

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: P181513

Luminaire Tested: **ICS-F04-LED-E1-T3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181513  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
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-T3-7030  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (28) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8371.4 lumens  
Efficiency: N/A  
Efficacy: 81.9 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: B3 - U0 - G3

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

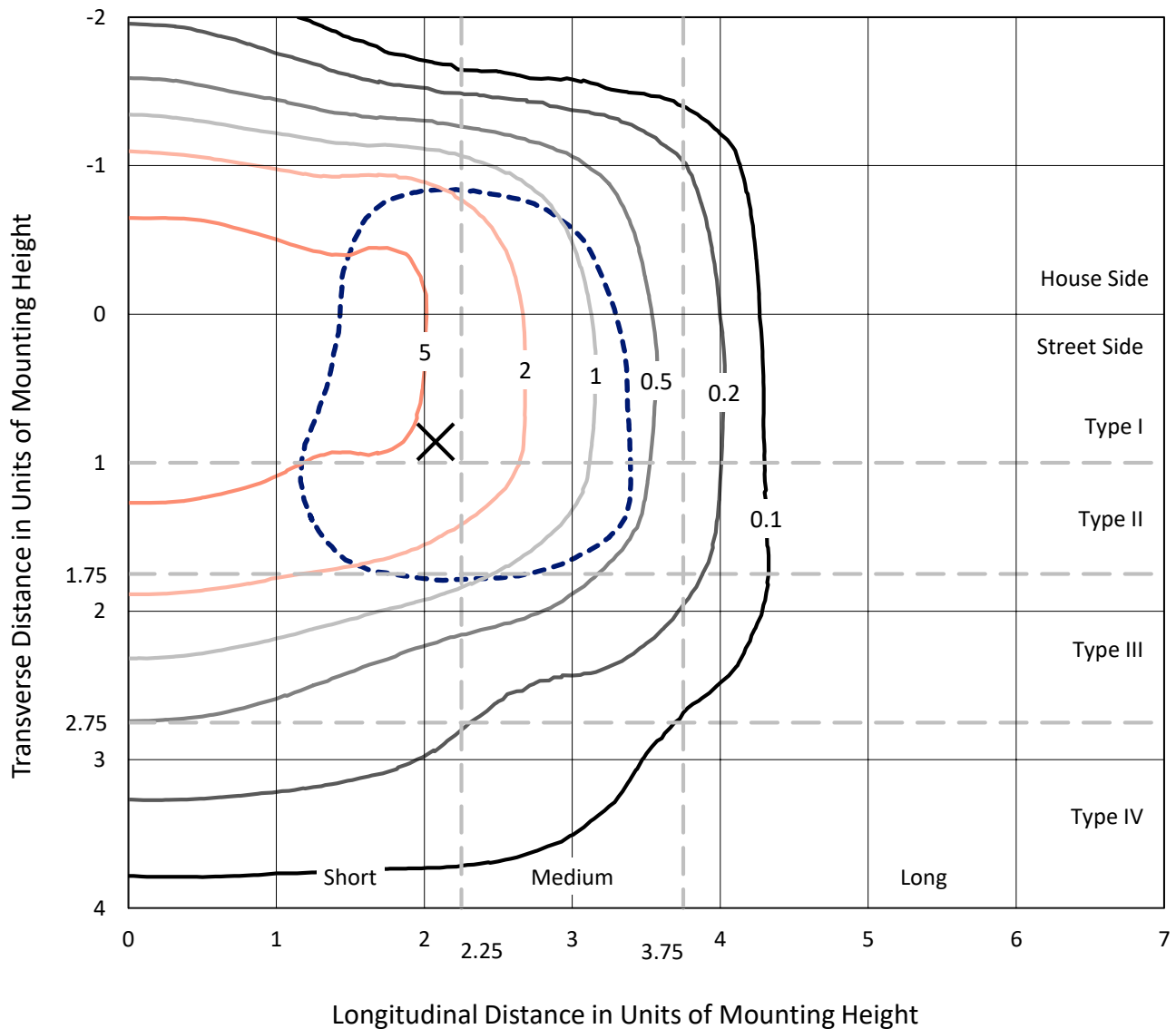


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

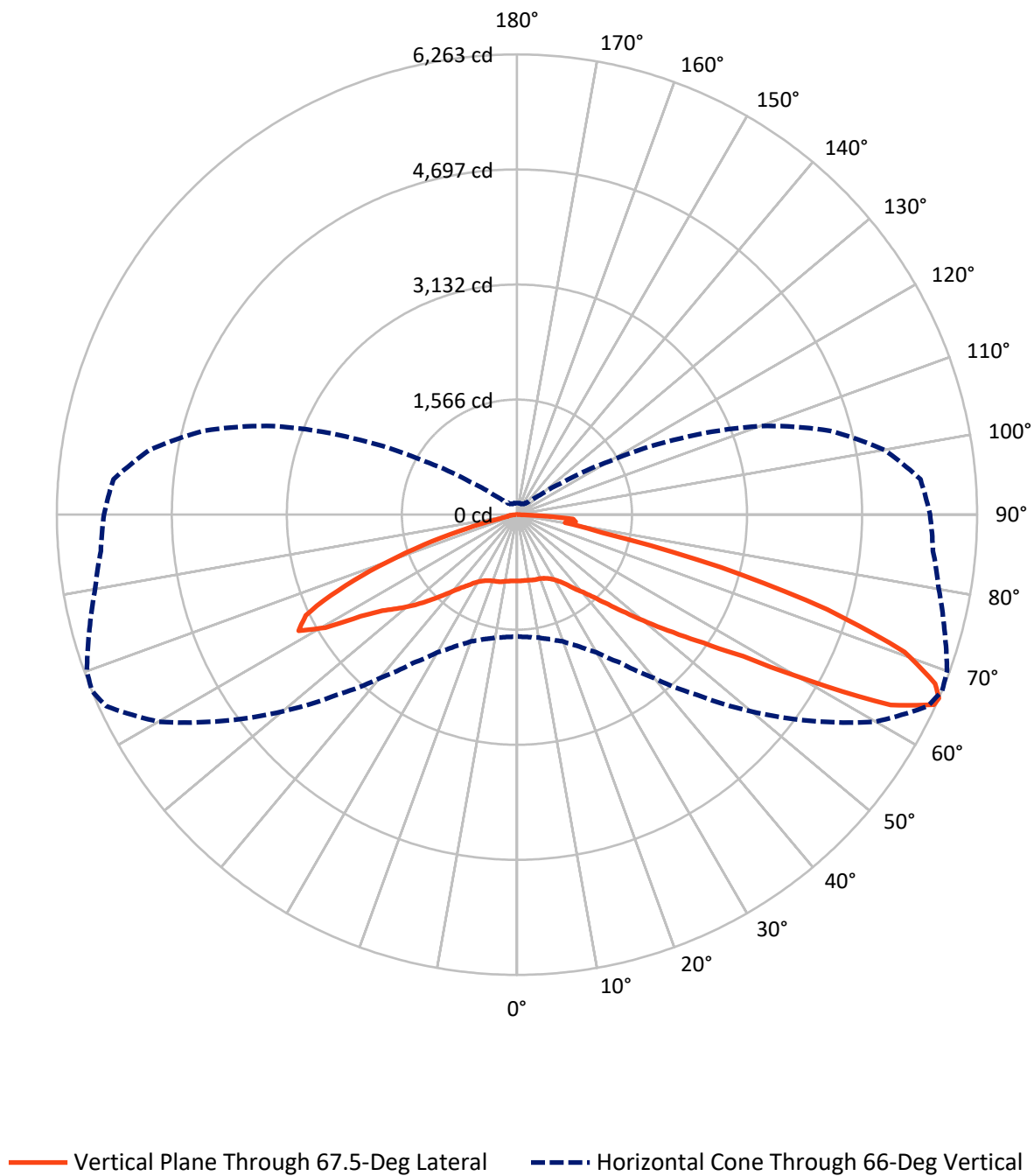


Based on 10 foot mounting height. Maximum calculated value = 9 fc  
Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2890.9   | 0.0    | 2890.9 |
|                    | % Fixture | 34.5     | 0.0    | 34.5   |
| <b>Street Side</b> | Lumens    | 5480.5   | 0.0    | 5480.5 |
|                    | % Fixture | 65.5     | 0.0    | 65.5   |
| <b>Total</b>       | Lumens    | 8371.4   | 0.0    | 8371.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.4   | 1.0       |
| 10°-20°   | 255.0  | 3.0       |
| 20°-30°   | 438.3  | 5.2       |
| 30°-40°   | 711.6  | 8.5       |
| 40°-50°   | 1188.0 | 14.2      |
| 50°-60°   | 1870.7 | 22.3      |
| 60°-70°   | 2551.0 | 30.5      |
| 70°-80°   | 1104.3 | 13.2      |
| 80°-90°   | 166.0  | 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°    | 8371.4 | 100.0     |
| 0°-180°   | 8371.4 | 100.0     |

**Coefficient of Utilization**



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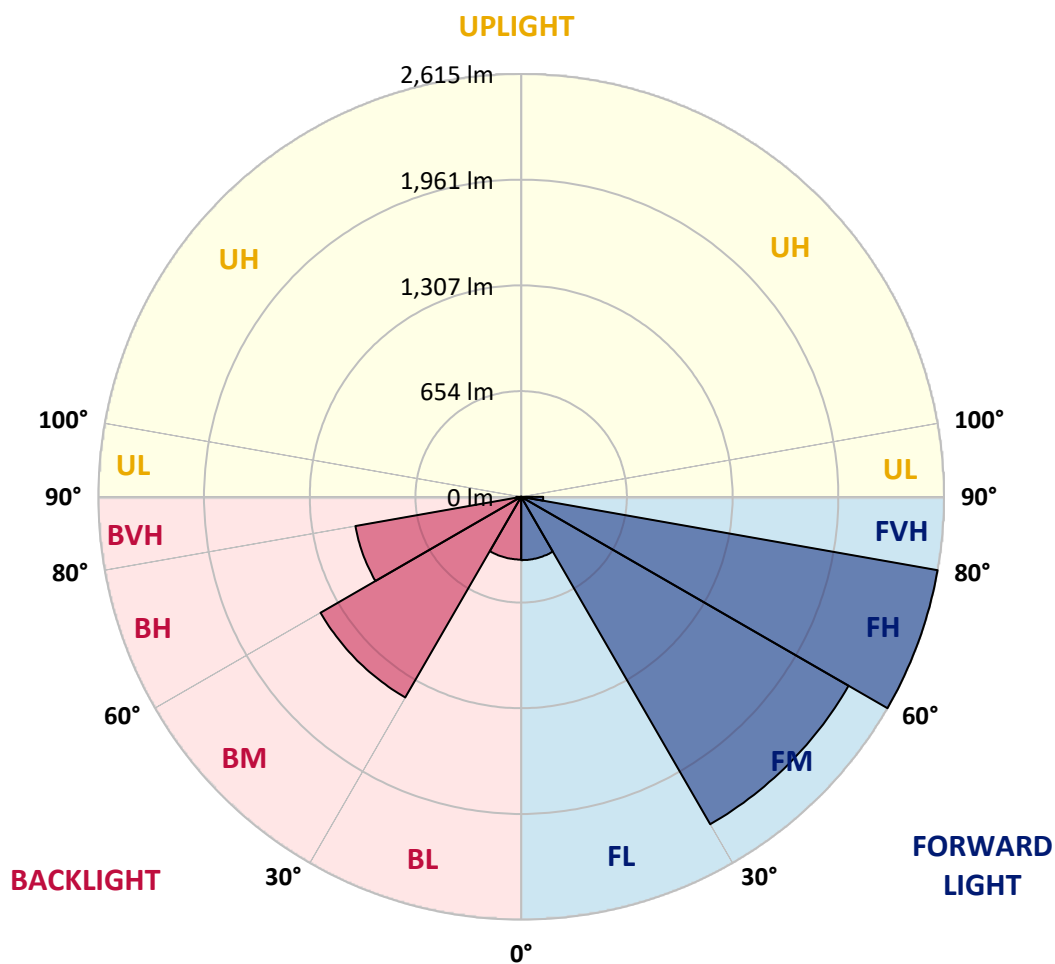
CATALOG NUMBER: ICS-F04-LED-E1-T3-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 391.6  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 2337.8 | 27.9      |                         |      |         |
| FH   | (60°-80°)   | 2614.7 | 31.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 136.3  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 388.1  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1432.6 | 17.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1040.6 | 12.4      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 29.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  |
| 2.5°  | 905.7  | 909.4  | 905.7  | 906.7  | 907.6  | 906.7  | 905.7  | 905.7  | 903.0  | 904.8  | 906.7  |
| 5°    | 902.1  | 904.8  | 903.9  | 904.8  | 905.7  | 904.8  | 903.9  | 904.8  | 903.0  | 903.9  | 906.7  |
| 7.5°  | 897.6  | 896.7  | 897.6  | 899.4  | 901.2  | 901.2  | 901.2  | 902.1  | 901.2  | 901.2  | 903.9  |
| 10°   | 884.0  | 884.9  | 886.7  | 889.5  | 890.4  | 893.1  | 893.1  | 895.8  | 896.7  | 898.5  | 902.1  |
| 12.5° | 866.8  | 867.7  | 869.6  | 871.4  | 875.9  | 880.4  | 880.4  | 886.7  | 889.5  | 894.0  | 900.3  |
| 15°   | 854.2  | 855.1  | 856.9  | 858.7  | 862.3  | 866.8  | 869.6  | 876.8  | 881.3  | 889.5  | 898.5  |
| 17.5° | 861.4  | 860.5  | 862.3  | 863.2  | 863.2  | 866.8  | 866.8  | 872.3  | 877.7  | 884.9  | 896.7  |
| 20°   | 882.2  | 882.2  | 884.0  | 884.0  | 883.1  | 884.9  | 881.3  | 881.3  | 882.2  | 885.8  | 894.0  |
| 22.5° | 903.0  | 902.1  | 905.7  | 907.6  | 908.5  | 911.2  | 907.6  | 906.7  | 902.1  | 899.4  | 902.1  |
| 25°   | 922.9  | 922.0  | 926.6  | 929.3  | 933.8  | 936.5  | 936.5  | 936.5  | 932.9  | 928.4  | 925.7  |
| 27.5° | 953.7  | 953.7  | 958.2  | 960.9  | 964.6  | 970.0  | 972.7  | 972.7  | 973.6  | 967.3  | 962.8  |
| 30°   | 1005.3 | 1006.2 | 1007.1 | 1010.7 | 1014.3 | 1016.1 | 1019.8 | 1022.5 | 1025.2 | 1021.6 | 1014.3 |
| 32.5° | 1066.8 | 1061.4 | 1061.4 | 1066.8 | 1071.3 | 1076.8 | 1078.6 | 1082.2 | 1087.6 | 1084.9 | 1084.0 |
| 35°   | 1140.1 | 1138.3 | 1136.5 | 1138.3 | 1143.7 | 1150.1 | 1157.3 | 1163.6 | 1160.0 | 1165.4 | 1162.7 |
| 37.5° | 1248.7 | 1250.5 | 1251.4 | 1251.4 | 1250.5 | 1252.3 | 1255.9 | 1262.3 | 1260.4 | 1262.3 | 1265.9 |
| 40°   | 1427.8 | 1421.5 | 1415.2 | 1416.1 | 1407.0 | 1408.8 | 1394.4 | 1400.7 | 1401.6 | 1395.3 | 1398.0 |
| 42.5° | 1607.0 | 1610.6 | 1613.3 | 1620.6 | 1614.2 | 1610.6 | 1597.0 | 1597.0 | 1589.8 | 1583.5 | 1581.7 |
| 45°   | 1800.6 | 1807.9 | 1808.8 | 1823.3 | 1817.8 | 1829.6 | 1839.5 | 1836.8 | 1825.1 | 1824.2 | 1811.5 |
| 47.5° | 1955.4 | 1967.1 | 1979.8 | 1997.0 | 2010.6 | 2036.8 | 2067.6 | 2082.9 | 2092.0 | 2099.2 | 2084.8 |
| 50°   | 2071.2 | 2076.6 | 2109.2 | 2136.3 | 2166.2 | 2209.6 | 2252.2 | 2307.3 | 2351.7 | 2372.5 | 2392.4 |
| 52.5° | 2133.6 | 2147.2 | 2182.5 | 2225.0 | 2277.5 | 2342.6 | 2411.4 | 2499.2 | 2575.2 | 2625.8 | 2671.1 |
| 55°   | 2147.2 | 2160.8 | 2200.6 | 2254.9 | 2326.3 | 2414.1 | 2512.7 | 2632.2 | 2746.2 | 2843.9 | 2938.9 |
| 57.5° | 2109.2 | 2124.6 | 2167.1 | 2229.5 | 2313.7 | 2420.5 | 2544.4 | 2701.0 | 2858.4 | 3016.7 | 3157.0 |
| 60°   | 2039.5 | 2058.5 | 2097.4 | 2159.0 | 2252.2 | 2372.5 | 2520.9 | 2717.2 | 2938.0 | 3180.5 | 3449.3 |
| 62.5° | 1924.6 | 1944.5 | 1980.7 | 2048.6 | 2144.5 | 2277.5 | 2449.4 | 2693.7 | 3005.9 | 3387.7 | 3864.6 |
| 65°   | 1740.0 | 1749.1 | 1793.4 | 1862.2 | 1947.2 | 2093.8 | 2282.9 | 2577.9 | 2984.2 | 3515.3 | 4172.2 |
| 66°   | 1656.8 | 1672.1 | 1699.3 | 1754.5 | 1835.9 | 1973.5 | 2163.5 | 2463.0 | 2901.8 | 3471.0 | 4164.1 |
| 67.5° | 1526.5 | 1538.2 | 1556.3 | 1593.4 | 1643.2 | 1744.5 | 1924.6 | 2207.8 | 2650.3 | 3246.6 | 3991.3 |
| 70°   | 1234.2 | 1239.6 | 1264.1 | 1276.7 | 1293.9 | 1327.4 | 1392.6 | 1555.4 | 1900.2 | 2460.3 | 3221.2 |
| 72.5° | 841.5  | 856.9  | 883.1  | 919.3  | 966.4  | 1011.6 | 1042.4 | 1063.2 | 1137.4 | 1467.7 | 2146.3 |
| 75°   | 617.1  | 633.4  | 666.9  | 714.8  | 797.2  | 891.3  | 989.0  | 1034.2 | 1003.5 | 960.9  | 1195.3 |
| 77.5° | 358.3  | 380.0  | 408.1  | 454.2  | 530.2  | 655.1  | 822.5  | 970.9  | 1071.3 | 1077.7 | 1023.4 |
| 80°   | 151.1  | 153.8  | 171.0  | 194.5  | 241.6  | 329.4  | 459.7  | 673.2  | 895.8  | 1046.0 | 1081.3 |
| 82.5° | 34.4   | 42.5   | 54.3   | 64.2   | 78.7   | 108.6  | 161.1  | 267.8  | 484.1  | 759.2  | 989.9  |
| 85°   | 12.7   | 12.7   | 17.2   | 25.3   | 29.0   | 32.6   | 42.5   | 67.9   | 115.8  | 213.5  | 445.2  |
| 87.5° | 0.0    | 0.9    | 1.8    | 1.8    | 3.6    | 4.5    | 7.2    | 10.0   | 9.0    | 8.1    | 27.1   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  |
| 2.5°  | 904.8  | 903.9  | 902.1  | 902.1  | 902.1  | 902.1  | 900.3  | 901.2  | 899.4  | 900.3  | 900.3  |
| 5°    | 903.9  | 903.9  | 903.0  | 901.2  | 902.1  | 902.1  | 903.0  | 901.2  | 901.2  | 902.1  | 901.2  |
| 7.5°  | 903.9  | 903.0  | 903.0  | 903.0  | 903.9  | 903.0  | 903.9  | 903.9  | 903.9  | 904.8  | 904.8  |
| 10°   | 903.9  | 903.9  | 905.7  | 906.7  | 906.7  | 907.6  | 910.3  | 910.3  | 911.2  | 912.1  | 913.9  |
| 12.5° | 904.8  | 908.5  | 911.2  | 913.9  | 914.8  | 916.6  | 921.1  | 921.1  | 922.9  | 925.7  | 926.6  |
| 15°   | 905.7  | 911.2  | 916.6  | 918.4  | 920.2  | 923.8  | 928.4  | 930.2  | 932.9  | 935.6  | 937.4  |
| 17.5° | 904.8  | 912.1  | 918.4  | 921.1  | 923.8  | 928.4  | 933.8  | 935.6  | 939.2  | 942.8  | 946.5  |
| 20°   | 903.9  | 913.9  | 923.8  | 927.5  | 931.1  | 937.4  | 944.7  | 949.2  | 952.8  | 958.2  | 961.8  |
| 22.5° | 909.4  | 921.1  | 934.7  | 940.1  | 946.5  | 954.6  | 964.6  | 970.0  | 974.5  | 979.9  | 982.7  |
| 25°   | 926.6  | 935.6  | 951.9  | 960.9  | 969.1  | 982.7  | 996.2  | 1002.6 | 1008.0 | 1012.5 | 1013.4 |
| 27.5° | 955.5  | 958.2  | 978.1  | 989.9  | 1001.7 | 1023.4 | 1039.7 | 1044.2 | 1054.1 | 1057.8 | 1056.9 |
| 30°   | 1002.6 | 998.0  | 1014.3 | 1032.4 | 1049.6 | 1079.5 | 1099.4 | 1111.1 | 1120.2 | 1120.2 | 1113.0 |
| 32.5° | 1070.4 | 1063.2 | 1067.7 | 1088.5 | 1108.4 | 1151.9 | 1175.4 | 1190.8 | 1197.1 | 1195.3 | 1179.9 |
| 35°   | 1159.1 | 1154.6 | 1151.9 | 1168.2 | 1199.8 | 1250.5 | 1281.3 | 1289.4 | 1299.4 | 1297.5 | 1277.6 |
| 37.5° | 1264.1 | 1260.4 | 1260.4 | 1279.4 | 1310.2 | 1385.3 | 1418.8 | 1424.2 | 1423.3 | 1408.8 | 1371.7 |
| 40°   | 1388.0 | 1386.2 | 1378.1 | 1388.9 | 1415.2 | 1512.9 | 1558.1 | 1565.4 | 1555.4 | 1531.9 | 1488.5 |
| 42.5° | 1566.3 | 1555.4 | 1530.1 | 1536.4 | 1556.3 | 1651.3 | 1710.2 | 1730.1 | 1720.1 | 1696.6 | 1626.0 |
| 45°   | 1798.8 | 1787.1 | 1744.5 | 1739.1 | 1750.0 | 1833.2 | 1909.2 | 1913.7 | 1911.9 | 1882.1 | 1798.8 |
| 47.5° | 2072.1 | 2054.0 | 2008.7 | 1994.3 | 1990.7 | 2067.6 | 2140.9 | 2148.1 | 2143.6 | 2099.2 | 1987.9 |
| 50°   | 2368.0 | 2341.7 | 2311.9 | 2301.9 | 2287.4 | 2342.6 | 2416.8 | 2417.7 | 2399.6 | 2338.1 | 2234.1 |
| 52.5° | 2683.8 | 2674.7 | 2669.3 | 2659.3 | 2653.0 | 2701.0 | 2746.2 | 2719.0 | 2691.9 | 2627.7 | 2537.2 |
| 55°   | 3002.3 | 3039.4 | 3077.4 | 3081.0 | 3091.8 | 3143.4 | 3142.5 | 3068.3 | 3048.4 | 3013.1 | 2923.5 |
| 57.5° | 3340.7 | 3478.2 | 3597.6 | 3634.7 | 3670.9 | 3766.9 | 3757.8 | 3684.5 | 3659.2 | 3615.7 | 3541.5 |
| 60°   | 3801.2 | 4172.2 | 4517.0 | 4599.3 | 4656.3 | 4771.2 | 4760.4 | 4647.3 | 4699.7 | 4696.1 | 4600.2 |
| 62.5° | 4446.4 | 5063.5 | 5580.2 | 5706.8 | 5746.6 | 5759.3 | 5690.5 | 5568.4 | 5620.0 | 5677.9 | 5382.9 |
| 65°   | 4883.4 | 5609.1 | 6139.3 | 6237.1 | 6242.5 | 6091.4 | 5938.5 | 5794.6 | 5781.9 | 5732.2 | 5310.5 |
| 66°   | 4893.4 | 5636.3 | 6168.3 | 6263.3 | 6229.8 | 6023.5 | 5829.9 | 5685.1 | 5622.7 | 5513.2 | 5076.2 |
| 67.5° | 4717.8 | 5467.1 | 6039.8 | 6140.3 | 6067.0 | 5774.7 | 5507.8 | 5321.4 | 5199.2 | 5021.9 | 4636.4 |
| 70°   | 3962.3 | 4705.2 | 5411.0 | 5598.3 | 5621.8 | 5185.6 | 4815.6 | 4596.6 | 4431.9 | 4188.5 | 3856.4 |
| 72.5° | 2946.2 | 3617.6 | 4240.1 | 4419.2 | 4510.6 | 4162.3 | 3850.1 | 3683.6 | 3458.3 | 3202.2 | 2966.1 |
| 75°   | 1846.8 | 2320.9 | 2738.1 | 2863.8 | 2777.9 | 2508.2 | 2320.9 | 2251.2 | 2029.6 | 1876.6 | 1769.0 |
| 77.5° | 1055.9 | 1204.3 | 1237.8 | 1189.9 | 1088.5 | 833.4  | 592.7  | 438.8  | 380.9  | 421.7  | 465.1  |
| 80°   | 1030.6 | 944.7  | 752.8  | 662.3  | 599.9  | 412.6  | 242.5  | 166.5  | 138.4  | 142.1  | 153.8  |
| 82.5° | 1116.6 | 1198.0 | 986.3  | 804.4  | 675.0  | 456.0  | 251.5  | 133.9  | 90.5   | 106.8  | 120.3  |
| 85°   | 725.7  | 1009.8 | 909.4  | 766.4  | 620.7  | 390.0  | 207.2  | 69.7   | 46.1   | 60.6   | 83.2   |
| 87.5° | 73.3   | 80.5   | 68.8   | 93.2   | 69.7   | 32.6   | 16.3   | 10.0   | 9.0    | 10.9   | 16.3   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°  | 155°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1  | 902.1 | 902.1 |
| 2.5°  | 901.2  | 901.2  | 902.1  | 903.0  | 903.9  | 904.8  | 904.8  | 904.8  | 904.8  | 906.7 | 905.7 |
| 5°    | 903.0  | 904.8  | 906.7  | 907.6  | 909.4  | 909.4  | 912.1  | 911.2  | 911.2  | 913.9 | 914.8 |
| 7.5°  | 906.7  | 909.4  | 913.0  | 912.1  | 915.7  | 914.8  | 916.6  | 916.6  | 913.9  | 914.8 | 913.0 |
| 10°   | 914.8  | 918.4  | 920.2  | 917.5  | 918.4  | 914.8  | 913.9  | 909.4  | 903.9  | 901.2 | 897.6 |
| 12.5° | 928.4  | 932.0  | 932.0  | 927.5  | 922.0  | 913.9  | 907.6  | 897.6  | 889.5  | 884.9 | 880.4 |
| 15°   | 940.1  | 943.7  | 942.8  | 935.6  | 927.5  | 914.8  | 905.7  | 894.0  | 882.2  | 875.0 | 870.5 |
| 17.5° | 949.2  | 951.0  | 948.3  | 938.3  | 929.3  | 917.5  | 908.5  | 895.8  | 882.2  | 873.2 | 865.0 |
| 20°   | 962.8  | 960.9  | 954.6  | 941.9  | 932.0  | 921.1  | 913.9  | 903.0  | 887.6  | 875.9 | 864.1 |
| 22.5° | 982.7  | 975.4  | 963.7  | 950.1  | 940.1  | 930.2  | 922.9  | 911.2  | 895.8  | 881.3 | 867.7 |
| 25°   | 1008.9 | 994.4  | 978.1  | 963.7  | 954.6  | 943.7  | 935.6  | 922.9  | 906.7  | 890.4 | 874.1 |
| 27.5° | 1046.9 | 1021.6 | 1000.8 | 988.1  | 978.1  | 964.6  | 954.6  | 938.3  | 921.1  | 902.1 | 884.0 |
| 30°   | 1089.4 | 1055.0 | 1035.1 | 1025.2 | 1014.3 | 999.8  | 984.5  | 963.7  | 943.7  | 922.9 | 901.2 |
| 32.5° | 1144.6 | 1103.0 | 1084.0 | 1074.0 | 1059.6 | 1041.5 | 1023.4 | 999.8  | 971.8  | 944.7 | 918.4 |
| 35°   | 1217.0 | 1174.5 | 1154.6 | 1139.2 | 1119.3 | 1095.8 | 1069.5 | 1037.9 | 999.8  | 963.7 | 930.2 |
| 37.5° | 1294.8 | 1248.7 | 1229.7 | 1213.4 | 1183.5 | 1152.8 | 1115.7 | 1069.5 | 1017.9 | 970.0 | 928.4 |
| 40°   | 1393.5 | 1350.9 | 1326.5 | 1298.4 | 1263.2 | 1209.8 | 1151.9 | 1084.9 | 1018.9 | 960.0 | 911.2 |
| 42.5° | 1518.3 | 1475.8 | 1439.6 | 1395.3 | 1333.7 | 1251.4 | 1169.1 | 1082.2 | 1002.6 | 935.6 | 883.1 |
| 45°   | 1683.9 | 1632.3 | 1569.9 | 1492.1 | 1392.6 | 1277.6 | 1170.0 | 1065.0 | 971.8  | 897.6 | 841.5 |
| 47.5° | 1886.6 | 1807.9 | 1705.6 | 1574.4 | 1431.5 | 1284.9 | 1155.5 | 1030.6 | 923.8  | 843.3 | 780.9 |
| 50°   | 2127.3 | 2003.3 | 1835.0 | 1642.3 | 1451.4 | 1274.0 | 1119.3 | 979.0  | 856.0  | 770.0 | 695.8 |
| 52.5° | 2402.4 | 2199.7 | 1951.7 | 1691.1 | 1450.5 | 1237.8 | 1057.8 | 901.2  | 767.3  | 671.4 | 600.8 |
| 55°   | 2725.4 | 2424.1 | 2072.1 | 1727.3 | 1425.1 | 1170.9 | 963.7  | 791.7  | 657.8  | 569.1 | 504.0 |
| 57.5° | 3198.6 | 2787.8 | 2282.0 | 1783.4 | 1374.5 | 1067.7 | 836.1  | 660.5  | 542.9  | 458.8 | 403.6 |
| 60°   | 4063.6 | 3395.0 | 2660.2 | 1896.5 | 1296.6 | 916.6  | 686.8  | 520.3  | 421.7  | 353.8 | 316.7 |
| 62.5° | 4715.1 | 3864.6 | 2864.7 | 1871.2 | 1140.1 | 730.2  | 509.4  | 379.1  | 310.4  | 264.2 | 240.7 |
| 65°   | 4621.9 | 3718.9 | 2646.7 | 1611.5 | 894.0  | 514.9  | 338.4  | 257.9  | 213.5  | 191.8 | 178.3 |
| 66°   | 4411.1 | 3528.9 | 2457.5 | 1450.5 | 772.7  | 428.0  | 278.7  | 216.3  | 183.7  | 168.3 | 159.3 |
| 67.5° | 4011.2 | 3176.0 | 2119.1 | 1189.0 | 593.6  | 310.4  | 209.9  | 171.0  | 149.3  | 143.0 | 136.6 |
| 70°   | 3334.3 | 2532.7 | 1487.6 | 692.2  | 303.1  | 172.8  | 133.0  | 119.4  | 114.0  | 113.1 | 111.3 |
| 72.5° | 2555.3 | 1792.5 | 875.9  | 327.6  | 157.4  | 114.9  | 103.2  | 98.6   | 96.8   | 96.8  | 97.7  |
| 75°   | 1566.3 | 1007.1 | 387.3  | 160.2  | 110.4  | 96.8   | 91.4   | 89.6   | 88.7   | 89.6  | 88.7  |
| 77.5° | 523.0  | 320.3  | 165.6  | 121.2  | 100.4  | 89.6   | 86.0   | 84.2   | 84.2   | 84.2  | 84.2  |
| 80°   | 160.2  | 139.3  | 126.7  | 112.2  | 95.0   | 85.1   | 79.6   | 78.7   | 79.6   | 80.5  | 77.8  |
| 82.5° | 120.3  | 114.0  | 106.8  | 99.5   | 86.0   | 76.0   | 74.2   | 74.2   | 74.2   | 71.5  | 67.9  |
| 85°   | 88.7   | 87.8   | 72.4   | 67.9   | 63.3   | 63.3   | 63.3   | 63.3   | 60.6   | 56.1  | 52.5  |
| 87.5° | 16.3   | 15.4   | 16.3   | 17.2   | 25.3   | 27.1   | 27.1   | 29.0   | 31.7   | 29.9  | 29.9  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 902.1 | 902.1 | 902.1 | 902.1 | 902.1 |
| 2.5°  | 905.7 | 904.8 | 907.6 | 905.7 | 906.7 |
| 5°    | 913.9 | 913.0 | 914.8 | 913.0 | 915.7 |
| 7.5°  | 911.2 | 909.4 | 908.5 | 909.4 | 910.3 |
| 10°   | 892.2 | 890.4 | 889.5 | 888.6 | 889.5 |
| 12.5° | 875.9 | 872.3 | 872.3 | 870.5 | 871.4 |
| 15°   | 864.1 | 861.4 | 860.5 | 858.7 | 859.6 |
| 17.5° | 858.7 | 854.2 | 852.4 | 850.6 | 850.6 |
| 20°   | 855.1 | 849.6 | 846.9 | 845.1 | 844.2 |
| 22.5° | 855.1 | 846.9 | 843.3 | 841.5 | 840.6 |
| 25°   | 858.7 | 848.7 | 843.3 | 840.6 | 839.7 |
| 27.5° | 865.9 | 853.3 | 846.9 | 843.3 | 843.3 |
| 30°   | 878.6 | 862.3 | 853.3 | 848.7 | 847.8 |
| 32.5° | 891.3 | 869.6 | 856.9 | 851.5 | 849.6 |
| 35°   | 897.6 | 869.6 | 854.2 | 845.1 | 843.3 |
| 37.5° | 890.4 | 857.8 | 838.8 | 825.2 | 822.5 |
| 40°   | 867.7 | 833.4 | 812.5 | 799.9 | 798.1 |
| 42.5° | 837.9 | 804.4 | 780.0 | 770.9 | 768.2 |
| 45°   | 797.2 | 757.4 | 732.9 | 720.3 | 721.2 |
| 47.5° | 727.5 | 686.8 | 665.1 | 653.3 | 655.1 |
| 50°   | 645.2 | 605.3 | 586.3 | 573.7 | 576.4 |
| 52.5° | 554.7 | 518.5 | 500.4 | 494.0 | 492.2 |
| 55°   | 459.7 | 431.6 | 418.9 | 411.7 | 409.0 |
| 57.5° | 372.8 | 352.9 | 343.8 | 334.8 | 335.7 |
| 60°   | 294.1 | 284.1 | 281.4 | 271.5 | 270.5 |
| 62.5° | 231.6 | 225.3 | 222.6 | 215.4 | 216.3 |
| 65°   | 175.5 | 173.7 | 175.5 | 171.0 | 172.8 |
| 66°   | 158.3 | 159.3 | 159.3 | 156.5 | 158.3 |
| 67.5° | 136.6 | 138.4 | 141.2 | 138.4 | 140.3 |
| 70°   | 113.1 | 114.9 | 116.7 | 116.7 | 116.7 |
| 72.5° | 98.6  | 100.4 | 101.3 | 101.3 | 101.3 |
| 75°   | 90.5  | 91.4  | 92.3  | 90.5  | 90.5  |
| 77.5° | 85.1  | 85.1  | 83.2  | 82.3  | 81.4  |
| 80°   | 76.9  | 76.0  | 73.3  | 71.5  | 71.5  |
| 82.5° | 64.2  | 62.4  | 60.6  | 57.9  | 57.9  |
| 85°   | 48.9  | 47.1  | 45.2  | 41.6  | 39.8  |
| 87.5° | 25.3  | 26.2  | 25.3  | 20.8  | 18.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)