

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: P145583

Luminaire Tested: **CNC-F03-LED-E1-GL4-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145583  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: CNC-F03-LED-E1-GL4-8030  
Description: CONCISE LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ GLARE CONTROL  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6024 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

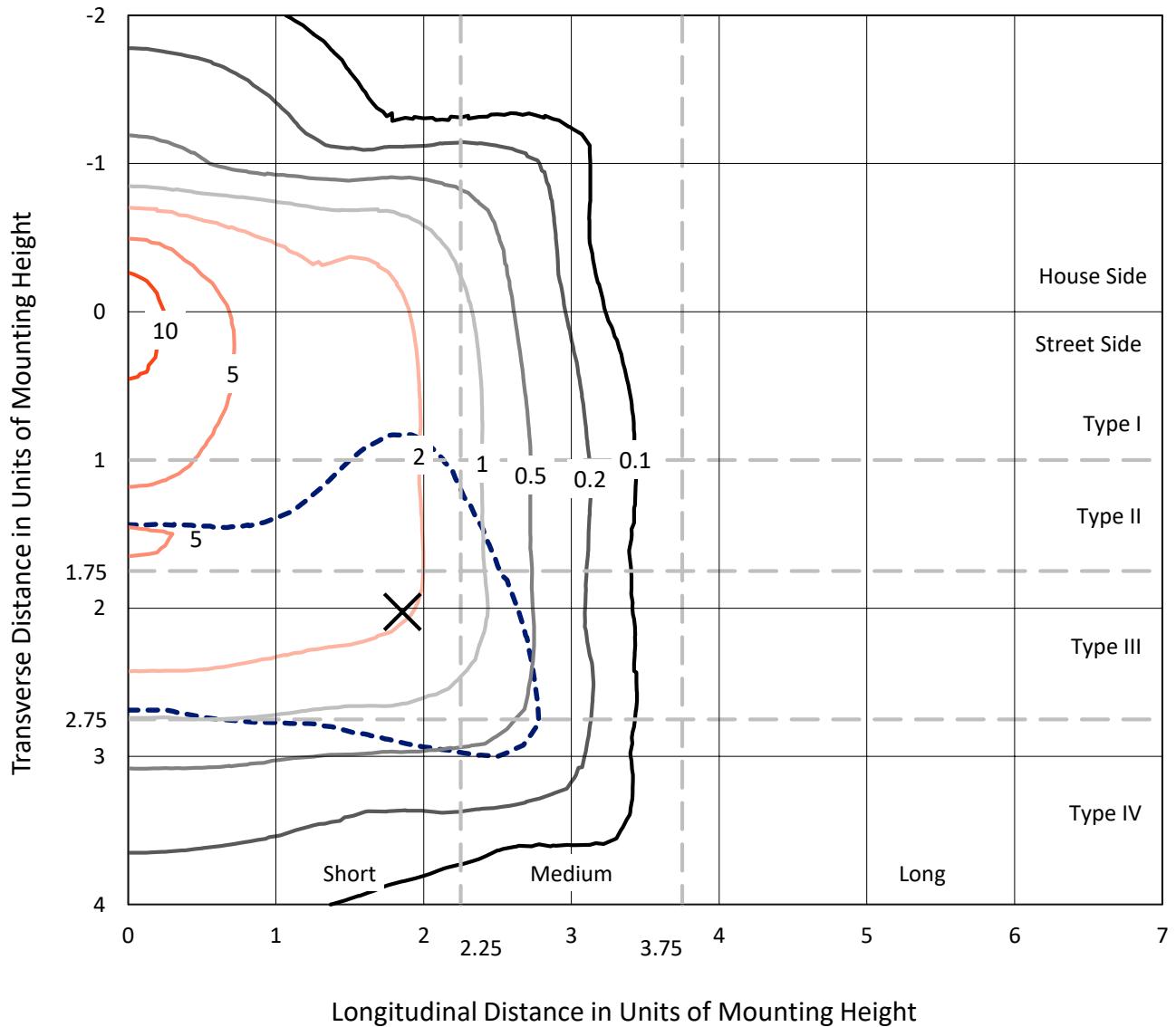
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

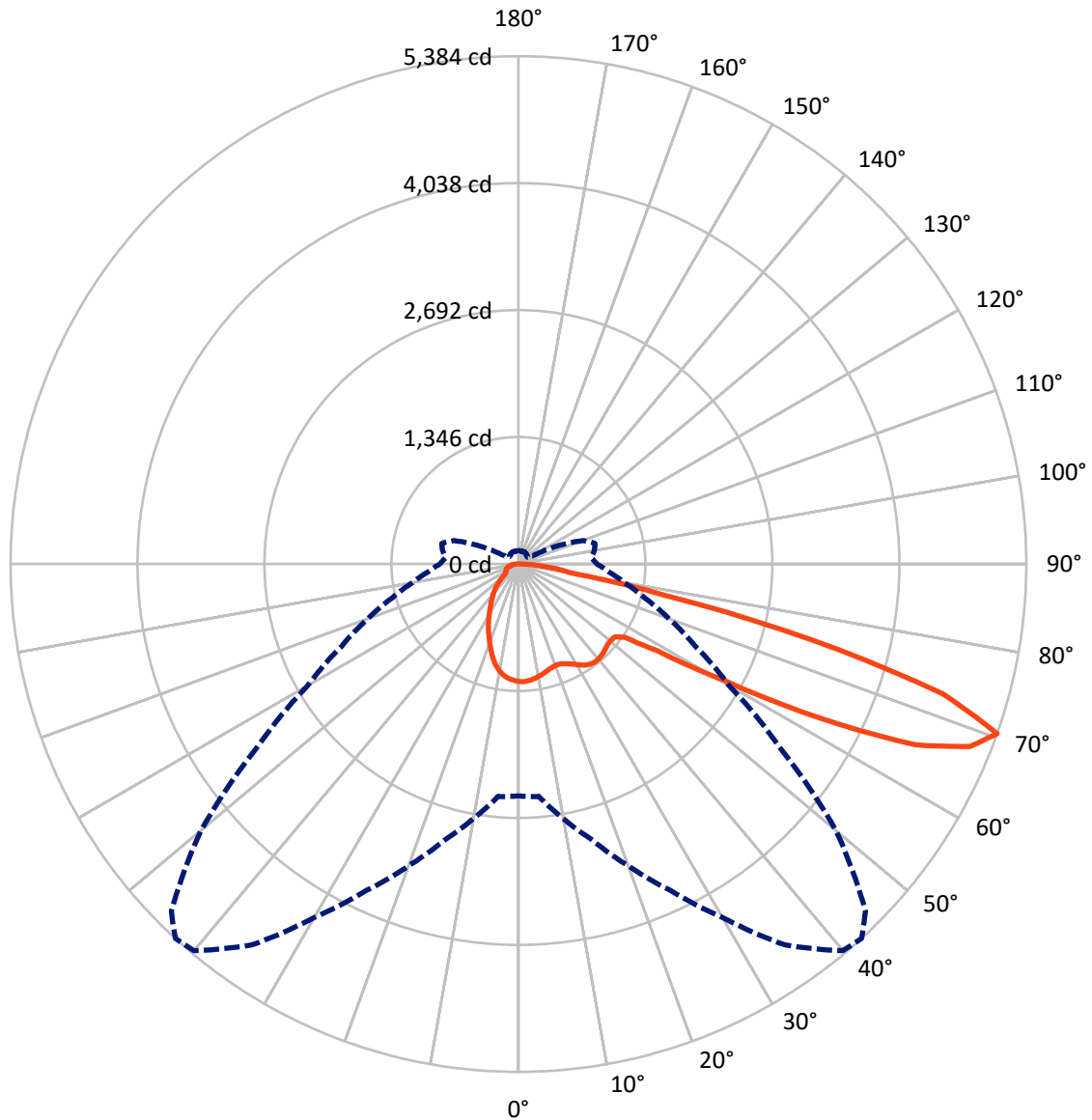
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1301.3   | 0.0    | 1301.3 |
|                    | % Fixture | 21.6     | 0.0    | 21.6   |
| <b>Street Side</b> | Lumens    | 4722.7   | 0.0    | 4722.7 |
|                    | % Fixture | 78.4     | 0.0    | 78.4   |
| <b>Total</b>       | Lumens    | 6024.0   | 0.0    | 6024.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.9  | 1.9       |
| 10°-20°   | 312.2  | 5.2       |
| 20°-30°   | 455.5  | 7.6       |
| 30°-40°   | 580.9  | 9.6       |
| 40°-50°   | 678.0  | 11.3      |
| 50°-60°   | 1036.9 | 17.2      |
| 60°-70°   | 1879.6 | 31.2      |
| 70°-80°   | 835.7  | 13.9      |
| 80°-90°   | 129.3  | 2.1       |
| 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°    | 6024.0 | 100.0     |
| 0°-180°   | 6024.0 | 100.0     |



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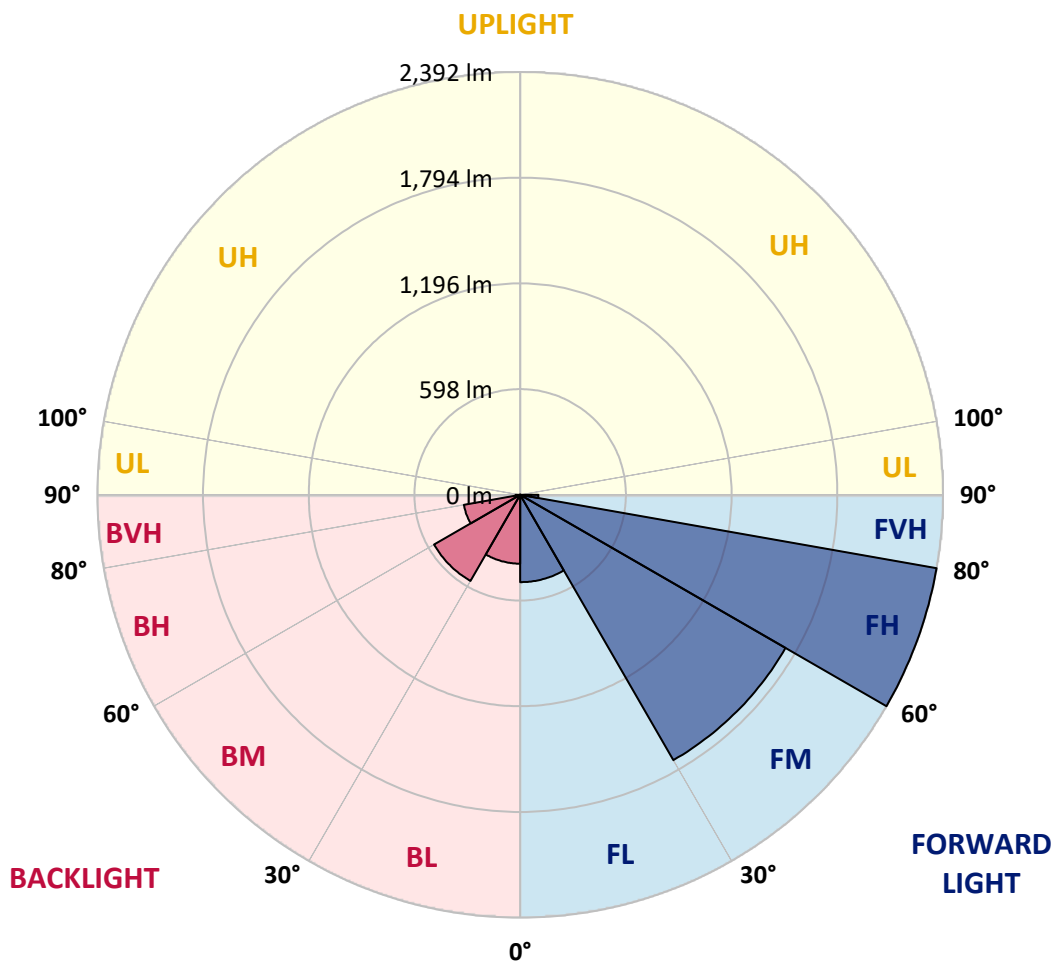
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 494.1  | 8.2       |                         |      |         |
| FM (30°-60°)   | 1733.3 | 28.8      |                         |      |         |
| FH (60°-80°)   | 2392.0 | 39.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 103.3  | 1.7       |                         |      | G2/225  |
| BL (0°-30°)    | 389.5  | 6.5       | B1/500                  |      |         |
| BM (30°-60°)   | 562.5  | 9.3       | B1/1000                 |      |         |
| BH (60°-80°)   | 323.3  | 5.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 26.0   | 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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 42.5°  | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 |
| 2.5°  | 1251.6 | 1250.4 | 1251.2 | 1252.0 | 1252.0 | 1252.5 | 1248.7 | 1249.1 | 1247.4 | 1247.9 | 1248.3 |
| 5°    | 1247.0 | 1245.8 | 1246.6 | 1246.6 | 1246.6 | 1246.2 | 1241.2 | 1240.7 | 1238.7 | 1238.7 | 1237.8 |
| 7.5°  | 1238.2 | 1233.6 | 1236.1 | 1236.6 | 1235.7 | 1233.6 | 1230.7 | 1227.8 | 1226.5 | 1226.5 | 1223.6 |
| 10°   | 1224.9 | 1219.8 | 1221.1 | 1221.9 | 1221.5 | 1217.3 | 1216.1 | 1213.2 | 1209.8 | 1208.6 | 1205.2 |
| 12.5° | 1207.7 | 1204.4 | 1206.0 | 1205.6 | 1205.6 | 1201.9 | 1199.8 | 1195.6 | 1191.4 | 1189.3 | 1185.1 |
| 15°   | 1196.9 | 1192.7 | 1194.3 | 1194.3 | 1192.7 | 1188.9 | 1186.0 | 1178.5 | 1171.4 | 1168.8 | 1163.4 |
| 17.5° | 1203.5 | 1199.4 | 1201.0 | 1199.8 | 1196.9 | 1188.9 | 1181.4 | 1169.3 | 1158.0 | 1151.3 | 1144.2 |
| 20°   | 1230.3 | 1226.1 | 1227.4 | 1226.5 | 1222.4 | 1209.4 | 1195.6 | 1174.7 | 1153.8 | 1143.8 | 1132.9 |
| 22.5° | 1272.9 | 1269.6 | 1271.7 | 1270.4 | 1263.7 | 1247.0 | 1226.5 | 1196.4 | 1165.1 | 1150.0 | 1134.6 |
| 25°   | 1336.1 | 1335.2 | 1338.6 | 1334.8 | 1325.2 | 1300.1 | 1270.4 | 1229.9 | 1188.9 | 1170.1 | 1148.4 |
| 27.5° | 1412.1 | 1405.0 | 1410.1 | 1406.7 | 1400.0 | 1368.2 | 1328.1 | 1276.7 | 1224.4 | 1199.8 | 1173.9 |
| 30°   | 1480.7 | 1474.4 | 1483.6 | 1482.0 | 1471.9 | 1439.3 | 1388.7 | 1328.5 | 1269.6 | 1238.2 | 1208.6 |
| 32.5° | 1560.1 | 1552.2 | 1559.3 | 1559.3 | 1544.2 | 1500.4 | 1442.7 | 1373.7 | 1311.8 | 1278.4 | 1242.8 |
| 35°   | 1643.3 | 1635.0 | 1641.6 | 1639.6 | 1612.8 | 1554.7 | 1482.4 | 1407.5 | 1339.4 | 1305.1 | 1268.8 |
| 37.5° | 1720.7 | 1719.4 | 1721.1 | 1707.3 | 1670.1 | 1595.7 | 1509.1 | 1425.5 | 1353.2 | 1317.2 | 1279.2 |
| 40°   | 1798.0 | 1795.1 | 1788.0 | 1763.7 | 1709.4 | 1619.9 | 1522.9 | 1431.8 | 1354.0 | 1316.4 | 1278.0 |
| 42.5° | 1846.5 | 1841.1 | 1828.9 | 1795.9 | 1727.8 | 1625.8 | 1518.7 | 1422.2 | 1344.0 | 1305.5 | 1267.9 |
| 45°   | 1863.2 | 1857.8 | 1843.1 | 1805.9 | 1728.2 | 1616.6 | 1502.4 | 1402.9 | 1325.2 | 1290.1 | 1252.0 |
| 47.5° | 1849.4 | 1846.1 | 1832.7 | 1795.5 | 1714.8 | 1599.4 | 1482.0 | 1383.7 | 1307.2 | 1272.9 | 1237.4 |
| 50°   | 1826.0 | 1823.9 | 1812.2 | 1777.9 | 1702.3 | 1589.0 | 1472.3 | 1374.5 | 1302.2 | 1270.4 | 1237.0 |
| 52.5° | 1884.5 | 1878.3 | 1857.4 | 1816.8 | 1728.6 | 1607.8 | 1487.4 | 1388.3 | 1313.9 | 1281.7 | 1247.4 |
| 55°   | 2604.0 | 2557.6 | 2453.9 | 2259.5 | 1987.4 | 1776.3 | 1598.6 | 1479.0 | 1398.8 | 1367.4 | 1334.8 |
| 57.5° | 3424.6 | 3376.1 | 3333.0 | 3184.6 | 2861.5 | 2462.7 | 2104.0 | 1894.1 | 1750.3 | 1736.5 | 1723.6 |
| 60°   | 3740.6 | 3756.1 | 3752.3 | 3697.2 | 3531.6 | 3342.2 | 3042.1 | 2794.2 | 2519.5 | 2508.2 | 2524.6 |
| 62.5° | 3958.4 | 3971.4 | 3973.1 | 3956.3 | 3902.4 | 3839.3 | 3776.6 | 3697.2 | 3644.9 | 3622.3 | 3476.4 |
| 65°   | 4048.3 | 4067.1 | 4108.5 | 4139.4 | 4148.2 | 4170.0 | 4226.8 | 4442.9 | 4623.1 | 4621.9 | 4450.9 |
| 67.5° | 3705.1 | 3727.7 | 3884.4 | 4038.3 | 4167.5 | 4317.1 | 4547.5 | 4899.0 | 5170.3 | 5162.0 | 5021.9 |
| 70°   | 2458.9 | 2473.1 | 2739.4 | 3029.1 | 3404.9 | 3820.5 | 4323.8 | 4930.0 | 5350.5 | 5383.5 | 5202.9 |
| 72.5° | 1508.3 | 1540.9 | 1627.9 | 1745.3 | 1946.0 | 2331.0 | 3079.3 | 4115.2 | 4732.2 | 4701.3 | 4557.5 |
| 75°   | 1018.3 | 1020.0 | 1017.5 | 1030.1 | 1041.3 | 1119.1 | 1420.5 | 2262.9 | 3205.5 | 3222.3 | 3160.4 |
| 77.5° | 696.0  | 705.2  | 710.3  | 706.9  | 718.2  | 714.9  | 732.4  | 775.5  | 1228.6 | 1568.1 | 1441.0 |
| 80°   | 608.3  | 612.0  | 617.4  | 609.5  | 588.6  | 576.9  | 593.2  | 577.7  | 544.3  | 562.3  | 538.4  |
| 82.5° | 385.0  | 396.3  | 397.6  | 425.1  | 466.1  | 467.8  | 488.7  | 473.2  | 430.6  | 402.6  | 368.3  |
| 85°   | 276.7  | 280.9  | 288.4  | 290.1  | 275.9  | 263.8  | 271.3  | 258.3  | 232.8  | 217.8  | 192.7  |
| 87.5° | 161.4  | 165.5  | 173.1  | 168.5  | 154.3  | 136.7  | 123.3  | 106.2  | 84.0   | 78.6   | 69.4   |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 |
| 2.5°  | 1248.7 | 1246.6 | 1244.9 | 1244.1 | 1245.8 | 1244.1 | 1242.4 | 1241.6 | 1239.9 | 1240.3 | 1238.2 |
| 5°    | 1237.0 | 1234.1 | 1231.5 | 1229.5 | 1231.1 | 1228.2 | 1225.7 | 1224.0 | 1221.9 | 1221.5 | 1219.4 |
| 7.5°  | 1220.7 | 1216.1 | 1212.7 | 1209.0 | 1204.8 | 1202.3 | 1199.4 | 1196.4 | 1191.8 | 1191.4 | 1190.6 |
| 10°   | 1199.4 | 1195.6 | 1188.9 | 1183.1 | 1177.2 | 1170.9 | 1164.7 | 1160.1 | 1154.6 | 1152.5 | 1149.6 |
| 12.5° | 1178.0 | 1170.5 | 1162.6 | 1153.4 | 1146.3 | 1136.2 | 1127.9 | 1119.1 | 1111.2 | 1106.1 | 1100.7 |
| 15°   | 1153.0 | 1145.0 | 1133.7 | 1124.9 | 1114.9 | 1103.6 | 1092.8 | 1079.8 | 1066.8 | 1058.9 | 1051.4 |
| 17.5° | 1131.2 | 1121.2 | 1112.0 | 1099.4 | 1089.4 | 1076.5 | 1060.2 | 1046.4 | 1030.9 | 1017.9 | 1004.1 |
| 20°   | 1114.5 | 1103.2 | 1092.3 | 1081.1 | 1068.9 | 1054.3 | 1036.3 | 1016.7 | 997.0  | 978.6  | 958.2  |
| 22.5° | 1107.8 | 1089.8 | 1077.7 | 1067.3 | 1054.7 | 1038.0 | 1017.9 | 993.7  | 969.4  | 946.0  | 922.2  |
| 25°   | 1113.7 | 1086.9 | 1068.1 | 1056.4 | 1045.1 | 1028.0 | 1005.4 | 977.8  | 949.4  | 919.7  | 891.3  |
| 27.5° | 1129.5 | 1095.7 | 1068.9 | 1050.5 | 1037.6 | 1020.9 | 995.8  | 966.9  | 934.7  | 901.3  | 870.8  |
| 30°   | 1152.5 | 1110.3 | 1076.9 | 1050.5 | 1031.3 | 1012.1 | 984.9  | 952.3  | 918.4  | 883.3  | 849.0  |
| 32.5° | 1177.6 | 1126.6 | 1086.5 | 1051.8 | 1022.1 | 997.9  | 969.4  | 937.7  | 901.7  | 864.5  | 827.7  |
| 35°   | 1196.4 | 1138.3 | 1090.7 | 1047.2 | 1009.2 | 978.6  | 948.1  | 917.2  | 882.1  | 844.4  | 807.7  |
| 37.5° | 1204.4 | 1142.9 | 1089.8 | 1037.6 | 991.2  | 957.7  | 926.0  | 895.0  | 861.2  | 825.6  | 791.8  |
| 40°   | 1204.8 | 1142.9 | 1084.8 | 1024.6 | 972.4  | 936.0  | 902.6  | 873.7  | 841.9  | 811.4  | 781.3  |
| 42.5° | 1196.9 | 1137.1 | 1075.6 | 1012.5 | 958.6  | 917.6  | 883.3  | 853.6  | 828.1  | 801.0  | 775.5  |
| 45°   | 1182.6 | 1125.4 | 1067.3 | 1005.8 | 953.6  | 913.0  | 876.2  | 848.2  | 825.2  | 801.0  | 778.8  |
| 47.5° | 1171.8 | 1118.7 | 1067.7 | 1015.4 | 965.7  | 923.9  | 884.2  | 854.5  | 834.8  | 815.6  | 799.7  |
| 50°   | 1173.9 | 1121.2 | 1072.7 | 1022.9 | 974.0  | 931.8  | 893.4  | 867.9  | 856.1  | 849.9  | 846.1  |
| 52.5° | 1184.7 | 1131.2 | 1094.4 | 1061.4 | 1045.5 | 1019.6 | 998.3  | 979.1  | 982.0  | 966.9  | 947.7  |
| 55°   | 1296.8 | 1278.8 | 1321.0 | 1351.5 | 1366.6 | 1392.9 | 1431.0 | 1394.6 | 1389.6 | 1343.2 | 1205.2 |
| 57.5° | 1741.1 | 1783.8 | 1848.6 | 1894.6 | 1899.2 | 1891.2 | 1859.9 | 1829.8 | 1780.9 | 1711.0 | 1517.9 |
| 60°   | 2486.5 | 2476.5 | 2416.3 | 2335.6 | 2272.9 | 2190.5 | 2107.8 | 2038.0 | 1959.4 | 1852.3 | 1646.7 |
| 62.5° | 3270.3 | 3028.7 | 2814.3 | 2631.6 | 2476.5 | 2338.9 | 2213.9 | 2109.0 | 2001.2 | 1847.3 | 1628.3 |
| 65°   | 3903.3 | 3438.4 | 3060.5 | 2766.6 | 2535.8 | 2341.4 | 2180.1 | 2035.4 | 1891.2 | 1713.1 | 1500.8 |
| 67.5° | 4355.6 | 3618.1 | 3047.9 | 2634.5 | 2310.9 | 2043.4 | 1808.4 | 1643.7 | 1495.8 | 1355.7 | 1260.0 |
| 70°   | 4391.5 | 3369.4 | 2578.5 | 2072.6 | 1699.3 | 1385.0 | 1141.3 | 961.5  | 832.7  | 774.6  | 816.0  |
| 72.5° | 3752.8 | 2492.8 | 1714.4 | 1268.8 | 1007.1 | 782.6  | 629.2  | 502.9  | 399.2  | 348.2  | 355.3  |
| 75°   | 2210.2 | 1196.9 | 772.1  | 575.2  | 469.9  | 375.4  | 324.8  | 274.2  | 242.0  | 194.0  | 155.1  |
| 77.5° | 841.5  | 520.5  | 389.6  | 323.6  | 230.8  | 166.0  | 130.8  | 112.9  | 103.7  | 102.4  | 97.0   |
| 80°   | 484.9  | 381.7  | 267.1  | 174.7  | 127.9  | 108.3  | 92.8   | 79.4   | 74.0   | 72.7   | 74.8   |
| 82.5° | 306.4  | 237.9  | 146.7  | 112.5  | 93.2   | 80.3   | 66.9   | 58.1   | 53.5   | 51.8   | 54.8   |
| 85°   | 158.4  | 119.1  | 89.5   | 76.9   | 71.5   | 65.2   | 53.5   | 44.7   | 44.3   | 46.4   | 53.5   |
| 87.5° | 58.5   | 51.0   | 40.1   | 34.7   | 37.2   | 34.7   | 25.1   | 21.7   | 19.6   | 25.9   | 37.6   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 |
| 2.5°  | 1238.2 | 1237.4 | 1237.8 | 1237.0 | 1237.0 | 1238.2 | 1236.6 | 1235.3 | 1237.4 | 1237.4 | 1238.7 |
| 5°    | 1219.0 | 1219.8 | 1219.8 | 1219.4 | 1220.3 | 1222.4 | 1221.9 | 1221.9 | 1225.3 | 1226.5 | 1228.2 |
| 7.5°  | 1188.5 | 1189.7 | 1190.2 | 1191.4 | 1191.8 | 1194.8 | 1196.9 | 1199.4 | 1204.4 | 1205.6 | 1209.4 |
| 10°   | 1147.1 | 1146.3 | 1149.2 | 1148.8 | 1152.5 | 1155.0 | 1156.7 | 1162.2 | 1169.7 | 1173.9 | 1177.6 |
| 12.5° | 1098.2 | 1098.2 | 1099.9 | 1100.3 | 1103.6 | 1107.0 | 1109.1 | 1115.8 | 1122.0 | 1127.5 | 1135.8 |
| 15°   | 1046.4 | 1044.7 | 1040.9 | 1040.5 | 1041.8 | 1045.1 | 1049.7 | 1054.7 | 1064.3 | 1072.3 | 1079.4 |
| 17.5° | 992.0  | 987.0  | 982.4  | 976.5  | 976.1  | 975.7  | 978.2  | 982.0  | 997.0  | 1005.0 | 1015.0 |
| 20°   | 943.9  | 933.1  | 922.2  | 910.1  | 903.0  | 899.6  | 900.9  | 905.9  | 920.1  | 930.6  | 941.0  |
| 22.5° | 900.9  | 884.6  | 867.4  | 848.2  | 836.5  | 829.4  | 830.2  | 832.3  | 842.8  | 849.0  | 854.5  |
| 25°   | 864.1  | 841.5  | 817.7  | 793.0  | 776.7  | 765.9  | 765.4  | 765.4  | 760.8  | 761.7  | 758.7  |
| 27.5° | 839.0  | 807.7  | 777.1  | 748.3  | 727.0  | 716.1  | 701.5  | 691.0  | 681.8  | 669.3  | 663.8  |
| 30°   | 814.8  | 782.6  | 747.9  | 716.1  | 690.6  | 669.3  | 642.1  | 619.5  | 601.6  | 584.4  | 569.8  |
| 32.5° | 793.0  | 759.6  | 726.6  | 691.9  | 656.7  | 620.0  | 584.4  | 558.5  | 533.0  | 506.7  | 489.1  |
| 35°   | 773.8  | 742.4  | 709.4  | 670.1  | 620.8  | 572.7  | 532.6  | 497.5  | 467.4  | 435.6  | 410.1  |
| 37.5° | 762.9  | 734.5  | 700.2  | 646.7  | 584.8  | 530.1  | 485.3  | 446.1  | 405.9  | 367.9  | 336.5  |
| 40°   | 757.5  | 732.4  | 690.6  | 622.9  | 552.7  | 494.1  | 444.4  | 397.1  | 349.9  | 305.2  | 272.6  |
| 42.5° | 756.7  | 732.4  | 676.4  | 598.6  | 525.1  | 462.4  | 406.8  | 349.9  | 292.6  | 249.2  | 220.3  |
| 45°   | 764.2  | 731.6  | 661.3  | 576.9  | 500.4  | 433.9  | 367.0  | 300.2  | 241.2  | 203.2  | 187.3  |
| 47.5° | 785.9  | 734.5  | 649.6  | 558.5  | 477.0  | 402.6  | 321.9  | 245.0  | 194.8  | 177.7  | 177.2  |
| 50°   | 821.0  | 747.9  | 647.1  | 545.1  | 454.0  | 363.3  | 268.8  | 196.1  | 171.8  | 171.0  | 175.6  |
| 52.5° | 876.6  | 773.0  | 653.4  | 535.9  | 426.4  | 312.3  | 212.8  | 169.3  | 164.7  | 169.3  | 175.2  |
| 55°   | 999.1  | 817.7  | 661.8  | 519.6  | 381.7  | 247.5  | 175.2  | 160.5  | 162.6  | 168.1  | 173.5  |
| 57.5° | 1221.9 | 910.5  | 670.5  | 482.8  | 309.4  | 190.2  | 157.6  | 157.2  | 160.9  | 165.5  | 170.6  |
| 60°   | 1363.2 | 1025.0 | 691.9  | 428.5  | 233.7  | 157.2  | 150.9  | 155.1  | 159.7  | 163.0  | 167.2  |
| 62.5° | 1367.8 | 1055.1 | 703.1  | 370.4  | 173.9  | 143.8  | 145.1  | 153.0  | 158.4  | 159.7  | 161.8  |
| 65°   | 1279.6 | 998.3  | 652.1  | 301.4  | 144.2  | 136.3  | 140.9  | 148.0  | 153.4  | 154.3  | 155.9  |
| 67.5° | 1117.8 | 880.4  | 552.7  | 227.4  | 131.3  | 130.4  | 135.4  | 140.9  | 144.6  | 148.0  | 150.5  |
| 70°   | 841.9  | 726.6  | 444.4  | 176.4  | 123.3  | 122.5  | 127.5  | 132.1  | 135.4  | 139.6  | 143.8  |
| 72.5° | 426.8  | 502.9  | 336.9  | 144.2  | 112.5  | 113.3  | 118.7  | 122.9  | 125.4  | 129.2  | 133.4  |
| 75°   | 145.5  | 219.5  | 213.2  | 116.6  | 100.3  | 103.7  | 106.2  | 110.8  | 114.5  | 117.1  | 119.1  |
| 77.5° | 91.1   | 95.3   | 109.9  | 94.1   | 88.6   | 89.5   | 93.6   | 97.8   | 102.0  | 103.7  | 104.5  |
| 80°   | 76.1   | 76.5   | 76.9   | 75.2   | 75.7   | 78.2   | 80.7   | 85.3   | 89.5   | 90.3   | 90.7   |
| 82.5° | 60.2   | 64.4   | 64.0   | 63.5   | 65.6   | 68.1   | 69.8   | 71.5   | 73.2   | 74.0   | 75.2   |
| 85°   | 53.1   | 52.3   | 52.7   | 53.9   | 52.3   | 50.6   | 50.2   | 50.2   | 52.7   | 55.6   | 56.9   |
| 87.5° | 48.5   | 41.4   | 30.9   | 29.3   | 29.3   | 28.4   | 26.8   | 26.8   | 29.3   | 31.8   | 33.0   |
| 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):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1245.8 | 1245.8 | 1245.8 | 1245.8 | 1245.8 |
| 2.5°  | 1238.2 | 1238.7 | 1238.2 | 1238.2 | 1240.3 |
| 5°    | 1229.0 | 1230.7 | 1229.9 | 1231.1 | 1232.4 |
| 7.5°  | 1210.2 | 1214.4 | 1215.2 | 1218.6 | 1217.3 |
| 10°   | 1183.1 | 1186.0 | 1190.2 | 1193.5 | 1192.3 |
| 12.5° | 1140.0 | 1147.1 | 1153.4 | 1157.1 | 1156.3 |
| 15°   | 1085.2 | 1095.3 | 1103.6 | 1106.6 | 1103.2 |
| 17.5° | 1026.7 | 1033.0 | 1043.0 | 1045.1 | 1048.4 |
| 20°   | 952.7  | 952.3  | 961.1  | 961.1  | 959.4  |
| 22.5° | 856.1  | 862.4  | 862.4  | 856.6  | 853.6  |
| 25°   | 757.5  | 759.6  | 753.3  | 754.6  | 746.6  |
| 27.5° | 658.4  | 653.0  | 648.0  | 650.1  | 644.2  |
| 30°   | 563.9  | 552.2  | 547.2  | 548.1  | 541.8  |
| 32.5° | 473.2  | 459.4  | 454.4  | 447.7  | 442.3  |
| 35°   | 390.9  | 369.1  | 356.2  | 352.8  | 356.6  |
| 37.5° | 310.2  | 294.7  | 279.3  | 268.0  | 269.2  |
| 40°   | 245.4  | 229.5  | 219.5  | 214.9  | 214.0  |
| 42.5° | 202.8  | 193.6  | 191.5  | 191.9  | 191.9  |
| 45°   | 183.9  | 184.4  | 186.0  | 187.7  | 188.1  |
| 47.5° | 180.2  | 182.7  | 185.6  | 187.7  | 188.1  |
| 50°   | 179.8  | 182.3  | 184.4  | 186.9  | 187.7  |
| 52.5° | 179.3  | 181.0  | 182.3  | 183.5  | 184.8  |
| 55°   | 177.7  | 178.5  | 178.1  | 178.9  | 180.2  |
| 57.5° | 173.5  | 173.9  | 173.1  | 173.5  | 176.0  |
| 60°   | 169.7  | 170.1  | 168.5  | 170.6  | 171.0  |
| 62.5° | 165.1  | 164.7  | 163.9  | 165.1  | 165.1  |
| 65°   | 158.4  | 155.9  | 156.8  | 158.0  | 158.4  |
| 67.5° | 150.5  | 148.0  | 148.0  | 148.8  | 150.1  |
| 70°   | 140.5  | 139.2  | 139.2  | 140.9  | 142.6  |
| 72.5° | 129.2  | 130.0  | 132.5  | 135.0  | 137.5  |
| 75°   | 120.0  | 122.1  | 124.6  | 130.8  | 134.6  |
| 77.5° | 108.3  | 108.7  | 110.8  | 117.1  | 123.7  |
| 80°   | 92.0   | 91.6   | 92.0   | 92.8   | 94.1   |
| 82.5° | 72.7   | 71.9   | 69.4   | 70.2   | 68.6   |
| 85°   | 53.5   | 52.3   | 49.3   | 47.2   | 46.8   |
| 87.5° | 30.9   | 30.9   | 29.7   | 28.0   | 26.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)