

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: P1211745

Luminaire Tested: **GKO-PB1F-827-U-T2R**

Issue Date: 11/5/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P1211745  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1F-827-U-T2R  
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II  
ROADWAY DISTRIBUTION OPTIC  
Light Source: (10) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5721.4 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type II - 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

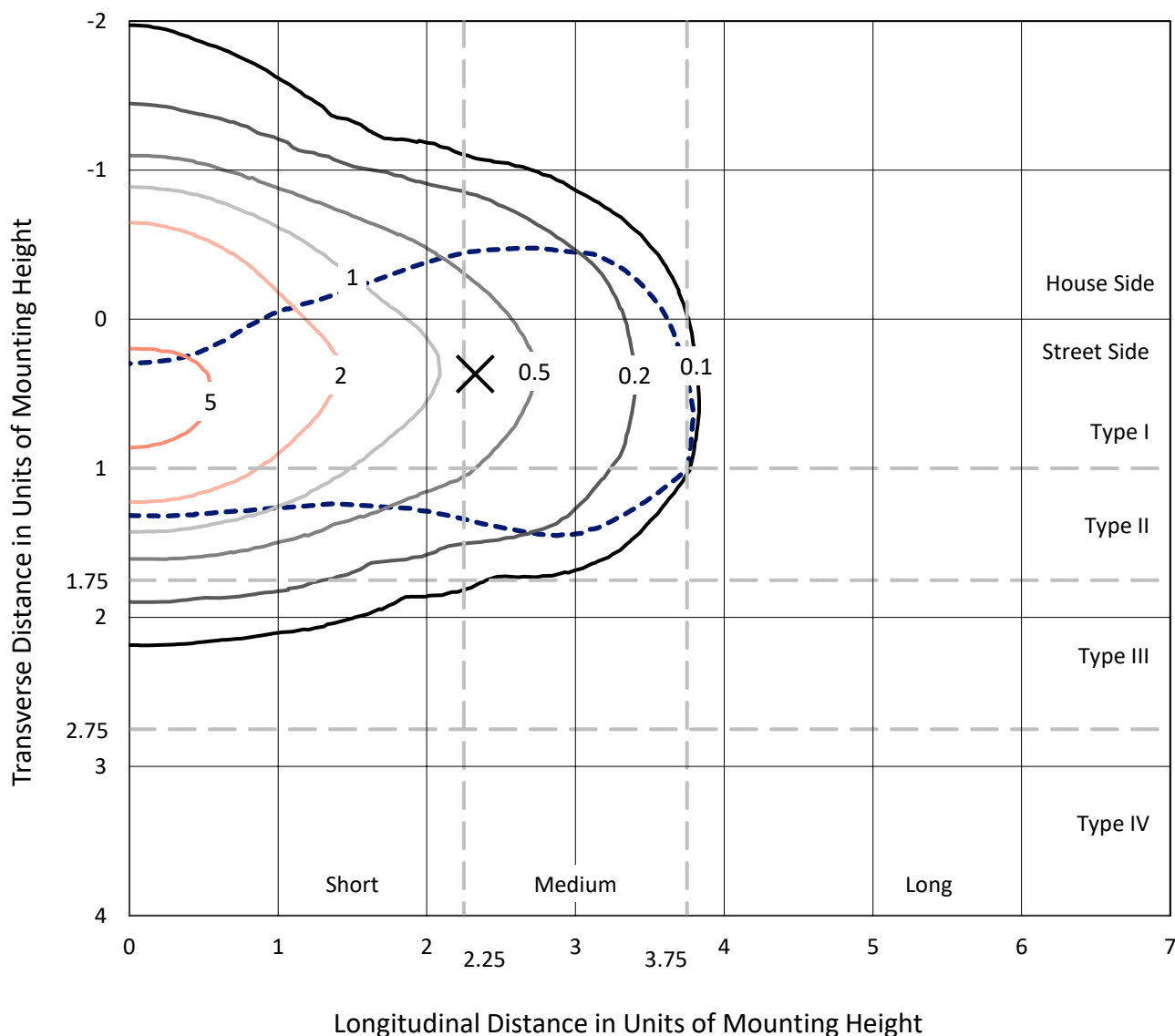
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

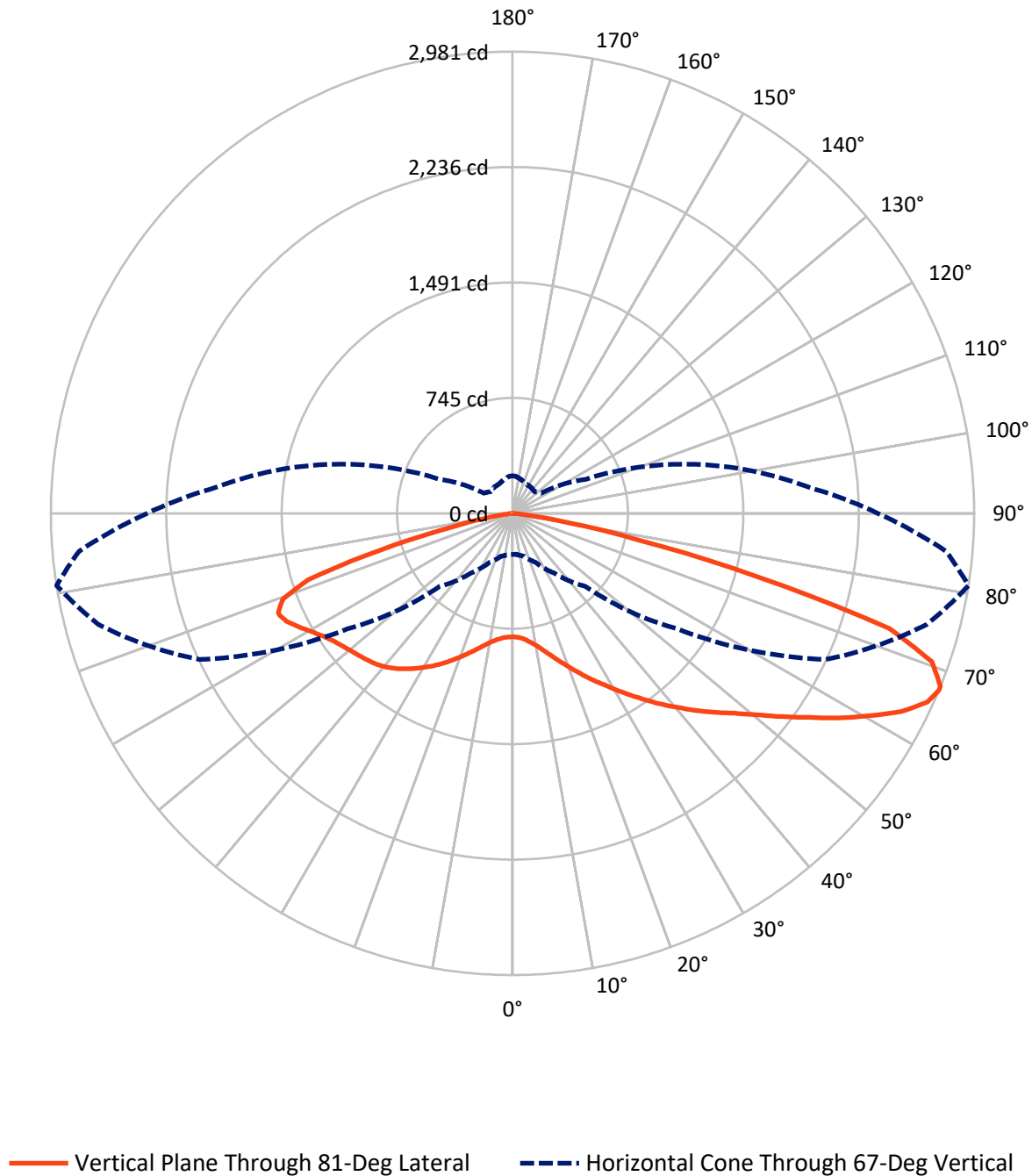
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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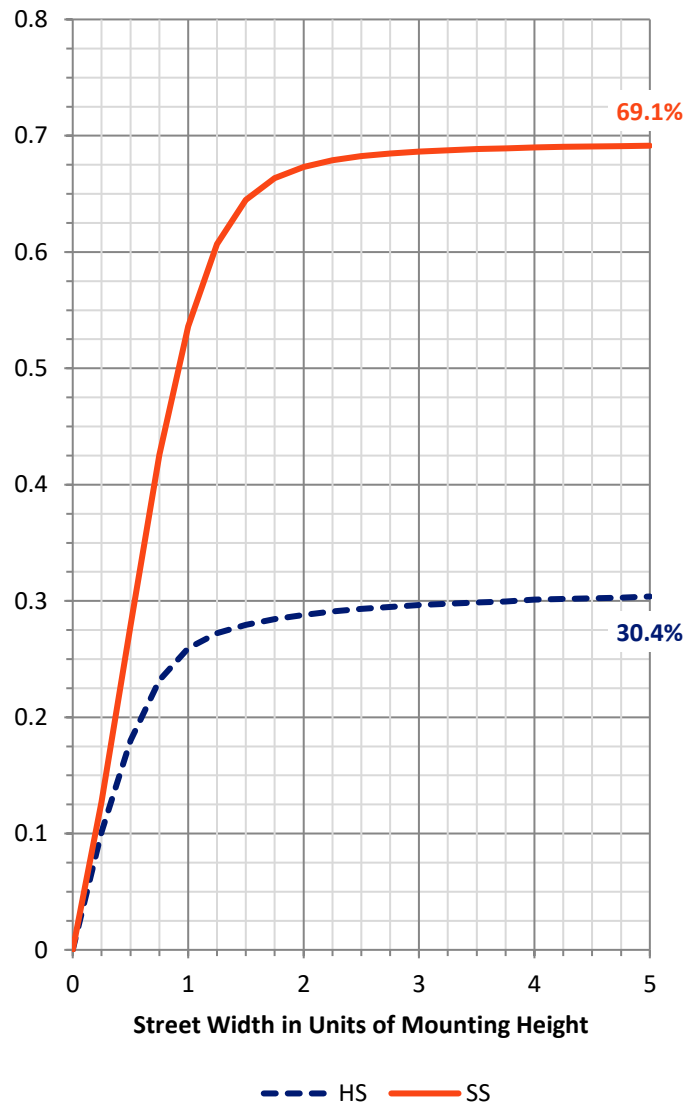
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1766.7   | 0.0    | 1766.7 |
|                    | % Fixture | 30.9     | 0.0    | 30.9   |
| <b>Street Side</b> | Lumens    | 3954.7   | 0.0    | 3954.7 |
|                    | % Fixture | 69.1     | 0.0    | 69.1   |
| <b>Total</b>       | Lumens    | 5721.4   | 0.0    | 5721.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.5   | 1.4       |
| 10°-20°   | 298.8  | 5.2       |
| 20°-30°   | 605.4  | 10.6      |
| 30°-40°   | 954.5  | 16.7      |
| 40°-50°   | 1172.3 | 20.5      |
| 50°-60°   | 1119.9 | 19.6      |
| 60°-70°   | 939.1  | 16.4      |
| 70°-80°   | 497.5  | 8.7       |
| 80°-90°   | 51.4   | 0.9       |
| 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°    | 5721.4 | 100.0     |
| 0°-180°   | 5721.4 | 100.0     |

**Coefficient of Utilization**



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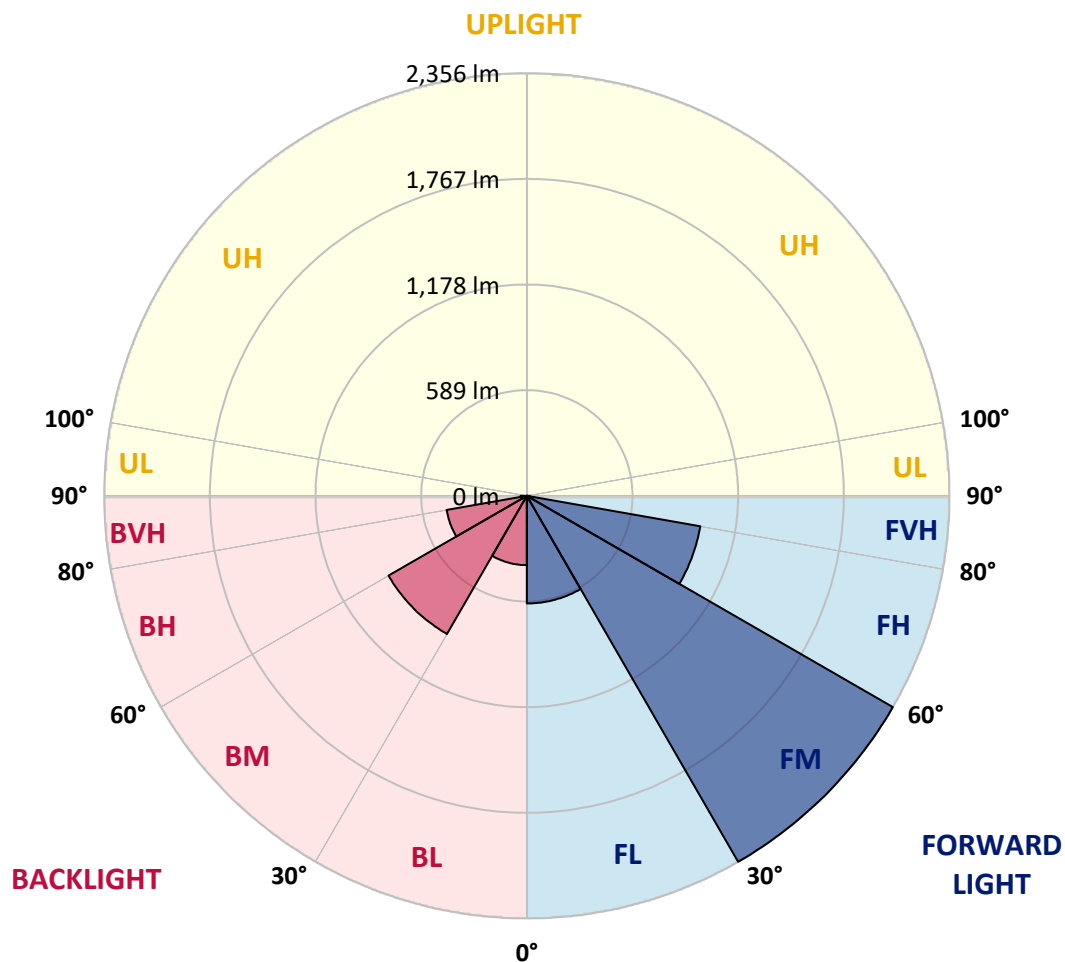
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 600.1  | 10.5      |                         |      |         |
| FM   | (30°-60°)   | 2356.4 | 41.2      |                         |      |         |
| FH   | (60°-80°)   | 982.2  | 17.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 16.0   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 386.6  | 6.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 890.2  | 15.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 454.5  | 7.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 35.4   | 0.6       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 81°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  | 797.0  |
| 2.5°  | 843.0  | 845.2  | 840.8  | 839.7  | 835.3  | 828.7  | 821.1  | 815.6  | 806.8  | 802.5  | 800.3  |
| 5°    | 922.9  | 918.5  | 915.2  | 909.7  | 894.4  | 881.3  | 859.4  | 844.1  | 827.6  | 816.7  | 813.4  |
| 7.5°  | 1020.3 | 1022.5 | 1011.6 | 997.3  | 975.4  | 949.2  | 914.1  | 885.7  | 855.0  | 840.8  | 834.2  |
| 10°   | 1126.5 | 1135.3 | 1124.3 | 1106.8 | 1065.2 | 1025.8 | 983.1  | 933.8  | 892.2  | 870.3  | 861.6  |
| 12.5° | 1255.7 | 1261.2 | 1246.9 | 1223.9 | 1173.6 | 1114.5 | 1054.3 | 992.9  | 938.2  | 910.8  | 895.5  |
| 15°   | 1400.2 | 1395.8 | 1381.6 | 1347.6 | 1283.1 | 1217.4 | 1135.3 | 1055.3 | 990.8  | 956.8  | 934.9  |
| 17.5° | 1549.1 | 1543.6 | 1525.0 | 1481.2 | 1407.9 | 1325.8 | 1228.3 | 1127.6 | 1046.6 | 1009.4 | 979.8  |
| 20°   | 1691.4 | 1685.9 | 1672.8 | 1623.5 | 1534.8 | 1434.1 | 1320.3 | 1210.8 | 1110.1 | 1064.1 | 1031.3 |
| 22.5° | 1849.0 | 1844.7 | 1823.9 | 1763.7 | 1668.4 | 1557.8 | 1425.4 | 1295.1 | 1179.1 | 1124.3 | 1084.9 |
| 25°   | 2019.8 | 2020.9 | 1997.9 | 1913.6 | 1806.3 | 1677.2 | 1538.1 | 1390.3 | 1256.8 | 1187.8 | 1142.9 |
| 27.5° | 2219.1 | 2218.0 | 2178.6 | 2087.7 | 1953.0 | 1804.2 | 1649.8 | 1490.0 | 1333.4 | 1252.4 | 1200.9 |
| 30°   | 2399.7 | 2395.3 | 2351.5 | 2260.7 | 2105.2 | 1937.7 | 1768.0 | 1586.3 | 1419.9 | 1323.6 | 1261.2 |
| 32.5° | 2533.3 | 2534.4 | 2498.2 | 2398.6 | 2246.4 | 2068.0 | 1878.6 | 1694.7 | 1503.1 | 1400.2 | 1331.2 |
| 35°   | 2629.6 | 2630.7 | 2595.7 | 2510.3 | 2368.0 | 2189.5 | 1995.7 | 1796.5 | 1596.2 | 1479.0 | 1404.6 |
| 37.5° | 2660.3 | 2660.3 | 2637.3 | 2570.5 | 2454.4 | 2299.0 | 2110.7 | 1912.5 | 1689.2 | 1564.4 | 1479.0 |
| 40°   | 2618.7 | 2621.9 | 2620.8 | 2577.1 | 2497.1 | 2374.5 | 2216.9 | 2024.2 | 1793.2 | 1648.7 | 1554.6 |
| 42.5° | 2524.5 | 2526.7 | 2530.0 | 2513.6 | 2488.4 | 2415.0 | 2302.3 | 2138.1 | 1897.2 | 1740.7 | 1629.0 |
| 45°   | 2369.1 | 2377.8 | 2394.2 | 2400.8 | 2410.7 | 2405.2 | 2354.8 | 2244.3 | 2013.3 | 1832.6 | 1702.3 |
| 47.5° | 2172.0 | 2186.2 | 2208.1 | 2247.5 | 2302.3 | 2346.1 | 2368.0 | 2326.4 | 2126.0 | 1927.9 | 1784.5 |
| 50°   | 1898.3 | 1913.6 | 1972.8 | 2054.9 | 2163.2 | 2248.6 | 2331.8 | 2387.7 | 2251.9 | 2043.9 | 1876.4 |
| 52.5° | 1519.5 | 1552.4 | 1652.0 | 1809.6 | 1995.7 | 2122.7 | 2255.2 | 2417.2 | 2380.0 | 2180.8 | 1985.9 |
| 55°   | 1156.1 | 1168.1 | 1296.2 | 1485.6 | 1772.4 | 1987.0 | 2150.1 | 2401.9 | 2500.4 | 2324.2 | 2110.7 |
| 57.5° | 807.9  | 821.1  | 932.7  | 1139.6 | 1457.1 | 1809.6 | 2045.0 | 2350.4 | 2609.9 | 2492.8 | 2254.1 |
| 60°   | 573.7  | 587.9  | 671.1  | 824.4  | 1132.0 | 1551.3 | 1947.6 | 2284.8 | 2705.1 | 2652.6 | 2419.4 |
| 62.5° | 417.1  | 424.8  | 468.6  | 597.7  | 817.8  | 1213.0 | 1808.5 | 2242.1 | 2771.9 | 2819.0 | 2589.1 |
| 65°   | 319.7  | 327.3  | 352.5  | 433.5  | 604.3  | 886.8  | 1558.9 | 2241.0 | 2789.4 | 2941.6 | 2735.8 |
| 67°   | 266.0  | 264.9  | 286.8  | 348.1  | 471.8  | 666.7  | 1301.7 | 2232.2 | 2769.7 | 2981.0 | 2810.2 |
| 67.5° | 251.8  | 256.2  | 273.7  | 325.1  | 445.6  | 614.2  | 1245.8 | 2218.0 | 2763.2 | 2979.9 | 2815.7 |
| 70°   | 200.3  | 201.4  | 216.8  | 257.3  | 335.0  | 445.6  | 896.6  | 2077.8 | 2663.5 | 2872.6 | 2754.4 |
| 72.5° | 146.7  | 145.6  | 168.6  | 194.9  | 256.2  | 324.0  | 601.0  | 1745.0 | 2447.9 | 2545.3 | 2449.0 |
| 75°   | 108.4  | 107.3  | 119.3  | 148.9  | 182.8  | 241.9  | 389.7  | 1138.5 | 1657.5 | 1619.1 | 1495.4 |
| 77.5° | 72.3   | 74.4   | 85.4   | 109.5  | 130.3  | 150.0  | 194.9  | 524.4  | 913.0  | 825.4  | 794.8  |
| 80°   | 43.8   | 40.5   | 48.2   | 62.4   | 75.5   | 76.6   | 83.2   | 226.6  | 391.9  | 373.3  | 350.3  |
| 82.5° | 15.3   | 15.3   | 18.6   | 25.2   | 25.2   | 25.2   | 30.7   | 54.7   | 77.7   | 71.2   | 67.9   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 3.3    | 2.2    | 4.4    | 7.7    | 8.8    | 8.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 2.2    | 3.3    | 4.4    | 4.4    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 797.0  | 797.0  | 797.0  | 797.0  | 797.0 | 797.0 | 797.0 | 797.0 | 797.0 | 797.0 | 797.0 |
| 2.5°  | 800.3  | 800.3  | 797.0  | 792.6  | 790.4 | 789.3 | 786.0 | 781.7 | 784.9 | 788.2 | 788.2 |
| 5°    | 811.2  | 809.0  | 802.5  | 798.1  | 794.8 | 794.8 | 790.4 | 789.3 | 792.6 | 795.9 | 794.8 |
| 7.5°  | 828.7  | 824.4  | 816.7  | 810.1  | 811.2 | 812.3 | 805.7 | 805.7 | 809.0 | 812.3 | 812.3 |
| 10°   | 852.8  | 845.2  | 837.5  | 832.0  | 833.1 | 834.2 | 827.6 | 825.4 | 828.7 | 832.0 | 834.2 |
| 12.5° | 883.5  | 873.6  | 864.9  | 859.4  | 858.3 | 859.4 | 852.8 | 850.6 | 850.6 | 852.8 | 852.8 |
| 15°   | 919.6  | 908.6  | 897.7  | 890.0  | 887.8 | 886.8 | 878.0 | 870.3 | 870.3 | 871.4 | 871.4 |
| 17.5° | 961.2  | 945.9  | 931.6  | 922.9  | 917.4 | 909.7 | 899.9 | 888.9 | 885.7 | 886.8 | 886.8 |
| 20°   | 1002.8 | 986.4  | 967.8  | 955.7  | 944.8 | 931.6 | 916.3 | 902.1 | 895.5 | 895.5 | 894.4 |
| 22.5° | 1051.0 | 1029.1 | 1003.9 | 987.5  | 967.8 | 945.9 | 924.0 | 905.4 | 898.8 | 896.6 | 896.6 |
| 25°   | 1100.2 | 1075.1 | 1038.9 | 1013.7 | 985.3 | 953.5 | 925.1 | 899.9 | 888.9 | 884.6 | 884.6 |
| 27.5° | 1150.6 | 1121.0 | 1074.0 | 1037.8 | 996.2 | 952.4 | 914.1 | 882.4 | 867.0 | 861.6 | 859.4 |
| 30°   | 1207.5 | 1164.8 | 1104.6 | 1055.3 | 998.4 | 942.6 | 893.3 | 856.1 | 833.1 | 820.0 | 821.1 |
| 32.5° | 1266.6 | 1213.0 | 1133.1 | 1066.3 | 995.1 | 924.0 | 861.6 | 814.5 | 784.9 | 772.9 | 768.5 |
| 35°   | 1326.8 | 1259.0 | 1158.3 | 1071.8 | 984.2 | 895.5 | 821.1 | 768.5 | 735.7 | 718.2 | 718.2 |
| 37.5° | 1388.2 | 1307.1 | 1175.8 | 1070.7 | 964.5 | 858.3 | 774.0 | 718.2 | 679.8 | 657.9 | 652.5 |
| 40°   | 1448.4 | 1352.0 | 1188.9 | 1061.9 | 934.9 | 813.4 | 723.6 | 663.4 | 612.0 | 583.5 | 579.1 |
| 42.5° | 1507.5 | 1389.2 | 1195.5 | 1047.7 | 899.9 | 764.1 | 666.7 | 585.7 | 536.4 | 510.2 | 509.1 |
| 45°   | 1561.1 | 1418.8 | 1196.6 | 1029.1 | 853.9 | 708.3 | 590.1 | 512.3 | 463.1 | 435.7 | 435.7 |
| 47.5° | 1613.7 | 1451.6 | 1195.5 | 1005.0 | 803.6 | 636.1 | 509.1 | 433.5 | 388.6 | 371.1 | 365.6 |
| 50°   | 1677.2 | 1484.5 | 1194.4 | 975.4  | 739.0 | 549.6 | 430.2 | 365.6 | 327.3 | 309.8 | 309.8 |
| 52.5° | 1741.8 | 1522.8 | 1196.6 | 933.8  | 662.3 | 465.3 | 360.2 | 303.2 | 278.1 | 267.1 | 266.0 |
| 55°   | 1825.0 | 1563.3 | 1202.0 | 884.6  | 582.4 | 383.2 | 300.0 | 261.6 | 244.1 | 238.7 | 239.8 |
| 57.5° | 1925.7 | 1619.1 | 1213.0 | 826.5  | 489.4 | 314.2 | 257.3 | 236.5 | 232.1 | 234.3 | 235.4 |
| 60°   | 2040.6 | 1688.1 | 1228.3 | 760.9  | 407.2 | 261.6 | 232.1 | 227.7 | 232.1 | 240.8 | 241.9 |
| 62.5° | 2174.2 | 1771.3 | 1248.0 | 687.5  | 326.2 | 229.9 | 221.1 | 224.4 | 227.7 | 241.9 | 243.0 |
| 65°   | 2292.4 | 1861.1 | 1252.4 | 601.0  | 264.9 | 209.1 | 214.6 | 216.8 | 225.5 | 241.9 | 243.0 |
| 67°   | 2359.2 | 1922.4 | 1222.8 | 518.9  | 226.6 | 198.2 | 205.8 | 208.0 | 223.3 | 239.8 | 241.9 |
| 67.5° | 2366.9 | 1935.5 | 1203.1 | 498.1  | 219.0 | 196.0 | 203.6 | 208.0 | 223.3 | 239.8 | 240.8 |
| 70°   | 2343.9 | 1926.8 | 1071.8 | 375.5  | 180.6 | 180.6 | 189.4 | 199.2 | 214.6 | 232.1 | 239.8 |
| 72.5° | 2139.2 | 1757.1 | 829.8  | 255.1  | 153.3 | 163.1 | 176.3 | 190.5 | 204.7 | 225.5 | 238.7 |
| 75°   | 1352.0 | 1130.9 | 508.0  | 170.8  | 128.1 | 145.6 | 166.4 | 182.8 | 194.9 | 210.2 | 219.0 |
| 77.5° | 722.5  | 559.4  | 219.0  | 100.7  | 100.7 | 129.2 | 154.4 | 169.7 | 176.3 | 181.7 | 187.2 |
| 80°   | 341.6  | 260.6  | 106.2  | 60.2   | 70.1  | 100.7 | 136.8 | 153.3 | 155.5 | 162.0 | 164.2 |
| 82.5° | 67.9   | 59.1   | 35.0   | 31.7   | 46.0  | 72.3  | 113.9 | 132.5 | 133.6 | 144.5 | 146.7 |
| 85°   | 8.8    | 7.7    | 5.5    | 12.0   | 29.6  | 53.6  | 87.6  | 113.9 | 116.0 | 116.0 | 113.9 |
| 87.5° | 4.4    | 3.3    | 3.3    | 8.8    | 21.9  | 40.5  | 72.3  | 95.2  | 96.3  | 75.5  | 73.3  |
| 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)