

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: P145395

Luminaire Tested: **RDG-F02-LED-E-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145395  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-F02-LED-E-U-SL3  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (14) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4901.5 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 55  
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



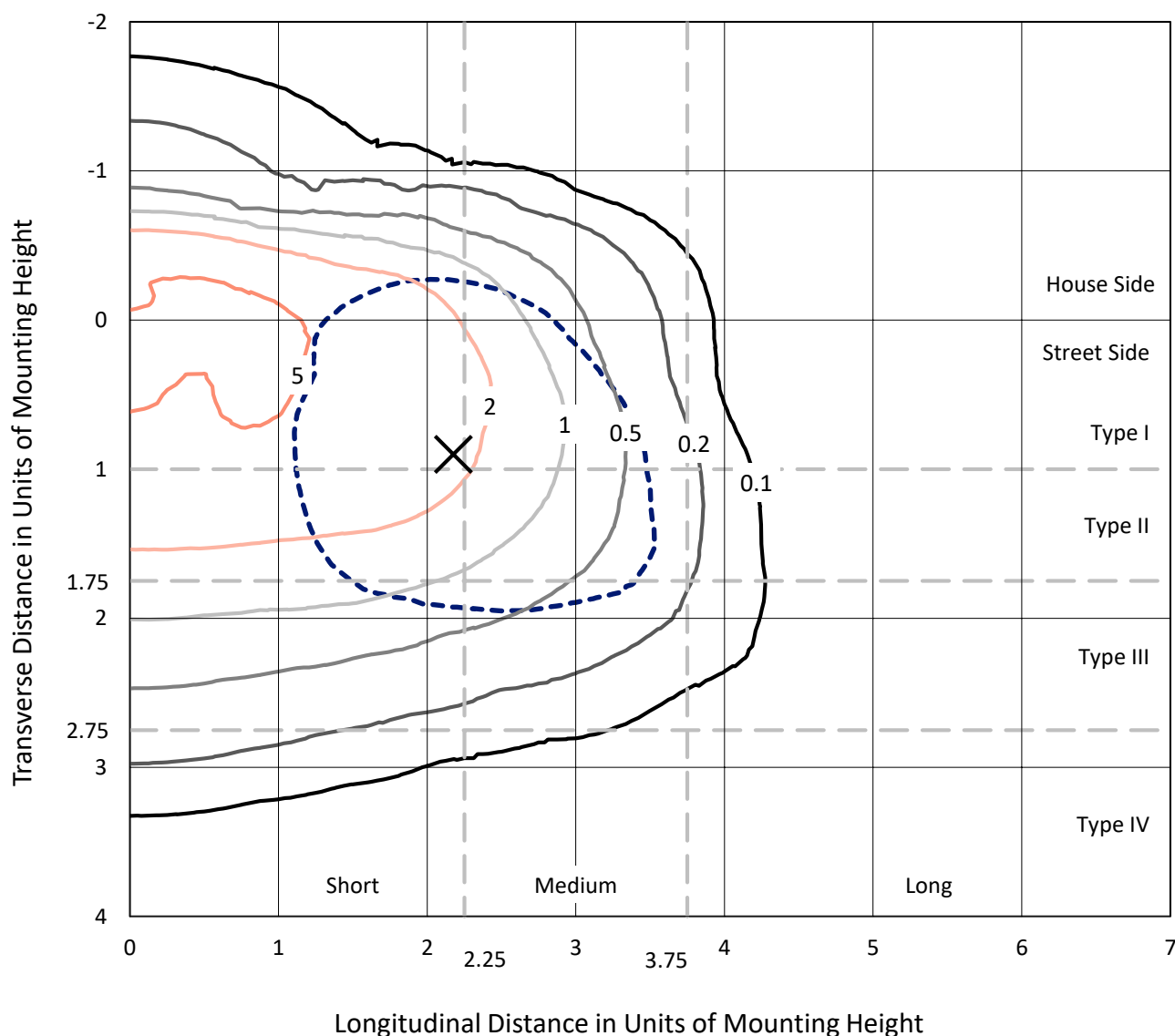
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

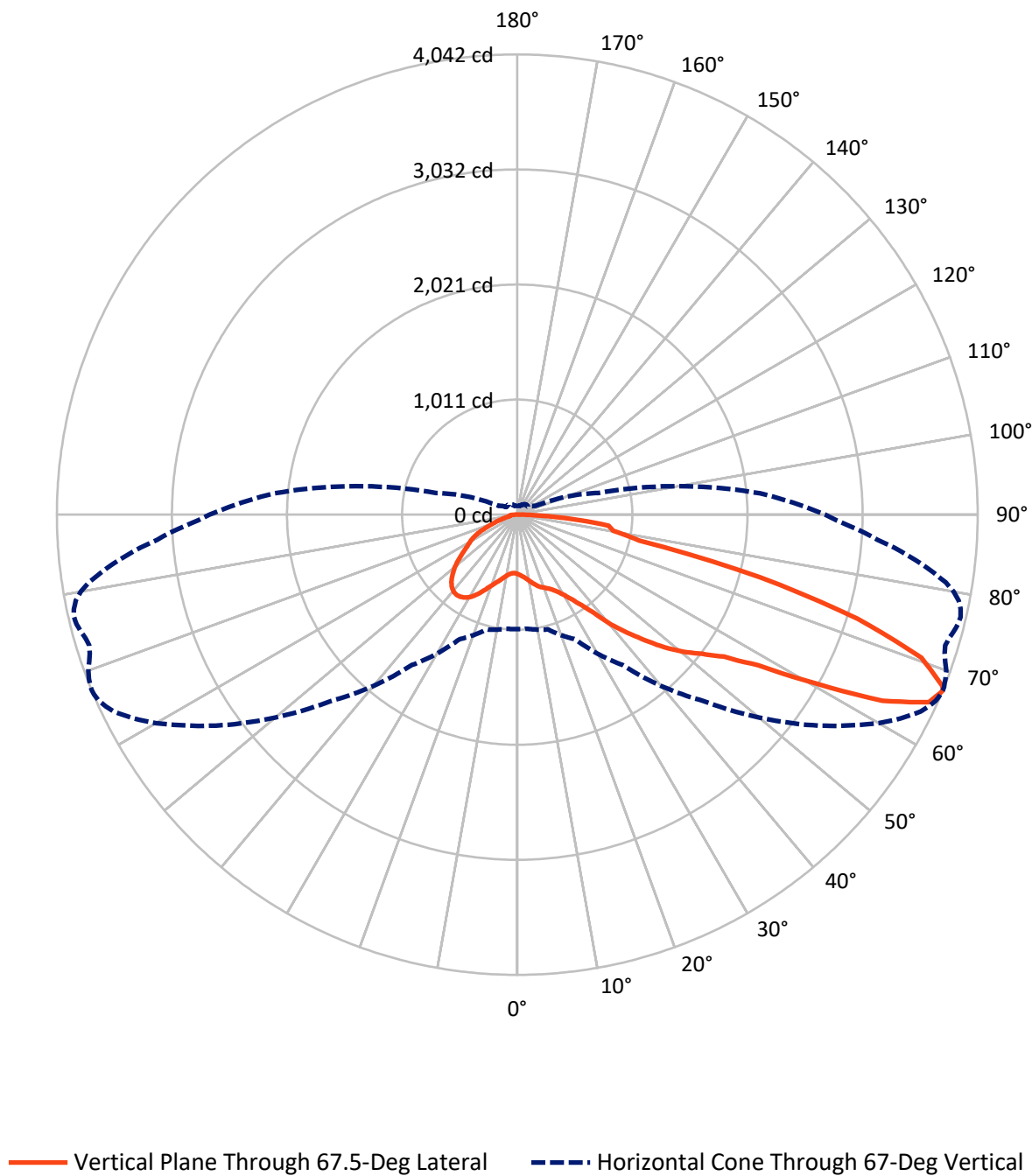


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1160.6   | 0.0    | 1160.6 |
|                    | % Fixture | 23.7     | 0.0    | 23.7   |
| <b>Street Side</b> | Lumens    | 3740.8   | 0.0    | 3740.8 |
|                    | % Fixture | 76.3     | 0.0    | 76.3   |
| <b>Total</b>       | Lumens    | 4901.5   | 0.0    | 4901.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.0   | 1.1       |
| 10°-20°   | 178.2  | 3.6       |
| 20°-30°   | 317.2  | 6.5       |
| 30°-40°   | 462.1  | 9.4       |
| 40°-50°   | 712.0  | 14.5      |
| 50°-60°   | 1042.7 | 21.3      |
| 60°-70°   | 1384.7 | 28.2      |
| 70°-80°   | 652.7  | 13.3      |
| 80°-90°   | 99.8   | 2.0       |
| 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°    | 4901.5 | 100.0     |
| 0°-180°   | 4901.5 | 100.0     |

**Coefficient of Utilization**



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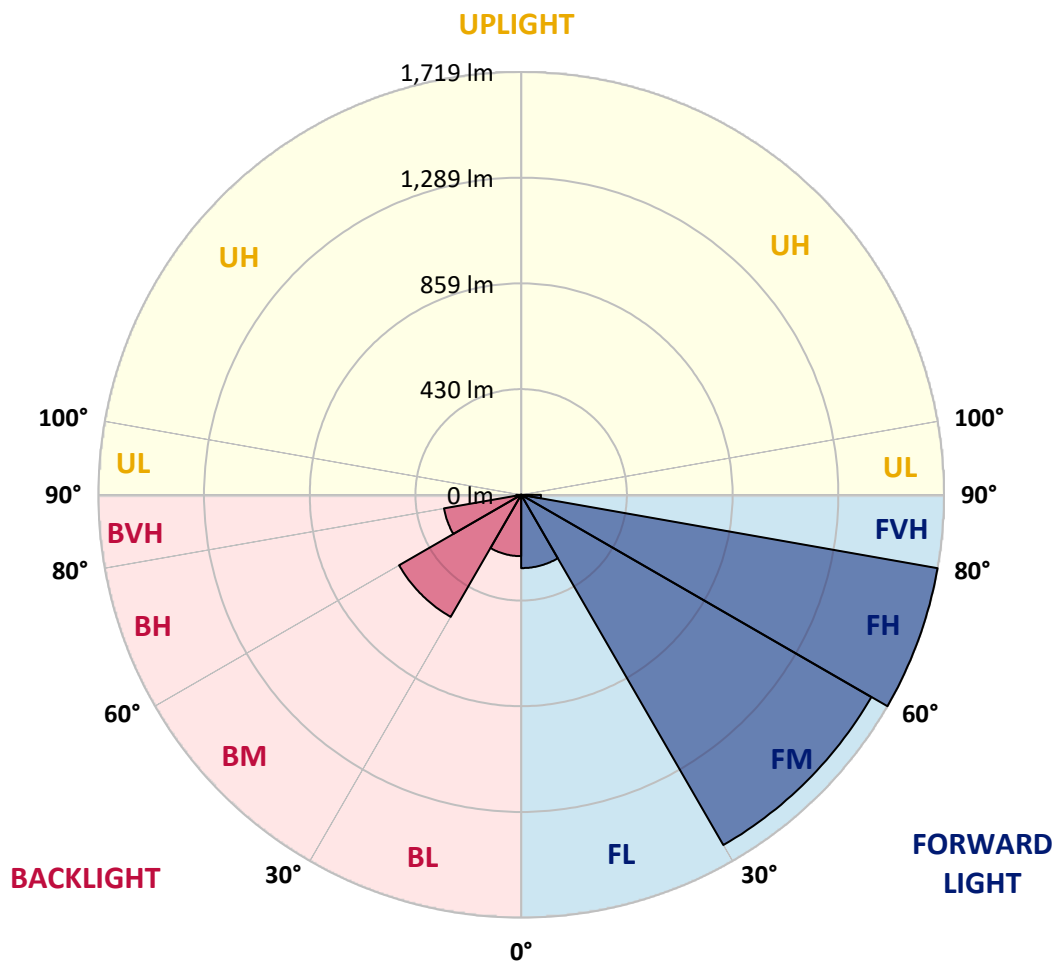
CATALOG NUMBER: RDG-F02-LED-E-U-SL3

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 298.0  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1643.7 | 33.5      |                         |      |         |
| FH   | (60°-80°)   | 1718.7 | 35.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 80.4   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 249.5  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 573.1  | 11.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 318.6  | 6.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 19.4   | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  |
| 2.5°  | 547.5  | 545.2  | 545.5  | 546.5  | 543.2  | 541.5  | 537.9  | 535.6  | 535.3  | 534.9  | 533.6  |
| 5°    | 579.5  | 577.2  | 578.2  | 575.6  | 569.3  | 565.0  | 557.4  | 553.4  | 552.8  | 552.1  | 550.5  |
| 7.5°  | 612.9  | 609.9  | 606.6  | 603.6  | 596.7  | 589.8  | 579.8  | 573.9  | 573.2  | 572.3  | 571.3  |
| 10°   | 652.5  | 648.2  | 645.6  | 636.3  | 624.4  | 614.9  | 604.9  | 598.7  | 598.3  | 597.3  | 595.4  |
| 12.5° | 697.1  | 692.5  | 687.5  | 675.3  | 656.8  | 642.6  | 631.0  | 627.4  | 624.4  | 624.8  | 622.8  |
| 15°   | 741.3  | 736.4  | 729.8  | 714.2  | 689.8  | 668.7  | 653.8  | 648.5  | 648.9  | 647.2  | 648.2  |
| 17.5° | 778.6  | 774.3  | 764.8  | 745.0  | 716.6  | 687.5  | 668.7  | 666.4  | 667.0  | 666.7  | 667.7  |
| 20°   | 803.1  | 800.4  | 785.9  | 762.1  | 730.1  | 698.1  | 678.9  | 678.9  | 679.2  | 680.6  | 682.9  |
| 22.5° | 817.9  | 814.0  | 794.8  | 761.5  | 729.8  | 703.0  | 688.2  | 691.5  | 693.4  | 694.4  | 698.1  |
| 25°   | 826.2  | 821.2  | 795.1  | 750.9  | 718.5  | 706.6  | 702.0  | 710.3  | 713.6  | 715.2  | 721.2  |
| 27.5° | 826.2  | 820.2  | 790.9  | 737.7  | 705.7  | 717.5  | 728.4  | 742.6  | 745.0  | 749.9  | 756.8  |
| 30°   | 816.9  | 812.3  | 784.2  | 727.8  | 702.4  | 738.0  | 771.0  | 787.2  | 792.8  | 798.4  | 807.4  |
| 32.5° | 807.0  | 803.1  | 780.9  | 733.1  | 720.8  | 780.9  | 836.1  | 858.2  | 861.5  | 866.1  | 875.4  |
| 35°   | 806.4  | 805.1  | 795.5  | 766.7  | 776.7  | 859.5  | 934.2  | 949.4  | 958.6  | 960.9  | 964.9  |
| 37.5° | 813.3  | 815.9  | 824.2  | 821.2  | 856.9  | 976.4  | 1062.6 | 1093.0 | 1100.3 | 1096.3 | 1099.9 |
| 40°   | 829.5  | 836.1  | 866.8  | 904.8  | 979.4  | 1117.8 | 1237.6 | 1272.6 | 1280.6 | 1278.2 | 1277.3 |
| 42.5° | 880.7  | 889.6  | 934.8  | 1016.1 | 1106.9 | 1264.0 | 1400.1 | 1437.7 | 1440.4 | 1441.7 | 1433.1 |
| 45°   | 960.9  | 965.9  | 1026.0 | 1129.6 | 1244.9 | 1421.6 | 1562.2 | 1604.2 | 1602.5 | 1595.9 | 1589.6 |
| 47.5° | 1052.0 | 1062.3 | 1134.3 | 1259.8 | 1387.5 | 1567.2 | 1726.3 | 1767.3 | 1770.9 | 1765.0 | 1753.4 |
| 50°   | 1134.9 | 1142.9 | 1224.1 | 1373.0 | 1513.4 | 1688.4 | 1864.7 | 1906.0 | 1905.3 | 1908.6 | 1911.9 |
| 52.5° | 1200.3 | 1207.6 | 1284.8 | 1448.6 | 1605.8 | 1790.1 | 1969.0 | 2019.9 | 2027.8 | 2033.1 | 2039.7 |
| 55°   | 1234.0 | 1241.6 | 1312.9 | 1480.0 | 1661.9 | 1889.5 | 2089.6 | 2162.5 | 2176.1 | 2188.0 | 2198.9 |
| 57.5° | 1234.7 | 1244.6 | 1309.9 | 1477.7 | 1691.0 | 1978.3 | 2249.1 | 2380.2 | 2399.3 | 2429.7 | 2467.0 |
| 60°   | 1214.5 | 1228.4 | 1287.2 | 1456.2 | 1724.4 | 2090.9 | 2511.9 | 2762.9 | 2800.5 | 2853.7 | 2901.6 |
| 62.5° | 1162.0 | 1175.9 | 1228.4 | 1401.7 | 1763.3 | 2235.2 | 2891.6 | 3259.5 | 3339.7 | 3398.5 | 3493.3 |
| 65°   | 1079.1 | 1092.3 | 1136.6 | 1311.6 | 1732.3 | 2349.1 | 3174.6 | 3615.8 | 3697.7 | 3771.3 | 3882.6 |
| 67°   | 1005.2 | 1006.5 | 1043.8 | 1208.2 | 1611.4 | 2313.8 | 3231.4 | 3663.3 | 3739.0 | 3813.6 | 3942.7 |
| 67.5° | 979.1  | 986.3  | 1015.4 | 1173.9 | 1565.5 | 2287.7 | 3209.0 | 3637.6 | 3710.9 | 3790.5 | 3922.2 |
| 70°   | 791.5  | 793.5  | 821.6  | 936.5  | 1242.2 | 1896.7 | 2882.4 | 3309.0 | 3359.2 | 3475.8 | 3605.2 |
| 72.5° | 482.8  | 479.5  | 488.4  | 573.6  | 817.6  | 1313.6 | 2307.8 | 2724.2 | 2792.9 | 2892.3 | 2979.8 |
| 75°   | 265.8  | 281.7  | 292.6  | 351.7  | 459.3  | 772.4  | 1571.5 | 1971.0 | 2071.7 | 2130.8 | 2148.3 |
| 77.5° | 162.5  | 161.1  | 166.1  | 226.9  | 376.8  | 528.3  | 868.1  | 1156.4 | 1212.5 | 1229.4 | 1164.3 |
| 80°   | 77.3   | 80.2   | 79.3   | 93.4   | 182.6  | 445.8  | 606.9  | 742.6  | 771.0  | 787.2  | 808.4  |
| 82.5° | 42.3   | 43.9   | 49.9   | 55.8   | 72.0   | 191.9  | 523.7  | 684.9  | 704.0  | 731.7  | 762.8  |
| 85°   | 26.4   | 27.7   | 38.3   | 40.3   | 44.2   | 59.1   | 218.3  | 400.2  | 416.4  | 471.5  | 489.0  |
| 87.5° | 10.9   | 11.9   | 20.8   | 18.8   | 22.5   | 20.8   | 66.0   | 101.7  | 108.0  | 114.9  | 127.5  |
| 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):**

|       | 65°    | 66°    | 67°    | 67.5°  | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  |
| 2.5°  | 533.9  | 533.6  | 532.3  | 532.0  | 532.6  | 532.6  | 532.0  | 531.0  | 530.6  | 530.3  | 529.7  |
| 5°    | 549.8  | 549.1  | 548.1  | 547.5  | 547.2  | 547.2  | 546.2  | 545.2  | 544.2  | 542.9  | 542.5  |
| 7.5°  | 568.6  | 568.6  | 568.3  | 567.3  | 566.3  | 565.0  | 564.0  | 563.0  | 562.0  | 561.4  | 560.4  |
| 10°   | 593.4  | 594.7  | 592.4  | 591.7  | 591.4  | 589.4  | 589.1  | 588.1  | 587.4  | 585.8  | 585.8  |
| 12.5° | 622.8  | 621.5  | 621.1  | 619.8  | 619.8  | 618.8  | 618.5  | 618.2  | 617.5  | 616.2  | 615.8  |
| 15°   | 647.2  | 647.2  | 646.9  | 646.2  | 646.9  | 646.2  | 645.2  | 645.9  | 644.9  | 645.2  | 644.2  |
| 17.5° | 667.0  | 668.3  | 668.0  | 668.3  | 668.0  | 668.0  | 668.7  | 668.7  | 669.3  | 668.0  | 668.3  |
| 20°   | 683.5  | 685.5  | 686.5  | 685.8  | 686.5  | 686.8  | 688.5  | 689.1  | 690.1  | 690.8  | 690.8  |
| 22.5° | 700.7  | 703.3  | 705.3  | 705.3  | 706.6  | 708.0  | 710.9  | 711.6  | 713.9  | 713.6  | 715.2  |
| 25°   | 724.8  | 729.1  | 730.4  | 732.4  | 734.1  | 736.4  | 740.0  | 741.7  | 742.6  | 745.0  | 747.6  |
| 27.5° | 761.8  | 767.1  | 768.1  | 770.4  | 774.7  | 776.0  | 780.0  | 781.6  | 785.2  | 790.2  | 791.2  |
| 30°   | 812.3  | 818.9  | 819.3  | 821.9  | 826.8  | 828.5  | 831.8  | 836.1  | 839.1  | 844.0  | 844.3  |
| 32.5° | 881.0  | 887.6  | 886.6  | 891.6  | 891.2  | 896.2  | 895.2  | 901.8  | 904.4  | 907.1  | 914.4  |
| 35°   | 972.5  | 971.8  | 976.8  | 978.4  | 977.4  | 981.4  | 980.7  | 983.7  | 986.3  | 986.3  | 994.3  |
| 37.5° | 1104.2 | 1103.2 | 1102.6 | 1095.6 | 1094.0 | 1094.3 | 1093.0 | 1095.6 | 1091.3 | 1091.3 | 1099.9 |
| 40°   | 1280.9 | 1274.9 | 1270.3 | 1265.7 | 1261.1 | 1254.8 | 1249.5 | 1248.2 | 1240.9 | 1240.6 | 1237.3 |
| 42.5° | 1434.4 | 1428.8 | 1425.5 | 1416.6 | 1412.0 | 1411.0 | 1398.1 | 1394.5 | 1392.5 | 1393.8 | 1390.5 |
| 45°   | 1595.6 | 1589.6 | 1577.1 | 1573.1 | 1571.8 | 1564.9 | 1562.9 | 1554.0 | 1551.3 | 1555.9 | 1554.3 |
| 47.5° | 1761.7 | 1753.1 | 1746.2 | 1741.5 | 1739.9 | 1733.9 | 1725.3 | 1732.6 | 1729.0 | 1726.3 | 1721.4 |
| 50°   | 1910.9 | 1901.3 | 1901.3 | 1893.1 | 1894.4 | 1890.5 | 1881.5 | 1883.5 | 1873.3 | 1877.2 | 1874.6 |
| 52.5° | 2036.1 | 2036.7 | 2040.0 | 2030.8 | 2032.4 | 2032.4 | 2029.5 | 2019.9 | 2022.5 | 2021.2 | 2027.5 |
| 55°   | 2195.2 | 2206.1 | 2200.2 | 2201.8 | 2203.8 | 2213.1 | 2219.7 | 2214.1 | 2204.8 | 2212.1 | 2232.2 |
| 57.5° | 2473.6 | 2483.5 | 2489.5 | 2494.1 | 2501.7 | 2506.0 | 2541.6 | 2546.6 | 2536.0 | 2557.8 | 2602.7 |
| 60°   | 2957.7 | 2969.6 | 2987.4 | 3010.9 | 3015.8 | 3045.9 | 3064.3 | 3086.1 | 3094.1 | 3112.9 | 3161.1 |
| 62.5° | 3539.9 | 3566.6 | 3569.9 | 3599.6 | 3622.7 | 3594.7 | 3601.9 | 3628.7 | 3598.3 | 3639.9 | 3641.9 |
| 65°   | 3920.9 | 3959.9 | 3961.2 | 3972.1 | 3980.7 | 3954.3 | 3942.4 | 3930.5 | 3901.8 | 3900.1 | 3928.8 |
| 67°   | 3986.3 | 4022.0 | 4036.8 | 4042.1 | 4040.8 | 4027.2 | 4007.8 | 3973.4 | 3945.7 | 3929.8 | 3941.7 |
| 67.5° | 3967.8 | 4002.8 | 4023.6 | 4028.6 | 4028.9 | 4015.7 | 3997.9 | 3960.5 | 3934.5 | 3916.6 | 3929.2 |
| 70°   | 3664.0 | 3745.9 | 3781.6 | 3763.1 | 3773.6 | 3773.6 | 3773.0 | 3738.6 | 3725.8 | 3708.6 | 3702.0 |
| 72.5° | 3046.5 | 3103.3 | 3148.6 | 3124.4 | 3127.4 | 3149.9 | 3144.6 | 3148.2 | 3111.2 | 3107.3 | 3046.2 |
| 75°   | 2182.4 | 2200.5 | 2185.3 | 2202.5 | 2110.0 | 2077.0 | 2020.9 | 1939.0 | 1917.5 | 1883.5 | 1781.8 |
| 77.5° | 1159.4 | 1138.9 | 1098.3 | 1095.0 | 1057.0 | 1027.6 | 991.3  | 967.5  | 907.4  | 874.1  | 797.8  |
| 80°   | 818.9  | 828.8  | 844.3  | 853.6  | 862.2  | 868.8  | 855.2  | 817.3  | 767.1  | 710.9  | 657.8  |
| 82.5° | 782.3  | 795.8  | 805.1  | 809.7  | 806.4  | 795.8  | 764.8  | 728.4  | 661.4  | 612.9  | 555.4  |
| 85°   | 493.3  | 504.2  | 485.4  | 481.4  | 489.7  | 423.0  | 386.3  | 356.6  | 288.9  | 268.8  | 237.4  |
| 87.5° | 132.4  | 139.7  | 140.0  | 135.7  | 133.1  | 117.2  | 103.7  | 91.8   | 75.9   | 71.3   | 57.8   |
| 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):**

|       | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  |
| 2.5°  | 529.7  | 529.3  | 529.3  | 528.3  | 527.7  | 527.3  | 527.0  | 526.0  | 525.4  | 525.4  | 525.0  |
| 5°    | 542.2  | 541.5  | 540.6  | 540.2  | 538.9  | 538.2  | 536.9  | 536.3  | 535.3  | 534.6  | 534.3  |
| 7.5°  | 560.0  | 558.4  | 556.4  | 556.7  | 554.8  | 553.8  | 553.1  | 551.8  | 550.8  | 549.8  | 549.5  |
| 10°   | 583.8  | 583.5  | 581.5  | 582.2  | 578.5  | 580.2  | 576.9  | 577.2  | 575.2  | 573.2  | 572.9  |
| 12.5° | 614.2  | 613.9  | 611.9  | 609.6  | 608.9  | 609.2  | 607.3  | 607.6  | 605.3  | 604.6  | 604.0  |
| 15°   | 643.2  | 642.6  | 641.6  | 639.9  | 639.0  | 638.6  | 638.0  | 637.3  | 635.3  | 635.3  | 633.0  |
| 17.5° | 668.3  | 668.7  | 667.4  | 666.0  | 665.4  | 664.4  | 664.1  | 664.1  | 662.4  | 660.8  | 661.1  |
| 20°   | 690.5  | 691.1  | 691.1  | 690.1  | 690.5  | 689.8  | 689.5  | 690.1  | 688.5  | 687.8  | 686.8  |
| 22.5° | 715.2  | 715.2  | 715.6  | 716.2  | 717.2  | 717.5  | 717.5  | 716.9  | 715.9  | 715.6  | 713.6  |
| 25°   | 749.6  | 748.3  | 749.9  | 750.6  | 750.6  | 752.2  | 751.6  | 751.9  | 752.2  | 751.2  | 750.2  |
| 27.5° | 792.8  | 791.5  | 794.8  | 797.1  | 796.8  | 797.8  | 799.8  | 797.5  | 798.8  | 799.8  | 797.5  |
| 30°   | 846.0  | 849.3  | 851.6  | 853.3  | 852.6  | 855.6  | 856.6  | 856.2  | 855.2  | 856.9  | 856.9  |
| 32.5° | 913.7  | 912.0  | 918.0  | 921.6  | 921.9  | 921.3  | 922.9  | 924.9  | 923.3  | 925.9  | 924.6  |
| 35°   | 994.3  | 995.3  | 996.6  | 1000.5 | 1002.2 | 999.5  | 1002.2 | 1004.5 | 1003.8 | 1004.2 | 1005.5 |
| 37.5° | 1098.3 | 1099.9 | 1098.6 | 1098.9 | 1098.3 | 1110.8 | 1112.8 | 1114.8 | 1112.5 | 1110.5 | 1116.4 |
| 40°   | 1242.6 | 1242.6 | 1242.2 | 1246.5 | 1239.3 | 1247.2 | 1244.9 | 1250.5 | 1256.4 | 1253.1 | 1262.1 |
| 42.5° | 1384.6 | 1392.5 | 1393.2 | 1386.9 | 1392.2 | 1400.8 | 1400.8 | 1404.4 | 1409.7 | 1404.4 | 1413.0 |
| 45°   | 1547.4 | 1557.3 | 1555.6 | 1566.2 | 1558.3 | 1568.2 | 1569.8 | 1565.2 | 1576.8 | 1578.1 | 1574.8 |
| 47.5° | 1725.0 | 1727.0 | 1727.3 | 1731.0 | 1732.6 | 1740.5 | 1740.2 | 1748.8 | 1746.2 | 1732.9 | 1737.6 |
| 50°   | 1877.2 | 1882.2 | 1884.8 | 1887.1 | 1895.4 | 1901.0 | 1908.6 | 1909.9 | 1908.0 | 1904.0 | 1900.4 |
| 52.5° | 2029.5 | 2041.4 | 2049.0 | 2069.4 | 2082.3 | 2092.5 | 2105.1 | 2109.7 | 2107.4 | 2106.4 | 2091.9 |
| 55°   | 2233.2 | 2261.6 | 2305.5 | 2333.9 | 2365.0 | 2383.1 | 2397.7 | 2404.9 | 2399.6 | 2402.3 | 2372.2 |
| 57.5° | 2616.9 | 2683.6 | 2721.9 | 2770.5 | 2825.3 | 2848.1 | 2854.3 | 2880.1 | 2851.7 | 2823.3 | 2800.5 |
| 60°   | 3187.2 | 3248.6 | 3318.3 | 3368.1 | 3386.6 | 3449.7 | 3420.0 | 3386.6 | 3356.3 | 3297.5 | 3231.1 |
| 62.5° | 3702.0 | 3781.2 | 3816.9 | 3863.5 | 3850.9 | 3845.6 | 3825.8 | 3772.6 | 3707.6 | 3620.1 | 3531.6 |
| 65°   | 3955.9 | 4000.5 | 4022.6 | 4037.8 | 4023.6 | 3987.0 | 3921.6 | 3843.0 | 3749.9 | 3636.6 | 3520.4 |
| 67°   | 3966.2 | 3986.6 | 3993.9 | 3979.4 | 3947.7 | 3890.5 | 3808.0 | 3696.7 | 3582.1 | 3452.3 | 3321.6 |
| 67.5° | 3949.3 | 3962.8 | 3966.5 | 3943.7 | 3906.1 | 3844.3 | 3756.1 | 3637.3 | 3515.4 | 3380.7 | 3249.3 |
| 70°   | 3719.5 | 3709.6 | 3677.5 | 3646.2 | 3528.6 | 3445.7 | 3292.2 | 3165.4 | 2996.3 | 2872.5 | 2732.2 |
| 72.5° | 3021.8 | 2976.5 | 2945.5 | 2806.8 | 2664.8 | 2582.6 | 2417.5 | 2265.9 | 2111.7 | 1993.8 | 1907.6 |
| 75°   | 1696.3 | 1663.3 | 1577.1 | 1503.8 | 1386.6 | 1279.2 | 1202.3 | 1105.9 | 1013.4 | 958.6  | 918.3  |
| 77.5° | 766.4  | 672.0  | 606.9  | 524.7  | 424.0  | 340.8  | 252.9  | 233.8  | 199.4  | 190.9  | 172.0  |
| 80°   | 598.0  | 530.3  | 445.1  | 351.0  | 247.7  | 166.4  | 122.2  | 103.7  | 97.4   | 93.4   | 91.5   |
| 82.5° | 498.9  | 411.1  | 346.1  | 245.7  | 157.2  | 105.7  | 79.6   | 72.0   | 67.4   | 64.1   | 61.1   |
| 85°   | 213.3  | 168.7  | 139.0  | 99.4   | 70.7   | 55.8   | 48.9   | 44.6   | 40.3   | 36.7   | 34.3   |
| 87.5° | 49.9   | 38.3   | 35.0   | 29.7   | 28.1   | 27.7   | 27.4   | 26.1   | 24.4   | 22.5   | 20.1   |
| 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):**

|       | 86°    | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4  | 521.4 | 521.4 | 521.4 | 521.4 |
| 2.5°  | 524.7  | 524.4  | 523.7  | 522.7  | 522.7  | 521.4  | 517.1  | 514.1 | 510.8 | 508.9 | 506.9 |
| 5°    | 533.6  | 533.3  | 531.6  | 530.6  | 530.0  | 527.3  | 520.1  | 514.5 | 508.5 | 504.2 | 500.9 |
| 7.5°  | 548.5  | 547.5  | 546.2  | 545.5  | 543.5  | 540.2  | 529.7  | 521.7 | 513.1 | 506.2 | 500.6 |
| 10°   | 572.6  | 570.9  | 569.0  | 567.0  | 567.6  | 562.3  | 550.1  | 538.6 | 526.0 | 515.1 | 507.5 |
| 12.5° | 602.0  | 602.0  | 601.0  | 599.7  | 597.3  | 591.4  | 574.9  | 561.4 | 546.2 | 532.6 | 527.0 |
| 15°   | 633.0  | 631.4  | 629.7  | 627.7  | 627.4  | 619.5  | 604.6  | 589.1 | 573.2 | 561.7 | 555.1 |
| 17.5° | 658.4  | 659.1  | 656.8  | 656.1  | 655.5  | 647.5  | 631.7  | 617.8 | 606.3 | 594.0 | 583.5 |
| 20°   | 685.5  | 684.2  | 683.5  | 682.5  | 682.2  | 675.6  | 663.1  | 654.5 | 644.2 | 625.7 | 598.0 |
| 22.5° | 714.6  | 712.9  | 713.6  | 711.6  | 711.3  | 706.6  | 697.4  | 694.8 | 679.6 | 640.6 | 592.4 |
| 25°   | 752.2  | 749.2  | 750.2  | 750.2  | 750.6  | 746.3  | 745.3  | 740.7 | 702.4 | 637.0 | 569.9 |
| 27.5° | 797.1  | 798.4  | 798.4  | 798.1  | 795.8  | 797.1  | 801.7  | 785.9 | 710.3 | 617.8 | 536.3 |
| 30°   | 855.6  | 856.2  | 856.9  | 859.2  | 854.3  | 862.8  | 868.5  | 817.9 | 704.3 | 591.4 | 494.0 |
| 32.5° | 926.6  | 923.9  | 925.2  | 926.6  | 928.2  | 937.1  | 933.8  | 834.1 | 686.8 | 555.4 | 441.5 |
| 35°   | 1004.8 | 1009.8 | 1011.1 | 1014.1 | 1017.4 | 1030.9 | 992.9  | 837.4 | 660.1 | 507.2 | 374.5 |
| 37.5° | 1121.4 | 1129.3 | 1129.3 | 1139.9 | 1133.6 | 1150.1 | 1045.8 | 829.5 | 619.5 | 440.2 | 298.8 |
| 40°   | 1268.3 | 1272.0 | 1275.6 | 1276.9 | 1273.6 | 1271.6 | 1080.4 | 810.0 | 562.3 | 356.0 | 218.6 |
| 42.5° | 1418.3 | 1416.9 | 1417.3 | 1419.6 | 1410.7 | 1373.3 | 1101.9 | 776.0 | 491.4 | 265.8 | 156.8 |
| 45°   | 1579.7 | 1574.1 | 1572.5 | 1567.8 | 1559.9 | 1481.3 | 1114.1 | 728.1 | 397.9 | 186.9 | 123.2 |
| 47.5° | 1736.9 | 1730.0 | 1719.4 | 1706.5 | 1691.3 | 1568.2 | 1112.8 | 666.0 | 305.1 | 133.7 | 108.6 |
| 50°   | 1898.0 | 1885.8 | 1863.0 | 1850.5 | 1824.7 | 1654.4 | 1105.2 | 597.0 | 219.6 | 110.6 | 101.7 |
| 52.5° | 2082.3 | 2060.5 | 2039.4 | 2014.3 | 1971.7 | 1760.3 | 1093.7 | 519.4 | 160.2 | 101.4 | 97.1  |
| 55°   | 2357.0 | 2321.4 | 2286.7 | 2234.5 | 2193.3 | 1902.3 | 1074.2 | 435.9 | 126.5 | 97.7  | 94.4  |
| 57.5° | 2735.8 | 2675.0 | 2631.1 | 2560.8 | 2494.7 | 2098.8 | 1053.4 | 359.9 | 112.9 | 96.8  | 93.1  |
| 60°   | 3162.1 | 3070.6 | 2988.7 | 2902.2 | 2826.9 | 2344.2 | 1042.5 | 300.5 | 110.0 | 97.7  | 93.4  |
| 62.5° | 3429.6 | 3321.6 | 3219.2 | 3113.5 | 3005.2 | 2461.4 | 995.3  | 259.5 | 111.3 | 102.0 | 96.1  |
| 65°   | 3395.9 | 3276.7 | 3165.4 | 3036.6 | 2934.6 | 2350.8 | 875.1  | 219.6 | 113.6 | 109.6 | 103.4 |
| 67°   | 3168.7 | 3053.1 | 2926.3 | 2800.2 | 2701.1 | 2140.4 | 738.7  | 184.9 | 116.2 | 118.2 | 111.3 |
| 67.5° | 3107.9 | 2977.8 | 2850.0 | 2734.1 | 2626.8 | 2075.4 | 703.0  | 176.3 | 116.9 | 120.5 | 113.9 |
| 70°   | 2591.8 | 2488.8 | 2339.2 | 2253.4 | 2175.8 | 1682.4 | 524.4  | 137.0 | 118.9 | 130.8 | 126.5 |
| 72.5° | 1813.5 | 1713.8 | 1635.5 | 1588.6 | 1543.4 | 1222.4 | 368.8  | 109.3 | 115.9 | 136.4 | 132.1 |
| 75°   | 916.0  | 893.2  | 865.8  | 850.6  | 851.3  | 710.6  | 222.2  | 93.1  | 109.0 | 130.8 | 119.9 |
| 77.5° | 181.0  | 176.3  | 178.3  | 195.2  | 192.2  | 218.9  | 110.3  | 78.9  | 92.8  | 100.7 | 86.2  |
| 80°   | 87.5   | 84.5   | 81.9   | 81.2   | 79.6   | 76.3   | 69.3   | 65.7  | 75.3  | 66.4  | 57.1  |
| 82.5° | 56.8   | 53.5   | 52.2   | 49.5   | 49.9   | 54.2   | 60.4   | 63.1  | 61.1  | 45.9  | 38.6  |
| 85°   | 32.0   | 31.7   | 31.0   | 31.7   | 33.0   | 43.3   | 64.7   | 59.1  | 49.2  | 32.4  | 29.1  |
| 87.5° | 19.2   | 18.2   | 18.5   | 18.8   | 19.5   | 32.0   | 51.2   | 42.6  | 31.4  | 16.8  | 17.2  |
| 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):**

|       | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 521.4 | 521.4 | 521.4 | 521.4 |
| 2.5°  | 506.5 | 505.2 | 505.2 | 504.9 |
| 5°    | 498.3 | 496.3 | 496.0 | 496.0 |
| 7.5°  | 497.0 | 494.3 | 494.0 | 493.0 |
| 10°   | 502.9 | 501.9 | 502.2 | 501.3 |
| 12.5° | 521.7 | 523.1 | 524.4 | 524.4 |
| 15°   | 550.5 | 549.5 | 551.1 | 549.5 |
| 17.5° | 571.6 | 563.0 | 561.0 | 560.0 |
| 20°   | 572.3 | 554.4 | 548.5 | 547.5 |
| 22.5° | 551.8 | 525.4 | 515.5 | 513.8 |
| 25°   | 517.1 | 483.8 | 471.2 | 469.9 |
| 27.5° | 473.5 | 436.2 | 417.7 | 417.1 |
| 30°   | 421.0 | 376.8 | 353.3 | 349.7 |
| 32.5° | 357.0 | 304.5 | 279.7 | 271.8 |
| 35°   | 283.0 | 229.2 | 206.1 | 205.4 |
| 37.5° | 211.3 | 169.4 | 154.5 | 153.9 |
| 40°   | 154.9 | 133.1 | 127.5 | 126.5 |
| 42.5° | 126.5 | 117.6 | 115.2 | 114.3 |
| 45°   | 113.3 | 109.6 | 108.3 | 107.3 |
| 47.5° | 105.3 | 103.0 | 102.0 | 102.0 |
| 50°   | 99.1  | 98.4  | 97.7  | 97.7  |
| 52.5° | 94.8  | 94.4  | 93.8  | 93.4  |
| 55°   | 91.1  | 89.8  | 90.1  | 89.8  |
| 57.5° | 88.8  | 86.8  | 86.8  | 86.8  |
| 60°   | 87.5  | 83.9  | 83.9  | 84.2  |
| 62.5° | 87.8  | 82.2  | 81.9  | 81.9  |
| 65°   | 90.5  | 81.2  | 79.3  | 79.6  |
| 67°   | 93.8  | 80.2  | 76.3  | 75.9  |
| 67.5° | 94.8  | 79.6  | 75.3  | 75.0  |
| 70°   | 98.7  | 77.6  | 70.3  | 69.7  |
| 72.5° | 99.4  | 74.6  | 65.4  | 64.7  |
| 75°   | 92.5  | 70.7  | 61.4  | 59.8  |
| 77.5° | 72.0  | 60.8  | 55.5  | 55.5  |
| 80°   | 50.5  | 46.6  | 39.6  | 39.3  |
| 82.5° | 37.0  | 35.0  | 29.1  | 28.4  |
| 85°   | 27.1  | 25.4  | 21.5  | 21.5  |
| 87.5° | 16.8  | 16.2  | 13.9  | 13.2  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)