

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: P146546

Luminaire Tested: **RDG-F01-LED-E-U-T2-7050**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P146546  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-F01-LED-E-U-T2-7050  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2540 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9  
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



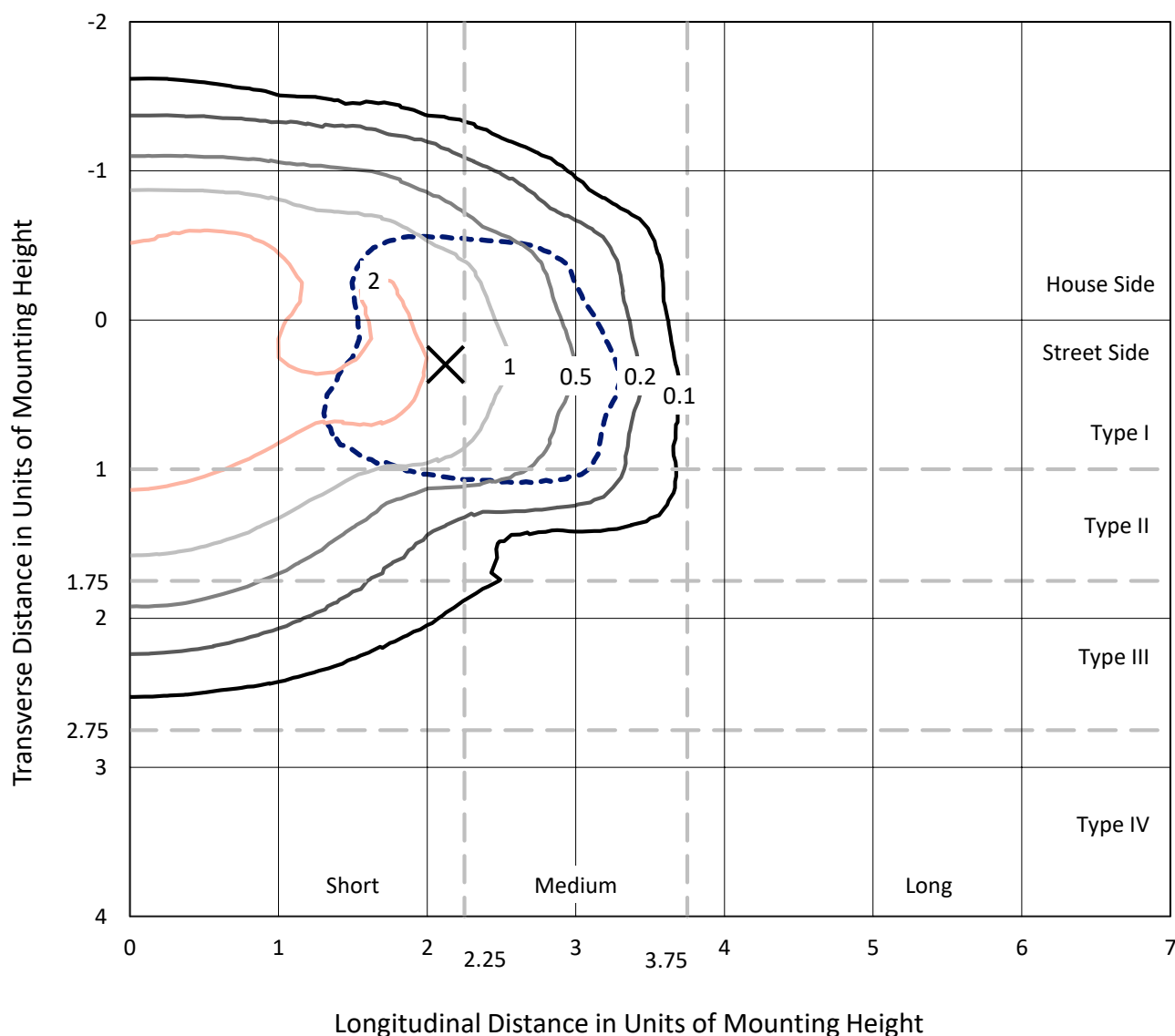
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

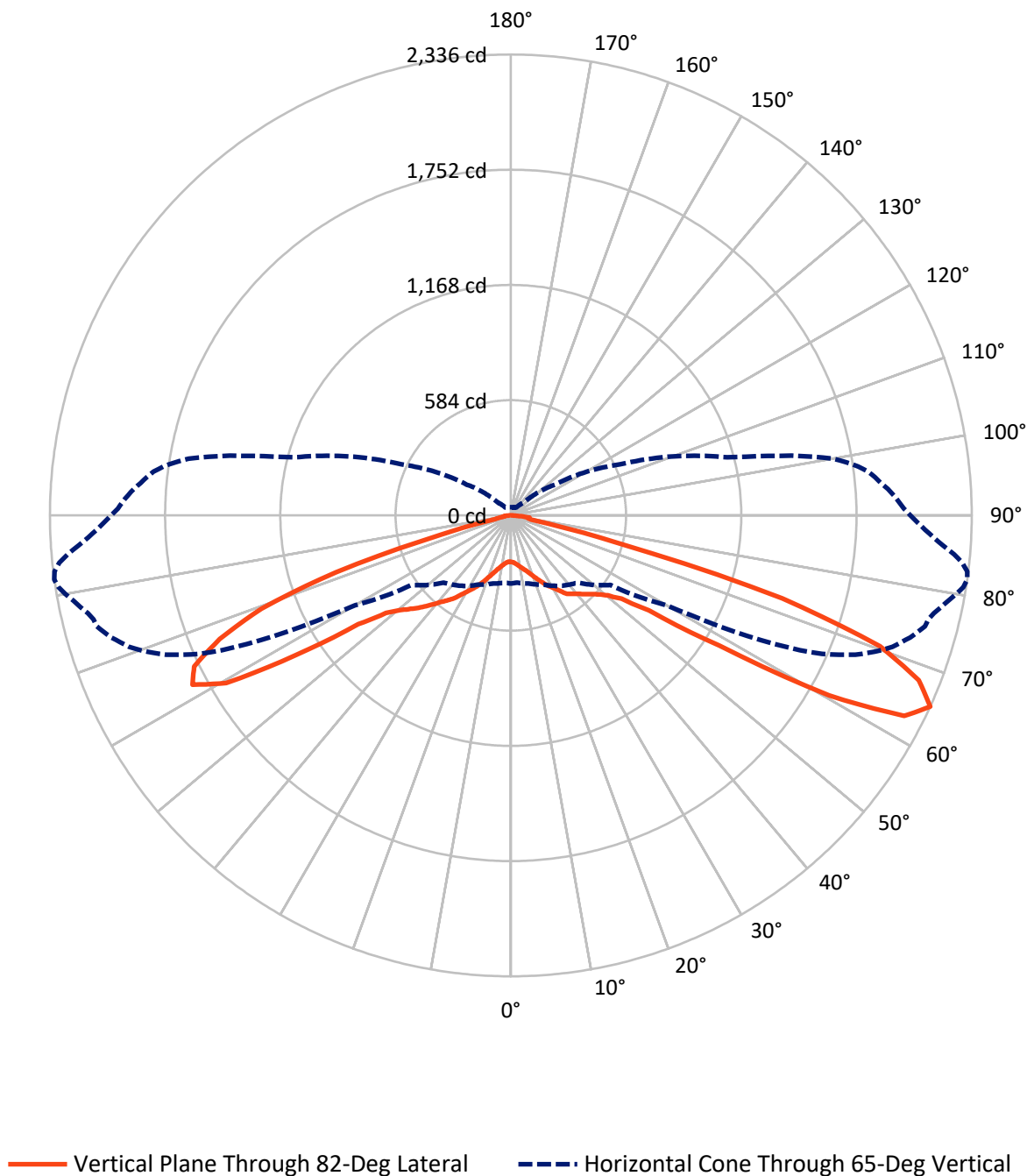


Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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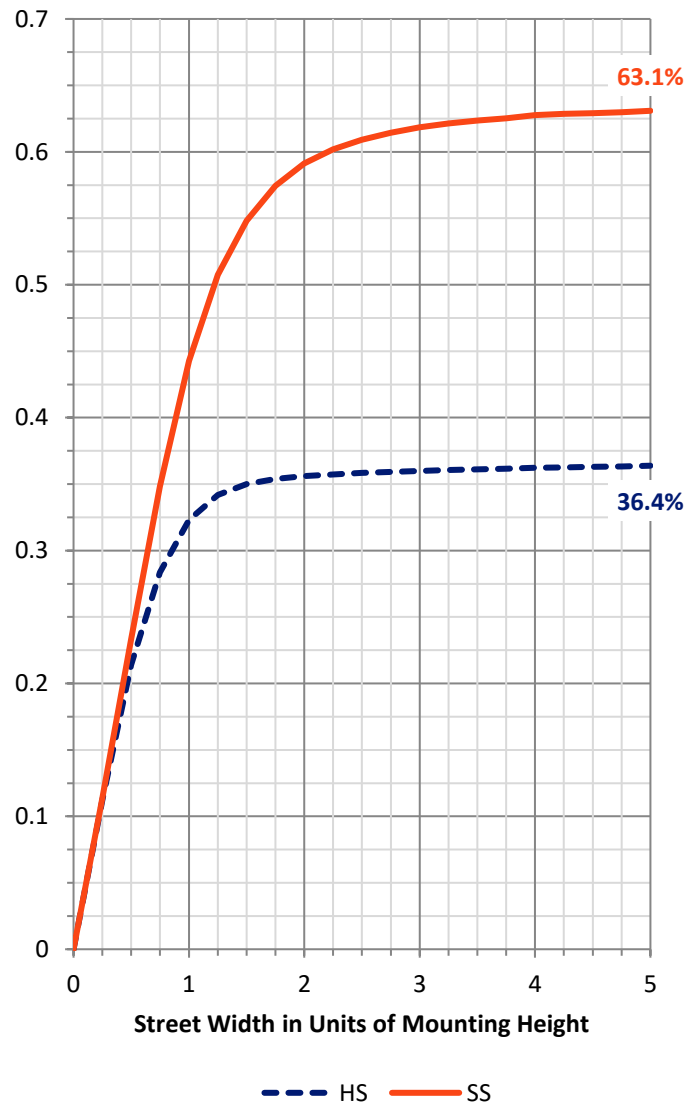
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 935.0    | 0.0    | 935.0  |
|                    | % Fixture | 36.8     | 0.0    | 36.8   |
| <b>Street Side</b> | Lumens    | 1605.0   | 0.0    | 1605.0 |
|                    | % Fixture | 63.2     | 0.0    | 63.2   |
| <b>Total</b>       | Lumens    | 2540.0   | 0.0    | 2540.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.9   | 0.9       |
| 10°-20°   | 84.1   | 3.3       |
| 20°-30°   | 166.8  | 6.6       |
| 30°-40°   | 284.7  | 11.2      |
| 40°-50°   | 426.9  | 16.8      |
| 50°-60°   | 594.2  | 23.4      |
| 60°-70°   | 682.7  | 26.9      |
| 70°-80°   | 235.6  | 9.3       |
| 80°-90°   | 41.2   | 1.6       |
| 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°    | 2540.0 | 100.0     |
| 0°-180°   | 2540.0 | 100.0     |

**Coefficient of Utilization**



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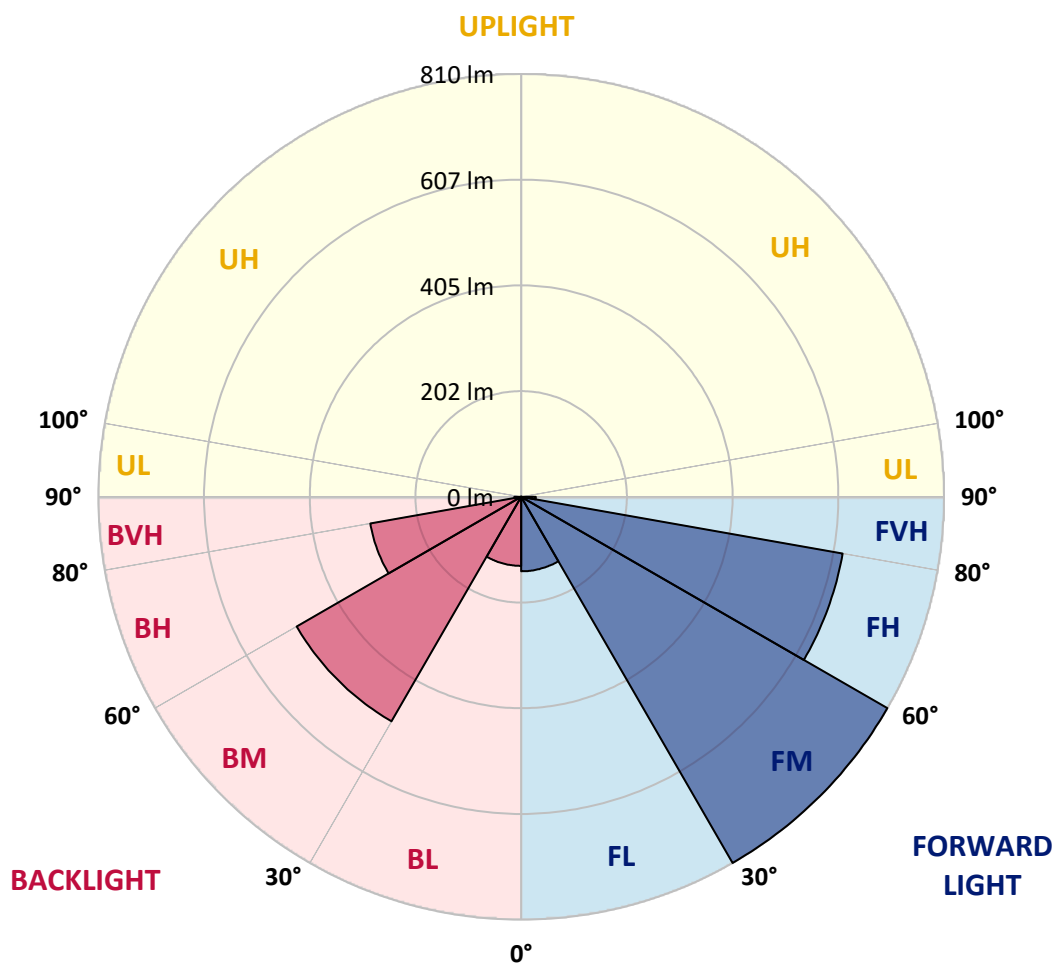
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 142.6  | 5.6       |                         |      |        |
| FM   | (30°-60°)   | 809.5  | 31.9      |                         |      |        |
| FH   | (60°-80°)   | 624.9  | 24.6      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 28.0   | 1.1       |                         |      | G1/100 |
| BL   | (0°-30°)    | 132.3  | 5.2       | B1/500                  |      |        |
| BM   | (30°-60°)   | 496.2  | 19.5      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 293.3  | 11.5      | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 13.2   | 0.5       |                         |      | 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°    | 235.3 | 235.3 | 235.3 | 235.3 | 235.3 | 235.3 | 235.3 | 235.3  | 235.3  | 235.3  | 235.3  |
| 2.5°  | 248.4 | 248.2 | 248.0 | 247.3 | 247.0 | 245.7 | 244.3 | 243.4  | 242.8  | 243.1  | 242.1  |
| 5°    | 262.8 | 262.8 | 262.1 | 261.2 | 260.2 | 258.4 | 255.0 | 253.3  | 252.9  | 252.9  | 251.8  |
| 7.5°  | 277.5 | 278.5 | 276.7 | 276.0 | 274.3 | 271.4 | 267.5 | 265.3  | 264.6  | 264.6  | 263.6  |
| 10°   | 296.1 | 295.6 | 293.6 | 292.2 | 288.9 | 285.0 | 279.7 | 277.2  | 276.1  | 277.0  | 275.3  |
| 12.5° | 315.8 | 315.6 | 312.6 | 310.0 | 305.3 | 299.0 | 292.1 | 288.7  | 288.0  | 288.0  | 287.0  |
| 15°   | 335.8 | 336.0 | 332.6 | 327.8 | 320.4 | 311.9 | 304.1 | 300.9  | 300.0  | 299.7  | 298.5  |
| 17.5° | 351.0 | 352.7 | 349.3 | 343.2 | 334.1 | 324.8 | 316.5 | 313.2  | 313.1  | 312.7  | 311.4  |
| 20°   | 359.7 | 360.0 | 358.1 | 353.7 | 345.6 | 336.6 | 330.9 | 329.3  | 329.2  | 329.3  | 329.7  |
| 22.5° | 359.3 | 359.8 | 359.2 | 357.5 | 352.2 | 347.3 | 346.6 | 347.5  | 348.0  | 347.5  | 348.7  |
| 25°   | 356.6 | 357.3 | 357.3 | 358.1 | 356.8 | 358.5 | 363.9 | 366.3  | 366.4  | 366.8  | 369.3  |
| 27.5° | 362.5 | 363.2 | 363.1 | 364.6 | 365.8 | 371.7 | 381.5 | 385.8  | 386.3  | 387.5  | 389.8  |
| 30°   | 390.0 | 390.2 | 387.1 | 386.9 | 388.1 | 392.9 | 402.9 | 407.8  | 407.3  | 409.6  | 411.2  |
| 32.5° | 433.4 | 434.7 | 431.7 | 428.5 | 427.9 | 428.6 | 430.5 | 433.9  | 433.4  | 434.5  | 436.6  |
| 35°   | 482.8 | 483.0 | 481.3 | 483.2 | 484.2 | 479.6 | 470.8 | 470.0  | 467.2  | 467.8  | 468.4  |
| 37.5° | 528.2 | 529.4 | 532.6 | 544.5 | 551.3 | 540.1 | 522.8 | 512.0  | 510.3  | 509.4  | 503.5  |
| 40°   | 570.8 | 576.7 | 584.5 | 599.9 | 609.2 | 613.3 | 588.7 | 566.9  | 560.9  | 558.6  | 549.2  |
| 42.5° | 620.6 | 623.6 | 632.8 | 650.4 | 662.8 | 681.2 | 664.8 | 640.7  | 633.8  | 623.6  | 611.9  |
| 45°   | 662.8 | 664.8 | 670.5 | 685.5 | 711.4 | 742.2 | 744.1 | 727.3  | 721.9  | 711.7  | 694.6  |
| 47.5° | 691.0 | 690.9 | 695.1 | 709.7 | 743.4 | 790.5 | 818.4 | 817.8  | 811.5  | 807.9  | 793.4  |
| 50°   | 702.1 | 701.9 | 704.6 | 720.9 | 757.6 | 819.3 | 881.0 | 902.1  | 902.0  | 903.3  | 895.9  |
| 52.5° | 704.1 | 703.9 | 704.3 | 717.3 | 754.7 | 829.3 | 926.0 | 976.0  | 983.3  | 992.4  | 1000.7 |
| 55°   | 688.8 | 690.5 | 694.3 | 708.0 | 743.9 | 825.2 | 959.4 | 1045.3 | 1062.7 | 1081.4 | 1111.5 |
| 57.5° | 653.6 | 656.8 | 669.7 | 694.3 | 732.4 | 815.2 | 982.6 | 1131.0 | 1166.4 | 1211.5 | 1293.1 |
| 60°   | 603.1 | 606.0 | 623.8 | 656.3 | 698.8 | 771.7 | 955.7 | 1166.9 | 1234.2 | 1312.5 | 1479.8 |
| 62.5° | 513.8 | 522.0 | 531.5 | 554.5 | 599.1 | 657.7 | 834.7 | 1106.3 | 1210.5 | 1325.3 | 1555.7 |
| 65°   | 345.1 | 341.7 | 357.5 | 386.8 | 435.7 | 481.3 | 615.0 | 912.5  | 1044.3 | 1202.3 | 1487.5 |
| 67.5° | 213.6 | 214.1 | 224.8 | 253.4 | 290.4 | 325.8 | 389.8 | 581.6  | 698.5  | 848.8  | 1191.7 |
| 70°   | 176.5 | 178.6 | 187.2 | 213.8 | 245.3 | 285.3 | 289.4 | 308.3  | 360.7  | 433.4  | 736.1  |
| 72.5° | 140.1 | 141.0 | 149.8 | 172.0 | 216.5 | 271.4 | 343.6 | 234.3  | 230.2  | 241.2  | 373.4  |
| 75°   | 86.9  | 87.6  | 92.0  | 106.2 | 140.4 | 211.4 | 378.3 | 269.4  | 252.4  | 238.2  | 240.6  |
| 77.5° | 44.9  | 46.3  | 48.6  | 55.1  | 73.7  | 118.1 | 297.8 | 341.5  | 322.2  | 302.9  | 265.1  |
| 80°   | 25.4  | 25.4  | 27.6  | 29.1  | 34.9  | 48.1  | 151.5 | 369.7  | 403.9  | 412.2  | 370.2  |
| 82.5° | 11.4  | 12.7  | 17.1  | 18.3  | 20.0  | 22.0  | 50.1  | 222.1  | 308.2  | 384.9  | 475.7  |
| 85°   | 6.8   | 6.6   | 10.8  | 11.9  | 12.4  | 10.5  | 18.8  | 90.6   | 144.0  | 210.8  | 315.3  |
| 87.5° | 2.7   | 2.9   | 4.6   | 4.9   | 5.8   | 4.2   | 7.1   | 19.5   | 28.6   | 41.5   | 58.6   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  |
| 2.5°  | 241.9  | 241.9  | 241.8  | 241.6  | 241.4  | 240.9  | 240.7  | 240.4  | 240.2  | 239.7  | 239.6  |
| 5°    | 251.6  | 251.1  | 250.9  | 250.6  | 250.4  | 249.7  | 249.7  | 249.0  | 248.5  | 247.9  | 247.7  |
| 7.5°  | 263.1  | 262.4  | 261.9  | 261.6  | 261.4  | 260.2  | 260.2  | 259.2  | 259.0  | 258.2  | 257.8  |
| 10°   | 274.8  | 274.3  | 273.6  | 273.3  | 273.1  | 272.4  | 271.7  | 271.1  | 270.6  | 270.0  | 269.4  |
| 12.5° | 286.5  | 285.5  | 285.1  | 284.6  | 284.3  | 283.8  | 283.6  | 282.1  | 282.1  | 281.6  | 280.9  |
| 15°   | 297.8  | 297.7  | 296.5  | 296.3  | 296.0  | 296.1  | 295.1  | 295.3  | 294.8  | 293.9  | 293.6  |
| 17.5° | 311.7  | 310.5  | 311.0  | 310.2  | 310.4  | 310.0  | 309.7  | 309.5  | 309.9  | 309.7  | 310.0  |
| 20°   | 329.0  | 328.7  | 329.2  | 328.0  | 329.2  | 329.3  | 329.0  | 329.9  | 329.5  | 329.9  | 328.8  |
| 22.5° | 349.5  | 348.3  | 348.3  | 349.2  | 349.7  | 351.2  | 350.4  | 351.0  | 351.7  | 352.2  | 351.5  |
| 25°   | 370.2  | 369.8  | 370.5  | 371.2  | 372.2  | 373.6  | 373.2  | 373.4  | 374.7  | 375.6  | 375.8  |
| 27.5° | 391.2  | 391.2  | 393.2  | 393.2  | 394.6  | 396.1  | 396.6  | 397.3  | 398.3  | 399.5  | 399.5  |
| 30°   | 412.9  | 412.9  | 414.7  | 416.4  | 417.1  | 419.0  | 420.0  | 421.0  | 422.9  | 423.2  | 424.7  |
| 32.5° | 437.6  | 438.1  | 440.0  | 441.0  | 442.5  | 444.7  | 445.1  | 446.2  | 448.4  | 449.1  | 450.3  |
| 35°   | 469.8  | 468.1  | 469.8  | 471.7  | 472.5  | 471.8  | 475.5  | 477.1  | 478.6  | 479.4  | 481.0  |
| 37.5° | 503.0  | 500.1  | 500.3  | 499.9  | 497.9  | 499.1  | 499.1  | 498.8  | 499.8  | 499.6  | 500.3  |
| 40°   | 545.0  | 539.9  | 538.4  | 535.2  | 530.8  | 528.4  | 525.9  | 525.5  | 523.0  | 524.0  | 522.1  |
| 42.5° | 602.6  | 595.0  | 590.9  | 580.9  | 575.5  | 569.1  | 562.8  | 557.4  | 554.5  | 551.3  | 548.9  |
| 45°   | 681.7  | 672.7  | 662.9  | 646.8  | 637.5  | 624.6  | 616.3  | 604.0  | 595.7  | 588.7  | 583.8  |
| 47.5° | 781.0  | 765.9  | 758.0  | 742.9  | 726.6  | 707.1  | 689.4  | 672.1  | 658.0  | 642.8  | 630.7  |
| 50°   | 896.4  | 877.6  | 871.3  | 851.3  | 842.2  | 820.3  | 801.3  | 780.0  | 758.0  | 734.9  | 712.9  |
| 52.5° | 998.5  | 996.3  | 998.9  | 985.5  | 985.1  | 974.1  | 953.1  | 928.2  | 907.7  | 884.5  | 855.5  |
| 55°   | 1121.0 | 1142.9 | 1147.6 | 1145.8 | 1155.7 | 1155.4 | 1153.4 | 1150.8 | 1134.6 | 1101.7 | 1091.7 |
| 57.5° | 1337.2 | 1361.8 | 1398.0 | 1414.4 | 1450.7 | 1454.9 | 1488.5 | 1475.4 | 1500.3 | 1493.6 | 1498.1 |
| 60°   | 1557.3 | 1632.7 | 1701.4 | 1753.8 | 1804.6 | 1850.9 | 1907.4 | 1931.7 | 1949.8 | 1978.1 | 2007.9 |
| 62.5° | 1655.7 | 1750.7 | 1832.7 | 1907.3 | 1970.5 | 2029.1 | 2077.7 | 2123.8 | 2160.0 | 2192.6 | 2217.6 |
| 65°   | 1615.9 | 1726.2 | 1806.1 | 1883.9 | 1942.9 | 1997.4 | 2045.7 | 2080.2 | 2116.3 | 2145.8 | 2172.4 |
| 67.5° | 1345.3 | 1492.2 | 1596.6 | 1684.8 | 1758.9 | 1821.0 | 1871.2 | 1918.8 | 1944.4 | 1976.6 | 1991.0 |
| 70°   | 891.1  | 1079.5 | 1227.1 | 1346.3 | 1463.7 | 1534.2 | 1593.7 | 1649.1 | 1678.2 | 1704.3 | 1720.4 |
| 72.5° | 489.4  | 618.2  | 775.8  | 917.6  | 1030.4 | 1122.9 | 1192.2 | 1244.7 | 1274.7 | 1297.0 | 1273.8 |
| 75°   | 277.3  | 340.9  | 417.9  | 496.4  | 581.9  | 647.2  | 665.5  | 687.8  | 693.1  | 681.6  | 651.7  |
| 77.5° | 255.0  | 255.0  | 255.1  | 253.3  | 257.0  | 261.6  | 258.9  | 254.3  | 233.6  | 229.0  | 222.6  |
| 80°   | 331.5  | 295.5  | 256.8  | 210.9  | 172.0  | 145.0  | 136.7  | 137.4  | 144.0  | 156.9  | 171.1  |
| 82.5° | 470.0  | 434.4  | 378.6  | 308.7  | 245.7  | 192.8  | 158.1  | 142.1  | 142.0  | 154.8  | 173.3  |
| 85°   | 342.7  | 345.6  | 333.2  | 294.8  | 235.1  | 185.2  | 149.6  | 114.9  | 103.7  | 103.7  | 102.3  |
| 87.5° | 60.0   | 61.8   | 53.4   | 47.8   | 33.4   | 23.5   | 21.2   | 18.6   | 18.5   | 19.1   | 17.6   |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  |
| 2.5°  | 239.6  | 239.2  | 238.9  | 238.7  | 238.7  | 238.4  | 238.4  | 238.0  | 238.2  | 238.0  | 237.5  |
| 5°    | 247.3  | 247.2  | 246.7  | 245.8  | 245.7  | 245.0  | 245.1  | 244.5  | 244.5  | 244.1  | 243.3  |
| 7.5°  | 257.2  | 256.8  | 256.5  | 255.8  | 255.1  | 255.1  | 254.0  | 254.0  | 253.1  | 252.8  | 252.1  |
| 10°   | 268.9  | 267.8  | 267.3  | 266.7  | 266.5  | 266.3  | 265.1  | 265.1  | 264.1  | 263.9  | 263.4  |
| 12.5° | 280.4  | 279.7  | 279.2  | 278.9  | 278.0  | 277.8  | 277.3  | 276.8  | 276.3  | 276.0  | 275.8  |
| 15°   | 292.9  | 292.6  | 292.1  | 292.1  | 292.1  | 291.2  | 290.7  | 290.4  | 290.4  | 289.9  | 290.2  |
| 17.5° | 309.2  | 309.7  | 309.0  | 308.7  | 308.2  | 309.0  | 308.2  | 308.2  | 308.7  | 308.7  | 307.5  |
| 20°   | 329.3  | 330.0  | 329.3  | 329.5  | 329.2  | 329.3  | 329.5  | 329.9  | 330.5  | 329.3  | 329.5  |
| 22.5° | 351.7  | 351.9  | 352.4  | 351.9  | 352.7  | 352.2  | 353.2  | 354.1  | 353.9  | 353.6  | 353.7  |
| 25°   | 376.1  | 375.6  | 375.8  | 377.3  | 378.5  | 378.1  | 378.3  | 379.7  | 379.3  | 379.0  | 379.2  |
| 27.5° | 400.8  | 400.5  | 401.0  | 402.4  | 403.7  | 403.5  | 403.2  | 404.2  | 404.2  | 403.4  | 403.7  |
| 30°   | 425.4  | 425.9  | 426.8  | 426.8  | 427.4  | 428.1  | 427.6  | 428.8  | 429.0  | 428.3  | 429.1  |
| 32.5° | 451.3  | 452.3  | 452.0  | 454.4  | 454.4  | 454.5  | 455.0  | 454.9  | 456.6  | 455.2  | 455.7  |
| 35°   | 482.5  | 482.8  | 484.9  | 486.6  | 487.6  | 488.4  | 488.4  | 488.9  | 489.8  | 489.1  | 490.1  |
| 37.5° | 501.5  | 502.1  | 502.8  | 503.8  | 503.8  | 503.8  | 504.7  | 504.9  | 505.4  | 505.2  | 505.5  |
| 40°   | 522.3  | 522.5  | 522.6  | 522.8  | 523.5  | 523.8  | 523.0  | 524.2  | 523.3  | 523.7  | 524.2  |
| 42.5° | 547.5  | 545.2  | 545.5  | 545.0  | 546.2  | 544.7  | 545.0  | 546.4  | 545.7  | 546.7  | 546.7  |
| 45°   | 576.9  | 574.1  | 571.8  | 570.4  | 570.4  | 568.4  | 568.7  | 569.2  | 570.1  | 571.4  | 573.8  |
| 47.5° | 620.2  | 610.9  | 606.3  | 601.6  | 599.2  | 596.7  | 597.5  | 597.7  | 598.0  | 600.2  | 606.2  |
| 50°   | 691.2  | 675.6  | 663.6  | 649.2  | 643.8  | 639.4  | 636.8  | 637.0  | 637.0  | 641.6  | 647.5  |
| 52.5° | 828.4  | 799.5  | 770.8  | 745.8  | 724.2  | 713.9  | 701.9  | 698.8  | 699.0  | 702.9  | 707.0  |
| 55°   | 1065.5 | 1025.6 | 995.3  | 939.6  | 922.6  | 875.0  | 850.0  | 835.6  | 824.4  | 829.8  | 835.7  |
| 57.5° | 1490.7 | 1453.9 | 1429.9 | 1363.3 | 1302.6 | 1285.4 | 1244.2 | 1210.8 | 1197.1 | 1181.2 | 1182.2 |
| 60°   | 2012.3 | 1993.3 | 1987.2 | 1948.3 | 1926.4 | 1858.5 | 1853.1 | 1810.9 | 1771.1 | 1736.7 | 1750.7 |
| 62.5° | 2237.0 | 2245.8 | 2252.9 | 2266.6 | 2271.9 | 2265.4 | 2238.1 | 2219.5 | 2186.8 | 2141.7 | 2114.1 |
| 65°   | 2180.2 | 2200.4 | 2230.7 | 2259.3 | 2293.5 | 2322.0 | 2336.1 | 2330.6 | 2301.2 | 2254.7 | 2196.8 |
| 67.5° | 2001.3 | 2021.8 | 2047.9 | 2084.1 | 2136.5 | 2191.9 | 2230.5 | 2255.1 | 2231.7 | 2189.9 | 2130.9 |
| 70°   | 1719.6 | 1739.6 | 1740.4 | 1791.1 | 1847.5 | 1917.3 | 1985.7 | 2011.5 | 1984.9 | 1956.9 | 1907.6 |
| 72.5° | 1287.9 | 1275.9 | 1287.0 | 1296.4 | 1328.6 | 1372.6 | 1439.0 | 1436.1 | 1395.5 | 1373.8 | 1298.1 |
| 75°   | 605.3  | 597.2  | 585.3  | 577.5  | 570.1  | 554.5  | 561.9  | 530.1  | 519.1  | 523.5  | 458.1  |
| 77.5° | 217.7  | 206.5  | 188.6  | 171.1  | 149.1  | 123.5  | 104.2  | 91.5   | 85.2   | 85.4   | 81.5   |
| 80°   | 182.6  | 188.1  | 185.5  | 168.2  | 143.5  | 116.7  | 87.4   | 66.2   | 56.6   | 52.5   | 50.0   |
| 82.5° | 198.0  | 225.3  | 238.9  | 228.2  | 192.8  | 148.4  | 95.6   | 57.8   | 42.4   | 36.3   | 34.7   |
| 85°   | 109.8  | 110.0  | 106.6  | 101.8  | 90.3   | 62.0   | 41.3   | 27.4   | 22.0   | 19.7   | 19.0   |
| 87.5° | 18.6   | 17.8   | 17.8   | 16.6   | 14.6   | 14.2   | 12.7   | 12.0   | 10.7   | 9.8    | 9.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 87°    | 88°    | 89°    | 90°    | 91°    | 92°    | 93°    | 94°    | 95°    | 96°    | 97°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  |
| 2.5°  | 237.0  | 236.7  | 236.5  | 236.3  | 236.3  | 236.2  | 236.2  | 235.8  | 235.5  | 235.3  | 235.1  |
| 5°    | 242.4  | 242.1  | 241.8  | 241.4  | 241.4  | 241.1  | 240.7  | 240.4  | 239.9  | 239.0  | 238.9  |
| 7.5°  | 251.6  | 250.9  | 250.9  | 249.7  | 249.7  | 249.0  | 248.5  | 248.5  | 247.9  | 246.5  | 246.3  |
| 10°   | 262.9  | 261.7  | 261.2  | 260.6  | 260.2  | 259.5  | 259.5  | 258.9  | 258.5  | 258.0  | 256.3  |
| 12.5° | 275.1  | 274.3  | 273.9  | 273.1  | 272.6  | 272.6  | 272.3  | 271.1  | 271.9  | 270.7  | 269.9  |
| 15°   | 289.9  | 289.7  | 288.2  | 288.7  | 288.5  | 288.3  | 288.5  | 287.5  | 287.3  | 287.3  | 286.3  |
| 17.5° | 308.3  | 307.0  | 307.1  | 307.1  | 307.5  | 307.5  | 306.1  | 306.8  | 307.0  | 306.6  | 306.3  |
| 20°   | 330.0  | 329.5  | 330.0  | 329.0  | 330.0  | 330.0  | 330.7  | 330.5  | 330.7  | 331.0  | 331.0  |
| 22.5° | 353.2  | 354.6  | 354.8  | 355.1  | 353.9  | 355.9  | 355.9  | 356.3  | 357.1  | 357.1  | 357.5  |
| 25°   | 381.4  | 380.7  | 379.8  | 381.0  | 381.4  | 382.7  | 383.0  | 383.0  | 384.4  | 384.4  | 384.9  |
| 27.5° | 404.7  | 405.4  | 405.2  | 405.9  | 405.6  | 407.4  | 408.1  | 410.2  | 409.6  | 410.7  | 412.0  |
| 30°   | 428.8  | 430.1  | 429.5  | 429.6  | 430.5  | 431.7  | 433.0  | 435.1  | 435.4  | 438.1  | 438.8  |
| 32.5° | 456.6  | 457.6  | 458.4  | 458.8  | 458.8  | 460.8  | 463.0  | 463.7  | 467.2  | 469.3  | 471.7  |
| 35°   | 491.8  | 492.0  | 492.5  | 493.0  | 492.7  | 494.9  | 497.1  | 497.7  | 501.5  | 502.0  | 506.9  |
| 37.5° | 506.7  | 507.1  | 509.1  | 510.1  | 510.8  | 513.5  | 517.6  | 520.6  | 524.7  | 528.6  | 534.2  |
| 40°   | 525.4  | 527.4  | 529.3  | 530.8  | 533.3  | 537.0  | 543.3  | 546.4  | 552.5  | 559.7  | 565.2  |
| 42.5° | 548.9  | 552.6  | 554.0  | 556.9  | 563.1  | 567.7  | 574.0  | 580.6  | 588.7  | 597.5  | 604.0  |
| 45°   | 576.9  | 580.4  | 585.5  | 588.7  | 596.0  | 603.3  | 613.3  | 619.0  | 627.3  | 637.5  | 644.6  |
| 47.5° | 610.7  | 615.7  | 620.7  | 627.3  | 636.0  | 643.6  | 653.6  | 661.1  | 669.4  | 677.7  | 685.5  |
| 50°   | 652.9  | 660.2  | 667.0  | 673.9  | 685.5  | 691.9  | 701.7  | 709.5  | 717.3  | 725.6  | 732.7  |
| 52.5° | 709.7  | 720.7  | 729.3  | 734.1  | 749.7  | 756.1  | 768.1  | 773.5  | 780.0  | 787.4  | 796.6  |
| 55°   | 833.5  | 850.6  | 865.2  | 873.7  | 897.4  | 905.9  | 921.4  | 929.4  | 925.0  | 934.5  | 950.9  |
| 57.5° | 1191.7 | 1212.7 | 1230.1 | 1241.6 | 1265.9 | 1277.7 | 1278.6 | 1308.4 | 1290.8 | 1308.2 | 1310.8 |
| 60°   | 1713.3 | 1729.9 | 1725.7 | 1725.8 | 1718.2 | 1707.2 | 1728.4 | 1696.2 | 1709.7 | 1710.6 | 1680.3 |
| 62.5° | 2063.1 | 2037.7 | 2025.9 | 2006.2 | 1983.3 | 1965.7 | 1953.7 | 1927.8 | 1907.1 | 1890.7 | 1858.7 |
| 65°   | 2145.5 | 2101.4 | 2062.5 | 2025.7 | 1992.0 | 1968.6 | 1943.2 | 1915.4 | 1883.0 | 1855.8 | 1824.6 |
| 67.5° | 2065.8 | 2004.2 | 1946.4 | 1898.0 | 1851.9 | 1821.0 | 1784.3 | 1757.9 | 1717.2 | 1681.3 | 1657.6 |
| 70°   | 1834.9 | 1749.5 | 1682.1 | 1651.1 | 1605.4 | 1539.1 | 1504.1 | 1471.0 | 1446.1 | 1413.6 | 1399.2 |
| 72.5° | 1287.2 | 1181.8 | 1129.8 | 1131.9 | 1085.4 | 1038.0 | 1039.2 | 1019.0 | 986.8  | 985.8  | 980.9  |
| 75°   | 473.0  | 430.3  | 400.3  | 401.7  | 384.4  | 365.9  | 371.0  | 376.4  | 365.9  | 387.3  | 354.2  |
| 77.5° | 75.2   | 73.2   | 72.5   | 71.0   | 67.3   | 70.0   | 68.1   | 71.7   | 72.2   | 76.1   | 76.4   |
| 80°   | 47.9   | 45.9   | 45.4   | 44.6   | 44.4   | 44.4   | 44.0   | 44.0   | 44.0   | 44.2   | 43.9   |
| 82.5° | 32.0   | 30.8   | 30.7   | 30.2   | 31.0   | 31.2   | 31.3   | 32.7   | 33.9   | 34.2   | 35.6   |
| 85°   | 17.4   | 16.6   | 16.6   | 16.3   | 16.9   | 17.1   | 18.6   | 20.5   | 22.9   | 23.9   | 26.1   |
| 87.5° | 8.8    | 9.3    | 9.1    | 9.5    | 10.0   | 11.2   | 12.4   | 13.6   | 14.9   | 16.8   | 18.3   |
| 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):**

|       | 98°    | 99°    | 100°   | 101°   | 102°   | 103°   | 104°   | 105°   | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3  | 235.3 | 235.3 | 235.3 |
| 2.5°  | 234.8  | 234.6  | 234.6  | 234.3  | 234.3  | 234.1  | 233.8  | 233.5  | 231.9 | 230.1 | 228.9 |
| 5°    | 238.4  | 238.0  | 237.9  | 237.5  | 237.0  | 237.0  | 236.5  | 235.8  | 232.9 | 229.9 | 228.0 |
| 7.5°  | 245.7  | 245.5  | 245.0  | 244.3  | 243.6  | 242.9  | 242.6  | 242.3  | 237.9 | 235.0 | 233.6 |
| 10°   | 256.2  | 256.0  | 254.8  | 254.6  | 253.6  | 253.8  | 252.9  | 252.3  | 249.4 | 246.2 | 244.3 |
| 12.5° | 269.5  | 270.2  | 269.5  | 268.0  | 268.4  | 267.8  | 267.0  | 266.2  | 263.6 | 261.1 | 258.2 |
| 15°   | 286.1  | 285.3  | 284.6  | 286.0  | 284.8  | 284.6  | 285.1  | 285.3  | 282.2 | 279.5 | 275.5 |
| 17.5° | 306.8  | 306.8  | 306.5  | 306.8  | 306.1  | 306.6  | 306.3  | 306.6  | 305.3 | 301.6 | 295.6 |
| 20°   | 330.4  | 331.7  | 331.7  | 331.2  | 331.0  | 332.1  | 332.6  | 330.7  | 331.0 | 327.8 | 317.1 |
| 22.5° | 357.8  | 358.8  | 359.2  | 358.7  | 358.8  | 360.2  | 361.0  | 359.7  | 362.7 | 357.5 | 341.0 |
| 25°   | 386.1  | 387.6  | 386.9  | 387.1  | 388.5  | 390.0  | 391.5  | 390.2  | 396.1 | 388.0 | 366.4 |
| 27.5° | 414.1  | 415.4  | 415.1  | 416.1  | 418.3  | 420.3  | 422.0  | 421.5  | 431.3 | 420.7 | 393.2 |
| 30°   | 440.5  | 443.7  | 444.4  | 445.6  | 448.3  | 451.7  | 454.4  | 454.2  | 466.9 | 452.5 | 415.1 |
| 32.5° | 473.0  | 476.6  | 477.9  | 480.5  | 485.7  | 488.1  | 491.5  | 491.8  | 504.5 | 480.5 | 433.5 |
| 35°   | 510.6  | 514.2  | 517.1  | 518.9  | 524.8  | 527.7  | 531.1  | 532.6  | 541.1 | 506.6 | 446.4 |
| 37.5° | 539.8  | 542.8  | 548.4  | 552.3  | 557.5  | 563.3  | 567.2  | 569.1  | 573.8 | 528.9 | 452.3 |
| 40°   | 571.6  | 578.2  | 583.6  | 589.6  | 595.3  | 599.9  | 603.5  | 606.3  | 604.5 | 547.5 | 449.8 |
| 42.5° | 611.9  | 618.9  | 626.2  | 631.2  | 634.3  | 640.4  | 642.1  | 644.1  | 628.9 | 556.0 | 438.3 |
| 45°   | 653.9  | 659.5  | 665.6  | 669.4  | 673.4  | 676.5  | 677.0  | 677.2  | 647.0 | 551.1 | 417.4 |
| 47.5° | 694.4  | 699.2  | 703.4  | 705.4  | 707.5  | 707.6  | 706.8  | 705.4  | 656.7 | 534.5 | 392.4 |
| 50°   | 738.8  | 741.7  | 743.6  | 743.7  | 745.6  | 742.0  | 739.7  | 733.4  | 655.6 | 509.1 | 365.9 |
| 52.5° | 802.7  | 802.0  | 799.6  | 799.5  | 793.5  | 786.8  | 782.4  | 773.4  | 648.7 | 481.6 | 335.4 |
| 55°   | 949.4  | 943.0  | 950.4  | 931.4  | 915.7  | 905.2  | 880.3  | 862.2  | 655.6 | 456.1 | 300.4 |
| 57.5° | 1302.0 | 1279.9 | 1282.3 | 1251.6 | 1218.1 | 1155.2 | 1118.1 | 1068.0 | 710.2 | 441.8 | 256.2 |
| 60°   | 1673.8 | 1637.6 | 1603.3 | 1549.0 | 1477.6 | 1397.8 | 1326.0 | 1247.6 | 764.4 | 424.4 | 209.1 |
| 62.5° | 1827.3 | 1780.6 | 1721.1 | 1644.3 | 1552.7 | 1453.8 | 1354.5 | 1265.0 | 734.6 | 371.9 | 150.6 |
| 65°   | 1777.8 | 1721.9 | 1658.6 | 1558.4 | 1454.4 | 1339.4 | 1230.6 | 1136.1 | 611.8 | 271.9 | 91.0  |
| 67.5° | 1602.2 | 1554.0 | 1475.9 | 1381.4 | 1252.7 | 1137.3 | 1029.7 | 942.3  | 451.0 | 168.1 | 52.2  |
| 70°   | 1349.1 | 1282.5 | 1215.7 | 1124.9 | 989.2  | 880.5  | 780.3  | 703.1  | 286.1 | 83.0  | 38.5  |
| 72.5° | 931.1  | 878.4  | 825.1  | 743.7  | 642.4  | 567.5  | 481.5  | 417.9  | 149.8 | 44.7  | 35.4  |
| 75°   | 362.7  | 357.0  | 350.9  | 313.9  | 279.5  | 224.0  | 196.7  | 177.4  | 62.3  | 38.8  | 34.9  |
| 77.5° | 79.6   | 84.4   | 87.1   | 82.5   | 78.6   | 70.1   | 67.1   | 60.0   | 41.7  | 39.8  | 34.6  |
| 80°   | 43.9   | 43.9   | 43.9   | 44.4   | 43.5   | 43.5   | 43.0   | 42.2   | 39.0  | 39.8  | 33.9  |
| 82.5° | 35.9   | 36.4   | 37.1   | 37.3   | 37.1   | 37.3   | 36.9   | 36.8   | 38.1  | 40.0  | 32.2  |
| 85°   | 27.4   | 29.1   | 30.2   | 31.5   | 32.9   | 33.7   | 34.1   | 34.2   | 35.1  | 37.9  | 28.1  |
| 87.5° | 19.5   | 20.8   | 23.0   | 23.4   | 24.9   | 26.8   | 27.4   | 28.5   | 28.0  | 28.8  | 13.2  |
| 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):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 235.3 | 235.3 | 235.3 | 235.3 | 235.3 |
| 2.5°  | 227.9 | 226.5 | 226.0 | 225.8 | 225.5 |
| 5°    | 226.5 | 225.7 | 225.0 | 224.5 | 224.8 |
| 7.5°  | 232.6 | 232.1 | 230.9 | 230.6 | 231.1 |
| 10°   | 243.4 | 242.3 | 240.6 | 240.7 | 240.6 |
| 12.5° | 257.0 | 253.8 | 251.1 | 249.9 | 249.0 |
| 15°   | 270.9 | 264.6 | 259.0 | 256.5 | 255.5 |
| 17.5° | 286.3 | 275.6 | 267.0 | 262.4 | 261.6 |
| 20°   | 302.6 | 287.8 | 276.7 | 271.2 | 270.4 |
| 22.5° | 321.4 | 301.1 | 286.8 | 279.4 | 278.2 |
| 25°   | 339.7 | 312.9 | 293.9 | 284.8 | 283.3 |
| 27.5° | 356.3 | 321.9 | 298.2 | 287.3 | 285.8 |
| 30°   | 370.2 | 329.0 | 301.7 | 289.4 | 287.7 |
| 32.5° | 379.3 | 332.9 | 302.9 | 289.5 | 287.5 |
| 35°   | 382.2 | 330.4 | 297.8 | 282.4 | 280.7 |
| 37.5° | 376.1 | 320.0 | 284.3 | 266.8 | 265.5 |
| 40°   | 362.2 | 300.9 | 262.9 | 244.8 | 243.1 |
| 42.5° | 340.5 | 276.7 | 238.2 | 219.1 | 217.5 |
| 45°   | 316.5 | 250.7 | 211.9 | 192.8 | 191.3 |
| 47.5° | 290.2 | 223.3 | 184.3 | 166.7 | 164.3 |
| 50°   | 261.4 | 193.5 | 156.2 | 138.9 | 136.7 |
| 52.5° | 227.7 | 160.9 | 126.4 | 110.8 | 109.4 |
| 55°   | 188.2 | 128.2 | 100.6 | 89.3  | 87.9  |
| 57.5° | 146.4 | 97.6  | 80.0  | 74.4  | 72.2  |
| 60°   | 106.2 | 74.2  | 63.7  | 61.0  | 59.8  |
| 62.5° | 72.2  | 55.4  | 51.3  | 50.5  | 49.6  |
| 65°   | 49.0  | 43.4  | 42.2  | 42.4  | 41.8  |
| 67.5° | 38.6  | 36.4  | 35.7  | 36.1  | 35.9  |
| 70°   | 33.9  | 32.2  | 32.0  | 32.4  | 32.2  |
| 72.5° | 32.0  | 29.8  | 30.2  | 30.7  | 30.5  |
| 75°   | 31.2  | 28.8  | 29.5  | 29.8  | 29.0  |
| 77.5° | 30.3  | 27.3  | 29.3  | 30.0  | 28.3  |
| 80°   | 29.1  | 25.9  | 30.7  | 30.3  | 27.1  |
| 82.5° | 26.6  | 22.9  | 30.0  | 27.4  | 24.4  |
| 85°   | 21.7  | 17.1  | 33.7  | 24.2  | 17.8  |
| 87.5° | 13.9  | 10.3  | 23.4  | 18.5  | 11.9  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)