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: P1200799

Luminaire Tested: GPC-SB2D-827-U-T3R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1200799 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2D-827-U-T3R-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI( |
| | WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 14730 lumens |
| Efficiency: | N/A |
| Efficacy: | 99.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B1 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 147.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 1.234 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.999 |
| Total Harmonic Distortion (THDi): | 3.108 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

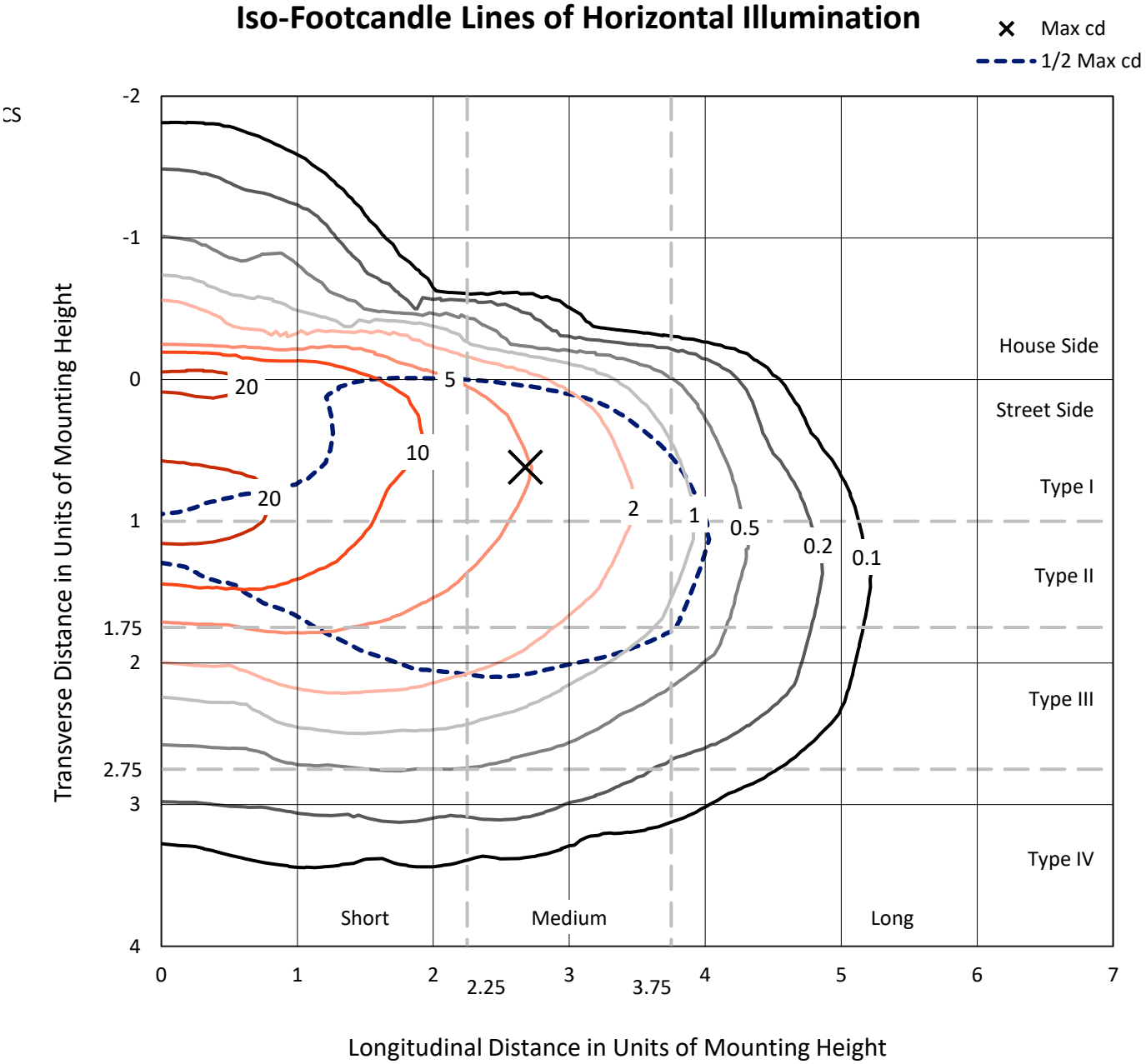


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## Iso-Footcandle Lines of Horizontal Illumination



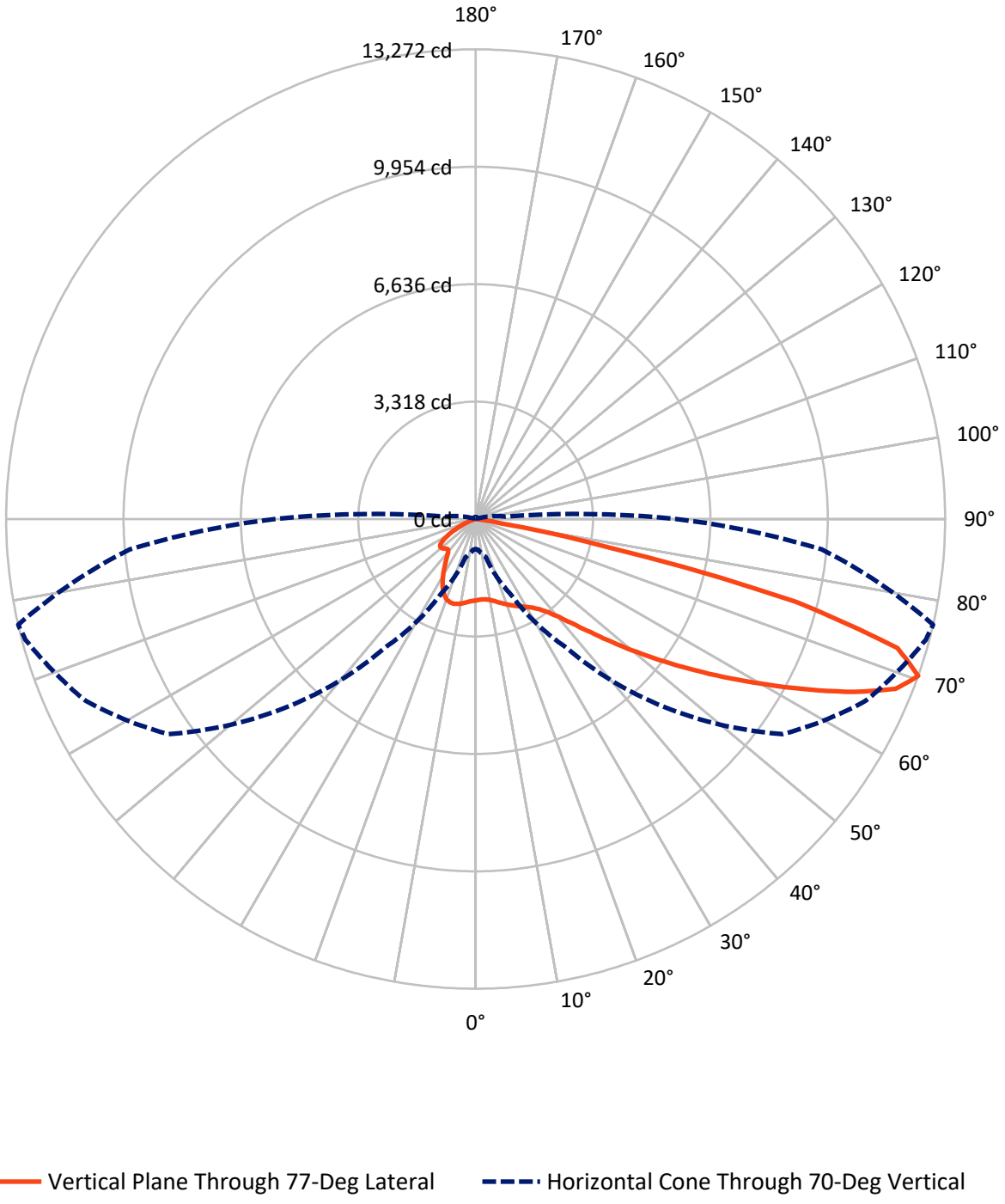

Based on 10 foot mounting height. Maximum calculated value = 27 fc
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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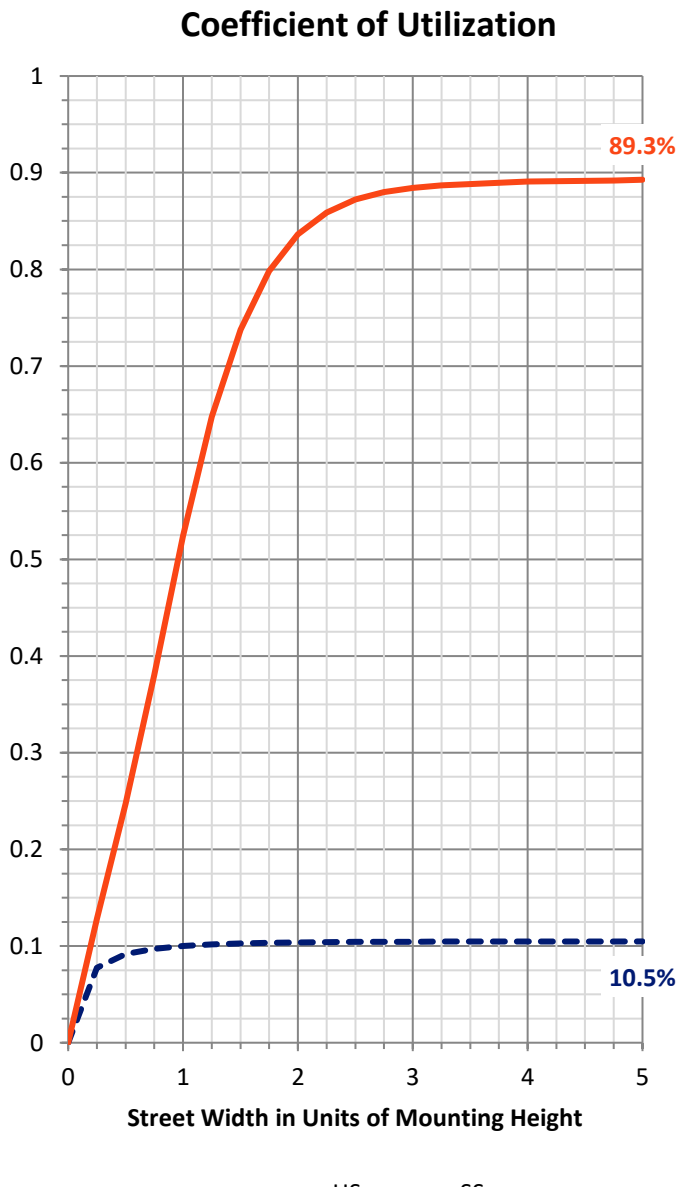
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1552.7 | 0.0 | 1552.7 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| **Street Side** | Lumens | 13177.3 | 0.0 | 13177.3 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| **Total** | Lumens | 14730.0 | 0.0 | 14730.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 198.0 | 1.3 |
| 10°-20° | 470.1 | 3.2 |
| 20°-30° | 727.1 | 4.9 |
| 30°-40° | 1319.3 | 9.0 |
| 40°-50° | 2490.4 | 16.9 |
| 50°-60° | 3598.4 | 24.4 |
| 60°-70° | 3830.3 | 26.0 |
| 70°-80° | 2029.8 | 13.8 |
| 80°-90° | 66.7 | 0.5 |
| 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° | 14730.0 | 100.0 |
| 0°-180° | 14730.0 | 100.0 |



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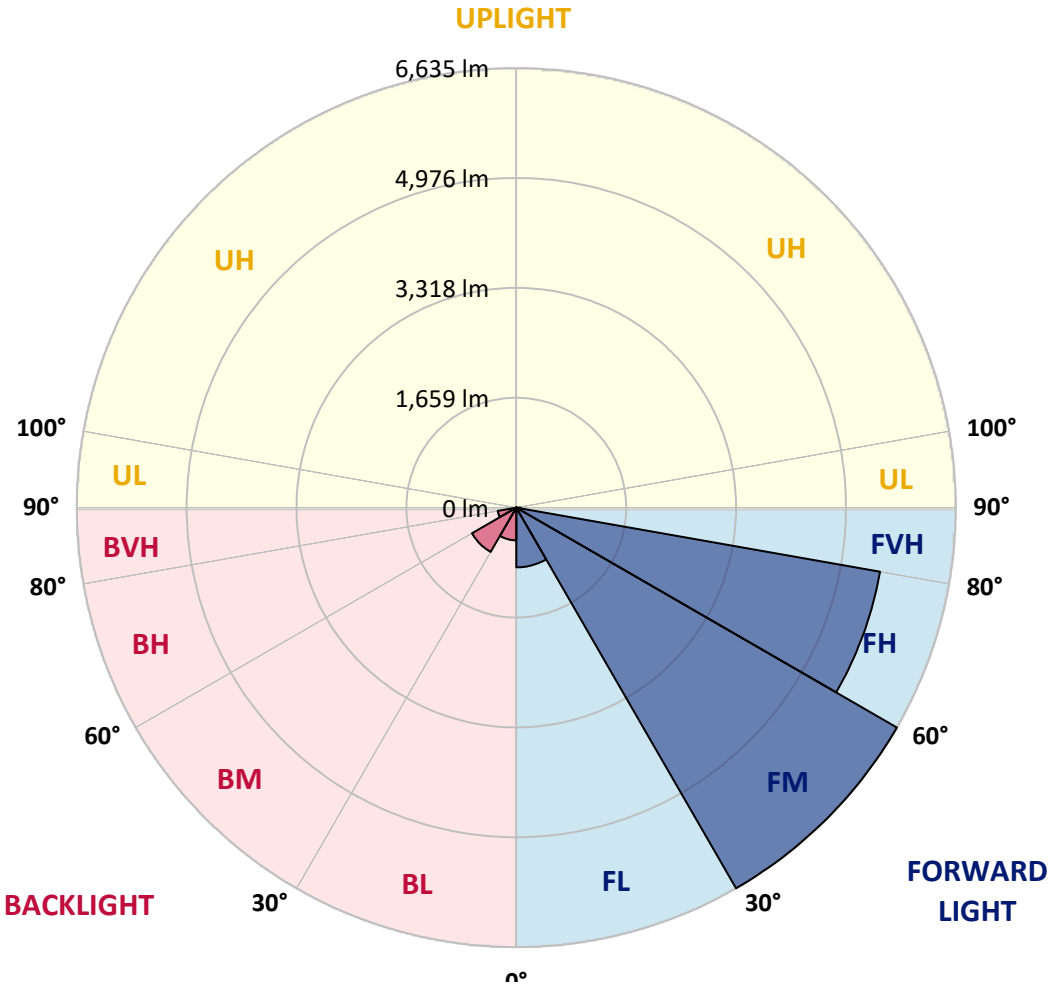
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 901.8 | 6.1 | | | |
| FM | (30°-60°) | 6635.1 | 45.0 | | | |
| FH | (60°-80°) | 5575.5 | 37.9 | | | G3/7500 |
| FVH | (80°-90°) | 64.9 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 493.3 | 3.3 | B1/500 | | |
| BM | (30°-60°) | 773.0 | 5.2 | B1/1000 | | |
| BH | (60°-80°) | 284.7 | 1.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.8 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G3**
Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | *2297.6* | 2297.6 |
| 2.5° | 2157.2 | 2176.7 | 2173.9 | 2186.9 | 2191.6 | 2210.2 | 2228.8 | 2253.9 | 2281.8 | *2280.9* | 2299.5 |
| 5° | 2035.3 | 2054.8 | 2059.5 | 2077.2 | 2099.5 | 2128.3 | 2166.5 | 2216.7 | 2268.8 | *2277.1* | 2314.4 |
| 7.5° | 1891.1 | 1911.6 | 1923.7 | 1959.0 | 1999.9 | 2059.5 | 2121.8 | 2195.3 | 2281.8 | *2293.9* | 2365.5 |
| 10° | 1746.9 | 1765.5 | 1781.3 | 1831.6 | 1896.7 | 1985.1 | 2086.5 | 2192.5 | 2308.8 | *2326.5* | 2427.8 |
| 12.5° | 1657.6 | 1675.3 | 1693.0 | 1736.7 | 1817.6 | 1925.5 | 2063.2 | 2205.5 | 2353.4 | *2378.5* | 2512.5 |
| 15° | 1626.0 | 1641.8 | 1655.8 | 1694.8 | 1770.2 | 1893.0 | 2058.6 | 2232.5 | 2410.2 | *2443.7* | 2614.8 |
| 17.5° | 1630.7 | 1639.0 | 1648.3 | 1678.1 | 1751.6 | 1878.1 | 2066.9 | 2279.0 | 2477.1 | *2506.9* | 2717.1 |
| 20° | 1657.6 | 1662.3 | 1663.2 | 1683.7 | 1748.8 | 1876.2 | 2083.7 | 2323.7 | 2540.4 | *2580.4* | 2818.5 |
| 22.5° | 1692.0 | 1693.9 | 1692.0 | 1706.0 | 1766.5 | 1890.2 | 2106.0 | 2377.6 | 2611.1 | *2648.3* | 2920.9 |
| 25° | 1853.0 | 1817.6 | 1773.0 | 1746.0 | 1796.2 | 1917.2 | 2139.5 | 2450.2 | 2688.3 | *2724.6* | 3020.4 |
| 27.5° | 2352.5 | 2251.1 | 2091.1 | 1911.6 | 1857.6 | 1956.2 | 2186.0 | 2523.7 | 2766.4 | *2799.0* | 3127.4 |
| 30° | 3163.6 | 3030.6 | 2759.0 | 2354.4 | 2054.8 | 2038.1 | 2246.5 | 2597.1 | 2849.2 | *2884.6* | 3241.8 |
| 32.5° | 3976.6 | 3944.1 | 3630.6 | 3070.6 | 2498.5 | 2220.4 | 2346.9 | 2696.7 | 2959.0 | *2986.9* | 3396.2 |
| 35° | 4798.9 | 4732.9 | 4476.2 | 3922.7 | 3182.2 | 2591.6 | 2514.4 | 2826.9 | 3103.2 | *3134.8* | 3621.3 |
| 37.5° | 5428.7 | 5388.7 | 5229.6 | 4773.8 | 3993.4 | 3164.6 | 2800.9 | 3028.8 | 3312.5 | *3347.8* | 3909.7 |
| 40° | 5985.0 | 5966.4 | 5912.4 | 5611.9 | 4900.3 | 3914.3 | 3246.4 | 3341.3 | 3602.7 | *3644.6* | 4263.1 |
| 42.5° | 6422.2 | 6465.9 | 6496.6 | 6412.9 | 5835.2 | 4770.1 | 3845.5 | 3780.4 | 4007.3 | *4050.1* | 4713.4 |
| 45° | 6869.6 | 6884.5 | 7008.2 | 7129.1 | 6763.5 | 5665.0 | 4520.8 | 4294.8 | 4510.6 | *4563.6* | 5252.9 |
| 47.5° | 7157.0 | 7216.6 | 7434.2 | 7647.2 | 7544.0 | 6552.4 | 5246.4 | 4902.2 | 5093.8 | *5193.4* | 5857.5 |
| 50° | 7178.4 | 7291.0 | 7590.5 | 7961.7 | 8112.3 | 7397.0 | 6035.2 | 5594.3 | 5798.0 | *5907.8* | 6503.1 |
| 52.5° | 6822.1 | 6997.0 | 7461.2 | 8004.4 | 8419.3 | 8112.3 | 6851.0 | 6286.3 | 6547.7 | *6691.0* | 7172.8 |
| 55° | 5230.6 | 5459.4 | 6974.7 | 7771.9 | 8431.4 | 8654.7 | 7645.4 | 7007.3 | 7383.1 | *7544.9* | 7896.5 |
| 57.5° | 4557.1 | 4672.4 | 5483.6 | 7368.2 | 8207.2 | 8873.3 | 8363.5 | 7693.8 | 8291.9 | *8492.8* | 8580.2 |
| 60° | 3791.5 | 3943.2 | 4598.9 | 6707.7 | 7903.0 | 8894.6 | 8997.9 | 8579.3 | 9277.0 | *9503.0* | 9207.2 |
| 62.5° | 2576.7 | 2741.3 | 3393.4 | 5572.9 | 7487.2 | 8884.4 | 9517.9 | 9490.9 | 10371.8 | *10614.6* | 9738.3 |
| 65° | 1596.2 | 1699.5 | 2129.2 | 4550.6 | 6905.9 | 8895.6 | 10062.1 | 10597.9 | 11527.1 | *11773.6* | 10149.5 |
| 67.5° | 1261.4 | 1308.8 | 1533.0 | 3493.9 | 5904.0 | 8644.4 | 10605.3 | 11638.8 | 12614.6 | *12809.9* | 10275.1 |
| 70° | *847.4* | *876.3* | *1115.3* | *2342.3* | *4392.4* | *7485.4* | *10595.1* | *12161.5* | *13174.5* | *13272.2* | *9817.4* |
| 72.5° | 446.5 | 468.8 | 652.1 | 1084.6 | 2653.0 | 5320.8 | 8930.9 | 11536.4 | 12617.3 | *12470.4* | 8391.4 |
| 75° | 223.2 | 260.5 | 439.1 | 550.7 | 1133.0 | 2967.4 | 5545.9 | 9095.6 | 9930.9 | *9361.6* | 5384.0 |
| 77.5° | 169.3 | 204.6 | 362.8 | 362.8 | 394.4 | 999.0 | 2348.8 | 4960.8 | 4575.7 | *3810.1* | 1580.4 |
| 80° | 107.9 | 139.5 | 317.2 | 274.4 | 164.6 | 253.9 | 612.1 | 1389.7 | 972.1 | *739.5* | 287.4 |
| 82.5° | 63.3 | 91.2 | 264.2 | 181.4 | 92.1 | 94.0 | 173.0 | 295.8 | 252.1 | *196.3* | 88.4 |
| 85° | 25.1 | 59.5 | 181.4 | 71.6 | 36.3 | 23.3 | 52.1 | 63.3 | 52.1 | *39.1* | 22.3 |
| 87.5° | 0.0 | 14.0 | 31.6 | 0.0 | 2.8 | 1.9 | 3.7 | 4.7 | 4.7 | *3.7* | 7.4 |
| 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° | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 | 2297.6 |
| 2.5° | 2307.8 | 2309.7 | 2315.3 | 2316.2 | 2303.2 | 2286.5 | 2279.9 | 2277.1 | 2266.0 | 2265.1 | 2266.9 |
| 5° | 2335.8 | 2344.1 | 2335.8 | 2311.6 | 2253.9 | 2173.0 | 2111.6 | 2061.3 | 2015.8 | 2001.8 | 1993.4 |
| 7.5° | 2391.6 | 2399.9 | 2374.8 | 2279.9 | 2134.8 | 1973.9 | 1828.8 | 1726.5 | 1634.4 | 1600.0 | 1586.0 |
| 10° | 2471.6 | 2482.7 | 2403.7 | 2212.0 | 1955.3 | 1696.7 | 1451.1 | 1278.1 | 1143.2 | 1088.3 | 1065.1 |
| 12.5° | 2572.0 | 2576.7 | 2419.5 | 2108.8 | 1721.8 | 1352.5 | 1004.6 | 819.5 | 699.5 | 654.9 | 640.9 |
| 15° | 2682.7 | 2676.2 | 2421.3 | 1968.3 | 1403.7 | 956.3 | 655.8 | 538.6 | 490.2 | 475.3 | 475.3 |
| 17.5° | 2799.0 | 2772.0 | 2384.1 | 1765.5 | 1054.9 | 653.9 | 486.5 | 458.6 | 450.2 | 446.5 | 445.6 |
| 20° | 2913.4 | 2852.9 | 2316.2 | 1500.4 | 757.2 | 488.4 | 441.8 | 433.5 | 428.8 | 427.0 | 425.1 |
| 22.5° | 3017.6 | 2914.3 | 2199.9 | 1192.5 | 549.8 | 431.6 | 417.7 | 410.2 | 401.8 | 398.1 | 397.2 |
| 25° | 3119.0 | 2949.7 | 2036.2 | 905.1 | 440.0 | 403.7 | 392.5 | 378.6 | 367.4 | 362.8 | 360.9 |
| 27.5° | 3217.6 | 2972.0 | 1831.6 | 669.7 | 392.5 | 377.7 | 357.2 | 337.7 | 329.3 | 327.4 | 325.6 |
| 30° | 3322.7 | 2979.5 | 1599.0 | 499.5 | 363.7 | 345.1 | 315.3 | 293.0 | 288.4 | 289.3 | 289.3 |
| 32.5° | 3451.1 | 2990.6 | 1364.6 | 409.3 | 339.5 | 306.0 | 270.7 | 247.4 | 243.7 | 247.4 | 246.5 |
| 35° | 3604.6 | 3012.9 | 1138.6 | 376.7 | 318.1 | 266.0 | 227.9 | 208.4 | 204.6 | 207.4 | 206.5 |
| 37.5° | 3812.9 | 3049.2 | 927.4 | 370.2 | 300.5 | 232.6 | 191.6 | 175.8 | 175.8 | 176.7 | 175.8 |
| 40° | 4090.1 | 3146.0 | 738.6 | 365.6 | 291.2 | 207.4 | 161.9 | 155.3 | 158.1 | 160.0 | 160.0 |
| 42.5° | 4427.8 | 3351.5 | 611.1 | 360.0 | 280.9 | 196.3 | 147.0 | 144.2 | 148.8 | 150.7 | 150.7 |
| 45° | 4806.4 | 3612.0 | 566.5 | 350.7 | 271.6 | 203.7 | 140.5 | 136.7 | 142.3 | 143.3 | 144.2 |
| 47.5° | 5198.0 | 3866.9 | 560.9 | 340.5 | 262.3 | 214.9 | 138.6 | 130.2 | 136.7 | 137.7 | 138.6 |
| 50° | 5594.3 | 4033.4 | 566.5 | 324.6 | 247.4 | 214.9 | 139.5 | 123.7 | 129.3 | 132.1 | 133.0 |
| 52.5° | 5993.3 | 4109.7 | 562.8 | 290.2 | 221.4 | 201.9 | 139.5 | 118.1 | 123.7 | 125.6 | 125.6 |
| 55° | 6380.3 | 4094.8 | 506.0 | 239.1 | 187.9 | 178.6 | 135.8 | 113.5 | 117.2 | 118.1 | 118.1 |
| 57.5° | 6686.3 | 3887.3 | 400.9 | 186.0 | 152.6 | 148.8 | 123.7 | 107.9 | 110.7 | 109.8 | 109.8 |
| 60° | 6846.3 | 3431.5 | 286.5 | 143.3 | 120.0 | 117.2 | 108.8 | 100.5 | 102.3 | 97.7 | 96.7 |
| 62.5° | 6848.2 | 2828.8 | 191.6 | 113.5 | 95.8 | 93.0 | 93.0 | 90.2 | 88.4 | 79.1 | 76.3 |
| 65° | 6702.1 | 2159.9 | 127.4 | 90.2 | 77.2 | 72.6 | 78.1 | 77.2 | 70.7 | 57.7 | 55.8 |
| 67.5° | 6371.0 | 1415.8 | 96.7 | 70.7 | 59.5 | 56.7 | 62.3 | 65.1 | 60.5 | 48.4 | 47.4 |
| 70° | *5690.1* | *824.2* | *80.0* | *54.9* | *44.6* | *41.9* | *50.2* | *55.8* | *50.2* | *39.1* | *37.2* |
| 72.5° | 4726.4 | 444.6 | 65.1 | 40.9 | 30.7 | 27.9 | 40.0 | 45.6 | 40.0 | 28.8 | 27.9 |
| 75° | 3066.9 | 238.1 | 50.2 | 27.0 | 15.8 | 17.7 | 29.8 | 33.5 | 27.9 | 18.6 | 16.7 |
| 77.5° | 1029.7 | 105.1 | 31.6 | 13.0 | 7.4 | 7.4 | 17.7 | 20.5 | 13.0 | 6.5 | 5.6 |
| 80° | 229.8 | 43.7 | 13.0 | 5.6 | 2.8 | 2.8 | 3.7 | 3.7 | 1.9 | 0.0 | 0.0 |
| 82.5° | 75.3 | 17.7 | 5.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 28.8 | 6.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 11.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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(END OF REPORT)