

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: P153298

Luminaire Tested: **VXS-E03-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153298  
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-E03-LED-E1-SLR-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7045.1 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2  
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



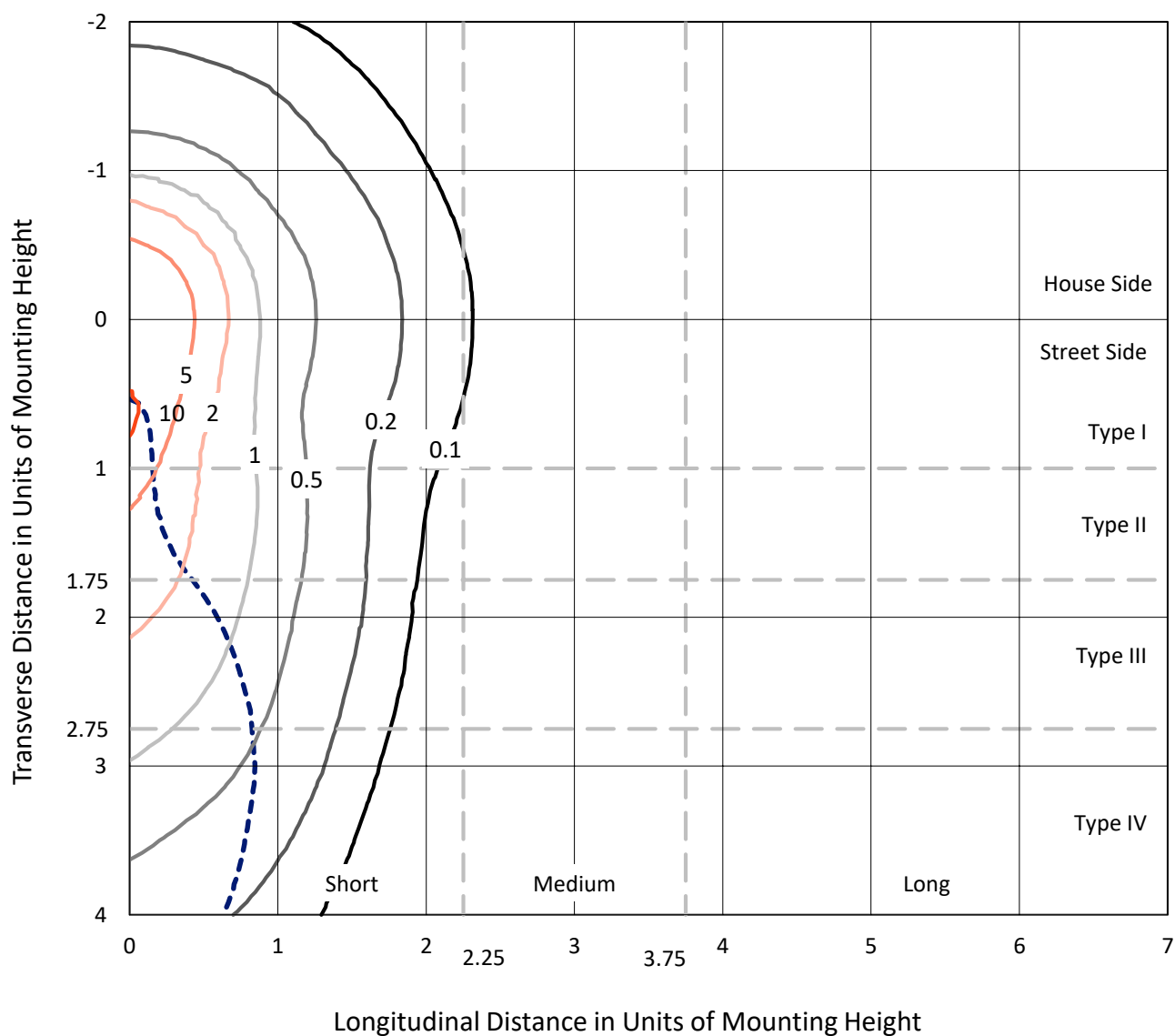
REPORT NUMBER: P153298

CATALOG NUMBER: VXS-E03-LED-E1-SLR-8030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

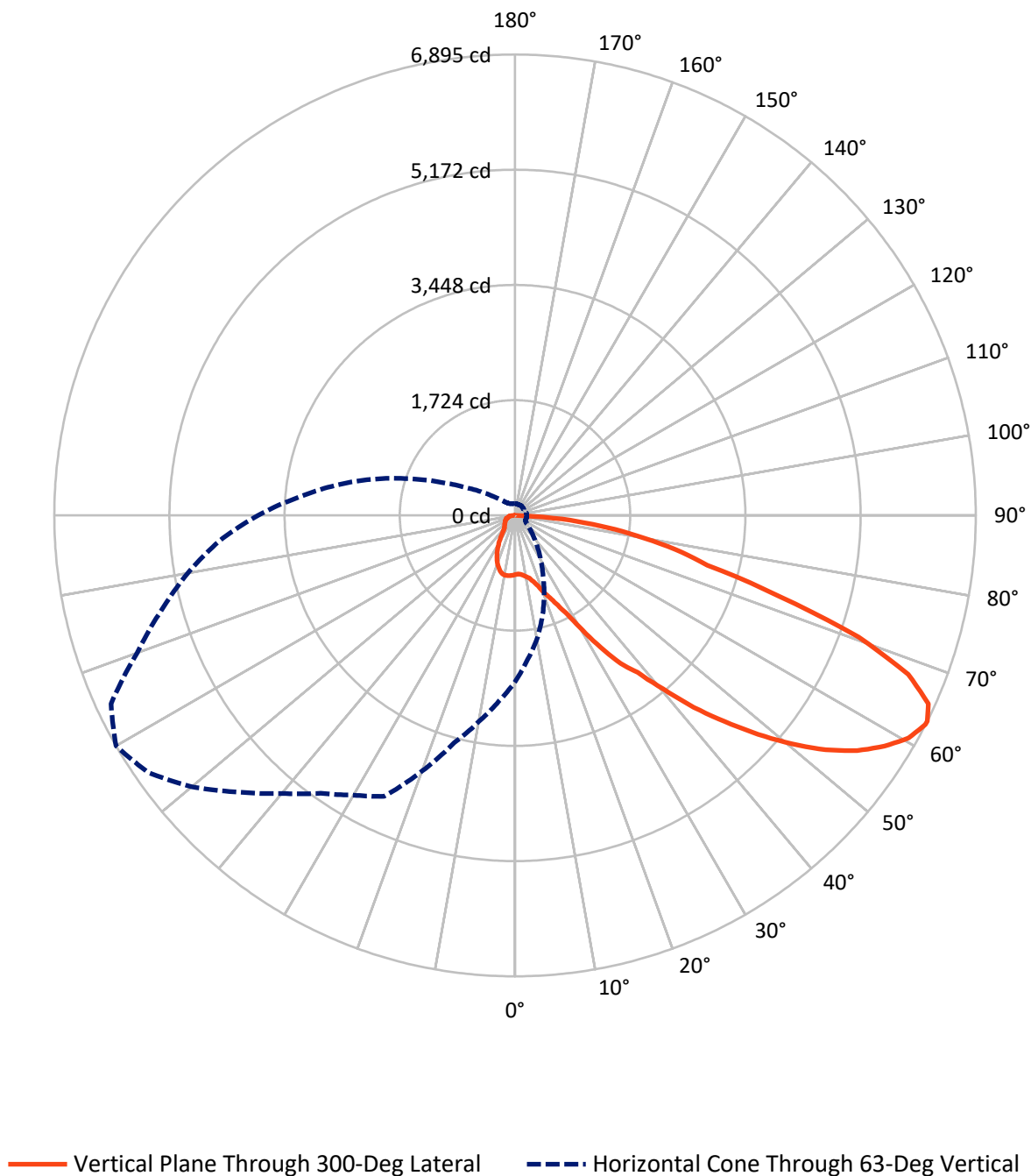


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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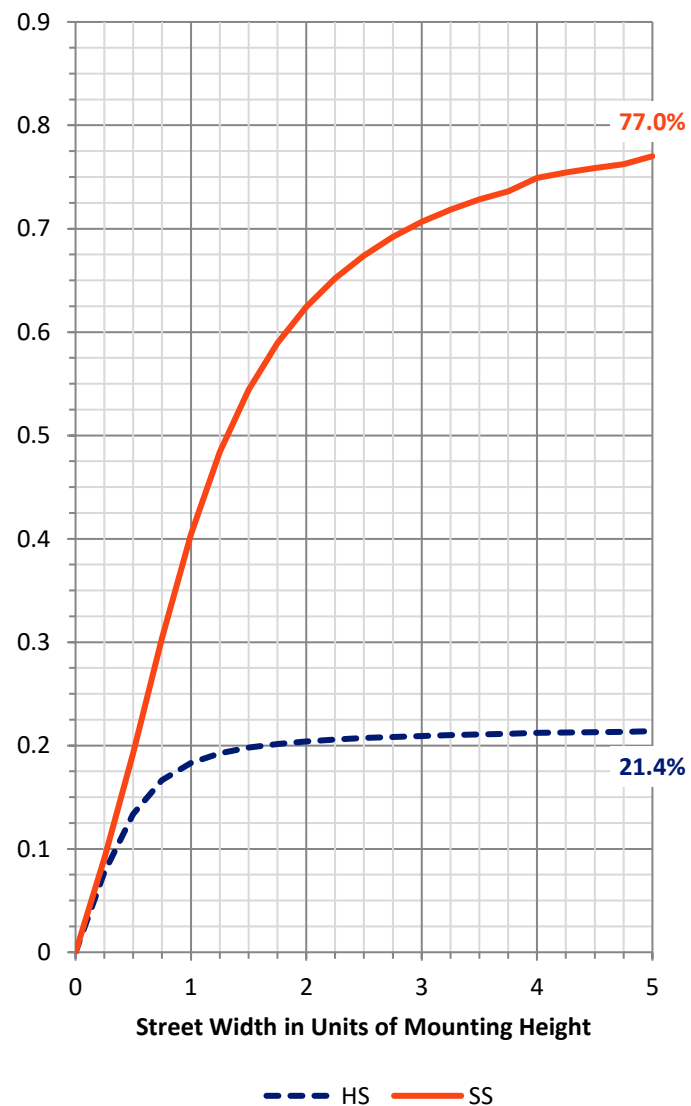
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1527.7   | 0.0    | 1527.7 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 5517.4   | 0.0    | 5517.4 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 7045.1   | 0.0    | 7045.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.2   | 1.2       |
| 10°-20°   | 268.4  | 3.8       |
| 20°-30°   | 476.9  | 6.8       |
| 30°-40°   | 750.9  | 10.7      |
| 40°-50°   | 1105.1 | 15.7      |
| 50°-60°   | 1467.9 | 20.8      |
| 60°-70°   | 1616.9 | 23.0      |
| 70°-80°   | 1014.4 | 14.4      |
| 80°-90°   | 258.4  | 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°    | 7045.1 | 100.0     |
| 0°-180°   | 7045.1 | 100.0     |

**Coefficient of Utilization**



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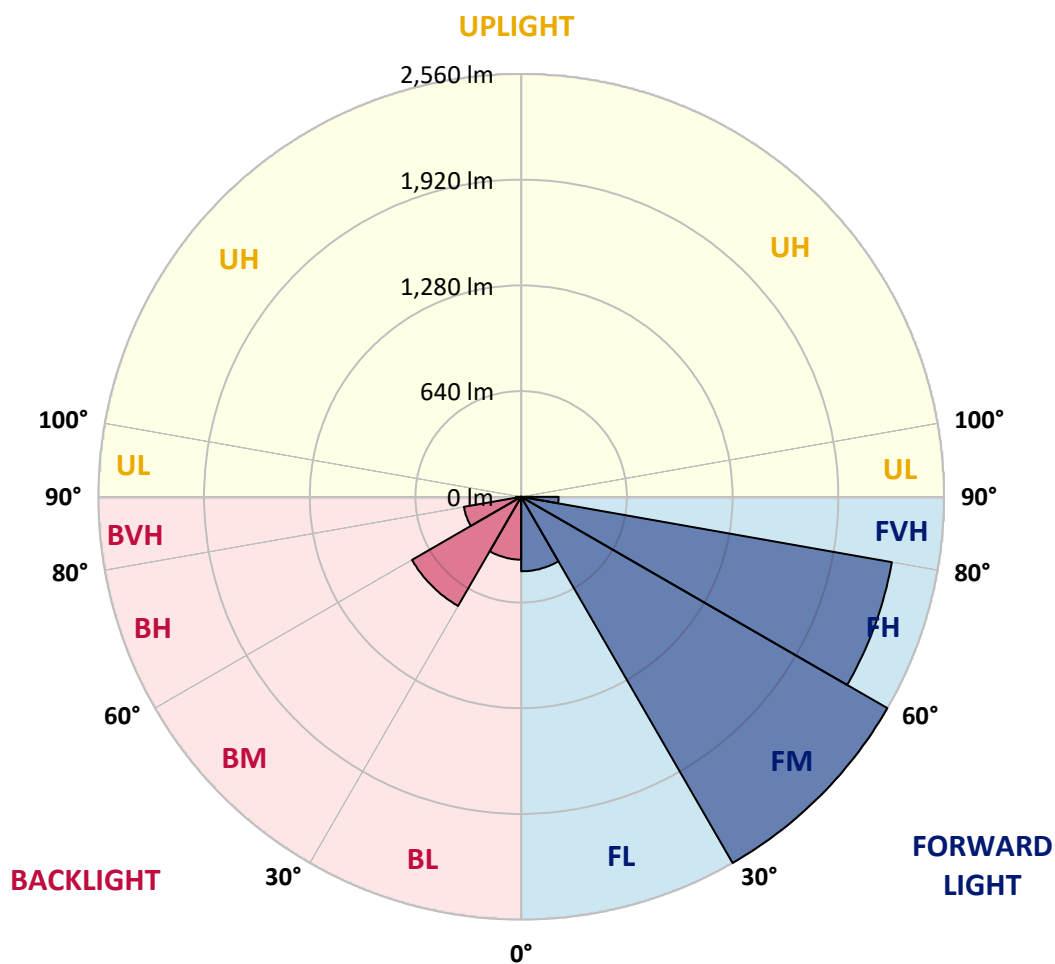
CATALOG NUMBER: VXS-E03-LED-E1-SLR-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 451.1  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 2560.4 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 2279.2 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 226.7  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 380.3  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 763.6  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 352.1  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 31.6   | 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°    | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4 | 885.4 | 885.4 | 885.4 |
| 2.5°  | 873.6  | 876.1  | 875.2  | 875.2  | 876.9  | 876.1  | 876.1  | 876.9 | 876.9 | 879.5 | 882.8 |
| 5°    | 866.7  | 865.9  | 864.2  | 865.9  | 865.9  | 865.9  | 862.6  | 865.1 | 865.9 | 867.7 | 867.7 |
| 7.5°  | 875.2  | 872.6  | 869.3  | 870.2  | 870.2  | 868.5  | 865.9  | 866.7 | 865.9 | 865.9 | 865.1 |
| 10°   | 886.2  | 880.3  | 876.1  | 876.1  | 876.1  | 874.4  | 870.2  | 872.6 | 872.6 | 871.8 | 872.6 |
| 12.5° | 905.6  | 898.9  | 893.8  | 892.1  | 892.1  | 889.5  | 886.2  | 889.5 | 887.9 | 887.9 | 886.2 |
| 15°   | 937.7  | 930.1  | 924.1  | 919.1  | 920.0  | 920.0  | 915.8  | 913.2 | 909.8 | 905.6 | 897.2 |
| 17.5° | 985.8  | 977.3  | 969.7  | 965.5  | 966.3  | 960.4  | 948.6  | 936.8 | 920.8 | 904.8 | 887.0 |
| 20°   | 1054.1 | 1051.6 | 1041.5 | 1037.3 | 1027.2 | 1012.7 | 979.9  | 952.0 | 920.8 | 890.4 | 860.0 |
| 22.5° | 1172.3 | 1160.5 | 1150.4 | 1134.3 | 1100.5 | 1060.9 | 1006.0 | 957.1 | 908.1 | 865.1 | 824.6 |
| 25°   | 1331.0 | 1309.8 | 1260.1 | 1211.1 | 1142.0 | 1071.0 | 996.8  | 933.5 | 872.6 | 816.2 | 766.3 |
| 27.5° | 1487.2 | 1423.0 | 1334.3 | 1245.7 | 1144.5 | 1051.6 | 958.8  | 883.6 | 812.7 | 751.2 | 696.3 |
| 30°   | 1676.2 | 1568.2 | 1432.2 | 1292.1 | 1148.7 | 1023.7 | 912.3  | 824.6 | 742.7 | 677.7 | 620.3 |
| 32.5° | 1853.4 | 1697.3 | 1519.2 | 1335.2 | 1157.9 | 997.6  | 859.2  | 759.6 | 675.2 | 593.4 | 536.8 |
| 35°   | 1974.9 | 1772.3 | 1556.3 | 1339.4 | 1135.1 | 947.8  | 792.5  | 675.2 | 590.8 | 514.8 | 448.2 |
| 37.5° | 2047.6 | 1805.3 | 1558.0 | 1309.0 | 1082.0 | 880.3  | 708.1  | 591.6 | 514.0 | 441.5 | 389.1 |
| 40°   | 2093.1 | 1812.8 | 1536.1 | 1265.2 | 1014.5 | 795.0  | 623.7  | 519.1 | 448.2 | 389.9 | 349.4 |
| 42.5° | 2115.0 | 1801.0 | 1500.6 | 1209.4 | 946.1  | 719.1  | 564.7  | 465.9 | 404.2 | 362.9 | 332.5 |
| 45°   | 2118.4 | 1780.0 | 1462.6 | 1158.8 | 885.4  | 664.2  | 524.1  | 443.9 | 393.3 | 358.7 | 328.3 |
| 47.5° | 2118.4 | 1761.5 | 1432.2 | 1121.7 | 845.7  | 640.6  | 520.7  | 453.3 | 403.4 | 364.6 | 328.3 |
| 50°   | 2120.1 | 1755.5 | 1419.6 | 1103.1 | 832.1  | 653.3  | 549.4  | 482.0 | 425.4 | 374.7 | 327.5 |
| 52.5° | 2127.7 | 1763.1 | 1429.7 | 1117.4 | 856.7  | 703.9  | 603.4  | 525.0 | 454.1 | 386.5 | 327.5 |
| 55°   | 2144.6 | 1788.4 | 1472.7 | 1167.3 | 922.5  | 780.7  | 668.4  | 571.4 | 476.9 | 391.6 | 322.4 |
| 57.5° | 2191.8 | 1852.5 | 1551.3 | 1263.4 | 1034.7 | 869.3  | 727.6  | 604.2 | 485.3 | 387.4 | 312.2 |
| 60°   | 2286.3 | 1980.0 | 1685.5 | 1398.4 | 1153.8 | 945.3  | 762.1  | 609.3 | 477.7 | 373.9 | 296.3 |
| 62.5° | 2437.4 | 2126.0 | 1848.3 | 1545.4 | 1259.3 | 987.5  | 766.3  | 596.7 | 457.4 | 349.4 | 272.6 |
| 63°   | 2489.7 | 2162.3 | 1882.9 | 1573.2 | 1272.7 | 990.9  | 763.0  | 591.6 | 452.3 | 342.7 | 269.2 |
| 65°   | 2635.8 | 2315.0 | 2002.8 | 1671.1 | 1310.7 | 991.7  | 744.4  | 566.3 | 428.7 | 316.5 | 245.6 |
| 67.5° | 2908.4 | 2516.0 | 2153.9 | 1747.9 | 1324.2 | 964.7  | 697.1  | 519.1 | 379.0 | 276.0 | 216.1 |
| 70°   | 3080.5 | 2628.2 | 2212.1 | 1749.6 | 1284.6 | 887.9  | 615.2  | 442.3 | 315.6 | 228.7 | 185.7 |
| 72.5° | 3035.9 | 2517.6 | 2058.4 | 1591.8 | 1113.3 | 741.9  | 494.6  | 347.8 | 246.4 | 183.1 | 154.4 |
| 75°   | 2600.3 | 2095.6 | 1679.6 | 1233.1 | 841.5  | 545.2  | 362.1  | 248.1 | 182.3 | 143.5 | 129.1 |
| 77.5° | 1872.0 | 1508.2 | 1204.4 | 878.5  | 567.2  | 352.7  | 240.5  | 177.2 | 138.4 | 118.1 | 106.3 |
| 80°   | 1192.5 | 884.5  | 736.8  | 528.3  | 331.7  | 218.5  | 165.4  | 134.2 | 114.0 | 98.8  | 91.2  |
| 82.5° | 622.9  | 436.4  | 354.5  | 270.1  | 184.0  | 144.4  | 121.6  | 109.7 | 93.7  | 81.9  | 77.6  |
| 85°   | 388.2  | 257.4  | 190.8  | 133.4  | 92.0   | 82.7   | 76.0   | 74.3  | 66.6  | 59.1  | 56.6  |
| 87.5° | 43.9   | 39.7   | 41.3   | 26.1   | 19.4   | 21.1   | 20.2   | 27.0  | 26.1  | 19.4  | 20.2  |
| 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°    | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 |
| 2.5°  | 879.5 | 881.1 | 881.1 | 883.6 | 883.6 | 885.4 | 887.0 | 887.0 | 888.7 | 889.5 | 891.3 |
| 5°    | 869.3 | 869.3 | 869.3 | 872.6 | 873.6 | 878.5 | 880.3 | 882.0 | 883.6 | 889.5 | 893.0 |
| 7.5°  | 866.7 | 863.4 | 865.1 | 865.1 | 867.7 | 871.8 | 876.1 | 878.5 | 881.1 | 888.7 | 893.8 |
| 10°   | 871.8 | 869.3 | 866.7 | 866.7 | 867.7 | 869.3 | 872.6 | 875.2 | 876.9 | 884.5 | 888.7 |
| 12.5° | 885.4 | 879.5 | 874.4 | 870.2 | 866.7 | 865.9 | 864.2 | 865.1 | 866.7 | 871.0 | 876.9 |
| 15°   | 887.9 | 876.9 | 865.9 | 854.9 | 846.5 | 841.5 | 837.2 | 835.5 | 835.5 | 838.1 | 844.9 |
| 17.5° | 871.0 | 852.4 | 836.4 | 822.1 | 812.7 | 803.5 | 799.3 | 795.9 | 794.2 | 797.6 | 798.4 |
| 20°   | 834.7 | 812.7 | 790.8 | 774.0 | 757.1 | 754.5 | 747.8 | 749.4 | 751.2 | 756.2 | 758.8 |
| 22.5° | 784.9 | 758.8 | 731.7 | 714.0 | 700.5 | 688.7 | 681.1 | 684.5 | 687.0 | 692.1 | 694.6 |
| 25°   | 724.1 | 686.1 | 657.5 | 639.8 | 625.4 | 615.2 | 606.8 | 610.2 | 606.8 | 612.7 | 622.1 |
| 27.5° | 652.4 | 607.7 | 577.3 | 557.0 | 546.9 | 538.4 | 530.1 | 530.1 | 538.4 | 538.4 | 546.0 |
| 30°   | 565.5 | 532.5 | 492.8 | 471.8 | 459.2 | 454.1 | 453.3 | 451.5 | 457.4 | 460.8 | 469.2 |
| 32.5° | 483.6 | 443.1 | 405.1 | 384.9 | 373.9 | 368.0 | 368.8 | 369.6 | 372.2 | 377.3 | 390.8 |
| 35°   | 400.9 | 365.5 | 338.4 | 315.6 | 304.7 | 293.7 | 293.7 | 292.0 | 294.5 | 300.4 | 316.5 |
| 37.5° | 347.8 | 316.5 | 295.4 | 277.7 | 266.7 | 260.0 | 254.0 | 251.5 | 251.5 | 254.0 | 260.0 |
| 40°   | 318.1 | 295.4 | 276.0 | 260.8 | 250.7 | 244.8 | 241.3 | 238.9 | 237.2 | 237.2 | 238.0 |
| 42.5° | 304.7 | 281.0 | 261.7 | 248.1 | 240.5 | 237.2 | 236.3 | 235.4 | 233.0 | 232.1 | 231.3 |
| 45°   | 297.9 | 270.9 | 249.0 | 238.0 | 232.1 | 230.4 | 231.3 | 231.3 | 230.4 | 228.7 | 225.4 |
| 47.5° | 292.8 | 261.7 | 239.7 | 229.5 | 227.0 | 227.0 | 227.0 | 227.0 | 226.2 | 225.4 | 222.8 |
| 50°   | 284.5 | 247.3 | 223.6 | 216.1 | 214.4 | 214.4 | 215.2 | 215.2 | 216.9 | 215.2 | 213.6 |
| 52.5° | 275.1 | 233.8 | 210.2 | 203.4 | 202.6 | 201.8 | 201.8 | 201.8 | 202.6 | 202.6 | 201.8 |
| 55°   | 265.0 | 223.6 | 203.4 | 198.3 | 199.2 | 198.3 | 197.5 | 196.7 | 196.7 | 195.9 | 194.1 |
| 57.5° | 254.9 | 215.2 | 198.3 | 194.9 | 195.9 | 195.9 | 194.1 | 192.4 | 191.6 | 189.0 | 187.4 |
| 60°   | 239.7 | 203.4 | 188.2 | 186.5 | 189.0 | 189.0 | 189.0 | 188.2 | 188.2 | 187.4 | 183.1 |
| 62.5° | 219.5 | 186.5 | 174.7 | 175.5 | 176.4 | 178.0 | 178.0 | 178.0 | 178.0 | 176.4 | 172.1 |
| 63°   | 215.2 | 183.1 | 172.1 | 172.1 | 174.7 | 174.7 | 175.5 | 174.7 | 175.5 | 173.9 | 168.8 |
| 65°   | 198.3 | 172.1 | 163.7 | 164.6 | 166.2 | 166.2 | 166.2 | 165.4 | 165.4 | 162.9 | 160.3 |
| 67.5° | 179.0 | 158.7 | 153.6 | 154.4 | 155.3 | 157.0 | 156.2 | 156.2 | 157.0 | 155.3 | 152.7 |
| 70°   | 157.0 | 144.4 | 140.9 | 141.8 | 142.6 | 142.6 | 141.8 | 141.8 | 142.6 | 140.9 | 138.4 |
| 72.5° | 140.1 | 135.0 | 132.5 | 132.5 | 130.8 | 130.8 | 129.1 | 128.3 | 127.5 | 127.5 | 124.9 |
| 75°   | 118.1 | 117.3 | 118.1 | 119.9 | 118.1 | 116.5 | 115.6 | 113.1 | 111.4 | 111.4 | 110.6 |
| 77.5° | 101.2 | 101.2 | 103.0 | 105.5 | 106.3 | 106.3 | 103.8 | 99.6  | 98.8  | 98.8  | 98.8  |
| 80°   | 87.8  | 86.1  | 86.1  | 88.6  | 91.2  | 90.3  | 86.1  | 81.9  | 81.9  | 86.1  | 86.9  |
| 82.5° | 76.8  | 76.8  | 74.3  | 75.1  | 74.3  | 73.5  | 69.2  | 66.6  | 65.8  | 69.2  | 72.5  |
| 85°   | 60.7  | 61.7  | 60.7  | 59.9  | 59.1  | 56.6  | 53.2  | 50.7  | 49.8  | 53.2  | 58.2  |
| 87.5° | 24.5  | 23.6  | 22.8  | 23.6  | 22.8  | 24.5  | 23.6  | 22.0  | 21.1  | 23.6  | 28.7  |
| 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°    | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 |
| 2.5°  | 892.1 | 893.8 | 895.4 | 895.4 | 897.2 | 896.3 | 897.2 | 898.0 | 898.0 | 898.9 | 898.9 |
| 5°    | 897.2 | 899.7 | 903.1 | 906.4 | 907.3 | 909.8 | 912.3 | 910.7 | 913.2 | 916.6 | 916.6 |
| 7.5°  | 898.9 | 904.8 | 907.3 | 912.3 | 913.2 | 916.6 | 922.5 | 918.2 | 923.3 | 925.9 | 926.7 |
| 10°   | 896.3 | 902.2 | 906.4 | 912.3 | 914.9 | 920.8 | 926.7 | 925.0 | 930.9 | 935.1 | 936.0 |
| 12.5° | 881.1 | 887.0 | 896.3 | 904.8 | 911.5 | 920.8 | 931.8 | 928.4 | 936.8 | 941.9 | 944.5 |
| 15°   | 851.6 | 857.5 | 867.7 | 881.1 | 893.8 | 908.1 | 922.5 | 925.0 | 933.5 | 939.4 | 941.9 |
| 17.5° | 805.2 | 812.7 | 823.7 | 838.1 | 854.1 | 878.5 | 897.2 | 906.4 | 918.2 | 921.7 | 925.9 |
| 20°   | 762.1 | 769.7 | 776.5 | 784.9 | 796.7 | 820.3 | 844.9 | 863.4 | 878.5 | 891.3 | 894.6 |
| 22.5° | 704.8 | 711.5 | 719.9 | 726.6 | 735.1 | 752.0 | 772.2 | 793.4 | 817.0 | 824.6 | 833.1 |
| 25°   | 635.5 | 639.8 | 651.6 | 655.8 | 661.7 | 676.1 | 692.1 | 707.3 | 730.1 | 746.1 | 750.3 |
| 27.5° | 561.2 | 565.5 | 576.5 | 579.0 | 586.5 | 600.1 | 611.9 | 617.8 | 638.9 | 655.8 | 669.3 |
| 30°   | 475.1 | 486.1 | 499.7 | 501.3 | 509.7 | 518.2 | 529.2 | 535.1 | 554.5 | 572.2 | 589.1 |
| 32.5° | 400.9 | 411.9 | 422.8 | 429.6 | 433.8 | 440.5 | 451.5 | 457.4 | 476.1 | 492.0 | 508.9 |
| 35°   | 325.0 | 338.4 | 350.3 | 359.6 | 362.9 | 371.4 | 379.8 | 385.7 | 405.1 | 419.5 | 431.3 |
| 37.5° | 267.6 | 277.7 | 290.4 | 299.6 | 308.9 | 314.8 | 325.0 | 333.4 | 345.2 | 352.7 | 365.5 |
| 40°   | 239.7 | 244.8 | 251.5 | 259.1 | 266.7 | 273.5 | 281.0 | 287.8 | 295.4 | 305.5 | 314.0 |
| 42.5° | 230.4 | 231.3 | 231.3 | 233.8 | 238.0 | 241.3 | 248.1 | 253.2 | 258.2 | 265.9 | 270.1 |
| 45°   | 223.6 | 222.8 | 221.1 | 219.5 | 220.3 | 222.0 | 226.2 | 229.5 | 235.4 | 238.9 | 239.7 |
| 47.5° | 220.3 | 216.9 | 213.6 | 211.0 | 210.2 | 211.0 | 214.4 | 217.7 | 221.1 | 223.6 | 224.5 |
| 50°   | 209.3 | 206.7 | 201.8 | 198.3 | 196.7 | 198.3 | 202.6 | 204.2 | 207.7 | 210.2 | 211.0 |
| 52.5° | 198.3 | 194.9 | 191.6 | 188.2 | 188.2 | 189.0 | 192.4 | 195.9 | 199.2 | 200.0 | 201.8 |
| 55°   | 191.6 | 186.5 | 183.1 | 180.6 | 179.0 | 181.5 | 184.0 | 188.2 | 192.4 | 193.3 | 194.9 |
| 57.5° | 184.9 | 179.8 | 176.4 | 173.9 | 172.1 | 174.7 | 177.2 | 183.1 | 188.2 | 188.2 | 188.2 |
| 60°   | 180.6 | 176.4 | 171.3 | 168.8 | 166.2 | 168.8 | 172.1 | 178.0 | 183.1 | 182.3 | 181.5 |
| 62.5° | 168.8 | 164.6 | 162.1 | 162.1 | 159.5 | 163.7 | 167.2 | 173.9 | 174.7 | 173.1 | 171.3 |
| 63°   | 165.4 | 162.1 | 160.3 | 160.3 | 158.7 | 162.9 | 166.2 | 172.1 | 172.1 | 170.5 | 168.8 |
| 65°   | 157.0 | 154.4 | 152.7 | 154.4 | 154.4 | 158.7 | 159.5 | 163.7 | 162.9 | 160.3 | 159.5 |
| 67.5° | 150.3 | 148.5 | 146.8 | 146.8 | 146.8 | 147.7 | 148.5 | 150.3 | 149.4 | 148.5 | 149.4 |
| 70°   | 139.3 | 138.4 | 136.7 | 136.7 | 135.9 | 135.9 | 135.9 | 136.7 | 136.7 | 137.6 | 138.4 |
| 72.5° | 125.8 | 124.0 | 124.0 | 124.9 | 123.2 | 124.0 | 124.9 | 124.0 | 125.8 | 125.8 | 126.6 |
| 75°   | 110.6 | 109.7 | 111.4 | 113.1 | 112.2 | 112.2 | 113.1 | 113.1 | 114.0 | 114.0 | 114.8 |
| 77.5° | 98.8  | 99.6  | 100.4 | 102.1 | 103.0 | 103.0 | 103.0 | 102.1 | 103.0 | 103.0 | 103.8 |
| 80°   | 87.8  | 89.4  | 91.2  | 92.8  | 93.7  | 93.7  | 93.7  | 92.8  | 92.8  | 92.8  | 92.8  |
| 82.5° | 79.4  | 81.9  | 83.5  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 82.7  | 81.0  |
| 85°   | 66.6  | 71.7  | 71.7  | 72.5  | 70.1  | 68.4  | 66.6  | 67.6  | 68.4  | 65.0  | 64.1  |
| 87.5° | 33.8  | 33.8  | 35.4  | 37.1  | 38.0  | 38.0  | 43.0  | 40.5  | 39.7  | 38.9  | 37.1  |
| 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):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°   | 210°   | 215°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4 | 885.4  | 885.4  | 885.4  |
| 2.5°  | 899.7 | 898.9 | 900.5 | 898.9 | 899.7 | 900.5 | 898.9 | 901.3 | 903.1  | 900.5  | 898.0  |
| 5°    | 918.2 | 918.2 | 922.5 | 924.1 | 925.0 | 930.1 | 927.6 | 929.2 | 930.9  | 930.1  | 930.9  |
| 7.5°  | 930.1 | 933.5 | 937.7 | 941.9 | 942.7 | 946.9 | 946.1 | 948.6 | 950.4  | 954.5  | 954.5  |
| 10°   | 940.2 | 944.5 | 950.4 | 954.5 | 958.8 | 962.2 | 963.8 | 968.9 | 969.7  | 973.2  | 973.2  |
| 12.5° | 949.5 | 954.5 | 960.4 | 967.3 | 971.4 | 978.1 | 979.1 | 986.6 | 989.1  | 990.1  | 987.5  |
| 15°   | 947.8 | 953.7 | 960.4 | 968.1 | 975.6 | 984.1 | 989.1 | 996.8 | 1000.9 | 1002.7 | 998.4  |
| 17.5° | 931.8 | 936.8 | 945.3 | 955.4 | 964.7 | 975.6 | 985.0 | 996.0 | 1002.7 | 1004.4 | 1003.5 |
| 20°   | 900.5 | 903.9 | 914.9 | 928.4 | 939.4 | 956.3 | 969.7 | 986.6 | 997.6  | 1006.0 | 1008.6 |
| 22.5° | 839.0 | 847.4 | 858.3 | 873.6 | 889.5 | 910.7 | 930.1 | 954.5 | 978.1  | 998.4  | 1018.7 |
| 25°   | 764.7 | 779.9 | 796.7 | 817.0 | 836.4 | 858.3 | 880.3 | 908.1 | 942.7  | 985.0  | 1033.1 |
| 27.5° | 689.5 | 715.8 | 736.8 | 763.0 | 785.8 | 807.7 | 832.1 | 862.6 | 900.5  | 951.2  | 1012.7 |
| 30°   | 613.6 | 643.1 | 665.9 | 696.3 | 726.6 | 756.2 | 780.7 | 812.7 | 849.9  | 901.3  | 968.9  |
| 32.5° | 532.5 | 562.1 | 589.1 | 617.0 | 650.7 | 686.1 | 715.8 | 755.3 | 795.0  | 848.2  | 916.6  |
| 35°   | 449.0 | 475.1 | 497.9 | 527.5 | 564.7 | 602.6 | 641.5 | 687.0 | 730.1  | 785.8  | 858.3  |
| 37.5° | 376.4 | 395.0 | 416.9 | 443.1 | 471.8 | 512.3 | 556.2 | 610.2 | 659.2  | 719.9  | 794.2  |
| 40°   | 316.5 | 326.6 | 339.3 | 361.2 | 387.4 | 427.0 | 470.1 | 527.5 | 586.5  | 653.3  | 725.0  |
| 42.5° | 270.1 | 275.1 | 278.5 | 292.8 | 314.0 | 352.7 | 394.1 | 449.8 | 514.8  | 587.5  | 660.0  |
| 45°   | 239.7 | 242.2 | 243.1 | 250.7 | 265.9 | 299.6 | 342.7 | 389.9 | 452.3  | 523.3  | 599.3  |
| 47.5° | 225.4 | 227.9 | 229.5 | 231.3 | 240.5 | 266.7 | 305.5 | 350.3 | 407.7  | 472.6  | 550.3  |
| 50°   | 213.6 | 216.1 | 218.5 | 217.7 | 222.0 | 238.9 | 271.8 | 313.2 | 367.2  | 427.0  | 503.8  |
| 52.5° | 201.8 | 203.4 | 203.4 | 203.4 | 205.9 | 216.9 | 240.5 | 278.5 | 328.3  | 384.9  | 460.8  |
| 55°   | 194.9 | 196.7 | 197.5 | 198.3 | 199.2 | 205.1 | 222.8 | 253.2 | 296.3  | 348.6  | 416.9  |
| 57.5° | 188.2 | 189.0 | 190.8 | 191.6 | 193.3 | 196.7 | 207.7 | 229.5 | 265.9  | 309.7  | 367.2  |
| 60°   | 182.3 | 184.0 | 187.4 | 188.2 | 189.9 | 190.8 | 195.9 | 209.3 | 233.0  | 266.7  | 313.2  |
| 62.5° | 173.1 | 175.5 | 179.0 | 179.8 | 181.5 | 182.3 | 183.1 | 190.8 | 201.8  | 222.0  | 256.6  |
| 63°   | 170.5 | 173.1 | 177.2 | 178.0 | 179.0 | 179.0 | 179.8 | 184.9 | 194.9  | 212.6  | 238.0  |
| 65°   | 161.2 | 164.6 | 167.2 | 168.0 | 168.8 | 168.8 | 168.0 | 169.6 | 170.5  | 178.0  | 193.3  |
| 67.5° | 151.1 | 153.6 | 155.3 | 156.2 | 155.3 | 156.2 | 155.3 | 153.6 | 151.9  | 153.6  | 160.3  |
| 70°   | 140.9 | 142.6 | 142.6 | 143.5 | 144.4 | 145.2 | 143.5 | 141.8 | 140.1  | 139.3  | 143.5  |
| 72.5° | 129.1 | 130.8 | 130.8 | 131.7 | 131.7 | 133.4 | 133.4 | 132.5 | 132.5  | 133.4  | 134.2  |
| 75°   | 117.3 | 119.0 | 118.1 | 119.9 | 119.9 | 122.4 | 122.4 | 123.2 | 124.9  | 124.0  | 123.2  |
| 77.5° | 106.3 | 107.2 | 107.2 | 108.0 | 108.9 | 113.1 | 115.6 | 116.5 | 116.5  | 114.8  | 113.1  |
| 80°   | 94.5  | 94.5  | 92.8  | 92.0  | 92.8  | 97.1  | 102.1 | 103.0 | 105.5  | 104.7  | 105.5  |
| 82.5° | 79.4  | 76.0  | 73.5  | 73.5  | 75.1  | 77.6  | 79.4  | 81.0  | 82.7   | 82.7   | 84.4   |
| 85°   | 60.7  | 57.4  | 54.8  | 55.8  | 58.2  | 59.1  | 58.2  | 58.2  | 61.7   | 64.1   | 61.7   |
| 87.5° | 36.3  | 33.0  | 31.2  | 28.7  | 29.5  | 32.0  | 31.2  | 28.7  | 29.5   | 23.6   | 22.0   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  |
| 2.5°  | 899.7  | 898.9  | 897.2  | 894.6  | 893.8  | 892.1  | 893.0  | 890.4  | 888.7  | 887.0  | 884.5  |
| 5°    | 930.9  | 930.9  | 925.9  | 925.9  | 923.3  | 922.5  | 916.6  | 914.1  | 909.0  | 910.7  | 904.8  |
| 7.5°  | 952.8  | 955.4  | 949.5  | 948.6  | 945.3  | 944.5  | 936.8  | 934.3  | 930.1  | 928.4  | 923.3  |
| 10°   | 968.9  | 968.9  | 961.3  | 955.4  | 951.2  | 946.9  | 939.4  | 936.0  | 932.6  | 933.5  | 930.1  |
| 12.5° | 981.6  | 975.6  | 964.7  | 956.3  | 950.4  | 946.1  | 940.2  | 937.7  | 936.8  | 942.7  | 943.6  |
| 15°   | 991.7  | 983.2  | 969.7  | 963.8  | 958.8  | 957.9  | 957.9  | 960.4  | 966.3  | 977.3  | 985.8  |
| 17.5° | 997.6  | 992.5  | 985.8  | 984.1  | 992.5  | 997.6  | 1004.4 | 1011.9 | 1020.4 | 1035.5 | 1044.9 |
| 20°   | 1008.6 | 1011.9 | 1017.0 | 1023.7 | 1037.3 | 1049.9 | 1058.3 | 1069.3 | 1079.5 | 1098.0 | 1113.3 |
| 22.5° | 1037.3 | 1056.7 | 1072.7 | 1086.2 | 1106.4 | 1124.1 | 1135.1 | 1150.4 | 1157.9 | 1170.6 | 1194.2 |
| 25°   | 1074.4 | 1114.1 | 1147.9 | 1176.5 | 1207.8 | 1226.3 | 1241.6 | 1260.9 | 1272.7 | 1293.9 | 1314.9 |
| 27.5° | 1063.4 | 1120.0 | 1170.6 | 1223.8 | 1266.8 | 1314.9 | 1348.7 | 1380.7 | 1401.0 | 1432.2 | 1460.1 |
| 30°   | 1029.6 | 1097.2 | 1165.6 | 1235.6 | 1303.9 | 1373.2 | 1437.3 | 1495.5 | 1540.3 | 1585.0 | 1630.6 |
| 32.5° | 984.1  | 1061.8 | 1145.3 | 1231.4 | 1320.8 | 1417.1 | 1505.7 | 1593.5 | 1667.8 | 1732.7 | 1796.1 |
| 35°   | 931.8  | 1019.6 | 1106.4 | 1212.8 | 1323.4 | 1445.8 | 1569.0 | 1690.5 | 1803.6 | 1918.3 | 1996.1 |
| 37.5° | 869.3  | 958.8  | 1055.9 | 1178.2 | 1308.2 | 1459.3 | 1616.3 | 1774.9 | 1935.2 | 2089.7 | 2223.9 |
| 40°   | 802.6  | 893.8  | 996.0  | 1128.4 | 1275.2 | 1450.8 | 1646.6 | 1860.2 | 2080.4 | 2304.1 | 2482.2 |
| 42.5° | 743.5  | 837.2  | 948.6  | 1082.8 | 1242.4 | 1439.9 | 1671.1 | 1933.6 | 2202.8 | 2479.7 | 2741.2 |
| 45°   | 686.1  | 789.1  | 906.4  | 1050.8 | 1228.0 | 1448.3 | 1707.4 | 2002.0 | 2312.5 | 2648.4 | 2967.5 |
| 47.5° | 634.7  | 739.4  | 853.3  | 1011.1 | 1206.9 | 1452.5 | 1742.8 | 2070.3 | 2416.4 | 2780.1 | 3159.1 |
| 50°   | 588.3  | 689.5  | 801.8  | 960.4  | 1174.0 | 1449.9 | 1774.9 | 2131.9 | 2505.8 | 2883.9 | 3306.7 |
| 52.5° | 542.7  | 645.7  | 760.4  | 911.5  | 1133.5 | 1435.6 | 1790.2 | 2182.6 | 2588.5 | 2988.6 | 3425.8 |
| 55°   | 497.9  | 599.3  | 714.8  | 865.1  | 1080.3 | 1398.4 | 1788.4 | 2215.4 | 2654.3 | 3087.4 | 3540.5 |
| 57.5° | 445.6  | 541.9  | 654.9  | 813.6  | 1023.7 | 1341.1 | 1763.1 | 2230.7 | 2710.9 | 3185.2 | 3678.1 |
| 60°   | 380.6  | 471.0  | 579.8  | 738.4  | 949.5  | 1267.7 | 1709.9 | 2222.3 | 2743.8 | 3257.8 | 3795.4 |
| 62.5° | 300.4  | 379.0  | 478.5  | 633.9  | 856.7  | 1162.2 | 1610.4 | 2145.4 | 2691.5 | 3247.7 | 3850.3 |
| 63°   | 283.6  | 357.8  | 454.9  | 608.5  | 817.0  | 1133.5 | 1580.8 | 2115.0 | 2666.2 | 3226.5 | 3842.7 |
| 65°   | 227.9  | 276.0  | 353.7  | 491.2  | 683.6  | 992.5  | 1434.0 | 1958.9 | 2530.3 | 3078.0 | 3733.0 |
| 67.5° | 174.7  | 199.2  | 240.5  | 336.8  | 483.6  | 780.7  | 1161.3 | 1660.1 | 2196.1 | 2710.9 | 3379.4 |
| 70°   | 149.4  | 160.3  | 178.0  | 223.6  | 307.3  | 492.8  | 815.3  | 1238.1 | 1702.3 | 2148.8 | 2749.7 |
| 72.5° | 135.9  | 140.9  | 150.3  | 169.6  | 211.0  | 295.4  | 519.9  | 806.0  | 1157.9 | 1531.8 | 1996.1 |
| 75°   | 124.9  | 129.1  | 136.7  | 146.8  | 162.1  | 196.7  | 296.3  | 492.8  | 752.8  | 1006.0 | 1347.0 |
| 77.5° | 114.0  | 116.5  | 124.9  | 134.2  | 144.4  | 162.1  | 195.9  | 283.6  | 433.0  | 593.4  | 811.9  |
| 80°   | 104.7  | 103.0  | 108.9  | 124.0  | 134.2  | 144.4  | 154.4  | 184.0  | 246.4  | 325.0  | 438.9  |
| 82.5° | 83.5   | 85.3   | 90.3   | 105.5  | 109.7  | 107.2  | 108.9  | 114.0  | 137.6  | 150.3  | 224.5  |
| 85°   | 56.6   | 52.3   | 51.5   | 53.2   | 53.2   | 50.7   | 50.7   | 49.8   | 54.8   | 62.5   | 107.2  |
| 87.5° | 15.2   | 7.6    | 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°    | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 0°    |
| 2.5°  | 882.8  | 882.0  | 882.8  | 878.5  | 878.5  | 877.7  | 876.9  | 875.2  | 875.2  | 871.8  | 874.4  | 2.5°  |
| 5°    | 899.7  | 898.0  | 894.6  | 889.5  | 887.0  | 883.6  | 883.6  | 880.3  | 877.7  | 874.4  | 875.2  | 5°    |
| 7.5°  | 919.1  | 920.0  | 914.1  | 909.8  | 908.1  | 904.8  | 905.6  | 900.5  | 901.3  | 898.9  | 897.2  | 7.5°  |
| 10°   | 930.1  | 930.1  | 931.8  | 930.9  | 932.6  | 932.6  | 935.1  | 931.8  | 930.1  | 927.6  | 927.6  | 10°   |
| 12.5° | 947.8  | 951.2  | 957.9  | 957.9  | 963.0  | 964.7  | 965.5  | 967.3  | 963.8  | 962.2  | 956.3  | 12.5° |
| 15°   | 991.7  | 1000.1 | 1006.0 | 1014.5 | 1024.6 | 1028.0 | 1028.0 | 1024.6 | 1022.9 | 1020.4 | 1009.4 | 15°   |
| 17.5° | 1064.2 | 1082.8 | 1087.9 | 1101.5 | 1103.1 | 1107.4 | 1119.2 | 1112.3 | 1108.2 | 1090.5 | 1087.0 | 17.5° |
| 20°   | 1138.5 | 1162.2 | 1185.8 | 1202.7 | 1211.1 | 1228.0 | 1230.6 | 1227.2 | 1210.3 | 1193.4 | 1185.8 | 20°   |
| 22.5° | 1228.0 | 1263.4 | 1290.5 | 1316.6 | 1329.3 | 1337.7 | 1356.3 | 1352.1 | 1338.5 | 1313.3 | 1303.1 | 22.5° |
| 25°   | 1354.6 | 1398.4 | 1427.2 | 1459.3 | 1476.2 | 1484.6 | 1503.1 | 1503.1 | 1488.8 | 1481.2 | 1480.3 | 25°   |
| 27.5° | 1514.1 | 1568.2 | 1615.4 | 1626.3 | 1670.3 | 1680.4 | 1698.1 | 1698.1 | 1684.6 | 1675.3 | 1720.1 | 27.5° |
| 30°   | 1691.4 | 1747.9 | 1829.7 | 1884.7 | 1937.8 | 1990.2 | 1989.3 | 1992.6 | 2008.7 | 2017.1 | 2036.6 | 30°   |
| 32.5° | 1868.6 | 1938.7 | 2025.6 | 2144.6 | 2258.5 | 2355.5 | 2481.3 | 2561.6 | 2537.0 | 2468.7 | 2441.7 | 32.5° |
| 35°   | 2083.8 | 2161.5 | 2266.9 | 2386.8 | 2595.2 | 2721.0 | 2781.8 | 2824.9 | 2829.9 | 2839.2 | 2858.5 | 35°   |
| 37.5° | 2323.5 | 2453.5 | 2575.9 | 2711.7 | 2827.4 | 2980.1 | 3121.0 | 3234.2 | 3260.3 | 3313.5 | 3283.1 | 37.5° |
| 40°   | 2626.5 | 2771.7 | 2900.0 | 3075.5 | 3230.8 | 3414.8 | 3616.5 | 3771.8 | 3834.3 | 3814.0 | 3662.1 | 40°   |
| 42.5° | 2943.8 | 3123.6 | 3273.9 | 3480.6 | 3682.4 | 3925.4 | 4133.9 | 4350.8 | 4389.6 | 4233.5 | 4006.4 | 42.5° |
| 45°   | 3235.9 | 3458.7 | 3645.2 | 3860.4 | 4106.8 | 4398.0 | 4676.6 | 4899.4 | 4891.8 | 4624.2 | 4320.4 | 45°   |
| 47.5° | 3498.3 | 3771.8 | 3999.7 | 4279.9 | 4544.9 | 4891.8 | 5211.6 | 5376.3 | 5279.2 | 4962.7 | 4590.5 | 47.5° |
| 50°   | 3715.2 | 4056.3 | 4337.3 | 4620.8 | 4957.6 | 5375.3 | 5683.4 | 5776.3 | 5588.9 | 5244.6 | 4853.0 | 50°   |
| 52.5° | 3889.9 | 4317.8 | 4633.5 | 4960.1 | 5385.5 | 5825.2 | 6090.3 | 6055.6 | 5813.4 | 5459.8 | 5069.8 | 52.5° |
| 55°   | 4037.6 | 4517.9 | 4894.3 | 5280.0 | 5807.5 | 6212.6 | 6389.0 | 6296.2 | 5957.7 | 5599.1 | 5218.4 | 55°   |
| 57.5° | 4190.5 | 4712.0 | 5134.0 | 5581.3 | 6168.7 | 6516.5 | 6614.4 | 6423.6 | 6026.1 | 5652.2 | 5282.6 | 57.5° |
| 60°   | 4343.2 | 4874.1 | 5345.8 | 5844.7 | 6442.2 | 6764.6 | 6737.6 | 6452.3 | 6005.8 | 5613.4 | 5239.5 | 60°   |
| 62.5° | 4446.1 | 4970.3 | 5469.0 | 6006.6 | 6647.3 | 6891.2 | 6725.8 | 6350.2 | 5888.5 | 5460.6 | 5111.2 | 62.5° |
| 63°   | 4448.7 | 4973.7 | 5476.7 | 6017.6 | 6670.1 | 6895.4 | 6703.0 | 6313.9 | 5851.4 | 5429.4 | 5073.3 | 63°   |
| 65°   | 4395.5 | 4910.4 | 5409.1 | 5967.9 | 6650.7 | 6798.3 | 6506.3 | 6099.5 | 5639.6 | 5213.4 | 4875.8 | 65°   |
| 67.5° | 4123.7 | 4648.7 | 5089.2 | 5616.0 | 6302.9 | 6345.1 | 5979.7 | 5651.4 | 5237.8 | 4796.4 | 4443.6 | 67.5° |
| 70°   | 3576.0 | 4012.3 | 4444.5 | 4884.1 | 5460.6 | 5453.1 | 5109.5 | 4942.4 | 4580.3 | 4077.3 | 3794.6 | 70°   |
| 72.5° | 2844.2 | 3235.9 | 3539.7 | 3834.3 | 4214.1 | 4137.2 | 3916.2 | 3962.5 | 3727.9 | 3352.3 | 3184.4 | 72.5° |
| 75°   | 2111.7 | 2542.1 | 2690.7 | 2810.5 | 2970.9 | 2971.7 | 3032.4 | 3164.1 | 3160.7 | 2952.3 | 2740.4 | 75°   |
| 77.5° | 1385.0 | 1856.0 | 1905.7 | 2002.0 | 2194.4 | 2456.1 | 2726.1 | 3016.4 | 3089.0 | 2924.5 | 2611.3 | 77.5° |
| 80°   | 772.2  | 1261.8 | 1204.4 | 1287.0 | 1494.7 | 1850.1 | 2248.4 | 2569.1 | 2758.1 | 2666.2 | 2334.5 | 80°   |
| 82.5° | 395.0  | 727.6  | 695.4  | 810.3  | 978.1  | 1287.0 | 1550.4 | 1796.9 | 2019.7 | 2007.0 | 1881.2 | 82.5° |
| 85°   | 205.1  | 398.3  | 453.3  | 513.2  | 597.5  | 708.1  | 807.7  | 879.5  | 972.2  | 1136.1 | 1191.7 | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 60.7   | 43.9   | 120.7  | 172.1  | 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: P153298

NUMBER: VXS-E03-LED-E1-SLR-8030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  | 885.4  |
| 875.2  | 876.1  | 874.4  | 874.4  | 875.2  | 875.2  | 873.6  |
| 873.6  | 873.6  | 871.8  | 870.2  | 868.5  | 868.5  | 866.7  |
| 893.0  | 893.0  | 887.0  | 884.5  | 880.3  | 876.9  | 875.2  |
| 921.7  | 916.6  | 909.8  | 904.8  | 898.0  | 890.4  | 886.2  |
| 950.4  | 942.7  | 934.3  | 926.7  | 918.2  | 909.8  | 905.6  |
| 997.6  | 987.5  | 976.5  | 967.3  | 955.4  | 942.7  | 937.7  |
| 1070.2 | 1054.1 | 1039.8 | 1026.3 | 1005.2 | 996.0  | 985.8  |
| 1166.4 | 1142.8 | 1124.1 | 1101.5 | 1075.2 | 1066.8 | 1054.1 |
| 1282.9 | 1262.6 | 1225.5 | 1208.6 | 1182.4 | 1169.7 | 1172.3 |
| 1460.1 | 1434.0 | 1390.9 | 1374.8 | 1372.3 | 1344.5 | 1331.0 |
| 1691.4 | 1693.1 | 1653.4 | 1610.4 | 1586.7 | 1542.8 | 1487.2 |
| 2020.5 | 1997.7 | 1951.3 | 1907.5 | 1851.7 | 1769.0 | 1676.2 |
| 2418.9 | 2368.3 | 2291.4 | 2209.5 | 2110.8 | 1983.4 | 1853.4 |
| 2808.0 | 2719.4 | 2597.0 | 2460.2 | 2317.6 | 2159.0 | 1974.9 |
| 3149.7 | 3012.2 | 2829.0 | 2672.1 | 2470.4 | 2272.0 | 2047.6 |
| 3462.1 | 3291.6 | 3055.2 | 2851.8 | 2613.9 | 2359.0 | 2093.1 |
| 3764.2 | 3548.2 | 3258.7 | 2983.5 | 2714.3 | 2417.2 | 2115.0 |
| 4052.0 | 3773.5 | 3429.9 | 3102.5 | 2787.7 | 2455.1 | 2118.4 |
| 4273.2 | 3969.3 | 3583.6 | 3188.6 | 2838.3 | 2483.8 | 2118.4 |
| 4478.2 | 4134.7 | 3700.9 | 3256.2 | 2885.6 | 2503.3 | 2120.1 |
| 4637.7 | 4251.2 | 3776.9 | 3304.2 | 2922.7 | 2517.6 | 2127.7 |
| 4753.4 | 4327.2 | 3827.5 | 3333.8 | 2949.7 | 2537.9 | 2144.6 |
| 4834.4 | 4376.9 | 3855.3 | 3359.9 | 2982.7 | 2573.4 | 2191.8 |
| 4873.2 | 4468.9 | 3901.8 | 3412.2 | 3039.2 | 2648.4 | 2286.3 |
| 4843.6 | 4611.6 | 4034.3 | 3500.8 | 3117.7 | 2765.8 | 2437.4 |
| 4831.0 | 4637.7 | 4070.6 | 3520.3 | 3135.4 | 2791.1 | 2489.7 |
| 4732.2 | 4663.9 | 4220.0 | 3618.2 | 3219.8 | 2903.3 | 2635.8 |
| 4425.9 | 4560.9 | 4345.7 | 3783.6 | 3401.2 | 3176.0 | 2908.4 |
| 4029.2 | 4408.2 | 4322.9 | 3804.7 | 3516.9 | 3399.6 | 3080.5 |
| 3554.1 | 3946.5 | 3867.2 | 3523.6 | 3389.4 | 3402.2 | 3035.9 |
| 2797.0 | 3091.5 | 3039.2 | 2918.5 | 2945.5 | 3038.3 | 2600.3 |
| 2240.8 | 2201.1 | 2080.4 | 2088.9 | 2245.0 | 2353.9 | 1872.0 |
| 1830.6 | 1482.1 | 1325.1 | 1329.3 | 1601.9 | 1715.0 | 1192.5 |
| 1742.0 | 1401.9 | 1142.0 | 997.6  | 1165.6 | 1122.5 | 622.9  |
| 1240.6 | 1243.2 | 1031.4 | 838.1  | 811.9  | 690.4  | 388.2  |
| 293.7  | 235.4  | 168.0  | 124.9  | 131.7  | 86.9   | 43.9   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)