

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: P1211743

Luminaire Tested: **GKO-PB1F-850-U-T3**

Issue Date: 11/5/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P1211743  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1F-850-U-T3  
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC  
Light Source: (10) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

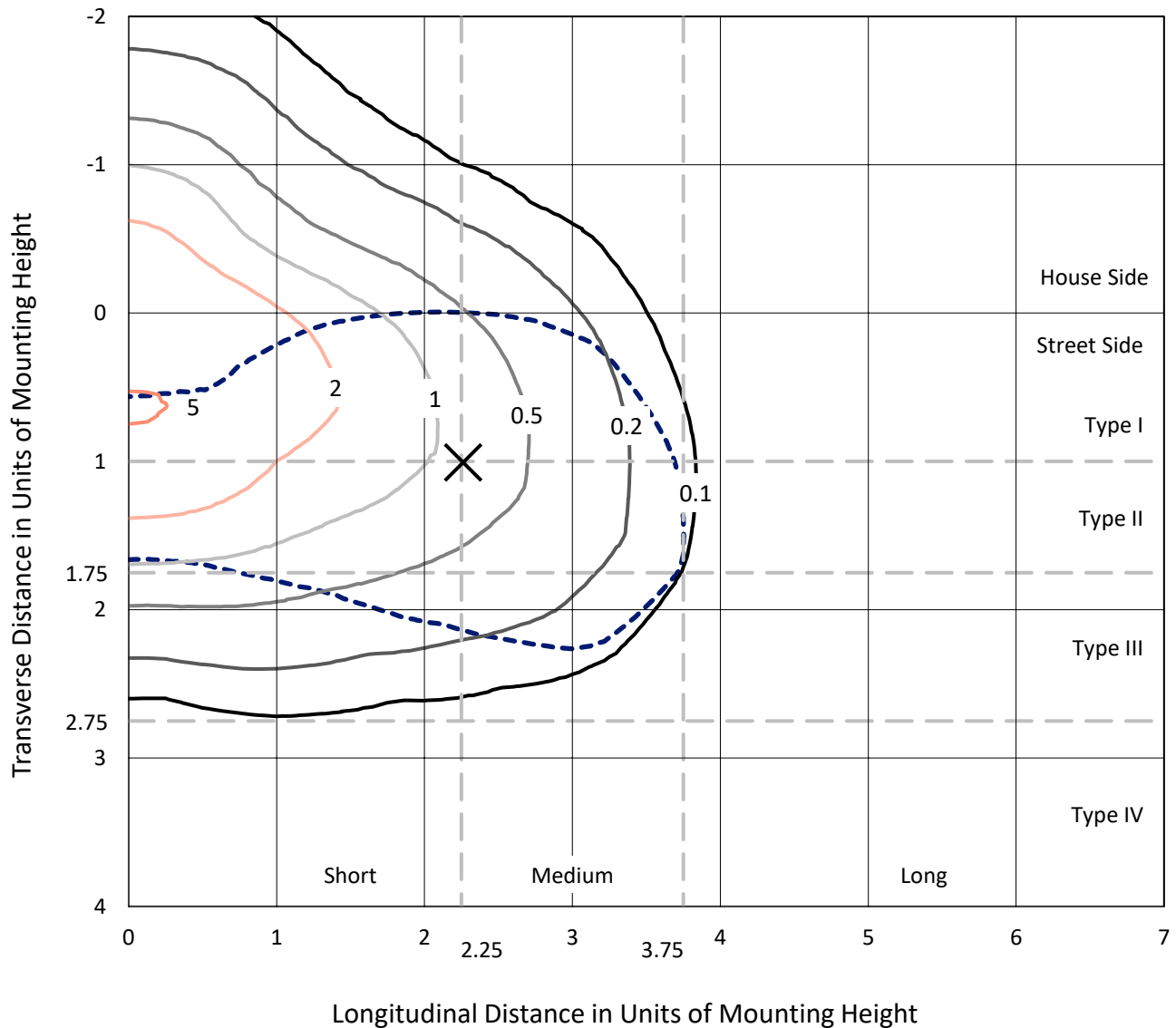
Lumens per Lamp: N/A  
Luminaire Lumens: 6145 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.7%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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## Iso-Footcandle Lines of Horizontal Illumination

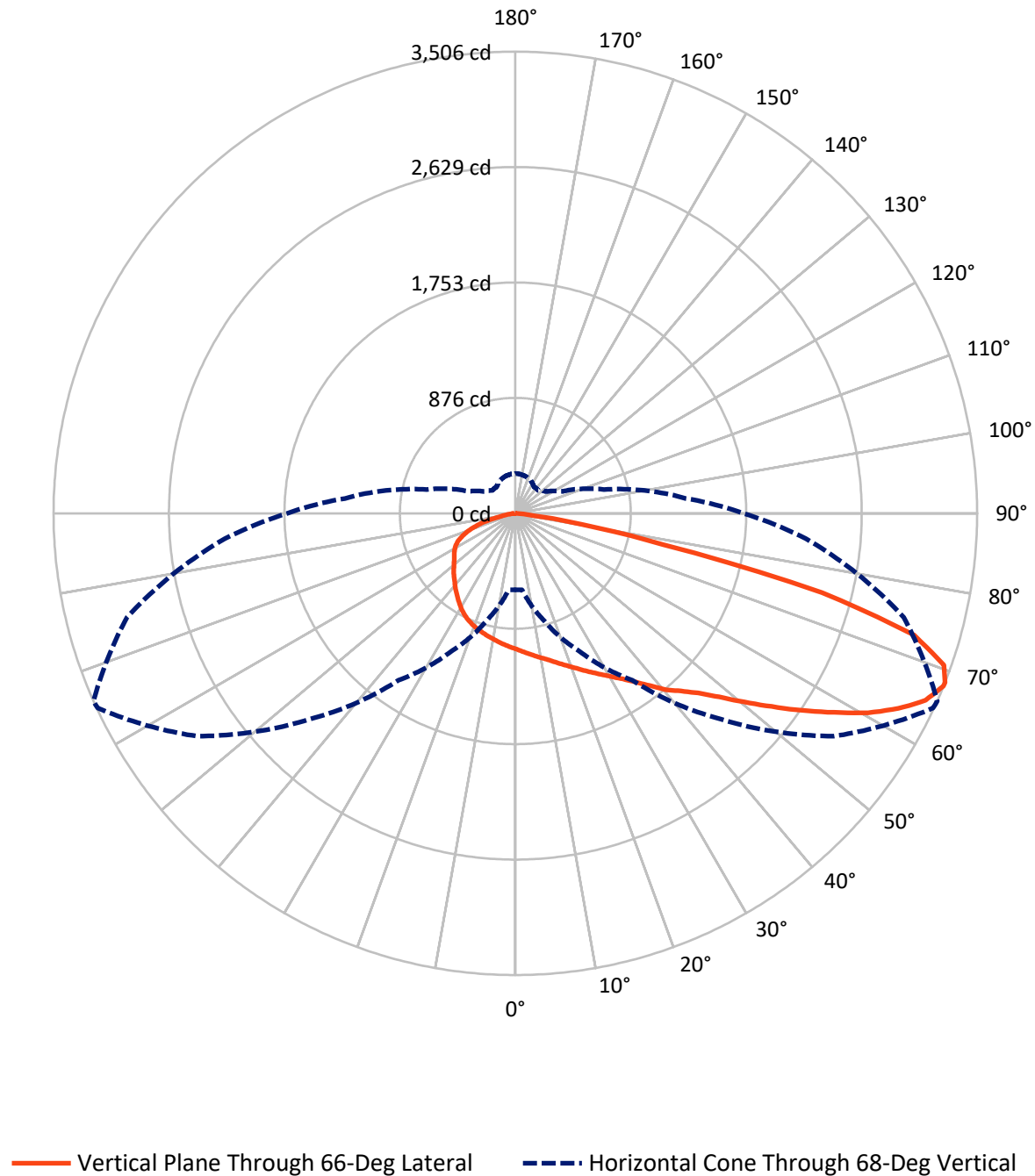
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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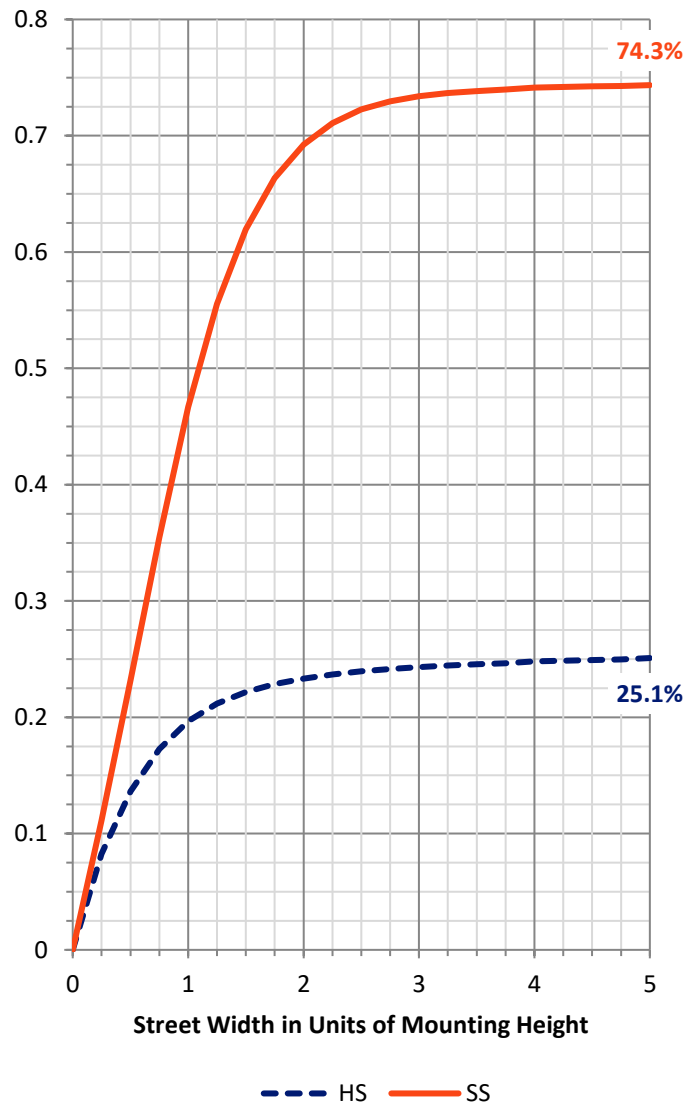
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1573.2   | 0.0    | 1573.2 |
|                    | % Fixture | 25.6     | 0.0    | 25.6   |
| <b>Street Side</b> | Lumens    | 4571.8   | 0.0    | 4571.8 |
|                    | % Fixture | 74.4     | 0.0    | 74.4   |
| <b>Total</b>       | Lumens    | 6145.0   | 0.0    | 6145.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.9   | 1.6       |
| 10°-20°   | 297.2  | 4.8       |
| 20°-30°   | 512.1  | 8.3       |
| 30°-40°   | 794.4  | 12.9      |
| 40°-50°   | 1088.3 | 17.7      |
| 50°-60°   | 1298.3 | 21.1      |
| 60°-70°   | 1300.9 | 21.2      |
| 70°-80°   | 688.4  | 11.2      |
| 80°-90°   | 66.4   | 1.1       |
| 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°    | 6145.0 | 100.0     |
| 0°-180°   | 6145.0 | 100.0     |



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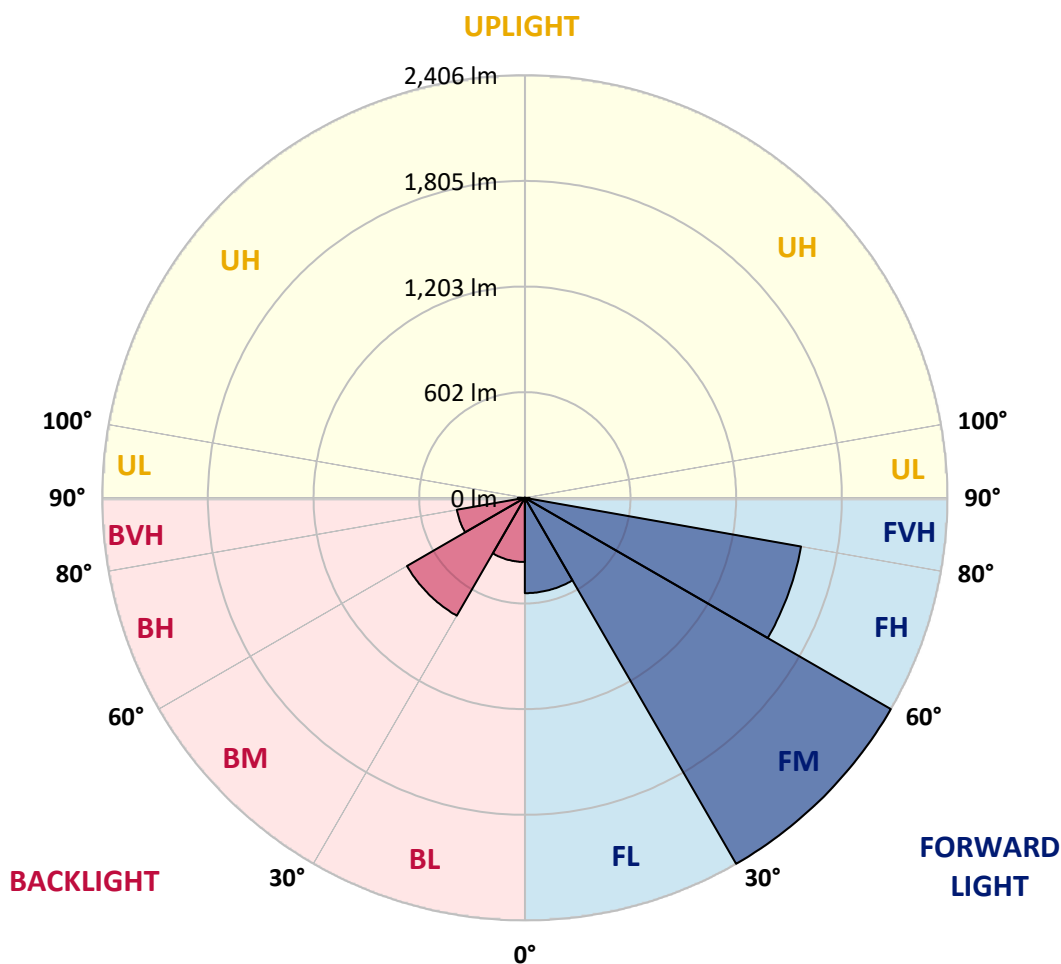
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 542.8  | 8.8       |                         |      |         |
| FM   | (30°-60°)   | 2406.1 | 39.2      |                         |      |         |
| FH   | (60°-80°)   | 1596.8 | 26.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 26.1   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 365.4  | 5.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 775.0  | 12.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 392.5  | 6.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 40.3   | 0.7       |                         |      | 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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 |
| 2.5°  | 1073.6 | 1073.6 | 1071.2 | 1070.0 | 1068.8 | 1061.7 | 1056.9 | 1050.9 | 1050.9 | 1041.4 | 1033.0 |
| 5°    | 1110.6 | 1111.8 | 1107.0 | 1107.0 | 1102.2 | 1092.7 | 1083.1 | 1071.2 | 1071.2 | 1056.9 | 1040.2 |
| 7.5°  | 1142.8 | 1146.4 | 1141.6 | 1141.6 | 1136.8 | 1126.1 | 1110.6 | 1093.9 | 1093.9 | 1073.6 | 1049.7 |
| 10°   | 1173.8 | 1176.2 | 1173.8 | 1176.2 | 1169.0 | 1159.5 | 1141.6 | 1118.9 | 1117.7 | 1092.7 | 1059.3 |
| 12.5° | 1198.9 | 1201.2 | 1202.4 | 1206.0 | 1200.0 | 1192.9 | 1176.2 | 1147.6 | 1144.0 | 1114.2 | 1071.2 |
| 15°   | 1222.7 | 1225.1 | 1228.7 | 1233.4 | 1232.3 | 1226.3 | 1210.8 | 1178.6 | 1176.2 | 1138.0 | 1086.7 |
| 17.5° | 1241.8 | 1243.0 | 1250.1 | 1259.7 | 1262.1 | 1263.3 | 1246.6 | 1213.2 | 1210.8 | 1165.4 | 1103.4 |
| 20°   | 1269.2 | 1271.6 | 1278.8 | 1288.3 | 1295.5 | 1300.2 | 1287.1 | 1250.1 | 1247.8 | 1197.7 | 1124.9 |
| 22.5° | 1331.3 | 1327.7 | 1331.3 | 1331.3 | 1334.8 | 1342.0 | 1332.5 | 1295.5 | 1290.7 | 1235.8 | 1151.1 |
| 25°   | 1448.2 | 1444.6 | 1435.0 | 1413.6 | 1389.7 | 1388.5 | 1377.8 | 1342.0 | 1336.0 | 1275.2 | 1176.2 |
| 27.5° | 1611.6 | 1603.2 | 1585.3 | 1540.0 | 1482.8 | 1445.8 | 1429.1 | 1392.1 | 1384.9 | 1314.6 | 1200.0 |
| 30°   | 1784.6 | 1794.1 | 1764.3 | 1702.2 | 1597.3 | 1518.5 | 1486.3 | 1444.6 | 1438.6 | 1358.7 | 1228.7 |
| 32.5° | 1986.2 | 1987.3 | 1957.5 | 1871.6 | 1735.6 | 1610.4 | 1555.5 | 1504.2 | 1499.5 | 1410.0 | 1266.8 |
| 35°   | 2103.1 | 2107.8 | 2094.7 | 2014.8 | 1859.7 | 1711.8 | 1639.0 | 1577.0 | 1573.4 | 1474.4 | 1314.6 |
| 37.5° | 2224.7 | 2235.5 | 2215.2 | 2126.9 | 1953.9 | 1806.0 | 1732.1 | 1664.1 | 1660.5 | 1548.4 | 1374.2 |
| 40°   | 2404.9 | 2400.1 | 2378.6 | 2248.6 | 2042.2 | 1884.8 | 1823.9 | 1770.2 | 1761.9 | 1639.0 | 1435.0 |
| 42.5° | 2534.9 | 2546.8 | 2500.3 | 2353.6 | 2138.8 | 1963.5 | 1915.8 | 1854.9 | 1844.2 | 1693.9 | 1470.8 |
| 45°   | 2579.0 | 2568.3 | 2517.0 | 2409.6 | 2265.3 | 2035.1 | 2002.9 | 1956.3 | 1945.6 | 1790.5 | 1541.2 |
| 47.5° | 2588.6 | 2569.5 | 2524.1 | 2443.0 | 2372.6 | 2128.1 | 2109.0 | 2098.3 | 2082.8 | 1912.2 | 1625.9 |
| 50°   | 2530.1 | 2517.0 | 2495.5 | 2455.0 | 2441.8 | 2215.2 | 2224.7 | 2264.1 | 2251.0 | 2043.4 | 1720.1 |
| 52.5° | 2397.7 | 2391.7 | 2410.8 | 2437.1 | 2402.5 | 2290.3 | 2361.9 | 2441.8 | 2437.1 | 2187.8 | 1821.5 |
| 55°   | 2148.4 | 2148.4 | 2255.7 | 2347.6 | 2367.9 | 2339.2 | 2509.8 | 2647.0 | 2641.0 | 2350.0 | 1918.2 |
| 57.5° | 1920.5 | 1924.1 | 2013.6 | 2220.0 | 2305.8 | 2391.7 | 2674.4 | 2861.7 | 2852.2 | 2532.5 | 2019.6 |
| 60°   | 1633.1 | 1633.1 | 1769.0 | 2027.9 | 2216.4 | 2432.3 | 2820.0 | 3069.3 | 3075.3 | 2709.0 | 2119.8 |
| 62.5° | 1293.1 | 1296.7 | 1485.1 | 1789.3 | 2087.5 | 2439.5 | 2935.7 | 3264.9 | 3263.7 | 2868.9 | 2197.3 |
| 65°   | 953.1  | 954.3  | 1210.8 | 1524.5 | 1894.3 | 2389.3 | 2998.9 | 3415.2 | 3422.4 | 2995.3 | 2242.6 |
| 67.5° | 619.1  | 631.0  | 891.1  | 1237.0 | 1621.1 | 2247.4 | 2965.5 | 3495.2 | 3503.5 | 3053.8 | 2228.3 |
| 68°   | 579.7  | 582.1  | 843.4  | 1158.3 | 1547.2 | 2211.6 | 2950.0 | 3498.7 | 3505.9 | 3052.6 | 2214.0 |
| 70°   | 375.8  | 375.8  | 603.6  | 904.2  | 1234.6 | 1988.5 | 2815.2 | 3442.7 | 3451.0 | 3000.1 | 2110.2 |
| 72.5° | 202.8  | 206.4  | 344.7  | 547.5  | 843.4  | 1538.8 | 2540.8 | 3150.4 | 3164.7 | 2712.6 | 1845.4 |
| 75°   | 142.0  | 144.3  | 200.4  | 306.6  | 459.3  | 1002.0 | 1986.2 | 2407.2 | 2404.9 | 1874.0 | 1155.9 |
| 77.5° | 102.6  | 102.6  | 114.5  | 190.9  | 241.0  | 458.1  | 982.9  | 1159.5 | 1146.4 | 914.9  | 583.3  |
| 80°   | 66.8   | 66.8   | 71.6   | 100.2  | 115.7  | 139.6  | 300.6  | 502.2  | 511.7  | 446.1  | 291.1  |
| 82.5° | 27.4   | 28.6   | 31.0   | 40.6   | 41.8   | 58.5   | 85.9   | 144.3  | 139.6  | 113.3  | 82.3   |
| 85°   | 3.6    | 3.6    | 4.8    | 6.0    | 7.2    | 13.1   | 11.9   | 11.9   | 11.9   | 14.3   | 13.1   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    | 2.4    | 3.6    | 3.6    | 4.8    | 3.6    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 | 1030.7 |
| 2.5°  | 1030.7 | 1030.7 | 1023.5 | 1016.3 | 1009.2 | 1003.2 | 994.9  | 988.9  | 990.1  | 993.7  | 992.5  |
| 5°    | 1036.6 | 1030.7 | 1016.3 | 1000.8 | 988.9  | 978.2  | 962.7  | 954.3  | 953.1  | 955.5  | 954.3  |
| 7.5°  | 1040.2 | 1030.7 | 1009.2 | 985.3  | 966.2  | 951.9  | 930.5  | 922.1  | 918.5  | 919.7  | 919.7  |
| 10°   | 1047.4 | 1031.8 | 1002.0 | 968.6  | 944.8  | 924.5  | 901.8  | 889.9  | 886.3  | 886.3  | 885.1  |
| 12.5° | 1055.7 | 1034.2 | 994.9  | 954.3  | 923.3  | 899.4  | 873.2  | 860.1  | 856.5  | 856.5  | 855.3  |
| 15°   | 1064.1 | 1037.8 | 987.7  | 938.8  | 903.0  | 874.4  | 849.3  | 833.8  | 829.1  | 829.1  | 831.4  |
| 17.5° | 1074.8 | 1041.4 | 980.6  | 924.5  | 881.5  | 849.3  | 823.1  | 807.6  | 801.6  | 805.2  | 807.6  |
| 20°   | 1085.5 | 1048.5 | 973.4  | 909.0  | 860.1  | 826.7  | 800.4  | 784.9  | 779.0  | 784.9  | 786.1  |
| 22.5° | 1101.0 | 1054.5 | 965.0  | 891.1  | 838.6  | 801.6  | 777.8  | 763.4  | 759.9  | 765.8  | 770.6  |
| 25°   | 1116.5 | 1061.7 | 954.3  | 872.0  | 811.2  | 775.4  | 756.3  | 745.6  | 746.7  | 755.1  | 759.9  |
| 27.5° | 1133.2 | 1067.6 | 943.6  | 848.1  | 781.3  | 747.9  | 733.6  | 731.2  | 736.0  | 745.6  | 751.5  |
| 30°   | 1153.5 | 1076.0 | 929.3  | 820.7  | 747.9  | 718.1  | 712.2  | 719.3  | 727.7  | 737.2  | 743.2  |
| 32.5° | 1179.8 | 1086.7 | 914.9  | 789.7  | 713.3  | 685.9  | 695.5  | 711.0  | 720.5  | 730.0  | 736.0  |
| 35°   | 1216.7 | 1108.2 | 906.6  | 758.7  | 676.4  | 658.5  | 679.9  | 705.0  | 712.2  | 718.1  | 725.3  |
| 37.5° | 1259.7 | 1136.8 | 903.0  | 730.0  | 643.0  | 634.6  | 664.4  | 694.3  | 696.6  | 699.0  | 706.2  |
| 40°   | 1301.4 | 1158.3 | 893.5  | 699.0  | 608.4  | 608.4  | 645.4  | 674.0  | 672.8  | 669.2  | 674.0  |
| 42.5° | 1318.1 | 1155.9 | 866.0  | 669.2  | 580.9  | 582.1  | 615.5  | 643.0  | 635.8  | 635.8  | 643.0  |
| 45°   | 1365.9 | 1175.0 | 845.8  | 645.4  | 555.9  | 551.1  | 577.4  | 598.8  | 610.8  | 626.3  | 633.4  |
| 47.5° | 1426.7 | 1201.2 | 830.2  | 617.9  | 532.0  | 516.5  | 530.8  | 566.6  | 586.9  | 603.6  | 609.6  |
| 50°   | 1489.9 | 1231.1 | 815.9  | 589.3  | 508.2  | 477.2  | 484.3  | 523.7  | 541.6  | 549.9  | 553.5  |
| 52.5° | 1554.3 | 1258.5 | 805.2  | 565.4  | 480.7  | 430.6  | 446.1  | 483.1  | 496.2  | 501.0  | 503.4  |
| 55°   | 1611.6 | 1281.2 | 795.7  | 545.1  | 449.7  | 393.7  | 405.6  | 443.8  | 453.3  | 458.1  | 461.6  |
| 57.5° | 1672.4 | 1306.2 | 789.7  | 526.1  | 415.1  | 361.4  | 369.8  | 404.4  | 417.5  | 422.3  | 425.9  |
| 60°   | 1726.1 | 1330.1 | 784.9  | 505.8  | 382.9  | 332.8  | 337.6  | 371.0  | 385.3  | 387.7  | 391.3  |
| 62.5° | 1761.9 | 1345.6 | 777.8  | 480.7  | 353.1  | 305.4  | 306.6  | 338.8  | 354.3  | 356.7  | 359.1  |
| 65°   | 1771.4 | 1342.0 | 756.3  | 447.3  | 323.3  | 277.9  | 277.9  | 309.0  | 325.7  | 334.0  | 337.6  |
| 67.5° | 1742.8 | 1312.2 | 711.0  | 404.4  | 294.6  | 252.9  | 252.9  | 280.3  | 298.2  | 307.8  | 311.3  |
| 68°   | 1733.3 | 1299.1 | 696.6  | 393.7  | 287.5  | 246.9  | 246.9  | 275.6  | 292.3  | 300.6  | 303.0  |
| 70°   | 1652.1 | 1234.6 | 631.0  | 353.1  | 264.8  | 229.0  | 229.0  | 254.1  | 272.0  | 272.0  | 270.8  |
| 72.5° | 1435.0 | 1070.0 | 518.9  | 295.8  | 231.4  | 202.8  | 206.4  | 230.2  | 236.2  | 242.2  | 241.0  |
| 75°   | 888.7  | 640.6  | 348.3  | 233.8  | 194.4  | 177.7  | 184.9  | 206.4  | 209.9  | 223.1  | 219.5  |
| 77.5° | 444.9  | 313.7  | 184.9  | 136.0  | 150.3  | 152.7  | 165.8  | 181.3  | 192.1  | 206.4  | 196.8  |
| 80°   | 219.5  | 152.7  | 108.6  | 84.7   | 88.3   | 112.1  | 144.3  | 156.3  | 175.4  | 184.9  | 176.5  |
| 82.5° | 60.8   | 46.5   | 44.1   | 46.5   | 65.6   | 87.1   | 113.3  | 138.4  | 163.4  | 171.8  | 159.8  |
| 85°   | 10.7   | 8.4    | 7.2    | 22.7   | 45.3   | 64.4   | 91.9   | 122.9  | 146.7  | 140.8  | 132.4  |
| 87.5° | 3.6    | 2.4    | 2.4    | 14.3   | 33.4   | 52.5   | 78.7   | 109.7  | 125.3  | 113.3  | 101.4  |
| 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)