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: P1201138

Luminaire Tested: GWC-SB1A-735-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201138 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1A-735-U-T2-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 3293 lumens |
| Efficiency: | N/A |
| Efficacy: | 106.6 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| 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 |

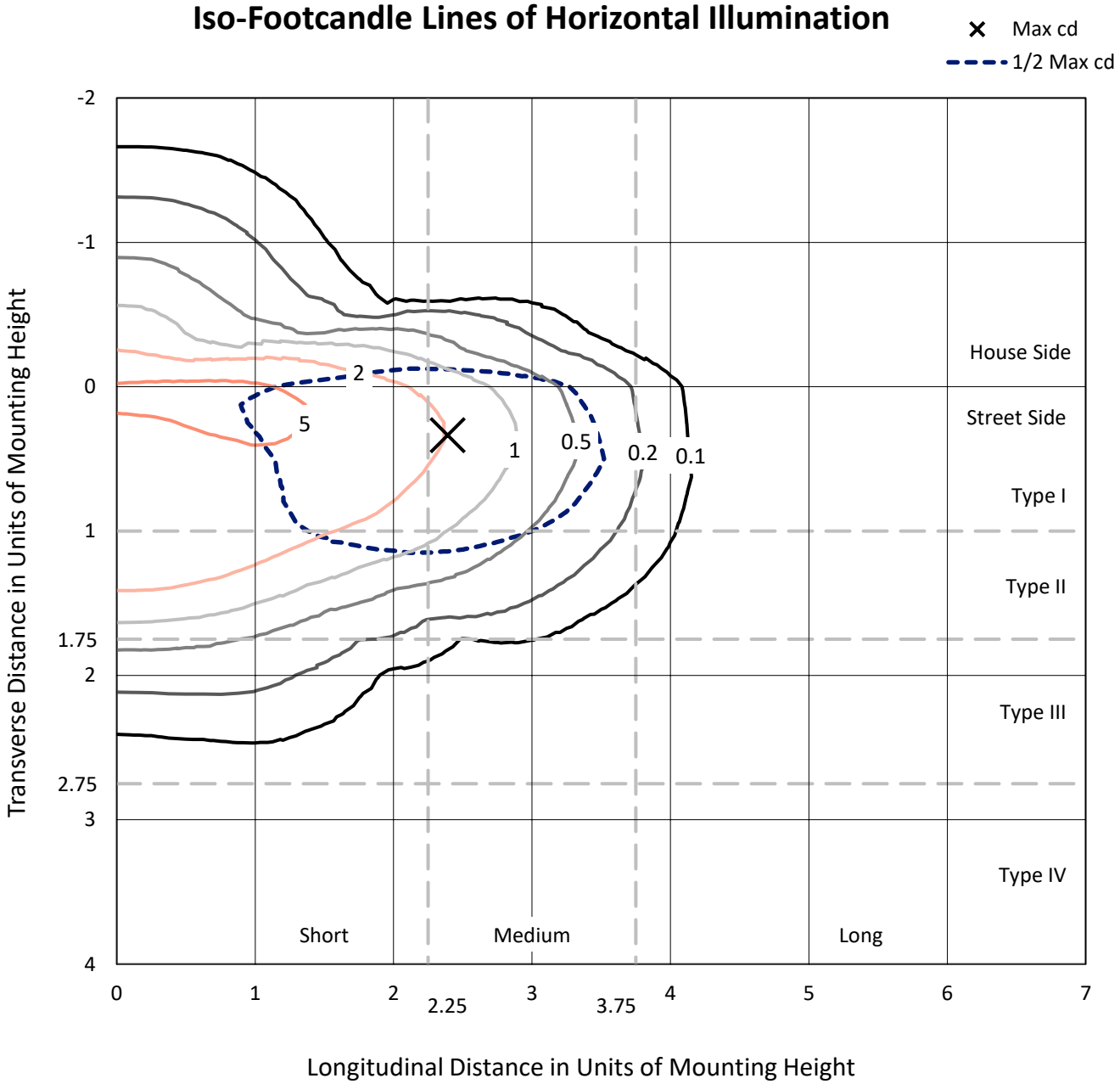


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## Iso-Footcandle Lines of Horizontal Illumination



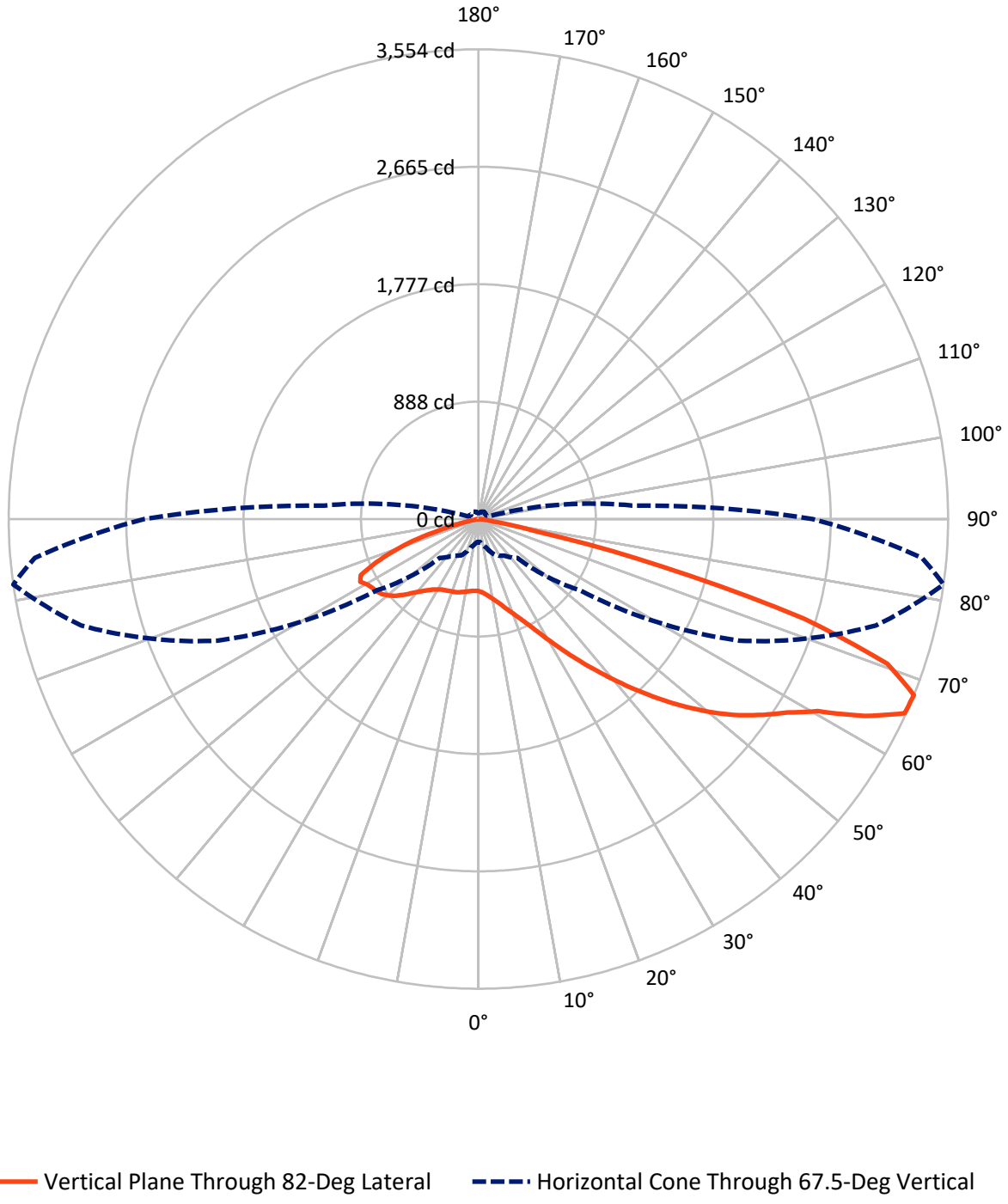

Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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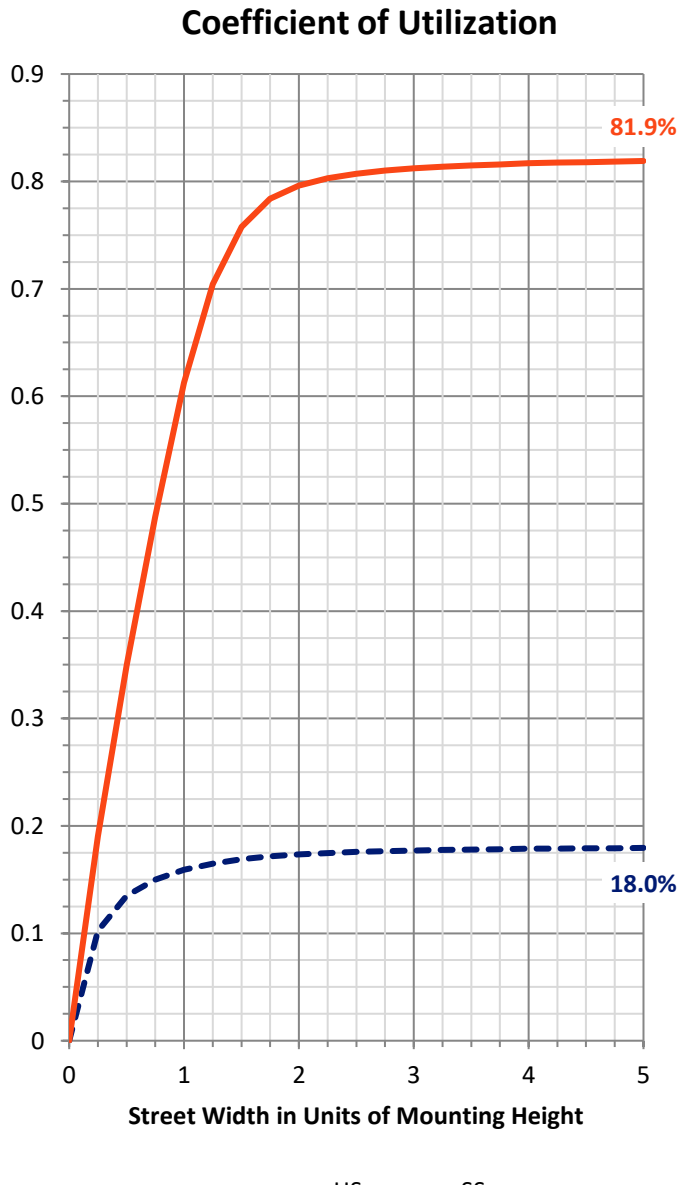
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 596.5 | 0.0 | 596.5 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| **Street Side** | Lumens | 2696.5 | 0.0 | 2696.5 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| **Total** | Lumens | 3293.0 | 0.0 | 3293.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 48.6 | 1.5 |
| 10°-20° | 126.3 | 3.8 |
| 20°-30° | 202.3 | 6.1 |
| 30°-40° | 357.7 | 10.9 |
| 40°-50° | 626.8 | 19.0 |
| 50°-60° | 835.9 | 25.4 |
| 60°-70° | 778.2 | 23.6 |
| 70°-80° | 298.7 | 9.1 |
| 80°-90° | 18.5 | 0.6 |
| 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° | 3293.0 | 100.0 |
| 0°-180° | 3293.0 | 100.0 |



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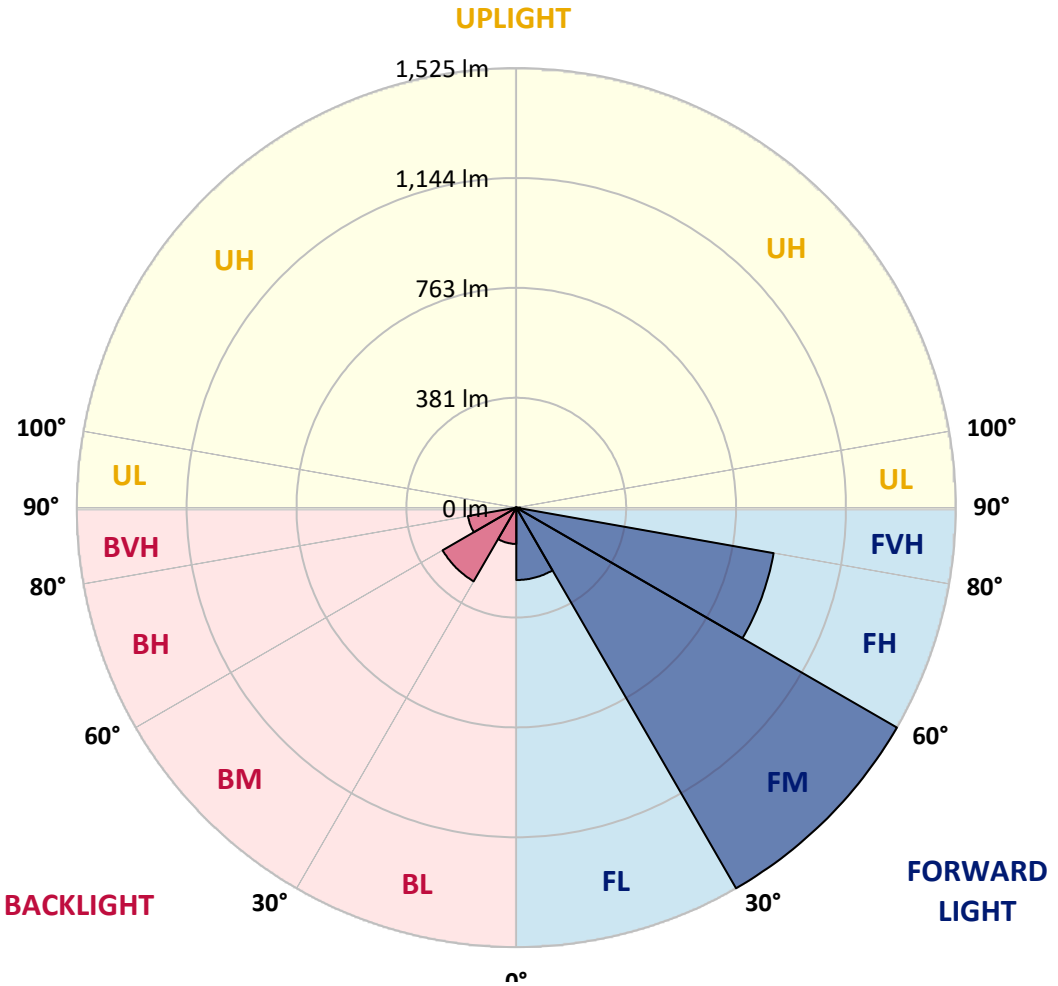
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 251.2 | 7.6 | | | |
| FM | (30°-60°) | 1525.2 | 46.3 | | | |
| FH | (60°-80°) | 906.6 | 27.5 | | | G1/1800 |
| FVH | (80°-90°) | 13.5 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 126.0 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 295.2 | 9.0 | B1/1000 | | |
| BH | (60°-80°) | 170.3 | 5.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 5.1 | 0.2 | | | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | *545.5* | 545.5 |
| 2.5° | 576.6 | 579.9 | 578.0 | 577.1 | 575.4 | 573.0 | 571.1 | 565.2 | 559.1 | *555.0* | 553.6 |
| 5° | 588.2 | 591.5 | 591.3 | 592.2 | 593.4 | 594.1 | 593.7 | 587.0 | 578.3 | *571.4* | 567.4 |
| 7.5° | 578.3 | 582.1 | 585.1 | 589.9 | 598.2 | 606.9 | 611.2 | 609.8 | 600.8 | *591.3* | 586.3 |
| 10° | 550.0 | 554.1 | 561.4 | 572.6 | 590.1 | 609.1 | 625.0 | 632.3 | 626.6 | *616.2* | 609.3 |
| 12.5° | 498.4 | 502.4 | 516.9 | 541.0 | 570.4 | 603.4 | 633.7 | 653.4 | 654.8 | *644.4* | 636.3 |
| 15° | 440.3 | 444.3 | 459.7 | 490.1 | 534.9 | 587.7 | 638.5 | 675.7 | 688.3 | *679.3* | 669.5 |
| 17.5° | 404.2 | 407.8 | 419.4 | 443.8 | 490.5 | 556.4 | 636.8 | 699.4 | 728.1 | *721.0* | 709.4 |
| 20° | 393.3 | 396.4 | 401.9 | 418.9 | 457.8 | 524.0 | 625.9 | 721.7 | 771.0 | *767.0* | 753.9 |
| 22.5° | 404.9 | 407.8 | 409.5 | 417.0 | 441.5 | 502.6 | 612.2 | 744.5 | 820.8 | *821.3* | 805.4 |
| 25° | 431.7 | 434.6 | 432.7 | 437.4 | 448.1 | 496.0 | 606.9 | 771.2 | 883.4 | *888.6* | 870.6 |
| 27.5° | 475.8 | 476.1 | 471.6 | 471.3 | 473.0 | 505.9 | 612.4 | 799.9 | 962.3 | *972.1* | 949.8 |
| 30° | 564.3 | 560.7 | 543.4 | 524.7 | 516.1 | 535.8 | 627.6 | 833.8 | 1055.5 | *1072.8* | 1044.8 |
| 32.5° | 700.6 | 695.4 | 663.6 | 618.8 | 573.8 | 583.9 | 654.8 | 872.5 | 1157.0 | *1188.3* | 1154.1 |
| 35° | 848.5 | 847.1 | 813.9 | 747.3 | 668.6 | 652.5 | 699.2 | 923.2 | 1267.7 | *1317.5* | 1277.0 |
| 37.5° | 986.0 | 985.3 | 966.4 | 887.9 | 792.1 | 748.0 | 770.3 | 989.6 | 1386.3 | *1458.3* | 1410.4 |
| 40° | 1111.7 | 1113.8 | 1094.9 | 1024.7 | 928.2 | 870.6 | 867.0 | 1071.6 | 1518.1 | *1611.7* | 1554.8 |
| 42.5° | 1220.3 | 1222.7 | 1203.5 | 1151.5 | 1062.6 | 1006.2 | 985.8 | 1172.2 | 1646.8 | *1776.5* | 1709.2 |
| 45° | 1294.0 | 1308.7 | 1305.9 | 1264.4 | 1200.6 | 1142.1 | 1128.5 | 1298.3 | 1793.6 | *1951.2* | 1872.3 |
| 47.5° | 1314.9 | 1328.4 | 1349.7 | 1355.4 | 1316.5 | 1258.9 | 1275.1 | 1450.3 | 1942.0 | *2126.2* | 2036.3 |
| 50° | 1263.4 | 1276.0 | 1320.3 | 1379.4 | 1406.4 | 1388.6 | 1417.5 | 1613.1 | 2094.0 | *2300.7* | 2197.3 |
| 52.5° | 1162.0 | 1174.8 | 1230.7 | 1324.1 | 1434.4 | 1490.3 | 1560.5 | 1773.7 | 2241.2 | *2465.9* | 2349.8 |
| 55° | 1015.2 | 1028.7 | 1100.6 | 1206.3 | 1381.0 | 1532.3 | 1679.8 | 1933.9 | 2376.1 | *2614.6* | 2487.3 |
| 57.5° | 815.6 | 825.5 | 900.2 | 1048.2 | 1246.8 | 1490.6 | 1767.7 | 2108.9 | 2503.2 | *2760.6* | 2623.6 |
| 60° | 531.6 | 540.3 | 627.1 | 792.1 | 1024.5 | 1351.2 | 1785.3 | 2304.0 | 2672.0 | *2950.6* | 2807.4 |
| 62.5° | 353.5 | 359.4 | 410.9 | 532.0 | 721.5 | 1083.5 | 1682.6 | 2459.8 | 2919.5 | *3281.1* | 3122.4 |
| 65° | 242.5 | 248.5 | 299.9 | 384.3 | 466.1 | 716.7 | 1387.4 | 2439.2 | 3143.8 | *3543.5* | 3356.0 |
| 67.5° | *173.1* | *178.1* | *221.7* | *301.3* | *337.4* | *416.3* | *940.5* | *2175.5* | *3111.5* | *3553.5* | *3368.5* |
| 70° | 124.0 | 126.8 | 162.9 | 234.7 | 268.1 | 250.1 | 523.0 | 1663.9 | 2724.4 | *3281.3* | 3112.0 |
| 72.5° | 86.8 | 87.7 | 113.1 | 178.8 | 216.0 | 182.6 | 248.9 | 1109.3 | 2060.5 | *2575.5* | 2412.6 |
| 75° | 58.8 | 60.0 | 76.1 | 131.1 | 173.3 | 139.4 | 131.8 | 594.9 | 1209.6 | *1425.6* | 1277.9 |
| 77.5° | 36.0 | 36.5 | 49.1 | 89.6 | 129.7 | 106.2 | 84.9 | 252.0 | 468.0 | *459.5* | 391.7 |
| 80° | 20.4 | 20.4 | 31.3 | 55.7 | 88.4 | 68.5 | 59.5 | 107.2 | 148.2 | *130.2* | 114.8 |
| 82.5° | 11.4 | 11.6 | 22.8 | 34.6 | 58.6 | 40.5 | 32.7 | 49.6 | 64.0 | *56.7* | 49.3 |
| 85° | 4.7 | 5.2 | 14.0 | 16.4 | 28.0 | 20.2 | 13.3 | 20.9 | 23.7 | *21.1* | 15.4 |
| 87.5° | 0.5 | 0.7 | 4.3 | 3.1 | 3.3 | 4.0 | 1.9 | 4.0 | 3.3 | *3.3* | 2.4 |
| 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° | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 | 545.5 |
| 2.5° | 549.1 | 545.5 | 536.5 | 526.1 | 512.3 | 505.7 | 496.7 | 490.5 | 485.3 | 485.8 | 481.1 |
| 5° | 559.8 | 550.8 | 530.6 | 505.5 | 474.2 | 451.9 | 428.2 | 411.8 | 398.5 | 395.7 | 389.3 |
| 7.5° | 574.5 | 560.2 | 524.9 | 479.6 | 426.8 | 386.7 | 350.9 | 327.9 | 311.5 | 306.3 | 301.1 |
| 10° | 593.4 | 572.8 | 517.6 | 447.1 | 371.0 | 320.1 | 281.7 | 263.6 | 252.5 | 248.7 | 245.9 |
| 12.5° | 615.5 | 587.3 | 507.8 | 407.6 | 313.7 | 264.6 | 240.2 | 231.2 | 227.6 | 226.4 | 225.7 |
| 15° | 643.2 | 605.3 | 493.1 | 360.6 | 265.1 | 230.7 | 220.3 | 219.1 | 219.5 | 219.1 | 218.8 |
| 17.5° | 676.2 | 625.0 | 469.2 | 312.2 | 232.3 | 213.4 | 209.6 | 210.5 | 211.7 | 211.5 | 211.0 |
| 20° | 712.2 | 644.4 | 438.6 | 269.3 | 210.1 | 201.1 | 198.9 | 199.9 | 200.8 | 200.3 | 200.1 |
| 22.5° | 753.2 | 665.3 | 404.7 | 235.9 | 195.1 | 189.7 | 187.3 | 187.5 | 187.5 | 186.6 | 186.1 |
| 25° | 802.3 | 688.3 | 369.1 | 212.2 | 183.7 | 179.5 | 176.6 | 175.7 | 174.3 | 171.4 | 170.9 |
| 27.5° | 860.9 | 712.7 | 335.0 | 195.6 | 174.7 | 170.7 | 167.4 | 165.0 | 161.5 | 156.7 | 156.2 |
| 30° | 926.8 | 742.3 | 306.1 | 185.2 | 167.6 | 163.6 | 159.8 | 156.2 | 151.0 | 145.1 | 144.6 |
| 32.5° | 1004.3 | 774.1 | 285.0 | 178.3 | 161.2 | 157.0 | 152.4 | 148.2 | 142.5 | 136.6 | 136.8 |
| 35° | 1096.8 | 812.5 | 272.7 | 173.5 | 156.2 | 150.6 | 145.6 | 140.8 | 136.6 | 131.3 | 130.9 |
| 37.5° | 1197.1 | 853.3 | 268.9 | 171.2 | 152.9 | 144.1 | 138.5 | 135.1 | 134.7 | 131.6 | 131.3 |
| 40° | 1306.8 | 901.6 | 271.7 | 169.8 | 149.4 | 138.0 | 131.8 | 131.1 | 132.3 | 126.8 | 127.1 |
| 42.5° | 1423.0 | 959.0 | 276.4 | 168.1 | 144.4 | 131.8 | 125.9 | 125.9 | 124.9 | 117.4 | 117.4 |
| 45° | 1548.7 | 1025.2 | 281.2 | 164.1 | 138.5 | 125.7 | 121.2 | 119.5 | 115.5 | 108.1 | 107.9 |
| 47.5° | 1675.3 | 1092.5 | 284.7 | 156.7 | 131.3 | 120.4 | 116.4 | 112.6 | 106.7 | 100.1 | 99.8 |
| 50° | 1795.5 | 1153.0 | 280.9 | 145.8 | 123.3 | 115.5 | 111.2 | 106.0 | 99.6 | 95.1 | 94.4 |
| 52.5° | 1902.9 | 1205.4 | 264.8 | 133.0 | 114.8 | 110.2 | 106.5 | 101.0 | 95.8 | 91.0 | 90.6 |
| 55° | 1996.3 | 1247.8 | 236.4 | 120.9 | 107.2 | 105.7 | 101.9 | 95.1 | 88.0 | 83.9 | 83.5 |
| 57.5° | 2085.9 | 1280.0 | 200.8 | 111.0 | 100.3 | 100.8 | 95.1 | 88.9 | 82.3 | 78.0 | 77.5 |
| 60° | 2205.2 | 1323.2 | 164.8 | 101.7 | 92.9 | 94.4 | 88.2 | 83.7 | 75.4 | 69.9 | 69.2 |
| 62.5° | 2395.8 | 1390.3 | 130.9 | 90.3 | 84.4 | 84.9 | 82.3 | 76.8 | 66.9 | 60.5 | 60.0 |
| 65° | 2547.0 | 1365.6 | 103.1 | 78.0 | 74.7 | 75.4 | 75.4 | 69.5 | 58.8 | 51.4 | 50.7 |
| 67.5° | *2530.0* | *1169.3* | *82.3* | *65.9* | *65.4* | *65.9* | *67.6* | *62.6* | *52.2* | *46.2* | *45.3* |
| 70° | 2330.6 | 930.1 | 65.9 | 54.8 | 56.9 | 55.7 | 60.5 | 57.1 | 46.9 | 41.0 | 40.3 |
| 72.5° | 1901.7 | 670.0 | 50.3 | 45.3 | 43.6 | 45.5 | 54.5 | 51.4 | 39.1 | 32.5 | 31.8 |
| 75° | 1111.2 | 357.5 | 37.5 | 35.8 | 31.5 | 37.9 | 48.4 | 43.9 | 29.9 | 23.9 | 23.2 |
| 77.5° | 361.8 | 124.7 | 27.5 | 26.3 | 23.5 | 30.6 | 41.3 | 37.0 | 24.4 | 19.0 | 18.3 |
| 80° | 97.0 | 37.7 | 18.7 | 17.3 | 15.2 | 22.8 | 32.7 | 29.4 | 17.5 | 12.3 | 12.1 |
| 82.5° | 38.9 | 15.9 | 10.9 | 9.7 | 8.3 | 15.6 | 25.8 | 23.7 | 13.0 | 7.8 | 7.8 |
| 85° | 12.6 | 5.2 | 4.0 | 3.1 | 3.8 | 9.7 | 15.4 | 16.1 | 9.2 | 4.0 | 3.1 |
| 87.5° | 1.7 | 0.7 | 0.7 | 0.9 | 0.7 | 1.7 | 4.7 | 4.5 | 2.6 | 0.5 | 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)