

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: P145343

Luminaire Tested: **OVH-F01-LED-E-U-SL3-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145343  
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: OVH-F01-LED-E-U-SL3-8030  
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2068.4 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - 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

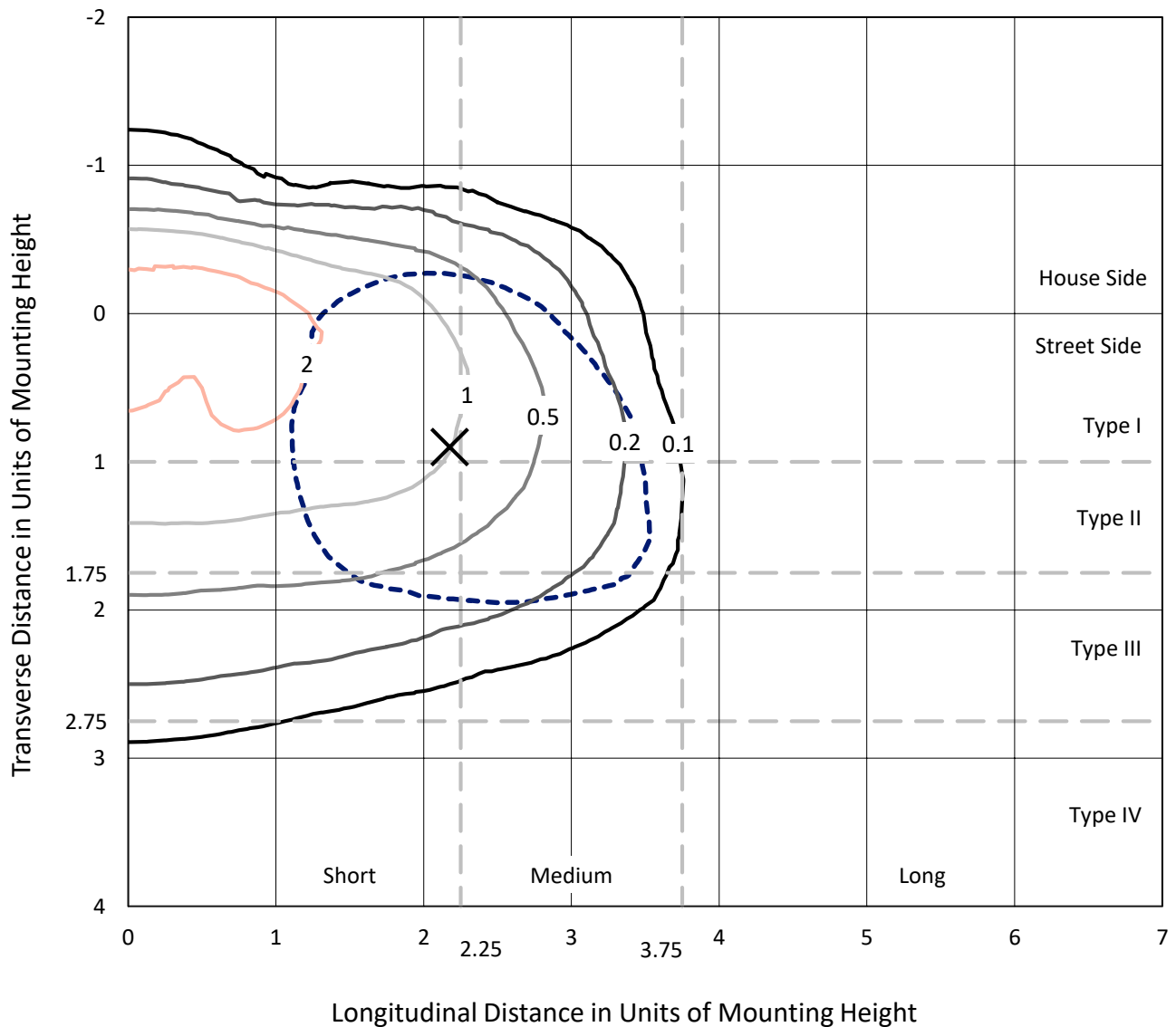


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### Iso-Footcandle Lines of Horizontal Illumination

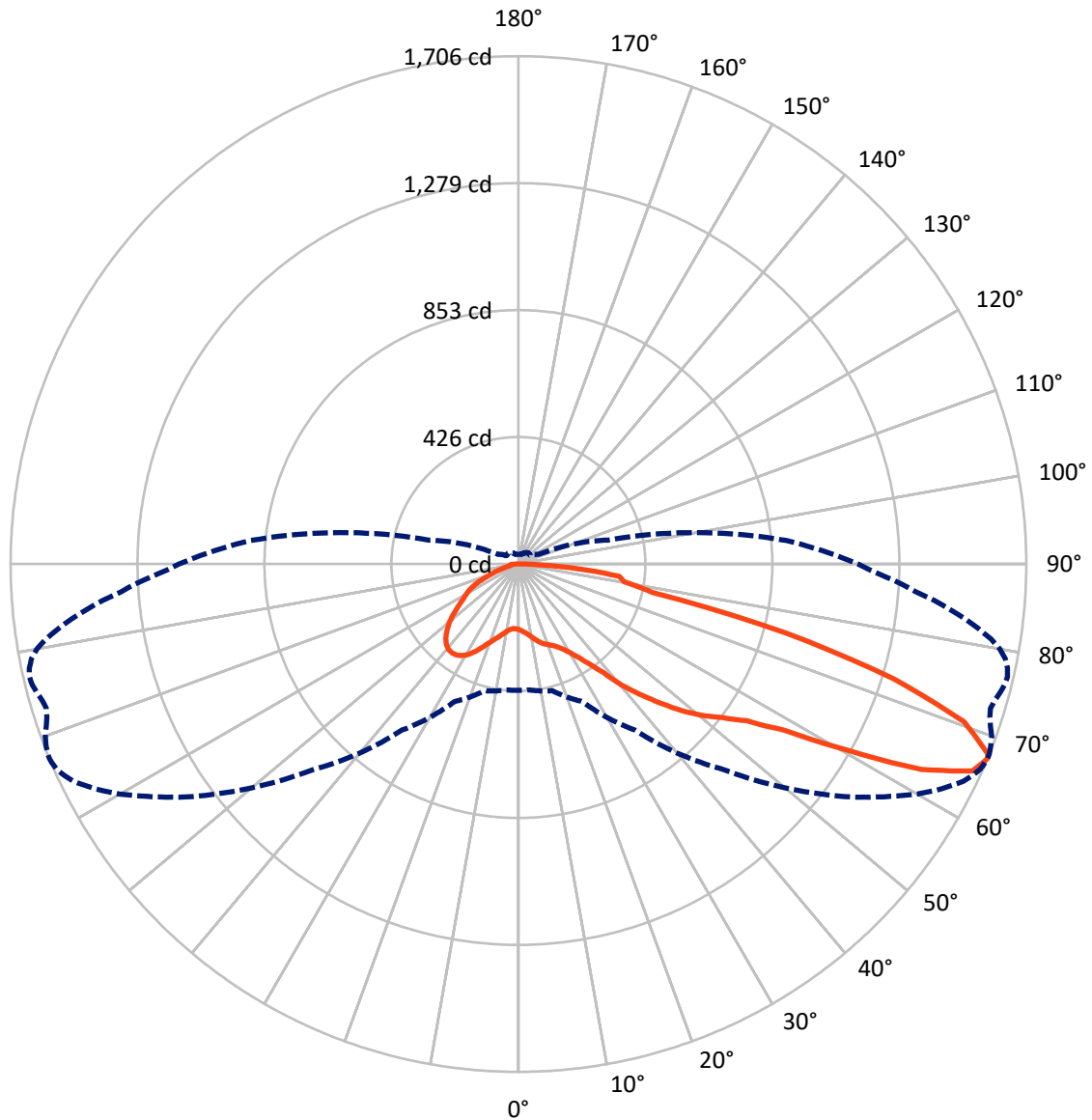
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 489.8    | 0.0    | 489.8  |
|                    | % Fixture | 23.7     | 0.0    | 23.7   |
| <b>Street Side</b> | Lumens    | 1578.6   | 0.0    | 1578.6 |
|                    | % Fixture | 76.3     | 0.0    | 76.3   |
| <b>Total</b>       | Lumens    | 2068.4   | 0.0    | 2068.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.0   | 1.1       |
| 10°-20°   | 75.2   | 3.6       |
| 20°-30°   | 133.9  | 6.5       |
| 30°-40°   | 195.0  | 9.4       |
| 40°-50°   | 300.5  | 14.5      |
| 50°-60°   | 440.0  | 21.3      |
| 60°-70°   | 584.3  | 28.3      |
| 70°-80°   | 275.4  | 13.3      |
| 80°-90°   | 42.1   | 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°    | 2068.4 | 100.0     |
| 0°-180°   | 2068.4 | 100.0     |



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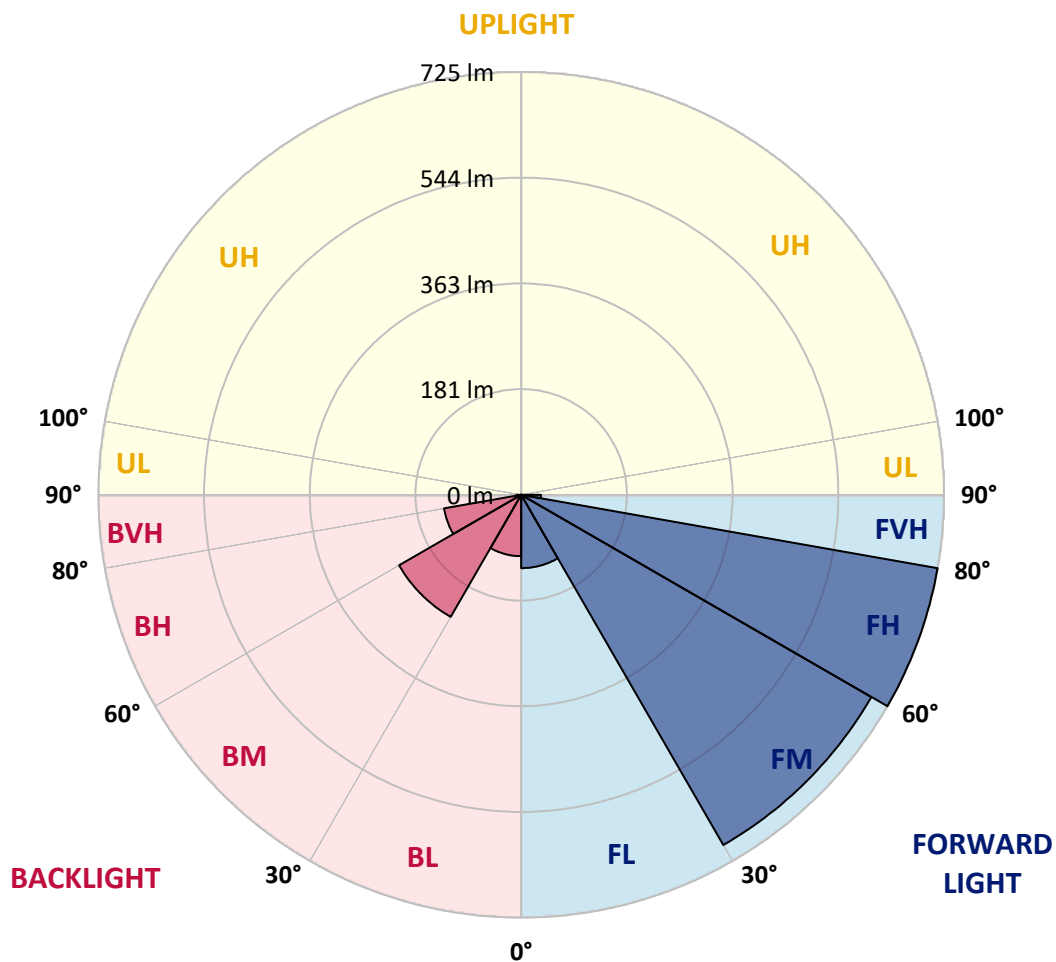
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 125.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 693.6  | 33.5      |                         |      |         |
| FH   | (60°-80°)   | 725.3  | 35.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 33.9   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 105.3  | 5.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 241.9  | 11.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 134.5  | 6.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.2    | 0.4       |                         |      | G0/10   |
| 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°    | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  |
| 2.5°  | 231.0 | 230.1 | 230.2 | 230.6 | 229.2 | 228.5 | 227.0  | 226.0  | 225.9  | 225.7  | 225.2  |
| 5°    | 244.6 | 243.6 | 244.0 | 242.9 | 240.2 | 238.4 | 235.2  | 233.5  | 233.3  | 233.0  | 232.3  |
| 7.5°  | 258.6 | 257.4 | 256.0 | 254.7 | 251.8 | 248.9 | 244.7  | 242.2  | 241.9  | 241.5  | 241.1  |
| 10°   | 275.3 | 273.5 | 272.4 | 268.5 | 263.5 | 259.5 | 255.3  | 252.6  | 252.5  | 252.1  | 251.2  |
| 12.5° | 294.2 | 292.2 | 290.1 | 285.0 | 277.2 | 271.2 | 266.3  | 264.8  | 263.5  | 263.6  | 262.8  |
| 15°   | 312.8 | 310.7 | 308.0 | 301.4 | 291.1 | 282.2 | 275.9  | 273.7  | 273.8  | 273.1  | 273.5  |
| 17.5° | 328.6 | 326.8 | 322.7 | 314.4 | 302.4 | 290.1 | 282.2  | 281.2  | 281.5  | 281.3  | 281.8  |
| 20°   | 338.9 | 337.8 | 331.6 | 321.6 | 308.1 | 294.6 | 286.5  | 286.5  | 286.6  | 287.2  | 288.2  |
| 22.5° | 345.2 | 343.5 | 335.4 | 321.3 | 308.0 | 296.7 | 290.4  | 291.8  | 292.6  | 293.0  | 294.6  |
| 25°   | 348.6 | 346.6 | 335.5 | 316.9 | 303.2 | 298.2 | 296.3  | 299.7  | 301.1  | 301.8  | 304.3  |
| 27.5° | 348.6 | 346.1 | 333.7 | 311.3 | 297.8 | 302.8 | 307.4  | 313.4  | 314.4  | 316.5  | 319.4  |
| 30°   | 344.7 | 342.8 | 330.9 | 307.1 | 296.4 | 311.4 | 325.4  | 332.2  | 334.6  | 336.9  | 340.7  |
| 32.5° | 340.6 | 338.9 | 329.6 | 309.4 | 304.2 | 329.6 | 352.8  | 362.2  | 363.6  | 365.5  | 369.4  |
| 35°   | 340.3 | 339.7 | 335.7 | 323.6 | 327.7 | 362.7 | 394.2  | 400.6  | 404.5  | 405.5  | 407.2  |
| 37.5° | 343.2 | 344.3 | 347.8 | 346.6 | 361.6 | 412.0 | 448.4  | 461.2  | 464.3  | 462.6  | 464.2  |
| 40°   | 350.0 | 352.8 | 365.8 | 381.8 | 413.3 | 471.7 | 522.3  | 537.0  | 540.4  | 539.4  | 539.0  |
| 42.5° | 371.6 | 375.4 | 394.5 | 428.8 | 467.1 | 533.4 | 590.8  | 606.7  | 607.8  | 608.4  | 604.8  |
| 45°   | 405.5 | 407.6 | 433.0 | 476.7 | 525.3 | 599.9 | 659.3  | 676.9  | 676.3  | 673.5  | 670.8  |
| 47.5° | 444.0 | 448.3 | 478.7 | 531.6 | 585.5 | 661.3 | 728.5  | 745.8  | 747.3  | 744.8  | 739.9  |
| 50°   | 478.9 | 482.3 | 516.6 | 579.4 | 638.6 | 712.5 | 786.9  | 804.3  | 804.0  | 805.4  | 806.8  |
| 52.5° | 506.5 | 509.6 | 542.2 | 611.3 | 677.6 | 755.4 | 830.9  | 852.4  | 855.7  | 858.0  | 860.7  |
| 55°   | 520.7 | 523.9 | 554.0 | 624.6 | 701.3 | 797.3 | 881.8  | 912.6  | 918.3  | 923.3  | 927.9  |
| 57.5° | 521.0 | 525.2 | 552.8 | 623.6 | 713.6 | 834.8 | 949.1  | 1004.4 | 1012.5 | 1025.3 | 1041.1 |
| 60°   | 512.5 | 518.4 | 543.2 | 614.5 | 727.7 | 882.3 | 1060.0 | 1165.9 | 1181.8 | 1204.2 | 1224.4 |
| 62.5° | 490.4 | 496.2 | 518.4 | 591.5 | 744.1 | 943.2 | 1220.3 | 1375.5 | 1409.4 | 1434.2 | 1474.2 |
| 65°   | 455.4 | 461.0 | 479.6 | 553.5 | 731.0 | 991.3 | 1339.7 | 1525.9 | 1560.4 | 1591.5 | 1638.4 |
| 67°   | 424.2 | 424.7 | 440.5 | 509.9 | 680.0 | 976.4 | 1363.7 | 1545.9 | 1577.8 | 1609.3 | 1663.8 |
| 67.5° | 413.2 | 416.2 | 428.5 | 495.4 | 660.6 | 965.4 | 1354.2 | 1535.0 | 1566.0 | 1599.6 | 1655.2 |
| 70°   | 334.0 | 334.9 | 346.7 | 395.2 | 524.2 | 800.4 | 1216.4 | 1396.4 | 1417.6 | 1466.8 | 1521.4 |
| 72.5° | 203.7 | 202.3 | 206.1 | 242.0 | 345.0 | 554.3 | 973.9  | 1149.6 | 1178.6 | 1220.5 | 1257.5 |
| 75°   | 112.2 | 118.9 | 123.5 | 148.4 | 193.8 | 325.9 | 663.2  | 831.8  | 874.3  | 899.2  | 906.6  |
| 77.5° | 68.6  | 68.0  | 70.1  | 95.7  | 159.0 | 223.0 | 366.3  | 488.0  | 511.7  | 518.8  | 491.3  |
| 80°   | 32.6  | 33.9  | 33.4  | 39.4  | 77.1  | 188.1 | 256.1  | 313.4  | 325.4  | 332.2  | 341.1  |
| 82.5° | 17.8  | 18.5  | 21.0  | 23.5  | 30.4  | 81.0  | 221.0  | 289.0  | 297.1  | 308.8  | 321.9  |
| 85°   | 11.1  | 11.7  | 16.2  | 17.0  | 18.7  | 24.9  | 92.1   | 168.9  | 175.7  | 199.0  | 206.4  |
| 87.5° | 4.6   | 5.0   | 8.8   | 7.9   | 9.5   | 8.8   | 27.9   | 42.9   | 45.6   | 48.5   | 53.8   |
| 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):**

|       | 65°    | 66°    | 67°    | 67.5°  | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  |
| 2.5°  | 225.3  | 225.2  | 224.6  | 224.5  | 224.8  | 224.8  | 224.5  | 224.1  | 223.9  | 223.8  | 223.5  |
| 5°    | 232.0  | 231.7  | 231.3  | 231.0  | 230.9  | 230.9  | 230.5  | 230.1  | 229.6  | 229.1  | 228.9  |
| 7.5°  | 240.0  | 240.0  | 239.8  | 239.4  | 239.0  | 238.4  | 238.0  | 237.6  | 237.2  | 236.9  | 236.5  |
| 10°   | 250.4  | 251.0  | 250.0  | 249.7  | 249.6  | 248.7  | 248.6  | 248.2  | 247.9  | 247.2  | 247.2  |
| 12.5° | 262.8  | 262.3  | 262.1  | 261.6  | 261.6  | 261.1  | 261.0  | 260.9  | 260.6  | 260.0  | 259.9  |
| 15°   | 273.1  | 273.1  | 273.0  | 272.7  | 273.0  | 272.7  | 272.3  | 272.6  | 272.1  | 272.3  | 271.9  |
| 17.5° | 281.5  | 282.0  | 281.9  | 282.0  | 281.9  | 281.9  | 282.2  | 282.2  | 282.5  | 281.9  | 282.0  |
| 20°   | 288.4  | 289.3  | 289.7  | 289.4  | 289.7  | 289.8  | 290.5  | 290.8  | 291.2  | 291.5  | 291.5  |
| 22.5° | 295.7  | 296.8  | 297.6  | 297.6  | 298.2  | 298.8  | 300.0  | 300.3  | 301.3  | 301.1  | 301.8  |
| 25°   | 305.9  | 307.7  | 308.2  | 309.1  | 309.8  | 310.7  | 312.3  | 313.0  | 313.4  | 314.4  | 315.5  |
| 27.5° | 321.5  | 323.7  | 324.1  | 325.1  | 326.9  | 327.5  | 329.1  | 329.8  | 331.4  | 333.5  | 333.9  |
| 30°   | 342.8  | 345.6  | 345.7  | 346.8  | 348.9  | 349.6  | 351.0  | 352.8  | 354.1  | 356.2  | 356.3  |
| 32.5° | 371.8  | 374.6  | 374.1  | 376.2  | 376.1  | 378.2  | 377.8  | 380.6  | 381.7  | 382.8  | 385.9  |
| 35°   | 410.4  | 410.1  | 412.2  | 412.9  | 412.5  | 414.1  | 413.9  | 415.1  | 416.2  | 416.2  | 419.6  |
| 37.5° | 466.0  | 465.6  | 465.3  | 462.4  | 461.7  | 461.8  | 461.2  | 462.4  | 460.5  | 460.5  | 464.2  |
| 40°   | 540.5  | 538.0  | 536.1  | 534.1  | 532.2  | 529.5  | 527.3  | 526.7  | 523.7  | 523.5  | 522.1  |
| 42.5° | 605.3  | 603.0  | 601.6  | 597.8  | 595.8  | 595.4  | 590.0  | 588.5  | 587.6  | 588.2  | 586.8  |
| 45°   | 673.3  | 670.8  | 665.5  | 663.8  | 663.3  | 660.4  | 659.5  | 655.8  | 654.7  | 656.6  | 655.9  |
| 47.5° | 743.4  | 739.8  | 736.9  | 734.9  | 734.2  | 731.7  | 728.1  | 731.2  | 729.6  | 728.5  | 726.4  |
| 50°   | 806.4  | 802.4  | 802.4  | 798.9  | 799.4  | 797.8  | 794.0  | 794.8  | 790.5  | 792.2  | 791.1  |
| 52.5° | 859.2  | 859.5  | 860.9  | 857.0  | 857.7  | 857.7  | 856.4  | 852.4  | 853.5  | 852.9  | 855.6  |
| 55°   | 926.4  | 931.0  | 928.5  | 929.2  | 930.0  | 933.9  | 936.7  | 934.3  | 930.4  | 933.5  | 942.0  |
| 57.5° | 1043.8 | 1048.0 | 1050.5 | 1052.5 | 1055.7 | 1057.5 | 1072.6 | 1074.6 | 1070.2 | 1079.4 | 1098.3 |
| 60°   | 1248.1 | 1253.1 | 1260.7 | 1270.6 | 1272.7 | 1285.3 | 1293.1 | 1302.3 | 1305.7 | 1313.6 | 1334.0 |
| 62.5° | 1493.8 | 1505.1 | 1506.5 | 1519.0 | 1528.8 | 1516.9 | 1520.0 | 1531.3 | 1518.5 | 1536.0 | 1536.9 |
| 65°   | 1654.6 | 1671.1 | 1671.6 | 1676.2 | 1679.8 | 1668.7 | 1663.7 | 1658.6 | 1646.5 | 1645.8 | 1658.0 |
| 67°   | 1682.2 | 1697.2 | 1703.5 | 1705.7 | 1705.2 | 1699.5 | 1691.3 | 1676.8 | 1665.1 | 1658.4 | 1663.4 |
| 67.5° | 1674.4 | 1689.2 | 1697.9 | 1700.0 | 1700.2 | 1694.6 | 1687.1 | 1671.3 | 1660.3 | 1652.8 | 1658.1 |
| 70°   | 1546.2 | 1580.8 | 1595.8 | 1588.0 | 1592.5 | 1592.5 | 1592.2 | 1577.7 | 1572.3 | 1565.0 | 1562.2 |
| 72.5° | 1285.6 | 1309.6 | 1328.7 | 1318.5 | 1319.8 | 1329.2 | 1327.0 | 1328.5 | 1312.9 | 1311.3 | 1285.5 |
| 75°   | 920.9  | 928.6  | 922.2  | 929.4  | 890.4  | 876.5  | 852.8  | 818.2  | 809.2  | 794.8  | 751.9  |
| 77.5° | 489.2  | 480.6  | 463.5  | 462.1  | 446.1  | 433.6  | 418.3  | 408.3  | 382.9  | 368.9  | 336.7  |
| 80°   | 345.6  | 349.8  | 356.3  | 360.2  | 363.8  | 366.6  | 360.9  | 344.9  | 323.7  | 300.0  | 277.6  |
| 82.5° | 330.1  | 335.8  | 339.7  | 341.7  | 340.3  | 335.8  | 322.7  | 307.4  | 279.1  | 258.6  | 234.4  |
| 85°   | 208.2  | 212.8  | 204.8  | 203.2  | 206.7  | 178.5  | 163.0  | 150.5  | 121.9  | 113.4  | 100.2  |
| 87.5° | 55.9   | 58.9   | 59.1   | 57.3   | 56.2   | 49.5   | 43.8   | 38.7   | 32.0   | 30.1   | 24.4   |
| 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):**

|       | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  |
| 2.5°  | 223.5  | 223.4  | 223.4  | 223.0  | 222.7  | 222.5  | 222.4  | 222.0  | 221.7  | 221.7  | 221.6  |
| 5°    | 228.8  | 228.5  | 228.1  | 228.0  | 227.4  | 227.1  | 226.6  | 226.3  | 225.9  | 225.6  | 225.5  |
| 7.5°  | 236.3  | 235.6  | 234.8  | 234.9  | 234.1  | 233.7  | 233.4  | 232.8  | 232.4  | 232.0  | 231.9  |
| 10°   | 246.4  | 246.2  | 245.4  | 245.7  | 244.1  | 244.8  | 243.4  | 243.6  | 242.7  | 241.9  | 241.8  |
| 12.5° | 259.2  | 259.0  | 258.2  | 257.2  | 257.0  | 257.1  | 256.3  | 256.4  | 255.4  | 255.1  | 254.9  |
| 15°   | 271.4  | 271.2  | 270.8  | 270.1  | 269.6  | 269.5  | 269.2  | 268.9  | 268.1  | 268.1  | 267.1  |
| 17.5° | 282.0  | 282.2  | 281.6  | 281.1  | 280.8  | 280.4  | 280.2  | 280.2  | 279.5  | 278.8  | 279.0  |
| 20°   | 291.4  | 291.7  | 291.7  | 291.2  | 291.4  | 291.1  | 291.0  | 291.2  | 290.5  | 290.3  | 289.8  |
| 22.5° | 301.8  | 301.8  | 302.0  | 302.2  | 302.7  | 302.8  | 302.8  | 302.5  | 302.1  | 302.0  | 301.1  |
| 25°   | 316.3  | 315.8  | 316.5  | 316.7  | 316.7  | 317.4  | 317.2  | 317.3  | 317.4  | 317.0  | 316.6  |
| 27.5° | 334.6  | 334.0  | 335.4  | 336.4  | 336.2  | 336.7  | 337.5  | 336.5  | 337.1  | 337.5  | 336.5  |
| 30°   | 357.0  | 358.4  | 359.4  | 360.1  | 359.8  | 361.0  | 361.5  | 361.3  | 360.9  | 361.6  | 361.6  |
| 32.5° | 385.6  | 384.9  | 387.4  | 388.9  | 389.1  | 388.8  | 389.5  | 390.3  | 389.6  | 390.7  | 390.2  |
| 35°   | 419.6  | 420.0  | 420.5  | 422.2  | 422.9  | 421.8  | 422.9  | 423.9  | 423.6  | 423.8  | 424.3  |
| 37.5° | 463.5  | 464.2  | 463.6  | 463.7  | 463.5  | 468.8  | 469.6  | 470.4  | 469.5  | 468.6  | 471.1  |
| 40°   | 524.4  | 524.4  | 524.2  | 526.0  | 523.0  | 526.3  | 525.3  | 527.7  | 530.2  | 528.8  | 532.6  |
| 42.5° | 584.3  | 587.6  | 587.9  | 585.3  | 587.5  | 591.1  | 591.1  | 592.6  | 594.9  | 592.6  | 596.3  |
| 45°   | 653.0  | 657.2  | 656.5  | 660.9  | 657.6  | 661.8  | 662.5  | 660.5  | 665.4  | 665.9  | 664.5  |
| 47.5° | 727.9  | 728.8  | 728.9  | 730.5  | 731.2  | 734.5  | 734.4  | 738.0  | 736.9  | 731.3  | 733.2  |
| 50°   | 792.2  | 794.3  | 795.4  | 796.4  | 799.9  | 802.2  | 805.4  | 806.0  | 805.1  | 803.5  | 801.9  |
| 52.5° | 856.4  | 861.4  | 864.6  | 873.3  | 878.7  | 883.0  | 888.3  | 890.3  | 889.3  | 888.9  | 882.8  |
| 55°   | 942.4  | 954.4  | 972.9  | 984.9  | 998.0  | 1005.7 | 1011.8 | 1014.9 | 1012.6 | 1013.8 | 1001.1 |
| 57.5° | 1104.3 | 1132.5 | 1148.6 | 1169.1 | 1192.3 | 1201.9 | 1204.5 | 1215.4 | 1203.4 | 1191.4 | 1181.8 |
| 60°   | 1345.0 | 1370.9 | 1400.3 | 1421.3 | 1429.1 | 1455.8 | 1443.2 | 1429.1 | 1416.3 | 1391.5 | 1363.5 |
| 62.5° | 1562.2 | 1595.7 | 1610.7 | 1630.4 | 1625.1 | 1622.8 | 1614.5 | 1592.0 | 1564.6 | 1527.7 | 1490.3 |
| 65°   | 1669.4 | 1688.2 | 1697.5 | 1703.9 | 1697.9 | 1682.5 | 1654.9 | 1621.7 | 1582.4 | 1534.6 | 1485.6 |
| 67°   | 1673.7 | 1682.3 | 1685.4 | 1679.3 | 1665.9 | 1641.8 | 1607.0 | 1560.0 | 1511.6 | 1456.9 | 1401.7 |
| 67.5° | 1666.6 | 1672.3 | 1673.8 | 1664.2 | 1648.3 | 1622.3 | 1585.1 | 1534.9 | 1483.5 | 1426.6 | 1371.2 |
| 70°   | 1569.6 | 1565.4 | 1551.9 | 1538.7 | 1489.1 | 1454.1 | 1389.3 | 1335.8 | 1264.4 | 1212.2 | 1153.0 |
| 72.5° | 1275.2 | 1256.1 | 1243.0 | 1184.5 | 1124.5 | 1089.8 | 1020.2 | 956.2  | 891.1  | 841.4  | 805.0  |
| 75°   | 715.8  | 701.9  | 665.5  | 634.6  | 585.1  | 539.8  | 507.4  | 466.7  | 427.7  | 404.5  | 387.5  |
| 77.5° | 323.4  | 283.6  | 256.1  | 221.4  | 178.9  | 143.8  | 106.7  | 98.7   | 84.2   | 80.5   | 72.6   |
| 80°   | 252.4  | 223.8  | 187.8  | 148.1  | 104.5  | 70.2   | 51.6   | 43.8   | 41.1   | 39.4   | 38.6   |
| 82.5° | 210.6  | 173.5  | 146.0  | 103.7  | 66.3   | 44.6   | 33.6   | 30.4   | 28.4   | 27.0   | 25.8   |
| 85°   | 90.0   | 71.2   | 58.7   | 41.9   | 29.8   | 23.5   | 20.6   | 18.8   | 17.0   | 15.5   | 14.5   |
| 87.5° | 21.0   | 16.2   | 14.8   | 12.5   | 11.8   | 11.7   | 11.6   | 11.0   | 10.3   | 9.5    | 8.5    |
| 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):**

|       | 86°    | 87°    | 88°    | 89°    | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0  | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 |
| 2.5°  | 221.4  | 221.3  | 221.0  | 220.6  | 220.6  | 220.0  | 218.2 | 217.0 | 215.6 | 214.7 | 213.9 |
| 5°    | 225.2  | 225.0  | 224.3  | 223.9  | 223.7  | 222.5  | 219.5 | 217.1 | 214.6 | 212.8 | 211.4 |
| 7.5°  | 231.5  | 231.0  | 230.5  | 230.2  | 229.4  | 228.0  | 223.5 | 220.2 | 216.5 | 213.6 | 211.3 |
| 10°   | 241.6  | 240.9  | 240.1  | 239.3  | 239.5  | 237.3  | 232.2 | 227.3 | 222.0 | 217.4 | 214.2 |
| 12.5° | 254.0  | 254.0  | 253.6  | 253.1  | 252.1  | 249.6  | 242.6 | 236.9 | 230.5 | 224.8 | 222.4 |
| 15°   | 267.1  | 266.4  | 265.7  | 264.9  | 264.8  | 261.4  | 255.1 | 248.6 | 241.9 | 237.0 | 234.2 |
| 17.5° | 277.9  | 278.1  | 277.2  | 276.9  | 276.6  | 273.3  | 266.6 | 260.7 | 255.8 | 250.7 | 246.2 |
| 20°   | 289.3  | 288.7  | 288.4  | 288.0  | 287.9  | 285.1  | 279.8 | 276.2 | 271.9 | 264.1 | 252.4 |
| 22.5° | 301.5  | 300.9  | 301.1  | 300.3  | 300.2  | 298.2  | 294.3 | 293.2 | 286.8 | 270.3 | 250.0 |
| 25°   | 317.4  | 316.2  | 316.6  | 316.6  | 316.7  | 314.9  | 314.5 | 312.6 | 296.4 | 268.8 | 240.5 |
| 27.5° | 336.4  | 336.9  | 336.9  | 336.8  | 335.8  | 336.4  | 338.3 | 331.6 | 299.7 | 260.7 | 226.3 |
| 30°   | 361.0  | 361.3  | 361.6  | 362.6  | 360.5  | 364.1  | 366.5 | 345.2 | 297.2 | 249.6 | 208.5 |
| 32.5° | 391.0  | 389.9  | 390.5  | 391.0  | 391.7  | 395.5  | 394.1 | 352.0 | 289.8 | 234.4 | 186.3 |
| 35°   | 424.0  | 426.1  | 426.7  | 427.9  | 429.3  | 435.0  | 419.0 | 353.4 | 278.6 | 214.0 | 158.0 |
| 37.5° | 473.2  | 476.6  | 476.6  | 481.0  | 478.4  | 485.3  | 441.3 | 350.0 | 261.4 | 185.7 | 126.1 |
| 40°   | 535.2  | 536.8  | 538.3  | 538.9  | 537.5  | 536.6  | 455.9 | 341.8 | 237.3 | 150.2 | 92.2  |
| 42.5° | 598.5  | 597.9  | 598.1  | 599.1  | 595.3  | 579.5  | 465.0 | 327.5 | 207.3 | 112.2 | 66.2  |
| 45°   | 666.6  | 664.3  | 663.6  | 661.6  | 658.3  | 625.1  | 470.2 | 307.3 | 167.9 | 78.9  | 52.0  |
| 47.5° | 733.0  | 730.0  | 725.6  | 720.1  | 713.7  | 661.8  | 469.6 | 281.1 | 128.8 | 56.4  | 45.8  |
| 50°   | 801.0  | 795.8  | 786.2  | 780.9  | 770.0  | 698.1  | 466.4 | 251.9 | 92.7  | 46.7  | 42.9  |
| 52.5° | 878.7  | 869.5  | 860.6  | 850.0  | 832.0  | 742.9  | 461.5 | 219.2 | 67.6  | 42.8  | 41.0  |
| 55°   | 994.7  | 979.6  | 965.0  | 943.0  | 925.5  | 802.8  | 453.3 | 183.9 | 53.4  | 41.2  | 39.9  |
| 57.5° | 1154.5 | 1128.9 | 1110.3 | 1080.6 | 1052.8 | 885.7  | 444.5 | 151.9 | 47.7  | 40.8  | 39.3  |
| 60°   | 1334.4 | 1295.8 | 1261.2 | 1224.7 | 1193.0 | 989.2  | 439.9 | 126.8 | 46.4  | 41.2  | 39.4  |
| 62.5° | 1447.3 | 1401.7 | 1358.5 | 1313.9 | 1268.2 | 1038.7 | 420.0 | 109.5 | 47.0  | 43.1  | 40.6  |
| 65°   | 1433.0 | 1382.7 | 1335.8 | 1281.4 | 1238.4 | 992.0  | 369.3 | 92.7  | 47.9  | 46.3  | 43.6  |
| 67°   | 1337.2 | 1288.4 | 1234.9 | 1181.7 | 1139.9 | 903.2  | 311.7 | 78.0  | 49.1  | 49.9  | 47.0  |
| 67.5° | 1311.5 | 1256.6 | 1202.7 | 1153.8 | 1108.5 | 875.8  | 296.7 | 74.4  | 49.3  | 50.9  | 48.1  |
| 70°   | 1093.7 | 1050.3 | 987.1  | 950.9  | 918.2  | 710.0  | 221.3 | 57.8  | 50.2  | 55.2  | 53.4  |
| 72.5° | 765.3  | 723.2  | 690.2  | 670.4  | 651.3  | 515.9  | 155.7 | 46.1  | 48.9  | 57.6  | 55.7  |
| 75°   | 386.5  | 376.9  | 365.4  | 359.0  | 359.2  | 299.9  | 93.8  | 39.3  | 46.0  | 55.2  | 50.6  |
| 77.5° | 76.4   | 74.4   | 75.2   | 82.4   | 81.1   | 92.4   | 46.5  | 33.3  | 39.2  | 42.5  | 36.4  |
| 80°   | 36.9   | 35.7   | 34.6   | 34.3   | 33.6   | 32.2   | 29.3  | 27.7  | 31.8  | 28.0  | 24.1  |
| 82.5° | 24.0   | 22.6   | 22.0   | 20.9   | 21.0   | 22.9   | 25.5  | 26.6  | 25.8  | 19.4  | 16.3  |
| 85°   | 13.5   | 13.4   | 13.1   | 13.4   | 13.9   | 18.3   | 27.3  | 24.9  | 20.8  | 13.7  | 12.3  |
| 87.5° | 8.1    | 7.7    | 7.8    | 7.9    | 8.2    | 13.5   | 21.6  | 18.0  | 13.2  | 7.1   | 7.2   |
| 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°    | 220.0 | 220.0 | 220.0 | 220.0 |
| 2.5°  | 213.8 | 213.2 | 213.2 | 213.1 |
| 5°    | 210.3 | 209.4 | 209.3 | 209.3 |
| 7.5°  | 209.7 | 208.6 | 208.5 | 208.0 |
| 10°   | 212.2 | 211.8 | 211.9 | 211.5 |
| 12.5° | 220.2 | 220.7 | 221.3 | 221.3 |
| 15°   | 232.3 | 231.9 | 232.6 | 231.9 |
| 17.5° | 241.2 | 237.6 | 236.8 | 236.3 |
| 20°   | 241.5 | 234.0 | 231.5 | 231.0 |
| 22.5° | 232.8 | 221.7 | 217.5 | 216.8 |
| 25°   | 218.2 | 204.1 | 198.8 | 198.3 |
| 27.5° | 199.8 | 184.1 | 176.3 | 176.0 |
| 30°   | 177.7 | 159.0 | 149.1 | 147.6 |
| 32.5° | 150.6 | 128.5 | 118.0 | 114.7 |
| 35°   | 119.4 | 96.7  | 87.0  | 86.7  |
| 37.5° | 89.2  | 71.5  | 65.2  | 64.9  |
| 40°   | 65.4  | 56.2  | 53.8  | 53.4  |
| 42.5° | 53.4  | 49.6  | 48.6  | 48.2  |
| 45°   | 47.8  | 46.3  | 45.7  | 45.3  |
| 47.5° | 44.5  | 43.5  | 43.1  | 43.1  |
| 50°   | 41.8  | 41.5  | 41.2  | 41.2  |
| 52.5° | 40.0  | 39.9  | 39.6  | 39.4  |
| 55°   | 38.5  | 37.9  | 38.0  | 37.9  |
| 57.5° | 37.5  | 36.6  | 36.6  | 36.6  |
| 60°   | 36.9  | 35.4  | 35.4  | 35.5  |
| 62.5° | 37.1  | 34.7  | 34.6  | 34.6  |
| 65°   | 38.2  | 34.3  | 33.4  | 33.6  |
| 67°   | 39.6  | 33.9  | 32.2  | 32.0  |
| 67.5° | 40.0  | 33.6  | 31.8  | 31.6  |
| 70°   | 41.7  | 32.7  | 29.7  | 29.4  |
| 72.5° | 41.9  | 31.5  | 27.6  | 27.3  |
| 75°   | 39.0  | 29.8  | 25.9  | 25.2  |
| 77.5° | 30.4  | 25.6  | 23.4  | 23.4  |
| 80°   | 21.3  | 19.6  | 16.7  | 16.6  |
| 82.5° | 15.6  | 14.8  | 12.3  | 12.0  |
| 85°   | 11.4  | 10.7  | 9.1   | 9.1   |
| 87.5° | 7.1   | 6.8   | 5.9   | 5.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)