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: P1201220

Luminaire Tested: GWC-SB1A-827-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201220 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1A-827-U-SL4-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 2738 lumens |
| Efficiency: | N/A |
| Efficacy: | 88.6 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B0 - 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 |

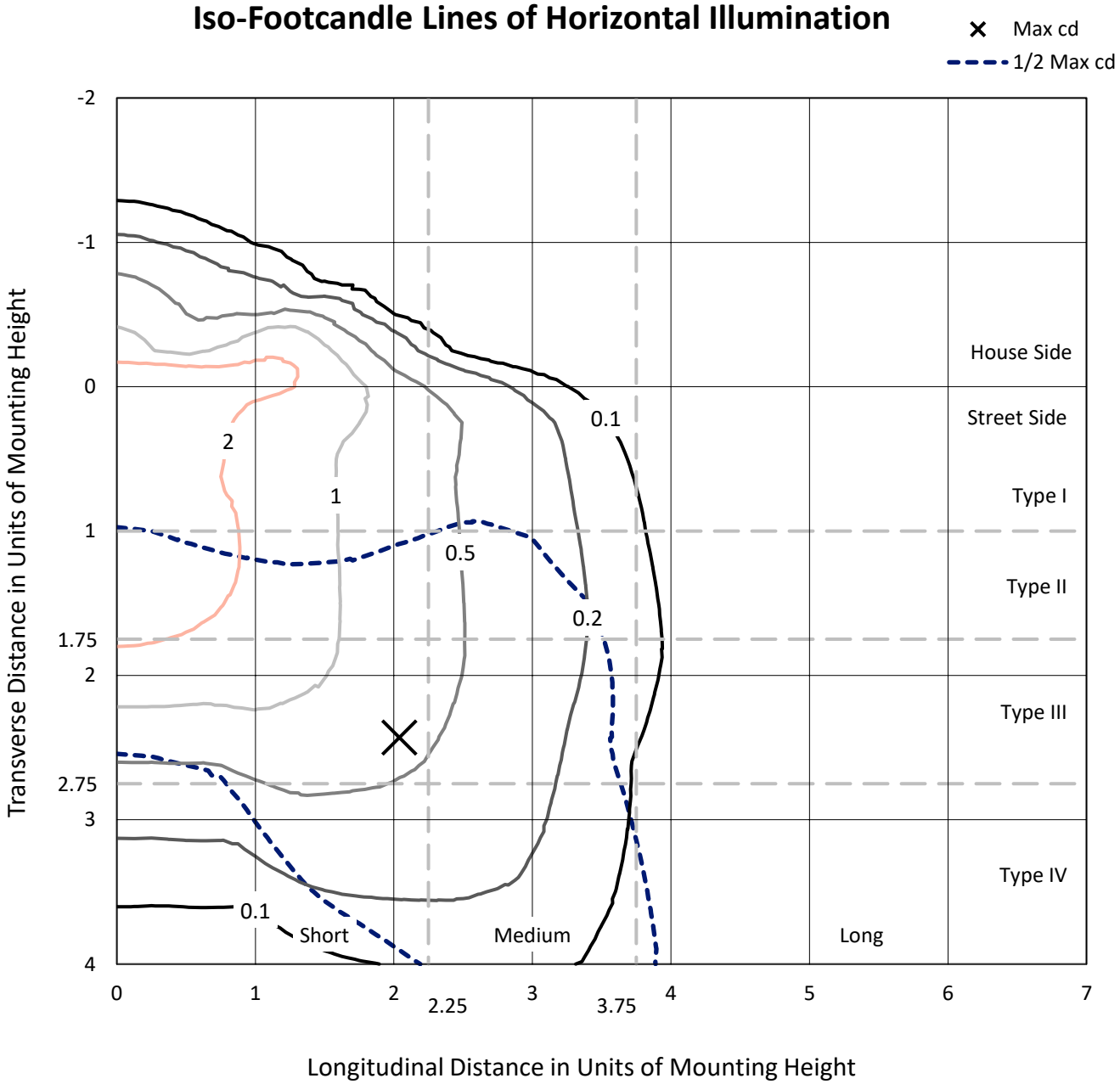


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## Iso-Footcandle Lines of Horizontal Illumination



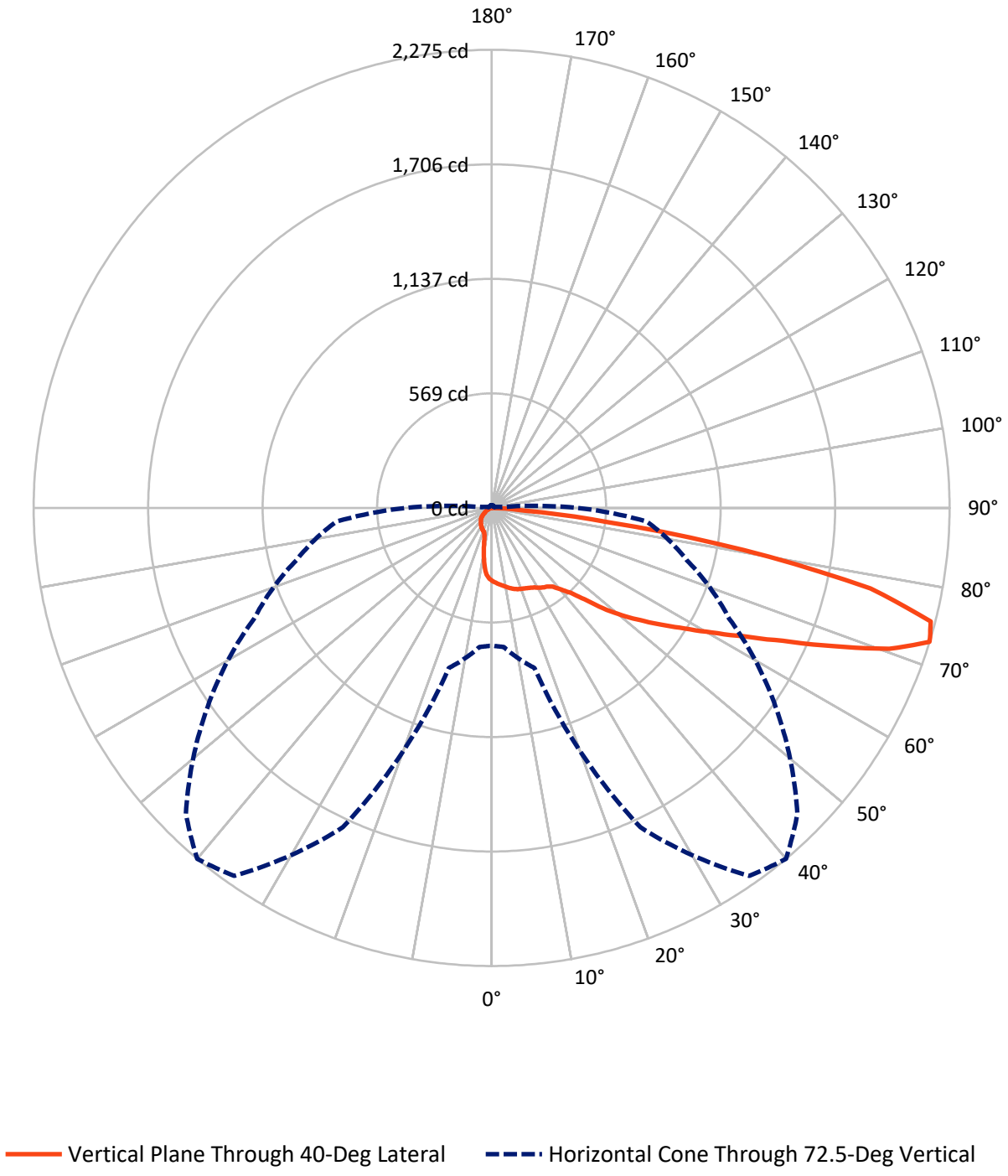

Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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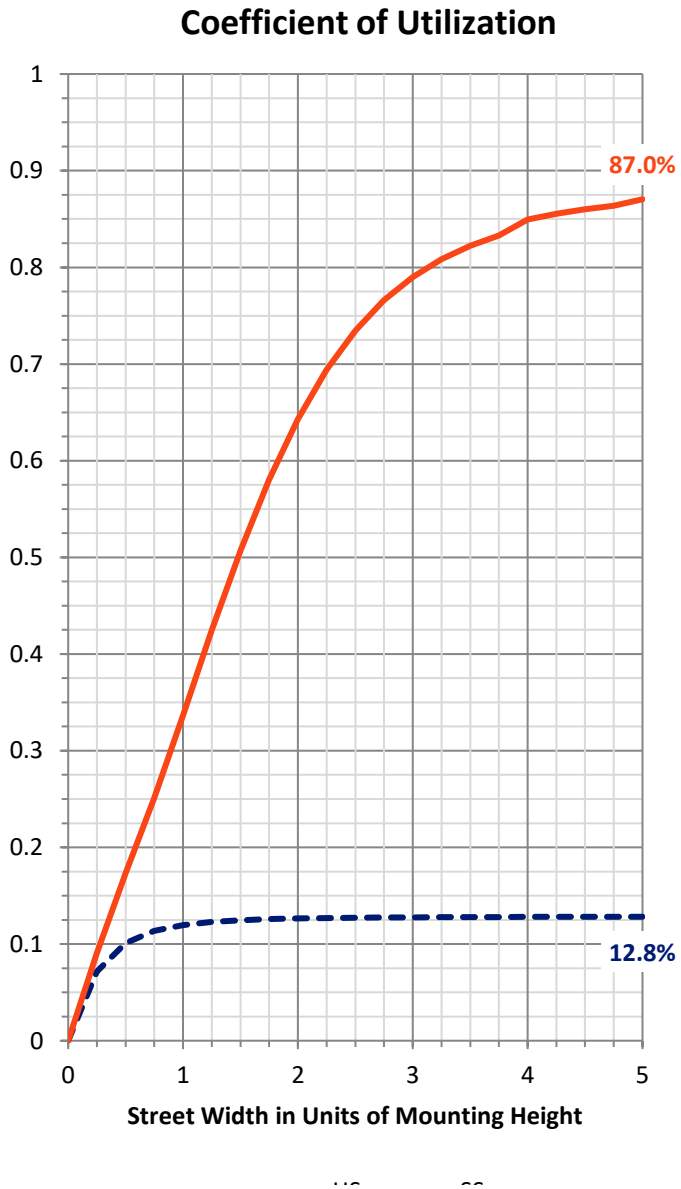
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 353.6 | 0.0 | 353.6 |
| | % Fixture | 12.9 | 0.0 | 12.9 |
| **Street Side** | Lumens | 2384.4 | 0.0 | 2384.4 |
| | % Fixture | 87.1 | 0.0 | 87.1 |
| **Total** | Lumens | 2738.0 | 0.0 | 2738.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 33.1 | 1.2 |
| 10°-20° | 89.9 | 3.3 |
| 20°-30° | 145.5 | 5.3 |
| 30°-40° | 214.8 | 7.8 |
| 40°-50° | 361.5 | 13.2 |
| 50°-60° | 561.3 | 20.5 |
| 60°-70° | 702.4 | 25.7 |
| 70°-80° | 575.0 | 21.0 |
| 80°-90° | 54.5 | 2.0 |
| 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° | 2738.0 | 100.0 |
| 0°-180° | 2738.0 | 100.0 |



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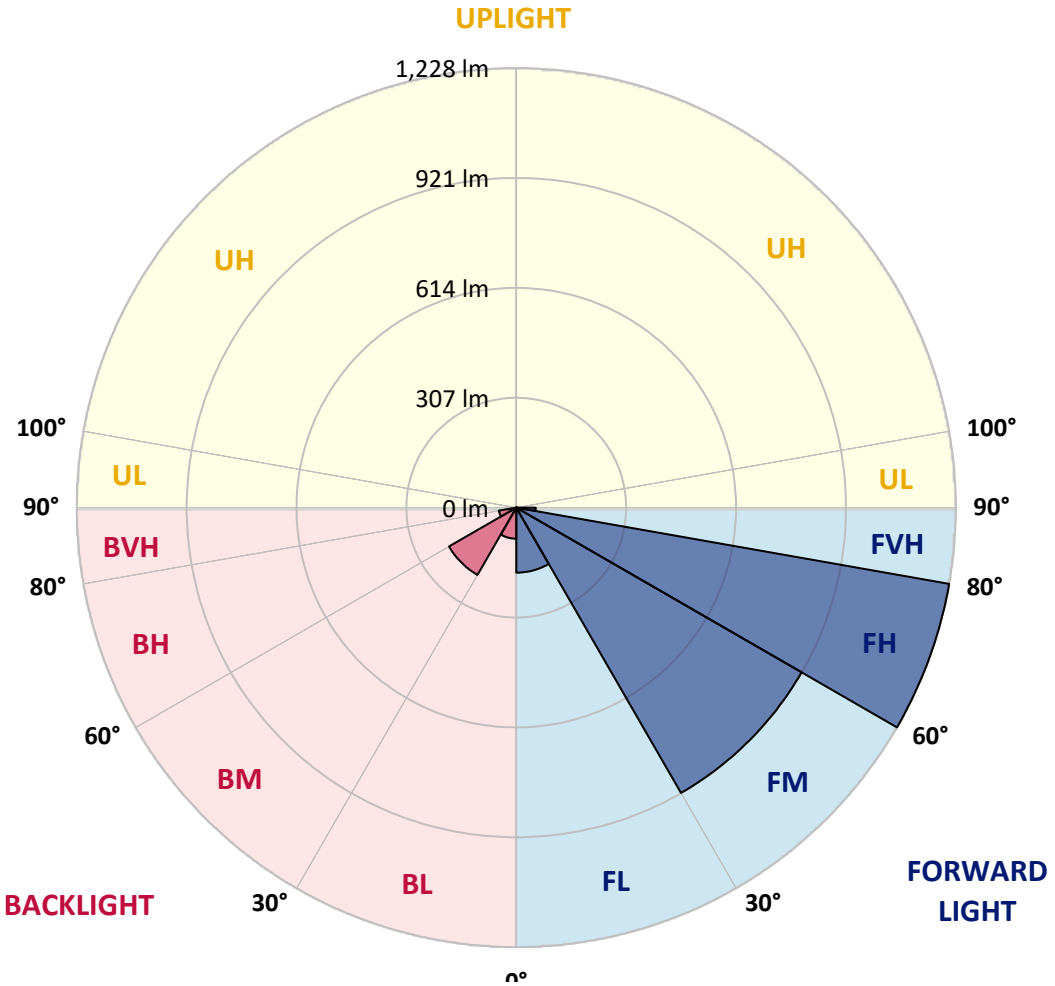
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 181.7 | 6.6 | | | |
| FM | (30°-60°) | 920.5 | 33.6 | | | |
| FH | (60°-80°) | 1228.1 | 44.9 | | | G1/1800 |
| FVH | (80°-90°) | 54.1 | 2.0 | | | G1/100 |
| BL | (0°-30°) | 86.8 | 3.2 | B0/110 | | |
| BM | (30°-60°) | 217.1 | 7.9 | B0/220 | | |
| BH | (60°-80°) | 49.3 | 1.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.4 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B0-U0-G1**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 |
| 2.5° | 373.5 | 374.9 | 374.1 | 372.4 | 372.0 | 371.2 | 370.2 | 369.8 | 368.3 | 367.1 | 365.6 |
| 5° | 384.0 | 385.4 | 384.4 | 382.1 | 381.1 | 380.1 | 378.6 | 377.4 | 374.5 | 371.8 | 368.5 |
| 7.5° | 395.5 | 396.8 | 395.5 | 392.2 | 390.6 | 389.3 | 387.3 | 385.4 | 382.1 | 378.2 | 374.1 |
| 10° | 408.3 | 409.3 | 407.5 | 403.2 | 400.5 | 398.6 | 396.8 | 394.7 | 391.6 | 387.3 | 382.3 |
| 12.5° | 420.3 | 421.5 | 418.6 | 413.5 | 410.4 | 408.5 | 406.5 | 404.8 | 401.7 | 397.6 | 392.4 |
| 15° | 431.2 | 433.1 | 428.1 | 422.5 | 419.0 | 417.6 | 415.5 | 414.5 | 412.4 | 409.6 | 404.8 |
| 17.5° | 439.5 | 440.7 | 435.5 | 428.9 | 425.0 | 424.0 | 422.5 | 423.2 | 422.7 | 421.3 | 418.2 |
| 20° | 446.5 | 447.3 | 440.5 | 432.4 | 428.1 | 428.3 | 427.9 | 430.0 | 430.8 | 430.8 | 430.6 |
| 22.5° | 455.1 | 455.3 | 446.7 | 436.6 | 431.4 | 432.9 | 433.5 | 435.7 | 437.4 | 439.0 | 442.8 |
| 25° | 466.5 | 466.1 | 455.7 | 441.9 | 437.4 | 439.5 | 440.9 | 441.7 | 443.6 | 446.3 | 454.7 |
| 27.5° | 483.4 | 482.1 | 468.9 | 450.6 | 445.2 | 447.1 | 449.8 | 449.4 | 448.5 | 450.6 | 464.8 |
| 30° | 504.8 | 503.2 | 485.6 | 462.8 | 457.8 | 459.5 | 460.3 | 456.6 | 450.6 | 452.4 | 473.7 |
| 32.5° | 538.9 | 536.0 | 511.6 | 476.4 | 468.7 | 470.6 | 469.6 | 461.9 | 453.1 | 454.9 | 482.6 |
| 35° | 598.0 | 591.0 | 556.6 | 504.8 | 481.1 | 479.0 | 476.6 | 469.1 | 458.2 | 456.4 | 490.0 |
| 37.5° | 723.8 | 711.5 | 652.7 | 560.3 | 509.2 | 495.8 | 488.1 | 480.7 | 463.8 | 456.4 | 498.4 |
| 40° | 865.7 | 853.1 | 785.3 | 653.1 | 555.8 | 533.1 | 514.9 | 494.3 | 469.6 | 459.0 | 511.6 |
| 42.5° | 1013.8 | 1000.0 | 930.3 | 768.2 | 622.4 | 575.8 | 541.9 | 505.2 | 479.0 | 467.3 | 529.2 |
| 45° | 1179.2 | 1161.8 | 1070.7 | 888.2 | 719.1 | 646.7 | 585.5 | 527.7 | 495.5 | 481.9 | 553.1 |
| 47.5° | 1353.6 | 1331.1 | 1210.7 | 1004.7 | 823.2 | 744.9 | 665.1 | 567.9 | 519.9 | 503.8 | 585.5 |
| 50° | 1508.3 | 1486.0 | 1355.3 | 1126.6 | 920.6 | 838.3 | 755.8 | 623.6 | 556.4 | 534.7 | 629.0 |
| 52.5° | 1619.4 | 1602.5 | 1486.8 | 1252.4 | 1021.8 | 925.9 | 838.1 | 688.4 | 602.6 | 574.3 | 680.3 |
| 55° | 1693.9 | 1678.4 | 1580.1 | 1371.6 | 1139.6 | 1022.4 | 919.1 | 758.7 | 658.3 | 621.8 | 737.0 |
| 57.5° | 1739.0 | 1730.2 | 1647.5 | 1478.0 | 1256.3 | 1128.0 | 1011.9 | 836.0 | 723.8 | 677.6 | 800.3 |
| 60° | 1755.1 | 1747.9 | 1689.3 | 1579.4 | 1397.3 | 1254.8 | 1121.0 | 923.2 | 803.4 | 741.2 | 865.3 |
| 62.5° | 1712.2 | 1713.7 | 1719.5 | 1699.7 | 1546.0 | 1403.3 | 1251.8 | 1028.0 | 891.7 | 813.1 | 926.3 |
| 65° | 1510.3 | 1522.3 | 1632.0 | 1832.9 | 1743.0 | 1589.3 | 1418.2 | 1155.9 | 992.7 | 895.0 | 974.8 |
| 67.5° | 1250.5 | 1267.8 | 1404.4 | 1910.8 | 1952.9 | 1830.8 | 1650.0 | 1318.8 | 1113.2 | 978.3 | 993.2 |
| 70° | 957.3 | 975.8 | 1141.2 | 1894.5 | 2149.4 | 2094.8 | 1936.6 | 1526.0 | 1237.9 | 1036.0 | 946.3 |
| 72.5° | 683.2 | 692.7 | 823.0 | 1749.6 | 2230.1 | 2274.6 | 2147.8 | 1722.3 | 1301.7 | 1004.1 | 771.9 |
| 75° | 480.1 | 478.4 | 564.8 | 1408.9 | 2104.5 | 2252.7 | 2073.7 | 1616.1 | 1177.9 | 797.7 | 476.0 |
| 77.5° | 209.1 | 209.5 | 282.1 | 855.6 | 1679.7 | 1924.0 | 1723.8 | 1012.3 | 821.2 | 422.7 | 200.9 |
| 80° | 54.2 | 55.9 | 103.5 | 340.7 | 1011.3 | 1269.9 | 1051.3 | 445.0 | 379.4 | 103.1 | 38.4 |
| 82.5° | 19.2 | 20.4 | 47.6 | 107.0 | 373.1 | 582.4 | 468.1 | 142.3 | 99.0 | 29.5 | 10.3 |
| 85° | 5.6 | 6.6 | 25.6 | 32.8 | 77.1 | 164.6 | 113.6 | 27.6 | 24.3 | 15.3 | 2.7 |
| 87.5° | 0.0 | 0.8 | 5.2 | 4.5 | 4.5 | 3.1 | 5.8 | 3.1 | 3.9 | 1.9 | 0.8 |
| 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° | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 | 362.5 |
| 2.5° | 364.4 | 362.9 | 359.9 | 356.6 | 353.5 | 350.6 | 349.7 | 346.7 | 345.2 | 345.4 | 345.2 |
| 5° | 366.2 | 363.6 | 357.6 | 350.4 | 342.9 | 334.5 | 327.5 | 317.6 | 309.1 | 308.1 | 307.5 |
| 7.5° | 371.2 | 366.9 | 357.2 | 343.1 | 324.6 | 301.3 | 279.6 | 258.2 | 246.0 | 239.4 | 239.0 |
| 10° | 378.8 | 373.1 | 358.2 | 331.4 | 292.0 | 250.4 | 217.6 | 190.5 | 176.7 | 170.3 | 169.1 |
| 12.5° | 387.9 | 381.5 | 359.9 | 311.4 | 249.9 | 195.3 | 159.8 | 143.3 | 140.4 | 140.0 | 139.8 |
| 15° | 400.7 | 393.7 | 361.7 | 284.4 | 204.4 | 148.7 | 132.4 | 132.6 | 134.9 | 136.1 | 135.9 |
| 17.5° | 414.9 | 407.9 | 359.0 | 251.4 | 159.4 | 127.0 | 126.6 | 128.5 | 131.8 | 133.0 | 132.8 |
| 20° | 429.3 | 422.7 | 349.5 | 212.6 | 128.9 | 121.1 | 122.7 | 124.8 | 128.1 | 129.7 | 129.7 |
| 22.5° | 444.2 | 438.4 | 334.5 | 171.4 | 116.3 | 116.7 | 118.8 | 120.8 | 124.6 | 126.4 | 126.4 |
| 25° | 460.1 | 455.1 | 314.5 | 137.3 | 110.9 | 112.2 | 114.9 | 117.3 | 121.3 | 123.5 | 123.5 |
| 27.5° | 476.2 | 472.4 | 291.8 | 114.7 | 106.0 | 107.4 | 110.5 | 113.8 | 117.8 | 120.4 | 120.6 |
| 30° | 493.7 | 491.6 | 273.7 | 106.2 | 101.3 | 102.5 | 106.0 | 109.7 | 114.0 | 117.3 | 117.8 |
| 32.5° | 511.6 | 511.2 | 264.8 | 112.4 | 96.9 | 97.7 | 100.8 | 104.6 | 109.9 | 114.0 | 114.5 |
| 35° | 529.4 | 530.2 | 259.6 | 129.9 | 95.5 | 93.2 | 95.3 | 98.6 | 105.0 | 110.1 | 110.9 |
| 37.5° | 552.0 | 554.1 | 259.4 | 148.9 | 99.0 | 88.7 | 90.1 | 92.4 | 98.0 | 103.9 | 105.0 |
| 40° | 585.9 | 596.8 | 272.6 | 165.2 | 105.2 | 84.5 | 85.0 | 85.4 | 88.3 | 93.2 | 94.9 |
| 42.5° | 630.8 | 662.8 | 320.3 | 176.3 | 107.6 | 80.8 | 79.4 | 77.1 | 76.7 | 79.4 | 80.8 |
| 45° | 686.7 | 742.6 | 404.0 | 182.5 | 105.2 | 76.7 | 72.8 | 66.8 | 64.5 | 66.4 | 66.4 |
| 47.5° | 752.5 | 830.0 | 503.2 | 183.9 | 101.0 | 71.6 | 64.5 | 56.7 | 54.9 | 55.5 | 55.3 |
| 50° | 816.6 | 895.6 | 590.4 | 172.0 | 94.2 | 65.0 | 55.5 | 48.9 | 47.6 | 47.8 | 47.8 |
| 52.5° | 873.3 | 918.1 | 615.2 | 143.7 | 85.2 | 56.9 | 47.6 | 43.1 | 42.3 | 42.3 | 42.1 |
| 55° | 910.9 | 893.8 | 548.5 | 109.9 | 73.8 | 48.7 | 40.8 | 38.6 | 38.2 | 37.9 | 37.5 |
| 57.5° | 918.7 | 814.6 | 414.3 | 79.4 | 57.7 | 41.0 | 36.3 | 35.1 | 34.2 | 33.4 | 33.0 |
| 60° | 890.7 | 682.6 | 263.8 | 55.5 | 43.3 | 35.1 | 32.2 | 31.3 | 29.7 | 28.0 | 27.4 |
| 62.5° | 830.0 | 515.5 | 146.0 | 38.6 | 34.9 | 29.9 | 28.5 | 27.4 | 24.3 | 21.7 | 20.8 |
| 65° | 748.6 | 342.7 | 64.5 | 30.1 | 28.5 | 25.2 | 24.3 | 22.9 | 19.2 | 16.1 | 15.5 |
| 67.5° | 666.7 | 197.4 | 29.1 | 24.1 | 22.9 | 20.6 | 20.0 | 19.0 | 16.3 | 13.4 | 13.0 |
| 70° | 573.3 | 100.0 | 20.0 | 19.2 | 17.7 | 15.7 | 16.3 | 16.1 | 13.4 | 10.9 | 10.5 |
| 72.5° | *426.9* | *49.7* | *15.1* | *14.4* | *12.8* | *11.1* | *13.4* | *13.2* | *10.5* | *8.2* | *7.8* |
| 75° | 241.7 | 24.5 | 10.9 | 10.1 | 7.6 | 8.2 | 10.7 | 10.1 | 7.2 | 5.4 | 4.9 |
| 77.5° | 95.9 | 12.6 | 7.2 | 6.2 | 4.5 | 5.6 | 7.8 | 6.8 | 3.7 | 2.3 | 2.1 |
| 80° | 22.1 | 6.2 | 3.7 | 2.7 | 2.1 | 3.3 | 4.1 | 2.5 | 1.0 | 0.2 | 0.0 |
| 82.5° | 6.2 | 2.7 | 1.2 | 1.0 | 1.0 | 1.2 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 85° | 2.1 | 1.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.8 | 0.4 | 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)