

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: P1211837

Luminaire Tested: **GKO-PB2E-827-U-T3**

Issue Date: 11/5/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P1211837  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB2E-827-U-T3  
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC  
Light Source: (20) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

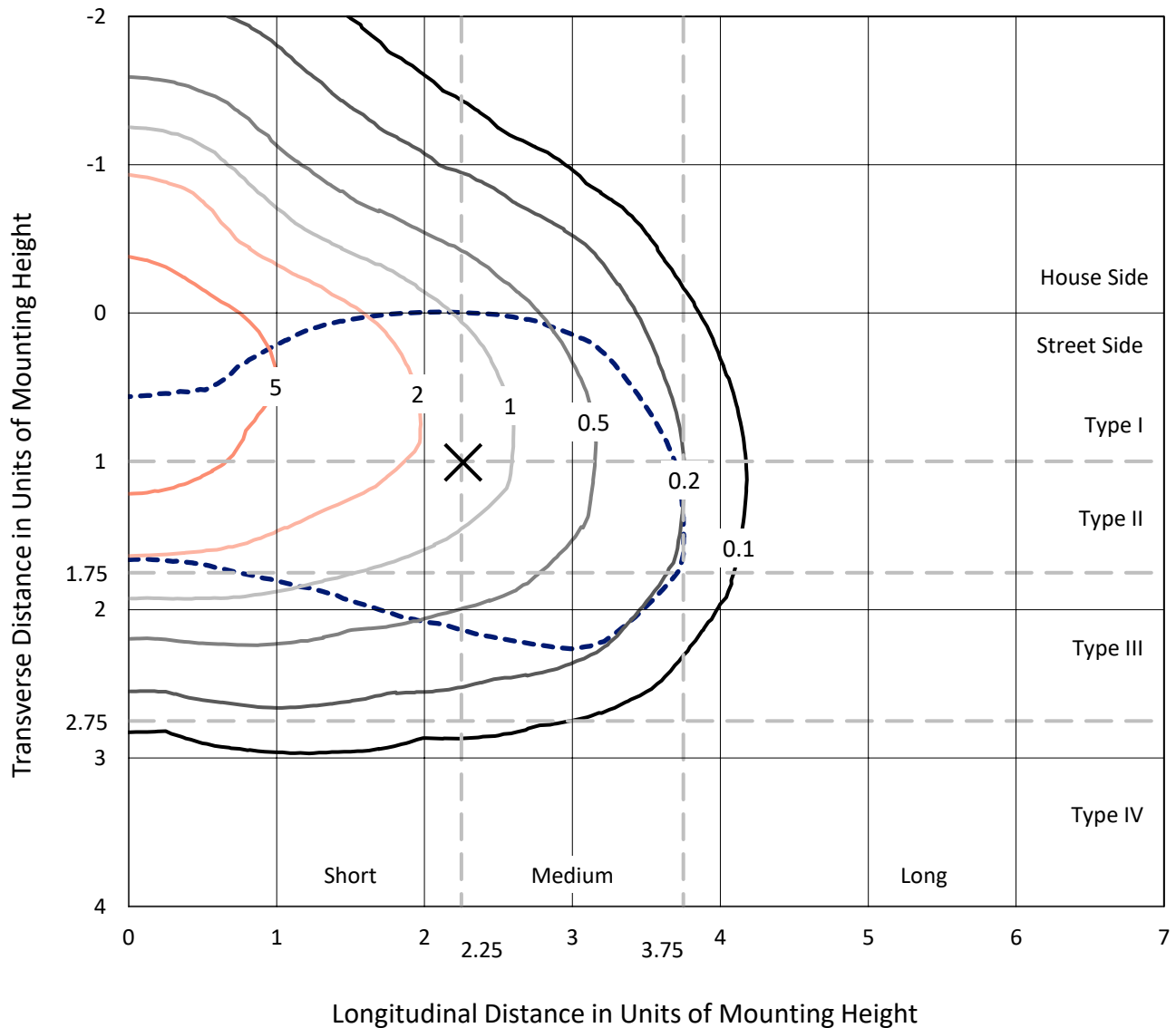
Lumens per Lamp: N/A  
Luminaire Lumens: 10842.8 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 104.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 6%  
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

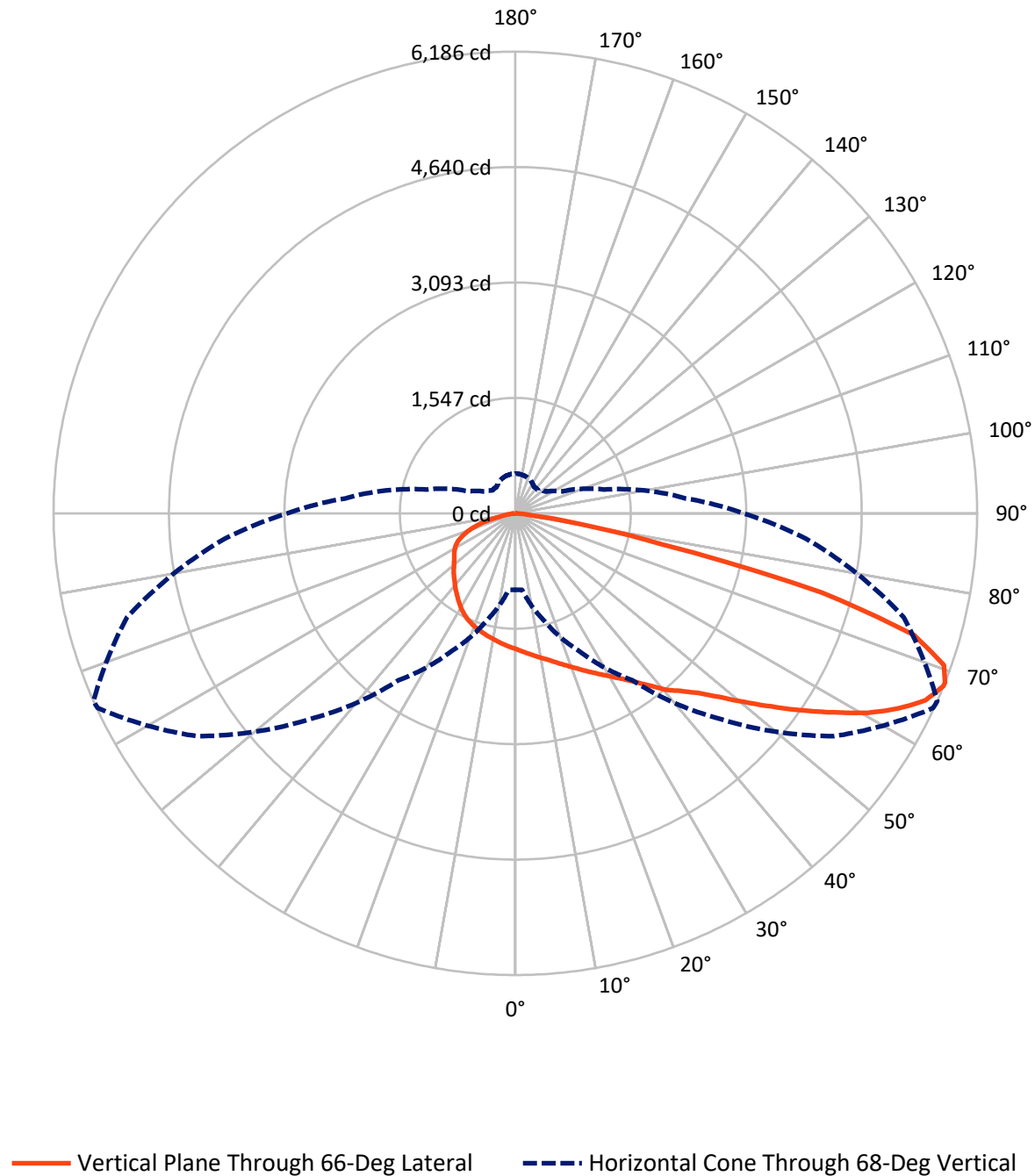
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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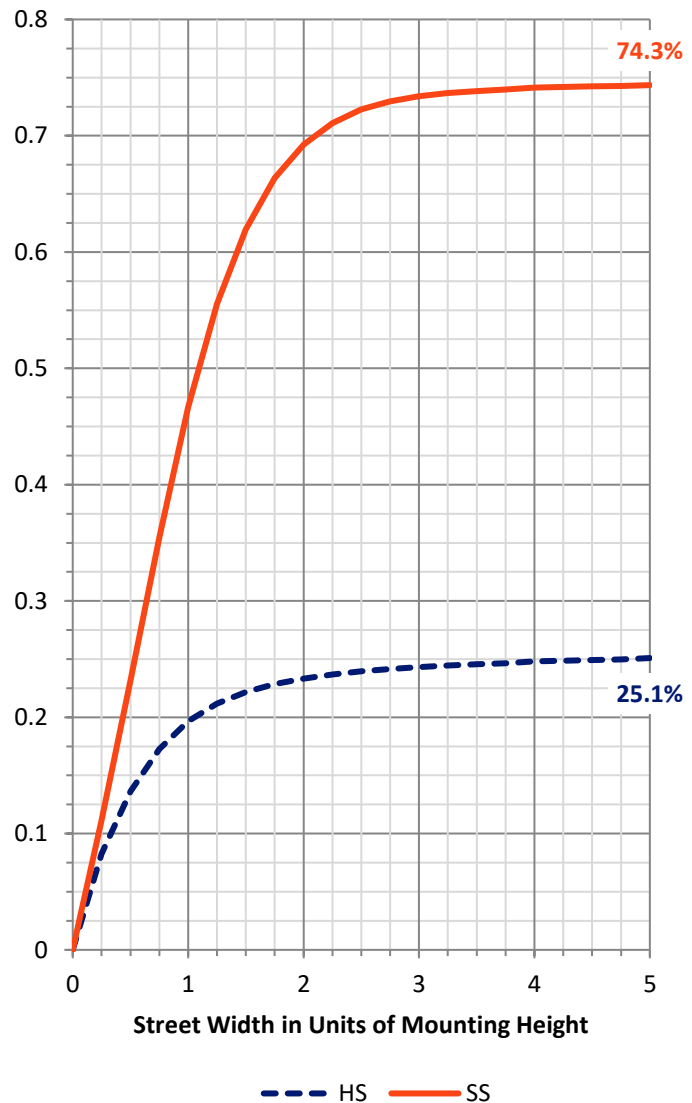
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2775.9   | 0.0    | 2775.9  |
|                    | % Fixture | 25.6     | 0.0    | 25.6    |
| <b>Street Side</b> | Lumens    | 8066.9   | 0.0    | 8066.9  |
|                    | % Fixture | 74.4     | 0.0    | 74.4    |
| <b>Total</b>       | Lumens    | 10842.8  | 0.0    | 10842.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 174.4   | 1.6       |
| 10°-20°   | 524.4   | 4.8       |
| 20°-30°   | 903.7   | 8.3       |
| 30°-40°   | 1401.8  | 12.9      |
| 40°-50°   | 1920.4  | 17.7      |
| 50°-60°   | 2290.8  | 21.1      |
| 60°-70°   | 2295.4  | 21.2      |
| 70°-80°   | 1214.7  | 11.2      |
| 80°-90°   | 117.2   | 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°    | 10842.8 | 100.0     |
| 0°-180°   | 10842.8 | 100.0     |



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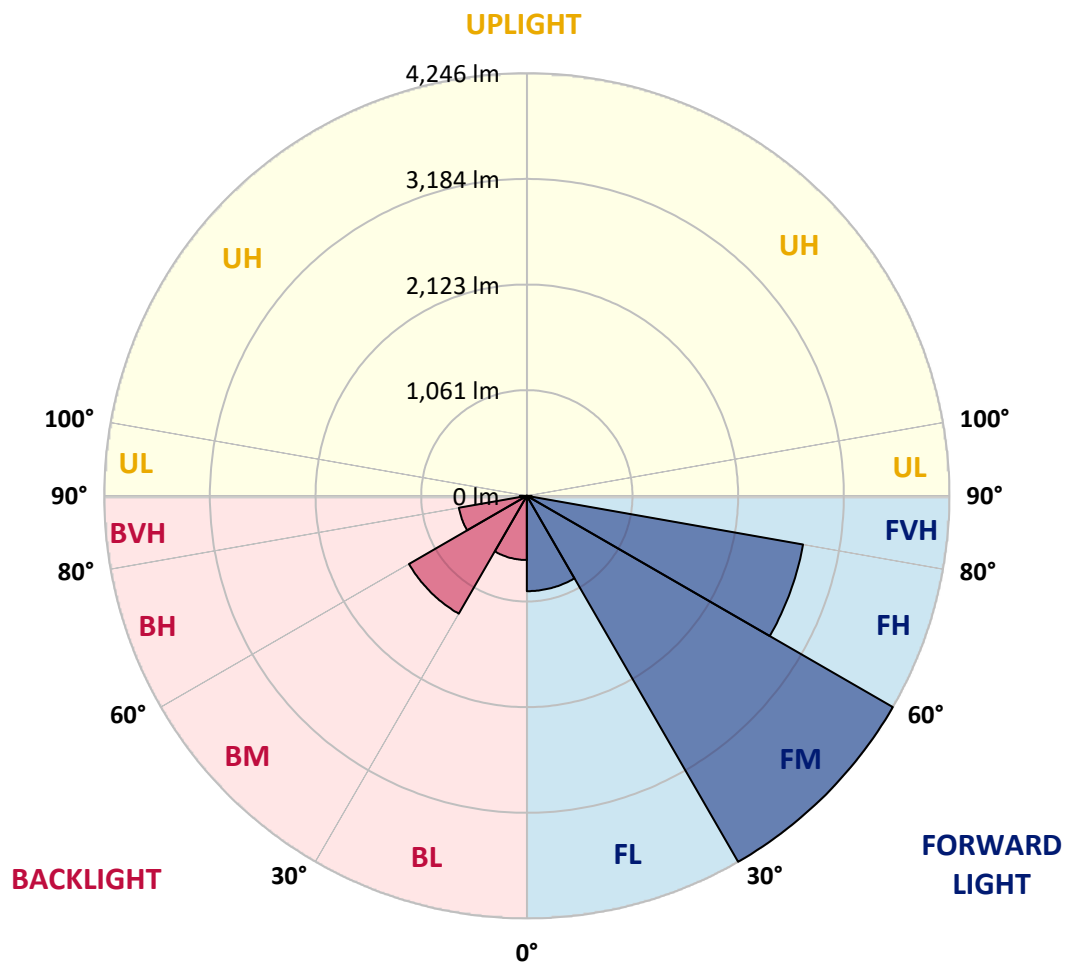
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 957.7  | 8.8       |                         |      |         |
| FM   | (30°-60°)   | 4245.5 | 39.2      |                         |      |         |
| FH   | (60°-80°)   | 2817.6 | 26.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 46.1   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 644.8  | 5.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1367.4 | 12.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 692.6  | 6.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 71.2   | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 |
| 2.5°  | 1894.4 | 1894.4 | 1890.1 | 1888.0 | 1885.9 | 1873.3 | 1864.9 | 1854.4 | 1854.4 | 1837.5 | 1822.8 |
| 5°    | 1959.6 | 1961.7 | 1953.3 | 1953.3 | 1944.9 | 1928.0 | 1911.2 | 1890.1 | 1890.1 | 1864.9 | 1835.4 |
| 7.5°  | 2016.4 | 2022.8 | 2014.3 | 2014.3 | 2005.9 | 1987.0 | 1959.6 | 1930.1 | 1930.1 | 1894.4 | 1852.3 |
| 10°   | 2071.2 | 2075.4 | 2071.2 | 2075.4 | 2062.7 | 2045.9 | 2014.3 | 1974.3 | 1972.2 | 1928.0 | 1869.1 |
| 12.5° | 2115.4 | 2119.6 | 2121.7 | 2128.0 | 2117.5 | 2104.8 | 2075.4 | 2024.9 | 2018.5 | 1965.9 | 1890.1 |
| 15°   | 2157.5 | 2161.7 | 2168.0 | 2176.4 | 2174.3 | 2163.8 | 2136.4 | 2079.6 | 2075.4 | 2008.0 | 1917.5 |
| 17.5° | 2191.1 | 2193.2 | 2205.9 | 2222.7 | 2226.9 | 2229.0 | 2199.6 | 2140.6 | 2136.4 | 2056.4 | 1947.0 |
| 20°   | 2239.6 | 2243.8 | 2256.4 | 2273.2 | 2285.9 | 2294.3 | 2271.1 | 2205.9 | 2201.7 | 2113.3 | 1984.9 |
| 22.5° | 2349.0 | 2342.7 | 2349.0 | 2349.0 | 2355.3 | 2367.9 | 2351.1 | 2285.9 | 2277.4 | 2180.6 | 2031.2 |
| 25°   | 2555.3 | 2549.0 | 2532.1 | 2494.2 | 2452.1 | 2450.0 | 2431.1 | 2367.9 | 2357.4 | 2250.1 | 2075.4 |
| 27.5° | 2843.6 | 2828.9 | 2797.3 | 2717.4 | 2616.3 | 2551.1 | 2521.6 | 2456.4 | 2443.7 | 2319.5 | 2117.5 |
| 30°   | 3148.8 | 3165.7 | 3113.1 | 3003.6 | 2818.4 | 2679.5 | 2622.6 | 2549.0 | 2538.4 | 2397.4 | 2168.0 |
| 32.5° | 3504.6 | 3506.7 | 3454.0 | 3302.5 | 3062.5 | 2841.5 | 2744.7 | 2654.2 | 2645.8 | 2487.9 | 2235.3 |
| 35°   | 3710.8 | 3719.3 | 3696.1 | 3555.1 | 3281.4 | 3020.4 | 2892.1 | 2782.6 | 2776.3 | 2601.6 | 2319.5 |
| 37.5° | 3925.5 | 3944.5 | 3908.7 | 3752.9 | 3447.7 | 3186.7 | 3056.2 | 2936.3 | 2929.9 | 2732.1 | 2424.8 |
| 40°   | 4243.4 | 4234.9 | 4197.1 | 3967.6 | 3603.5 | 3325.7 | 3218.3 | 3123.6 | 3108.9 | 2892.1 | 2532.1 |
| 42.5° | 4472.8 | 4493.8 | 4411.8 | 4152.9 | 3774.0 | 3464.6 | 3380.4 | 3273.0 | 3254.1 | 2988.9 | 2595.3 |
| 45°   | 4550.7 | 4531.7 | 4441.2 | 4251.8 | 3997.1 | 3590.9 | 3534.0 | 3451.9 | 3433.0 | 3159.4 | 2719.5 |
| 47.5° | 4567.5 | 4533.8 | 4453.8 | 4310.7 | 4186.5 | 3755.0 | 3721.4 | 3702.4 | 3675.1 | 3374.1 | 2868.9 |
| 50°   | 4464.4 | 4441.2 | 4403.3 | 4331.8 | 4308.6 | 3908.7 | 3925.5 | 3995.0 | 3971.8 | 3605.6 | 3035.2 |
| 52.5° | 4230.7 | 4220.2 | 4253.9 | 4300.2 | 4239.2 | 4041.3 | 4167.6 | 4308.6 | 4300.2 | 3860.3 | 3214.1 |
| 55°   | 3790.8 | 3790.8 | 3980.3 | 4142.3 | 4178.1 | 4127.6 | 4428.6 | 4670.6 | 4660.1 | 4146.5 | 3384.6 |
| 57.5° | 3388.8 | 3395.1 | 3553.0 | 3917.1 | 4068.7 | 4220.2 | 4719.1 | 5049.5 | 5032.7 | 4468.6 | 3563.5 |
| 60°   | 2881.5 | 2881.5 | 3121.5 | 3578.2 | 3910.8 | 4291.8 | 4975.8 | 5415.8 | 5426.3 | 4780.1 | 3740.3 |
| 62.5° | 2281.6 | 2288.0 | 2620.5 | 3157.3 | 3683.5 | 4304.4 | 5180.0 | 5761.0 | 5758.9 | 5062.1 | 3877.1 |
| 65°   | 1681.8 | 1683.9 | 2136.4 | 2690.0 | 3342.5 | 4216.0 | 5291.6 | 6026.2 | 6038.8 | 5285.3 | 3957.1 |
| 67.5° | 1092.4 | 1113.5 | 1572.3 | 2182.7 | 2860.5 | 3965.5 | 5232.6 | 6167.2 | 6181.9 | 5388.4 | 3931.8 |
| 68°   | 1023.0 | 1027.2 | 1488.1 | 2043.8 | 2730.0 | 3902.4 | 5205.3 | 6173.5 | 6186.1 | 5386.3 | 3906.6 |
| 70°   | 663.0  | 663.0  | 1065.1 | 1595.5 | 2178.5 | 3508.8 | 4967.4 | 6074.6 | 6089.3 | 5293.7 | 3723.5 |
| 72.5° | 357.8  | 364.1  | 608.3  | 966.1  | 1488.1 | 2715.2 | 4483.3 | 5558.9 | 5584.1 | 4786.4 | 3256.2 |
| 75°   | 250.5  | 254.7  | 353.6  | 540.9  | 810.4  | 1768.1 | 3504.6 | 4247.6 | 4243.4 | 3306.7 | 2039.6 |
| 77.5° | 181.0  | 181.0  | 202.1  | 336.8  | 425.2  | 808.3  | 1734.4 | 2045.9 | 2022.8 | 1614.4 | 1029.3 |
| 80°   | 117.9  | 117.9  | 126.3  | 176.8  | 204.2  | 246.3  | 530.4  | 886.1  | 903.0  | 787.2  | 513.6  |
| 82.5° | 48.4   | 50.5   | 54.7   | 71.6   | 73.7   | 103.1  | 151.5  | 254.7  | 246.3  | 200.0  | 145.2  |
| 85°   | 6.3    | 6.3    | 8.4    | 10.5   | 12.6   | 23.2   | 21.0   | 21.0   | 21.0   | 25.3   | 23.2   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    | 4.2    | 6.3    | 6.3    | 8.4    | 6.3    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 | 1818.6 |
| 2.5°  | 1818.6 | 1818.6 | 1806.0 | 1793.3 | 1780.7 | 1770.2 | 1755.4 | 1744.9 | 1747.0 | 1753.3 | 1751.2 |
| 5°    | 1829.1 | 1818.6 | 1793.3 | 1766.0 | 1744.9 | 1726.0 | 1698.6 | 1683.9 | 1681.8 | 1686.0 | 1683.9 |
| 7.5°  | 1835.4 | 1818.6 | 1780.7 | 1738.6 | 1704.9 | 1679.7 | 1641.8 | 1627.0 | 1620.7 | 1622.8 | 1622.8 |
| 10°   | 1848.1 | 1820.7 | 1768.1 | 1709.1 | 1667.0 | 1631.3 | 1591.3 | 1570.2 | 1563.9 | 1563.9 | 1561.8 |
| 12.5° | 1862.8 | 1824.9 | 1755.4 | 1683.9 | 1629.1 | 1587.1 | 1540.7 | 1517.6 | 1511.3 | 1511.3 | 1509.2 |
| 15°   | 1877.5 | 1831.2 | 1742.8 | 1656.5 | 1593.4 | 1542.8 | 1498.6 | 1471.3 | 1462.9 | 1462.9 | 1467.1 |
| 17.5° | 1896.5 | 1837.5 | 1730.2 | 1631.3 | 1555.5 | 1498.6 | 1452.3 | 1425.0 | 1414.5 | 1420.8 | 1425.0 |
| 20°   | 1915.4 | 1850.2 | 1717.6 | 1603.9 | 1517.6 | 1458.7 | 1412.3 | 1385.0 | 1374.5 | 1385.0 | 1387.1 |
| 22.5° | 1942.8 | 1860.7 | 1702.8 | 1572.3 | 1479.7 | 1414.5 | 1372.4 | 1347.1 | 1340.8 | 1351.3 | 1359.7 |
| 25°   | 1970.1 | 1873.3 | 1683.9 | 1538.6 | 1431.3 | 1368.1 | 1334.5 | 1315.5 | 1317.6 | 1332.4 | 1340.8 |
| 27.5° | 1999.6 | 1883.8 | 1664.9 | 1496.5 | 1378.7 | 1319.7 | 1294.5 | 1290.3 | 1298.7 | 1315.5 | 1326.1 |
| 30°   | 2035.4 | 1898.6 | 1639.7 | 1448.1 | 1319.7 | 1267.1 | 1256.6 | 1269.2 | 1284.0 | 1300.8 | 1311.3 |
| 32.5° | 2081.7 | 1917.5 | 1614.4 | 1393.4 | 1258.7 | 1210.3 | 1227.1 | 1254.5 | 1271.3 | 1288.2 | 1298.7 |
| 35°   | 2146.9 | 1955.4 | 1599.7 | 1338.7 | 1193.4 | 1161.9 | 1199.8 | 1244.0 | 1256.6 | 1267.1 | 1279.7 |
| 37.5° | 2222.7 | 2005.9 | 1593.4 | 1288.2 | 1134.5 | 1119.8 | 1172.4 | 1225.0 | 1229.2 | 1233.4 | 1246.1 |
| 40°   | 2296.4 | 2043.8 | 1576.5 | 1233.4 | 1073.5 | 1073.5 | 1138.7 | 1189.2 | 1187.1 | 1180.8 | 1189.2 |
| 42.5° | 2325.9 | 2039.6 | 1528.1 | 1180.8 | 1025.1 | 1027.2 | 1086.1 | 1134.5 | 1121.9 | 1121.9 | 1134.5 |
| 45°   | 2410.0 | 2073.3 | 1492.3 | 1138.7 | 980.9  | 972.4  | 1018.7 | 1056.6 | 1077.7 | 1105.0 | 1117.7 |
| 47.5° | 2517.4 | 2119.6 | 1465.0 | 1090.3 | 938.8  | 911.4  | 936.7  | 999.8  | 1035.6 | 1065.1 | 1075.6 |
| 50°   | 2628.9 | 2172.2 | 1439.7 | 1039.8 | 896.7  | 841.9  | 854.6  | 924.0  | 955.6  | 970.3  | 976.6  |
| 52.5° | 2742.6 | 2220.6 | 1420.8 | 997.7  | 848.3  | 759.8  | 787.2  | 852.5  | 875.6  | 884.0  | 888.2  |
| 55°   | 2843.6 | 2260.6 | 1403.9 | 961.9  | 793.5  | 694.6  | 715.6  | 783.0  | 799.8  | 808.3  | 814.6  |
| 57.5° | 2951.0 | 2304.8 | 1393.4 | 928.2  | 732.5  | 637.8  | 652.5  | 713.5  | 736.7  | 745.1  | 751.4  |
| 60°   | 3045.7 | 2346.9 | 1385.0 | 892.5  | 675.7  | 587.3  | 595.7  | 654.6  | 679.9  | 684.1  | 690.4  |
| 62.5° | 3108.9 | 2374.3 | 1372.4 | 848.3  | 623.0  | 538.8  | 540.9  | 597.8  | 625.1  | 629.3  | 633.6  |
| 65°   | 3125.7 | 2367.9 | 1334.5 | 789.3  | 570.4  | 490.4  | 490.4  | 545.2  | 574.6  | 589.4  | 595.7  |
| 67.5° | 3075.2 | 2315.3 | 1254.5 | 713.5  | 519.9  | 446.2  | 446.2  | 494.6  | 526.2  | 543.0  | 549.4  |
| 68°   | 3058.3 | 2292.2 | 1229.2 | 694.6  | 507.3  | 435.7  | 435.7  | 486.2  | 515.7  | 530.4  | 534.6  |
| 70°   | 2915.2 | 2178.5 | 1113.5 | 623.0  | 467.3  | 404.1  | 404.1  | 448.3  | 479.9  | 479.9  | 477.8  |
| 72.5° | 2532.1 | 1888.0 | 915.6  | 522.0  | 408.3  | 357.8  | 364.1  | 406.2  | 416.8  | 427.3  | 425.2  |
| 75°   | 1568.1 | 1130.3 | 614.6  | 412.5  | 343.1  | 313.6  | 326.3  | 364.1  | 370.5  | 393.6  | 387.3  |
| 77.5° | 785.1  | 553.6  | 326.3  | 240.0  | 265.2  | 269.4  | 292.6  | 319.9  | 338.9  | 364.1  | 347.3  |
| 80°   | 387.3  | 269.4  | 191.5  | 149.4  | 155.8  | 197.9  | 254.7  | 275.7  | 309.4  | 326.3  | 311.5  |
| 82.5° | 107.3  | 82.1   | 77.9   | 82.1   | 115.8  | 153.7  | 200.0  | 244.2  | 288.4  | 303.1  | 282.0  |
| 85°   | 18.9   | 14.7   | 12.6   | 40.0   | 80.0   | 113.7  | 162.1  | 216.8  | 258.9  | 248.4  | 233.6  |
| 87.5° | 6.3    | 4.2    | 4.2    | 25.3   | 58.9   | 92.6   | 138.9  | 193.6  | 221.0  | 200.0  | 178.9  |
| 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)