

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: P154308

Luminaire Tested: **VXM-E01-LED-E1-T2-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154308  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-E01-LED-E1-T2-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2585.9 lumens  
Efficiency: N/A  
Efficacy: 104.7 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): 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: 25 FT

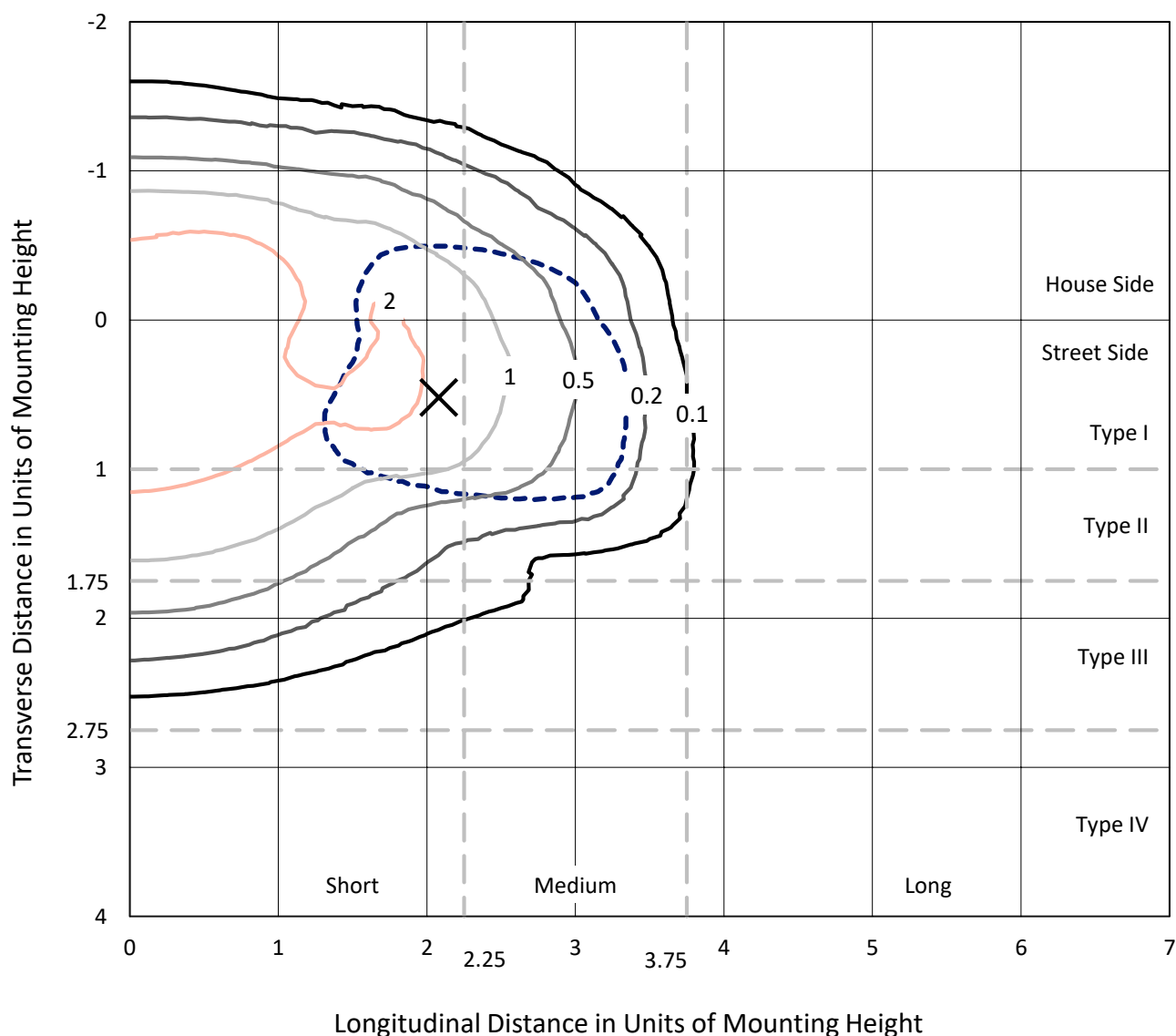


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

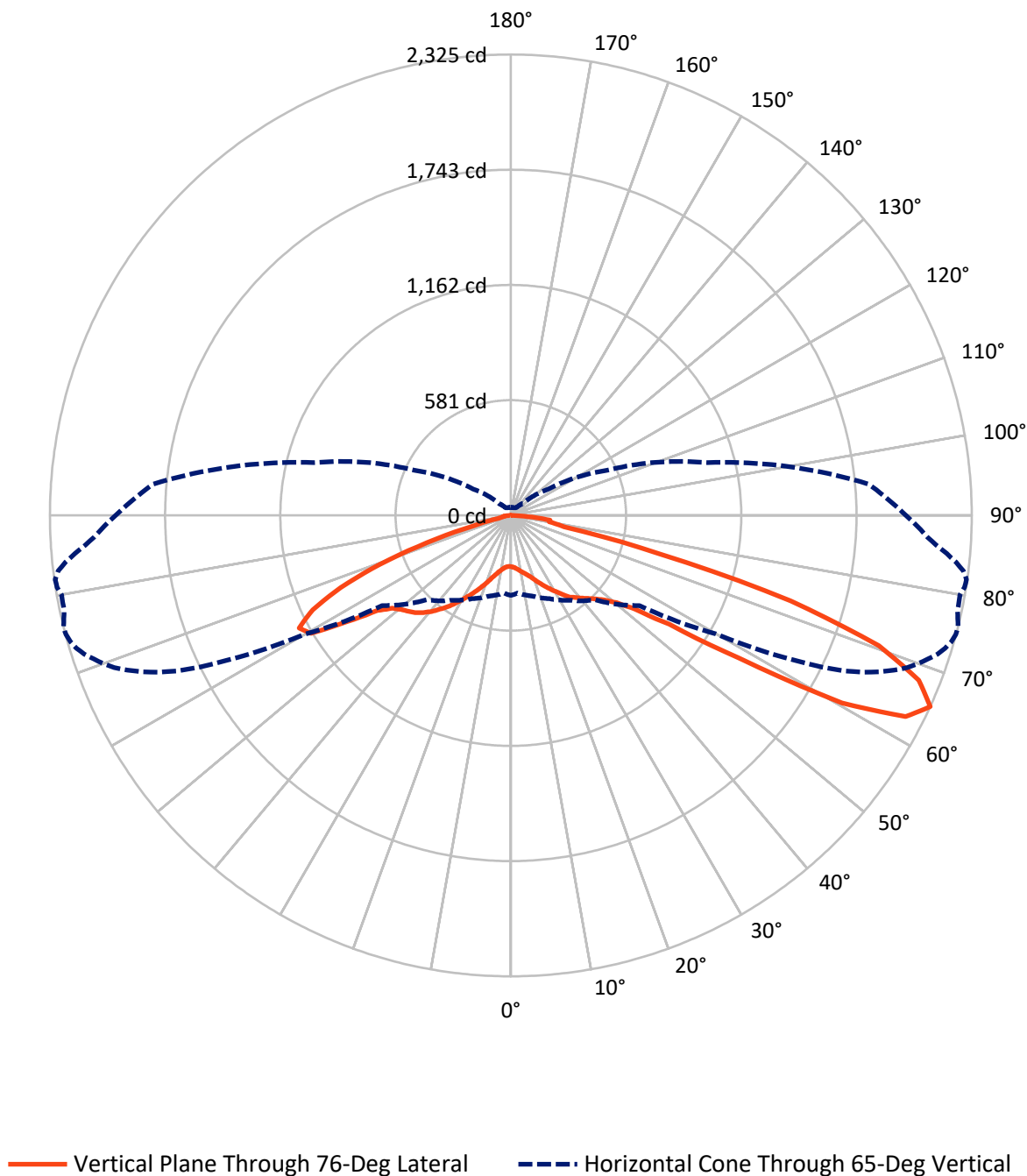


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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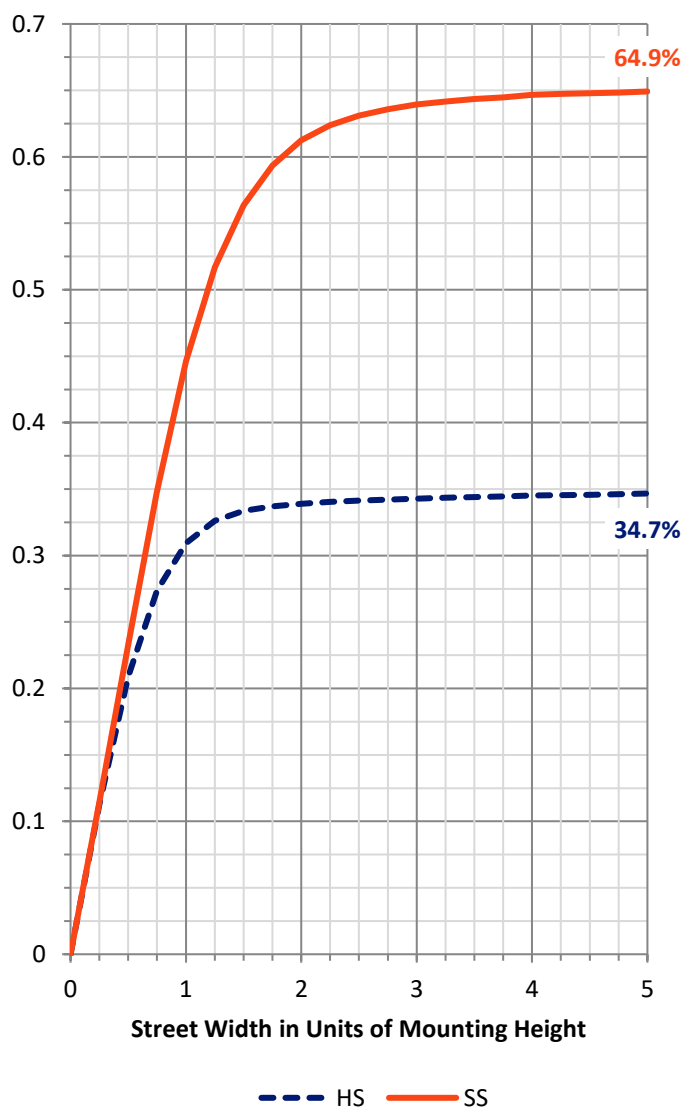
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 905.5    | 0.0    | 905.5  |
|                    | % Fixture | 35.0     | 0.0    | 35.0   |
| <b>Street Side</b> | Lumens    | 1680.4   | 0.0    | 1680.4 |
|                    | % Fixture | 65.0     | 0.0    | 65.0   |
| <b>Total</b>       | Lumens    | 2585.9   | 0.0    | 2585.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.9   | 1.0       |
| 10°-20°   | 88.9   | 3.4       |
| 20°-30°   | 174.7  | 6.8       |
| 30°-40°   | 290.3  | 11.2      |
| 40°-50°   | 426.5  | 16.5      |
| 50°-60°   | 590.5  | 22.8      |
| 60°-70°   | 704.9  | 27.3      |
| 70°-80°   | 249.3  | 9.6       |
| 80°-90°   | 34.8   | 1.3       |
| 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°    | 2585.9 | 100.0     |
| 0°-180°   | 2585.9 | 100.0     |

**Coefficient of Utilization**



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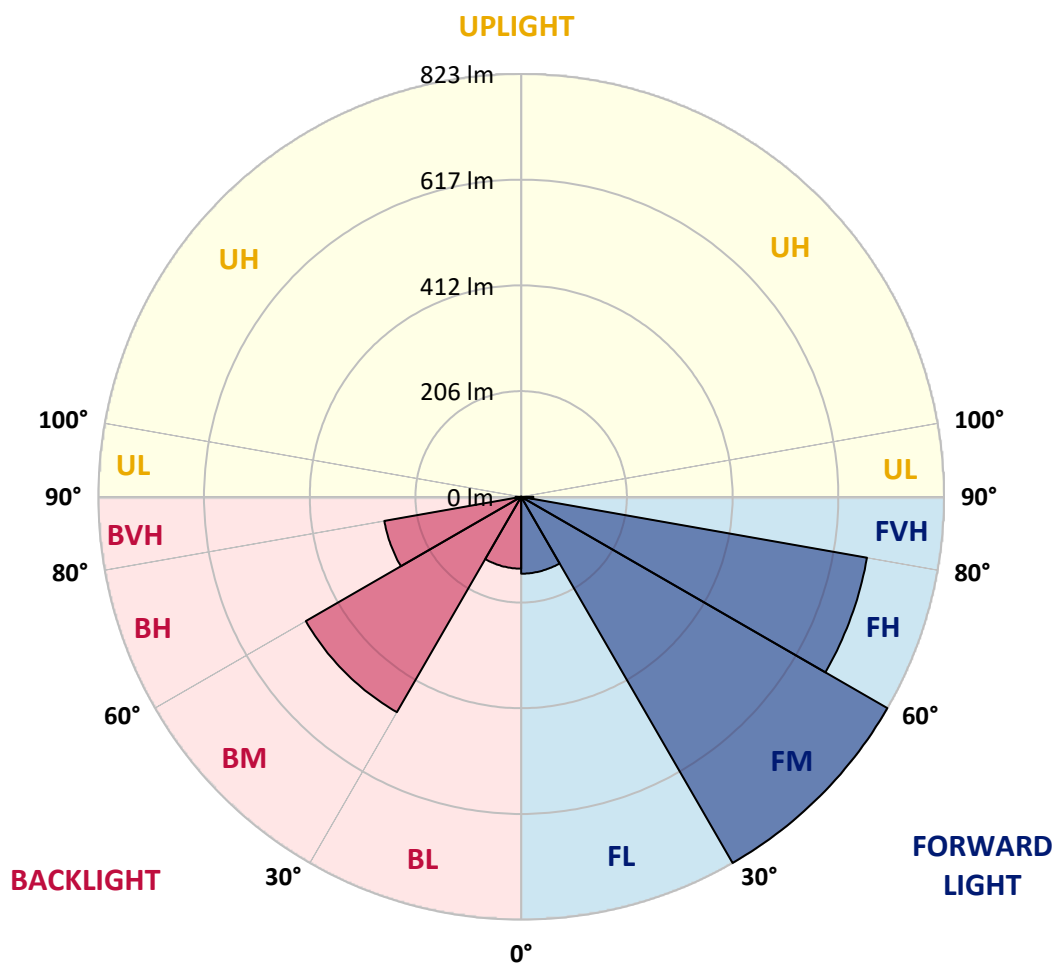
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 149.6  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 823.3  | 31.8      |                         |      |         |
| FH   | (60°-80°)   | 683.7  | 26.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 23.8   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 139.9  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 484.1  | 18.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 270.5  | 10.5      | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 11.0   | 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°    | 258.5 | 258.5 | 258.5 | 258.5 | 258.5 | 258.5 | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  |
| 2.5°  | 269.8 | 270.1 | 269.5 | 269.2 | 268.4 | 267.0 | 265.9  | 264.7  | 264.7  | 264.7  | 263.9  |
| 5°    | 281.6 | 282.2 | 281.0 | 280.2 | 277.7 | 276.3 | 274.3  | 272.9  | 272.3  | 272.0  | 271.2  |
| 7.5°  | 296.5 | 295.7 | 294.0 | 293.4 | 291.5 | 288.4 | 284.7  | 281.9  | 281.9  | 281.6  | 281.9  |
| 10°   | 311.4 | 309.2 | 308.3 | 307.5 | 304.4 | 300.5 | 296.2  | 293.1  | 292.9  | 292.6  | 291.7  |
| 12.5° | 326.3 | 325.5 | 324.7 | 321.6 | 318.5 | 312.3 | 307.5  | 304.4  | 304.1  | 304.4  | 303.3  |
| 15°   | 346.0 | 344.1 | 343.2 | 337.9 | 331.1 | 324.4 | 318.5  | 315.7  | 314.8  | 315.1  | 314.2  |
| 17.5° | 361.2 | 361.2 | 359.3 | 353.4 | 344.6 | 335.3 | 329.2  | 327.5  | 327.2  | 327.2  | 327.5  |
| 20°   | 373.3 | 373.0 | 371.1 | 366.3 | 355.9 | 346.6 | 343.5  | 342.9  | 342.7  | 342.7  | 343.5  |
| 22.5° | 380.1 | 379.5 | 378.7 | 373.3 | 365.2 | 359.0 | 359.3  | 360.9  | 361.5  | 362.1  | 363.2  |
| 25°   | 383.5 | 382.6 | 382.3 | 378.7 | 372.8 | 371.9 | 377.0  | 381.5  | 382.6  | 383.7  | 385.1  |
| 27.5° | 389.1 | 387.7 | 388.2 | 386.8 | 385.4 | 388.0 | 398.4  | 403.1  | 404.0  | 405.4  | 406.2  |
| 30°   | 404.6 | 404.0 | 406.2 | 406.8 | 407.9 | 411.6 | 421.2  | 425.7  | 427.6  | 427.6  | 431.6  |
| 32.5° | 434.1 | 434.4 | 434.9 | 440.8 | 442.8 | 445.3 | 450.4  | 454.1  | 454.3  | 454.6  | 458.3  |
| 35°   | 473.8 | 475.4 | 480.2 | 485.3 | 490.1 | 489.8 | 486.7  | 488.7  | 487.3  | 489.0  | 489.2  |
| 37.5° | 523.8 | 521.6 | 528.6 | 540.2 | 547.5 | 545.5 | 531.7  | 522.7  | 525.2  | 524.1  | 523.3  |
| 40°   | 562.4 | 564.9 | 578.4 | 593.6 | 599.2 | 605.4 | 587.4  | 571.9  | 569.7  | 565.5  | 562.9  |
| 42.5° | 615.6 | 615.8 | 626.8 | 638.1 | 654.4 | 667.9 | 656.3  | 634.1  | 627.4  | 622.3  | 611.3  |
| 45°   | 664.8 | 663.9 | 672.9 | 686.7 | 706.1 | 725.6 | 729.8  | 705.6  | 703.0  | 694.0  | 679.7  |
| 47.5° | 697.7 | 696.6 | 702.8 | 720.8 | 752.3 | 784.1 | 801.5  | 794.2  | 789.4  | 785.8  | 763.2  |
| 50°   | 719.9 | 717.7 | 724.7 | 743.8 | 779.0 | 828.0 | 873.5  | 879.7  | 877.8  | 877.8  | 863.4  |
| 52.5° | 736.5 | 736.5 | 741.6 | 757.1 | 792.8 | 853.8 | 935.4  | 966.7  | 969.2  | 972.0  | 971.2  |
| 55°   | 727.2 | 728.6 | 741.3 | 763.8 | 801.5 | 871.8 | 986.6  | 1055.0 | 1069.1 | 1080.9 | 1094.4 |
| 57.5° | 695.4 | 700.2 | 717.1 | 754.0 | 803.8 | 885.3 | 1043.5 | 1178.8 | 1218.4 | 1252.8 | 1306.2 |
| 60°   | 649.0 | 655.2 | 679.7 | 726.7 | 787.2 | 863.4 | 1063.4 | 1283.4 | 1346.4 | 1421.3 | 1560.8 |
| 62.5° | 569.4 | 575.6 | 599.5 | 646.5 | 698.3 | 779.3 | 980.7  | 1298.9 | 1399.6 | 1505.7 | 1716.7 |
| 65°   | 403.4 | 393.6 | 421.2 | 463.4 | 522.7 | 601.2 | 792.5  | 1195.1 | 1340.0 | 1483.7 | 1744.2 |
| 67.5° | 224.8 | 223.9 | 240.8 | 272.3 | 329.2 | 413.6 | 546.1  | 916.6  | 1049.9 | 1212.8 | 1532.7 |
| 70°   | 155.0 | 156.7 | 167.4 | 201.4 | 248.4 | 321.3 | 389.1  | 575.6  | 671.5  | 782.1  | 1096.6 |
| 72.5° | 108.9 | 112.5 | 118.4 | 138.7 | 186.8 | 270.6 | 397.5  | 344.1  | 391.9  | 467.3  | 659.4  |
| 75°   | 63.9  | 66.4  | 70.6  | 80.5  | 106.3 | 180.9 | 411.6  | 302.4  | 302.4  | 320.2  | 398.9  |
| 77.5° | 39.4  | 39.4  | 41.9  | 45.9  | 56.5  | 88.6  | 293.1  | 339.8  | 330.3  | 320.2  | 321.0  |
| 80°   | 20.3  | 21.7  | 25.3  | 27.3  | 31.5  | 40.5  | 131.7  | 317.1  | 347.7  | 368.3  | 353.9  |
| 82.5° | 9.3   | 10.4  | 15.5  | 16.6  | 18.3  | 21.4  | 45.3   | 180.3  | 241.7  | 318.2  | 397.5  |
| 85°   | 4.8   | 4.8   | 8.2   | 10.1  | 11.0  | 9.8   | 16.6   | 72.9   | 110.3  | 168.2  | 263.3  |
| 87.5° | 0.8   | 0.8   | 1.4   | 1.7   | 2.5   | 2.3   | 2.8    | 4.2    | 7.0    | 7.6    | 7.9    |
| 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°    | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  |
| 2.5°  | 263.6  | 263.9  | 263.6  | 263.3  | 262.8  | 262.8  | 262.8  | 262.5  | 262.5  | 262.5  | 262.2  |
| 5°    | 271.2  | 270.1  | 270.4  | 269.8  | 269.5  | 269.2  | 269.5  | 269.0  | 268.4  | 268.7  | 268.4  |
| 7.5°  | 280.8  | 280.2  | 279.1  | 279.1  | 278.8  | 278.2  | 278.2  | 277.4  | 277.1  | 276.5  | 276.3  |
| 10°   | 291.5  | 290.1  | 290.6  | 290.1  | 290.3  | 289.2  | 288.6  | 288.1  | 287.5  | 287.5  | 287.8  |
| 12.5° | 302.4  | 302.1  | 301.3  | 300.7  | 300.7  | 299.9  | 300.2  | 299.9  | 299.1  | 298.8  | 297.9  |
| 15°   | 313.7  | 313.7  | 312.8  | 313.1  | 312.8  | 312.3  | 311.7  | 311.7  | 311.2  | 310.6  | 310.9  |
| 17.5° | 326.9  | 326.9  | 326.9  | 326.9  | 327.2  | 326.3  | 326.6  | 326.1  | 325.5  | 326.6  | 326.6  |
| 20°   | 344.1  | 345.2  | 345.2  | 344.9  | 346.3  | 345.5  | 345.2  | 346.6  | 345.2  | 347.2  | 346.9  |
| 22.5° | 363.8  | 364.9  | 364.9  | 366.0  | 366.3  | 367.1  | 367.7  | 367.1  | 368.3  | 369.4  | 369.4  |
| 25°   | 385.7  | 386.8  | 387.7  | 389.4  | 390.2  | 389.6  | 389.9  | 391.3  | 391.9  | 393.0  | 394.1  |
| 27.5° | 408.8  | 409.1  | 410.2  | 412.1  | 413.6  | 414.1  | 414.4  | 416.7  | 416.9  | 417.5  | 418.6  |
| 30°   | 431.3  | 434.1  | 433.5  | 436.1  | 436.9  | 437.7  | 439.4  | 440.3  | 442.3  | 443.4  | 443.4  |
| 32.5° | 457.7  | 457.2  | 459.4  | 461.4  | 462.8  | 464.2  | 465.6  | 466.7  | 467.9  | 468.4  | 471.2  |
| 35°   | 490.6  | 491.8  | 491.8  | 492.0  | 495.4  | 495.7  | 496.8  | 499.4  | 500.2  | 501.9  | 503.0  |
| 37.5° | 523.3  | 521.3  | 521.0  | 521.0  | 519.9  | 520.7  | 521.0  | 521.3  | 522.4  | 522.7  | 523.8  |
| 40°   | 559.8  | 557.3  | 555.1  | 553.7  | 551.4  | 548.3  | 547.8  | 546.3  | 547.2  | 546.9  | 547.2  |
| 42.5° | 609.9  | 602.9  | 597.5  | 593.6  | 589.1  | 585.7  | 583.2  | 579.5  | 577.0  | 573.9  | 573.4  |
| 45°   | 673.8  | 660.6  | 651.6  | 645.1  | 638.6  | 629.3  | 624.0  | 618.4  | 613.3  | 608.2  | 604.0  |
| 47.5° | 757.6  | 743.6  | 729.2  | 717.4  | 707.3  | 692.4  | 677.2  | 668.7  | 658.9  | 650.2  | 644.0  |
| 50°   | 856.4  | 839.5  | 832.7  | 816.1  | 803.5  | 781.0  | 762.1  | 748.3  | 728.6  | 715.4  | 703.9  |
| 52.5° | 957.4  | 953.1  | 949.5  | 935.4  | 920.5  | 907.6  | 891.0  | 866.8  | 846.8  | 831.6  | 808.0  |
| 55°   | 1094.9 | 1096.9 | 1095.5 | 1087.9 | 1082.6 | 1070.2 | 1063.4 | 1042.3 | 1033.3 | 1011.4 | 986.6  |
| 57.5° | 1326.5 | 1342.2 | 1362.2 | 1370.1 | 1380.8 | 1370.6 | 1382.5 | 1396.8 | 1361.1 | 1373.5 | 1351.2 |
| 60°   | 1622.2 | 1694.5 | 1737.5 | 1790.4 | 1825.0 | 1873.4 | 1882.1 | 1894.8 | 1891.1 | 1898.1 | 1912.5 |
| 62.5° | 1802.8 | 1888.6 | 1971.0 | 2030.9 | 2095.1 | 2130.5 | 2173.3 | 2203.1 | 2234.0 | 2254.9 | 2249.0 |
| 65°   | 1855.9 | 1944.3 | 2019.1 | 2084.7 | 2142.0 | 2185.4 | 2225.0 | 2262.5 | 2290.9 | 2310.8 | 2322.7 |
| 67.5° | 1660.7 | 1776.0 | 1854.8 | 1931.6 | 2005.6 | 2051.2 | 2084.4 | 2120.7 | 2162.3 | 2196.9 | 2203.7 |
| 70°   | 1249.7 | 1422.7 | 1534.4 | 1626.4 | 1713.3 | 1774.6 | 1821.1 | 1854.8 | 1887.2 | 1911.9 | 1938.9 |
| 72.5° | 781.5  | 932.9  | 1060.6 | 1179.9 | 1272.2 | 1356.6 | 1395.7 | 1470.5 | 1460.7 | 1479.5 | 1499.8 |
| 75°   | 468.4  | 542.1  | 612.5  | 696.6  | 745.0  | 815.3  | 828.0  | 840.3  | 833.9  | 812.8  | 828.5  |
| 77.5° | 325.5  | 337.6  | 337.0  | 332.3  | 327.2  | 314.8  | 298.8  | 290.1  | 284.1  | 275.7  | 279.1  |
| 80°   | 327.5  | 301.3  | 261.4  | 219.7  | 181.5  | 156.1  | 146.0  | 146.0  | 156.4  | 171.3  | 186.2  |
| 82.5° | 391.3  | 363.5  | 324.1  | 271.2  | 214.9  | 175.0  | 148.3  | 137.6  | 139.5  | 154.7  | 173.9  |
| 85°   | 263.9  | 270.1  | 236.9  | 216.6  | 171.6  | 133.6  | 112.0  | 90.9   | 80.5   | 83.0   | 94.0   |
| 87.5° | 9.6    | 11.5   | 4.2    | 5.6    | 3.9    | 3.4    | 3.4    | 3.7    | 2.5    | 3.1    | 2.8    |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  |
| 2.5°  | 261.9  | 261.6  | 261.6  | 261.1  | 261.1  | 260.8  | 260.8  | 260.5  | 260.2  | 260.2  | 259.9  |
| 5°    | 268.1  | 267.8  | 267.3  | 267.0  | 266.4  | 266.4  | 266.1  | 265.6  | 265.6  | 265.0  | 264.7  |
| 7.5°  | 276.8  | 276.3  | 275.7  | 275.4  | 275.1  | 274.3  | 274.3  | 273.7  | 273.7  | 273.2  | 272.9  |
| 10°   | 287.2  | 286.7  | 286.1  | 286.4  | 285.6  | 285.3  | 284.7  | 284.7  | 283.9  | 283.6  | 283.6  |
| 12.5° | 298.5  | 298.2  | 298.2  | 297.4  | 297.1  | 296.8  | 295.7  | 295.7  | 295.7  | 295.1  | 295.4  |
| 15°   | 310.6  | 310.9  | 310.0  | 310.9  | 310.6  | 309.7  | 309.7  | 309.7  | 308.6  | 310.0  | 308.9  |
| 17.5° | 326.9  | 327.7  | 327.2  | 327.5  | 326.9  | 326.9  | 327.2  | 326.9  | 327.5  | 327.5  | 329.2  |
| 20°   | 347.2  | 347.4  | 348.8  | 348.3  | 348.3  | 348.0  | 348.6  | 348.8  | 350.0  | 349.4  | 350.5  |
| 22.5° | 369.4  | 370.8  | 371.1  | 372.2  | 372.2  | 371.9  | 372.5  | 373.6  | 374.2  | 375.0  | 374.7  |
| 25°   | 394.7  | 395.6  | 396.7  | 395.3  | 397.5  | 397.5  | 398.1  | 399.5  | 399.8  | 399.8  | 401.7  |
| 27.5° | 418.3  | 420.6  | 420.9  | 422.3  | 421.4  | 422.0  | 424.0  | 424.8  | 425.9  | 425.9  | 426.5  |
| 30°   | 445.1  | 445.9  | 446.5  | 448.2  | 447.9  | 448.2  | 448.4  | 449.8  | 449.8  | 451.3  | 452.7  |
| 32.5° | 472.6  | 473.2  | 473.8  | 475.4  | 476.0  | 477.1  | 476.6  | 477.7  | 479.1  | 479.4  | 480.2  |
| 35°   | 505.6  | 506.1  | 506.7  | 509.2  | 509.5  | 511.5  | 512.0  | 511.5  | 513.7  | 512.3  | 513.7  |
| 37.5° | 524.7  | 527.2  | 527.8  | 529.5  | 528.9  | 530.3  | 531.2  | 532.3  | 532.8  | 534.0  | 536.2  |
| 40°   | 548.0  | 548.9  | 550.6  | 551.4  | 552.5  | 552.8  | 553.9  | 554.8  | 555.6  | 558.2  | 560.7  |
| 42.5° | 571.9  | 573.1  | 573.9  | 575.0  | 576.4  | 577.6  | 578.4  | 580.9  | 581.5  | 583.2  | 588.0  |
| 45°   | 600.9  | 600.4  | 600.6  | 600.9  | 601.5  | 602.9  | 605.4  | 608.0  | 609.6  | 613.6  | 617.5  |
| 47.5° | 636.9  | 633.3  | 631.9  | 629.6  | 630.2  | 633.3  | 633.8  | 638.1  | 641.4  | 645.1  | 649.9  |
| 50°   | 691.5  | 681.7  | 675.8  | 669.8  | 669.3  | 671.0  | 673.2  | 677.7  | 681.7  | 686.4  | 693.2  |
| 52.5° | 783.2  | 764.4  | 752.6  | 736.2  | 731.7  | 730.9  | 729.2  | 731.7  | 732.9  | 739.3  | 752.0  |
| 55°   | 968.9  | 934.0  | 911.5  | 886.2  | 862.6  | 855.5  | 842.0  | 844.8  | 842.0  | 846.0  | 864.8  |
| 57.5° | 1356.6 | 1328.7 | 1306.8 | 1274.4 | 1233.9 | 1190.9 | 1180.2 | 1136.0 | 1144.7 | 1170.1 | 1153.7 |
| 60°   | 1919.5 | 1909.4 | 1893.6 | 1878.2 | 1822.7 | 1791.5 | 1740.6 | 1735.0 | 1699.2 | 1699.5 | 1676.2 |
| 62.5° | 2234.6 | 2247.5 | 2238.0 | 2233.5 | 2230.4 | 2220.5 | 2195.2 | 2164.8 | 2119.3 | 2086.3 | 2038.0 |
| 65°   | 2324.6 | 2313.7 | 2303.3 | 2301.8 | 2301.0 | 2317.0 | 2320.7 | 2299.3 | 2258.0 | 2206.8 | 2151.1 |
| 67.5° | 2219.7 | 2213.5 | 2214.1 | 2202.3 | 2209.6 | 2237.4 | 2256.8 | 2250.9 | 2212.9 | 2151.1 | 2080.2 |
| 70°   | 1969.9 | 1957.8 | 1970.2 | 1985.6 | 1996.6 | 2012.6 | 2032.0 | 2036.8 | 2002.2 | 1938.6 | 1866.3 |
| 72.5° | 1475.0 | 1477.0 | 1488.8 | 1493.0 | 1537.2 | 1532.7 | 1550.1 | 1493.3 | 1468.3 | 1407.8 | 1370.6 |
| 75°   | 776.2  | 763.5  | 796.4  | 726.7  | 698.0  | 718.0  | 662.0  | 608.2  | 619.5  | 628.8  | 561.8  |
| 77.5° | 274.3  | 256.6  | 226.5  | 214.4  | 178.4  | 151.1  | 123.5  | 111.4  | 104.9  | 101.6  | 97.3   |
| 80°   | 196.9  | 202.6  | 196.4  | 181.7  | 154.5  | 123.8  | 97.6   | 77.1   | 66.1   | 60.2   | 56.3   |
| 82.5° | 199.2  | 221.4  | 231.3  | 227.0  | 202.3  | 153.0  | 101.0  | 64.4   | 47.8   | 39.9   | 37.1   |
| 85°   | 106.9  | 117.0  | 112.5  | 94.8   | 85.2   | 50.9   | 34.9   | 23.4   | 19.7   | 18.0   | 16.6   |
| 87.5° | 4.2    | 3.4    | 2.8    | 2.8    | 3.1    | 3.4    | 2.8    | 3.1    | 2.8    | 2.8    | 2.8    |
| 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):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5  | 258.5 | 258.5 | 258.5 | 258.5 | 258.5 |
| 2.5°  | 259.4  | 259.4  | 259.4  | 259.1  | 258.5  | 257.1  | 255.7 | 254.6 | 253.8 | 252.9 | 251.8 |
| 5°    | 264.5  | 263.9  | 263.9  | 263.9  | 261.6  | 259.4  | 257.4 | 255.4 | 253.8 | 252.4 | 251.2 |
| 7.5°  | 272.9  | 272.6  | 271.5  | 271.2  | 269.5  | 265.9  | 263.6 | 260.2 | 258.3 | 256.3 | 255.7 |
| 10°   | 283.0  | 282.7  | 282.5  | 282.2  | 279.9  | 276.3  | 273.5 | 270.4 | 267.5 | 264.7 | 261.9 |
| 12.5° | 294.8  | 294.6  | 294.3  | 293.4  | 292.6  | 290.6  | 287.5 | 284.1 | 280.8 | 274.9 | 271.8 |
| 15°   | 309.5  | 310.0  | 309.5  | 309.2  | 308.6  | 308.9  | 306.9 | 302.1 | 296.8 | 289.2 | 282.7 |
| 17.5° | 328.9  | 328.3  | 328.0  | 329.2  | 328.9  | 330.3  | 329.7 | 323.5 | 315.4 | 303.3 | 292.0 |
| 20°   | 350.3  | 350.3  | 351.4  | 352.2  | 354.8  | 358.4  | 356.7 | 349.1 | 334.2 | 317.3 | 302.7 |
| 22.5° | 375.9  | 376.4  | 377.5  | 377.0  | 380.9  | 386.8  | 387.4 | 376.7 | 357.3 | 333.9 | 313.4 |
| 25°   | 402.6  | 403.1  | 402.0  | 403.7  | 410.2  | 418.6  | 420.3 | 405.1 | 379.5 | 349.1 | 322.4 |
| 27.5° | 427.9  | 428.5  | 428.5  | 430.7  | 436.9  | 451.3  | 452.9 | 436.1 | 402.0 | 362.4 | 328.9 |
| 30°   | 452.7  | 454.9  | 455.5  | 456.0  | 465.3  | 485.3  | 489.0 | 464.5 | 421.7 | 372.2 | 333.4 |
| 32.5° | 483.9  | 484.7  | 485.9  | 487.3  | 498.0  | 522.4  | 522.4 | 489.0 | 434.4 | 378.4 | 334.2 |
| 35°   | 517.4  | 517.6  | 520.2  | 520.5  | 535.7  | 560.1  | 555.3 | 509.2 | 443.4 | 377.0 | 328.0 |
| 37.5° | 537.6  | 538.7  | 541.3  | 544.7  | 560.7  | 595.3  | 584.3 | 526.7 | 445.1 | 367.7 | 314.0 |
| 40°   | 562.7  | 564.9  | 567.4  | 570.8  | 594.7  | 631.0  | 608.8 | 537.6 | 438.0 | 349.4 | 292.9 |
| 42.5° | 589.7  | 592.8  | 596.7  | 602.9  | 631.3  | 662.5  | 627.4 | 539.3 | 422.0 | 328.9 | 267.8 |
| 45°   | 620.1  | 625.7  | 630.2  | 637.5  | 669.6  | 689.8  | 638.6 | 529.5 | 401.7 | 301.9 | 241.1 |
| 47.5° | 655.2  | 659.7  | 667.6  | 675.5  | 707.5  | 708.4  | 639.7 | 510.3 | 374.2 | 274.9 | 212.7 |
| 50°   | 698.5  | 701.4  | 713.2  | 718.0  | 748.1  | 727.8  | 631.6 | 484.5 | 345.2 | 244.5 | 181.2 |
| 52.5° | 756.2  | 760.2  | 775.3  | 782.7  | 804.0  | 754.2  | 620.1 | 456.3 | 312.0 | 210.4 | 148.8 |
| 55°   | 870.2  | 887.3  | 898.0  | 910.7  | 924.5  | 814.2  | 615.0 | 426.2 | 274.6 | 171.0 | 117.9 |
| 57.5° | 1190.0 | 1184.4 | 1208.0 | 1236.7 | 1236.4 | 951.2  | 645.4 | 400.3 | 230.4 | 130.8 | 90.6  |
| 60°   | 1666.6 | 1671.9 | 1659.8 | 1677.0 | 1622.4 | 1121.1 | 687.0 | 373.0 | 180.6 | 97.3  | 69.2  |
| 62.5° | 2020.8 | 1989.8 | 1972.7 | 1952.4 | 1832.3 | 1139.7 | 656.6 | 317.1 | 131.4 | 68.4  | 53.2  |
| 65°   | 2104.6 | 2068.3 | 2031.5 | 1992.9 | 1811.8 | 1027.4 | 538.7 | 232.7 | 85.0  | 47.0  | 42.2  |
| 67.5° | 2021.9 | 1963.7 | 1916.7 | 1877.0 | 1660.1 | 851.6  | 393.9 | 142.9 | 48.7  | 38.0  | 36.0  |
| 70°   | 1807.5 | 1743.1 | 1667.2 | 1622.7 | 1397.9 | 627.6  | 252.4 | 77.1  | 37.4  | 33.8  | 32.9  |
| 72.5° | 1323.1 | 1270.2 | 1187.2 | 1136.3 | 1003.8 | 381.5  | 140.9 | 43.3  | 34.9  | 32.4  | 31.2  |
| 75°   | 515.4  | 487.8  | 453.2  | 456.0  | 407.1  | 168.8  | 63.9  | 37.4  | 34.0  | 31.8  | 30.7  |
| 77.5° | 88.6   | 86.4   | 79.9   | 79.9   | 90.9   | 61.6   | 42.5  | 37.7  | 33.8  | 31.2  | 29.3  |
| 80°   | 53.2   | 52.0   | 49.5   | 49.0   | 47.3   | 43.3   | 40.8  | 38.3  | 33.2  | 29.5  | 27.0  |
| 82.5° | 34.9   | 33.5   | 32.6   | 32.4   | 35.2   | 38.0   | 38.3  | 38.0  | 31.5  | 25.6  | 21.9  |
| 85°   | 14.9   | 14.9   | 14.9   | 15.2   | 20.3   | 30.7   | 31.5  | 33.8  | 25.9  | 20.0  | 15.8  |
| 87.5° | 2.5    | 3.1    | 3.1    | 3.4    | 3.7    | 6.8    | 8.4   | 11.0  | 8.7   | 8.4   | 7.6   |
| 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°    | 258.5 | 258.5 | 258.5 |
| 2.5°  | 251.5 | 250.9 | 250.9 |
| 5°    | 250.7 | 250.1 | 250.4 |
| 7.5°  | 254.0 | 252.9 | 253.2 |
| 10°   | 260.2 | 259.1 | 258.5 |
| 12.5° | 268.1 | 266.7 | 266.7 |
| 15°   | 276.3 | 272.9 | 272.6 |
| 17.5° | 283.0 | 278.8 | 278.2 |
| 20°   | 290.6 | 285.0 | 284.1 |
| 22.5° | 297.6 | 290.1 | 288.9 |
| 25°   | 302.7 | 293.4 | 292.0 |
| 27.5° | 305.0 | 294.0 | 292.9 |
| 30°   | 306.7 | 294.3 | 292.6 |
| 32.5° | 305.0 | 291.7 | 290.3 |
| 35°   | 295.7 | 281.3 | 280.5 |
| 37.5° | 279.6 | 263.6 | 262.5 |
| 40°   | 258.5 | 241.7 | 238.8 |
| 42.5° | 231.5 | 215.8 | 212.7 |
| 45°   | 205.4 | 187.4 | 186.0 |
| 47.5° | 177.2 | 160.1 | 160.9 |
| 50°   | 147.7 | 132.2 | 131.9 |
| 52.5° | 119.6 | 106.1 | 105.2 |
| 55°   | 94.2  | 84.7  | 83.8  |
| 57.5° | 74.6  | 69.5  | 68.6  |
| 60°   | 60.8  | 58.2  | 57.4  |
| 62.5° | 49.0  | 48.1  | 47.8  |
| 65°   | 40.8  | 40.8  | 40.8  |
| 67.5° | 35.4  | 35.7  | 35.7  |
| 70°   | 32.6  | 32.9  | 32.6  |
| 72.5° | 31.5  | 32.4  | 32.4  |
| 75°   | 30.7  | 31.2  | 30.1  |
| 77.5° | 30.1  | 30.4  | 28.4  |
| 80°   | 29.8  | 29.5  | 25.9  |
| 82.5° | 25.9  | 25.0  | 21.9  |
| 85°   | 23.6  | 18.0  | 15.2  |
| 87.5° | 12.1  | 8.4   | 6.5   |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)