

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: P180527

Luminaire Tested: **ICS-E02-LED-E1-SL2-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180527  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E02-LED-E1-SL2-7030  
Description: ICON SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5022.9 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.1  
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



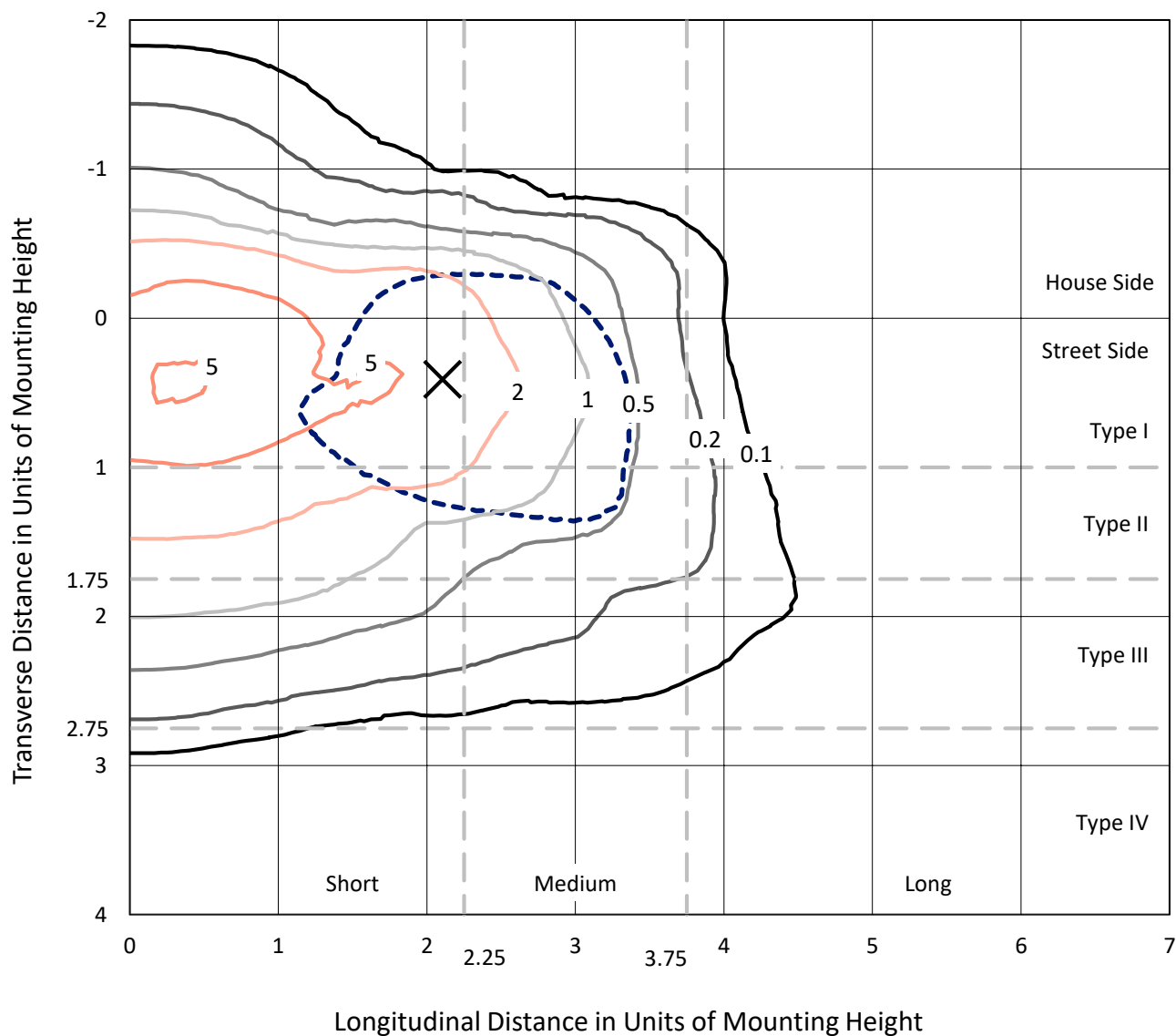
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

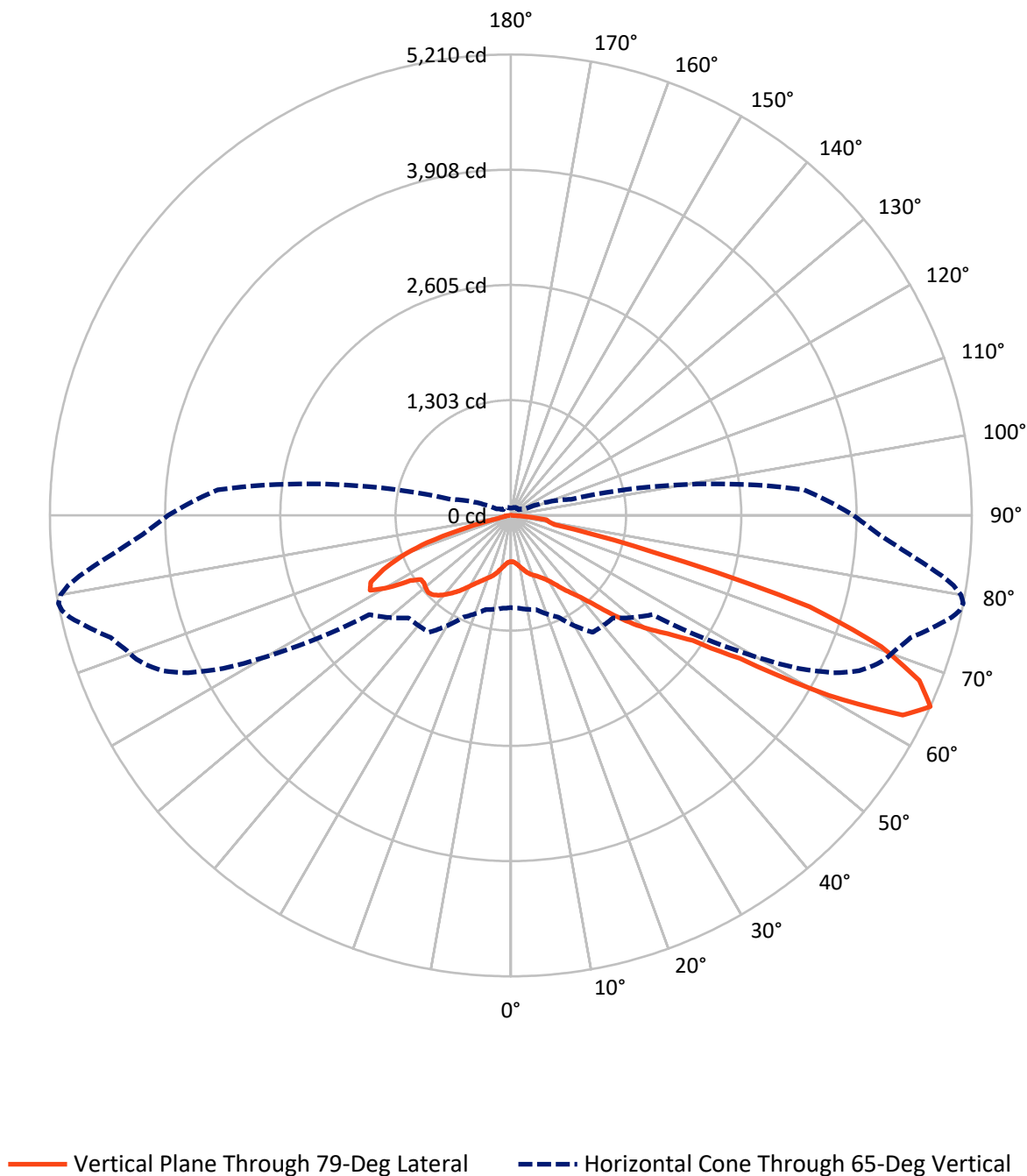


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1187.4   | 0.0    | 1187.4 |
|                    | % Fixture | 23.6     | 0.0    | 23.6   |
| <b>Street Side</b> | Lumens    | 3835.5   | 0.0    | 3835.5 |
|                    | % Fixture | 76.4     | 0.0    | 76.4   |
| <b>Total</b>       | Lumens    | 5022.9   | 0.0    | 5022.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.0   | 1.0       |
| 10°-20°   | 169.9  | 3.4       |
| 20°-30°   | 293.5  | 5.8       |
| 30°-40°   | 485.9  | 9.7       |
| 40°-50°   | 824.0  | 16.4      |
| 50°-60°   | 1094.9 | 21.8      |
| 60°-70°   | 1414.3 | 28.2      |
| 70°-80°   | 593.2  | 11.8      |
| 80°-90°   | 95.3   | 1.9       |
| 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°    | 5022.9 | 100.0     |
| 0°-180°   | 5022.9 | 100.0     |

**Coefficient of Utilization**



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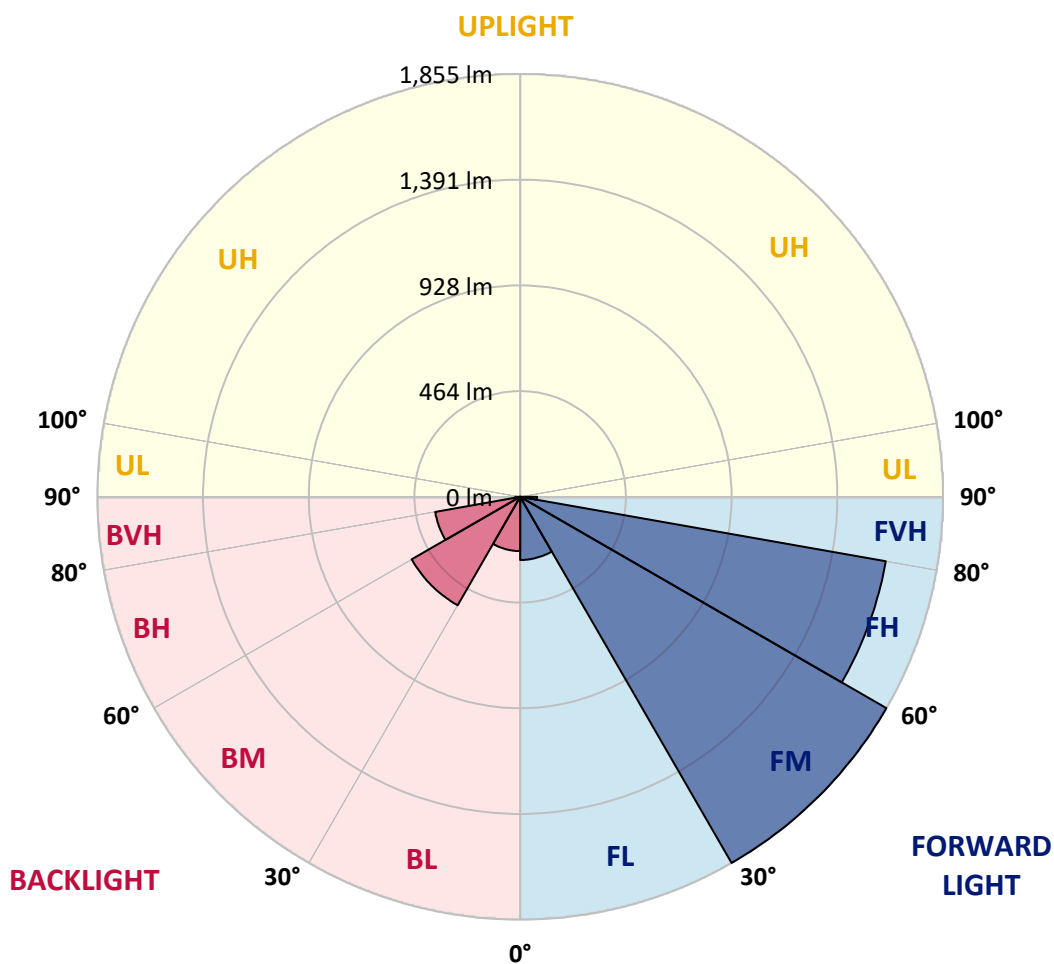
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 277.2  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1855.1 | 36.9      |                         |      |         |
| FH   | (60°-80°)   | 1628.8 | 32.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 74.5   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 238.3  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 549.6  | 10.9      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 378.7  | 7.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.8   | 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°    | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  |
| 2.5°  | 521.2  | 522.8  | 521.7  | 522.8  | 523.9  | 524.5  | 525.6  | 525.0  | 525.0  | 525.6  | 524.5  |
| 5°    | 521.2  | 521.2  | 522.8  | 525.6  | 526.7  | 530.0  | 533.8  | 533.2  | 533.8  | 533.2  | 534.3  |
| 7.5°  | 532.1  | 531.6  | 533.2  | 536.5  | 537.6  | 542.6  | 549.1  | 550.2  | 551.3  | 551.3  | 553.0  |
| 10°   | 551.3  | 550.8  | 552.4  | 554.1  | 555.7  | 559.5  | 568.9  | 572.7  | 573.2  | 573.8  | 576.0  |
| 12.5° | 575.4  | 574.9  | 572.7  | 572.7  | 572.2  | 579.3  | 591.9  | 599.0  | 600.1  | 602.3  | 603.9  |
| 15°   | 592.4  | 590.8  | 587.5  | 585.3  | 588.0  | 599.6  | 618.2  | 626.4  | 627.5  | 629.1  | 633.5  |
| 17.5° | 608.9  | 607.2  | 600.1  | 594.6  | 598.5  | 617.1  | 642.3  | 651.1  | 653.3  | 654.9  | 659.8  |
| 20°   | 631.9  | 630.8  | 620.4  | 607.2  | 606.1  | 630.2  | 660.9  | 672.4  | 674.1  | 676.3  | 681.2  |
| 22.5° | 667.0  | 662.0  | 650.0  | 625.3  | 613.3  | 637.9  | 674.1  | 690.0  | 692.2  | 694.4  | 700.9  |
| 25°   | 710.8  | 708.6  | 687.8  | 650.0  | 624.8  | 645.6  | 688.3  | 708.1  | 711.4  | 714.1  | 722.9  |
| 27.5° | 756.3  | 753.0  | 730.5  | 681.2  | 645.0  | 660.9  | 710.8  | 733.3  | 737.7  | 742.0  | 750.3  |
| 30°   | 796.9  | 795.8  | 777.1  | 723.4  | 677.9  | 690.0  | 747.0  | 774.4  | 779.3  | 784.8  | 792.5  |
| 32.5° | 892.2  | 892.8  | 873.6  | 818.8  | 757.4  | 742.6  | 799.0  | 840.1  | 842.3  | 848.9  | 862.6  |
| 35°   | 1074.7 | 1076.9 | 1069.8 | 1026.5 | 957.4  | 896.6  | 902.1  | 942.6  | 944.8  | 950.3  | 963.5  |
| 37.5° | 1196.9 | 1201.3 | 1223.2 | 1236.9 | 1201.9 | 1173.9 | 1104.3 | 1088.4 | 1090.1 | 1086.8 | 1084.0 |
| 40°   | 1264.3 | 1270.9 | 1328.4 | 1399.7 | 1438.1 | 1438.6 | 1408.5 | 1338.3 | 1311.5 | 1303.8 | 1270.9 |
| 42.5° | 1302.7 | 1313.7 | 1395.3 | 1517.0 | 1627.1 | 1702.8 | 1721.4 | 1643.6 | 1623.8 | 1588.8 | 1525.7 |
| 45°   | 1327.9 | 1341.1 | 1437.5 | 1604.1 | 1766.3 | 1895.1 | 1992.1 | 1957.6 | 1944.4 | 1923.1 | 1865.0 |
| 47.5° | 1323.5 | 1333.9 | 1434.2 | 1633.7 | 1839.2 | 2022.3 | 2194.4 | 2230.0 | 2214.1 | 2208.6 | 2169.1 |
| 50°   | 1243.5 | 1252.8 | 1354.8 | 1560.3 | 1799.2 | 2070.5 | 2322.6 | 2423.4 | 2423.4 | 2433.8 | 2421.8 |
| 52.5° | 1158.0 | 1165.7 | 1258.3 | 1443.0 | 1669.9 | 2023.4 | 2393.8 | 2561.0 | 2582.9 | 2601.0 | 2629.5 |
| 55°   | 1125.7 | 1135.0 | 1205.1 | 1363.0 | 1559.7 | 1888.5 | 2418.0 | 2664.0 | 2704.6 | 2735.3 | 2799.9 |
| 57.5° | 1141.0 | 1150.3 | 1200.2 | 1319.7 | 1495.1 | 1751.0 | 2419.0 | 2802.7 | 2881.0 | 2944.1 | 3075.1 |
| 60°   | 1207.3 | 1216.1 | 1257.8 | 1359.7 | 1478.1 | 1671.5 | 2372.5 | 3023.5 | 3148.5 | 3266.9 | 3485.0 |
| 62.5° | 1176.6 | 1187.6 | 1248.4 | 1426.0 | 1604.7 | 1611.2 | 2204.2 | 3194.5 | 3395.7 | 3570.5 | 3917.4 |
| 65°   | 1042.4 | 1053.9 | 1101.6 | 1267.6 | 1612.3 | 1637.5 | 1954.9 | 3197.8 | 3447.7 | 3683.9 | 4058.2 |
| 67.5° | 791.4  | 795.8  | 833.6  | 966.7  | 1289.5 | 1666.6 | 1698.4 | 2819.1 | 3057.0 | 3320.6 | 3706.9 |
| 70°   | 404.5  | 412.1  | 423.1  | 533.8  | 830.3  | 1377.2 | 1459.4 | 2077.6 | 2380.7 | 2653.1 | 3117.3 |
| 72.5° | 140.3  | 143.0  | 154.0  | 203.9  | 404.5  | 903.7  | 1277.5 | 1423.8 | 1606.9 | 1861.7 | 2399.3 |
| 75°   | 84.4   | 84.4   | 88.2   | 103.0  | 184.7  | 470.8  | 1136.6 | 1162.9 | 1187.6 | 1273.1 | 1624.9 |
| 77.5° | 66.9   | 68.0   | 68.0   | 70.7   | 102.5  | 241.7  | 863.2  | 1081.3 | 1084.6 | 1092.8 | 1152.0 |
| 80°   | 47.7   | 49.9   | 54.3   | 56.4   | 66.3   | 132.6  | 484.5  | 949.2  | 1013.9 | 1045.1 | 1088.4 |
| 82.5° | 35.6   | 37.8   | 46.0   | 48.8   | 51.5   | 74.0   | 217.6  | 654.9  | 772.7  | 835.2  | 987.6  |
| 85°   | 15.9   | 18.6   | 31.2   | 34.5   | 36.2   | 39.5   | 101.9  | 186.3  | 214.3  | 240.6  | 317.3  |
| 87.5° | 2.7    | 2.7    | 4.9    | 7.1    | 10.4   | 9.9    | 22.5   | 31.8   | 32.3   | 37.8   | 42.2   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  |
| 2.5°  | 524.5  | 524.5  | 524.5  | 523.9  | 524.5  | 524.5  | 524.5  | 524.5  | 525.0  | 525.0  | 525.0  |
| 5°    | 536.0  | 534.9  | 535.4  | 535.4  | 535.4  | 534.9  | 536.0  | 535.4  | 536.0  | 537.6  | 537.1  |
| 7.5°  | 553.0  | 554.1  | 554.6  | 555.2  | 555.2  | 555.2  | 555.7  | 556.8  | 556.8  | 558.5  | 557.9  |
| 10°   | 578.2  | 577.6  | 578.2  | 579.8  | 581.5  | 582.0  | 583.7  | 583.1  | 584.2  | 586.4  | 588.6  |
| 12.5° | 605.0  | 606.1  | 607.8  | 609.4  | 612.2  | 612.7  | 614.4  | 614.9  | 618.2  | 618.2  | 620.4  |
| 15°   | 635.2  | 635.7  | 639.0  | 639.6  | 642.9  | 643.9  | 646.7  | 647.8  | 651.6  | 652.2  | 654.4  |
| 17.5° | 662.6  | 663.7  | 665.3  | 667.0  | 670.8  | 672.4  | 674.6  | 676.8  | 680.1  | 681.2  | 685.1  |
| 20°   | 684.5  | 686.7  | 687.2  | 690.5  | 693.8  | 696.0  | 698.2  | 700.4  | 703.7  | 705.3  | 709.2  |
| 22.5° | 704.2  | 706.4  | 708.1  | 710.8  | 713.0  | 716.3  | 717.4  | 721.2  | 724.5  | 727.2  | 730.5  |
| 25°   | 725.6  | 728.9  | 730.5  | 735.5  | 737.1  | 740.4  | 743.1  | 747.0  | 751.4  | 754.7  | 759.0  |
| 27.5° | 755.7  | 760.7  | 762.9  | 768.4  | 772.2  | 773.8  | 778.2  | 783.7  | 787.5  | 791.4  | 795.8  |
| 30°   | 797.4  | 806.7  | 808.4  | 812.2  | 819.3  | 820.4  | 825.9  | 830.3  | 836.3  | 840.1  | 844.0  |
| 32.5° | 862.1  | 873.6  | 874.7  | 879.1  | 885.1  | 887.3  | 891.7  | 896.6  | 905.9  | 907.6  | 913.6  |
| 35°   | 961.3  | 966.2  | 970.6  | 972.2  | 977.2  | 979.9  | 983.2  | 988.7  | 998.0  | 996.9  | 1003.5 |
| 37.5° | 1080.2 | 1081.8 | 1082.4 | 1076.9 | 1078.0 | 1073.1 | 1079.1 | 1080.2 | 1083.5 | 1086.2 | 1092.8 |
| 40°   | 1250.1 | 1233.1 | 1230.9 | 1217.7 | 1204.6 | 1197.5 | 1194.7 | 1183.8 | 1186.5 | 1187.6 | 1193.1 |
| 42.5° | 1498.3 | 1465.5 | 1438.1 | 1419.4 | 1387.1 | 1371.2 | 1349.8 | 1332.8 | 1319.7 | 1324.6 | 1326.8 |
| 45°   | 1812.9 | 1765.8 | 1721.9 | 1664.9 | 1622.7 | 1592.6 | 1554.8 | 1520.8 | 1505.5 | 1498.3 | 1507.1 |
| 47.5° | 2126.9 | 2085.3 | 2033.8 | 1975.1 | 1908.3 | 1858.4 | 1795.4 | 1740.0 | 1701.7 | 1687.4 | 1695.1 |
| 50°   | 2398.2 | 2359.9 | 2320.9 | 2286.4 | 2208.6 | 2154.3 | 2068.3 | 1996.5 | 1936.2 | 1905.5 | 1897.3 |
| 52.5° | 2623.5 | 2603.2 | 2582.4 | 2553.3 | 2490.8 | 2436.6 | 2368.1 | 2297.4 | 2217.4 | 2154.9 | 2133.5 |
| 55°   | 2824.6 | 2836.7 | 2826.2 | 2826.8 | 2802.1 | 2767.6 | 2709.5 | 2656.9 | 2601.0 | 2530.3 | 2500.7 |
| 57.5° | 3117.8 | 3189.0 | 3203.3 | 3238.9 | 3256.5 | 3275.1 | 3291.5 | 3260.3 | 3246.0 | 3193.4 | 3194.0 |
| 60°   | 3579.8 | 3683.9 | 3774.4 | 3856.6 | 3924.0 | 3989.7 | 4058.8 | 4089.5 | 4123.5 | 4139.3 | 4193.6 |
| 62.5° | 4071.4 | 4170.6 | 4305.4 | 4415.6 | 4477.5 | 4563.0 | 4638.1 | 4686.8 | 4746.6 | 4810.1 | 4892.9 |
| 65°   | 4193.1 | 4312.5 | 4397.5 | 4470.9 | 4532.3 | 4577.8 | 4618.9 | 4677.0 | 4726.8 | 4827.7 | 4925.2 |
| 67.5° | 3881.2 | 3976.6 | 4054.4 | 4126.7 | 4174.4 | 4212.8 | 4249.5 | 4287.9 | 4373.4 | 4464.9 | 4563.0 |
| 70°   | 3331.5 | 3446.6 | 3575.4 | 3669.1 | 3692.7 | 3725.6 | 3760.7 | 3810.5 | 3853.3 | 3949.2 | 4023.7 |
| 72.5° | 2676.6 | 2842.1 | 2951.2 | 3081.1 | 3109.0 | 3158.9 | 3178.6 | 3217.5 | 3225.2 | 3277.3 | 3297.0 |
| 75°   | 1865.5 | 2055.2 | 2164.8 | 2260.1 | 2278.8 | 2251.3 | 2262.3 | 2124.8 | 2089.7 | 2061.2 | 2038.2 |
| 77.5° | 1231.4 | 1282.4 | 1300.0 | 1284.6 | 1211.2 | 1153.6 | 1092.2 | 1032.0 | 1038.5 | 989.8  | 904.3  |
| 80°   | 1095.0 | 1106.5 | 1090.6 | 1075.3 | 1033.1 | 972.8  | 917.4  | 861.0  | 833.0  | 803.4  | 759.6  |
| 82.5° | 1065.4 | 1109.8 | 1114.7 | 1096.1 | 1062.6 | 996.9  | 930.0  | 846.2  | 774.9  | 709.2  | 642.3  |
| 85°   | 356.2  | 433.5  | 468.0  | 500.4  | 510.2  | 521.7  | 482.3  | 428.6  | 363.9  | 320.6  | 251.0  |
| 87.5° | 45.5   | 56.4   | 65.2   | 55.9   | 65.2   | 76.7   | 55.4   | 61.9   | 62.5   | 38.9   | 29.0   |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  |
| 2.5°  | 525.6  | 525.0  | 525.0  | 525.0  | 524.5  | 525.0  | 525.0  | 525.0  | 525.0  | 525.0  | 524.5  |
| 5°    | 537.6  | 537.6  | 539.3  | 539.8  | 538.7  | 538.2  | 538.7  | 539.3  | 539.3  | 538.7  | 539.3  |
| 7.5°  | 560.1  | 560.6  | 561.7  | 563.4  | 562.3  | 562.8  | 563.4  | 562.8  | 564.5  | 565.0  | 564.5  |
| 10°   | 588.6  | 589.7  | 592.4  | 593.0  | 592.4  | 594.6  | 595.2  | 594.1  | 595.2  | 595.2  | 597.4  |
| 12.5° | 621.5  | 622.6  | 625.9  | 627.0  | 628.1  | 628.6  | 630.2  | 630.8  | 632.4  | 633.5  | 635.2  |
| 15°   | 657.1  | 658.2  | 660.4  | 664.2  | 665.3  | 666.4  | 667.5  | 670.8  | 671.3  | 673.5  | 675.2  |
| 17.5° | 687.2  | 688.9  | 692.2  | 694.9  | 696.6  | 699.3  | 700.4  | 704.2  | 705.3  | 708.6  | 711.4  |
| 20°   | 711.4  | 714.1  | 716.8  | 720.1  | 722.9  | 726.2  | 727.2  | 731.1  | 733.3  | 734.9  | 738.2  |
| 22.5° | 733.3  | 736.6  | 740.4  | 744.2  | 746.4  | 750.8  | 752.5  | 754.1  | 759.0  | 761.2  | 764.5  |
| 25°   | 761.8  | 765.1  | 769.4  | 774.4  | 776.6  | 782.1  | 783.7  | 786.4  | 791.9  | 794.1  | 799.0  |
| 27.5° | 800.7  | 805.1  | 808.4  | 813.3  | 816.0  | 819.9  | 823.7  | 827.0  | 831.9  | 835.2  | 840.7  |
| 30°   | 849.5  | 852.8  | 858.2  | 862.1  | 866.5  | 871.9  | 876.3  | 879.6  | 882.3  | 887.3  | 893.3  |
| 32.5° | 921.3  | 921.8  | 923.4  | 932.8  | 937.1  | 941.5  | 947.6  | 950.3  | 954.7  | 959.6  | 966.2  |
| 35°   | 1010.6 | 1015.5 | 1019.4 | 1023.7 | 1028.7 | 1033.6 | 1035.8 | 1044.0 | 1047.9 | 1054.4 | 1061.0 |
| 37.5° | 1099.4 | 1099.9 | 1108.7 | 1111.4 | 1115.8 | 1120.7 | 1128.4 | 1136.6 | 1146.5 | 1153.1 | 1163.5 |
| 40°   | 1194.7 | 1199.1 | 1210.1 | 1215.6 | 1221.0 | 1233.1 | 1239.1 | 1252.3 | 1268.7 | 1278.0 | 1295.6 |
| 42.5° | 1332.8 | 1339.4 | 1359.1 | 1367.9 | 1381.1 | 1400.8 | 1413.4 | 1431.5 | 1438.1 | 1460.5 | 1468.7 |
| 45°   | 1513.7 | 1534.0 | 1562.5 | 1581.1 | 1604.7 | 1626.0 | 1637.0 | 1645.2 | 1655.1 | 1672.6 | 1670.4 |
| 47.5° | 1709.3 | 1735.6 | 1767.4 | 1805.8 | 1821.1 | 1846.3 | 1860.6 | 1876.5 | 1867.7 | 1863.3 | 1859.0 |
| 50°   | 1909.9 | 1940.6 | 1982.8 | 2017.3 | 2040.9 | 2056.2 | 2068.3 | 2066.1 | 2047.5 | 2037.6 | 2010.2 |
| 52.5° | 2133.0 | 2151.1 | 2191.1 | 2220.7 | 2234.9 | 2238.2 | 2235.5 | 2219.0 | 2201.5 | 2170.2 | 2137.9 |
| 55°   | 2474.9 | 2466.7 | 2482.6 | 2496.3 | 2491.9 | 2507.3 | 2467.8 | 2452.5 | 2409.2 | 2368.6 | 2325.3 |
| 57.5° | 3169.9 | 3180.8 | 3092.0 | 3052.0 | 3044.9 | 3059.2 | 2989.6 | 2980.8 | 2876.1 | 2863.0 | 2790.1 |
| 60°   | 4185.9 | 4239.6 | 4170.0 | 4131.1 | 4025.9 | 3991.4 | 3913.6 | 3881.2 | 3780.9 | 3699.8 | 3597.3 |
| 62.5° | 4949.9 | 4998.7 | 5027.7 | 4972.4 | 4911.0 | 4820.6 | 4702.7 | 4572.3 | 4466.0 | 4341.6 | 4233.1 |
| 65°   | 5019.0 | 5117.6 | 5184.5 | 5210.2 | 5166.9 | 5067.7 | 4922.5 | 4758.1 | 4595.3 | 4439.1 | 4302.1 |
| 67.5° | 4696.2 | 4784.4 | 4888.0 | 4980.6 | 4986.1 | 4921.4 | 4797.5 | 4630.4 | 4442.4 | 4249.5 | 4088.9 |
| 70°   | 4141.5 | 4252.2 | 4342.7 | 4440.2 | 4508.2 | 4470.9 | 4409.0 | 4255.5 | 4060.4 | 3910.3 | 3725.6 |
| 72.5° | 3368.3 | 3414.8 | 3436.8 | 3532.7 | 3533.8 | 3465.8 | 3422.0 | 3337.0 | 3179.7 | 3073.4 | 2932.6 |
| 75°   | 1966.9 | 1864.4 | 1755.4 | 1660.6 | 1583.3 | 1551.0 | 1407.4 | 1383.3 | 1286.8 | 1227.1 | 1139.4 |
| 77.5° | 811.1  | 719.6  | 601.7  | 503.6  | 406.6  | 362.8  | 299.2  | 271.3  | 235.1  | 219.2  | 208.8  |
| 80°   | 695.5  | 608.9  | 520.1  | 435.1  | 359.5  | 283.9  | 220.9  | 171.5  | 134.8  | 114.5  | 106.3  |
| 82.5° | 567.8  | 515.7  | 453.8  | 407.7  | 348.6  | 292.1  | 246.6  | 191.3  | 143.0  | 105.2  | 80.6   |
| 85°   | 205.0  | 168.2  | 135.4  | 124.4  | 99.2   | 81.7   | 68.5   | 58.6   | 48.2   | 38.4   | 34.0   |
| 87.5° | 23.0   | 21.9   | 12.6   | 12.1   | 13.7   | 9.9    | 11.5   | 10.4   | 8.8    | 7.7    | 8.2    |
| 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):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8  | 522.8 | 522.8 | 522.8 | 522.8 | 522.8 |
| 2.5°  | 524.5  | 524.5  | 525.0  | 525.0  | 525.6  | 526.1  | 527.2 | 526.7 | 526.7 | 527.2 | 527.2 |
| 5°    | 539.3  | 540.9  | 540.4  | 540.4  | 540.4  | 540.9  | 541.5 | 539.3 | 537.1 | 534.9 | 533.8 |
| 7.5°  | 565.0  | 566.1  | 567.2  | 566.1  | 567.2  | 566.7  | 565.6 | 559.5 | 552.4 | 543.7 | 537.6 |
| 10°   | 598.5  | 598.5  | 599.6  | 599.0  | 601.2  | 599.6  | 596.3 | 582.6 | 567.2 | 548.6 | 534.9 |
| 12.5° | 634.6  | 638.5  | 636.8  | 637.4  | 641.8  | 637.4  | 629.7 | 609.4 | 582.0 | 551.9 | 527.8 |
| 15°   | 677.4  | 679.0  | 680.1  | 678.5  | 681.2  | 677.4  | 663.7 | 631.3 | 591.3 | 549.1 | 513.5 |
| 17.5° | 712.5  | 713.0  | 713.5  | 714.6  | 718.5  | 714.1  | 690.5 | 646.7 | 593.5 | 536.5 | 489.4 |
| 20°   | 739.9  | 742.6  | 744.8  | 744.8  | 750.3  | 743.7  | 712.5 | 654.4 | 586.4 | 515.7 | 458.7 |
| 22.5° | 768.4  | 770.5  | 773.3  | 773.8  | 781.0  | 774.4  | 730.5 | 652.7 | 567.8 | 486.1 | 423.1 |
| 25°   | 803.4  | 805.6  | 807.8  | 810.6  | 820.4  | 811.1  | 748.6 | 646.1 | 542.0 | 451.0 | 384.7 |
| 27.5° | 844.0  | 848.9  | 850.6  | 854.9  | 866.5  | 852.2  | 764.0 | 636.3 | 513.5 | 410.5 | 344.2 |
| 30°   | 898.2  | 904.3  | 906.5  | 912.5  | 928.4  | 897.1  | 772.7 | 619.3 | 477.3 | 369.4 | 300.9 |
| 32.5° | 971.1  | 979.3  | 985.9  | 992.5  | 1010.6 | 942.1  | 773.8 | 594.6 | 435.1 | 323.3 | 259.2 |
| 35°   | 1066.5 | 1079.1 | 1084.0 | 1088.4 | 1105.4 | 990.9  | 768.9 | 557.9 | 383.6 | 276.2 | 226.3 |
| 37.5° | 1173.4 | 1186.0 | 1189.2 | 1191.4 | 1194.7 | 1032.5 | 756.8 | 502.0 | 325.5 | 235.1 | 200.0 |
| 40°   | 1304.9 | 1315.8 | 1320.2 | 1316.9 | 1299.4 | 1064.8 | 730.0 | 436.8 | 269.1 | 207.2 | 183.6 |
| 42.5° | 1465.5 | 1481.9 | 1483.5 | 1468.7 | 1410.7 | 1082.9 | 676.3 | 360.1 | 224.7 | 186.9 | 171.0 |
| 45°   | 1664.4 | 1663.3 | 1654.0 | 1643.6 | 1531.8 | 1075.8 | 601.2 | 293.2 | 196.7 | 171.0 | 159.5 |
| 47.5° | 1843.1 | 1824.4 | 1810.2 | 1779.5 | 1638.6 | 1034.2 | 504.2 | 242.8 | 179.8 | 158.9 | 149.6 |
| 50°   | 1989.4 | 1955.4 | 1925.3 | 1891.8 | 1718.1 | 960.2  | 407.7 | 206.1 | 163.9 | 148.5 | 140.3 |
| 52.5° | 2105.0 | 2063.9 | 2028.8 | 1996.0 | 1794.8 | 878.0  | 334.3 | 179.2 | 148.5 | 138.1 | 129.9 |
| 55°   | 2285.9 | 2244.8 | 2188.9 | 2152.7 | 1912.1 | 802.3  | 286.6 | 157.8 | 133.7 | 127.1 | 118.9 |
| 57.5° | 2743.5 | 2707.3 | 2640.5 | 2546.7 | 2213.5 | 773.8  | 259.8 | 141.4 | 121.7 | 117.8 | 111.3 |
| 60°   | 3542.5 | 3483.9 | 3396.8 | 3301.4 | 2826.2 | 793.0  | 238.4 | 129.9 | 113.4 | 110.2 | 105.2 |
| 62.5° | 4145.4 | 4042.3 | 3943.7 | 3855.5 | 3316.2 | 792.5  | 210.4 | 121.1 | 107.4 | 105.8 | 100.8 |
| 65°   | 4170.0 | 4065.4 | 3966.2 | 3873.5 | 3327.2 | 705.3  | 177.6 | 113.4 | 106.3 | 105.8 | 97.6  |
| 67.5° | 3948.6 | 3835.2 | 3739.3 | 3622.5 | 3080.0 | 551.3  | 142.5 | 108.5 | 110.7 | 109.6 | 96.5  |
| 70°   | 3586.9 | 3439.0 | 3360.0 | 3244.9 | 2710.6 | 385.8  | 117.3 | 110.2 | 120.0 | 116.7 | 98.1  |
| 72.5° | 2815.3 | 2703.5 | 2583.5 | 2503.4 | 2122.0 | 243.9  | 98.6  | 111.3 | 123.9 | 118.4 | 102.5 |
| 75°   | 1047.9 | 1078.0 | 1028.7 | 1011.1 | 1078.0 | 143.0  | 87.7  | 103.6 | 110.7 | 102.5 | 93.2  |
| 77.5° | 211.5  | 202.2  | 191.8  | 189.6  | 245.0  | 88.2   | 80.6  | 89.9  | 84.9  | 75.1  | 75.6  |
| 80°   | 101.4  | 98.6   | 95.4   | 94.8   | 91.0   | 73.4   | 74.5  | 76.7  | 64.1  | 58.1  | 61.9  |
| 82.5° | 67.4   | 63.6   | 62.5   | 60.3   | 61.4   | 65.8   | 70.7  | 65.8  | 49.3  | 46.0  | 55.9  |
| 85°   | 31.2   | 30.1   | 29.6   | 29.6   | 32.9   | 59.2   | 58.6  | 48.2  | 34.0  | 32.9  | 55.9  |
| 87.5° | 7.7    | 7.7    | 8.2    | 7.7    | 8.8    | 17.5   | 15.3  | 14.8  | 12.6  | 14.2  | 26.3  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 522.8 | 522.8 | 522.8 |
| 2.5°  | 526.7 | 527.2 | 526.7 |
| 5°    | 531.6 | 531.6 | 531.6 |
| 7.5°  | 531.6 | 530.0 | 529.4 |
| 10°   | 523.9 | 519.0 | 519.0 |
| 12.5° | 510.8 | 502.6 | 501.5 |
| 15°   | 486.1 | 475.2 | 473.5 |
| 17.5° | 454.9 | 440.1 | 437.3 |
| 20°   | 419.8 | 401.2 | 397.9 |
| 22.5° | 381.4 | 360.1 | 358.4 |
| 25°   | 343.6 | 321.7 | 317.3 |
| 27.5° | 301.4 | 280.0 | 277.9 |
| 30°   | 259.2 | 240.6 | 239.5 |
| 32.5° | 223.6 | 212.1 | 209.9 |
| 35°   | 198.4 | 191.8 | 189.1 |
| 37.5° | 181.9 | 177.0 | 176.5 |
| 40°   | 169.3 | 165.0 | 164.4 |
| 42.5° | 158.9 | 155.1 | 154.5 |
| 45°   | 148.5 | 145.2 | 144.1 |
| 47.5° | 138.1 | 134.8 | 134.3 |
| 50°   | 128.8 | 124.4 | 123.9 |
| 52.5° | 120.0 | 115.6 | 114.5 |
| 55°   | 111.8 | 107.4 | 107.4 |
| 57.5° | 104.7 | 100.3 | 99.7  |
| 60°   | 98.1  | 93.7  | 93.2  |
| 62.5° | 93.2  | 87.7  | 87.1  |
| 65°   | 89.3  | 83.9  | 82.8  |
| 67.5° | 87.1  | 80.6  | 78.9  |
| 70°   | 91.0  | 78.9  | 76.2  |
| 72.5° | 91.5  | 77.3  | 73.4  |
| 75°   | 88.2  | 72.9  | 70.1  |
| 77.5° | 77.3  | 65.2  | 62.5  |
| 80°   | 66.9  | 50.4  | 46.6  |
| 82.5° | 63.6  | 41.1  | 35.6  |
| 85°   | 49.3  | 26.9  | 25.2  |
| 87.5° | 28.0  | 14.8  | 12.1  |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)