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: P1203470

Luminaire Tested: GWC-SB2C-827-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1203470 |
| | 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-SB2C-827-U-T2-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9508 lumens |
| Efficiency: | N/A |
| Efficacy: | 94.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 100.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.857 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.472 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

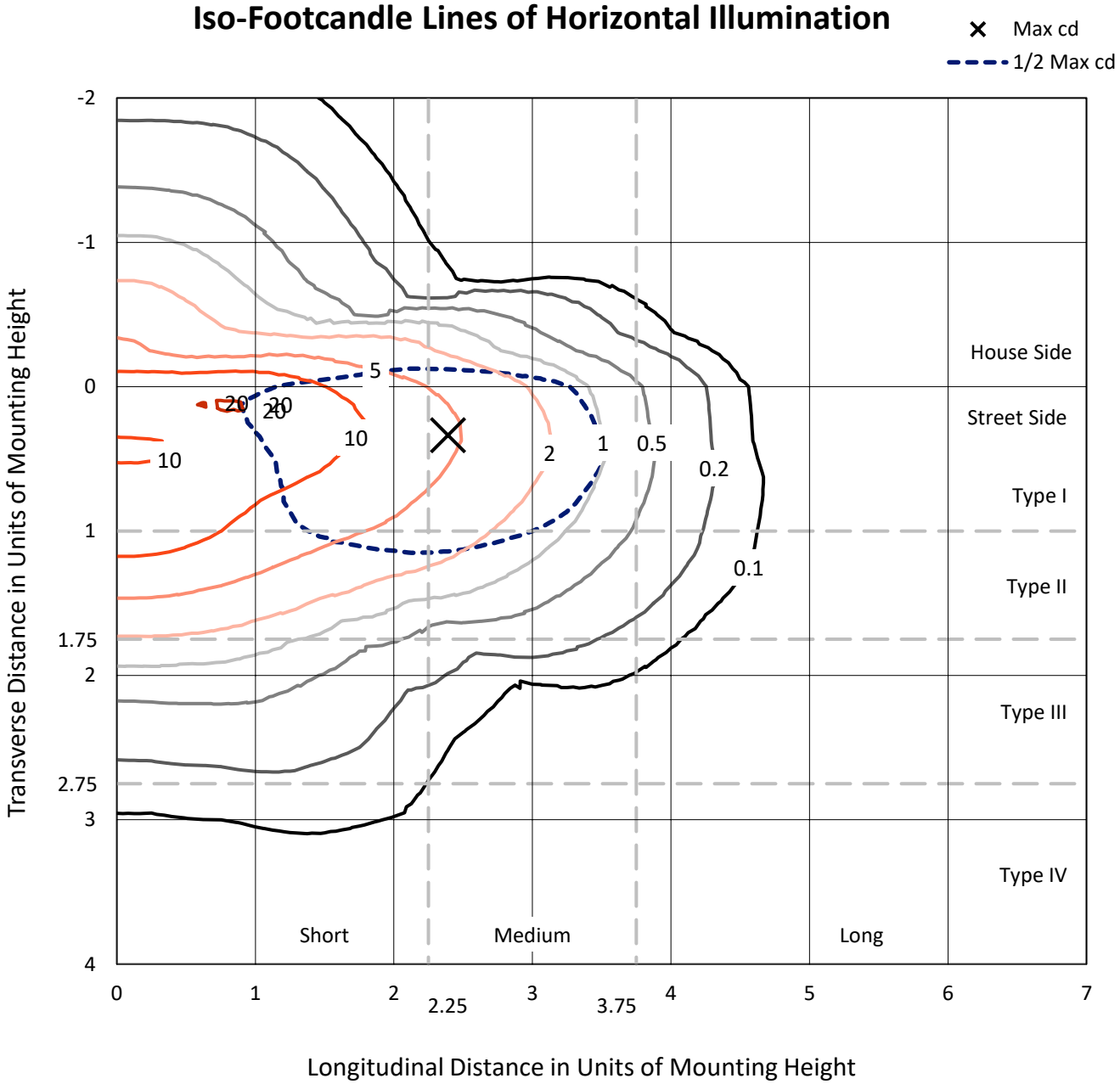


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## Iso-Footcandle Lines of Horizontal Illumination



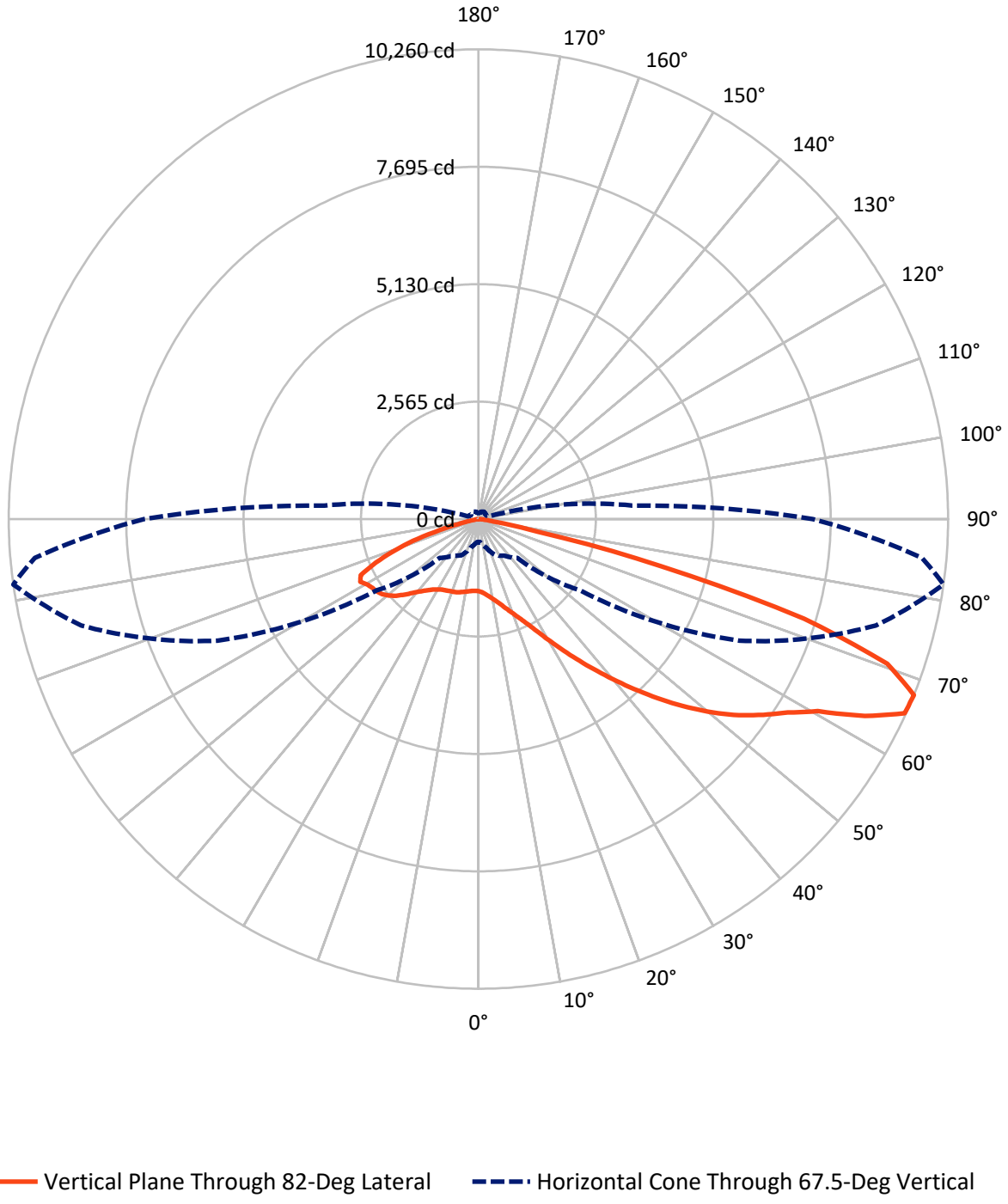

Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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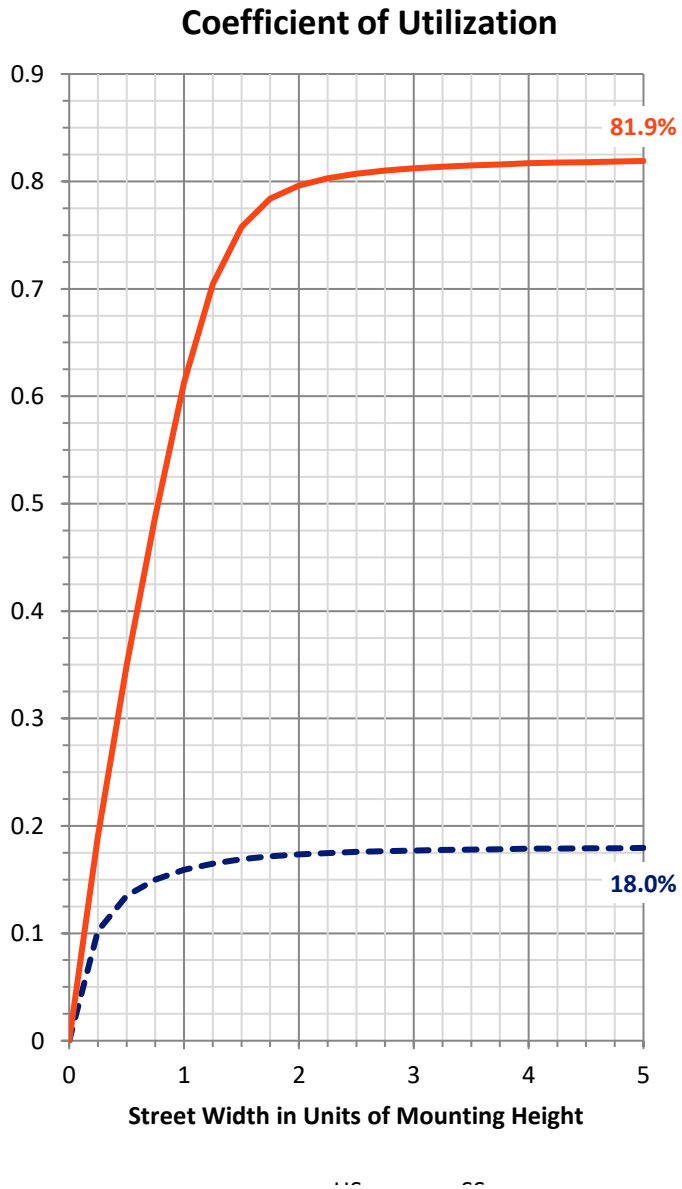
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1722.3 | 0.0 | 1722.3 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| **Street Side** | Lumens | 7785.7 | 0.0 | 7785.7 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| **Total** | Lumens | 9508.0 | 0.0 | 9508.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 140.3 | 1.5 |
| 10°-20° | 364.7 | 3.8 |
| 20°-30° | 584.1 | 6.1 |
| 30°-40° | 1032.8 | 10.9 |
| 40°-50° | 1809.7 | 19.0 |
| 50°-60° | 2413.6 | 25.4 |
| 60°-70° | 2246.9 | 23.6 |
| 70°-80° | 862.4 | 9.1 |
| 80°-90° | 53.6 | 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° | 9508.0 | 100.0 |
| 0°-180° | 9508.0 | 100.0 |



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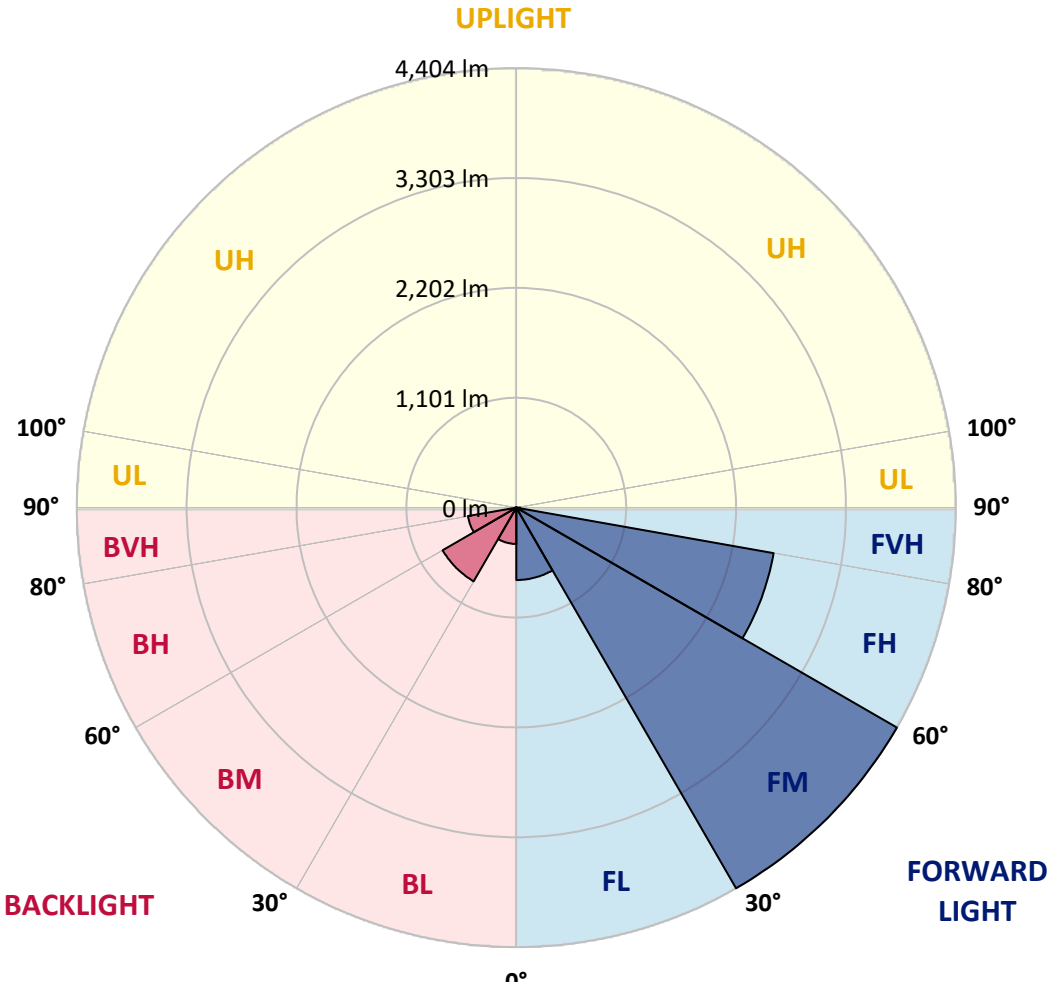
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 725.4 | 7.6 | | | |
| FM | (30°-60°) | 4403.7 | 46.3 | | | |
| FH | (60°-80°) | 2617.7 | 27.5 | | | G2/5000 |
| FVH | (80°-90°) | 38.9 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 363.7 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 852.4 | 9.0 | B1/1000 | | |
| BH | (60°-80°) | 491.6 | 5.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.6 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | *1575.2* | 1575.2 |
| 2.5° | 1664.8 | 1674.4 | 1668.9 | 1666.2 | 1661.4 | 1654.6 | 1649.1 | 1632.0 | 1614.2 | *1602.5* | 1598.4 |
| 5° | 1698.4 | 1708.0 | 1707.3 | 1710.0 | 1713.4 | 1715.5 | 1714.1 | 1695.0 | 1669.6 | *1649.8* | 1638.1 |
| 7.5° | 1669.6 | 1680.6 | 1689.5 | 1703.2 | 1727.1 | 1752.5 | 1764.8 | 1760.7 | 1734.7 | *1707.3* | 1692.9 |
| 10° | 1588.2 | 1599.8 | 1621.0 | 1653.2 | 1703.8 | 1758.6 | 1804.5 | 1825.7 | 1809.3 | *1779.2* | 1759.3 |
| 12.5° | 1438.9 | 1450.6 | 1492.3 | 1562.1 | 1647.0 | 1742.2 | 1829.8 | 1886.6 | 1890.7 | *1860.6* | 1837.3 |
| 15° | 1271.2 | 1282.9 | 1327.3 | 1415.0 | 1544.3 | 1697.0 | 1843.5 | 1951.0 | 1987.3 | *1961.2* | 1933.2 |
| 17.5° | 1167.2 | 1177.4 | 1211.0 | 1281.5 | 1416.3 | 1606.6 | 1838.7 | 2019.4 | 2102.3 | *2081.7* | 2048.2 |
| 20° | 1135.7 | 1144.6 | 1160.3 | 1209.6 | 1321.9 | 1512.9 | 1807.2 | 2083.8 | 2226.2 | *2214.5* | 2176.9 |
| 22.5° | 1169.2 | 1177.4 | 1182.2 | 1204.1 | 1274.6 | 1451.2 | 1767.5 | 2149.5 | 2369.9 | *2371.3* | 2325.4 |
| 25° | 1246.6 | 1254.8 | 1249.3 | 1263.0 | 1293.8 | 1432.1 | 1752.5 | 2226.8 | 2550.6 | *2565.7* | 2513.7 |
| 27.5° | 1373.9 | 1374.6 | 1361.6 | 1360.9 | 1365.7 | 1460.8 | 1768.2 | 2309.7 | 2778.6 | *2806.7* | 2742.3 |
| 30° | 1629.2 | 1619.0 | 1569.0 | 1514.9 | 1490.3 | 1547.1 | 1812.0 | 2407.6 | 3047.6 | *3097.6* | 3016.8 |
| 32.5° | 2022.9 | 2007.8 | 1916.1 | 1786.7 | 1656.6 | 1686.1 | 1890.7 | 2519.2 | 3340.6 | *3431.0* | 3332.4 |
| 35° | 2450.0 | 2445.9 | 2350.1 | 2157.7 | 1930.4 | 1883.9 | 2018.7 | 2665.6 | 3660.3 | *3804.1* | 3687.0 |
| 37.5° | 2847.1 | 2845.0 | 2790.2 | 2563.6 | 2287.1 | 2159.8 | 2224.1 | 2857.3 | 4002.6 | *4210.7* | 4072.4 |
| 40° | 3209.9 | 3216.0 | 3161.3 | 2958.6 | 2680.0 | 2513.7 | 2503.4 | 3094.2 | 4383.2 | *4653.6* | 4489.3 |
| 42.5° | 3523.4 | 3530.2 | 3474.8 | 3324.9 | 3068.2 | 2905.2 | 2846.4 | 3384.4 | 4754.9 | *5129.3* | 4934.9 |
| 45° | 3736.3 | 3778.7 | 3770.5 | 3650.7 | 3466.6 | 3297.5 | 3258.5 | 3748.6 | 5178.6 | *5633.9* | 5405.9 |
| 47.5° | 3796.5 | 3835.5 | 3897.2 | 3913.6 | 3801.3 | 3635.0 | 3681.5 | 4187.4 | 5607.2 | *6139.1* | 5879.6 |
| 50° | 3648.0 | 3684.3 | 3812.3 | 3982.7 | 4060.8 | 4009.4 | 4092.9 | 4657.7 | 6046.0 | *6642.9* | 6344.4 |
| 52.5° | 3355.0 | 3392.0 | 3553.5 | 3823.2 | 4141.5 | 4303.1 | 4505.7 | 5121.1 | 6471.1 | *7120.0* | 6784.6 |
| 55° | 2931.3 | 2970.3 | 3177.7 | 3483.0 | 3987.5 | 4424.3 | 4850.0 | 5583.9 | 6860.6 | *7549.2* | 7181.6 |
| 57.5° | 2354.9 | 2383.6 | 2599.2 | 3026.4 | 3600.1 | 4303.8 | 5104.0 | 6089.1 | 7227.5 | *7970.9* | 7575.3 |
| 60° | 1534.8 | 1560.1 | 1810.6 | 2287.1 | 2957.9 | 3901.3 | 5154.7 | 6652.5 | 7714.9 | *8519.2* | 8105.8 |
| 62.5° | 1020.7 | 1037.8 | 1186.3 | 1536.1 | 2083.1 | 3128.4 | 4858.3 | 7102.2 | 8429.6 | *9473.5* | 9015.5 |
| 65° | 700.3 | 717.4 | 866.0 | 1109.7 | 1345.8 | 2069.4 | 4006.0 | 7042.7 | 9077.2 | *10231.3* | 9689.8 |
| 67.5° | *499.7* | *514.1* | *640.1* | *870.1* | *974.1* | *1202.1* | *2715.6* | *6281.4* | *8984.1* | *10260.1* | *9726.1* |
| 70° | 358.0 | 366.2 | 470.3 | 677.7 | 774.2 | 722.2 | 1510.1 | 4804.2 | 7866.2 | *9474.2* | 8985.4 |
| 72.5° | 250.5 | 253.3 | 326.5 | 516.2 | 623.6 | 527.1 | 718.8 | 3203.0 | 5949.4 | *7436.3* | 6966.0 |
| 75° | 169.8 | 173.2 | 219.7 | 378.6 | 500.4 | 402.5 | 380.6 | 1717.5 | 3492.6 | *4116.2* | 3689.7 |
| 77.5° | 104.1 | 105.4 | 141.7 | 258.8 | 374.4 | 306.7 | 245.1 | 727.7 | 1351.3 | *1326.7* | 1130.9 |
| 80° | 58.9 | 58.9 | 90.4 | 160.9 | 255.3 | 197.8 | 171.8 | 309.4 | 427.8 | *375.8* | 331.3 |
| 82.5° | 32.9 | 33.5 | 65.7 | 99.9 | 169.1 | 117.1 | 94.5 | 143.1 | 184.8 | *163.6* | 142.4 |
| 85° | 13.7 | 15.1 | 40.4 | 47.2 | 80.8 | 58.2 | 38.3 | 60.2 | 68.5 | *60.9* | 44.5 |
| 87.5° | 1.4 | 2.1 | 12.3 | 8.9 | 9.6 | 11.6 | 5.5 | 11.6 | 9.6 | *9.6* | 6.8 |
| 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° | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 | 1575.2 |
| 2.5° | 1585.4 | 1575.2 | 1549.1 | 1519.0 | 1479.3 | 1460.1 | 1434.1 | 1416.3 | 1401.3 | 1402.6 | 1389.0 |
| 5° | 1616.2 | 1590.2 | 1532.0 | 1459.5 | 1369.1 | 1304.8 | 1236.3 | 1189.1 | 1150.7 | 1142.5 | 1124.0 |
| 7.5° | 1658.7 | 1617.6 | 1515.6 | 1384.8 | 1232.2 | 1116.5 | 1013.1 | 946.7 | 899.5 | 884.4 | 869.4 |
| 10° | 1713.4 | 1653.9 | 1494.4 | 1291.1 | 1071.3 | 924.1 | 813.2 | 761.2 | 729.0 | 718.1 | 709.9 |
| 12.5° | 1777.1 | 1695.6 | 1466.3 | 1176.7 | 905.7 | 764.0 | 693.5 | 667.4 | 657.2 | 653.7 | 651.7 |
| 15° | 1857.2 | 1747.7 | 1423.9 | 1041.2 | 765.3 | 666.1 | 635.9 | 632.5 | 633.9 | 632.5 | 631.8 |
| 17.5° | 1952.3 | 1804.5 | 1354.7 | 901.6 | 670.9 | 616.1 | 605.1 | 607.9 | 611.3 | 610.6 | 609.3 |
| 20° | 2056.4 | 1860.6 | 1266.4 | 777.7 | 606.5 | 580.5 | 574.3 | 577.1 | 579.8 | 578.4 | 577.8 |
| 22.5° | 2174.8 | 1920.9 | 1168.5 | 681.1 | 563.4 | 547.6 | 540.8 | 541.5 | 541.5 | 538.7 | 537.4 |
| 25° | 2316.5 | 1987.3 | 1065.8 | 612.7 | 530.5 | 518.2 | 510.0 | 507.3 | 503.1 | 494.9 | 493.6 |
| 27.5° | 2485.6 | 2057.8 | 967.3 | 564.8 | 504.5 | 492.9 | 483.3 | 476.4 | 466.2 | 452.5 | 451.1 |
| 30° | 2675.9 | 2143.3 | 883.8 | 534.6 | 484.0 | 472.3 | 461.4 | 451.1 | 436.1 | 418.9 | 417.6 |
| 32.5° | 2899.8 | 2235.1 | 822.8 | 514.8 | 465.5 | 453.2 | 440.2 | 427.8 | 411.4 | 394.3 | 395.0 |
| 35° | 3166.7 | 2346.0 | 787.2 | 501.1 | 451.1 | 434.7 | 420.3 | 406.6 | 394.3 | 379.2 | 377.9 |
| 37.5° | 3456.3 | 2463.7 | 776.3 | 494.2 | 441.5 | 416.2 | 399.8 | 390.2 | 388.8 | 379.9 | 379.2 |
| 40° | 3773.2 | 2603.4 | 784.5 | 490.1 | 431.3 | 398.4 | 380.6 | 378.6 | 382.0 | 366.2 | 366.9 |
| 42.5° | 4108.7 | 2769.0 | 798.2 | 485.3 | 416.9 | 380.6 | 363.5 | 363.5 | 360.8 | 338.9 | 338.9 |
| 45° | 4471.5 | 2960.0 | 811.9 | 473.7 | 399.8 | 362.8 | 349.8 | 345.0 | 333.4 | 312.2 | 311.5 |
| 47.5° | 4837.0 | 3154.4 | 822.1 | 452.5 | 379.2 | 347.8 | 336.1 | 325.2 | 308.0 | 288.9 | 288.2 |
| 50° | 5184.1 | 3329.0 | 811.2 | 421.0 | 356.0 | 333.4 | 321.1 | 306.0 | 287.5 | 274.5 | 272.5 |
| 52.5° | 5494.2 | 3480.3 | 764.6 | 384.0 | 331.3 | 318.3 | 307.4 | 291.6 | 276.6 | 262.9 | 261.5 |
| 55° | 5763.9 | 3602.8 | 682.5 | 349.1 | 309.4 | 305.3 | 294.4 | 274.5 | 254.0 | 242.3 | 241.0 |
| 57.5° | 6022.7 | 3695.9 | 579.8 | 320.4 | 289.6 | 290.9 | 274.5 | 256.7 | 237.5 | 225.2 | 223.8 |
| 60° | 6367.0 | 3820.5 | 475.8 | 293.7 | 268.3 | 272.5 | 254.7 | 241.6 | 217.7 | 201.9 | 199.9 |
| 62.5° | 6917.4 | 4014.2 | 377.9 | 260.8 | 243.7 | 245.1 | 237.5 | 221.8 | 193.0 | 174.6 | 173.2 |
| 65° | 7354.1 | 3943.0 | 297.8 | 225.2 | 215.6 | 217.7 | 217.7 | 200.6 | 169.8 | 148.5 | 146.5 |
| 67.5° | *7304.9* | *3376.2* | *237.5* | *190.3* | *188.9* | *190.3* | *195.1* | *180.7* | *150.6* | *133.5* | *130.7* |
| 70° | 6729.1 | 2685.5 | 190.3 | 158.1 | 164.3 | 160.9 | 174.6 | 165.0 | 135.5 | 118.4 | 116.4 |
| 72.5° | 5490.8 | 1934.5 | 145.1 | 130.7 | 126.0 | 131.4 | 157.4 | 148.5 | 113.0 | 93.8 | 91.7 |
| 75° | 3208.5 | 1032.3 | 108.2 | 103.4 | 91.0 | 109.5 | 139.6 | 126.6 | 86.3 | 69.1 | 67.1 |
| 77.5° | 1044.6 | 360.1 | 79.4 | 76.0 | 67.8 | 88.3 | 119.1 | 106.8 | 70.5 | 54.8 | 52.7 |
| 80° | 280.0 | 108.8 | 54.1 | 50.0 | 43.8 | 65.7 | 94.5 | 84.9 | 50.7 | 35.6 | 34.9 |
| 82.5° | 112.3 | 45.9 | 31.5 | 28.1 | 24.0 | 45.2 | 74.6 | 68.5 | 37.7 | 22.6 | 22.6 |
| 85° | 36.3 | 15.1 | 11.6 | 8.9 | 11.0 | 28.1 | 44.5 | 46.5 | 26.7 | 11.6 | 8.9 |
| 87.5° | 4.8 | 2.1 | 2.1 | 2.7 | 2.1 | 4.8 | 13.7 | 13.0 | 7.5 | 1.4 | 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 |


HS
SS

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(END OF REPORT)