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: P1198878

Luminaire Tested: GPC-SB1D-827-U-AFL

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198878 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1D-827-U-AFL |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE FRONTLINE OPTI( |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9047 lumens |
| Efficiency: | N/A |
| Efficacy: | 113.7 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 79.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.638 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.997 |
| Total Harmonic Distortion (THDi): | 6.673 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

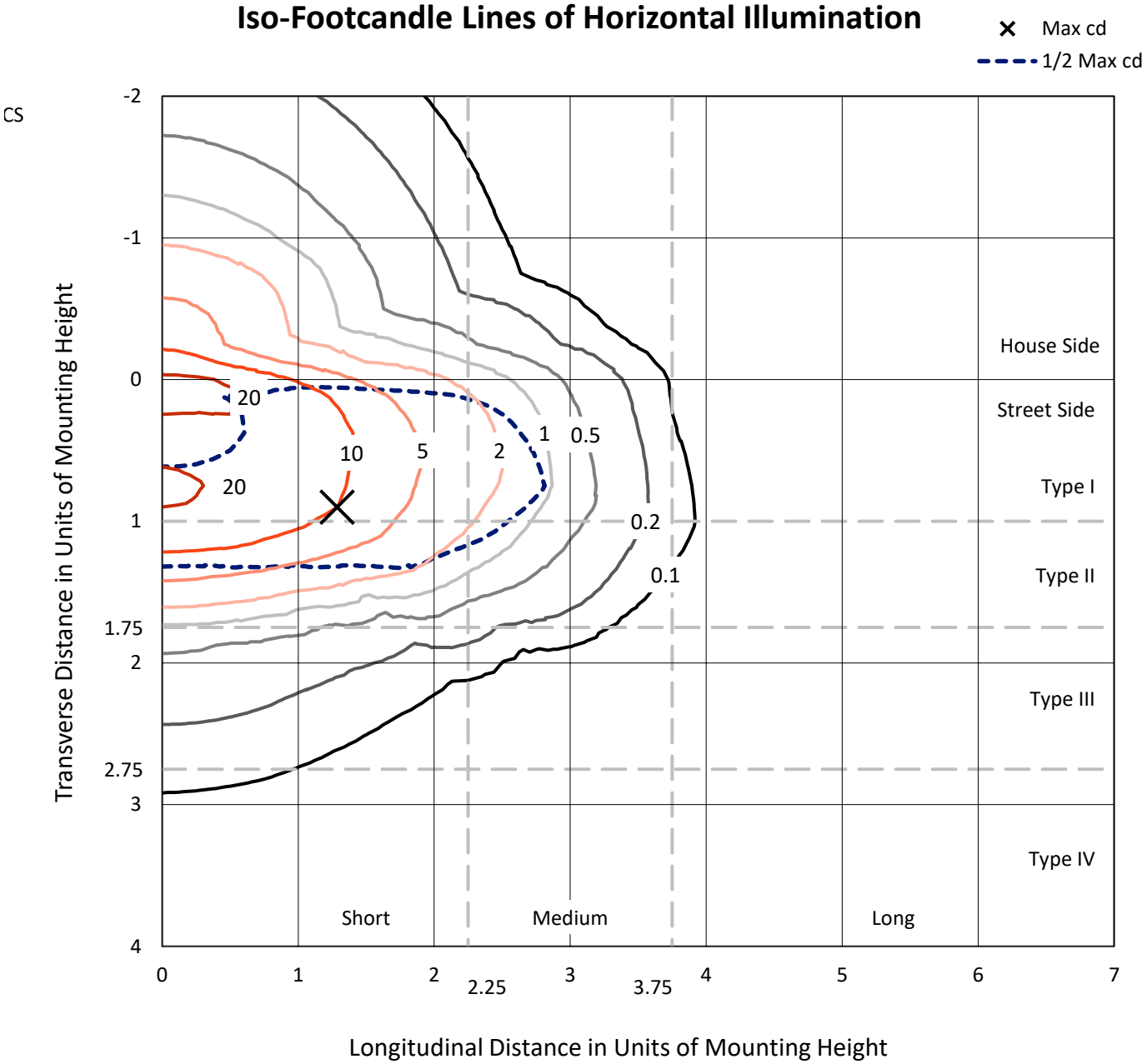


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## Iso-Footcandle Lines of Horizontal Illumination



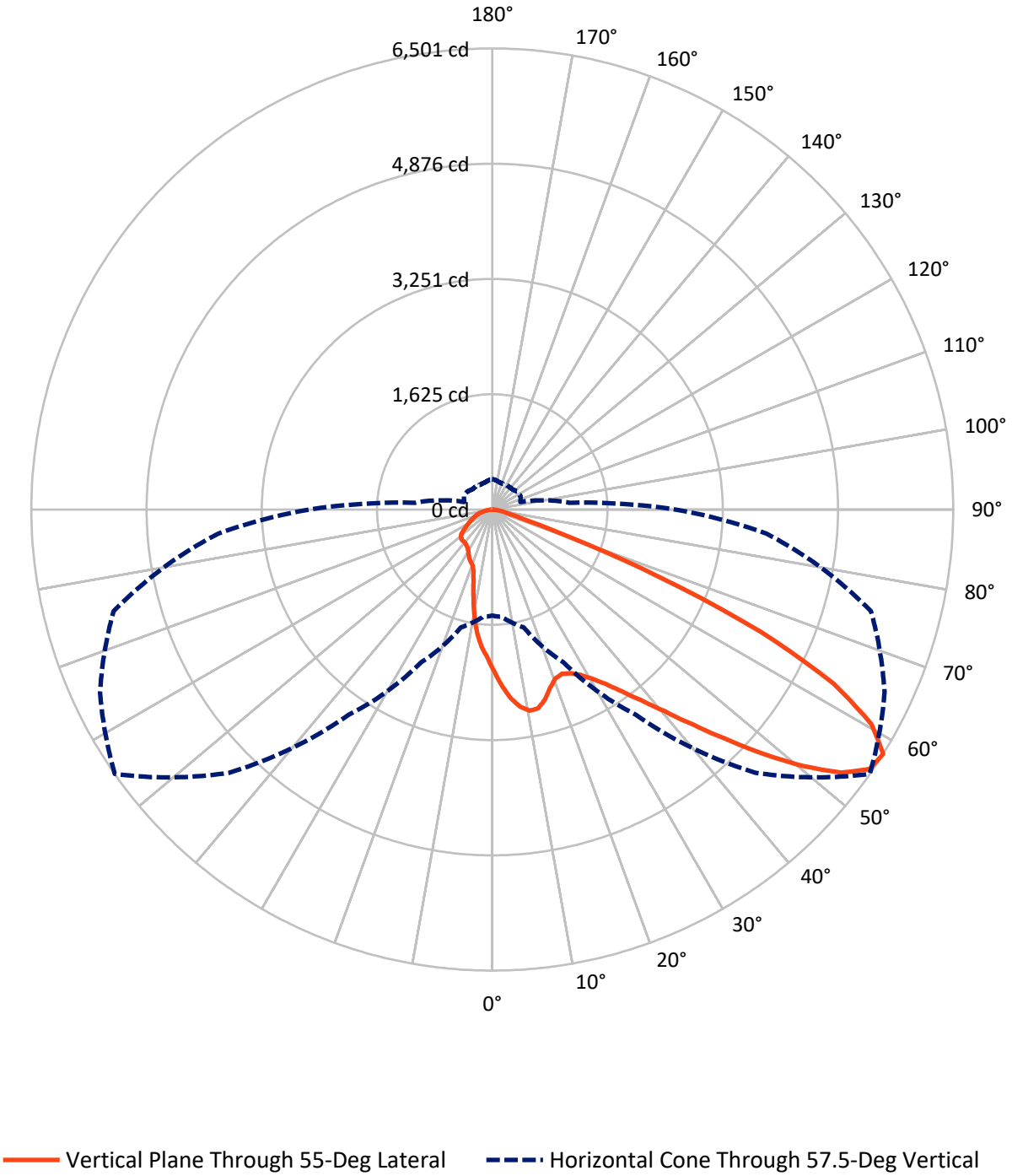

Based on 10 foot mounting height. Maximum calculated value = 27.4 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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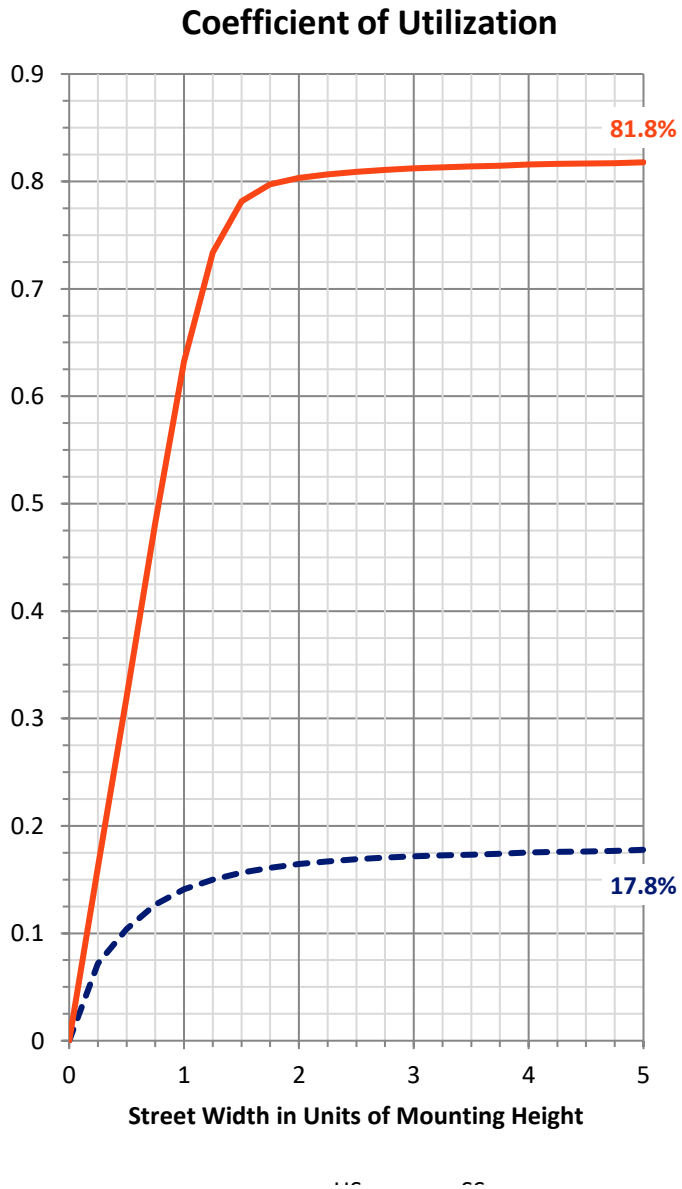
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1637.0 | 0.0 | 1637.0 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| **Street Side** | Lumens | 7410.0 | 0.0 | 7410.0 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| **Total** | Lumens | 9047.0 | 0.0 | 9047.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 210.4 | 2.3 |
| 10°-20° | 530.9 | 5.9 |
| 20°-30° | 847.2 | 9.4 |
| 30°-40° | 1341.4 | 14.8 |
| 40°-50° | 2053.1 | 22.7 |
| 50°-60° | 2199.1 | 24.3 |
| 60°-70° | 1383.5 | 15.3 |
| 70°-80° | 409.1 | 4.5 |
| 80°-90° | 72.3 | 0.8 |
| 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° | 9047.0 | 100.0 |
| 0°-180° | 9047.0 | 100.0 |



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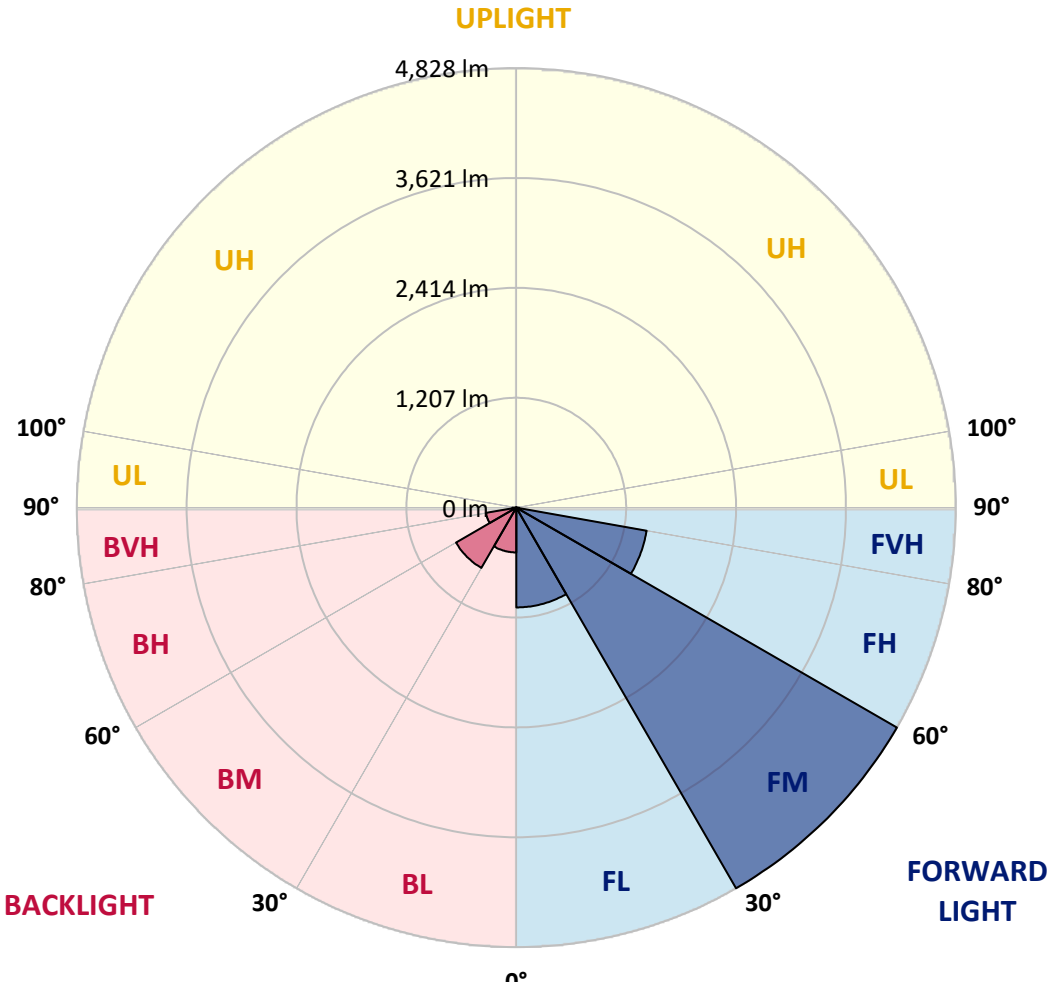
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1096.5 | 12.1 | | | |
| FM | (30°-60°) | 4828.4 | 53.4 | | | |
| FH | (60°-80°) | 1454.5 | 16.1 | | | G1/1800 |
| FVH | (80°-90°) | 30.6 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 492.0 | 5.4 | B1/500 | | |
| BM | (30°-60°) | 765.1 | 8.5 | B1/1000 | | |
| BH | (60°-80°) | 338.1 | 3.7 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 41.8 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G1**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 |
| 2.5° | 2600.8 | 2598.9 | 2609.2 | 2574.2 | 2550.3 | 2518.0 | 2475.5 | 2421.2 | 2362.8 | 2301.0 | 2274.4 |
| 5° | 2835.1 | 2818.8 | 2829.5 | 2803.3 | 2777.1 | 2728.5 | 2665.4 | 2577.0 | 2468.9 | 2345.9 | 2280.4 |
| 7.5° | 2798.2 | 2787.0 | 2814.5 | 2837.9 | 2857.6 | 2851.5 | 2805.2 | 2712.6 | 2573.2 | 2394.6 | 2299.6 |
| 10° | 2500.3 | 2487.6 | 2526.5 | 2607.4 | 2726.2 | 2829.5 | 2885.6 | 2828.1 | 2679.9 | 2447.9 | 2318.3 |
| 12.5° | 2237.4 | 2231.3 | 2257.1 | 2322.5 | 2454.4 | 2652.7 | 2875.3 | 2929.1 | 2790.7 | 2511.0 | 2343.6 |
| 15° | 2125.2 | 2117.7 | 2134.1 | 2167.3 | 2251.5 | 2436.2 | 2781.8 | 2998.3 | 2899.7 | 2584.0 | 2383.8 |
| 17.5° | 2100.4 | 2092.0 | 2099.0 | 2116.3 | 2170.5 | 2311.3 | 2640.6 | 3032.5 | 3013.3 | 2665.4 | 2417.5 |
| 20° | 2146.2 | 2139.2 | 2140.1 | 2139.2 | 2177.1 | 2288.9 | 2542.4 | 3019.4 | 3112.5 | 2740.2 | 2450.2 |
| 22.5° | 2257.1 | 2245.4 | 2245.8 | 2221.1 | 2241.6 | 2328.2 | 2516.6 | 2984.3 | 3200.9 | 2805.7 | 2475.0 |
| 25° | 2437.6 | 2416.5 | 2420.8 | 2357.6 | 2352.0 | 2416.1 | 2556.9 | 2957.2 | 3288.8 | 2858.0 | 2479.7 |
| 27.5° | 2684.5 | 2660.7 | 2648.1 | 2554.0 | 2509.1 | 2540.9 | 2638.7 | 2966.5 | 3372.0 | 2903.4 | 2468.0 |
| 30° | 2993.2 | 2964.2 | 2938.5 | 2805.2 | 2723.8 | 2712.1 | 2765.9 | 3028.3 | 3470.2 | 2951.1 | 2447.9 |
| 32.5° | 3371.6 | 3337.9 | 3291.1 | 3114.3 | 2999.8 | 2938.5 | 2930.5 | 3138.2 | 3585.3 | 3011.9 | 2437.6 |
| 35° | 3821.9 | 3778.0 | 3711.6 | 3482.9 | 3337.9 | 3212.6 | 3147.5 | 3296.7 | 3742.9 | 3103.6 | 2449.3 |
| 37.5° | 4285.9 | 4236.3 | 4175.5 | 3903.3 | 3725.1 | 3540.4 | 3412.3 | 3511.9 | 3952.9 | 3228.0 | 2480.2 |
| 40° | 4713.8 | 4658.2 | 4601.6 | 4359.3 | 4168.0 | 3945.4 | 3736.4 | 3784.1 | 4209.7 | 3376.7 | 2532.5 |
| 42.5° | 4966.4 | 4925.2 | 4903.7 | 4772.8 | 4625.0 | 4399.1 | 4139.5 | 4106.8 | 4498.2 | 3547.9 | 2592.4 |
| 45° | 4955.2 | 4938.3 | 5004.7 | 5059.0 | 5023.9 | 4898.6 | 4611.9 | 4463.6 | 4787.7 | 3696.1 | 2647.6 |
| 47.5° | 4690.4 | 4701.7 | 4849.9 | 5154.9 | 5289.1 | 5354.6 | 5149.7 | 4813.9 | 5039.3 | 3807.0 | 2672.4 |
| 50° | 3970.2 | 3979.6 | 4322.8 | 4980.4 | 5357.4 | 5726.4 | 5683.3 | 5155.8 | 5234.4 | 3874.8 | 2666.8 |
| 52.5° | 3400.1 | 3406.2 | 3553.5 | 4463.1 | 5131.9 | 5913.4 | 6164.1 | 5478.0 | 5377.0 | 3893.5 | 2635.4 |
| 55° | 2561.1 | 2582.1 | 2747.2 | 3501.6 | 4545.5 | 5765.2 | 6456.9 | 5810.1 | 5467.3 | 3895.4 | 2602.7 |
| 57.5° | 1496.1 | 1519.1 | 1723.0 | 2376.8 | 3532.9 | 5248.4 | 6501.3 | 6104.7 | 5528.5 | 3880.4 | 2583.0 |
| 60° | 732.9 | 742.7 | 831.5 | 1249.2 | 2178.5 | 4252.7 | 6144.0 | 6247.4 | 5562.7 | 3872.5 | 2582.1 |
| 62.5° | 493.9 | 492.5 | 496.2 | 616.4 | 1073.3 | 2732.2 | 5399.5 | 5997.6 | 5544.4 | 3842.1 | 2572.8 |
| 65° | 424.7 | 419.5 | 405.5 | 432.6 | 556.1 | 1249.7 | 4171.8 | 5252.1 | 5405.5 | 3765.8 | 2508.7 |
| 67.5° | 367.1 | 367.6 | 368.1 | 359.7 | 397.1 | 576.7 | 2549.4 | 4137.2 | 4907.0 | 3404.8 | 2261.7 |
| 70° | 304.0 | 308.2 | 310.1 | 310.1 | 323.6 | 378.4 | 1088.3 | 2835.6 | 3870.6 | 2669.6 | 1821.6 |
| 72.5° | 276.9 | 268.0 | 268.9 | 264.2 | 264.2 | 288.1 | 438.2 | 1607.4 | 2438.5 | 1501.7 | 1111.7 |
| 75° | 225.9 | 231.5 | 232.4 | 229.2 | 218.4 | 219.8 | 260.0 | 674.4 | 1043.4 | 623.0 | 549.5 |
| 77.5° | 195.0 | 195.0 | 196.9 | 194.6 | 186.1 | 164.6 | 173.5 | 261.4 | 355.0 | 255.4 | 274.5 |
| 80° | 156.7 | 156.2 | 164.2 | 168.8 | 155.7 | 121.6 | 110.8 | 144.5 | 157.6 | 112.2 | 142.6 |
| 82.5° | 76.2 | 80.9 | 112.7 | 128.6 | 118.3 | 87.9 | 67.8 | 89.8 | 84.2 | 49.6 | 64.1 |
| 85° | 44.4 | 42.1 | 50.5 | 71.6 | 67.8 | 48.6 | 32.7 | 46.8 | 44.0 | 25.3 | 25.7 |
| 87.5° | 14.0 | 13.1 | 10.3 | 24.3 | 19.6 | 13.6 | 8.9 | 13.6 | 12.2 | 5.6 | 5.6 |
| 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):**

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 | 2266.9 |
| 2.5° | 2241.2 | 2186.0 | 2131.3 | 2081.2 | 2050.8 | 2031.2 | 2011.5 | 1989.5 | 1981.1 | 1968.5 |
| 5° | 2218.7 | 2112.1 | 2017.1 | 1935.3 | 1860.9 | 1802.5 | 1743.5 | 1695.8 | 1674.3 | 1688.8 |
| 7.5° | 2205.6 | 2051.3 | 1904.9 | 1754.8 | 1610.3 | 1494.7 | 1394.2 | 1323.6 | 1291.8 | 1299.7 |
| 10° | 2193.9 | 1982.5 | 1759.4 | 1522.3 | 1314.7 | 1171.6 | 1068.7 | 1014.9 | 994.8 | 999.0 |
| 12.5° | 2183.2 | 1905.4 | 1584.1 | 1272.1 | 1051.4 | 956.9 | 927.4 | 927.9 | 931.6 | 934.4 |
| 15° | 2181.3 | 1812.3 | 1388.1 | 1053.2 | 909.2 | 903.1 | 934.9 | 955.0 | 965.8 | 969.0 |
| 17.5° | 2178.5 | 1701.0 | 1188.4 | 904.0 | 874.6 | 915.7 | 945.2 | 958.3 | 966.7 | 967.2 |
| 20° | 2167.3 | 1559.7 | 1004.1 | 833.0 | 867.1 | 902.6 | 920.9 | 931.2 | 938.2 | 940.5 |
| 22.5° | 2132.7 | 1402.6 | 860.5 | 801.1 | 837.2 | 865.7 | 887.2 | 898.9 | 903.1 | 905.9 |
| 25° | 2070.5 | 1226.7 | 761.4 | 770.8 | 795.5 | 831.5 | 848.9 | 851.2 | 849.8 | 854.0 |
| 27.5° | 1989.1 | 1038.3 | 699.7 | 729.6 | 761.4 | 792.3 | 801.6 | 800.2 | 797.4 | 802.1 |
| 30° | 1890.9 | 869.0 | 660.4 | 683.3 | 726.8 | 754.8 | 763.3 | 760.0 | 754.4 | 759.5 |
| 32.5° | 1787.0 | 730.5 | 628.1 | 651.0 | 698.3 | 725.9 | 734.3 | 731.0 | 726.8 | 731.0 |
| 35° | 1690.2 | 633.7 | 598.2 | 629.5 | 675.8 | 702.9 | 713.7 | 714.2 | 714.2 | 719.3 |
| 37.5° | 1601.4 | 577.1 | 573.4 | 615.9 | 660.4 | 684.7 | 700.1 | 701.1 | 681.0 | 682.4 |
| 40° | 1519.1 | 553.3 | 562.2 | 607.1 | 645.4 | 668.8 | 669.7 | 617.3 | 580.4 | 579.5 |
| 42.5° | 1451.7 | 548.6 | 565.4 | 606.1 | 634.7 | 635.6 | 569.6 | 529.0 | 518.7 | 519.1 |
| 45° | 1388.6 | 547.2 | 572.9 | 606.1 | 618.8 | 549.1 | 504.6 | 493.9 | 494.8 | 498.6 |
| 47.5° | 1317.9 | 541.6 | 574.3 | 597.7 | 572.9 | 488.3 | 475.2 | 470.5 | 468.6 | 469.6 |
| 50° | 1240.8 | 521.5 | 556.5 | 580.9 | 494.3 | 462.1 | 445.7 | 444.3 | 446.6 | 448.0 |
| 52.5° | 1159.4 | 488.7 | 526.1 | 550.5 | 458.3 | 439.2 | 420.9 | 424.2 | 434.5 | 437.8 |
| 55° | 1106.1 | 450.4 | 485.9 | 489.7 | 433.1 | 417.6 | 402.2 | 409.7 | 428.9 | 434.9 |
| 57.5° | *1092.1* | *409.7* | *440.1* | *435.9* | *400.8* | *398.9* | *389.6* | *396.1* | *420.5* | *429.3* |
| 60° | 1087.8 | 373.2 | 395.2 | 391.9 | 369.5 | 378.4 | 376.0 | 379.3 | 387.7 | 390.5 |
| 62.5° | 1055.1 | 344.2 | 355.0 | 350.3 | 341.4 | 356.8 | 362.5 | 355.4 | 362.0 | 365.3 |
| 65° | 971.9 | 320.8 | 315.7 | 312.4 | 316.2 | 330.2 | 341.4 | 327.4 | 333.5 | 342.8 |
| 67.5° | 834.4 | 289.0 | 275.0 | 278.7 | 290.4 | 297.9 | 312.4 | 296.5 | 301.7 | 317.6 |
| 70° | 674.9 | 248.8 | 236.2 | 246.9 | 258.2 | 273.6 | 275.9 | 265.2 | 277.3 | 295.1 |
| 72.5° | 477.5 | 208.1 | 199.2 | 221.2 | 225.0 | 245.1 | 239.9 | 234.8 | 251.6 | 257.7 |
| 75° | 331.1 | 167.9 | 162.8 | 179.6 | 193.2 | 210.5 | 206.7 | 212.8 | 248.3 | 251.1 |
| 77.5° | 209.5 | 130.5 | 127.2 | 138.0 | 156.7 | 175.9 | 181.9 | 251.1 | 424.2 | 441.0 |
| 80° | 121.6 | 97.3 | 93.5 | 102.0 | 118.3 | 136.1 | 175.4 | 308.2 | 279.7 | 276.4 |
| 82.5° | 67.8 | 66.9 | 62.2 | 64.5 | 79.0 | 98.2 | 247.9 | 217.0 | 176.3 | 181.9 |
| 85° | 31.8 | 39.3 | 33.7 | 32.3 | 44.4 | 115.1 | 165.6 | 123.9 | 82.3 | 80.4 |
| 87.5° | 8.4 | 7.5 | 7.5 | 8.4 | 18.7 | 99.1 | 65.9 | 52.8 | 31.3 | 30.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

0

(END OF REPORT)