

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: P180752

Luminaire Tested: **ICS-F04-LED-E1-SL3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180752  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F04-LED-E1-SL3-7030  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (28) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8241.7 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 102.2  
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



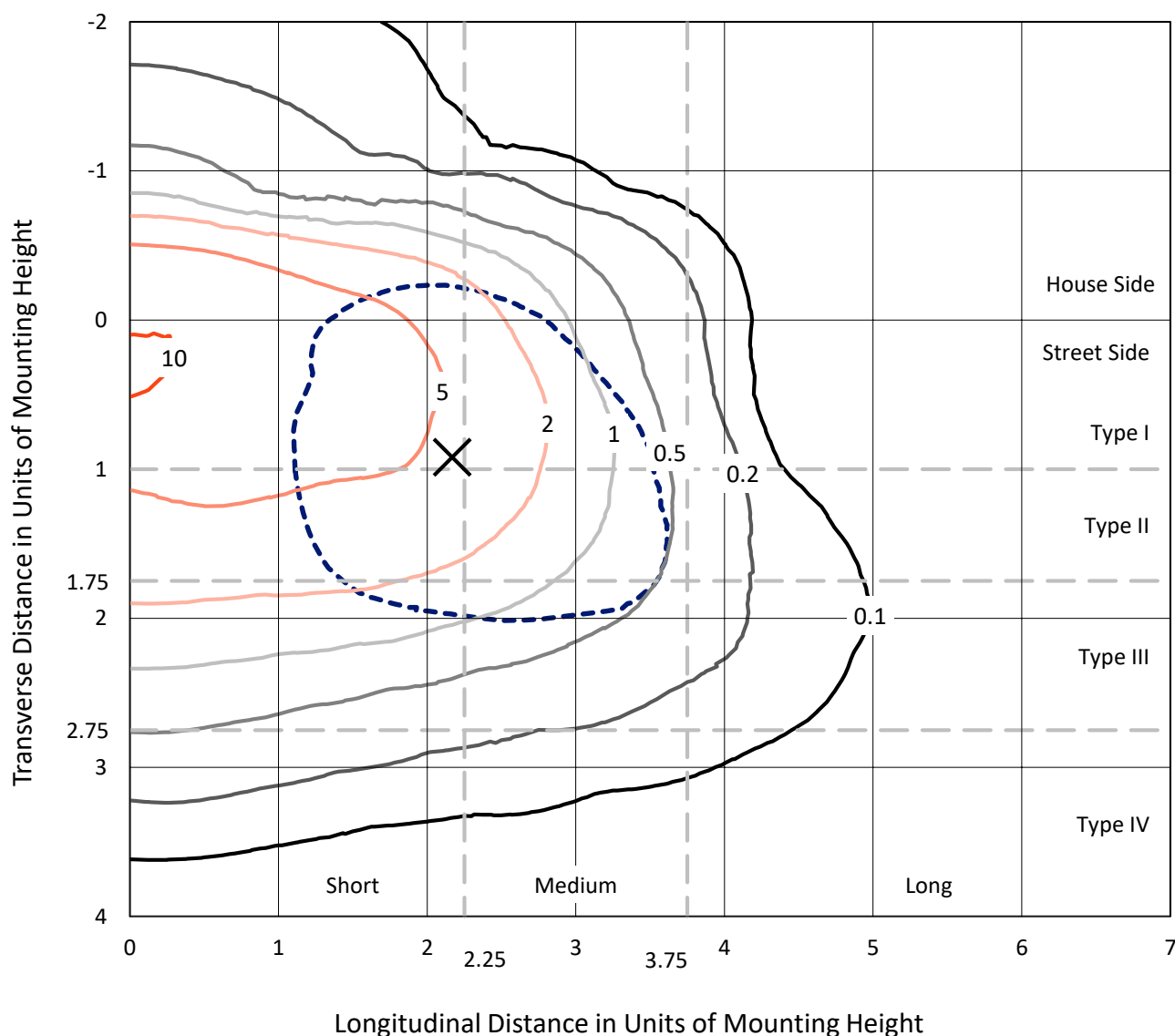
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

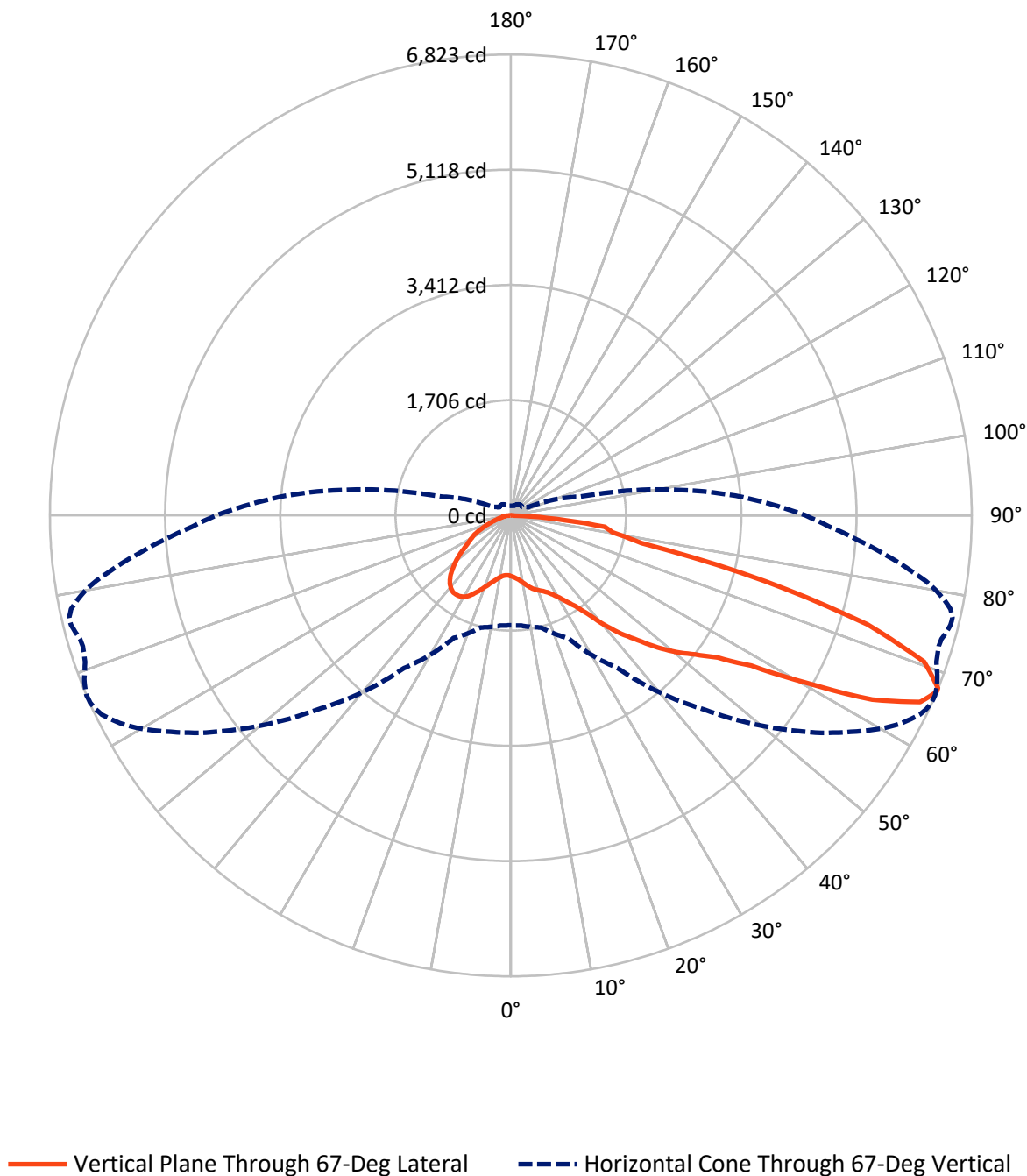


Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1901.9   | 0.0    | 1901.9 |
|                    | % Fixture | 23.1     | 0.0    | 23.1   |
| <b>Street Side</b> | Lumens    | 6339.8   | 0.0    | 6339.8 |
|                    | % Fixture | 76.9     | 0.0    | 76.9   |
| <b>Total</b>       | Lumens    | 8241.7   | 0.0    | 8241.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.6   | 1.1       |
| 10°-20°   | 307.4  | 3.7       |
| 20°-30°   | 542.7  | 6.6       |
| 30°-40°   | 779.0  | 9.5       |
| 40°-50°   | 1183.1 | 14.4      |
| 50°-60°   | 1742.0 | 21.1      |
| 60°-70°   | 2315.0 | 28.1      |
| 70°-80°   | 1132.6 | 13.7      |
| 80°-90°   | 150.4  | 1.8       |
| 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°    | 8241.7 | 100.0     |
| 0°-180°   | 8241.7 | 100.0     |

**Coefficient of Utilization**



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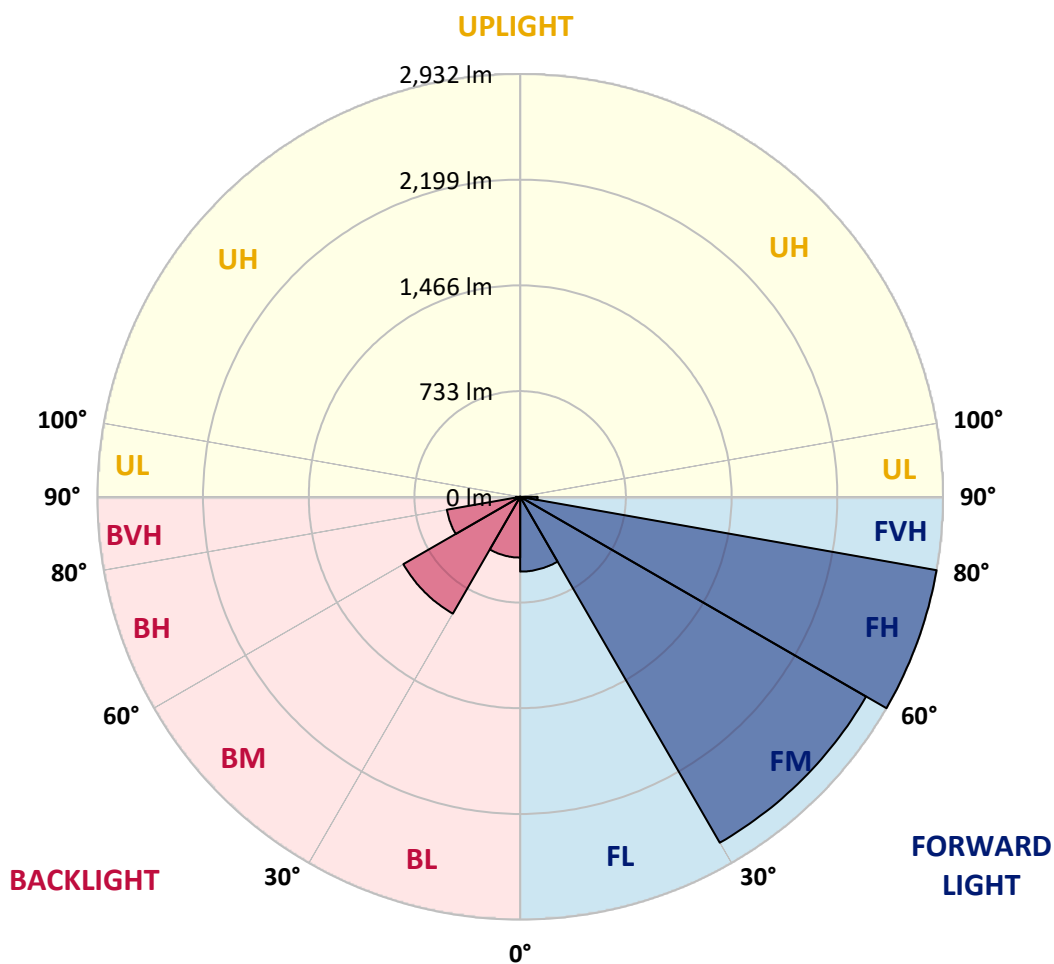
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 518.5  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 2769.0 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 2931.5 | 35.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 120.8  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 421.2  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 935.0  | 11.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 516.0  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 29.6   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  |
| 2.5°  | 942.8  | 943.7  | 941.9  | 941.0  | 935.6  | 930.2  | 926.6  | 922.0  | 922.0  | 922.0  | 920.2  |
| 5°    | 996.2  | 992.6  | 995.3  | 989.0  | 978.1  | 968.2  | 958.2  | 950.1  | 948.3  | 948.3  | 944.7  |
| 7.5°  | 1060.5 | 1055.9 | 1054.1 | 1045.1 | 1028.8 | 1014.3 | 994.4  | 986.3  | 981.8  | 979.9  | 978.1  |
| 10°   | 1138.3 | 1138.3 | 1126.5 | 1111.1 | 1089.4 | 1064.1 | 1042.4 | 1027.9 | 1027.0 | 1027.0 | 1018.9 |
| 12.5° | 1217.9 | 1219.7 | 1204.3 | 1189.0 | 1153.7 | 1120.2 | 1094.9 | 1078.6 | 1077.7 | 1074.0 | 1069.5 |
| 15°   | 1291.2 | 1286.7 | 1276.7 | 1254.1 | 1215.2 | 1175.4 | 1143.7 | 1127.4 | 1123.8 | 1120.2 | 1117.5 |
| 17.5° | 1351.8 | 1347.3 | 1334.6 | 1305.7 | 1265.0 | 1217.9 | 1179.0 | 1161.8 | 1160.0 | 1158.2 | 1154.6 |
| 20°   | 1389.8 | 1386.2 | 1368.1 | 1334.6 | 1292.1 | 1244.2 | 1202.5 | 1190.8 | 1187.2 | 1187.2 | 1185.3 |
| 22.5° | 1411.6 | 1406.1 | 1379.9 | 1335.5 | 1293.9 | 1258.6 | 1224.3 | 1217.0 | 1214.3 | 1215.2 | 1215.2 |
| 25°   | 1422.4 | 1417.9 | 1380.8 | 1317.4 | 1277.6 | 1267.7 | 1253.2 | 1248.7 | 1249.6 | 1250.5 | 1252.3 |
| 27.5° | 1424.2 | 1417.9 | 1374.5 | 1293.9 | 1256.8 | 1284.9 | 1294.8 | 1302.1 | 1302.1 | 1305.7 | 1312.0 |
| 30°   | 1410.6 | 1403.4 | 1361.8 | 1275.8 | 1247.8 | 1319.3 | 1359.1 | 1378.1 | 1385.3 | 1383.5 | 1398.0 |
| 32.5° | 1387.1 | 1382.6 | 1349.1 | 1275.8 | 1273.1 | 1387.1 | 1457.7 | 1484.8 | 1488.5 | 1490.3 | 1506.6 |
| 35°   | 1379.0 | 1378.1 | 1363.6 | 1319.3 | 1351.8 | 1506.6 | 1614.2 | 1635.0 | 1639.6 | 1639.6 | 1651.3 |
| 37.5° | 1377.2 | 1381.7 | 1398.0 | 1400.7 | 1490.3 | 1683.9 | 1825.1 | 1856.7 | 1856.7 | 1865.8 | 1865.8 |
| 40°   | 1377.2 | 1387.1 | 1448.7 | 1521.9 | 1659.5 | 1914.6 | 2110.1 | 2146.3 | 2146.3 | 2156.2 | 2150.8 |
| 42.5° | 1430.6 | 1445.0 | 1546.4 | 1685.7 | 1873.0 | 2152.6 | 2377.0 | 2417.7 | 2420.5 | 2417.7 | 2425.9 |
| 45°   | 1535.5 | 1548.2 | 1671.2 | 1871.2 | 2092.9 | 2407.8 | 2632.2 | 2681.0 | 2671.1 | 2677.4 | 2680.1 |
| 47.5° | 1674.9 | 1694.8 | 1835.0 | 2073.9 | 2307.3 | 2643.9 | 2918.1 | 2962.5 | 2958.8 | 2961.5 | 2949.8 |
| 50°   | 1823.3 | 1844.1 | 2000.6 | 2274.8 | 2520.9 | 2834.0 | 3147.9 | 3214.0 | 3207.7 | 3212.2 | 3218.5 |
| 52.5° | 1954.5 | 1967.1 | 2118.2 | 2425.9 | 2682.9 | 3011.3 | 3324.4 | 3406.7 | 3421.2 | 3423.0 | 3427.5 |
| 55°   | 2032.3 | 2047.7 | 2186.1 | 2501.0 | 2800.5 | 3185.0 | 3526.2 | 3651.0 | 3679.1 | 3686.3 | 3706.2 |
| 57.5° | 2059.4 | 2075.7 | 2201.5 | 2511.8 | 2864.7 | 3347.9 | 3807.6 | 4027.4 | 4051.0 | 4089.9 | 4153.2 |
| 60°   | 2058.5 | 2075.7 | 2185.2 | 2487.4 | 2929.9 | 3549.7 | 4245.5 | 4613.8 | 4733.2 | 4773.0 | 4863.5 |
| 62.5° | 1974.4 | 1994.3 | 2105.6 | 2413.2 | 3013.1 | 3807.6 | 4897.0 | 5463.4 | 5617.3 | 5689.6 | 5787.4 |
| 65°   | 1789.8 | 1804.3 | 1908.3 | 2225.0 | 2989.6 | 4061.8 | 5441.7 | 6148.4 | 6288.6 | 6394.5 | 6569.1 |
| 67°   | 1626.0 | 1635.0 | 1716.5 | 2002.4 | 2759.8 | 4070.9 | 5613.6 | 6318.5 | 6440.7 | 6552.9 | 6732.9 |
| 67.5° | 1584.4 | 1603.4 | 1666.7 | 1934.6 | 2673.8 | 4019.3 | 5601.9 | 6292.3 | 6417.1 | 6533.9 | 6723.9 |
| 70°   | 1289.4 | 1316.5 | 1348.2 | 1528.3 | 2101.9 | 3381.4 | 5186.6 | 5838.0 | 5947.5 | 6056.1 | 6321.2 |
| 72.5° | 795.4  | 844.2  | 850.6  | 964.6  | 1368.1 | 2337.2 | 4196.7 | 4923.2 | 5005.6 | 5083.4 | 5354.9 |
| 75°   | 468.7  | 475.9  | 498.6  | 590.9  | 802.6  | 1397.1 | 2815.9 | 3657.4 | 3733.4 | 3771.4 | 3984.0 |
| 77.5° | 261.5  | 268.7  | 287.7  | 367.4  | 617.1  | 941.0  | 1639.6 | 2149.0 | 2195.1 | 2243.1 | 2208.7 |
| 80°   | 108.6  | 118.5  | 127.6  | 148.4  | 288.6  | 742.9  | 1127.4 | 1366.3 | 1396.2 | 1424.2 | 1459.5 |
| 82.5° | 52.5   | 56.1   | 68.8   | 78.7   | 105.0  | 304.9  | 884.0  | 1184.4 | 1219.7 | 1260.4 | 1342.8 |
| 85°   | 24.4   | 27.1   | 38.0   | 45.2   | 50.7   | 76.9   | 295.9  | 576.4  | 625.2  | 634.3  | 650.6  |
| 87.5° | 1.8    | 1.8    | 4.5    | 6.3    | 9.0    | 10.0   | 30.8   | 43.4   | 48.9   | 44.3   | 56.1   |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  |
| 2.5°  | 919.3  | 918.4  | 916.6  | 916.6  | 915.7  | 915.7  | 915.7  | 913.9  | 913.9  | 913.9  | 913.0  |
| 5°    | 943.7  | 942.8  | 940.1  | 940.1  | 938.3  | 938.3  | 935.6  | 934.7  | 932.9  | 932.9  | 932.0  |
| 7.5°  | 975.4  | 974.5  | 970.9  | 970.9  | 968.2  | 967.3  | 965.5  | 962.8  | 962.8  | 960.9  | 959.1  |
| 10°   | 1018.9 | 1016.1 | 1015.2 | 1010.7 | 1011.6 | 1009.8 | 1008.0 | 1005.3 | 1003.5 | 1001.7 | 999.8  |
| 12.5° | 1067.7 | 1067.7 | 1063.2 | 1060.5 | 1062.3 | 1060.5 | 1056.9 | 1055.9 | 1053.2 | 1053.2 | 1050.5 |
| 15°   | 1113.9 | 1113.9 | 1112.1 | 1108.4 | 1109.3 | 1106.6 | 1105.7 | 1103.9 | 1100.3 | 1101.2 | 1100.3 |
| 17.5° | 1153.7 | 1153.7 | 1151.0 | 1149.1 | 1149.1 | 1146.4 | 1147.3 | 1145.5 | 1143.7 | 1142.8 | 1140.1 |
| 20°   | 1185.3 | 1185.3 | 1183.5 | 1181.7 | 1182.6 | 1182.6 | 1179.9 | 1179.9 | 1179.9 | 1178.1 | 1178.1 |
| 22.5° | 1216.1 | 1217.0 | 1217.0 | 1217.0 | 1217.9 | 1218.8 | 1217.9 | 1219.7 | 1218.8 | 1220.6 | 1220.6 |
| 25°   | 1256.8 | 1259.5 | 1261.3 | 1261.3 | 1265.9 | 1266.8 | 1267.7 | 1270.4 | 1270.4 | 1273.1 | 1274.0 |
| 27.5° | 1317.4 | 1319.3 | 1326.5 | 1328.3 | 1329.2 | 1336.5 | 1337.4 | 1341.0 | 1344.6 | 1345.5 | 1346.4 |
| 30°   | 1400.7 | 1405.2 | 1410.6 | 1414.3 | 1414.3 | 1423.3 | 1426.9 | 1425.1 | 1435.1 | 1437.8 | 1441.4 |
| 32.5° | 1512.0 | 1515.6 | 1521.0 | 1524.7 | 1528.3 | 1532.8 | 1533.7 | 1538.2 | 1546.4 | 1553.6 | 1549.1 |
| 35°   | 1652.2 | 1661.3 | 1652.2 | 1662.2 | 1664.9 | 1671.2 | 1669.4 | 1674.9 | 1678.5 | 1681.2 | 1680.3 |
| 37.5° | 1855.8 | 1851.3 | 1849.5 | 1845.9 | 1839.5 | 1861.3 | 1850.4 | 1849.5 | 1844.1 | 1859.4 | 1849.5 |
| 40°   | 2123.7 | 2126.4 | 2129.1 | 2114.6 | 2106.5 | 2106.5 | 2103.8 | 2093.8 | 2089.3 | 2102.9 | 2101.0 |
| 42.5° | 2403.3 | 2406.0 | 2393.3 | 2384.3 | 2363.4 | 2360.7 | 2348.1 | 2345.3 | 2340.8 | 2348.1 | 2340.8 |
| 45°   | 2657.5 | 2659.3 | 2631.3 | 2635.8 | 2619.5 | 2622.2 | 2602.3 | 2610.5 | 2599.6 | 2606.8 | 2620.4 |
| 47.5° | 2941.6 | 2945.3 | 2920.8 | 2930.8 | 2914.5 | 2904.5 | 2903.6 | 2909.1 | 2897.3 | 2904.5 | 2908.2 |
| 50°   | 3199.5 | 3195.0 | 3182.3 | 3185.0 | 3177.8 | 3179.6 | 3168.8 | 3178.7 | 3165.1 | 3179.6 | 3177.8 |
| 52.5° | 3428.4 | 3423.0 | 3420.3 | 3429.3 | 3423.0 | 3423.0 | 3416.7 | 3421.2 | 3423.0 | 3444.7 | 3449.3 |
| 55°   | 3706.2 | 3710.8 | 3715.3 | 3731.6 | 3738.8 | 3727.0 | 3738.8 | 3761.4 | 3762.3 | 3813.9 | 3842.0 |
| 57.5° | 4152.3 | 4184.0 | 4200.3 | 4210.2 | 4252.8 | 4248.2 | 4275.4 | 4329.7 | 4335.1 | 4454.5 | 4524.2 |
| 60°   | 4930.5 | 4986.6 | 5040.0 | 5011.0 | 5097.0 | 5123.2 | 5139.5 | 5240.8 | 5272.5 | 5385.6 | 5446.2 |
| 62.5° | 5913.1 | 5919.5 | 6002.7 | 5976.5 | 6025.3 | 6013.6 | 6033.5 | 6079.6 | 6121.3 | 6214.5 | 6271.5 |
| 65°   | 6599.0 | 6628.9 | 6661.4 | 6628.0 | 6627.1 | 6587.2 | 6561.9 | 6561.0 | 6586.3 | 6606.2 | 6669.6 |
| 67°   | 6785.4 | 6815.3 | 6823.4 | 6799.0 | 6763.7 | 6713.0 | 6666.0 | 6641.5 | 6625.2 | 6634.3 | 6674.1 |
| 67.5° | 6783.6 | 6811.6 | 6821.6 | 6798.1 | 6749.2 | 6706.7 | 6656.9 | 6628.9 | 6607.2 | 6611.7 | 6645.2 |
| 70°   | 6398.1 | 6458.8 | 6491.3 | 6498.6 | 6492.2 | 6418.0 | 6375.5 | 6350.2 | 6332.1 | 6287.7 | 6285.0 |
| 72.5° | 5420.9 | 5494.2 | 5519.5 | 5560.3 | 5578.3 | 5468.9 | 5422.7 | 5450.8 | 5387.4 | 5247.2 | 5253.5 |
| 75°   | 3980.4 | 3985.8 | 3900.8 | 3884.5 | 3823.9 | 3575.9 | 3501.7 | 3433.9 | 3325.3 | 3156.1 | 2996.8 |
| 77.5° | 2074.8 | 2073.9 | 1976.2 | 1926.4 | 1854.0 | 1704.7 | 1697.5 | 1576.2 | 1491.2 | 1336.5 | 1280.4 |
| 80°   | 1474.0 | 1497.5 | 1530.1 | 1546.4 | 1521.0 | 1463.1 | 1383.5 | 1297.5 | 1198.9 | 1102.1 | 986.3  |
| 82.5° | 1370.8 | 1385.3 | 1402.5 | 1339.2 | 1303.9 | 1222.4 | 1161.8 | 1036.9 | 967.3  | 856.9  | 740.2  |
| 85°   | 666.9  | 711.2  | 676.8  | 637.0  | 623.4  | 487.7  | 471.4  | 393.6  | 357.4  | 294.1  | 274.2  |
| 87.5° | 42.5   | 52.5   | 47.1   | 42.5   | 37.1   | 20.8   | 28.1   | 19.9   | 20.8   | 15.4   | 13.6   |
| 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):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  |
| 2.5°  | 913.0  | 912.1  | 911.2  | 910.3  | 909.4  | 909.4  | 908.5  | 907.6  | 906.7  | 904.8  | 904.8  |
| 5°    | 930.2  | 930.2  | 929.3  | 927.5  | 927.5  | 925.7  | 922.9  | 922.0  | 922.0  | 920.2  | 918.4  |
| 7.5°  | 958.2  | 957.3  | 955.5  | 954.6  | 952.8  | 951.0  | 949.2  | 947.4  | 946.5  | 943.7  | 942.8  |
| 10°   | 1000.8 | 998.9  | 994.4  | 992.6  | 991.7  | 989.9  | 988.1  | 986.3  | 983.6  | 981.8  | 980.8  |
| 12.5° | 1048.7 | 1047.8 | 1044.2 | 1046.0 | 1041.5 | 1039.7 | 1037.9 | 1033.3 | 1035.1 | 1031.5 | 1029.7 |
| 15°   | 1096.7 | 1097.6 | 1095.8 | 1095.8 | 1092.1 | 1089.4 | 1087.6 | 1084.0 | 1083.1 | 1081.3 | 1079.5 |
| 17.5° | 1139.2 | 1141.0 | 1138.3 | 1136.5 | 1134.7 | 1132.9 | 1129.2 | 1125.6 | 1125.6 | 1122.0 | 1120.2 |
| 20°   | 1178.1 | 1179.9 | 1179.0 | 1177.2 | 1174.5 | 1173.6 | 1171.8 | 1169.1 | 1169.1 | 1167.2 | 1164.5 |
| 22.5° | 1222.4 | 1223.3 | 1223.3 | 1222.4 | 1219.7 | 1220.6 | 1218.8 | 1216.1 | 1217.0 | 1213.4 | 1213.4 |
| 25°   | 1275.8 | 1277.6 | 1279.4 | 1280.4 | 1278.5 | 1279.4 | 1277.6 | 1275.8 | 1274.9 | 1275.8 | 1274.9 |
| 27.5° | 1349.1 | 1350.9 | 1356.4 | 1351.8 | 1356.4 | 1357.3 | 1354.5 | 1350.9 | 1353.6 | 1358.2 | 1355.5 |
| 30°   | 1445.9 | 1444.1 | 1451.4 | 1452.3 | 1451.4 | 1452.3 | 1450.5 | 1447.7 | 1449.6 | 1457.7 | 1453.2 |
| 32.5° | 1554.5 | 1558.1 | 1559.9 | 1561.8 | 1564.5 | 1568.1 | 1565.4 | 1562.7 | 1567.2 | 1564.5 | 1570.8 |
| 35°   | 1685.7 | 1693.9 | 1696.6 | 1693.9 | 1695.7 | 1702.0 | 1701.1 | 1702.0 | 1711.1 | 1702.0 | 1713.8 |
| 37.5° | 1851.3 | 1859.4 | 1865.8 | 1862.2 | 1866.7 | 1866.7 | 1873.9 | 1893.8 | 1881.2 | 1897.5 | 1910.1 |
| 40°   | 2092.0 | 2104.7 | 2105.6 | 2104.7 | 2109.2 | 2114.6 | 2121.9 | 2143.6 | 2129.1 | 2146.3 | 2158.0 |
| 42.5° | 2339.9 | 2355.3 | 2360.7 | 2351.7 | 2361.6 | 2373.4 | 2374.3 | 2393.3 | 2394.2 | 2396.9 | 2403.3 |
| 45°   | 2619.5 | 2633.1 | 2643.9 | 2639.4 | 2640.3 | 2655.7 | 2652.1 | 2670.2 | 2656.6 | 2656.6 | 2660.2 |
| 47.5° | 2917.2 | 2929.9 | 2937.1 | 2944.4 | 2935.3 | 2948.9 | 2955.2 | 2951.6 | 2935.3 | 2931.7 | 2910.0 |
| 50°   | 3188.7 | 3199.5 | 3210.4 | 3230.3 | 3229.4 | 3235.7 | 3240.2 | 3223.9 | 3220.3 | 3200.4 | 3176.0 |
| 52.5° | 3476.4 | 3504.5 | 3528.9 | 3570.5 | 3576.8 | 3598.6 | 3590.4 | 3563.3 | 3558.7 | 3526.2 | 3493.6 |
| 55°   | 3877.2 | 3957.8 | 3993.1 | 4057.3 | 4100.7 | 4099.8 | 4081.7 | 4077.2 | 4042.8 | 3977.7 | 3938.8 |
| 57.5° | 4574.9 | 4700.7 | 4761.3 | 4844.5 | 4858.1 | 4849.9 | 4826.4 | 4784.8 | 4725.1 | 4615.6 | 4545.0 |
| 60°   | 5582.0 | 5659.8 | 5730.4 | 5750.3 | 5760.2 | 5744.8 | 5662.5 | 5570.2 | 5453.5 | 5302.4 | 5176.6 |
| 62.5° | 6342.9 | 6422.6 | 6475.0 | 6466.9 | 6404.5 | 6325.7 | 6205.4 | 6050.7 | 5886.9 | 5717.7 | 5529.5 |
| 65°   | 6730.2 | 6763.7 | 6755.5 | 6692.2 | 6585.4 | 6447.9 | 6272.4 | 6081.4 | 5888.7 | 5688.7 | 5493.3 |
| 67°   | 6709.4 | 6710.3 | 6655.1 | 6532.0 | 6395.4 | 6222.6 | 6008.1 | 5800.0 | 5573.8 | 5363.9 | 5131.4 |
| 67.5° | 6672.3 | 6668.7 | 6591.8 | 6456.9 | 6309.5 | 6131.2 | 5908.6 | 5693.3 | 5458.9 | 5247.2 | 5006.5 |
| 70°   | 6252.5 | 6201.8 | 6028.1 | 5812.7 | 5607.3 | 5366.6 | 5133.2 | 4886.1 | 4621.9 | 4440.1 | 4163.2 |
| 72.5° | 5137.7 | 4966.7 | 4667.2 | 4441.9 | 4222.0 | 3907.1 | 3761.4 | 3454.7 | 3269.2 | 3153.4 | 2944.4 |
| 75°   | 2975.1 | 2832.2 | 2600.5 | 2389.7 | 2282.9 | 2096.5 | 2007.8 | 1782.5 | 1735.5 | 1733.7 | 1661.3 |
| 77.5° | 1135.6 | 990.8  | 841.5  | 677.7  | 576.4  | 457.8  | 403.6  | 361.0  | 328.5  | 351.1  | 318.5  |
| 80°   | 851.5  | 700.3  | 547.4  | 398.1  | 284.1  | 209.9  | 180.1  | 166.5  | 158.3  | 152.0  | 147.5  |
| 82.5° | 634.3  | 500.4  | 388.2  | 253.4  | 177.3  | 133.9  | 115.8  | 108.6  | 105.0  | 98.6   | 93.2   |
| 85°   | 214.4  | 171.9  | 135.7  | 94.1   | 74.2   | 60.6   | 56.1   | 54.3   | 51.6   | 47.1   | 44.3   |
| 87.5° | 11.8   | 10.9   | 11.8   | 9.0    | 10.9   | 9.0    | 10.0   | 10.0   | 10.0   | 9.0    | 9.0    |
| 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):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3  | 900.3 |
| 2.5°  | 903.9  | 903.9  | 903.9  | 902.1  | 899.4  | 894.0  | 888.6  | 884.0  | 879.5  | 876.8  | 875.0 |
| 5°    | 917.5  | 915.7  | 914.8  | 913.9  | 907.6  | 896.7  | 886.7  | 877.7  | 868.6  | 861.4  | 858.7 |
| 7.5°  | 941.9  | 938.3  | 937.4  | 934.7  | 926.6  | 910.3  | 895.8  | 881.3  | 868.6  | 858.7  | 854.2 |
| 10°   | 979.0  | 979.0  | 973.6  | 970.0  | 960.9  | 939.2  | 918.4  | 899.4  | 882.2  | 871.4  | 868.6 |
| 12.5° | 1026.1 | 1026.1 | 1021.6 | 1018.9 | 1008.0 | 979.9  | 954.6  | 932.0  | 915.7  | 904.8  | 903.9 |
| 15°   | 1075.0 | 1074.0 | 1070.4 | 1066.8 | 1055.0 | 1025.2 | 999.8  | 979.9  | 966.4  | 953.7  | 950.1 |
| 17.5° | 1118.4 | 1118.4 | 1113.9 | 1110.2 | 1098.5 | 1073.1 | 1050.5 | 1036.0 | 1020.7 | 994.4  | 974.5 |
| 20°   | 1161.8 | 1162.7 | 1159.1 | 1155.5 | 1145.5 | 1123.8 | 1113.9 | 1099.4 | 1065.0 | 1008.0 | 960.9 |
| 22.5° | 1209.8 | 1213.4 | 1208.9 | 1205.2 | 1197.1 | 1188.1 | 1184.4 | 1150.1 | 1077.7 | 986.3  | 917.5 |
| 25°   | 1271.3 | 1277.6 | 1272.2 | 1270.4 | 1265.9 | 1268.6 | 1257.7 | 1178.1 | 1059.6 | 939.2  | 853.3 |
| 27.5° | 1355.5 | 1355.5 | 1356.4 | 1356.4 | 1354.5 | 1364.5 | 1324.7 | 1179.0 | 1019.8 | 878.6  | 776.4 |
| 30°   | 1454.1 | 1459.5 | 1457.7 | 1457.7 | 1464.9 | 1471.3 | 1361.8 | 1159.1 | 969.1  | 803.5  | 682.3 |
| 32.5° | 1572.6 | 1577.1 | 1578.9 | 1570.8 | 1599.8 | 1567.2 | 1375.4 | 1122.9 | 906.7  | 710.3  | 570.1 |
| 35°   | 1715.6 | 1721.9 | 1726.4 | 1727.3 | 1746.3 | 1650.4 | 1368.1 | 1069.5 | 817.1  | 593.6  | 447.0 |
| 37.5° | 1902.0 | 1914.6 | 1924.6 | 1929.1 | 1930.0 | 1721.0 | 1348.2 | 998.9  | 700.3  | 463.3  | 333.0 |
| 40°   | 2149.9 | 2163.5 | 2160.8 | 2169.8 | 2118.2 | 1762.6 | 1303.0 | 896.7  | 555.6  | 340.2  | 257.0 |
| 42.5° | 2388.8 | 2390.6 | 2394.2 | 2386.1 | 2281.1 | 1784.3 | 1239.6 | 771.8  | 416.2  | 254.3  | 219.9 |
| 45°   | 2655.7 | 2640.3 | 2623.1 | 2610.5 | 2431.3 | 1792.5 | 1152.8 | 619.8  | 294.1  | 213.5  | 203.6 |
| 47.5° | 2906.4 | 2885.5 | 2850.3 | 2814.1 | 2565.2 | 1779.8 | 1041.5 | 464.2  | 223.5  | 195.4  | 192.7 |
| 50°   | 3152.5 | 3113.6 | 3063.8 | 3022.2 | 2693.7 | 1760.8 | 918.4  | 334.8  | 195.4  | 186.4  | 183.7 |
| 52.5° | 3457.4 | 3392.3 | 3327.1 | 3272.8 | 2861.1 | 1731.0 | 789.0  | 254.3  | 183.7  | 179.2  | 175.5 |
| 55°   | 3875.4 | 3785.0 | 3680.0 | 3604.0 | 3088.2 | 1685.7 | 653.3  | 215.4  | 178.3  | 174.6  | 169.2 |
| 57.5° | 4454.5 | 4318.8 | 4200.3 | 4076.3 | 3398.6 | 1639.6 | 536.6  | 200.0  | 177.3  | 171.9  | 164.7 |
| 60°   | 5046.3 | 4883.4 | 4732.3 | 4555.0 | 3715.3 | 1593.4 | 455.1  | 198.2  | 180.1  | 171.9  | 161.1 |
| 62.5° | 5353.9 | 5185.6 | 5003.8 | 4823.7 | 3851.9 | 1484.8 | 399.0  | 200.9  | 186.4  | 174.6  | 161.1 |
| 65°   | 5283.4 | 5078.0 | 4893.4 | 4709.7 | 3693.6 | 1279.4 | 337.5  | 204.5  | 199.1  | 185.5  | 163.8 |
| 67°   | 4928.7 | 4714.2 | 4536.9 | 4361.3 | 3340.7 | 1071.3 | 289.5  | 208.1  | 212.6  | 198.2  | 169.2 |
| 67.5° | 4803.8 | 4589.4 | 4414.7 | 4243.7 | 3236.6 | 1027.9 | 277.8  | 209.9  | 215.4  | 201.8  | 171.0 |
| 70°   | 3983.1 | 3825.7 | 3640.2 | 3508.1 | 2620.4 | 761.0  | 228.0  | 213.5  | 231.6  | 222.6  | 179.2 |
| 72.5° | 2866.5 | 2716.3 | 2577.0 | 2503.7 | 1930.0 | 532.0  | 191.8  | 209.9  | 241.6  | 234.4  | 182.8 |
| 75°   | 1523.8 | 1514.7 | 1464.0 | 1500.2 | 1194.4 | 347.5  | 169.2  | 196.4  | 230.7  | 214.4  | 170.1 |
| 77.5° | 307.6  | 316.7  | 371.9  | 366.5  | 385.5  | 193.6  | 144.8  | 168.3  | 178.3  | 157.4  | 138.4 |
| 80°   | 143.0  | 140.3  | 137.5  | 139.3  | 136.6  | 124.0  | 117.6  | 132.1  | 124.0  | 101.3  | 92.3  |
| 82.5° | 88.7   | 86.9   | 84.2   | 83.2   | 92.3   | 98.6   | 103.2  | 104.1  | 82.3   | 70.6   | 67.9  |
| 85°   | 42.5   | 42.5   | 41.6   | 43.4   | 54.3   | 80.5   | 86.9   | 76.9   | 55.2   | 50.7   | 48.0  |
| 87.5° | 8.1    | 8.1    | 9.0    | 8.1    | 10.9   | 19.0   | 21.7   | 25.3   | 20.8   | 21.7   | 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):**

|       | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|
| 0°    | 900.3 | 900.3 | 900.3 |
| 2.5°  | 873.2 | 871.4 | 871.4 |
| 5°    | 855.1 | 854.2 | 854.2 |
| 7.5°  | 850.6 | 851.5 | 850.6 |
| 10°   | 867.7 | 866.8 | 870.5 |
| 12.5° | 905.7 | 908.5 | 907.6 |
| 15°   | 945.6 | 947.4 | 947.4 |
| 17.5° | 957.3 | 951.0 | 950.1 |
| 20°   | 926.6 | 914.8 | 912.1 |
| 22.5° | 868.6 | 846.9 | 847.8 |
| 25°   | 795.4 | 769.1 | 770.9 |
| 27.5° | 710.3 | 682.3 | 681.3 |
| 30°   | 608.1 | 577.3 | 561.9 |
| 32.5° | 485.0 | 447.9 | 447.9 |
| 35°   | 364.7 | 334.8 | 323.9 |
| 37.5° | 276.9 | 259.7 | 254.3 |
| 40°   | 230.7 | 222.6 | 220.8 |
| 42.5° | 209.9 | 207.2 | 206.3 |
| 45°   | 199.1 | 197.3 | 196.4 |
| 47.5° | 189.1 | 188.2 | 187.3 |
| 50°   | 181.9 | 181.0 | 180.1 |
| 52.5° | 175.5 | 173.7 | 172.8 |
| 55°   | 166.5 | 166.5 | 166.5 |
| 57.5° | 161.1 | 161.1 | 160.2 |
| 60°   | 155.6 | 154.7 | 154.7 |
| 62.5° | 151.1 | 149.3 | 150.2 |
| 65°   | 148.4 | 145.7 | 145.7 |
| 67°   | 146.6 | 141.2 | 141.2 |
| 67.5° | 146.6 | 139.3 | 139.3 |
| 70°   | 143.9 | 132.1 | 130.3 |
| 72.5° | 141.2 | 124.0 | 121.2 |
| 75°   | 133.9 | 117.6 | 114.9 |
| 77.5° | 114.9 | 105.0 | 103.2 |
| 80°   | 88.7  | 76.9  | 78.7  |
| 82.5° | 64.2  | 55.2  | 54.3  |
| 85°   | 46.1  | 39.8  | 39.8  |
| 87.5° | 24.4  | 20.8  | 21.7  |
| 90°   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)