Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1199245

Luminaire Tested: GPC-SB2A-735-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1199245 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2A-735-U-SL2 |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 8914 lumens |
| Efficiency: | N/A |
| Efficacy: | 155.6 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B2 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 57.3 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.484 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.038 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

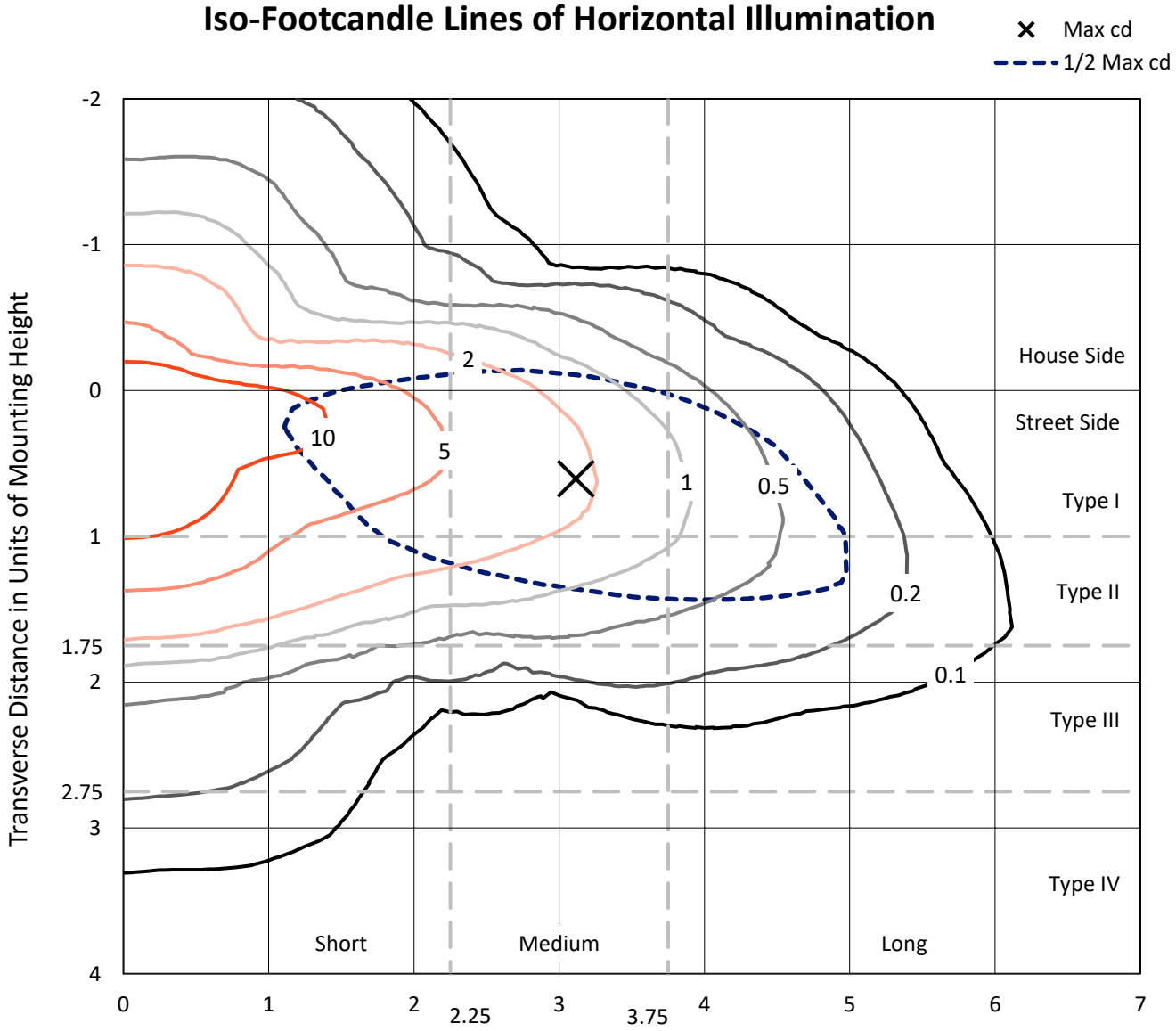


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## Iso-Footcandle Lines of Horizontal Illumination



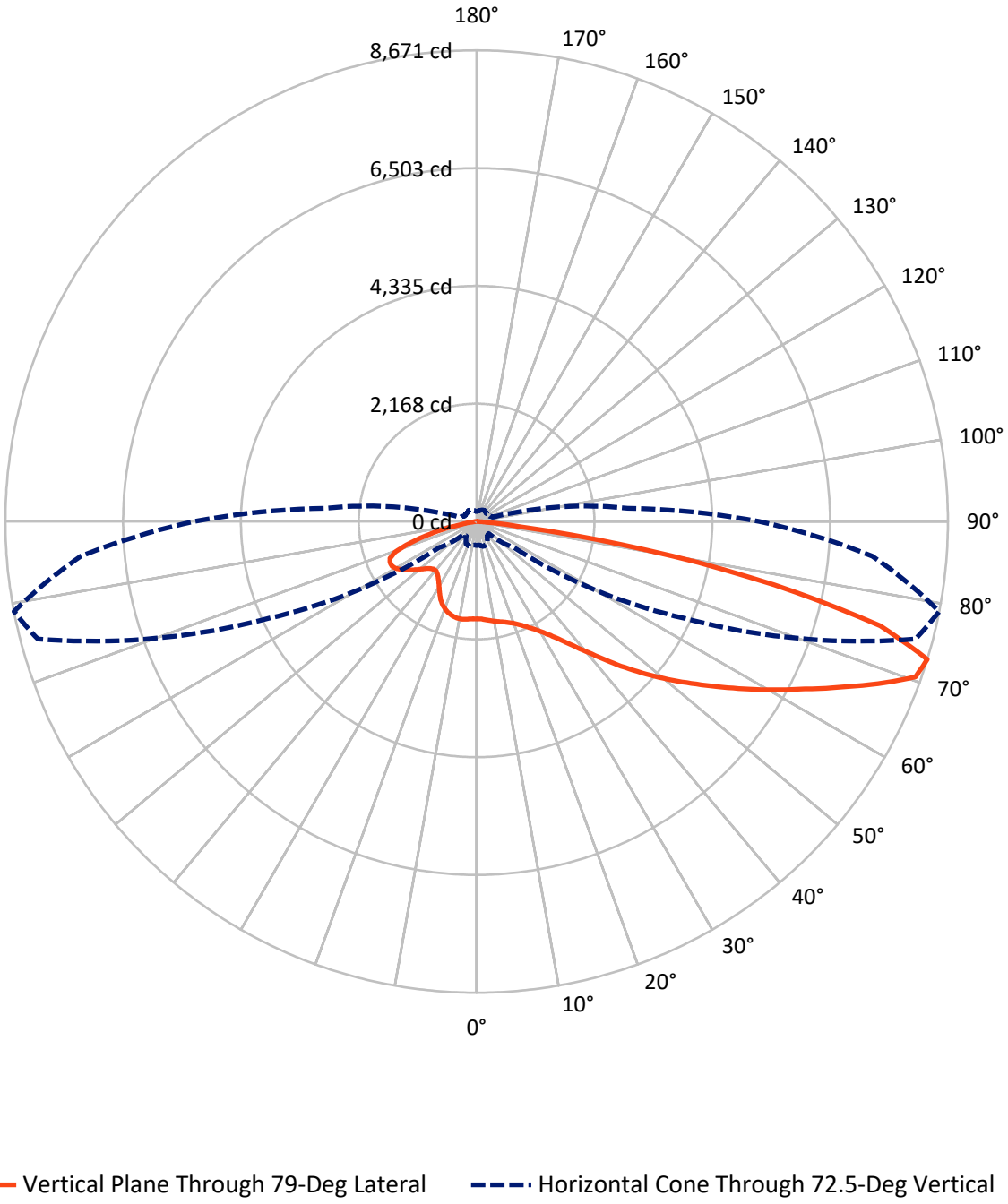

Based on 10 foot mounting height. Maximum calculated value = 18 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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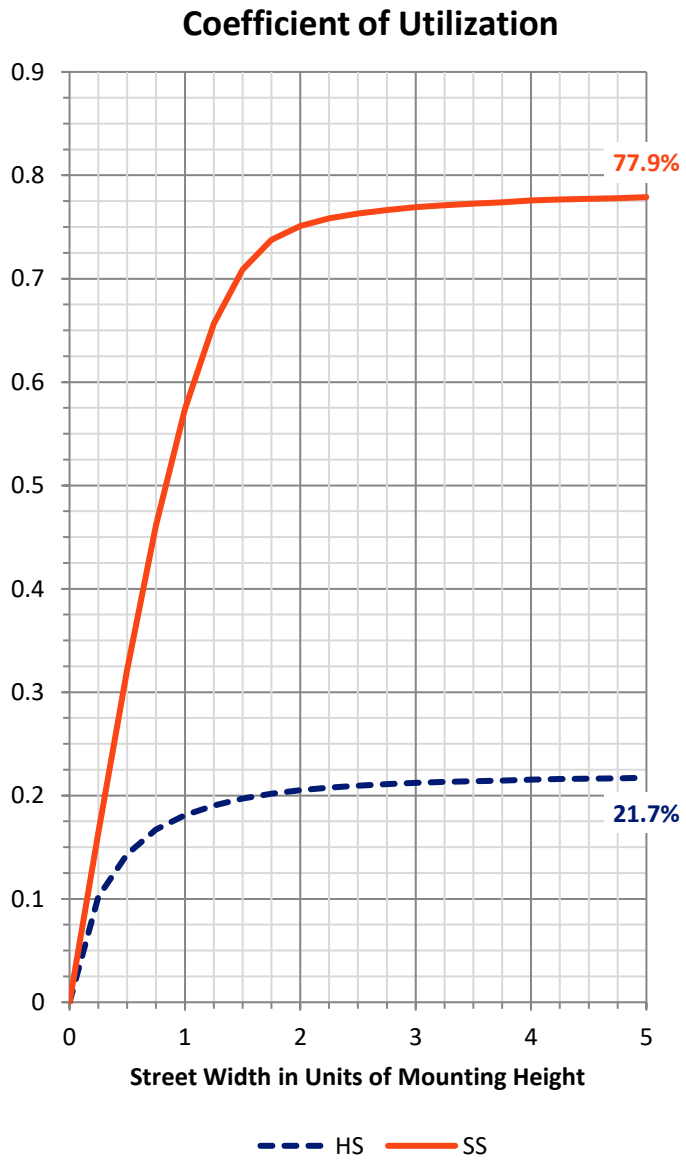
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1961.6 | 0.0 | 1961.6 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| **Street Side** | Lumens | 6952.4 | 0.0 | 6952.4 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| **Total** | Lumens | 8914.0 | 0.0 | 8914.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 162.4 | 1.8 |
| 10°-20° | 424.7 | 4.8 |
| 20°-30° | 685.2 | 7.7 |
| 30°-40° | 1028.4 | 11.5 |
| 40°-50° | 1458.9 | 16.4 |
| 50°-60° | 1842.4 | 20.7 |
| 60°-70° | 1871.2 | 21.0 |
| 70°-80° | 1275.3 | 14.3 |
| 80°-90° | 165.5 | 1.9 |
| 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° | 8914.0 | 100.0 |
| 0°-180° | 8914.0 | 100.0 |



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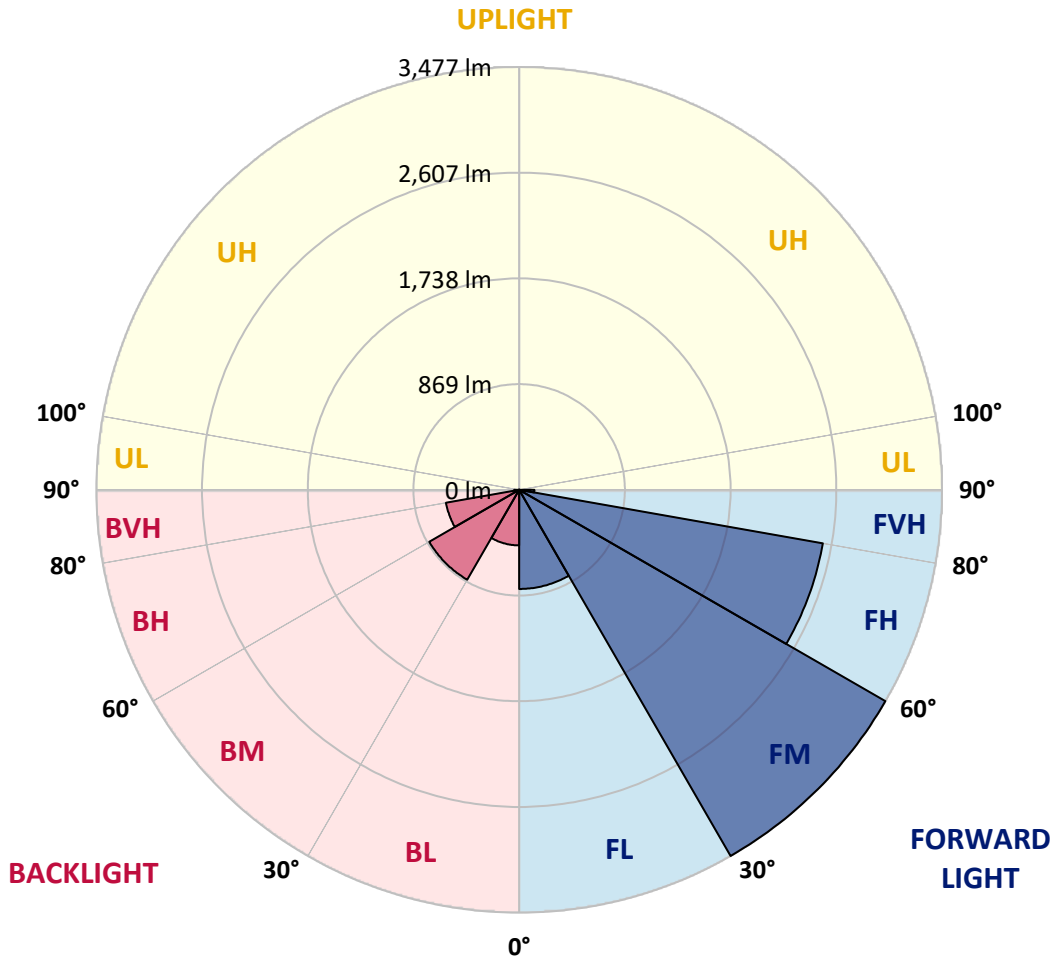
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 815.4 | 9.1 | | | |
| FM | (30°-60°) | 3476.6 | 39.0 | | | |
| FH | (60°-80°) | 2535.7 | 28.4 | | | G2/5000 |
| FVH | (80°-90°) | 124.6 | 1.4 | | | G2/225 |
| BL | (0°-30°) | 456.9 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 853.1 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 610.8 | 6.9 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 40.8 | 0.5 | | | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | *1789.4* | 1789.4 |
| 2.5° | 1790.3 | 1781.9 | 1787.0 | 1785.2 | 1787.5 | 1790.3 | 1791.3 | 1792.7 | 1797.4 | *1796.9* | 1796.5 |
| 5° | 1786.6 | 1778.1 | 1785.2 | 1782.8 | 1788.9 | 1795.5 | 1801.2 | 1806.4 | 1813.9 | *1817.2* | 1812.5 |
| 7.5° | 1778.6 | 1772.9 | 1780.0 | 1787.0 | 1798.4 | 1808.3 | 1816.3 | 1828.1 | 1838.9 | *1840.8* | 1844.1 |
| 10° | 1731.9 | 1727.6 | 1744.1 | 1762.5 | 1793.6 | 1820.5 | 1838.0 | 1851.6 | 1863.4 | *1865.3* | 1870.0 |
| 12.5° | 1683.3 | 1678.1 | 1696.5 | 1721.5 | 1772.0 | 1820.5 | 1857.3 | 1875.2 | 1885.6 | *1891.7* | 1898.8 |
| 15° | 1675.3 | 1671.1 | 1681.4 | 1703.1 | 1745.1 | 1807.8 | 1870.5 | 1903.5 | 1912.5 | *1919.5* | 1922.4 |
| 17.5° | 1714.0 | 1705.9 | 1710.2 | 1717.7 | 1742.2 | 1796.0 | 1880.9 | 1935.6 | 1949.2 | *1956.8* | 1956.8 |
| 20° | 1803.5 | 1792.2 | 1785.6 | 1770.5 | 1766.3 | 1797.9 | 1879.9 | 1974.2 | 1992.2 | *2001.6* | 2003.9 |
| 22.5° | 1922.8 | 1915.3 | 1901.1 | 1863.0 | 1821.5 | 1821.0 | 1897.8 | 2023.7 | 2057.2 | *2066.2* | 2060.5 |
| 25° | 2067.1 | 2055.8 | 2037.9 | 1986.0 | 1906.3 | 1866.7 | 1928.0 | 2086.9 | 2143.0 | *2145.4* | 2128.9 |
| 27.5° | 2233.1 | 2216.1 | 2191.6 | 2123.2 | 2015.7 | 1938.4 | 1974.2 | 2159.5 | 2241.6 | *2240.6* | 2206.7 |
| 30° | 2408.0 | 2391.1 | 2365.1 | 2282.1 | 2146.8 | 2035.1 | 2038.4 | 2237.8 | 2358.5 | *2353.3* | 2295.3 |
| 32.5° | 2535.8 | 2523.1 | 2517.9 | 2453.8 | 2297.7 | 2149.2 | 2111.9 | 2324.6 | 2502.8 | *2498.1* | 2417.0 |
| 35° | 2633.9 | 2617.4 | 2623.5 | 2591.0 | 2462.3 | 2276.9 | 2202.0 | 2427.8 | 2678.2 | *2677.7* | 2576.8 |
| 37.5° | 2731.0 | 2716.4 | 2721.6 | 2699.9 | 2614.6 | 2439.1 | 2311.8 | 2554.2 | 2895.6 | *2905.9* | 2770.2 |
| 40° | 2819.7 | 2804.1 | 2824.8 | 2804.6 | 2732.9 | 2611.7 | 2436.8 | 2697.1 | 3147.4 | *3167.2* | 3004.0 |
| 42.5° | 2872.9 | 2860.7 | 2895.1 | 2895.6 | 2835.7 | 2757.4 | 2574.0 | 2854.6 | 3438.8 | *3483.1* | 3291.6 |
| 45° | 2891.3 | 2887.1 | 2939.0 | 2949.8 | 2926.7 | 2841.8 | 2697.5 | 3026.2 | 3752.8 | *3832.0* | 3619.4 |
| 47.5° | 2871.5 | 2863.5 | 2935.2 | 2975.3 | 2993.7 | 2881.4 | 2799.9 | 3212.0 | 4073.4 | *4189.4* | 3976.8 |
| 50° | 2771.6 | 2756.0 | 2862.6 | 2947.0 | 3012.5 | 2907.4 | 2903.1 | 3426.5 | 4437.9 | *4564.7* | 4336.1 |
| 52.5° | 2591.9 | 2580.1 | 2701.3 | 2848.0 | 2971.0 | 2920.1 | 3019.1 | 3660.8 | 4784.0 | *4948.1* | 4704.3 |
| 55° | 2362.3 | 2346.7 | 2480.2 | 2671.6 | 2867.8 | 2915.9 | 3135.1 | 3923.0 | 5192.3 | *5358.8* | 5084.8 |
| 57.5° | 1998.3 | 1967.2 | 2136.0 | 2362.3 | 2699.4 | 2910.7 | 3255.8 | 4183.8 | 5607.3 | *5806.7* | 5490.8 |
| 60° | 1467.4 | 1421.1 | 1628.1 | 1896.4 | 2370.3 | 2860.2 | 3405.3 | 4476.1 | 6105.2 | *6284.8* | 5934.0 |
| 62.5° | 854.4 | 827.5 | 962.8 | 1213.2 | 1786.6 | 2563.2 | 3489.2 | 4816.1 | 6594.6 | *6783.2* | 6369.7 |
| 65° | 663.4 | 655.9 | 667.7 | 687.0 | 994.4 | 1919.1 | 3230.4 | 5147.5 | 7217.0 | *7349.0* | 6823.8 |
| 67.5° | 606.8 | 601.2 | 606.4 | 570.1 | 504.5 | 1068.9 | 2555.6 | 5231.5 | 7883.7 | *7963.9* | 7221.3 |
| 70° | 539.4 | 532.8 | 549.8 | 518.7 | 397.0 | 486.1 | 1651.2 | 4926.9 | 8414.2 | *8564.6* | 7523.5 |
| 72.5° | *439.5* | *431.9* | *471.5* | *457.4* | *334.3* | *312.1* | *829.4* | *4203.1* | *8358.6* | *8670.7* | *7307.1* |
| 75° | 337.6 | 333.4 | 380.5 | 392.3 | 272.5 | 245.7 | 398.0 | 3124.3 | 7355.6 | *7670.1* | 6297.6 |
| 77.5° | 262.2 | 258.9 | 282.9 | 325.8 | 219.7 | 190.5 | 244.7 | 1981.8 | 5543.1 | *5598.3* | 4339.8 |
| 80° | 196.6 | 187.2 | 209.4 | 252.3 | 171.2 | 139.1 | 166.0 | 1155.7 | 3503.8 | *3176.1* | 1888.9 |
| 82.5° | 123.1 | 118.4 | 136.7 | 168.3 | 120.7 | 95.7 | 108.0 | 638.4 | 1404.2 | *827.0* | 364.5 |
| 85° | 70.3 | 68.4 | 74.5 | 96.2 | 65.5 | 55.2 | 61.8 | 282.0 | 256.5 | *176.3* | 109.9 |
| 87.5° | 28.3 | 27.3 | 33.9 | 42.9 | 24.0 | 20.3 | 21.7 | 67.9 | 56.6 | *52.3* | 36.3 |
| 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° | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 | 1789.4 |
| 2.5° | 1794.6 | 1794.6 | 1788.0 | 1777.6 | 1765.8 | 1758.3 | 1746.0 | 1742.7 | 1730.0 | 1726.2 | 1732.3 |
| 5° | 1816.3 | 1812.5 | 1792.2 | 1763.0 | 1722.9 | 1686.1 | 1645.6 | 1620.1 | 1584.3 | 1571.6 | 1581.0 |
| 7.5° | 1843.6 | 1833.3 | 1798.4 | 1734.2 | 1650.3 | 1567.8 | 1482.0 | 1416.9 | 1354.7 | 1332.5 | 1335.3 |
| 10° | 1868.6 | 1854.0 | 1794.6 | 1682.4 | 1537.1 | 1394.3 | 1257.5 | 1161.8 | 1089.2 | 1059.5 | 1066.1 |
| 12.5° | 1893.6 | 1866.7 | 1769.6 | 1596.1 | 1376.4 | 1182.6 | 1036.9 | 962.4 | 917.6 | 881.7 | 893.5 |
| 15° | 1917.2 | 1879.5 | 1730.9 | 1480.6 | 1200.0 | 1003.4 | 895.9 | 836.5 | 800.6 | 777.1 | 781.3 |
| 17.5° | 1944.5 | 1890.3 | 1672.9 | 1333.9 | 1032.1 | 879.4 | 791.7 | 755.8 | 748.8 | 745.9 | 747.8 |
| 20° | 1982.7 | 1900.2 | 1596.6 | 1169.8 | 908.6 | 780.4 | 735.1 | 731.8 | 731.3 | 729.9 | 734.6 |
| 22.5° | 2023.7 | 1912.0 | 1495.6 | 1020.8 | 803.5 | 718.6 | 710.6 | 704.0 | 699.7 | 699.3 | 704.4 |
| 25° | 2072.3 | 1915.8 | 1369.3 | 898.7 | 713.9 | 689.4 | 679.9 | 670.0 | 667.2 | 667.2 | 670.0 |
| 27.5° | 2119.5 | 1903.0 | 1222.2 | 792.6 | 663.4 | 662.5 | 650.2 | 646.9 | 646.4 | 647.9 | 651.6 |
| 30° | 2166.6 | 1879.0 | 1076.0 | 694.5 | 634.2 | 634.2 | 629.9 | 632.3 | 634.2 | 638.9 | 642.2 |
| 32.5° | 2230.3 | 1853.5 | 953.9 | 621.9 | 608.7 | 604.0 | 608.3 | 613.0 | 614.9 | 621.0 | 626.2 |
| 35° | 2323.6 | 1835.6 | 856.7 | 582.3 | 582.3 | 576.2 | 578.5 | 577.6 | 573.4 | 570.5 | 577.1 |
| 37.5° | 2447.2 | 1834.7 | 776.6 | 563.9 | 560.2 | 559.2 | 559.7 | 553.6 | 537.1 | 517.3 | 517.7 |
| 40° | 2595.7 | 1860.1 | 714.8 | 551.2 | 548.4 | 554.0 | 551.2 | 534.7 | 489.4 | 455.0 | 454.1 |
| 42.5° | 2795.1 | 1932.7 | 675.2 | 535.6 | 544.1 | 551.2 | 539.9 | 482.8 | 452.2 | 429.1 | 428.1 |
| 45° | 3030.0 | 2050.6 | 654.9 | 519.1 | 536.1 | 544.6 | 489.9 | 464.9 | 440.4 | 412.6 | 410.7 |
| 47.5° | 3295.9 | 2199.1 | 650.2 | 503.6 | 518.2 | 523.4 | 468.7 | 457.4 | 429.6 | 399.4 | 397.0 |
| 50° | 3585.4 | 2375.0 | 663.0 | 485.2 | 492.3 | 474.3 | 461.6 | 451.2 | 422.5 | 392.8 | 389.5 |
| 52.5° | 3884.8 | 2568.8 | 688.4 | 460.2 | 466.3 | 446.5 | 458.8 | 449.8 | 418.2 | 378.2 | 375.3 |
| 55° | 4179.0 | 2764.0 | 712.9 | 431.0 | 439.9 | 421.5 | 450.8 | 444.2 | 398.9 | 353.6 | 351.3 |
| 57.5° | 4478.0 | 2958.3 | 737.0 | 405.0 | 414.5 | 397.5 | 438.0 | 429.1 | 377.2 | 331.0 | 330.1 |
| 60° | 4788.7 | 3146.9 | 748.3 | 380.0 | 386.6 | 375.3 | 418.7 | 403.1 | 352.7 | 307.9 | 306.5 |
| 62.5° | 5079.6 | 3303.9 | 729.9 | 355.1 | 359.3 | 354.6 | 393.2 | 372.5 | 328.2 | 282.0 | 281.5 |
| 65° | 5371.5 | 3397.3 | 673.3 | 330.5 | 331.5 | 329.1 | 357.4 | 339.5 | 299.4 | 259.3 | 256.5 |
| 67.5° | 5636.0 | 3449.6 | 583.3 | 304.1 | 301.8 | 300.8 | 323.9 | 303.7 | 271.6 | 236.7 | 233.9 |
| 70° | 5692.1 | 3316.6 | 445.6 | 273.0 | 273.0 | 270.6 | 287.2 | 266.4 | 240.9 | 212.7 | 211.7 |
| 72.5° | *5198.9* | *2790.0* | *316.4* | *237.6* | *241.4* | *236.7* | *250.4* | *232.9* | *209.8* | *191.0* | *185.3* |
| 75° | 4192.2 | 2045.9 | 230.1 | 201.3 | 207.9 | 199.9 | 212.7 | 200.4 | 180.6 | 180.1 | 162.2 |
| 77.5° | 2880.5 | 1265.1 | 166.9 | 166.0 | 170.7 | 160.3 | 174.9 | 168.3 | 150.4 | 142.4 | 133.4 |
| 80° | 1229.2 | 504.5 | 121.7 | 128.3 | 128.3 | 118.8 | 135.8 | 137.7 | 122.1 | 118.4 | 118.4 |
| 82.5° | 244.7 | 143.3 | 85.3 | 88.2 | 83.0 | 80.2 | 96.2 | 106.6 | 147.1 | 163.6 | 164.1 |
| 85° | 73.6 | 52.8 | 51.4 | 48.1 | 42.4 | 42.9 | 56.6 | 107.0 | 132.0 | 75.4 | 65.1 |
| 87.5° | 20.3 | 13.2 | 13.7 | 10.8 | 9.0 | 11.8 | 19.3 | 81.1 | 44.3 | 18.9 | 16.0 |
| 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)