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: P1197358

Luminaire Tested: GPC-SB1A-735-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1197358 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1A-735-U-T4FT-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 3414 lumens |
| Efficiency: | N/A |
| Efficacy: | 110.5 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 30.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.263 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.995 |
| Total Harmonic Distortion (THDi): | 6.356 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

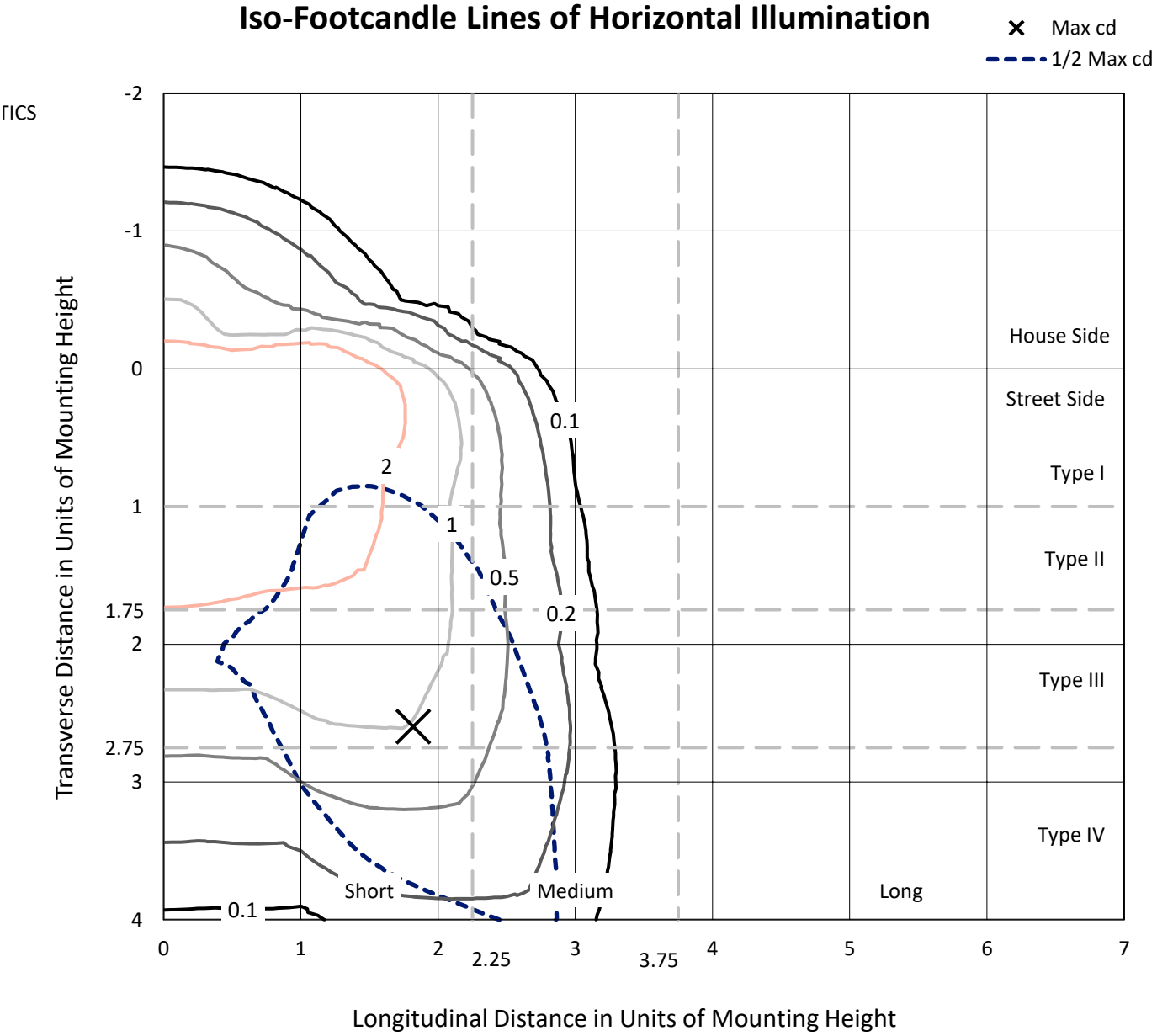


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## Iso-Footcandle Lines of Horizontal Illumination



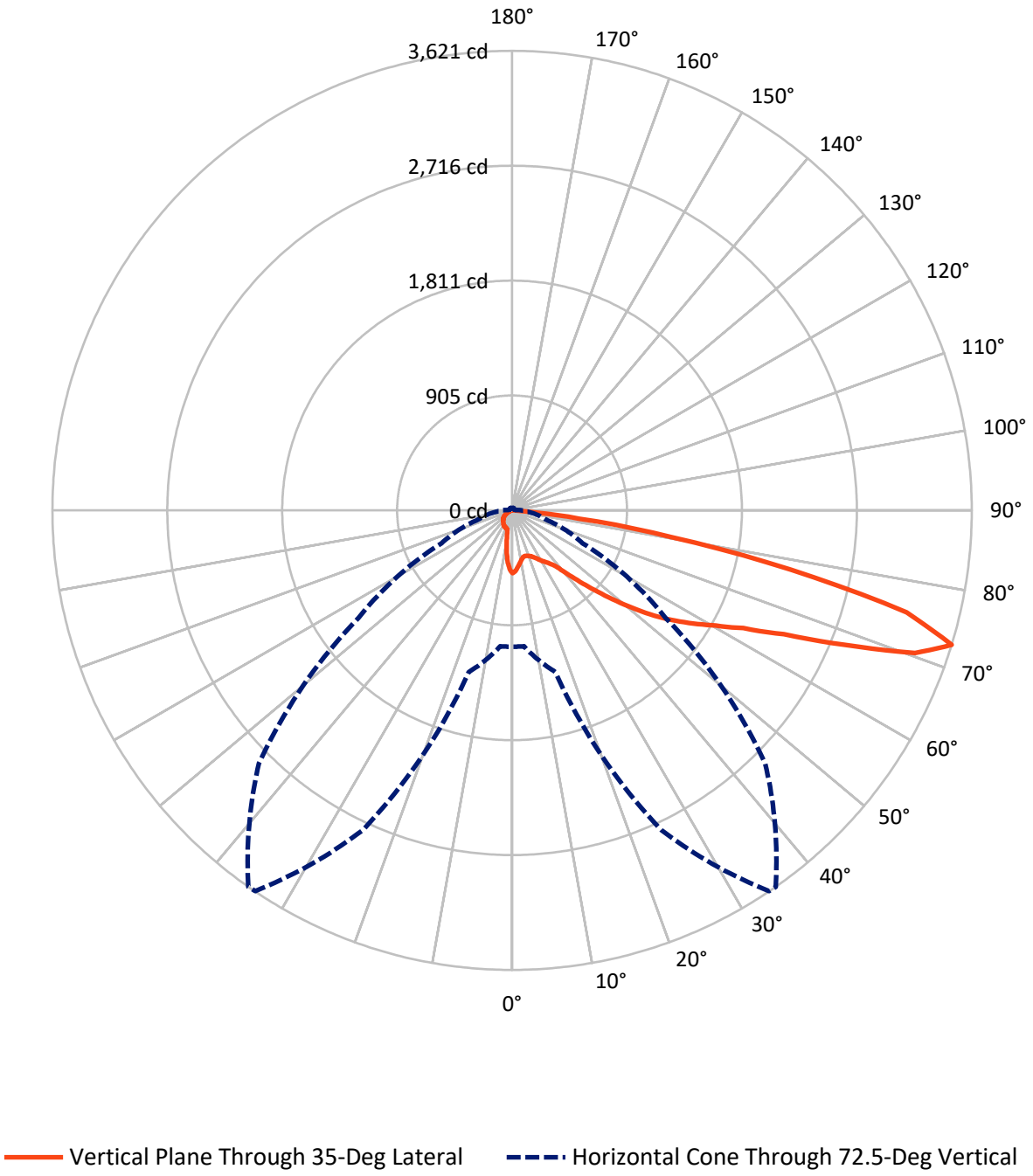

Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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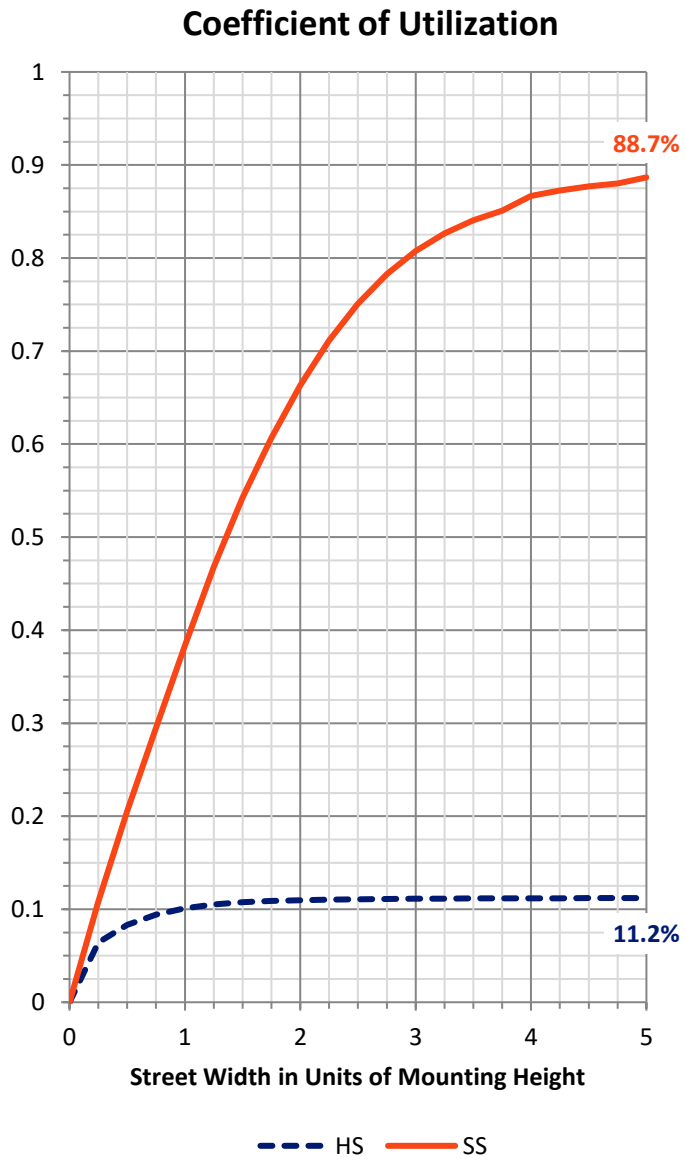
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 384.2 | 0.0 | 384.2 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| **Street Side** | Lumens | 3029.8 | 0.0 | 3029.8 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| **Total** | Lumens | 3414.0 | 0.0 | 3414.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 40.7 | 1.2 |
| 10°-20° | 95.1 | 2.8 |
| 20°-30° | 154.5 | 4.5 |
| 30°-40° | 257.8 | 7.6 |
| 40°-50° | 487.8 | 14.3 |
| 50°-60° | 775.1 | 22.7 |
| 60°-70° | 958.8 | 28.1 |
| 70°-80° | 596.0 | 17.5 |
| 80°-90° | 48.2 | 1.4 |
| 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° | 3414.0 | 100.0 |
| 0°-180° | 3414.0 | 100.0 |



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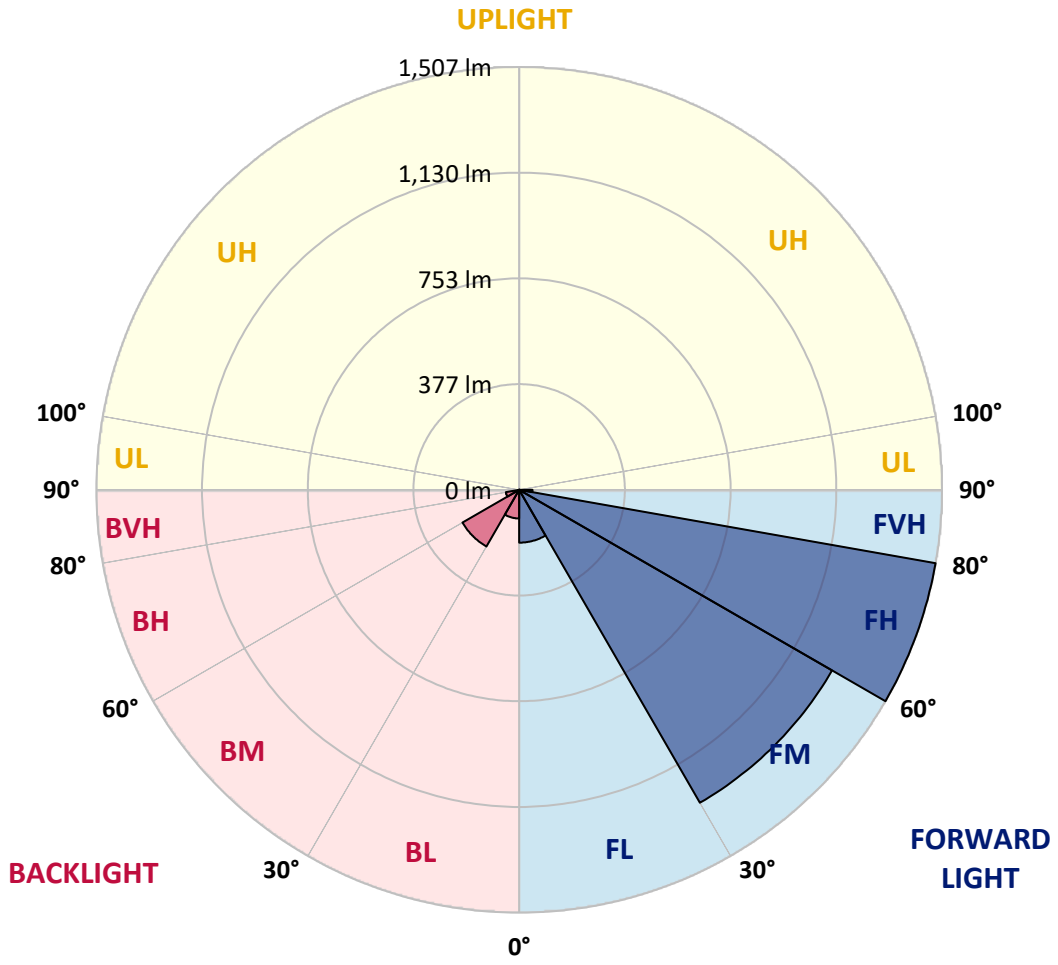
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 188.2 | 5.5 | | | |
| FM | (30°-60°) | 1287.4 | 37.7 | | | |
| FH | (60°-80°) | 1506.6 | 44.1 | | | G1/1800 |
| FVH | (80°-90°) | 47.5 | 1.4 | | | G1/100 |
| BL | (0°-30°) | 102.1 | 3.0 | B0/110 | | |
| BM | (30°-60°) | 233.3 | 6.8 | B1/1000 | | |
| BH | (60°-80°) | 48.2 | 1.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.7 | 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-G1**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | *494.8* | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 |
| 2.5° | 472.8 | 476.8 | 477.5 | 478.8 | 478.8 | *480.3* | 482.8 | 486.3 | 492.1 | 495.1 | 497.1 |
| 5° | 435.8 | 438.8 | 442.5 | 445.5 | 451.3 | *452.0* | 461.8 | 471.3 | 484.5 | 494.6 | 501.6 |
| 7.5° | 398.5 | 402.0 | 407.0 | 414.3 | 421.8 | *424.0* | 438.8 | 454.8 | 475.8 | 494.6 | 506.3 |
| 10° | 372.2 | 372.5 | 377.0 | 384.2 | 396.2 | *399.0* | 417.0 | 439.8 | 466.0 | 491.6 | 510.8 |
| 12.5° | 357.5 | 359.2 | 361.2 | 366.7 | 378.2 | *380.0* | 399.2 | 426.0 | 456.3 | 489.8 | 516.1 |
| 15° | 357.5 | 358.7 | 360.0 | 362.7 | 372.0 | *373.5* | 390.5 | 417.3 | 451.3 | 490.6 | 524.6 |
| 17.5° | 361.2 | 363.2 | 362.2 | 365.5 | 375.2 | *376.2* | 391.2 | 414.8 | 451.0 | 495.3 | 537.6 |
| 20° | 370.2 | 371.7 | 369.7 | 371.7 | 381.5 | *383.5* | 399.0 | 419.5 | 455.3 | 503.6 | 553.8 |
| 22.5° | 384.5 | 385.2 | 380.5 | 382.0 | 392.0 | *394.5* | 412.5 | 433.0 | 465.5 | 516.8 | 575.6 |
| 25° | 402.5 | 404.0 | 396.7 | 398.5 | 408.0 | *411.0* | 431.8 | 453.3 | 481.8 | 535.1 | 603.4 |
| 27.5° | 423.3 | 424.0 | 417.8 | 417.5 | 429.8 | *434.0* | 455.0 | 478.3 | 503.6 | 558.1 | 638.4 |
| 30° | 447.0 | 449.3 | 443.3 | 442.3 | 457.8 | *461.3* | 482.0 | 509.1 | 535.6 | 592.6 | 688.2 |
| 32.5° | 465.8 | 467.5 | 464.0 | 466.5 | 482.3 | *485.0* | 514.8 | 552.6 | 585.9 | 641.6 | 756.0 |
| 35° | 492.8 | 493.8 | 485.8 | 490.3 | 508.3 | *515.3* | 559.6 | 613.6 | 649.1 | 703.2 | 844.5 |
| 37.5° | 590.6 | 590.6 | 556.6 | 534.3 | 551.6 | *557.8* | 620.9 | 690.4 | 727.2 | 785.7 | 956.1 |
| 40° | 725.9 | 723.7 | 673.9 | 628.4 | 626.1 | *638.4* | 708.2 | 787.2 | 828.0 | 884.8 | 1081.7 |
| 42.5° | 870.3 | 866.8 | 799.0 | 754.0 | 746.5 | *750.7* | 809.0 | 906.6 | 948.1 | 1005.6 | 1216.7 |
| 45° | 998.4 | 997.4 | 935.3 | 874.8 | 861.3 | *874.8* | 934.8 | 1046.1 | 1075.9 | 1136.4 | 1351.6 |
| 47.5° | 1105.7 | 1105.7 | 1060.4 | 1020.9 | 1013.9 | *1021.9* | 1105.2 | 1201.0 | 1198.2 | 1275.8 | 1482.9 |
| 50° | 1229.3 | 1228.3 | 1185.2 | 1168.2 | 1175.5 | *1186.7* | 1301.3 | 1364.1 | 1324.8 | 1412.6 | 1600.2 |
| 52.5° | 1315.8 | 1321.8 | 1307.1 | 1304.3 | 1341.3 | *1360.8* | 1500.4 | 1523.7 | 1438.1 | 1542.4 | 1688.0 |
| 55° | 1384.3 | 1391.4 | 1408.4 | 1427.6 | 1498.9 | *1524.4* | 1693.3 | 1675.0 | 1532.9 | 1655.0 | 1738.6 |
| 57.5° | 1481.4 | 1471.4 | 1497.7 | 1535.7 | 1651.0 | *1681.8* | 1880.2 | 1817.9 | 1609.2 | 1746.3 | 1744.1 |
| 60° | 1599.2 | 1600.7 | 1605.2 | 1653.3 | 1802.9 | *1842.4* | 2064.3 | 1952.9 | 1658.3 | 1802.4 | 1683.0 |
| 62.5° | 1740.8 | 1743.1 | 1752.3 | 1826.1 | 2006.7 | *2044.0* | 2260.4 | 2063.5 | 1680.8 | 1786.6 | 1525.4 |
| 65° | 1731.1 | 1740.6 | 1843.9 | 2096.3 | 2316.7 | *2353.4* | 2489.3 | 2141.1 | 1646.8 | 1642.5 | 1242.0 |
| 67.5° | 1577.0 | 1592.5 | 1765.3 | 2419.0 | 2784.0 | *2825.0* | 2765.9 | 2156.3 | 1499.9 | 1277.3 | 810.2 |
| 70° | 1374.8 | 1380.3 | 1588.2 | 2709.2 | 3325.0 | *3366.6* | 3013.6 | 1988.5 | 1138.2 | 712.4 | 363.0 |
| 72.5° | *1073.7* | *1074.9* | *1318.8* | *2776.5* | *3618.7* | *3621.0* | *2819.2* | *1476.2* | *612.1* | *273.7* | *126.1* |
| 75° | 767.0 | 759.5 | 883.3 | 2251.6 | 3183.7 | *3209.2* | 2113.5 | 692.4 | 233.9 | 129.3 | 62.8 |
| 77.5° | 411.3 | 419.5 | 499.8 | 1335.3 | 2199.3 | *2242.9* | 1153.2 | 199.6 | 119.1 | 88.1 | 41.5 |
| 80° | 127.1 | 134.1 | 204.9 | 611.4 | 1245.8 | *1272.0* | 427.5 | 88.8 | 83.1 | 62.8 | 27.3 |
| 82.5° | 40.0 | 41.5 | 95.6 | 256.9 | 517.1 | *529.1* | 123.8 | 50.3 | 56.8 | 41.5 | 16.0 |
| 85° | 11.5 | 11.8 | 42.5 | 95.8 | 127.8 | *130.3* | 34.8 | 19.5 | 32.5 | 25.8 | 8.3 |
| 87.5° | 1.3 | 4.0 | 16.0 | 16.0 | 11.3 | *11.0* | 3.8 | 4.3 | 9.3 | 3.3 | 1.5 |
| 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° | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 | 494.8 |
| 2.5° | 495.8 | 496.1 | 492.8 | 487.3 | 481.3 | 476.3 | 470.0 | 465.0 | 461.5 | 460.5 | 462.3 |
| 5° | 499.3 | 497.6 | 488.3 | 471.5 | 451.5 | 434.3 | 415.0 | 399.7 | 389.7 | 385.5 | 387.0 |
| 7.5° | 504.6 | 499.6 | 479.3 | 446.3 | 408.0 | 374.0 | 339.5 | 312.7 | 295.7 | 287.2 | 288.4 |
| 10° | 509.1 | 499.1 | 464.3 | 409.8 | 351.2 | 299.7 | 253.2 | 220.9 | 202.9 | 194.4 | 194.6 |
| 12.5° | 513.3 | 498.8 | 444.8 | 366.5 | 287.2 | 224.1 | 180.9 | 164.9 | 159.8 | 158.1 | 157.6 |
| 15° | 521.3 | 499.6 | 420.3 | 316.9 | 223.4 | 169.4 | 153.6 | 153.3 | 154.3 | 153.8 | 153.6 |
| 17.5° | 532.3 | 500.3 | 392.5 | 264.4 | 172.4 | 149.3 | 148.6 | 150.8 | 152.3 | 151.6 | 151.3 |
| 20° | 546.6 | 503.3 | 363.0 | 212.4 | 148.1 | 144.3 | 146.1 | 148.1 | 149.3 | 148.1 | 147.8 |
| 22.5° | 566.6 | 508.6 | 330.7 | 170.6 | 140.3 | 141.3 | 142.8 | 145.1 | 146.3 | 144.6 | 144.3 |
| 25° | 591.1 | 516.8 | 298.9 | 148.3 | 136.6 | 137.8 | 140.1 | 142.6 | 144.1 | 142.3 | 142.1 |
| 27.5° | 622.9 | 530.1 | 269.7 | 143.3 | 132.8 | 133.6 | 136.8 | 140.6 | 142.6 | 140.3 | 140.3 |
| 30° | 668.9 | 551.8 | 244.4 | 145.6 | 130.6 | 128.8 | 133.3 | 138.6 | 140.8 | 138.8 | 138.6 |
| 32.5° | 729.9 | 582.6 | 228.9 | 149.1 | 129.6 | 123.3 | 127.6 | 134.3 | 138.1 | 136.8 | 136.8 |
| 35° | 810.0 | 629.4 | 222.9 | 153.1 | 128.8 | 117.6 | 120.6 | 127.8 | 134.3 | 135.6 | 135.6 |
| 37.5° | 907.1 | 694.4 | 224.6 | 154.8 | 126.6 | 112.8 | 114.3 | 120.6 | 129.1 | 133.1 | 134.1 |
| 40° | 1017.4 | 770.2 | 234.6 | 153.1 | 124.1 | 108.8 | 109.1 | 113.8 | 121.3 | 127.3 | 129.3 |
| 42.5° | 1131.2 | 858.8 | 253.2 | 146.6 | 121.8 | 105.3 | 104.6 | 107.8 | 112.8 | 117.1 | 118.8 |
| 45° | 1239.5 | 949.8 | 271.4 | 137.6 | 119.1 | 101.8 | 100.1 | 101.3 | 102.3 | 104.1 | 105.1 |
| 47.5° | 1334.1 | 1013.9 | 266.2 | 129.3 | 115.3 | 97.8 | 94.8 | 94.3 | 91.3 | 91.1 | 90.8 |
| 50° | 1399.4 | 1027.9 | 236.4 | 121.1 | 109.8 | 93.3 | 88.6 | 85.6 | 80.3 | 77.8 | 78.0 |
| 52.5° | 1420.1 | 972.6 | 193.1 | 112.8 | 100.8 | 87.3 | 80.5 | 75.8 | 69.3 | 67.0 | 66.8 |
| 55° | 1392.6 | 864.3 | 154.3 | 102.8 | 88.3 | 79.3 | 71.8 | 65.5 | 60.3 | 57.5 | 57.5 |
| 57.5° | 1325.3 | 726.4 | 122.1 | 91.1 | 75.0 | 70.3 | 62.8 | 56.5 | 52.0 | 49.3 | 48.8 |
| 60° | 1213.7 | 576.9 | 96.6 | 77.0 | 64.0 | 60.5 | 52.8 | 48.8 | 44.8 | 41.5 | 40.8 |
| 62.5° | 1044.4 | 411.8 | 75.8 | 61.0 | 53.5 | 49.5 | 45.0 | 42.0 | 37.3 | 32.8 | 32.0 |
| 65° | 815.0 | 251.9 | 58.5 | 44.8 | 43.0 | 41.0 | 38.3 | 35.5 | 29.8 | 25.3 | 24.5 |
| 67.5° | 514.1 | 119.3 | 41.8 | 33.8 | 34.0 | 33.0 | 31.8 | 29.5 | 25.3 | 21.3 | 20.8 |
| 70° | 226.4 | 57.8 | 27.5 | 25.8 | 25.3 | 25.3 | 26.3 | 25.5 | 21.5 | 17.8 | 17.0 |
| 72.5° | *77.0* | *31.0* | *20.5* | *19.5* | *18.3* | *18.0* | *22.0* | *21.3* | *17.3* | *13.8* | *13.0* |
| 75° | 40.3 | 20.8 | 15.0 | 14.0 | 11.0 | 13.3 | 17.5 | 16.5 | 12.3 | 9.0 | 8.3 |
| 77.5° | 26.3 | 14.8 | 10.3 | 9.0 | 6.3 | 8.8 | 13.0 | 11.5 | 7.3 | 4.5 | 4.0 |
| 80° | 16.5 | 9.8 | 6.0 | 4.3 | 3.0 | 4.8 | 7.0 | 5.0 | 2.8 | 1.0 | 0.8 |
| 82.5° | 8.8 | 5.0 | 2.3 | 1.5 | 1.3 | 1.5 | 1.8 | 1.3 | 0.5 | 0.0 | 0.0 |
| 85° | 3.5 | 1.8 | 0.8 | 0.5 | 0.3 | 0.0 | 0.5 | 0.3 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.3 | 0.3 | 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 |

(END OF REPORT)