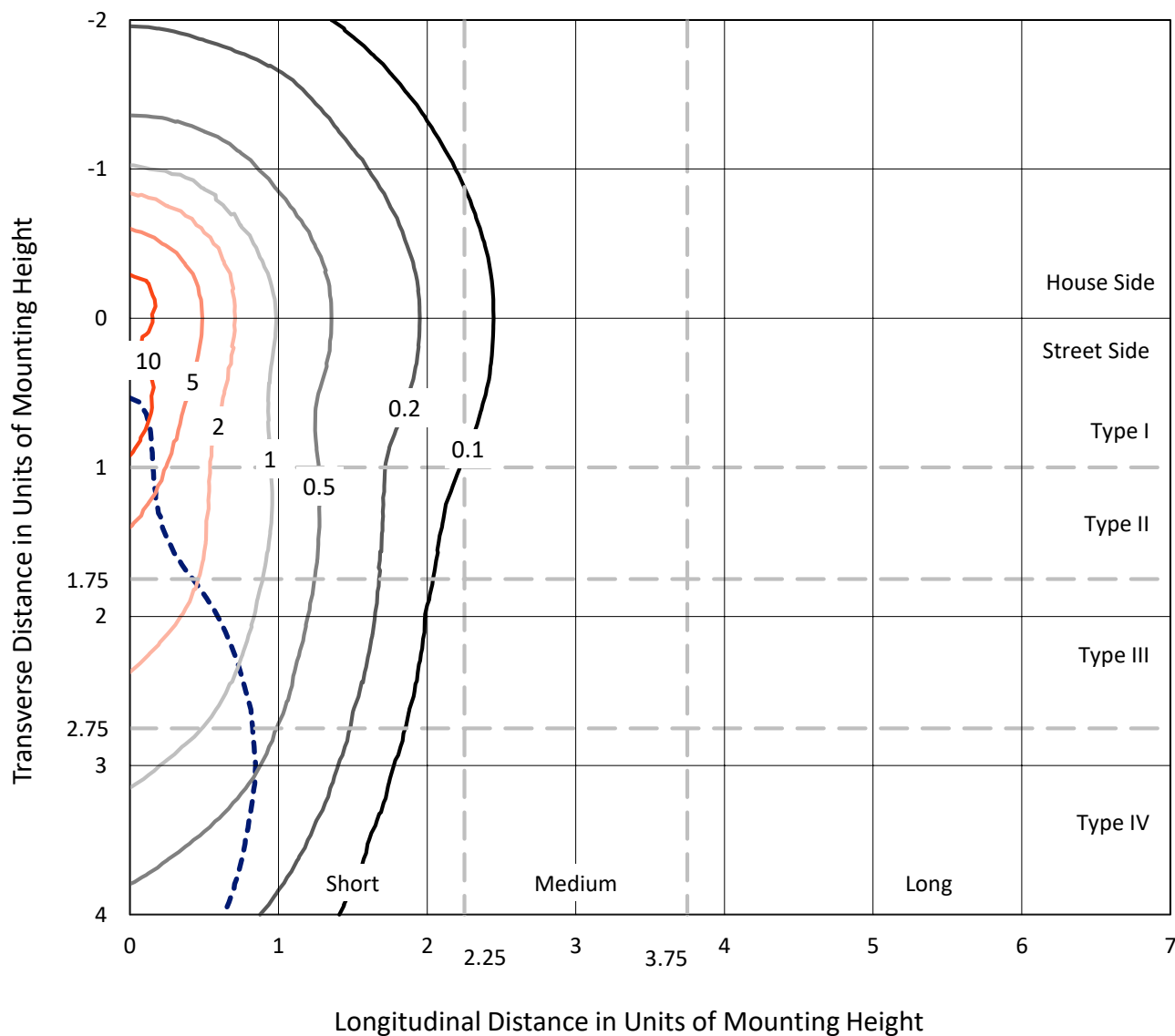
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

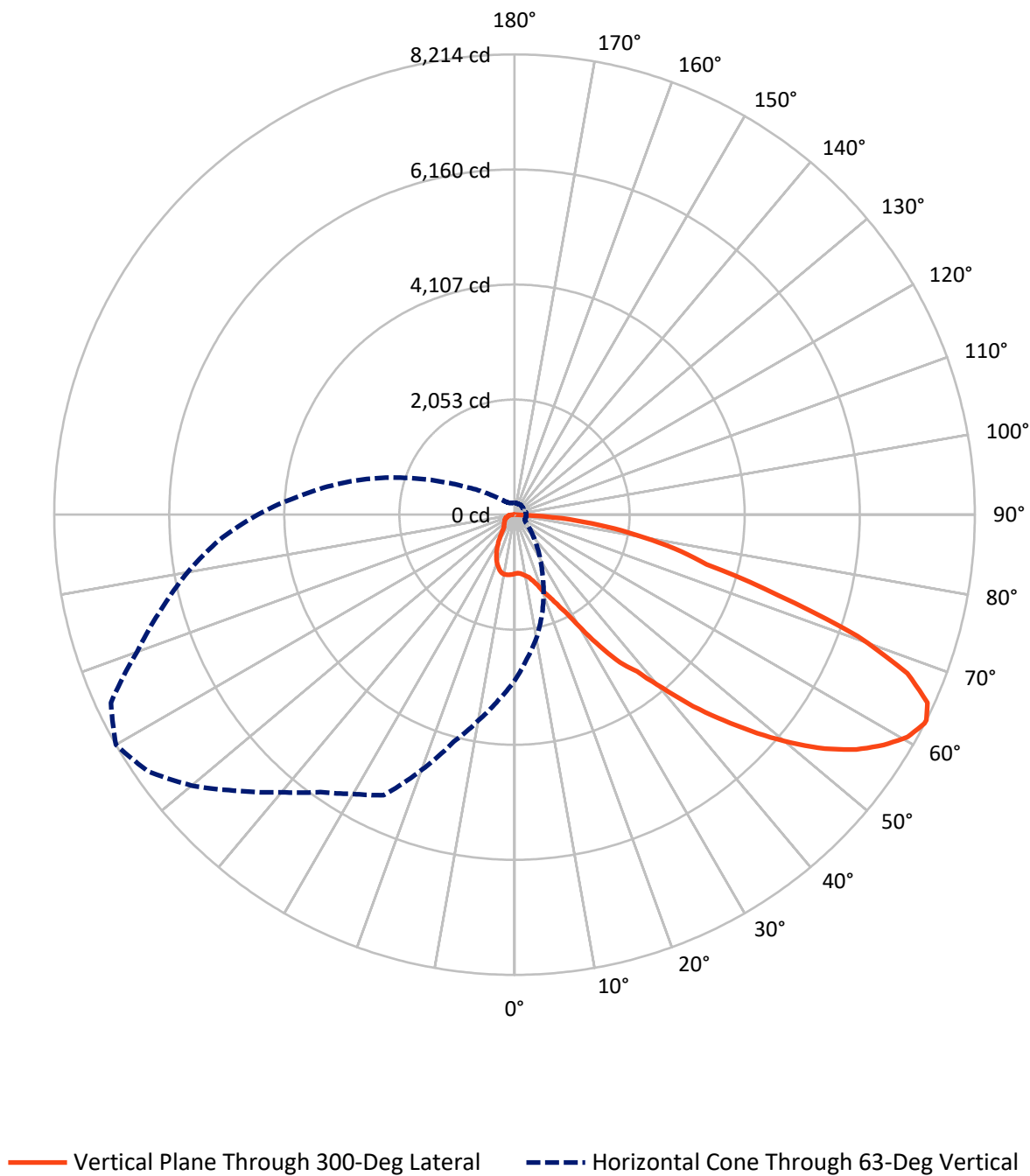


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1819.7   | 0.0    | 1819.7 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 6572.1   | 0.0    | 6572.1 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 8391.8   | 0.0    | 8391.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.7  | 1.2       |
| 10°-20°   | 319.7  | 3.8       |
| 20°-30°   | 568.0  | 6.8       |
| 30°-40°   | 894.5  | 10.7      |
| 40°-50°   | 1316.4 | 15.7      |
| 50°-60°   | 1748.5 | 20.8      |
| 60°-70°   | 1926.0 | 23.0      |
| 70°-80°   | 1208.4 | 14.4      |
| 80°-90°   | 307.8  | 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°    | 8391.8 | 100.0     |
| 0°-180°   | 8391.8 | 100.0     |

**Coefficient of Utilization**



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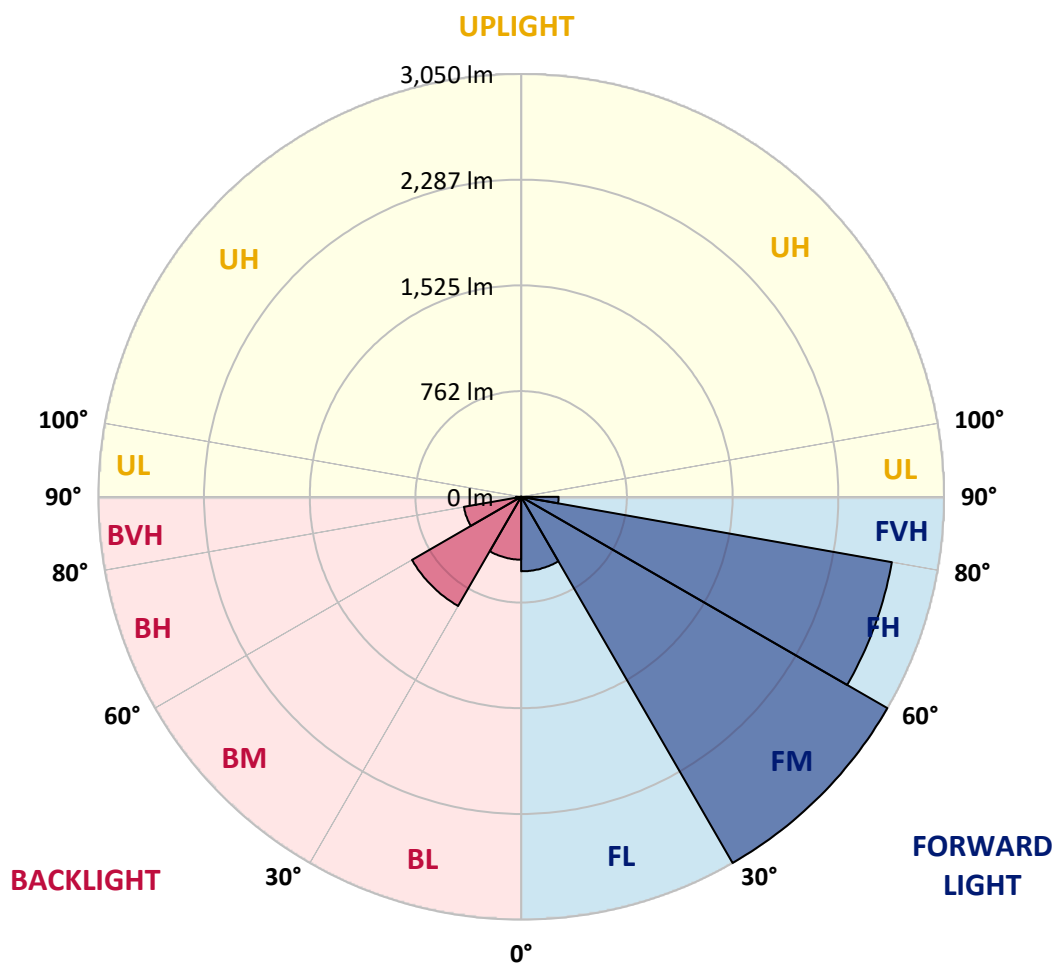
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 537.3  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 3049.8 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 2714.9 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 270.1  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 453.0  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 909.5  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 419.5  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 37.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1040.5 | 1043.5 | 1042.5 | 1042.5 | 1044.6 | 1043.5 | 1043.5 | 1044.6 | 1044.6 | 1047.6 | 1051.6 |
| 5°    | 1032.4 | 1031.5 | 1029.4 | 1031.5 | 1031.5 | 1031.5 | 1027.5 | 1030.5 | 1031.5 | 1033.5 | 1033.5 |
| 7.5°  | 1042.5 | 1039.5 | 1035.4 | 1036.5 | 1036.5 | 1034.5 | 1031.5 | 1032.4 | 1031.5 | 1031.5 | 1030.5 |
| 10°   | 1055.5 | 1048.6 | 1043.5 | 1043.5 | 1043.5 | 1041.6 | 1036.5 | 1039.5 | 1039.5 | 1038.5 | 1039.5 |
| 12.5° | 1078.8 | 1070.7 | 1064.7 | 1062.6 | 1062.6 | 1059.6 | 1055.5 | 1059.6 | 1057.6 | 1057.6 | 1055.5 |
| 15°   | 1116.9 | 1107.9 | 1100.8 | 1094.8 | 1095.9 | 1095.9 | 1090.8 | 1087.8 | 1083.7 | 1078.8 | 1068.7 |
| 17.5° | 1174.2 | 1164.1 | 1155.1 | 1150.1 | 1151.1 | 1144.0 | 1129.9 | 1116.0 | 1096.8 | 1077.7 | 1056.6 |
| 20°   | 1255.6 | 1252.6 | 1240.6 | 1235.5 | 1223.5 | 1206.4 | 1167.2 | 1134.0 | 1096.8 | 1060.6 | 1024.5 |
| 22.5° | 1396.4 | 1382.3 | 1370.3 | 1351.2 | 1311.0 | 1263.7 | 1198.3 | 1140.0 | 1081.8 | 1030.5 | 982.2  |
| 25°   | 1585.4 | 1560.3 | 1500.9 | 1442.6 | 1360.2 | 1275.8 | 1187.3 | 1111.9 | 1039.5 | 972.1  | 912.8  |
| 27.5° | 1771.4 | 1695.0 | 1589.4 | 1483.8 | 1363.2 | 1252.6 | 1142.1 | 1052.5 | 968.1  | 894.7  | 829.4  |
| 30°   | 1996.6 | 1867.9 | 1706.0 | 1539.2 | 1368.3 | 1219.5 | 1086.7 | 982.2  | 884.7  | 807.3  | 739.0  |
| 32.5° | 2207.7 | 2021.7 | 1809.5 | 1590.5 | 1379.3 | 1188.3 | 1023.4 | 904.8  | 804.2  | 706.7  | 639.4  |
| 35°   | 2352.4 | 2111.2 | 1853.8 | 1595.4 | 1352.1 | 1129.0 | 944.0  | 804.2  | 703.7  | 613.3  | 533.8  |
| 37.5° | 2439.0 | 2150.4 | 1855.9 | 1559.3 | 1288.8 | 1048.6 | 843.4  | 704.8  | 612.2  | 525.8  | 463.4  |
| 40°   | 2493.2 | 2159.5 | 1829.7 | 1506.9 | 1208.4 | 947.0  | 742.9  | 618.2  | 533.8  | 464.5  | 416.2  |
| 42.5° | 2519.4 | 2145.4 | 1787.5 | 1440.6 | 1126.9 | 856.6  | 672.5  | 554.9  | 481.6  | 432.3  | 396.1  |
| 45°   | 2523.3 | 2120.2 | 1742.2 | 1380.3 | 1054.6 | 791.2  | 624.4  | 528.8  | 468.5  | 427.3  | 391.1  |
| 47.5° | 2523.3 | 2098.1 | 1706.0 | 1336.1 | 1007.4 | 763.0  | 620.3  | 539.9  | 480.5  | 434.3  | 391.1  |
| 50°   | 2525.4 | 2091.1 | 1691.0 | 1314.0 | 991.3  | 778.1  | 654.5  | 574.0  | 506.6  | 446.3  | 390.1  |
| 52.5° | 2534.4 | 2100.1 | 1703.0 | 1331.1 | 1020.4 | 838.4  | 718.8  | 625.3  | 540.8  | 460.4  | 390.1  |
| 55°   | 2554.5 | 2130.3 | 1754.3 | 1390.4 | 1098.9 | 929.9  | 796.2  | 680.6  | 568.0  | 466.4  | 384.0  |
| 57.5° | 2610.8 | 2206.7 | 1847.8 | 1505.0 | 1232.5 | 1035.4 | 866.6  | 719.8  | 578.0  | 461.5  | 372.0  |
| 60°   | 2723.4 | 2358.4 | 2007.7 | 1665.8 | 1374.3 | 1126.0 | 907.8  | 725.8  | 569.0  | 445.4  | 352.8  |
| 62.5° | 2903.4 | 2532.4 | 2201.7 | 1840.7 | 1499.9 | 1176.3 | 912.8  | 710.8  | 544.9  | 416.2  | 324.8  |
| 63°   | 2965.7 | 2575.6 | 2242.9 | 1873.9 | 1516.1 | 1180.2 | 908.8  | 704.8  | 538.9  | 408.2  | 320.7  |
| 65°   | 3139.6 | 2757.6 | 2385.6 | 1990.6 | 1561.2 | 1181.2 | 886.7  | 674.6  | 510.7  | 377.0  | 292.5  |
| 67.5° | 3464.4 | 2996.9 | 2565.6 | 2082.1 | 1577.3 | 1149.1 | 830.4  | 618.2  | 451.4  | 328.7  | 257.4  |
| 70°   | 3669.4 | 3130.6 | 2634.9 | 2084.0 | 1530.2 | 1057.6 | 732.8  | 526.8  | 376.0  | 272.4  | 221.1  |
| 72.5° | 3616.2 | 2998.9 | 2452.0 | 1896.1 | 1326.0 | 883.7  | 589.1  | 414.2  | 293.6  | 218.1  | 183.9  |
| 75°   | 3097.4 | 2496.3 | 2000.6 | 1468.8 | 1002.3 | 649.4  | 431.3  | 295.5  | 217.1  | 170.9  | 153.8  |
| 77.5° | 2229.8 | 1796.5 | 1434.6 | 1046.5 | 675.5  | 420.2  | 286.5  | 211.1  | 164.9  | 140.7  | 126.6  |
| 80°   | 1420.5 | 1053.6 | 877.6  | 629.3  | 395.1  | 260.4  | 197.0  | 159.9  | 135.8  | 117.6  | 108.6  |
| 82.5° | 742.0  | 519.8  | 422.3  | 321.7  | 219.2  | 171.9  | 144.8  | 130.7  | 111.6  | 97.5   | 92.5   |
| 85°   | 462.5  | 306.6  | 227.3  | 158.9  | 109.5  | 98.5   | 90.5   | 88.5   | 79.4   | 70.4   | 67.4   |
| 87.5° | 52.2   | 47.3   | 49.2   | 31.2   | 23.1   | 25.2   | 24.1   | 32.1   | 31.2   | 23.1   | 24.1   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1047.6 | 1049.5 | 1049.5 | 1052.5 | 1052.5 | 1054.6 | 1056.6 | 1056.6 | 1058.7 | 1059.6 | 1061.7 |
| 5°    | 1035.4 | 1035.4 | 1035.4 | 1039.5 | 1040.5 | 1046.5 | 1048.6 | 1050.6 | 1052.5 | 1059.6 | 1063.6 |
| 7.5°  | 1032.4 | 1028.5 | 1030.5 | 1030.5 | 1033.5 | 1038.5 | 1043.5 | 1046.5 | 1049.5 | 1058.7 | 1064.7 |
| 10°   | 1038.5 | 1035.4 | 1032.4 | 1032.4 | 1033.5 | 1035.4 | 1039.5 | 1042.5 | 1044.6 | 1053.6 | 1058.7 |
| 12.5° | 1054.6 | 1047.6 | 1041.6 | 1036.5 | 1032.4 | 1031.5 | 1029.4 | 1030.5 | 1032.4 | 1037.5 | 1044.6 |
| 15°   | 1057.6 | 1044.6 | 1031.5 | 1018.4 | 1008.3 | 1002.3 | 997.3  | 995.2  | 995.2  | 998.2  | 1006.3 |
| 17.5° | 1037.5 | 1015.3 | 996.3  | 979.2  | 968.1  | 957.1  | 952.0  | 948.0  | 946.0  | 950.1  | 951.1  |
| 20°   | 994.3  | 968.1  | 942.0  | 921.9  | 901.8  | 898.8  | 890.7  | 892.7  | 894.7  | 900.7  | 903.8  |
| 22.5° | 934.9  | 903.8  | 871.6  | 850.5  | 834.4  | 820.3  | 811.3  | 815.3  | 818.3  | 824.4  | 827.4  |
| 25°   | 862.6  | 817.3  | 783.1  | 762.1  | 745.0  | 732.8  | 722.8  | 726.8  | 722.8  | 729.8  | 740.9  |
| 27.5° | 777.1  | 723.8  | 687.7  | 663.5  | 651.4  | 641.3  | 631.3  | 631.3  | 641.3  | 641.3  | 650.5  |
| 30°   | 673.6  | 634.4  | 587.2  | 562.0  | 546.9  | 540.8  | 539.9  | 537.8  | 544.9  | 548.9  | 559.0  |
| 32.5° | 576.1  | 527.8  | 482.6  | 458.4  | 445.4  | 438.3  | 439.4  | 440.3  | 443.3  | 449.4  | 465.5  |
| 35°   | 477.5  | 435.3  | 403.1  | 376.0  | 362.9  | 349.8  | 349.8  | 347.9  | 350.9  | 357.9  | 377.0  |
| 37.5° | 414.2  | 377.0  | 351.8  | 330.8  | 317.7  | 309.6  | 302.6  | 299.6  | 299.6  | 302.6  | 309.6  |
| 40°   | 379.0  | 351.8  | 328.7  | 310.7  | 298.5  | 291.5  | 287.6  | 284.5  | 282.5  | 282.5  | 283.5  |
| 42.5° | 362.9  | 334.8  | 311.6  | 295.5  | 286.5  | 282.5  | 281.5  | 280.5  | 277.5  | 276.5  | 275.4  |
| 45°   | 354.9  | 322.7  | 296.6  | 283.5  | 276.5  | 274.4  | 275.4  | 275.4  | 274.4  | 272.4  | 268.4  |
| 47.5° | 348.8  | 311.6  | 285.5  | 273.5  | 270.5  | 270.5  | 270.5  | 270.5  | 269.4  | 268.4  | 265.4  |
| 50°   | 338.8  | 294.6  | 266.4  | 257.4  | 255.3  | 255.3  | 256.4  | 256.4  | 258.3  | 256.4  | 254.3  |
| 52.5° | 327.8  | 278.4  | 250.4  | 242.3  | 241.2  | 240.3  | 240.3  | 240.3  | 241.2  | 241.2  | 240.3  |
| 55°   | 315.6  | 266.4  | 242.3  | 236.3  | 237.3  | 236.3  | 235.2  | 234.2  | 234.2  | 233.3  | 231.2  |
| 57.5° | 303.6  | 256.4  | 236.3  | 232.2  | 233.3  | 233.3  | 231.2  | 229.2  | 228.2  | 225.2  | 223.2  |
| 60°   | 285.5  | 242.3  | 224.1  | 222.2  | 225.2  | 225.2  | 225.2  | 224.1  | 224.1  | 223.2  | 218.1  |
| 62.5° | 261.3  | 222.2  | 208.1  | 209.1  | 210.2  | 212.1  | 212.1  | 212.1  | 212.1  | 210.2  | 205.1  |
| 63°   | 256.4  | 218.1  | 205.1  | 205.1  | 208.1  | 208.1  | 209.1  | 208.1  | 209.1  | 207.0  | 201.0  |
| 65°   | 236.3  | 205.1  | 195.0  | 196.1  | 198.0  | 198.0  | 198.0  | 197.0  | 197.0  | 194.0  | 191.0  |
| 67.5° | 213.2  | 189.0  | 183.0  | 183.9  | 185.0  | 186.9  | 186.0  | 186.0  | 186.9  | 185.0  | 182.0  |
| 70°   | 186.9  | 171.9  | 167.9  | 168.9  | 169.9  | 169.9  | 168.9  | 168.9  | 169.9  | 167.9  | 164.9  |
| 72.5° | 166.8  | 160.8  | 157.8  | 157.8  | 155.9  | 155.9  | 153.8  | 152.8  | 151.8  | 151.8  | 148.8  |
| 75°   | 140.7  | 139.7  | 140.7  | 142.8  | 140.7  | 138.8  | 137.7  | 134.7  | 132.7  | 132.7  | 131.7  |
| 77.5° | 120.6  | 120.6  | 122.7  | 125.7  | 126.6  | 126.6  | 123.6  | 118.7  | 117.6  | 117.6  | 117.6  |
| 80°   | 104.6  | 102.6  | 102.6  | 105.6  | 108.6  | 107.6  | 102.6  | 97.5   | 97.5   | 102.6  | 103.5  |
| 82.5° | 91.5   | 91.5   | 88.5   | 89.4   | 88.5   | 87.5   | 82.5   | 79.4   | 78.4   | 82.5   | 86.4   |
| 85°   | 72.3   | 73.4   | 72.3   | 71.4   | 70.4   | 67.4   | 63.3   | 60.3   | 59.3   | 63.3   | 69.3   |
| 87.5° | 29.1   | 28.2   | 27.2   | 28.2   | 27.2   | 29.1   | 28.2   | 26.1   | 25.2   | 28.2   | 34.2   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1062.6 | 1064.7 | 1066.6 | 1066.6 | 1068.7 | 1067.7 | 1068.7 | 1069.6 | 1069.6 | 1070.7 | 1070.7 |
| 5°    | 1068.7 | 1071.7 | 1075.6 | 1079.7 | 1080.7 | 1083.7 | 1086.7 | 1084.8 | 1087.8 | 1091.8 | 1091.8 |
| 7.5°  | 1070.7 | 1077.7 | 1080.7 | 1086.7 | 1087.8 | 1091.8 | 1098.9 | 1093.8 | 1099.8 | 1102.8 | 1103.8 |
| 10°   | 1067.7 | 1074.7 | 1079.7 | 1086.7 | 1089.7 | 1096.8 | 1103.8 | 1101.9 | 1108.9 | 1113.9 | 1114.9 |
| 12.5° | 1049.5 | 1056.6 | 1067.7 | 1077.7 | 1085.7 | 1096.8 | 1109.8 | 1105.9 | 1116.0 | 1122.0 | 1125.0 |
| 15°   | 1014.4 | 1021.5 | 1033.5 | 1049.5 | 1064.7 | 1081.8 | 1098.9 | 1101.9 | 1111.9 | 1119.0 | 1122.0 |
| 17.5° | 959.1  | 968.1  | 981.2  | 998.2  | 1017.4 | 1046.5 | 1068.7 | 1079.7 | 1093.8 | 1097.8 | 1102.8 |
| 20°   | 907.8  | 916.9  | 924.9  | 934.9  | 949.0  | 977.2  | 1006.3 | 1028.5 | 1046.5 | 1061.7 | 1065.6 |
| 22.5° | 839.5  | 847.5  | 857.5  | 865.6  | 875.6  | 895.8  | 919.9  | 945.0  | 973.2  | 982.2  | 992.2  |
| 25°   | 757.0  | 762.1  | 776.1  | 781.1  | 788.2  | 805.3  | 824.4  | 842.5  | 869.6  | 888.7  | 893.8  |
| 27.5° | 668.5  | 673.6  | 686.6  | 689.6  | 698.7  | 714.8  | 728.9  | 735.9  | 761.0  | 781.1  | 797.2  |
| 30°   | 566.0  | 579.1  | 595.1  | 597.2  | 607.3  | 617.3  | 630.4  | 637.4  | 660.5  | 681.7  | 701.8  |
| 32.5° | 477.5  | 490.6  | 503.6  | 511.7  | 516.8  | 524.8  | 537.8  | 544.9  | 567.0  | 586.1  | 606.2  |
| 35°   | 387.0  | 403.1  | 417.2  | 428.3  | 432.3  | 442.4  | 452.4  | 459.5  | 482.6  | 499.7  | 513.7  |
| 37.5° | 318.7  | 330.8  | 345.8  | 356.9  | 368.0  | 375.0  | 387.0  | 397.1  | 411.2  | 420.2  | 435.3  |
| 40°   | 285.5  | 291.5  | 299.6  | 308.6  | 317.7  | 325.7  | 334.8  | 342.8  | 351.8  | 363.9  | 374.0  |
| 42.5° | 274.4  | 275.4  | 275.4  | 278.4  | 283.5  | 287.6  | 295.5  | 301.6  | 307.7  | 316.7  | 321.7  |
| 45°   | 266.4  | 265.4  | 263.4  | 261.3  | 262.4  | 264.4  | 269.4  | 273.5  | 280.5  | 284.5  | 285.5  |
| 47.5° | 262.4  | 258.3  | 254.3  | 251.3  | 250.4  | 251.3  | 255.3  | 259.4  | 263.4  | 266.4  | 267.5  |
| 50°   | 249.3  | 246.3  | 240.3  | 236.3  | 234.2  | 236.3  | 241.2  | 243.3  | 247.4  | 250.4  | 251.3  |
| 52.5° | 236.3  | 232.2  | 228.2  | 224.1  | 224.1  | 225.2  | 229.2  | 233.3  | 237.3  | 238.2  | 240.3  |
| 55°   | 228.2  | 222.2  | 218.1  | 215.1  | 213.2  | 216.2  | 219.2  | 224.1  | 229.2  | 230.3  | 232.2  |
| 57.5° | 220.2  | 214.1  | 210.2  | 207.0  | 205.1  | 208.1  | 211.1  | 218.1  | 224.1  | 224.1  | 224.1  |
| 60°   | 215.1  | 210.2  | 204.0  | 201.0  | 198.0  | 201.0  | 205.1  | 212.1  | 218.1  | 217.1  | 216.2  |
| 62.5° | 201.0  | 196.1  | 193.1  | 193.1  | 190.1  | 195.0  | 199.1  | 207.0  | 208.1  | 206.1  | 204.0  |
| 63°   | 197.0  | 193.1  | 191.0  | 191.0  | 189.0  | 194.0  | 198.0  | 205.1  | 205.1  | 203.1  | 201.0  |
| 65°   | 186.9  | 183.9  | 182.0  | 183.9  | 183.9  | 189.0  | 190.1  | 195.0  | 194.0  | 191.0  | 190.1  |
| 67.5° | 179.0  | 176.9  | 174.9  | 174.9  | 174.9  | 176.0  | 176.9  | 179.0  | 177.9  | 176.9  | 177.9  |
| 70°   | 165.9  | 164.9  | 162.9  | 162.9  | 161.9  | 161.9  | 161.9  | 162.9  | 162.9  | 163.8  | 164.9  |
| 72.5° | 149.8  | 147.8  | 147.8  | 148.8  | 146.7  | 147.8  | 148.8  | 147.8  | 149.8  | 149.8  | 150.8  |
| 75°   | 131.7  | 130.7  | 132.7  | 134.7  | 133.7  | 133.7  | 134.7  | 134.7  | 135.8  | 135.8  | 136.7  |
| 77.5° | 117.6  | 118.7  | 119.6  | 121.7  | 122.7  | 122.7  | 122.7  | 121.7  | 122.7  | 122.7  | 123.6  |
| 80°   | 104.6  | 106.5  | 108.6  | 110.6  | 111.6  | 111.6  | 111.6  | 110.6  | 110.6  | 110.6  | 110.6  |
| 82.5° | 94.5   | 97.5   | 99.5   | 100.5  | 100.5  | 100.5  | 100.5  | 100.5  | 100.5  | 98.5   | 96.5   |
| 85°   | 79.4   | 85.5   | 85.5   | 86.4   | 83.4   | 81.5   | 79.4   | 80.4   | 81.5   | 77.4   | 76.4   |
| 87.5° | 40.2   | 40.2   | 42.2   | 44.2   | 45.3   | 45.3   | 51.3   | 48.3   | 47.3   | 46.2   | 44.2   |
| 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°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1071.7 | 1070.7 | 1072.6 | 1070.7 | 1071.7 | 1072.6 | 1070.7 | 1073.7 | 1075.6 | 1072.6 | 1069.6 |
| 5°    | 1093.8 | 1093.8 | 1098.9 | 1100.8 | 1101.9 | 1107.9 | 1104.9 | 1106.8 | 1108.9 | 1107.9 | 1108.9 |
| 7.5°  | 1107.9 | 1111.9 | 1116.9 | 1122.0 | 1122.9 | 1128.0 | 1126.9 | 1129.9 | 1132.0 | 1137.0 | 1137.0 |
| 10°   | 1119.9 | 1125.0 | 1132.0 | 1137.0 | 1142.1 | 1146.1 | 1148.1 | 1154.1 | 1155.1 | 1159.2 | 1159.2 |
| 12.5° | 1131.0 | 1137.0 | 1144.0 | 1152.1 | 1157.1 | 1165.2 | 1166.2 | 1175.2 | 1178.2 | 1179.3 | 1176.3 |
| 15°   | 1129.0 | 1136.1 | 1144.0 | 1153.1 | 1162.2 | 1172.2 | 1178.2 | 1187.3 | 1192.3 | 1194.3 | 1189.3 |
| 17.5° | 1109.8 | 1116.0 | 1126.0 | 1138.0 | 1149.1 | 1162.2 | 1173.3 | 1186.3 | 1194.3 | 1196.4 | 1195.3 |
| 20°   | 1072.6 | 1076.7 | 1089.7 | 1105.9 | 1119.0 | 1139.1 | 1155.1 | 1175.2 | 1188.3 | 1198.3 | 1201.3 |
| 22.5° | 999.3  | 1009.3 | 1022.4 | 1040.5 | 1059.6 | 1084.8 | 1107.9 | 1137.0 | 1165.2 | 1189.3 | 1213.5 |
| 25°   | 910.8  | 928.9  | 949.0  | 973.2  | 996.3  | 1022.4 | 1048.6 | 1081.8 | 1122.9 | 1173.3 | 1230.5 |
| 27.5° | 821.3  | 852.5  | 877.6  | 908.8  | 936.0  | 962.1  | 991.3  | 1027.5 | 1072.6 | 1133.0 | 1206.4 |
| 30°   | 730.9  | 766.0  | 793.2  | 829.4  | 865.6  | 900.7  | 929.9  | 968.1  | 1012.3 | 1073.7 | 1154.1 |
| 32.5° | 634.4  | 669.5  | 701.8  | 734.9  | 775.1  | 817.3  | 852.5  | 899.8  | 947.0  | 1010.4 | 1091.8 |
| 35°   | 534.8  | 566.0  | 593.2  | 628.3  | 672.5  | 717.8  | 764.0  | 818.3  | 869.6  | 936.0  | 1022.4 |
| 37.5° | 448.4  | 470.5  | 496.6  | 527.8  | 562.0  | 610.3  | 662.5  | 726.8  | 785.2  | 857.5  | 946.0  |
| 40°   | 377.0  | 389.0  | 404.1  | 430.3  | 461.5  | 508.7  | 560.0  | 628.3  | 698.7  | 778.1  | 863.5  |
| 42.5° | 321.7  | 327.8  | 331.7  | 348.8  | 374.0  | 420.2  | 469.5  | 535.9  | 613.3  | 699.7  | 786.1  |
| 45°   | 285.5  | 288.5  | 289.5  | 298.5  | 316.7  | 356.9  | 408.2  | 464.5  | 538.9  | 623.3  | 713.8  |
| 47.5° | 268.4  | 271.4  | 273.5  | 275.4  | 286.5  | 317.7  | 363.9  | 417.2  | 485.6  | 563.0  | 655.4  |
| 50°   | 254.3  | 257.4  | 260.4  | 259.4  | 264.4  | 284.5  | 323.7  | 373.0  | 437.3  | 508.7  | 600.2  |
| 52.5° | 240.3  | 242.3  | 242.3  | 242.3  | 245.3  | 258.3  | 286.5  | 331.7  | 391.1  | 458.4  | 548.9  |
| 55°   | 232.2  | 234.2  | 235.2  | 236.3  | 237.3  | 244.2  | 265.4  | 301.6  | 352.8  | 415.2  | 496.6  |
| 57.5° | 224.1  | 225.2  | 227.3  | 228.2  | 230.3  | 234.2  | 247.4  | 273.5  | 316.7  | 368.9  | 437.3  |
| 60°   | 217.1  | 219.2  | 223.2  | 224.1  | 226.2  | 227.3  | 233.3  | 249.3  | 277.5  | 317.7  | 373.0  |
| 62.5° | 206.1  | 209.1  | 213.2  | 214.1  | 216.2  | 217.1  | 218.1  | 227.3  | 240.3  | 264.4  | 305.6  |
| 63°   | 203.1  | 206.1  | 211.1  | 212.1  | 213.2  | 213.2  | 214.1  | 220.2  | 232.2  | 253.4  | 283.5  |
| 65°   | 192.0  | 196.1  | 199.1  | 200.1  | 201.0  | 201.0  | 200.1  | 202.1  | 203.1  | 212.1  | 230.3  |
| 67.5° | 180.0  | 183.0  | 185.0  | 186.0  | 185.0  | 186.0  | 185.0  | 183.0  | 180.9  | 183.0  | 191.0  |
| 70°   | 167.9  | 169.9  | 169.9  | 170.9  | 171.9  | 173.0  | 170.9  | 168.9  | 166.8  | 165.9  | 170.9  |
| 72.5° | 153.8  | 155.9  | 155.9  | 156.8  | 156.8  | 158.9  | 158.9  | 157.8  | 157.8  | 158.9  | 159.9  |
| 75°   | 139.7  | 141.8  | 140.7  | 142.8  | 142.8  | 145.8  | 145.8  | 146.7  | 148.8  | 147.8  | 146.7  |
| 77.5° | 126.6  | 127.7  | 127.7  | 128.7  | 129.6  | 134.7  | 137.7  | 138.8  | 138.8  | 136.7  | 134.7  |
| 80°   | 112.6  | 112.6  | 110.6  | 109.5  | 110.6  | 115.6  | 121.7  | 122.7  | 125.7  | 124.7  | 125.7  |
| 82.5° | 94.5   | 90.5   | 87.5   | 87.5   | 89.4   | 92.5   | 94.5   | 96.5   | 98.5   | 98.5   | 100.5  |
| 85°   | 72.3   | 68.4   | 65.4   | 66.3   | 69.3   | 70.4   | 69.3   | 69.3   | 73.4   | 76.4   | 73.4   |
| 87.5° | 43.2   | 39.2   | 37.2   | 34.2   | 35.2   | 38.2   | 37.2   | 34.2   | 35.2   | 28.2   | 26.1   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1071.7 | 1070.7 | 1068.7 | 1065.6 | 1064.7 | 1062.6 | 1063.6 | 1060.6 | 1058.7 | 1056.6 | 1053.6 |
| 5°    | 1108.9 | 1108.9 | 1102.8 | 1102.8 | 1099.8 | 1098.9 | 1091.8 | 1088.8 | 1082.7 | 1084.8 | 1077.7 |
| 7.5°  | 1135.0 | 1138.0 | 1131.0 | 1129.9 | 1126.0 | 1125.0 | 1116.0 | 1112.8 | 1107.9 | 1105.9 | 1099.8 |
| 10°   | 1154.1 | 1154.1 | 1145.1 | 1138.0 | 1133.0 | 1128.0 | 1119.0 | 1114.9 | 1110.9 | 1111.9 | 1107.9 |
| 12.5° | 1169.2 | 1162.2 | 1149.1 | 1139.1 | 1132.0 | 1126.9 | 1119.9 | 1116.9 | 1116.0 | 1122.9 | 1123.9 |
| 15°   | 1181.2 | 1171.2 | 1155.1 | 1148.1 | 1142.1 | 1141.0 | 1141.0 | 1144.0 | 1151.1 | 1164.1 | 1174.2 |
| 17.5° | 1188.3 | 1182.3 | 1174.2 | 1172.2 | 1182.3 | 1188.3 | 1196.4 | 1205.4 | 1215.4 | 1233.6 | 1244.6 |
| 20°   | 1201.3 | 1205.4 | 1211.4 | 1219.5 | 1235.5 | 1250.7 | 1260.7 | 1273.8 | 1285.8 | 1307.9 | 1326.0 |
| 22.5° | 1235.5 | 1258.7 | 1277.7 | 1293.9 | 1318.0 | 1339.1 | 1352.1 | 1370.3 | 1379.3 | 1394.4 | 1422.5 |
| 25°   | 1279.8 | 1327.0 | 1367.3 | 1401.5 | 1438.7 | 1460.7 | 1478.9 | 1502.0 | 1516.1 | 1541.1 | 1566.3 |
| 27.5° | 1266.7 | 1334.1 | 1394.4 | 1457.7 | 1509.0 | 1566.3 | 1606.5 | 1644.7 | 1668.8 | 1706.0 | 1739.2 |
| 30°   | 1226.5 | 1306.9 | 1388.4 | 1471.8 | 1553.3 | 1635.6 | 1712.0 | 1781.5 | 1834.7 | 1888.0 | 1942.3 |
| 32.5° | 1172.2 | 1264.7 | 1364.2 | 1466.7 | 1573.4 | 1688.0 | 1793.5 | 1898.0 | 1986.5 | 2063.9 | 2139.4 |
| 35°   | 1109.8 | 1214.4 | 1318.0 | 1444.7 | 1576.4 | 1722.1 | 1868.9 | 2013.7 | 2148.4 | 2285.1 | 2377.6 |
| 37.5° | 1035.4 | 1142.1 | 1257.6 | 1403.4 | 1558.2 | 1738.2 | 1925.2 | 2114.2 | 2305.2 | 2489.2 | 2649.0 |
| 40°   | 956.1  | 1064.7 | 1186.3 | 1344.1 | 1519.1 | 1728.2 | 1961.3 | 2215.8 | 2478.1 | 2744.6 | 2956.7 |
| 42.5° | 885.7  | 997.3  | 1129.9 | 1289.8 | 1479.8 | 1715.1 | 1990.6 | 2303.2 | 2623.9 | 2953.7 | 3265.3 |
| 45°   | 817.3  | 940.0  | 1079.7 | 1251.6 | 1462.8 | 1725.2 | 2033.8 | 2384.7 | 2754.6 | 3154.7 | 3534.7 |
| 47.5° | 756.0  | 880.6  | 1016.4 | 1204.4 | 1437.6 | 1730.2 | 2076.0 | 2466.0 | 2878.2 | 3311.5 | 3762.9 |
| 50°   | 700.7  | 821.3  | 955.0  | 1144.0 | 1398.4 | 1727.2 | 2114.2 | 2539.5 | 2984.8 | 3435.2 | 3938.9 |
| 52.5° | 646.4  | 769.1  | 905.8  | 1085.7 | 1350.2 | 1710.1 | 2132.3 | 2599.8 | 3083.3 | 3559.9 | 4080.6 |
| 55°   | 593.2  | 713.8  | 851.5  | 1030.5 | 1286.8 | 1665.8 | 2130.3 | 2639.0 | 3161.8 | 3677.5 | 4217.3 |
| 57.5° | 530.8  | 645.4  | 780.1  | 969.1  | 1219.5 | 1597.4 | 2100.1 | 2657.1 | 3229.1 | 3794.1 | 4381.2 |
| 60°   | 453.4  | 560.9  | 690.7  | 879.7  | 1131.0 | 1509.9 | 2036.8 | 2647.0 | 3268.3 | 3880.5 | 4520.9 |
| 62.5° | 357.9  | 451.4  | 570.1  | 755.0  | 1020.4 | 1384.4 | 1918.1 | 2555.5 | 3206.0 | 3868.5 | 4586.3 |
| 63°   | 337.8  | 426.2  | 541.9  | 724.9  | 973.2  | 1350.2 | 1883.0 | 2519.4 | 3175.9 | 3843.3 | 4577.2 |
| 65°   | 271.4  | 328.7  | 421.2  | 585.1  | 814.3  | 1182.3 | 1708.1 | 2333.4 | 3014.0 | 3666.4 | 4446.5 |
| 67.5° | 208.1  | 237.3  | 286.5  | 401.1  | 576.1  | 929.9  | 1383.3 | 1977.5 | 2615.9 | 3229.1 | 4025.3 |
| 70°   | 177.9  | 191.0  | 212.1  | 266.4  | 365.9  | 587.2  | 971.2  | 1474.8 | 2027.8 | 2559.6 | 3275.3 |
| 72.5° | 161.9  | 167.9  | 179.0  | 202.1  | 251.3  | 351.8  | 619.3  | 960.1  | 1379.3 | 1824.7 | 2377.6 |
| 75°   | 148.8  | 153.8  | 162.9  | 174.9  | 193.1  | 234.2  | 352.8  | 587.2  | 896.8  | 1198.3 | 1604.5 |
| 77.5° | 135.8  | 138.8  | 148.8  | 159.9  | 171.9  | 193.1  | 233.3  | 337.8  | 515.8  | 706.7  | 967.2  |
| 80°   | 124.7  | 122.7  | 129.6  | 147.8  | 159.9  | 171.9  | 183.9  | 219.2  | 293.6  | 387.0  | 522.8  |
| 82.5° | 99.5   | 101.6  | 107.6  | 125.7  | 130.7  | 127.7  | 129.6  | 135.8  | 163.8  | 179.0  | 267.5  |
| 85°   | 67.4   | 62.3   | 61.3   | 63.3   | 63.3   | 60.3   | 60.3   | 59.3   | 65.4   | 74.4   | 127.7  |
| 87.5° | 18.1   | 9.0    | 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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REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 0°    |
| 2.5°  | 1051.6 | 1050.6 | 1051.6 | 1046.5 | 1046.5 | 1045.5 | 1044.6 | 1042.5 | 1042.5 | 1038.5 | 1041.6 | 2.5°  |
| 5°    | 1071.7 | 1069.6 | 1065.6 | 1059.6 | 1056.6 | 1052.5 | 1052.5 | 1048.6 | 1045.5 | 1041.6 | 1042.5 | 5°    |
| 7.5°  | 1094.8 | 1095.9 | 1088.8 | 1083.7 | 1081.8 | 1077.7 | 1078.8 | 1072.6 | 1073.7 | 1070.7 | 1068.7 | 7.5°  |
| 10°   | 1107.9 | 1107.9 | 1109.8 | 1108.9 | 1110.9 | 1110.9 | 1113.9 | 1109.8 | 1107.9 | 1104.9 | 1104.9 | 10°   |
| 12.5° | 1129.0 | 1133.0 | 1141.0 | 1141.0 | 1147.0 | 1149.1 | 1150.1 | 1152.1 | 1148.1 | 1146.1 | 1139.1 | 12.5° |
| 15°   | 1181.2 | 1191.3 | 1198.3 | 1208.4 | 1220.4 | 1224.5 | 1224.5 | 1220.4 | 1218.4 | 1215.4 | 1202.4 | 15°   |
| 17.5° | 1267.7 | 1289.8 | 1295.9 | 1311.9 | 1314.0 | 1319.0 | 1333.1 | 1325.0 | 1320.0 | 1298.9 | 1294.8 | 17.5° |
| 20°   | 1356.2 | 1384.4 | 1412.4 | 1432.5 | 1442.6 | 1462.8 | 1465.8 | 1461.8 | 1441.7 | 1421.6 | 1412.4 | 20°   |
| 22.5° | 1462.8 | 1505.0 | 1537.1 | 1568.3 | 1583.4 | 1593.5 | 1615.5 | 1610.6 | 1594.4 | 1564.2 | 1552.2 | 22.5° |
| 25°   | 1613.6 | 1665.8 | 1700.0 | 1738.2 | 1758.3 | 1768.4 | 1790.5 | 1790.5 | 1773.4 | 1764.4 | 1763.3 | 25°   |
| 27.5° | 1803.5 | 1867.9 | 1924.1 | 1937.3 | 1989.5 | 2001.6 | 2022.7 | 2022.7 | 2006.6 | 1995.5 | 2048.8 | 27.5° |
| 30°   | 2014.7 | 2082.1 | 2179.6 | 2244.9 | 2308.2 | 2370.6 | 2369.5 | 2373.6 | 2392.6 | 2402.7 | 2425.8 | 30°   |
| 32.5° | 2225.8 | 2309.2 | 2412.7 | 2554.5 | 2690.3 | 2805.9 | 2955.6 | 3051.2 | 3022.0 | 2940.6 | 2908.4 | 32.5° |
| 35°   | 2482.2 | 2574.6 | 2700.3 | 2843.1 | 3091.4 | 3241.1 | 3313.6 | 3364.9 | 3370.9 | 3381.9 | 3405.1 | 35°   |
| 37.5° | 2767.7 | 2922.5 | 3068.3 | 3230.2 | 3367.9 | 3549.8 | 3717.7 | 3852.4 | 3883.5 | 3946.9 | 3910.7 | 37.5° |
| 40°   | 3128.6 | 3301.5 | 3454.3 | 3663.4 | 3848.4 | 4067.6 | 4307.8 | 4492.7 | 4567.2 | 4543.1 | 4362.1 | 40°   |
| 42.5° | 3506.5 | 3720.7 | 3899.7 | 4146.0 | 4386.2 | 4675.8 | 4924.0 | 5182.5 | 5228.7 | 5042.7 | 4772.2 | 42.5° |
| 45°   | 3854.4 | 4119.8 | 4342.0 | 4598.3 | 4891.9 | 5238.8 | 5570.5 | 5836.0 | 5826.8 | 5508.2 | 5146.2 | 45°   |
| 47.5° | 4167.0 | 4492.7 | 4764.2 | 5098.0 | 5413.7 | 5826.8 | 6207.9 | 6403.9 | 6288.3 | 5911.3 | 5468.0 | 47.5° |
| 50°   | 4425.4 | 4831.6 | 5166.3 | 5504.1 | 5905.3 | 6402.9 | 6769.8 | 6880.4 | 6657.3 | 6247.0 | 5780.6 | 50°   |
| 52.5° | 4633.6 | 5143.2 | 5519.3 | 5908.3 | 6415.0 | 6938.8 | 7254.4 | 7213.2 | 6924.7 | 6503.4 | 6039.0 | 52.5° |
| 55°   | 4809.4 | 5381.6 | 5829.8 | 6289.3 | 6917.6 | 7400.2 | 7610.3 | 7499.7 | 7096.6 | 6669.3 | 6216.0 | 55°   |
| 57.5° | 4991.4 | 5612.7 | 6115.4 | 6648.2 | 7347.9 | 7762.1 | 7878.8 | 7651.5 | 7178.0 | 6732.6 | 6292.3 | 57.5° |
| 60°   | 5173.4 | 5805.7 | 6367.8 | 6961.9 | 7673.7 | 8057.7 | 8025.5 | 7685.7 | 7153.9 | 6686.4 | 6241.0 | 60°   |
| 62.5° | 5296.1 | 5920.3 | 6514.5 | 7154.9 | 7917.9 | 8208.5 | 8011.4 | 7564.0 | 7014.2 | 6504.5 | 6088.3 | 62.5° |
| 63°   | 5299.1 | 5924.4 | 6523.5 | 7168.0 | 7945.1 | 8213.5 | 7984.2 | 7520.8 | 6969.9 | 6467.3 | 6043.0 | 63°   |
| 65°   | 5235.8 | 5849.0 | 6443.1 | 7108.6 | 7922.0 | 8097.9 | 7750.1 | 7265.5 | 6717.6 | 6209.8 | 5807.8 | 65°   |
| 67.5° | 4912.0 | 5537.3 | 6062.1 | 6689.4 | 7507.8 | 7558.0 | 7122.7 | 6731.6 | 6239.1 | 5713.3 | 5293.1 | 67.5° |
| 70°   | 4259.6 | 4779.3 | 5294.0 | 5817.8 | 6504.5 | 6495.4 | 6086.2 | 5887.2 | 5455.9 | 4856.7 | 4519.9 | 70°   |
| 72.5° | 3388.0 | 3854.4 | 4216.4 | 4567.2 | 5019.6 | 4928.1 | 4664.7 | 4720.0 | 4440.5 | 3993.2 | 3793.1 | 72.5° |
| 75°   | 2515.3 | 3028.1 | 3205.0 | 3347.8 | 3538.8 | 3539.8 | 3612.1 | 3768.9 | 3765.0 | 3516.6 | 3264.2 | 75°   |
| 77.5° | 1649.7 | 2210.7 | 2270.1 | 2384.7 | 2613.9 | 2925.5 | 3247.2 | 3593.1 | 3679.5 | 3483.4 | 3110.5 | 77.5° |
| 80°   | 919.9  | 1503.0 | 1434.6 | 1533.2 | 1780.4 | 2203.6 | 2678.1 | 3060.2 | 3285.4 | 3175.9 | 2780.7 | 80°   |
| 82.5° | 470.5  | 866.6  | 828.4  | 965.1  | 1165.2 | 1533.2 | 1846.7 | 2140.3 | 2405.7 | 2390.7 | 2240.8 | 82.5° |
| 85°   | 244.2  | 474.5  | 539.9  | 611.2  | 711.8  | 843.4  | 962.1  | 1047.6 | 1158.1 | 1353.2 | 1419.5 | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 0.0    | 72.3   | 52.2   | 143.7  | 205.1  | 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: P153314

NUMBER: VXS-F04-LED-E1-SLR-7030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 1042.5 | 1043.5 | 1041.6 | 1041.6 | 1042.5 | 1042.5 | 1040.5 |
| 1040.5 | 1040.5 | 1038.5 | 1036.5 | 1034.5 | 1034.5 | 1032.4 |
| 1063.6 | 1063.6 | 1056.6 | 1053.6 | 1048.6 | 1044.6 | 1042.5 |
| 1097.8 | 1091.8 | 1083.7 | 1077.7 | 1069.6 | 1060.6 | 1055.5 |
| 1132.0 | 1122.9 | 1112.8 | 1103.8 | 1093.8 | 1083.7 | 1078.8 |
| 1188.3 | 1176.3 | 1163.1 | 1152.1 | 1138.0 | 1122.9 | 1116.9 |
| 1274.7 | 1255.6 | 1238.5 | 1222.5 | 1197.3 | 1186.3 | 1174.2 |
| 1389.3 | 1361.2 | 1339.1 | 1311.9 | 1280.8 | 1270.8 | 1255.6 |
| 1528.1 | 1503.9 | 1459.7 | 1439.6 | 1408.5 | 1393.4 | 1396.4 |
| 1739.2 | 1708.1 | 1656.8 | 1637.7 | 1634.6 | 1601.5 | 1585.4 |
| 2014.7 | 2016.7 | 1969.4 | 1918.1 | 1890.1 | 1837.7 | 1771.4 |
| 2406.7 | 2379.6 | 2324.4 | 2272.0 | 2205.7 | 2107.2 | 1996.6 |
| 2881.2 | 2820.9 | 2729.4 | 2631.9 | 2514.3 | 2362.5 | 2207.7 |
| 3344.8 | 3239.2 | 3093.4 | 2930.6 | 2760.6 | 2571.6 | 2352.4 |
| 3751.9 | 3588.0 | 3369.8 | 3182.9 | 2942.6 | 2706.3 | 2439.0 |
| 4123.8 | 3920.7 | 3639.3 | 3397.0 | 3113.5 | 2809.8 | 2493.2 |
| 4483.7 | 4226.4 | 3881.6 | 3553.8 | 3233.2 | 2879.3 | 2519.4 |
| 4826.5 | 4494.8 | 4085.6 | 3695.5 | 3320.6 | 2924.5 | 2523.3 |
| 5089.9 | 4728.1 | 4268.6 | 3798.1 | 3380.9 | 2958.7 | 2523.3 |
| 5334.3 | 4925.1 | 4408.4 | 3878.5 | 3437.2 | 2981.8 | 2525.4 |
| 5524.2 | 5063.8 | 4498.9 | 3935.9 | 3481.5 | 2998.9 | 2534.4 |
| 5662.0 | 5154.3 | 4559.2 | 3971.0 | 3513.6 | 3023.0 | 2554.5 |
| 5758.5 | 5213.6 | 4592.3 | 4002.2 | 3552.8 | 3065.3 | 2610.8 |
| 5804.8 | 5323.2 | 4647.6 | 4064.6 | 3620.2 | 3154.7 | 2723.4 |
| 5769.5 | 5493.1 | 4805.5 | 4170.1 | 3713.7 | 3294.4 | 2903.4 |
| 5754.5 | 5524.2 | 4848.7 | 4193.2 | 3734.8 | 3324.6 | 2965.7 |
| 5636.9 | 5555.4 | 5026.6 | 4309.8 | 3835.3 | 3458.3 | 3139.6 |
| 5271.9 | 5432.7 | 5176.4 | 4506.8 | 4051.5 | 3783.0 | 3464.4 |
| 4799.4 | 5250.8 | 5149.2 | 4532.0 | 4189.2 | 4049.4 | 3669.4 |
| 4233.5 | 4700.9 | 4606.4 | 4197.2 | 4037.4 | 4052.4 | 3616.2 |
| 3331.6 | 3682.5 | 3620.2 | 3476.4 | 3508.6 | 3619.2 | 3097.4 |
| 2669.1 | 2621.9 | 2478.1 | 2488.2 | 2674.2 | 2803.8 | 2229.8 |
| 2180.5 | 1765.4 | 1578.3 | 1583.4 | 1908.1 | 2042.8 | 1420.5 |
| 2075.0 | 1669.8 | 1360.2 | 1188.3 | 1388.4 | 1337.1 | 742.0  |
| 1477.8 | 1480.8 | 1228.5 | 998.2  | 967.2  | 822.4  | 462.5  |
| 349.8  | 280.5  | 200.1  | 148.8  | 156.8  | 103.5  | 52.2   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)