

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: P181337

Luminaire Tested: **ICM-E03-LED-E1-T3-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181337  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E03-LED-E1-T3-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3840 lumens  
Efficiency: N/A  
Efficacy: 51.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

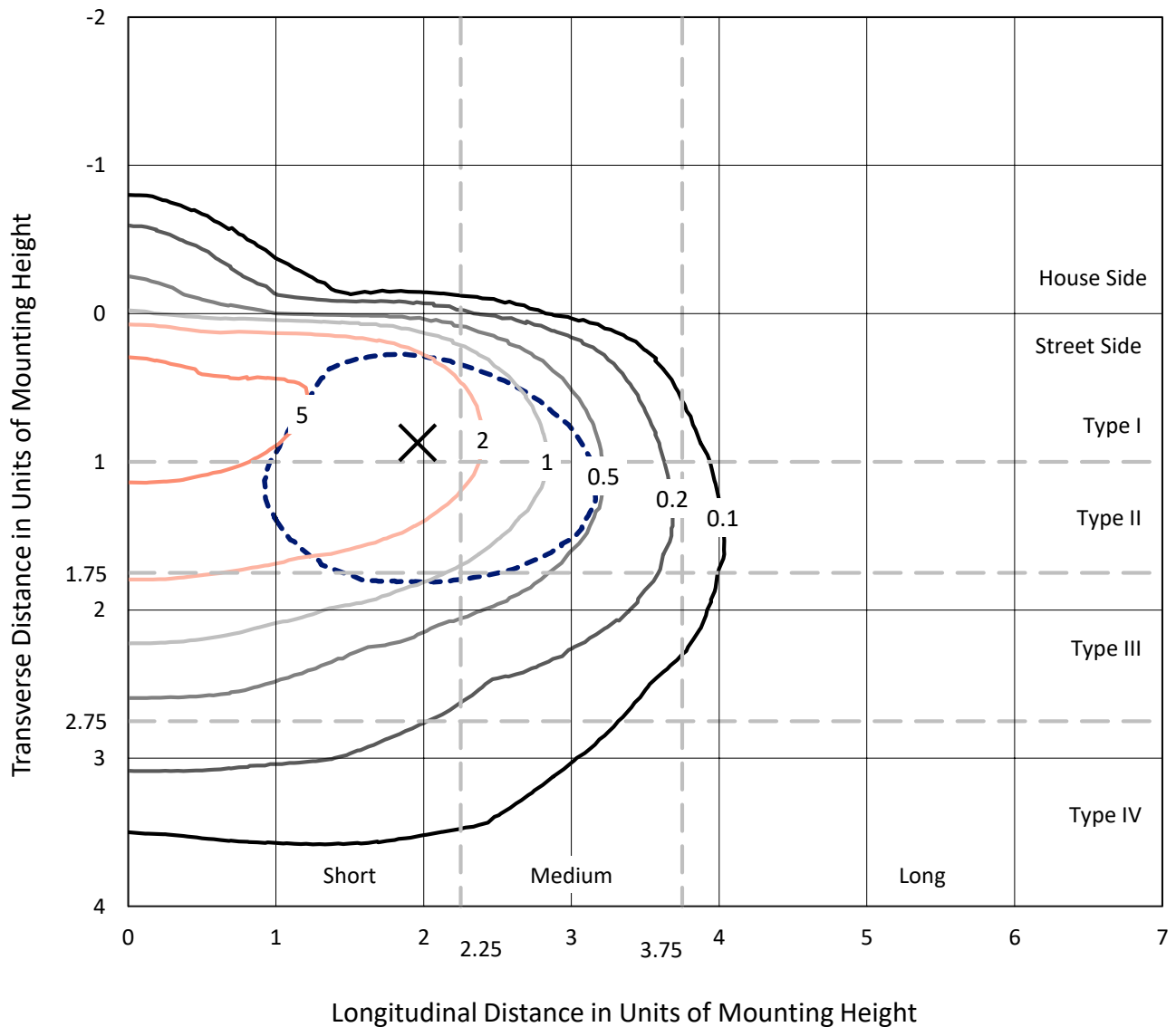
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

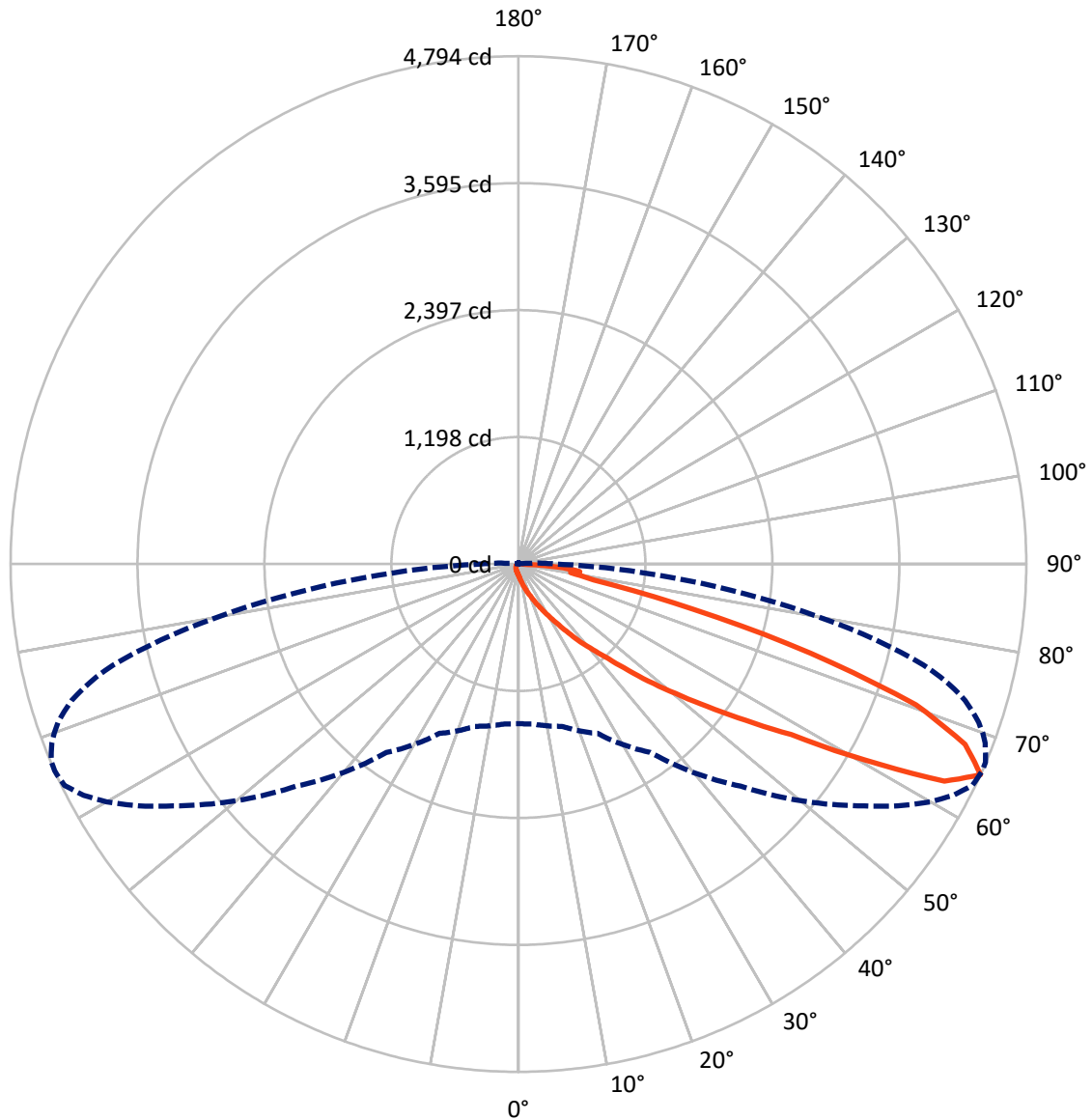
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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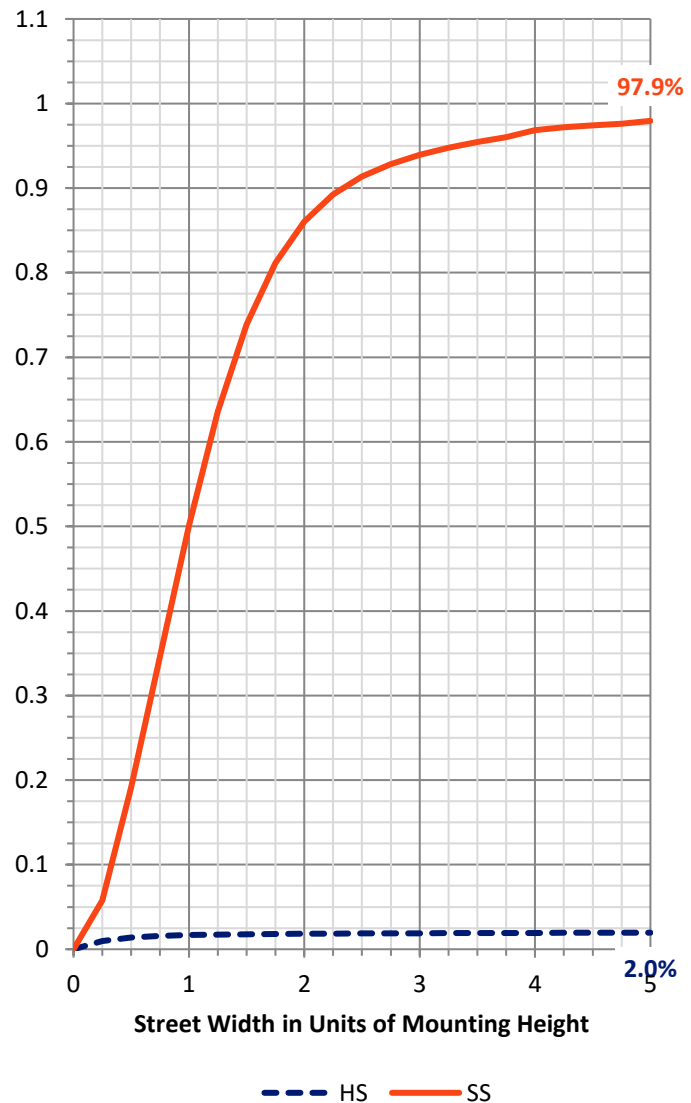
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 77.1     | 0.0    | 77.1   |
|                    | % Fixture | 2.0      | 0.0    | 2.0    |
| <b>Street Side</b> | Lumens    | 3762.8   | 0.0    | 3762.8 |
|                    | % Fixture | 98.0     | 0.0    | 98.0   |
| <b>Total</b>       | Lumens    | 3840.0   | 0.0    | 3840.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 13.1   | 0.3       |
| 10°-20°   | 62.4   | 1.6       |
| 20°-30°   | 142.6  | 3.7       |
| 30°-40°   | 271.4  | 7.1       |
| 40°-50°   | 544.6  | 14.2      |
| 50°-60°   | 963.7  | 25.1      |
| 60°-70°   | 1259.2 | 32.8      |
| 70°-80°   | 517.7  | 13.5      |
| 80°-90°   | 65.2   | 1.7       |
| 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°    | 3840.0 | 100.0     |
| 0°-180°   | 3840.0 | 100.0     |



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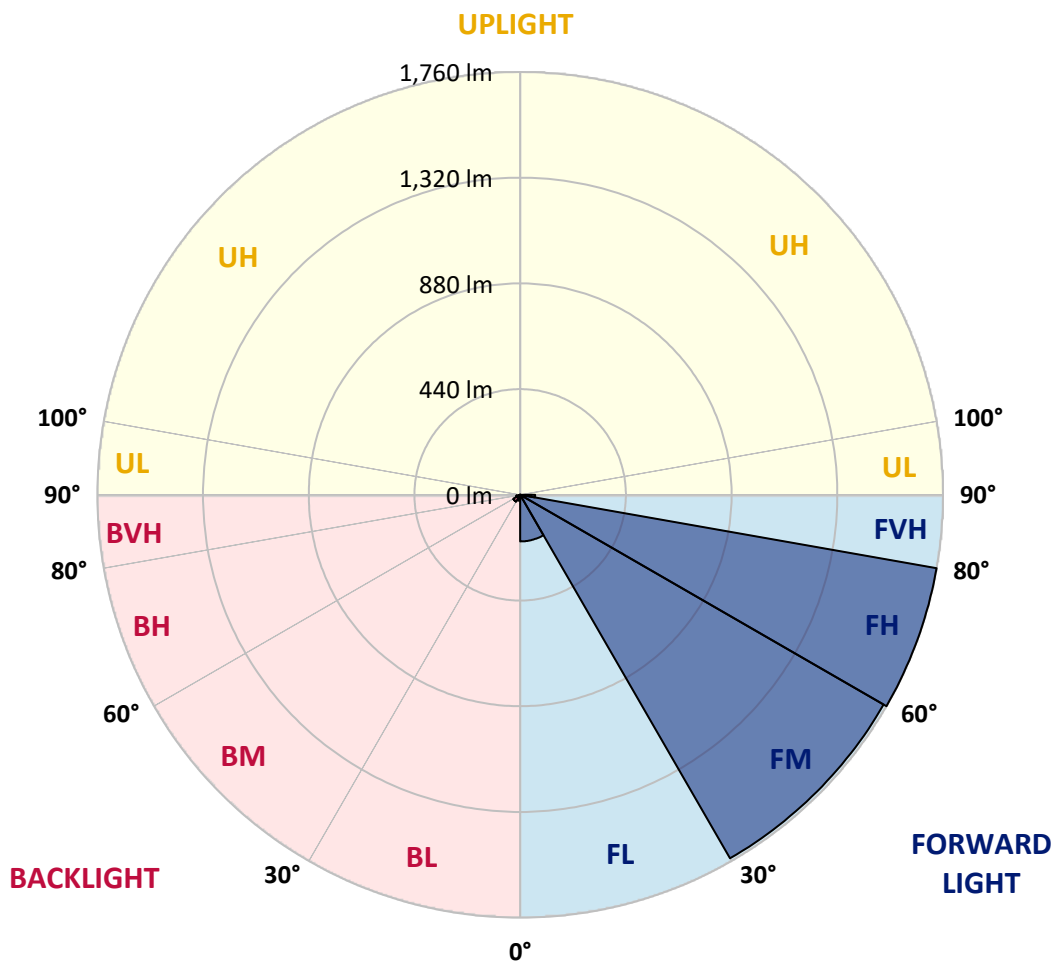
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 194.0  | 5.1       |                         |      |         |
| FM   | (30°-60°)   | 1746.7 | 45.5      |                         |      |         |
| FH   | (60°-80°)   | 1759.8 | 45.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 62.3   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 24.1   | 0.6       | B0/110                  |      |         |
| BM   | (30°-60°)   | 33.0   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 17.1   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 2.9    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  |
| 2.5°  | 141.3  | 139.0  | 139.7  | 135.1  | 131.9  | 128.0  | 124.8  | 124.1  | 123.3  | 121.7  | 122.5  |
| 5°    | 203.4  | 201.0  | 195.5  | 186.0  | 177.4  | 164.1  | 150.7  | 150.0  | 147.6  | 145.2  | 143.7  |
| 7.5°  | 282.6  | 278.7  | 272.5  | 256.7  | 235.5  | 212.0  | 185.3  | 182.9  | 179.8  | 176.7  | 173.5  |
| 10°   | 374.5  | 372.2  | 360.4  | 342.3  | 310.1  | 271.6  | 226.9  | 224.6  | 217.5  | 213.6  | 210.4  |
| 12.5° | 471.1  | 460.8  | 456.2  | 424.7  | 387.8  | 335.3  | 278.0  | 269.3  | 263.8  | 258.3  | 250.4  |
| 15°   | 544.1  | 545.7  | 534.7  | 509.6  | 466.3  | 405.1  | 333.7  | 324.3  | 316.4  | 306.2  | 296.7  |
| 17.5° | 610.1  | 606.9  | 595.1  | 579.4  | 538.6  | 476.6  | 393.3  | 380.7  | 368.2  | 362.7  | 349.4  |
| 20°   | 663.4  | 661.9  | 652.5  | 637.5  | 606.1  | 546.4  | 456.2  | 446.0  | 431.8  | 422.4  | 407.4  |
| 22.5° | 705.8  | 705.8  | 700.3  | 691.7  | 661.0  | 613.2  | 522.9  | 511.9  | 497.8  | 486.0  | 469.5  |
| 25°   | 739.5  | 738.8  | 739.5  | 735.6  | 715.3  | 671.3  | 591.2  | 578.6  | 566.9  | 552.7  | 537.0  |
| 27.5° | 778.1  | 779.6  | 778.1  | 775.7  | 767.1  | 731.7  | 660.3  | 651.6  | 638.3  | 623.4  | 607.6  |
| 30°   | 837.7  | 833.0  | 832.2  | 830.6  | 820.5  | 798.4  | 731.7  | 721.5  | 711.4  | 701.1  | 690.1  |
| 32.5° | 900.6  | 892.7  | 890.3  | 890.3  | 883.3  | 863.6  | 814.1  | 808.7  | 793.8  | 785.9  | 776.5  |
| 35°   | 972.0  | 968.8  | 965.7  | 966.5  | 963.4  | 942.9  | 902.1  | 903.6  | 899.0  | 883.3  | 873.9  |
| 37.5° | 1076.4 | 1077.2 | 1071.6 | 1061.5 | 1061.5 | 1043.4 | 1019.8 | 1016.8 | 1004.9 | 1001.0 | 995.5  |
| 40°   | 1225.6 | 1221.6 | 1216.9 | 1202.1 | 1196.5 | 1165.9 | 1143.9 | 1136.1 | 1126.6 | 1125.9 | 1119.5 |
| 42.5° | 1398.2 | 1393.6 | 1393.6 | 1382.6 | 1371.6 | 1334.7 | 1293.1 | 1287.5 | 1277.4 | 1280.5 | 1278.1 |
| 45°   | 1558.4 | 1562.3 | 1567.8 | 1575.7 | 1577.3 | 1561.6 | 1501.1 | 1494.1 | 1488.6 | 1485.4 | 1483.1 |
| 47.5° | 1696.7 | 1703.7 | 1721.8 | 1755.5 | 1798.7 | 1804.2 | 1756.3 | 1737.5 | 1733.5 | 1728.0 | 1723.4 |
| 50°   | 1795.5 | 1805.8 | 1846.6 | 1912.6 | 1996.6 | 2048.4 | 2022.4 | 2006.7 | 2006.0 | 1991.1 | 1989.5 |
| 52.5° | 1852.1 | 1863.1 | 1929.8 | 2029.5 | 2159.8 | 2261.1 | 2293.3 | 2292.6 | 2291.0 | 2277.6 | 2272.1 |
| 55°   | 1864.7 | 1876.4 | 1956.5 | 2092.3 | 2278.4 | 2453.5 | 2576.8 | 2579.9 | 2587.0 | 2583.0 | 2583.0 |
| 57.5° | 1830.1 | 1845.0 | 1932.2 | 2100.2 | 2340.4 | 2605.8 | 2875.1 | 2893.1 | 2901.8 | 2932.4 | 2967.7 |
| 60°   | 1766.5 | 1777.5 | 1864.7 | 2052.3 | 2351.5 | 2744.8 | 3262.9 | 3320.2 | 3365.0 | 3425.4 | 3482.7 |
| 62.5° | 1648.8 | 1670.7 | 1754.0 | 1958.1 | 2318.4 | 2904.9 | 3726.2 | 3832.1 | 3919.3 | 4011.1 | 4121.9 |
| 65°   | 1505.9 | 1515.3 | 1586.0 | 1764.1 | 2170.8 | 2966.2 | 3982.1 | 4085.7 | 4197.2 | 4295.4 | 4394.3 |
| 67.5° | 1326.8 | 1334.7 | 1395.9 | 1472.1 | 1791.6 | 2679.6 | 3730.1 | 3844.7 | 3945.2 | 4026.1 | 4155.6 |
| 70°   | 869.1  | 886.4  | 1036.4 | 1111.7 | 1252.3 | 1980.8 | 3050.2 | 3160.9 | 3237.8 | 3292.8 | 3442.7 |
| 72.5° | 636.7  | 647.7  | 708.2  | 863.6  | 898.1  | 1170.6 | 2146.5 | 2266.6 | 2294.9 | 2398.5 | 2468.4 |
| 75°   | 388.7  | 416.1  | 552.7  | 739.5  | 875.4  | 801.6  | 1286.1 | 1344.1 | 1409.3 | 1484.7 | 1551.4 |
| 77.5° | 78.5   | 89.5   | 180.6  | 509.6  | 770.2  | 856.6  | 767.8  | 778.8  | 811.0  | 818.1  | 843.2  |
| 80°   | 12.6   | 13.3   | 23.5   | 219.8  | 446.0  | 692.5  | 767.8  | 757.7  | 739.5  | 727.0  | 714.4  |
| 82.5° | 5.5    | 6.3    | 10.2   | 55.7   | 95.0   | 230.8  | 664.2  | 716.0  | 775.7  | 808.7  | 817.3  |
| 85°   | 2.3    | 2.3    | 3.9    | 11.0   | 14.1   | 15.7   | 112.3  | 148.4  | 264.6  | 351.7  | 405.1  |
| 87.5° | 1.6    | 1.6    | 2.3    | 2.3    | 3.2    | 3.9    | 5.5    | 5.5    | 6.3    | 7.1    | 10.2   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  |
| 2.5°  | 122.5  | 121.7  | 121.7  | 119.3  | 119.3  | 118.5  | 118.5  | 117.8  | 117.8  | 116.2  | 117.0  |
| 5°    | 142.9  | 141.3  | 139.7  | 137.4  | 136.7  | 135.1  | 133.5  | 131.1  | 130.3  | 128.7  | 128.0  |
| 7.5°  | 170.3  | 168.8  | 165.7  | 160.9  | 157.8  | 154.7  | 151.5  | 148.4  | 146.0  | 143.7  | 142.1  |
| 10°   | 204.1  | 199.4  | 197.9  | 188.5  | 184.5  | 178.2  | 174.3  | 171.2  | 166.4  | 162.5  | 160.2  |
| 12.5° | 244.9  | 241.0  | 233.2  | 220.7  | 214.3  | 208.8  | 201.8  | 195.5  | 190.8  | 183.7  | 179.0  |
| 15°   | 287.4  | 284.2  | 273.2  | 259.1  | 251.3  | 241.0  | 234.0  | 227.7  | 217.5  | 212.7  | 204.1  |
| 17.5° | 340.7  | 331.4  | 320.3  | 299.9  | 289.7  | 281.0  | 268.5  | 259.1  | 252.8  | 238.7  | 230.8  |
| 20°   | 395.7  | 385.5  | 371.4  | 348.6  | 334.4  | 321.1  | 310.9  | 298.3  | 285.0  | 275.5  | 262.2  |
| 22.5° | 458.5  | 442.0  | 431.1  | 402.8  | 386.2  | 372.2  | 354.9  | 341.5  | 328.2  | 313.3  | 298.3  |
| 25°   | 525.2  | 508.7  | 495.4  | 463.3  | 446.0  | 431.8  | 411.4  | 392.6  | 376.1  | 359.5  | 342.3  |
| 27.5° | 595.1  | 580.2  | 565.3  | 532.3  | 517.4  | 497.8  | 478.9  | 456.9  | 435.7  | 420.8  | 397.3  |
| 30°   | 676.0  | 663.4  | 646.9  | 611.6  | 595.1  | 574.7  | 555.1  | 529.1  | 508.7  | 488.4  | 465.6  |
| 32.5° | 763.2  | 752.9  | 735.6  | 704.3  | 684.7  | 667.4  | 646.1  | 621.0  | 592.0  | 570.8  | 544.1  |
| 35°   | 869.1  | 851.8  | 841.7  | 811.8  | 796.9  | 778.1  | 756.1  | 734.1  | 703.4  | 673.6  | 650.9  |
| 37.5° | 990.1  | 982.1  | 968.8  | 940.6  | 929.6  | 910.0  | 895.8  | 873.9  | 850.2  | 812.6  | 788.3  |
| 40°   | 1114.1 | 1108.6 | 1096.8 | 1068.6 | 1057.6 | 1044.2 | 1027.7 | 1006.5 | 978.2  | 958.6  | 922.5  |
| 42.5° | 1271.9 | 1263.3 | 1253.9 | 1227.2 | 1206.0 | 1189.4 | 1182.4 | 1164.3 | 1134.5 | 1109.4 | 1081.1 |
| 45°   | 1472.1 | 1468.2 | 1455.6 | 1428.9 | 1407.7 | 1396.8 | 1385.7 | 1355.1 | 1335.5 | 1310.3 | 1290.7 |
| 47.5° | 1713.9 | 1701.3 | 1695.1 | 1665.2 | 1658.1 | 1649.5 | 1621.2 | 1604.0 | 1575.7 | 1556.1 | 1531.7 |
| 50°   | 1975.4 | 1962.0 | 1962.8 | 1926.7 | 1928.2 | 1922.0 | 1900.8 | 1880.4 | 1856.0 | 1838.7 | 1823.8 |
| 52.5° | 2256.4 | 2262.7 | 2247.0 | 2258.0 | 2245.4 | 2231.3 | 2227.4 | 2202.2 | 2181.0 | 2180.3 | 2159.8 |
| 55°   | 2601.9 | 2591.6 | 2595.6 | 2606.5 | 2589.3 | 2605.0 | 2597.1 | 2564.9 | 2565.8 | 2572.0 | 2548.5 |
| 57.5° | 2973.2 | 2988.1 | 3020.3 | 3027.4 | 3057.2 | 3036.9 | 3090.2 | 3051.7 | 3075.3 | 3075.3 | 3059.6 |
| 60°   | 3518.1 | 3577.8 | 3655.5 | 3715.9 | 3771.7 | 3753.6 | 3823.5 | 3779.6 | 3810.9 | 3784.2 | 3770.9 |
| 62.5° | 4174.4 | 4253.7 | 4345.6 | 4443.7 | 4500.3 | 4514.4 | 4504.2 | 4523.8 | 4493.2 | 4473.6 | 4422.5 |
| 65°   | 4490.1 | 4568.6 | 4648.7 | 4766.4 | 4782.1 | 4793.9 | 4789.1 | 4756.2 | 4718.5 | 4662.8 | 4596.0 |
| 67.5° | 4227.8 | 4337.7 | 4382.5 | 4518.4 | 4563.8 | 4547.4 | 4552.9 | 4510.4 | 4451.6 | 4396.6 | 4298.5 |
| 70°   | 3505.5 | 3631.2 | 3654.7 | 3849.4 | 3903.6 | 3982.1 | 3953.8 | 3941.2 | 3876.9 | 3830.5 | 3722.3 |
| 72.5° | 2552.4 | 2650.5 | 2642.7 | 2861.7 | 2852.3 | 2884.5 | 2960.7 | 2957.5 | 2890.0 | 2875.1 | 2784.0 |
| 75°   | 1571.0 | 1629.9 | 1626.7 | 1782.2 | 1717.0 | 1707.6 | 1728.8 | 1719.4 | 1655.8 | 1589.9 | 1533.3 |
| 77.5° | 832.2  | 858.9  | 830.6  | 784.3  | 779.6  | 727.0  | 712.1  | 711.4  | 662.6  | 603.0  | 559.0  |
| 80°   | 701.1  | 673.6  | 640.7  | 573.1  | 533.9  | 498.5  | 465.6  | 435.0  | 402.0  | 358.0  | 304.7  |
| 82.5° | 818.9  | 805.5  | 782.0  | 697.2  | 656.4  | 585.7  | 533.1  | 483.6  | 423.2  | 377.7  | 309.3  |
| 85°   | 398.8  | 398.0  | 416.9  | 408.3  | 393.3  | 390.2  | 338.4  | 327.4  | 303.1  | 278.0  | 232.4  |
| 87.5° | 11.0   | 7.8    | 9.4    | 7.8    | 9.4    | 10.2   | 7.1    | 16.5   | 10.2   | 9.4    | 11.0   |
| 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):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  | 106.8  |
| 2.5°  | 116.2  | 115.4  | 114.6  | 114.6  | 113.9  | 113.9  | 113.0  | 112.3  | 112.3  | 111.4  | 111.4  |
| 5°    | 126.4  | 124.8  | 124.1  | 123.3  | 121.7  | 120.9  | 119.3  | 118.5  | 117.0  | 116.2  | 114.6  |
| 7.5°  | 139.0  | 137.4  | 134.2  | 132.7  | 130.3  | 129.6  | 125.6  | 124.1  | 122.5  | 120.9  | 118.5  |
| 10°   | 154.7  | 150.7  | 147.6  | 144.5  | 140.6  | 137.4  | 134.2  | 131.9  | 128.7  | 124.8  | 123.3  |
| 12.5° | 174.3  | 168.8  | 164.1  | 158.6  | 153.9  | 149.2  | 143.7  | 139.7  | 135.1  | 131.1  | 127.2  |
| 15°   | 196.3  | 188.5  | 182.1  | 174.3  | 166.4  | 160.9  | 155.4  | 150.0  | 143.7  | 138.1  | 133.5  |
| 17.5° | 221.4  | 211.2  | 202.5  | 193.1  | 184.5  | 176.7  | 167.3  | 160.2  | 153.1  | 145.2  | 139.0  |
| 20°   | 248.1  | 237.9  | 226.1  | 215.9  | 203.4  | 194.7  | 182.9  | 173.5  | 163.3  | 155.4  | 146.8  |
| 22.5° | 283.4  | 270.0  | 255.2  | 241.0  | 227.7  | 214.3  | 201.8  | 190.0  | 177.4  | 165.7  | 157.0  |
| 25°   | 325.0  | 308.6  | 289.7  | 275.5  | 256.7  | 241.8  | 226.1  | 211.2  | 197.9  | 182.9  | 168.8  |
| 27.5° | 376.8  | 354.9  | 334.4  | 314.8  | 294.4  | 275.5  | 255.2  | 237.9  | 219.8  | 202.5  | 186.9  |
| 30°   | 437.3  | 416.1  | 385.5  | 363.5  | 343.1  | 317.2  | 296.7  | 274.0  | 253.6  | 228.5  | 211.2  |
| 32.5° | 517.4  | 490.0  | 457.7  | 428.7  | 402.0  | 372.9  | 344.7  | 315.6  | 288.9  | 266.1  | 240.3  |
| 35°   | 621.8  | 589.6  | 551.2  | 514.2  | 484.4  | 449.1  | 412.9  | 380.0  | 349.4  | 316.4  | 284.2  |
| 37.5° | 753.7  | 723.9  | 682.2  | 637.5  | 597.5  | 555.1  | 517.4  | 471.1  | 430.2  | 390.2  | 349.4  |
| 40°   | 884.8  | 857.3  | 814.1  | 766.2  | 714.4  | 665.8  | 617.9  | 565.3  | 513.5  | 463.3  | 420.8  |
| 42.5° | 1046.5 | 1005.8 | 959.4  | 905.2  | 855.0  | 796.9  | 737.2  | 676.7  | 614.7  | 554.3  | 493.9  |
| 45°   | 1249.9 | 1218.5 | 1153.3 | 1095.3 | 1035.5 | 967.3  | 893.5  | 824.4  | 745.0  | 673.6  | 593.6  |
| 47.5° | 1497.2 | 1440.7 | 1392.8 | 1339.4 | 1264.8 | 1198.9 | 1104.7 | 1023.0 | 924.1  | 829.1  | 733.3  |
| 50°   | 1789.3 | 1757.9 | 1694.2 | 1627.5 | 1546.7 | 1468.2 | 1376.3 | 1258.5 | 1140.0 | 1038.7 | 907.6  |
| 52.5° | 2130.8 | 2086.1 | 2046.0 | 1976.9 | 1894.5 | 1794.0 | 1689.6 | 1561.6 | 1416.4 | 1273.5 | 1133.7 |
| 55°   | 2535.9 | 2504.5 | 2466.1 | 2411.1 | 2305.9 | 2192.0 | 2066.4 | 1913.3 | 1741.4 | 1549.0 | 1386.5 |
| 57.5° | 3058.8 | 3025.8 | 2988.9 | 2875.8 | 2804.4 | 2664.7 | 2482.5 | 2323.9 | 2138.6 | 1892.1 | 1690.3 |
| 60°   | 3772.5 | 3727.7 | 3675.9 | 3584.0 | 3434.9 | 3253.5 | 3058.0 | 2823.3 | 2596.4 | 2327.1 | 2062.5 |
| 62.5° | 4382.5 | 4311.1 | 4200.4 | 4081.8 | 3902.8 | 3694.7 | 3449.0 | 3172.7 | 2914.3 | 2611.3 | 2316.9 |
| 65°   | 4508.1 | 4410.0 | 4279.7 | 4125.0 | 3940.5 | 3705.7 | 3449.0 | 3184.4 | 2880.6 | 2595.6 | 2299.5 |
| 67.5° | 4181.5 | 4067.7 | 3934.2 | 3761.5 | 3585.6 | 3343.8 | 3122.4 | 2853.1 | 2567.4 | 2320.8 | 2056.2 |
| 70°   | 3644.5 | 3475.6 | 3339.1 | 3155.4 | 2977.1 | 2787.2 | 2554.0 | 2352.2 | 2119.8 | 1892.9 | 1690.3 |
| 72.5° | 2736.9 | 2570.4 | 2446.4 | 2299.5 | 2193.6 | 1992.6 | 1821.5 | 1670.7 | 1533.3 | 1363.7 | 1213.8 |
| 75°   | 1475.3 | 1350.4 | 1267.2 | 1200.5 | 1105.4 | 972.8  | 891.1  | 787.4  | 729.4  | 658.7  | 590.4  |
| 77.5° | 481.3  | 424.0  | 362.0  | 301.5  | 259.1  | 194.7  | 188.5  | 150.0  | 141.3  | 137.4  | 106.0  |
| 80°   | 246.5  | 190.0  | 137.4  | 98.9   | 75.3   | 66.7   | 63.6   | 60.5   | 57.3   | 55.0   | 51.1   |
| 82.5° | 247.4  | 179.0  | 123.3  | 85.6   | 62.0   | 51.8   | 48.7   | 47.1   | 44.7   | 42.4   | 39.3   |
| 85°   | 180.6  | 133.5  | 91.8   | 62.8   | 43.2   | 34.5   | 32.9   | 30.6   | 29.0   | 28.3   | 25.1   |
| 87.5° | 11.8   | 8.7    | 7.8    | 7.1    | 7.1    | 7.1    | 7.8    | 7.1    | 7.8    | 7.8    | 7.1    |
| 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):**

|       | 83°    | 84°    | 85°    | 86°    | 87°   | 88°   | 89°   | 90°   | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 106.8  | 106.8  | 106.8  | 106.8  | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 |
| 2.5°  | 110.7  | 110.0  | 110.0  | 109.1  | 108.4 | 108.4 | 107.5 | 107.5 | 105.2 | 101.3 | 98.1  |
| 5°    | 113.9  | 112.3  | 111.4  | 110.7  | 110.0 | 108.4 | 107.5 | 106.8 | 102.9 | 95.0  | 88.7  |
| 7.5°  | 116.2  | 114.6  | 113.9  | 112.3  | 110.0 | 109.1 | 107.5 | 106.0 | 99.7  | 88.7  | 81.7  |
| 10°   | 120.1  | 117.8  | 115.4  | 113.0  | 110.7 | 109.1 | 106.8 | 105.2 | 95.8  | 83.3  | 76.2  |
| 12.5° | 124.1  | 120.9  | 117.8  | 113.9  | 111.4 | 109.1 | 106.8 | 103.6 | 92.7  | 78.5  | 70.7  |
| 15°   | 128.7  | 124.1  | 120.1  | 116.2  | 112.3 | 109.1 | 105.2 | 102.9 | 89.5  | 74.6  | 67.5  |
| 17.5° | 133.5  | 128.0  | 122.5  | 117.0  | 113.0 | 108.4 | 105.2 | 101.3 | 86.3  | 71.4  | 63.6  |
| 20°   | 139.0  | 131.1  | 125.6  | 119.3  | 113.9 | 108.4 | 103.6 | 99.7  | 83.3  | 67.5  | 59.6  |
| 22.5° | 146.8  | 137.4  | 128.7  | 121.7  | 114.6 | 109.1 | 103.6 | 98.1  | 80.1  | 64.4  | 56.6  |
| 25°   | 157.0  | 145.2  | 135.1  | 126.4  | 117.8 | 110.7 | 104.5 | 98.9  | 77.8  | 62.0  | 52.6  |
| 27.5° | 171.9  | 157.0  | 146.0  | 134.2  | 123.3 | 114.6 | 106.8 | 100.5 | 76.2  | 59.6  | 50.2  |
| 30°   | 190.0  | 175.1  | 157.8  | 143.7  | 131.9 | 120.1 | 111.4 | 102.0 | 74.6  | 57.3  | 47.1  |
| 32.5° | 216.7  | 195.5  | 175.1  | 157.8  | 141.3 | 128.0 | 115.4 | 106.0 | 73.8  | 53.4  | 44.0  |
| 35°   | 255.2  | 226.1  | 201.8  | 179.0  | 156.3 | 139.7 | 124.8 | 112.3 | 73.0  | 50.2  | 40.8  |
| 37.5° | 310.1  | 275.5  | 244.2  | 212.0  | 183.7 | 160.2 | 139.7 | 123.3 | 73.0  | 47.9  | 37.7  |
| 40°   | 369.0  | 324.3  | 284.2  | 244.2  | 208.1 | 178.2 | 150.7 | 130.3 | 71.4  | 44.7  | 34.5  |
| 42.5° | 435.7  | 380.7  | 325.9  | 276.4  | 231.6 | 193.1 | 160.9 | 135.8 | 67.5  | 41.6  | 31.4  |
| 45°   | 525.2  | 453.0  | 387.1  | 323.4  | 265.4 | 215.2 | 174.3 | 142.1 | 63.6  | 39.3  | 28.3  |
| 47.5° | 637.5  | 553.5  | 467.9  | 387.8  | 311.7 | 248.1 | 194.0 | 152.3 | 61.2  | 36.1  | 26.0  |
| 50°   | 804.7  | 685.4  | 572.4  | 470.3  | 373.7 | 290.5 | 223.0 | 167.3 | 58.9  | 33.8  | 23.5  |
| 52.5° | 988.5  | 841.7  | 708.9  | 577.9  | 457.7 | 347.8 | 256.7 | 186.9 | 56.6  | 31.4  | 21.2  |
| 55°   | 1212.2 | 1031.6 | 869.9  | 699.5  | 545.7 | 414.5 | 298.3 | 208.8 | 53.4  | 29.0  | 19.6  |
| 57.5° | 1488.6 | 1260.1 | 1068.6 | 860.5  | 667.4 | 500.9 | 354.0 | 245.8 | 50.2  | 26.0  | 17.3  |
| 60°   | 1797.1 | 1538.8 | 1297.8 | 1053.6 | 819.6 | 615.5 | 436.6 | 298.3 | 47.1  | 22.8  | 14.9  |
| 62.5° | 2019.3 | 1735.9 | 1460.3 | 1186.3 | 929.6 | 701.1 | 503.3 | 339.2 | 42.4  | 19.6  | 13.3  |
| 65°   | 2016.9 | 1729.6 | 1452.5 | 1182.4 | 932.7 | 704.3 | 505.6 | 347.0 | 37.7  | 17.3  | 11.8  |
| 67.5° | 1797.1 | 1555.3 | 1308.0 | 1065.4 | 847.2 | 640.7 | 467.9 | 321.9 | 32.2  | 15.7  | 10.2  |
| 70°   | 1478.3 | 1286.1 | 1090.5 | 898.1  | 723.1 | 548.7 | 404.4 | 280.3 | 27.4  | 14.1  | 8.7   |
| 72.5° | 1079.5 | 939.0  | 819.6  | 683.8  | 564.5 | 433.4 | 322.7 | 219.8 | 22.0  | 11.8  | 7.8   |
| 75°   | 536.2  | 479.7  | 411.4  | 369.0  | 314.8 | 257.5 | 200.2 | 128.0 | 18.0  | 9.4   | 7.1   |
| 77.5° | 102.0  | 91.1   | 87.2   | 75.3   | 69.1  | 61.2  | 54.1  | 38.5  | 14.1  | 7.1   | 6.3   |
| 80°   | 47.1   | 43.2   | 39.3   | 35.3   | 31.4  | 26.7  | 23.5  | 20.4  | 11.0  | 5.5   | 7.1   |
| 82.5° | 36.9   | 33.8   | 29.9   | 26.7   | 23.5  | 20.4  | 17.3  | 14.9  | 7.1   | 4.7   | 7.1   |
| 85°   | 24.4   | 21.2   | 18.9   | 16.5   | 14.1  | 12.6  | 11.0  | 9.4   | 4.7   | 4.7   | 4.7   |
| 87.5° | 7.1    | 7.1    | 6.3    | 6.3    | 5.5   | 5.5   | 4.7   | 4.7   | 3.9   | 3.9   | 3.9   |
| 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):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 |
| 2.5°  | 95.0  | 91.1  | 89.5  | 88.7  | 88.7  | 89.5  | 88.7  |
| 5°    | 84.0  | 80.1  | 78.5  | 76.9  | 76.9  | 76.9  | 77.8  |
| 7.5°  | 76.9  | 73.0  | 70.7  | 69.9  | 69.1  | 69.9  | 69.9  |
| 10°   | 70.7  | 67.5  | 64.4  | 62.8  | 62.8  | 62.8  | 62.8  |
| 12.5° | 66.0  | 62.0  | 58.9  | 58.1  | 57.3  | 57.3  | 57.3  |
| 15°   | 62.0  | 57.3  | 55.0  | 53.4  | 52.6  | 52.6  | 53.4  |
| 17.5° | 57.3  | 53.4  | 50.2  | 49.5  | 49.5  | 49.5  | 49.5  |
| 20°   | 54.1  | 49.5  | 47.1  | 45.6  | 45.6  | 45.6  | 45.6  |
| 22.5° | 50.2  | 46.3  | 43.2  | 41.6  | 41.6  | 41.6  | 41.6  |
| 25°   | 47.1  | 43.2  | 40.0  | 38.5  | 38.5  | 38.5  | 38.5  |
| 27.5° | 44.0  | 40.0  | 36.9  | 35.3  | 35.3  | 35.3  | 35.3  |
| 30°   | 40.8  | 36.9  | 33.8  | 32.2  | 32.2  | 32.2  | 32.2  |
| 32.5° | 38.5  | 33.8  | 30.6  | 29.0  | 29.0  | 29.9  | 29.0  |
| 35°   | 34.5  | 30.6  | 27.4  | 26.0  | 26.0  | 26.0  | 26.0  |
| 37.5° | 31.4  | 27.4  | 24.4  | 22.8  | 22.8  | 22.8  | 22.0  |
| 40°   | 29.0  | 24.4  | 21.2  | 19.6  | 18.9  | 18.9  | 18.9  |
| 42.5° | 25.1  | 20.4  | 18.0  | 16.5  | 15.7  | 15.7  | 15.7  |
| 45°   | 22.8  | 18.0  | 14.9  | 13.3  | 13.3  | 13.3  | 13.3  |
| 47.5° | 20.4  | 15.7  | 12.6  | 11.0  | 11.0  | 11.8  | 11.8  |
| 50°   | 18.0  | 13.3  | 10.2  | 10.2  | 10.2  | 11.0  | 11.0  |
| 52.5° | 15.7  | 11.8  | 9.4   | 9.4   | 10.2  | 11.0  | 11.0  |
| 55°   | 14.1  | 10.2  | 8.7   | 9.4   | 10.2  | 11.0  | 11.0  |
| 57.5° | 12.6  | 8.7   | 8.7   | 9.4   | 10.2  | 11.0  | 11.0  |
| 60°   | 11.0  | 7.8   | 7.8   | 8.7   | 10.2  | 11.0  | 11.0  |
| 62.5° | 9.4   | 7.8   | 7.8   | 8.7   | 10.2  | 11.0  | 11.0  |
| 65°   | 8.7   | 7.8   | 7.8   | 8.7   | 10.2  | 11.0  | 11.0  |
| 67.5° | 7.8   | 7.1   | 7.8   | 8.7   | 9.4   | 10.2  | 10.2  |
| 70°   | 7.1   | 7.1   | 7.8   | 8.7   | 9.4   | 10.2  | 10.2  |
| 72.5° | 7.1   | 7.1   | 7.1   | 7.8   | 8.7   | 9.4   | 9.4   |
| 75°   | 7.1   | 7.1   | 7.1   | 7.8   | 8.7   | 9.4   | 9.4   |
| 77.5° | 7.1   | 6.3   | 6.3   | 7.1   | 8.7   | 9.4   | 9.4   |
| 80°   | 7.1   | 6.3   | 6.3   | 7.1   | 7.8   | 9.4   | 9.4   |
| 82.5° | 5.5   | 5.5   | 6.3   | 7.1   | 7.8   | 8.7   | 8.7   |
| 85°   | 4.7   | 5.5   | 5.5   | 6.3   | 7.1   | 8.7   | 8.7   |
| 87.5° | 3.9   | 3.9   | 4.7   | 5.5   | 6.3   | 7.1   | 7.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)