

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P150309

Luminaire Tested: **AVS-E01-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P150309  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-E01-LED-E-U-SL2-7030  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2790.4 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

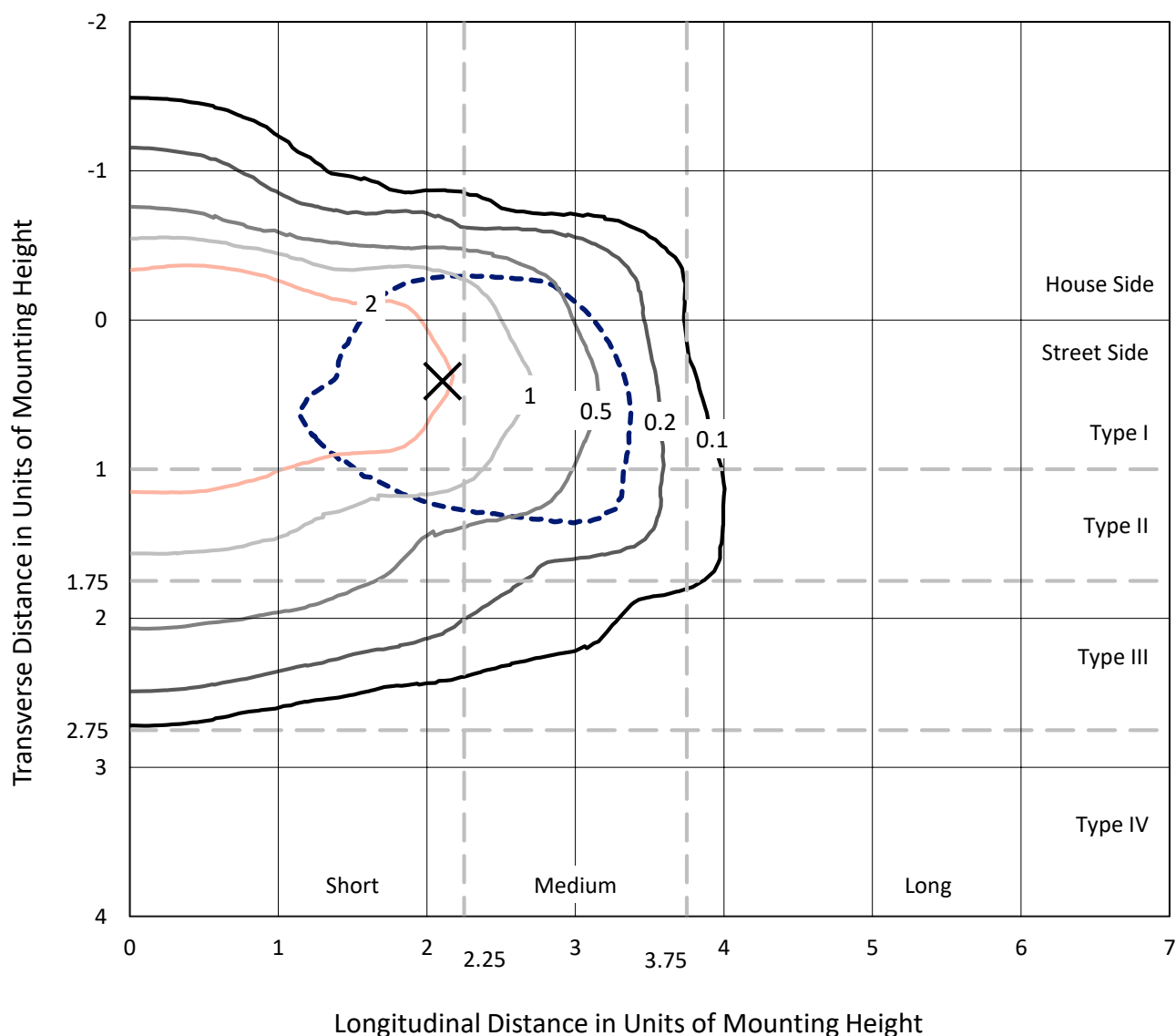


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

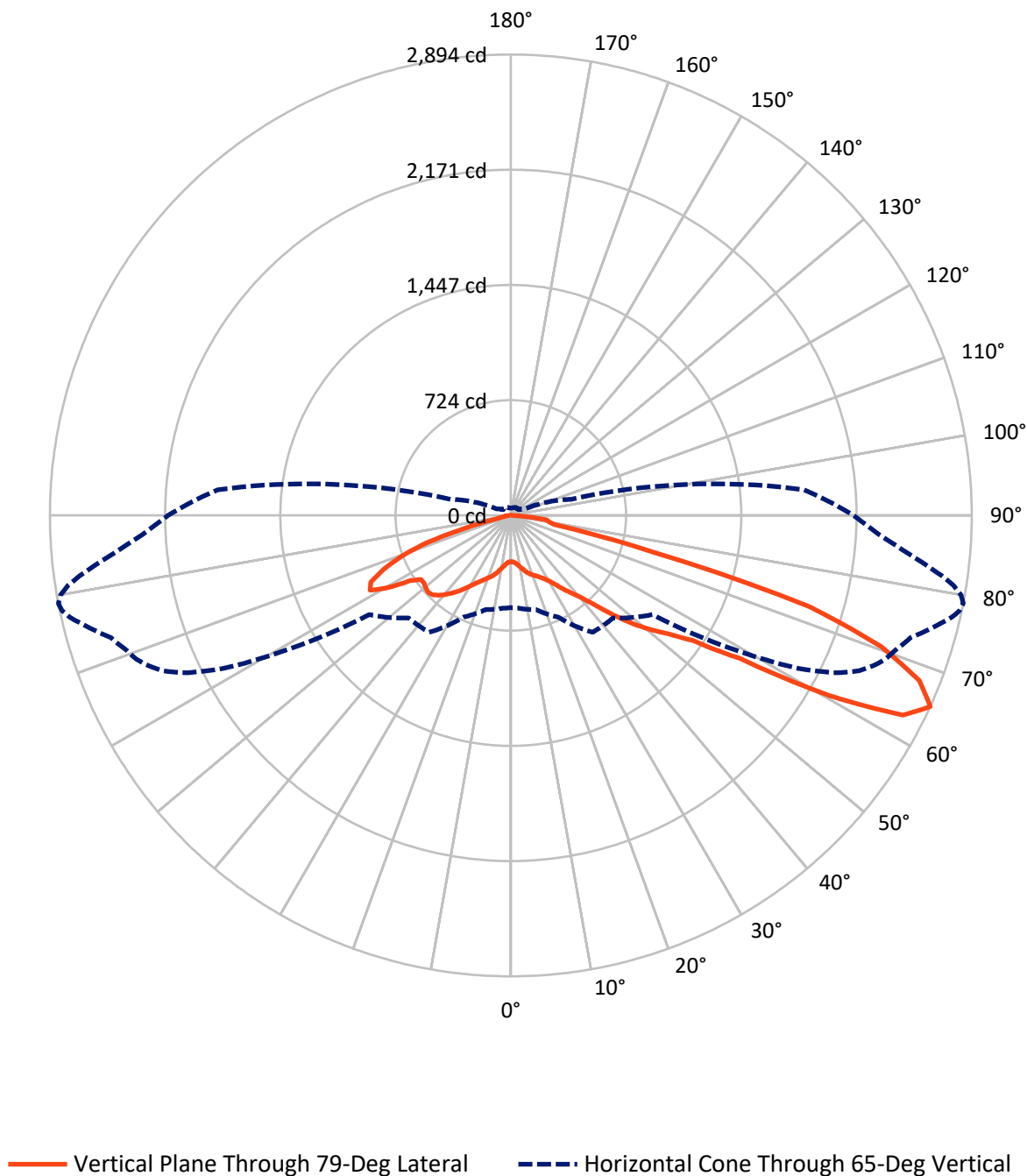


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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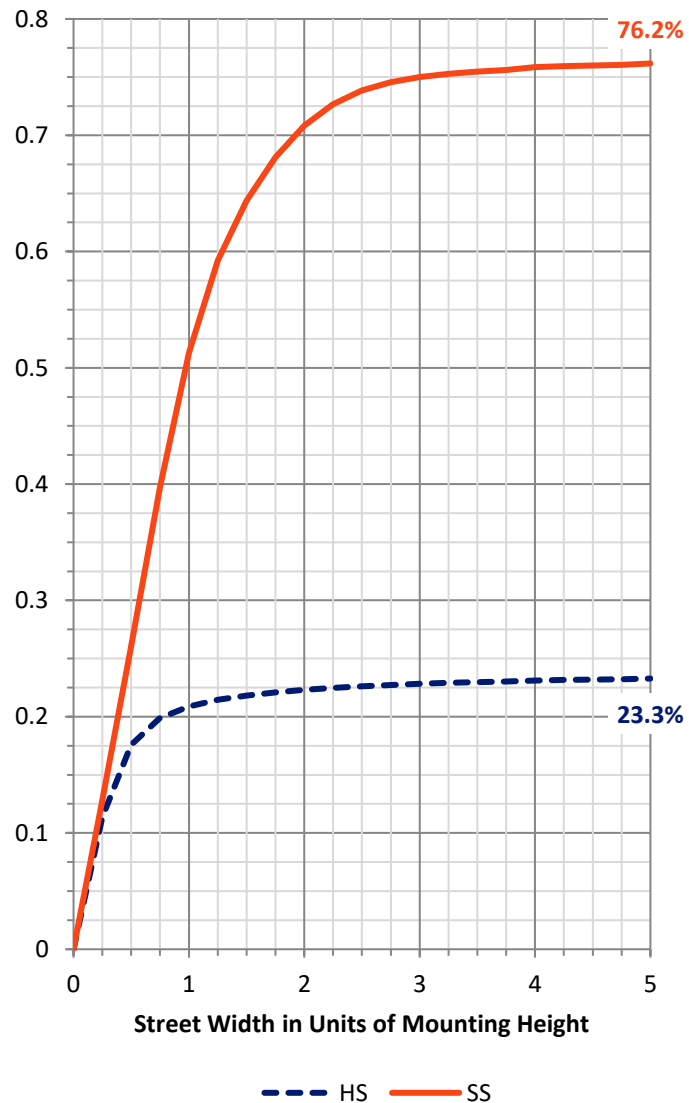
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 659.6    | 0.0    | 659.6  |
|                    | % Fixture | 23.6     | 0.0    | 23.6   |
| <b>Street Side</b> | Lumens    | 2130.7   | 0.0    | 2130.7 |
|                    | % Fixture | 76.4     | 0.0    | 76.4   |
| <b>Total</b>       | Lumens    | 2790.4   | 0.0    | 2790.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.9   | 1.0       |
| 10°-20°   | 94.4   | 3.4       |
| 20°-30°   | 163.1  | 5.8       |
| 30°-40°   | 269.9  | 9.7       |
| 40°-50°   | 457.8  | 16.4      |
| 50°-60°   | 608.2  | 21.8      |
| 60°-70°   | 785.7  | 28.2      |
| 70°-80°   | 329.5  | 11.8      |
| 80°-90°   | 52.9   | 1.9       |
| 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°    | 2790.4 | 100.0     |
| 0°-180°   | 2790.4 | 100.0     |

**Coefficient of Utilization**



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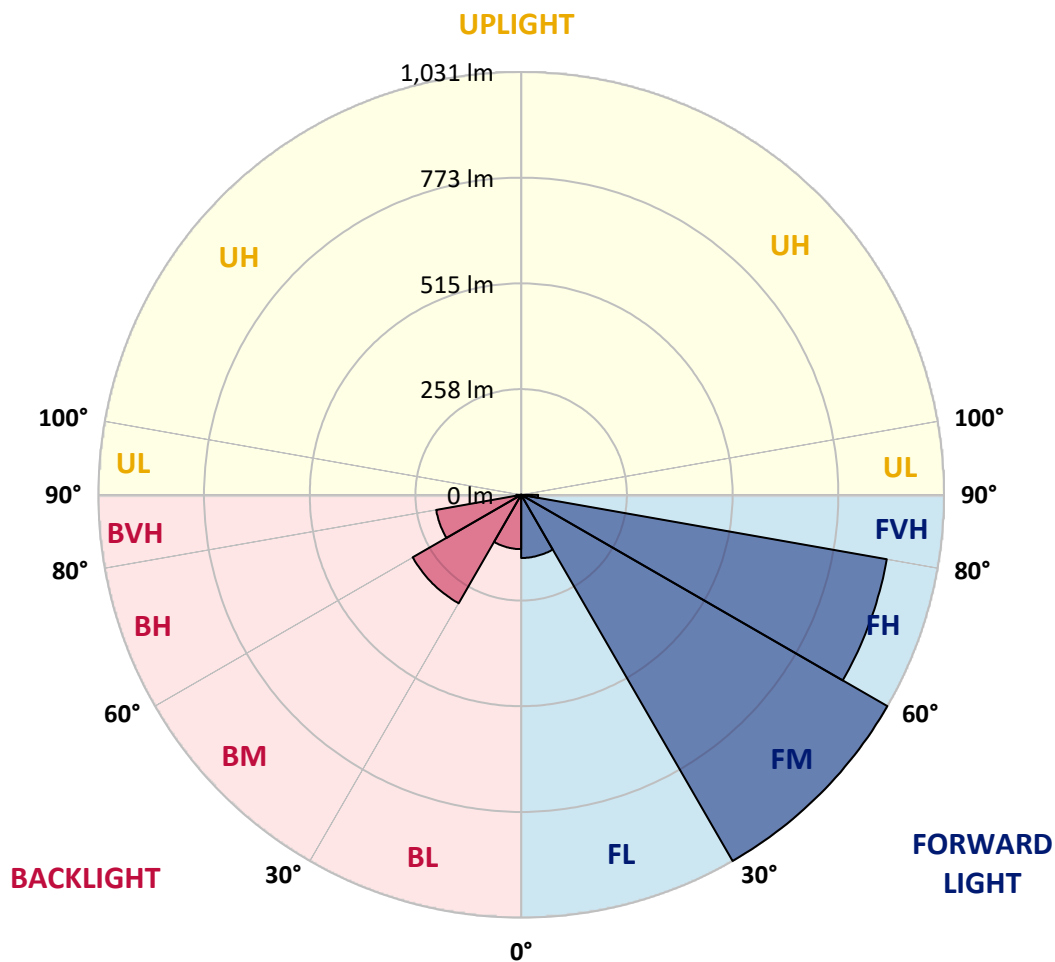
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 154.0  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1030.6 | 36.9      |                         |      |         |
| FH   | (60°-80°)   | 904.8  | 32.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 41.4   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 132.4  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 305.3  | 10.9      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 210.4  | 7.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 11.5   | 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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 290.5 | 290.5 | 290.5 | 290.5 | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  |
| 2.5°  | 289.5 | 290.5 | 289.8 | 290.5 | 291.1  | 291.4  | 291.9  | 291.7  | 291.7  | 291.9  | 291.4  |
| 5°    | 289.5 | 289.5 | 290.5 | 291.9 | 292.5  | 294.4  | 296.6  | 296.3  | 296.6  | 296.3  | 296.8  |
| 7.5°  | 295.6 | 295.3 | 296.3 | 298.0 | 298.7  | 301.5  | 305.1  | 305.7  | 306.3  | 306.3  | 307.2  |
| 10°   | 306.3 | 306.0 | 306.8 | 307.8 | 308.7  | 310.9  | 316.1  | 318.1  | 318.4  | 318.8  | 320.0  |
| 12.5° | 319.7 | 319.4 | 318.1 | 318.1 | 317.8  | 321.8  | 328.8  | 332.7  | 333.4  | 334.6  | 335.5  |
| 15°   | 329.1 | 328.2 | 326.3 | 325.2 | 326.6  | 333.1  | 343.4  | 348.0  | 348.6  | 349.5  | 351.9  |
| 17.5° | 338.2 | 337.3 | 333.4 | 330.4 | 332.4  | 342.8  | 356.8  | 361.7  | 362.9  | 363.8  | 366.5  |
| 20°   | 351.0 | 350.5 | 344.7 | 337.3 | 336.7  | 350.2  | 367.2  | 373.6  | 374.5  | 375.6  | 378.4  |
| 22.5° | 370.5 | 367.8 | 361.0 | 347.4 | 340.7  | 354.4  | 374.5  | 383.3  | 384.6  | 385.7  | 389.4  |
| 25°   | 394.9 | 393.7 | 382.1 | 361.0 | 347.0  | 358.7  | 382.4  | 393.4  | 395.1  | 396.7  | 401.6  |
| 27.5° | 420.1 | 418.3 | 405.8 | 378.4 | 358.3  | 367.2  | 394.9  | 407.4  | 409.7  | 412.2  | 416.8  |
| 30°   | 442.7 | 442.1 | 431.7 | 401.9 | 376.6  | 383.3  | 414.9  | 430.2  | 433.0  | 436.0  | 440.2  |
| 32.5° | 495.6 | 496.0 | 485.3 | 454.8 | 420.7  | 412.5  | 443.9  | 466.7  | 468.0  | 471.6  | 479.2  |
| 35°   | 597.0 | 598.2 | 594.3 | 570.3 | 531.9  | 498.0  | 501.1  | 523.6  | 524.9  | 527.9  | 535.2  |
| 37.5° | 664.9 | 667.4 | 679.5 | 687.2 | 667.7  | 652.1  | 613.5  | 604.7  | 605.6  | 603.7  | 602.2  |
| 40°   | 702.4 | 706.0 | 738.0 | 777.6 | 798.9  | 799.2  | 782.5  | 743.4  | 728.5  | 724.2  | 706.0  |
| 42.5° | 723.6 | 729.7 | 775.1 | 842.7 | 903.9  | 945.9  | 956.3  | 913.1  | 902.1  | 882.6  | 847.6  |
| 45°   | 737.7 | 745.0 | 798.5 | 891.1 | 981.2  | 1052.7 | 1106.6 | 1087.5 | 1080.2 | 1068.3 | 1036.1 |
| 47.5° | 735.2 | 741.0 | 796.8 | 907.6 | 1021.8 | 1123.4 | 1219.1 | 1238.8 | 1229.9 | 1226.9 | 1205.0 |
| 50°   | 690.8 | 696.0 | 752.6 | 866.7 | 999.5  | 1150.3 | 1290.3 | 1346.3 | 1346.3 | 1352.0 | 1345.4 |
| 52.5° | 643.3 | 647.6 | 699.1 | 801.7 | 927.7  | 1124.0 | 1329.8 | 1422.7 | 1434.9 | 1444.9 | 1460.7 |
| 55°   | 625.4 | 630.5 | 669.5 | 757.2 | 866.4  | 1049.1 | 1343.2 | 1479.9 | 1502.5 | 1519.5 | 1555.4 |
| 57.5° | 633.9 | 639.1 | 666.7 | 733.2 | 830.6  | 972.7  | 1343.8 | 1557.0 | 1600.5 | 1635.5 | 1708.3 |
| 60°   | 670.7 | 675.5 | 698.8 | 755.3 | 821.1  | 928.6  | 1317.9 | 1679.7 | 1749.0 | 1814.8 | 1936.0 |
| 62.5° | 653.7 | 659.8 | 693.6 | 792.2 | 891.4  | 895.1  | 1224.5 | 1774.6 | 1886.3 | 1983.5 | 2176.2 |
| 65°   | 579.1 | 585.5 | 611.9 | 704.1 | 895.6  | 909.7  | 1086.0 | 1776.5 | 1915.3 | 2046.5 | 2254.4 |
| 67.5° | 439.6 | 442.1 | 463.1 | 537.1 | 716.4  | 925.8  | 943.5  | 1566.1 | 1698.2 | 1844.7 | 2059.3 |
| 70°   | 224.7 | 228.9 | 235.0 | 296.6 | 461.2  | 765.1  | 810.8  | 1154.2 | 1322.5 | 1473.9 | 1731.7 |
| 72.5° | 77.9  | 79.5  | 85.6  | 113.3 | 224.7  | 502.1  | 709.6  | 791.0  | 892.6  | 1034.2 | 1332.8 |
| 75°   | 46.8  | 46.8  | 49.0  | 57.2  | 102.6  | 261.6  | 631.4  | 646.0  | 659.8  | 707.3  | 902.7  |
| 77.5° | 37.1  | 37.7  | 37.7  | 39.3  | 56.9   | 134.3  | 479.5  | 600.7  | 602.5  | 607.0  | 640.0  |
| 80°   | 26.5  | 27.7  | 30.2  | 31.4  | 36.8   | 73.7   | 269.1  | 527.4  | 563.2  | 580.6  | 604.7  |
| 82.5° | 19.8  | 21.0  | 25.6  | 27.0  | 28.6   | 41.1   | 120.8  | 363.8  | 429.3  | 463.9  | 548.6  |
| 85°   | 8.8   | 10.4  | 17.3  | 19.2  | 20.1   | 22.0   | 56.6   | 103.5  | 119.1  | 133.7  | 176.3  |
| 87.5° | 1.6   | 1.6   | 2.7   | 3.9   | 5.8    | 5.5    | 12.4   | 17.6   | 17.9   | 21.0   | 23.4   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  |
| 2.5°  | 291.4  | 291.4  | 291.4  | 291.1  | 291.4  | 291.4  | 291.4  | 291.4  | 291.7  | 291.7  | 291.7  |
| 5°    | 297.7  | 297.1  | 297.4  | 297.4  | 297.4  | 297.1  | 297.7  | 297.4  | 297.7  | 298.7  | 298.3  |
| 7.5°  | 307.2  | 307.8  | 308.1  | 308.4  | 308.4  | 308.4  | 308.7  | 309.3  | 309.3  | 310.3  | 309.9  |
| 10°   | 321.2  | 320.9  | 321.2  | 322.1  | 323.0  | 323.3  | 324.2  | 323.9  | 324.6  | 325.8  | 326.9  |
| 12.5° | 336.1  | 336.7  | 337.6  | 338.5  | 340.1  | 340.4  | 341.2  | 341.6  | 343.4  | 343.4  | 344.7  |
| 15°   | 352.8  | 353.2  | 355.0  | 355.3  | 357.1  | 357.7  | 359.3  | 359.9  | 362.0  | 362.3  | 363.5  |
| 17.5° | 368.1  | 368.7  | 369.6  | 370.5  | 372.6  | 373.6  | 374.8  | 376.0  | 377.8  | 378.4  | 380.5  |
| 20°   | 380.2  | 381.5  | 381.8  | 383.6  | 385.4  | 386.6  | 387.9  | 389.1  | 390.9  | 391.8  | 394.0  |
| 22.5° | 391.2  | 392.4  | 393.4  | 394.9  | 396.1  | 397.9  | 398.5  | 400.6  | 402.5  | 404.0  | 405.8  |
| 25°   | 403.1  | 404.9  | 405.8  | 408.6  | 409.5  | 411.3  | 412.8  | 414.9  | 417.4  | 419.3  | 421.7  |
| 27.5° | 419.8  | 422.6  | 423.8  | 426.8  | 429.0  | 429.8  | 432.3  | 435.3  | 437.5  | 439.6  | 442.1  |
| 30°   | 443.0  | 448.2  | 449.0  | 451.2  | 455.1  | 455.8  | 458.8  | 461.2  | 464.6  | 466.7  | 468.8  |
| 32.5° | 478.9  | 485.3  | 485.9  | 488.3  | 491.7  | 493.0  | 495.3  | 498.0  | 503.2  | 504.1  | 507.6  |
| 35°   | 534.0  | 536.8  | 539.2  | 540.1  | 542.8  | 544.4  | 546.2  | 549.2  | 554.4  | 553.8  | 557.4  |
| 37.5° | 600.1  | 601.0  | 601.2  | 598.2  | 598.9  | 596.1  | 599.5  | 600.1  | 601.9  | 603.4  | 607.0  |
| 40°   | 694.4  | 685.0  | 683.8  | 676.5  | 669.2  | 665.2  | 663.7  | 657.6  | 659.2  | 659.8  | 662.8  |
| 42.5° | 832.3  | 814.1  | 798.9  | 788.5  | 770.6  | 761.8  | 749.8  | 740.4  | 733.2  | 735.9  | 737.1  |
| 45°   | 1007.2 | 980.9  | 956.6  | 924.9  | 901.5  | 884.8  | 863.7  | 844.9  | 836.4  | 832.3  | 837.2  |
| 47.5° | 1181.6 | 1158.4 | 1129.8 | 1097.2 | 1060.1 | 1032.4 | 997.4  | 966.6  | 945.3  | 937.4  | 941.7  |
| 50°   | 1332.2 | 1311.0 | 1289.3 | 1270.2 | 1226.9 | 1196.8 | 1149.0 | 1109.1 | 1075.6 | 1058.5 | 1054.0 |
| 52.5° | 1457.4 | 1446.1 | 1434.6 | 1418.4 | 1383.7 | 1353.6 | 1315.5 | 1276.3 | 1231.8 | 1197.1 | 1185.2 |
| 55°   | 1569.1 | 1575.9 | 1570.1 | 1570.4 | 1556.7 | 1537.5 | 1505.2 | 1476.0 | 1444.9 | 1405.6 | 1389.2 |
| 57.5° | 1732.0 | 1771.6 | 1779.5 | 1799.3 | 1809.0 | 1819.4 | 1828.5 | 1811.2 | 1803.2 | 1774.0 | 1774.3 |
| 60°   | 1988.7 | 2046.5 | 2096.8 | 2142.4 | 2179.9 | 2216.4 | 2254.7 | 2271.8 | 2290.7 | 2299.5 | 2329.6 |
| 62.5° | 2261.8 | 2316.9 | 2391.7 | 2453.0 | 2487.4 | 2534.8 | 2576.6 | 2603.6 | 2636.9 | 2672.1 | 2718.1 |
| 65°   | 2329.3 | 2395.8 | 2442.9 | 2483.7 | 2517.8 | 2543.1 | 2565.9 | 2598.1 | 2625.9 | 2681.9 | 2736.1 |
| 67.5° | 2156.2 | 2209.1 | 2252.3 | 2292.5 | 2319.0 | 2340.3 | 2360.7 | 2382.0 | 2429.5 | 2480.3 | 2534.8 |
| 70°   | 1850.8 | 1914.7 | 1986.2 | 2038.3 | 2051.4 | 2069.6 | 2089.1 | 2116.9 | 2140.6 | 2193.9 | 2235.2 |
| 72.5° | 1486.9 | 1578.9 | 1639.5 | 1711.6 | 1727.2 | 1754.8 | 1765.8 | 1787.5 | 1791.7 | 1820.6 | 1831.6 |
| 75°   | 1036.4 | 1141.7 | 1202.6 | 1255.5 | 1265.9 | 1250.7 | 1256.8 | 1180.3 | 1160.8 | 1145.1 | 1132.2 |
| 77.5° | 684.1  | 712.4  | 722.2  | 713.7  | 672.8  | 640.8  | 606.7  | 573.3  | 576.9  | 549.8  | 502.4  |
| 80°   | 608.3  | 614.7  | 605.9  | 597.3  | 573.9  | 540.4  | 509.6  | 478.3  | 462.8  | 446.3  | 422.0  |
| 82.5° | 591.8  | 616.5  | 619.3  | 608.9  | 590.4  | 553.8  | 516.7  | 470.1  | 430.5  | 394.0  | 356.8  |
| 85°   | 197.9  | 240.8  | 260.0  | 277.9  | 283.4  | 289.8  | 267.9  | 238.0  | 202.2  | 178.1  | 139.5  |
| 87.5° | 25.3   | 31.4   | 36.3   | 31.1   | 36.3   | 42.6   | 30.8   | 34.4   | 34.7   | 21.7   | 16.2   |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  |
| 2.5°  | 291.9  | 291.7  | 291.7  | 291.7  | 291.4  | 291.7  | 291.7  | 291.7  | 291.7  | 291.7  | 291.4  |
| 5°    | 298.7  | 298.7  | 299.6  | 299.9  | 299.3  | 299.0  | 299.3  | 299.6  | 299.6  | 299.3  | 299.6  |
| 7.5°  | 311.2  | 311.5  | 312.0  | 313.0  | 312.3  | 312.6  | 313.0  | 312.6  | 313.6  | 313.9  | 313.6  |
| 10°   | 326.9  | 327.6  | 329.1  | 329.4  | 329.1  | 330.4  | 330.7  | 330.1  | 330.7  | 330.7  | 331.8  |
| 12.5° | 345.3  | 345.9  | 347.7  | 348.3  | 348.9  | 349.2  | 350.2  | 350.5  | 351.3  | 351.9  | 352.8  |
| 15°   | 365.1  | 365.6  | 366.8  | 369.0  | 369.6  | 370.3  | 370.8  | 372.6  | 373.0  | 374.2  | 375.1  |
| 17.5° | 381.8  | 382.7  | 384.6  | 386.0  | 386.9  | 388.5  | 389.1  | 391.2  | 391.8  | 393.7  | 395.1  |
| 20°   | 395.1  | 396.7  | 398.2  | 400.0  | 401.6  | 403.4  | 404.0  | 406.1  | 407.4  | 408.3  | 410.1  |
| 22.5° | 407.4  | 409.2  | 411.3  | 413.5  | 414.6  | 417.1  | 418.0  | 419.0  | 421.7  | 422.9  | 424.7  |
| 25°   | 423.2  | 425.0  | 427.5  | 430.2  | 431.4  | 434.4  | 435.3  | 436.9  | 439.9  | 441.1  | 443.9  |
| 27.5° | 444.8  | 447.3  | 449.0  | 451.8  | 453.4  | 455.4  | 457.6  | 459.4  | 462.2  | 463.9  | 467.0  |
| 30°   | 471.9  | 473.7  | 476.8  | 478.9  | 481.3  | 484.4  | 486.8  | 488.6  | 490.2  | 493.0  | 496.3  |
| 32.5° | 511.8  | 512.1  | 513.0  | 518.1  | 520.6  | 523.0  | 526.4  | 527.9  | 530.4  | 533.1  | 536.8  |
| 35°   | 561.5  | 564.1  | 566.3  | 568.7  | 571.5  | 574.2  | 575.4  | 580.0  | 582.1  | 585.8  | 589.4  |
| 37.5° | 610.8  | 611.0  | 615.9  | 617.4  | 619.9  | 622.6  | 626.8  | 631.4  | 636.9  | 640.5  | 646.3  |
| 40°   | 663.7  | 666.1  | 672.2  | 675.2  | 678.3  | 685.0  | 688.4  | 695.6  | 704.8  | 709.9  | 719.7  |
| 42.5° | 740.4  | 744.0  | 755.0  | 759.9  | 767.3  | 778.1  | 785.2  | 795.2  | 798.9  | 811.4  | 816.0  |
| 45°   | 840.9  | 852.1  | 868.0  | 878.3  | 891.4  | 903.3  | 909.4  | 914.0  | 919.5  | 929.2  | 928.0  |
| 47.5° | 949.5  | 964.1  | 981.9  | 1003.2 | 1011.7 | 1025.7 | 1033.6 | 1042.5 | 1037.6 | 1035.1 | 1032.7 |
| 50°   | 1061.0 | 1078.0 | 1101.5 | 1120.7 | 1133.8 | 1142.3 | 1149.0 | 1147.8 | 1137.4 | 1131.9 | 1116.7 |
| 52.5° | 1184.9 | 1194.9 | 1217.2 | 1233.7 | 1241.6 | 1243.4 | 1241.9 | 1232.7 | 1223.0 | 1205.6 | 1187.7 |
| 55°   | 1374.9 | 1370.4 | 1379.2 | 1386.7 | 1384.4 | 1392.8 | 1371.0 | 1362.4 | 1338.3 | 1315.9 | 1291.8 |
| 57.5° | 1760.9 | 1767.0 | 1717.7 | 1695.4 | 1691.5 | 1699.5 | 1660.7 | 1655.9 | 1597.7 | 1590.5 | 1549.9 |
| 60°   | 2325.4 | 2355.2 | 2316.6 | 2294.9 | 2236.5 | 2217.3 | 2174.1 | 2156.2 | 2100.4 | 2055.3 | 1998.4 |
| 62.5° | 2749.8 | 2776.9 | 2793.1 | 2762.3 | 2728.2 | 2677.9 | 2612.4 | 2540.0 | 2480.9 | 2411.8 | 2351.6 |
| 65°   | 2788.2 | 2843.0 | 2880.1 | 2894.4 | 2870.4 | 2815.2 | 2734.6 | 2643.2 | 2552.8 | 2466.0 | 2389.9 |
| 67.5° | 2608.8 | 2657.8 | 2715.4 | 2766.8 | 2769.8 | 2734.0 | 2665.2 | 2572.3 | 2467.9 | 2360.7 | 2271.5 |
| 70°   | 2300.7 | 2362.3 | 2412.4 | 2466.6 | 2504.5 | 2483.7 | 2449.3 | 2364.0 | 2255.6 | 2172.2 | 2069.6 |
| 72.5° | 1871.2 | 1897.0 | 1909.2 | 1962.5 | 1963.1 | 1925.4 | 1901.0 | 1853.8 | 1766.4 | 1707.4 | 1629.1 |
| 75°   | 1092.6 | 1035.8 | 975.1  | 922.5  | 879.6  | 861.6  | 781.9  | 768.4  | 714.8  | 681.7  | 633.0  |
| 77.5° | 450.6  | 399.8  | 334.3  | 279.8  | 225.9  | 201.6  | 166.2  | 150.7  | 130.6  | 121.8  | 116.0  |
| 80°   | 386.3  | 338.2  | 288.9  | 241.8  | 199.7  | 157.7  | 122.7  | 95.3   | 74.9   | 63.6   | 59.1   |
| 82.5° | 315.4  | 286.5  | 252.1  | 226.5  | 193.7  | 162.3  | 137.0  | 106.2  | 79.5   | 58.4   | 44.8   |
| 85°   | 113.9  | 93.5   | 75.2   | 69.1   | 55.1   | 45.4   | 38.0   | 32.5   | 26.8   | 21.3   | 18.9   |
| 87.5° | 12.7   | 12.2   | 7.0    | 6.7    | 7.6    | 5.5    | 6.4    | 5.8    | 4.9    | 4.2    | 4.6    |
| 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):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°    | 290.5  | 290.5  | 290.5  | 290.5  | 290.5  | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 |
| 2.5°  | 291.4  | 291.4  | 291.7  | 291.7  | 291.9  | 292.2 | 292.8 | 292.5 | 292.5 | 292.8 | 292.8 |
| 5°    | 299.6  | 300.5  | 300.2  | 300.2  | 300.2  | 300.5 | 300.8 | 299.6 | 298.3 | 297.1 | 296.6 |
| 7.5°  | 313.9  | 314.5  | 315.1  | 314.5  | 315.1  | 314.8 | 314.2 | 310.9 | 306.8 | 302.0 | 298.7 |
| 10°   | 332.4  | 332.4  | 333.1  | 332.7  | 334.0  | 333.1 | 331.2 | 323.6 | 315.1 | 304.8 | 297.1 |
| 12.5° | 352.5  | 354.7  | 353.8  | 354.1  | 356.5  | 354.1 | 349.8 | 338.5 | 323.3 | 306.6 | 293.2 |
| 15°   | 376.3  | 377.2  | 377.8  | 376.9  | 378.4  | 376.3 | 368.7 | 350.8 | 328.5 | 305.1 | 285.3 |
| 17.5° | 395.8  | 396.1  | 396.4  | 397.0  | 399.2  | 396.7 | 383.6 | 359.3 | 329.7 | 298.0 | 271.9 |
| 20°   | 411.0  | 412.5  | 413.8  | 413.8  | 416.8  | 413.2 | 395.8 | 363.5 | 325.8 | 286.5 | 254.8 |
| 22.5° | 426.8  | 428.1  | 429.5  | 429.8  | 433.9  | 430.2 | 405.8 | 362.6 | 315.4 | 270.1 | 235.0 |
| 25°   | 446.3  | 447.6  | 448.8  | 450.3  | 455.8  | 450.6 | 415.9 | 359.0 | 301.1 | 250.6 | 213.7 |
| 27.5° | 468.8  | 471.6  | 472.5  | 474.9  | 481.3  | 473.5 | 424.4 | 353.5 | 285.3 | 228.1 | 191.2 |
| 30°   | 499.0  | 502.4  | 503.5  | 506.9  | 515.8  | 498.3 | 429.3 | 344.0 | 265.2 | 205.2 | 167.2 |
| 32.5° | 539.5  | 544.0  | 547.7  | 551.4  | 561.5  | 523.3 | 429.8 | 330.4 | 241.8 | 179.6 | 144.0 |
| 35°   | 592.4  | 599.5  | 602.2  | 604.7  | 614.1  | 550.5 | 427.2 | 309.9 | 213.2 | 153.5 | 125.7 |
| 37.5° | 651.8  | 658.9  | 660.6  | 661.9  | 663.7  | 573.6 | 420.4 | 278.9 | 180.8 | 130.6 | 111.1 |
| 40°   | 724.9  | 731.0  | 733.5  | 731.6  | 721.9  | 591.5 | 405.5 | 242.7 | 149.5 | 115.1 | 102.0 |
| 42.5° | 814.1  | 823.2  | 824.1  | 816.0  | 783.6  | 601.6 | 375.6 | 200.0 | 124.9 | 103.8 | 95.0  |
| 45°   | 924.7  | 924.0  | 918.9  | 913.1  | 851.0  | 597.6 | 334.0 | 162.9 | 109.3 | 95.0  | 88.6  |
| 47.5° | 1023.8 | 1013.5 | 1005.6 | 988.6  | 910.3  | 574.5 | 280.1 | 134.9 | 99.9  | 88.3  | 83.1  |
| 50°   | 1105.2 | 1086.3 | 1069.5 | 1051.0 | 954.4  | 533.4 | 226.5 | 114.5 | 91.0  | 82.5  | 77.9  |
| 52.5° | 1169.4 | 1146.5 | 1127.0 | 1108.8 | 997.1  | 487.8 | 185.7 | 99.6  | 82.5  | 76.7  | 72.1  |
| 55°   | 1269.8 | 1247.0 | 1216.0 | 1195.9 | 1062.2 | 445.7 | 159.3 | 87.7  | 74.3  | 70.7  | 66.1  |
| 57.5° | 1524.0 | 1503.9 | 1466.8 | 1414.8 | 1229.6 | 429.8 | 144.4 | 78.5  | 67.6  | 65.5  | 61.8  |
| 60°   | 1968.0 | 1935.4 | 1886.9 | 1834.0 | 1570.1 | 440.5 | 132.4 | 72.1  | 63.0  | 61.2  | 58.4  |
| 62.5° | 2302.9 | 2245.6 | 2190.8 | 2141.8 | 1842.2 | 440.2 | 116.9 | 67.3  | 59.7  | 58.8  | 56.1  |
| 65°   | 2316.6 | 2258.4 | 2203.3 | 2151.8 | 1848.3 | 391.8 | 98.7  | 63.0  | 59.1  | 58.8  | 54.2  |
| 67.5° | 2193.6 | 2130.6 | 2077.3 | 2012.4 | 1711.0 | 306.3 | 79.2  | 60.3  | 61.5  | 60.9  | 53.6  |
| 70°   | 1992.6 | 1910.5 | 1866.6 | 1802.7 | 1505.8 | 214.3 | 65.2  | 61.2  | 66.6  | 64.9  | 54.5  |
| 72.5° | 1563.9 | 1501.9 | 1435.1 | 1390.8 | 1178.9 | 135.4 | 54.8  | 61.8  | 68.8  | 65.8  | 56.9  |
| 75°   | 582.1  | 598.9  | 571.5  | 561.8  | 598.9  | 79.5  | 48.7  | 57.5  | 61.5  | 56.9  | 51.7  |
| 77.5° | 117.5  | 112.3  | 106.5  | 105.4  | 136.1  | 49.0  | 44.8  | 49.9  | 47.2  | 41.7  | 42.0  |
| 80°   | 56.4   | 54.8   | 53.0   | 52.6   | 50.6   | 40.8  | 41.5  | 42.6  | 35.6  | 32.2  | 34.4  |
| 82.5° | 37.4   | 35.3   | 34.7   | 33.5   | 34.1   | 36.6  | 39.3  | 36.6  | 27.4  | 25.6  | 31.1  |
| 85°   | 17.3   | 16.8   | 16.5   | 16.5   | 18.2   | 32.8  | 32.5  | 26.8  | 18.9  | 18.2  | 31.1  |
| 87.5° | 4.2    | 4.2    | 4.6    | 4.2    | 4.9    | 9.7   | 8.5   | 8.2   | 7.0   | 7.9   | 14.6  |
| 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):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 290.5 | 290.5 | 290.5 |
| 2.5°  | 292.5 | 292.8 | 292.5 |
| 5°    | 295.3 | 295.3 | 295.3 |
| 7.5°  | 295.3 | 294.4 | 294.1 |
| 10°   | 291.1 | 288.3 | 288.3 |
| 12.5° | 283.7 | 279.2 | 278.5 |
| 15°   | 270.1 | 263.9 | 263.0 |
| 17.5° | 252.6 | 244.5 | 242.9 |
| 20°   | 233.2 | 222.9 | 221.0 |
| 22.5° | 211.9 | 200.0 | 199.1 |
| 25°   | 190.9 | 178.8 | 176.3 |
| 27.5° | 167.5 | 155.5 | 154.4 |
| 30°   | 144.0 | 133.7 | 133.1 |
| 32.5° | 124.2 | 117.8 | 116.6 |
| 35°   | 110.3 | 106.5 | 105.1 |
| 37.5° | 101.0 | 98.3  | 98.0  |
| 40°   | 94.1  | 91.6  | 91.3  |
| 42.5° | 88.3  | 86.1  | 85.9  |
| 45°   | 82.5  | 80.7  | 80.1  |
| 47.5° | 76.7  | 74.9  | 74.6  |
| 50°   | 71.5  | 69.1  | 68.8  |
| 52.5° | 66.6  | 64.2  | 63.6  |
| 55°   | 62.1  | 59.7  | 59.7  |
| 57.5° | 58.1  | 55.8  | 55.4  |
| 60°   | 54.5  | 52.0  | 51.7  |
| 62.5° | 51.7  | 48.7  | 48.4  |
| 65°   | 49.6  | 46.6  | 46.0  |
| 67.5° | 48.4  | 44.8  | 43.8  |
| 70°   | 50.6  | 43.8  | 42.3  |
| 72.5° | 50.9  | 42.9  | 40.8  |
| 75°   | 49.0  | 40.5  | 39.0  |
| 77.5° | 42.9  | 36.3  | 34.7  |
| 80°   | 37.1  | 28.0  | 25.9  |
| 82.5° | 35.3  | 22.8  | 19.8  |
| 85°   | 27.4  | 14.9  | 14.0  |
| 87.5° | 15.5  | 8.2   | 6.7   |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)