

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: McGRAW-EDISON

Report Number: P144668

Luminaire Tested: **CNC-E02-LED-E1-RW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144668  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33700)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: CNC-E02-LED-E1-RW-8030  
Description: CONCISE LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5070.1 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

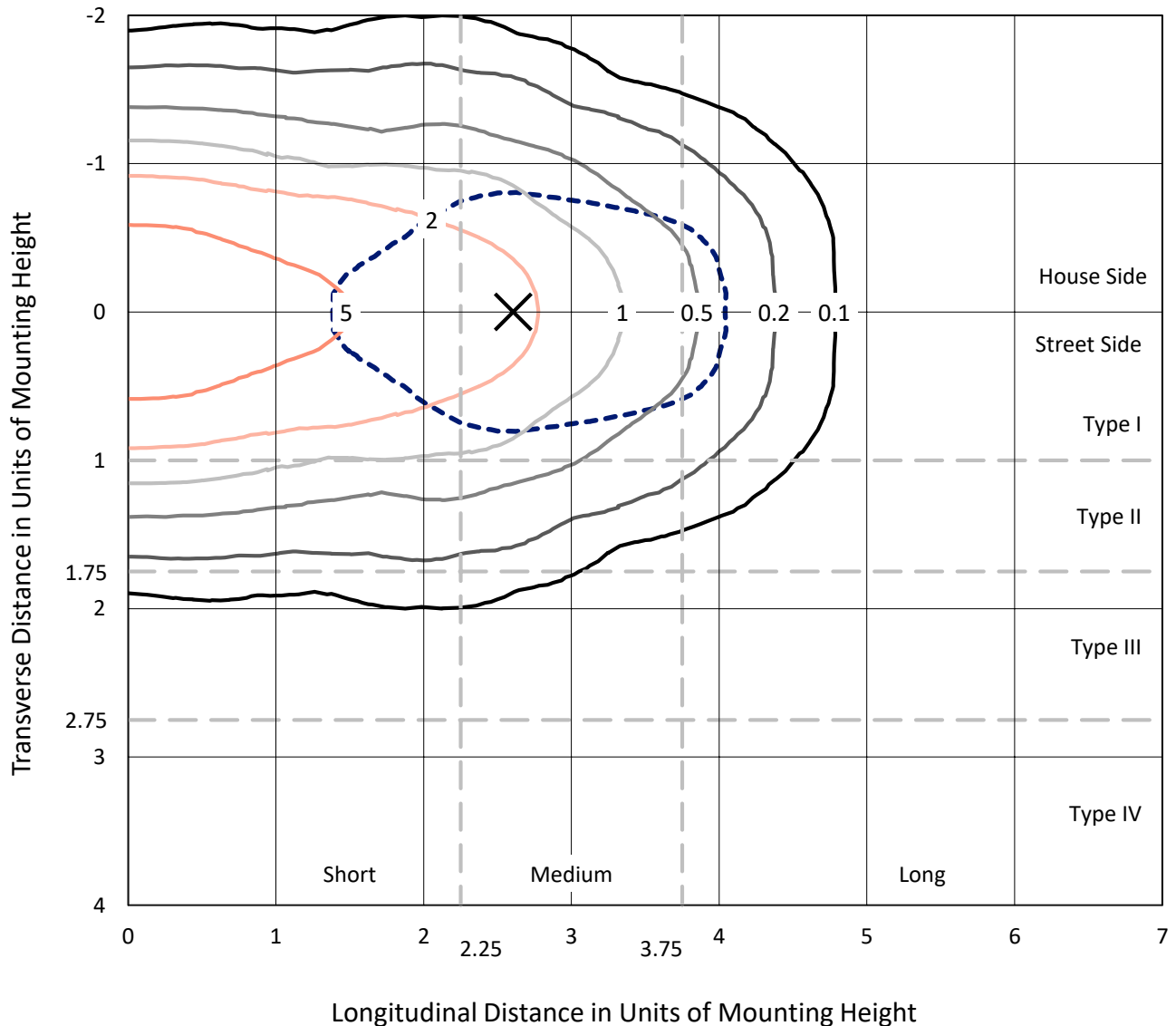
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

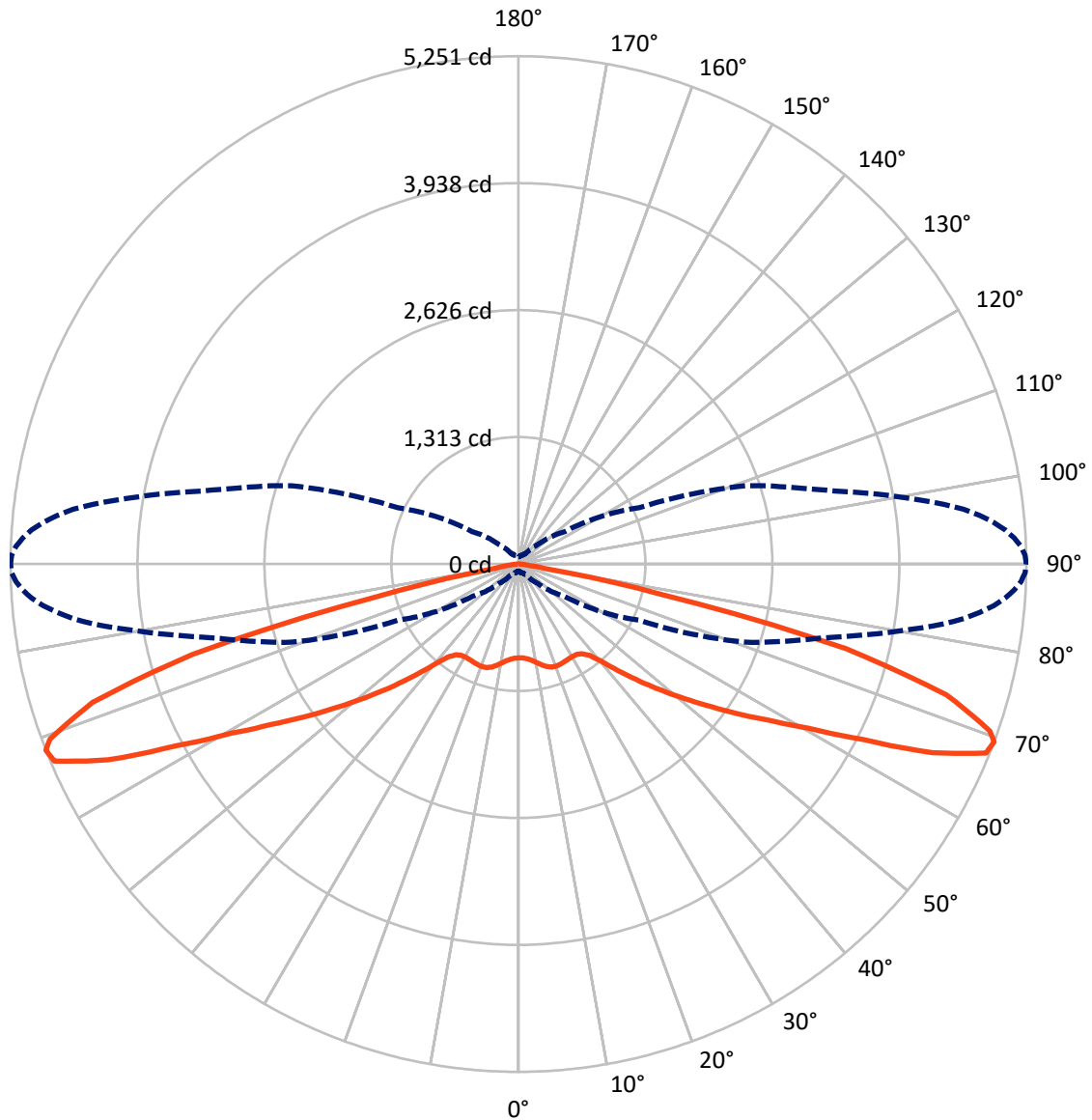
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2535.1   | 0.0    | 2535.1 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2535.1   | 0.0    | 2535.1 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5070.1   | 0.0    | 5070.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.0   | 1.9       |
| 10°-20°   | 299.2  | 5.9       |
| 20°-30°   | 484.5  | 9.6       |
| 30°-40°   | 603.6  | 11.9      |
| 40°-50°   | 751.4  | 14.8      |
| 50°-60°   | 922.1  | 18.2      |
| 60°-70°   | 1137.2 | 22.4      |
| 70°-80°   | 706.9  | 13.9      |
| 80°-90°   | 70.2   | 1.4       |
| 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°    | 5070.1 | 100.0     |
| 0°-180°   | 5070.1 | 100.0     |



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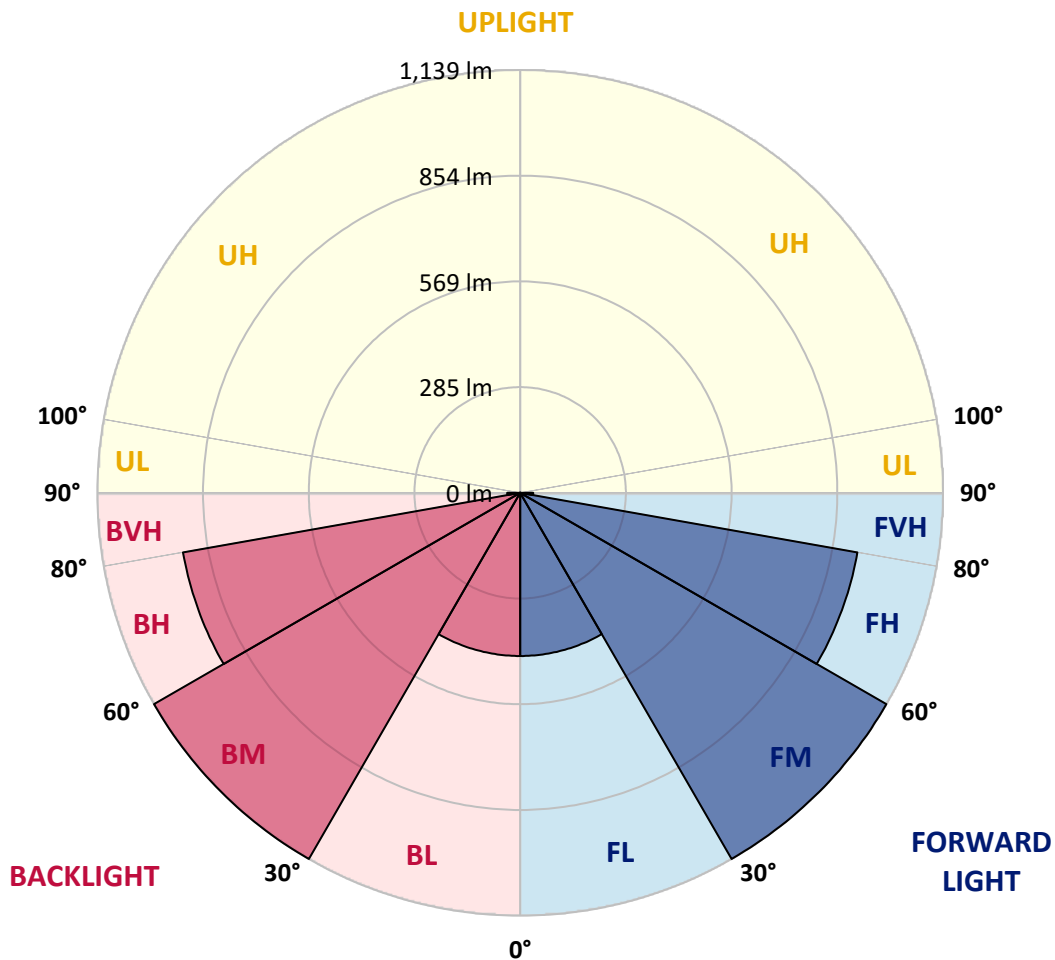
CATALOG NUMBER: CNC-E02-LED-E1-RW-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 439.4  | 8.7       |                         |      |         |
| FM   | (30°-60°)   | 1138.6 | 22.5      |                         |      |         |
| FH   | (60°-80°)   | 922.1  | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 35.1   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 439.4  | 8.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1138.6 | 22.5      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 922.1  | 18.2      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 35.1   | 0.7       |                         |      | 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 I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  |
| 2.5°  | 973.4  | 972.4  | 974.3  | 976.0  | 975.4  | 975.8  | 975.2  | 974.4  | 974.4  | 974.5  | 974.5  |
| 5°    | 981.0  | 980.0  | 981.8  | 983.2  | 983.8  | 984.9  | 985.3  | 984.8  | 985.0  | 985.2  | 985.5  |
| 7.5°  | 990.2  | 989.4  | 991.5  | 993.6  | 997.4  | 999.4  | 1001.4 | 1003.5 | 1003.7 | 1003.8 | 1004.0 |
| 10°   | 998.8  | 998.2  | 1001.8 | 1006.2 | 1012.4 | 1017.2 | 1022.9 | 1028.4 | 1028.9 | 1029.3 | 1029.8 |
| 12.5° | 1004.4 | 1004.4 | 1009.8 | 1017.7 | 1028.4 | 1038.1 | 1047.9 | 1057.4 | 1058.2 | 1059.1 | 1060.0 |
| 15°   | 1004.0 | 1004.6 | 1013.0 | 1027.4 | 1046.0 | 1063.1 | 1075.1 | 1085.4 | 1086.2 | 1087.0 | 1087.9 |
| 17.5° | 997.1  | 997.2  | 1009.1 | 1032.2 | 1061.2 | 1086.6 | 1102.0 | 1107.6 | 1108.0 | 1108.3 | 1108.6 |
| 20°   | 977.6  | 979.0  | 995.7  | 1029.3 | 1073.0 | 1108.0 | 1122.7 | 1120.3 | 1119.8 | 1119.3 | 1118.8 |
| 22.5° | 944.4  | 946.1  | 968.4  | 1013.5 | 1075.2 | 1121.8 | 1137.0 | 1126.4 | 1124.8 | 1123.2 | 1121.5 |
| 25°   | 898.2  | 901.0  | 925.2  | 982.9  | 1060.4 | 1125.9 | 1146.3 | 1129.2 | 1126.7 | 1124.2 | 1121.7 |
| 27.5° | 844.6  | 846.0  | 874.6  | 935.2  | 1025.8 | 1112.4 | 1150.6 | 1135.2 | 1132.0 | 1128.8 | 1125.6 |
| 30°   | 782.7  | 786.2  | 816.0  | 879.3  | 977.0  | 1081.0 | 1148.8 | 1146.6 | 1143.1 | 1139.6 | 1136.0 |
| 32.5° | 721.1  | 724.1  | 753.4  | 821.6  | 920.8  | 1037.3 | 1140.4 | 1164.0 | 1161.0 | 1158.1 | 1155.1 |
| 35°   | 659.0  | 662.7  | 692.8  | 766.0  | 864.9  | 987.6  | 1127.1 | 1188.8 | 1187.6 | 1186.3 | 1185.0 |
| 37.5° | 604.4  | 606.8  | 636.4  | 712.5  | 816.0  | 942.2  | 1109.7 | 1222.1 | 1225.0 | 1227.9 | 1230.8 |
| 40°   | 549.0  | 551.3  | 582.2  | 660.2  | 770.9  | 903.4  | 1093.6 | 1264.0 | 1271.9 | 1279.8 | 1287.7 |
| 42.5° | 495.6  | 497.6  | 527.5  | 605.4  | 720.8  | 869.8  | 1084.1 | 1314.6 | 1329.8 | 1345.0 | 1360.3 |
| 45°   | 440.9  | 442.2  | 470.2  | 546.0  | 663.6  | 830.6  | 1081.4 | 1371.4 | 1393.4 | 1415.4 | 1437.4 |
| 47.5° | 387.1  | 390.3  | 419.1  | 491.0  | 598.2  | 774.6  | 1077.8 | 1434.4 | 1463.6 | 1492.7 | 1521.8 |
| 50°   | 335.6  | 339.1  | 368.8  | 437.0  | 535.1  | 708.1  | 1058.8 | 1505.9 | 1541.4 | 1576.9 | 1612.4 |
| 52.5° | 283.0  | 286.6  | 316.3  | 381.5  | 476.6  | 633.2  | 1006.2 | 1580.8 | 1623.0 | 1665.3 | 1707.5 |
| 55°   | 227.0  | 228.4  | 258.9  | 324.2  | 418.0  | 570.4  | 922.4  | 1649.4 | 1700.6 | 1751.8 | 1802.9 |
| 57.5° | 165.1  | 169.6  | 199.8  | 260.6  | 358.2  | 514.8  | 815.7  | 1684.6 | 1748.4 | 1812.3 | 1876.1 |
| 60°   | 119.2  | 122.2  | 148.7  | 196.5  | 290.5  | 460.3  | 721.0  | 1659.0 | 1744.2 | 1829.4 | 1914.6 |
| 62.5° | 94.2   | 97.6   | 118.0  | 148.0  | 224.7  | 400.4  | 659.2  | 1588.6 | 1708.1 | 1827.6 | 1947.2 |
| 65°   | 83.4   | 86.4   | 105.3  | 120.2  | 171.8  | 338.8  | 620.4  | 1518.8 | 1680.2 | 1841.5 | 2002.9 |
| 67.5° | 76.1   | 79.4   | 95.9   | 106.0  | 142.0  | 299.2  | 602.0  | 1466.2 | 1652.5 | 1838.8 | 2025.2 |
| 69°   | 72.8   | 75.6   | 90.8   | 100.3  | 133.9  | 285.6  | 582.2  | 1377.0 | 1561.8 | 1746.5 | 1931.3 |
| 70°   | 70.8   | 73.4   | 87.2   | 96.8   | 130.6  | 274.5  | 553.0  | 1271.0 | 1449.3 | 1627.5 | 1805.8 |
| 72.5° | 65.6   | 67.4   | 79.0   | 87.8   | 119.5  | 219.1  | 417.1  | 896.8  | 1047.9 | 1199.0 | 1350.1 |
| 75°   | 58.2   | 60.2   | 70.6   | 78.6   | 91.2   | 131.6  | 261.2  | 520.6  | 624.1  | 727.6  | 831.2  |
| 77.5° | 50.0   | 52.4   | 60.8   | 73.6   | 73.4   | 85.8   | 158.5  | 299.0  | 349.2  | 399.6  | 449.8  |
| 80°   | 42.9   | 44.9   | 52.5   | 72.8   | 61.4   | 67.8   | 118.2  | 223.0  | 243.2  | 263.5  | 283.8  |
| 82.5° | 33.6   | 35.2   | 44.0   | 60.1   | 49.2   | 51.6   | 90.0   | 203.1  | 216.8  | 230.6  | 244.3  |
| 85°   | 21.1   | 21.8   | 32.0   | 41.6   | 34.9   | 31.2   | 57.9   | 156.3  | 166.3  | 176.3  | 186.3  |
| 87.5° | 8.4    | 10.3   | 15.6   | 14.8   | 15.0   | 12.5   | 18.8   | 56.4   | 61.5   | 66.7   | 71.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  |
| 2.5°  | 974.6  | 974.6  | 974.3  | 973.8  | 974.3  | 973.8  | 974.0  | 974.4  | 974.3  | 974.4  | 974.0  |
| 5°    | 985.7  | 986.0  | 986.0  | 984.9  | 985.4  | 985.6  | 985.8  | 985.4  | 985.6  | 986.0  | 985.2  |
| 7.5°  | 1004.2 | 1004.4 | 1004.8 | 1005.4 | 1005.0 | 1005.2 | 1005.6 | 1005.2 | 1004.7 | 1005.9 | 1005.0 |
| 10°   | 1030.2 | 1030.6 | 1030.6 | 1032.2 | 1031.5 | 1032.0 | 1033.6 | 1033.6 | 1032.7 | 1033.8 | 1033.6 |
| 12.5° | 1060.9 | 1061.8 | 1061.6 | 1061.4 | 1062.1 | 1062.6 | 1064.2 | 1064.6 | 1065.0 | 1066.8 | 1066.1 |
| 15°   | 1088.7 | 1089.6 | 1090.2 | 1090.6 | 1091.8 | 1092.2 | 1093.2 | 1093.8 | 1094.3 | 1095.0 | 1095.3 |
| 17.5° | 1108.9 | 1109.2 | 1110.2 | 1109.7 | 1111.4 | 1111.0 | 1112.2 | 1112.7 | 1113.2 | 1114.0 | 1114.6 |
| 20°   | 1118.3 | 1117.8 | 1118.0 | 1117.4 | 1117.4 | 1117.8 | 1118.0 | 1118.6 | 1118.3 | 1119.1 | 1119.8 |
| 22.5° | 1119.9 | 1118.3 | 1117.3 | 1116.1 | 1115.6 | 1114.6 | 1114.6 | 1114.9 | 1113.8 | 1114.6 | 1115.6 |
| 25°   | 1119.1 | 1116.6 | 1114.8 | 1112.7 | 1110.8 | 1109.2 | 1108.2 | 1107.8 | 1107.0 | 1107.0 | 1107.8 |
| 27.5° | 1122.5 | 1119.3 | 1116.6 | 1113.2 | 1110.8 | 1108.5 | 1106.3 | 1104.6 | 1102.9 | 1102.6 | 1102.6 |
| 30°   | 1132.4 | 1128.9 | 1125.9 | 1121.6 | 1118.0 | 1114.9 | 1111.9 | 1109.5 | 1106.3 | 1105.0 | 1103.4 |
| 32.5° | 1152.2 | 1149.2 | 1145.0 | 1141.2 | 1136.8 | 1133.2 | 1129.1 | 1125.4 | 1121.7 | 1118.3 | 1117.0 |
| 35°   | 1183.7 | 1182.4 | 1180.0 | 1177.6 | 1173.4 | 1168.6 | 1165.2 | 1160.8 | 1156.6 | 1151.8 | 1150.4 |
| 37.5° | 1233.7 | 1236.6 | 1235.2 | 1233.4 | 1232.2 | 1230.7 | 1226.2 | 1223.3 | 1220.4 | 1216.4 | 1215.5 |
| 40°   | 1295.7 | 1303.6 | 1311.6 | 1316.8 | 1314.9 | 1321.2 | 1322.2 | 1322.7 | 1320.2 | 1323.5 | 1324.2 |
| 42.5° | 1375.5 | 1390.7 | 1405.0 | 1415.6 | 1427.7 | 1436.8 | 1448.6 | 1453.7 | 1463.3 | 1473.3 | 1479.0 |
| 45°   | 1459.4 | 1481.4 | 1502.0 | 1523.4 | 1544.5 | 1567.6 | 1590.1 | 1605.9 | 1629.1 | 1646.3 | 1657.1 |
| 47.5° | 1551.0 | 1580.1 | 1604.8 | 1636.8 | 1667.4 | 1694.8 | 1734.1 | 1765.6 | 1793.8 | 1820.7 | 1848.8 |
| 50°   | 1647.9 | 1683.4 | 1713.8 | 1753.0 | 1790.1 | 1833.0 | 1879.0 | 1919.2 | 1963.4 | 2006.2 | 2044.2 |
| 52.5° | 1749.7 | 1792.0 | 1833.0 | 1873.2 | 1918.2 | 1964.8 | 2014.8 | 2072.8 | 2125.9 | 2190.2 | 2236.2 |
| 55°   | 1854.0 | 1905.2 | 1948.9 | 1991.0 | 2038.8 | 2090.4 | 2149.8 | 2218.5 | 2285.8 | 2356.2 | 2426.2 |
| 57.5° | 1940.0 | 2003.8 | 2051.6 | 2100.7 | 2152.2 | 2203.3 | 2277.1 | 2347.5 | 2432.9 | 2519.3 | 2606.8 |
| 60°   | 1999.8 | 2085.0 | 2142.9 | 2205.0 | 2264.6 | 2326.7 | 2406.2 | 2495.2 | 2602.0 | 2706.7 | 2825.5 |
| 62.5° | 2066.7 | 2186.2 | 2267.4 | 2350.4 | 2422.8 | 2497.4 | 2603.7 | 2706.2 | 2843.4 | 2963.9 | 3113.5 |
| 65°   | 2164.2 | 2325.6 | 2445.0 | 2556.8 | 2654.0 | 2755.6 | 2881.8 | 3009.8 | 3166.8 | 3333.4 | 3521.0 |
| 67.5° | 2211.5 | 2397.8 | 2554.2 | 2692.1 | 2816.4 | 2945.9 | 3076.0 | 3227.6 | 3404.5 | 3605.0 | 3811.0 |
| 69°   | 2116.0 | 2300.8 | 2480.6 | 2620.1 | 2751.0 | 2889.2 | 3028.4 | 3181.4 | 3355.6 | 3563.7 | 3781.9 |
| 70°   | 1984.0 | 2162.3 | 2353.6 | 2493.3 | 2625.3 | 2768.8 | 2910.6 | 3065.0 | 3231.6 | 3446.0 | 3666.8 |
| 72.5° | 1501.2 | 1652.4 | 1838.0 | 1985.8 | 2124.5 | 2269.5 | 2415.5 | 2549.6 | 2718.5 | 2924.8 | 3128.2 |
| 75°   | 934.7  | 1038.2 | 1205.2 | 1353.6 | 1465.1 | 1589.4 | 1726.4 | 1853.4 | 2023.0 | 2169.2 | 2364.8 |
| 77.5° | 500.2  | 550.4  | 647.8  | 754.2  | 816.3  | 876.9  | 966.2  | 1035.0 | 1106.4 | 1191.1 | 1271.9 |
| 80°   | 304.0  | 324.2  | 357.6  | 380.4  | 371.8  | 347.0  | 339.1  | 314.3  | 323.2  | 308.0  | 297.1  |
| 82.5° | 258.0  | 271.8  | 292.0  | 305.8  | 295.8  | 256.1  | 211.2  | 177.8  | 154.2  | 131.5  | 111.8  |
| 85°   | 196.3  | 206.2  | 216.7  | 223.0  | 222.5  | 202.7  | 161.0  | 124.8  | 97.2   | 75.3   | 62.6   |
| 87.5° | 76.9   | 82.0   | 89.6   | 88.4   | 92.3   | 93.0   | 72.8   | 56.2   | 40.0   | 27.0   | 23.6   |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  | 970.9  |
| 2.5°  | 973.3  | 973.2  | 973.3  | 973.8  | 973.8  | 974.2  | 973.8  | 974.0  | 973.4  | 973.0  | 973.3  |
| 5°    | 985.3  | 985.0  | 985.2  | 985.6  | 985.6  | 985.2  | 986.1  | 986.1  | 985.8  | 985.2  | 985.4  |
| 7.5°  | 1005.9 | 1006.0 | 1005.6 | 1007.2 | 1005.7 | 1005.8 | 1006.8 | 1006.8 | 1006.4 | 1006.6 | 1006.7 |
| 10°   | 1034.6 | 1034.4 | 1034.7 | 1035.8 | 1034.2 | 1035.2 | 1036.4 | 1036.8 | 1035.9 | 1035.9 | 1036.1 |
| 12.5° | 1066.3 | 1067.6 | 1067.8 | 1068.4 | 1068.5 | 1069.4 | 1069.5 | 1069.7 | 1070.4 | 1070.6 | 1069.5 |
| 15°   | 1096.7 | 1097.6 | 1098.4 | 1099.1 | 1098.2 | 1099.4 | 1100.8 | 1100.7 | 1100.6 | 1101.2 | 1100.2 |
| 17.5° | 1115.4 | 1116.2 | 1117.4 | 1117.3 | 1117.4 | 1118.4 | 1119.3 | 1119.6 | 1120.0 | 1120.0 | 1120.1 |
| 20°   | 1121.3 | 1121.8 | 1122.5 | 1123.2 | 1123.5 | 1124.6 | 1125.2 | 1125.8 | 1126.0 | 1125.8 | 1125.9 |
| 22.5° | 1116.6 | 1117.2 | 1118.6 | 1119.2 | 1119.3 | 1120.8 | 1121.5 | 1122.0 | 1122.4 | 1122.7 | 1122.2 |
| 25°   | 1108.5 | 1109.2 | 1110.5 | 1111.0 | 1111.4 | 1112.8 | 1113.6 | 1114.8 | 1115.1 | 1115.2 | 1115.4 |
| 27.5° | 1102.9 | 1103.2 | 1104.3 | 1105.0 | 1105.2 | 1106.6 | 1107.8 | 1108.6 | 1108.8 | 1109.0 | 1109.0 |
| 30°   | 1103.1 | 1103.1 | 1104.3 | 1104.4 | 1104.2 | 1105.6 | 1106.3 | 1106.8 | 1107.2 | 1107.2 | 1107.3 |
| 32.5° | 1114.8 | 1114.0 | 1115.1 | 1113.6 | 1113.8 | 1113.6 | 1113.4 | 1113.9 | 1113.6 | 1113.7 | 1113.1 |
| 35°   | 1147.6 | 1145.8 | 1144.3 | 1145.0 | 1142.6 | 1139.2 | 1141.0 | 1140.2 | 1138.4 | 1138.6 | 1139.1 |
| 37.5° | 1210.8 | 1208.9 | 1210.6 | 1209.1 | 1209.6 | 1204.9 | 1206.1 | 1201.8 | 1200.6 | 1202.2 | 1197.8 |
| 40°   | 1322.8 | 1322.0 | 1325.2 | 1323.9 | 1324.8 | 1326.1 | 1327.2 | 1323.2 | 1316.4 | 1322.6 | 1322.7 |
| 42.5° | 1478.2 | 1485.8 | 1488.8 | 1493.0 | 1497.6 | 1495.6 | 1499.6 | 1500.8 | 1493.4 | 1498.9 | 1500.3 |
| 45°   | 1673.0 | 1681.0 | 1690.5 | 1693.4 | 1700.8 | 1701.8 | 1704.9 | 1705.7 | 1699.0 | 1699.6 | 1701.1 |
| 47.5° | 1877.0 | 1891.8 | 1903.0 | 1910.8 | 1918.6 | 1920.0 | 1921.8 | 1918.6 | 1919.0 | 1920.6 | 1920.6 |
| 50°   | 2077.6 | 2109.3 | 2129.0 | 2144.4 | 2157.8 | 2150.8 | 2156.8 | 2157.2 | 2159.2 | 2155.0 | 2157.6 |
| 52.5° | 2288.4 | 2330.4 | 2363.5 | 2389.4 | 2397.4 | 2422.1 | 2412.0 | 2419.7 | 2425.0 | 2417.2 | 2422.3 |
| 55°   | 2494.4 | 2554.2 | 2607.4 | 2644.9 | 2671.2 | 2696.2 | 2700.1 | 2720.2 | 2717.8 | 2725.4 | 2722.0 |
| 57.5° | 2690.1 | 2773.9 | 2849.8 | 2905.4 | 2943.2 | 2981.3 | 3007.1 | 3029.1 | 3031.2 | 3053.0 | 3040.7 |
| 60°   | 2927.0 | 3043.6 | 3141.4 | 3224.0 | 3279.9 | 3336.6 | 3381.4 | 3417.4 | 3425.6 | 3462.9 | 3450.6 |
| 62.5° | 3246.5 | 3388.8 | 3513.7 | 3610.8 | 3735.2 | 3795.1 | 3882.2 | 3936.6 | 3970.5 | 3979.8 | 3997.1 |
| 65°   | 3695.6 | 3881.0 | 4045.8 | 4201.0 | 4341.0 | 4438.0 | 4538.8 | 4619.8 | 4684.8 | 4679.4 | 4706.1 |
| 67.5° | 4029.4 | 4240.7 | 4439.0 | 4625.2 | 4775.8 | 4900.7 | 5016.5 | 5104.2 | 5162.2 | 5199.2 | 5214.9 |
| 69°   | 3994.6 | 4221.4 | 4440.2 | 4639.1 | 4794.4 | 4934.0 | 5046.8 | 5133.0 | 5199.5 | 5239.6 | 5251.3 |
| 70°   | 3879.0 | 4112.0 | 4340.2 | 4535.3 | 4693.6 | 4846.8 | 4961.6 | 5057.7 | 5121.0 | 5164.9 | 5171.6 |
| 72.5° | 3355.2 | 3607.7 | 3809.4 | 4022.3 | 4174.8 | 4329.8 | 4402.0 | 4521.1 | 4603.6 | 4630.3 | 4629.8 |
| 75°   | 2530.6 | 2741.3 | 2918.5 | 3075.8 | 3212.2 | 3317.4 | 3351.4 | 3436.2 | 3504.8 | 3503.9 | 3497.5 |
| 77.5° | 1362.8 | 1412.4 | 1478.6 | 1501.0 | 1543.0 | 1542.3 | 1500.1 | 1513.4 | 1552.2 | 1477.0 | 1501.3 |
| 80°   | 292.4  | 288.0  | 284.2  | 282.1  | 280.8  | 281.4  | 282.9  | 273.3  | 282.7  | 278.5  | 260.6  |
| 82.5° | 101.8  | 99.4   | 97.0   | 98.8   | 97.6   | 98.6   | 98.2   | 99.4   | 99.2   | 98.9   | 96.6   |
| 85°   | 57.2   | 55.2   | 54.0   | 54.8   | 53.0   | 51.4   | 50.1   | 49.6   | 49.4   | 48.2   | 47.6   |
| 87.5° | 21.8   | 21.6   | 21.5   | 20.6   | 18.5   | 17.0   | 16.0   | 14.0   | 13.2   | 12.0   | 11.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)