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: P1200312

Luminaire Tested: GPC-SB2C-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: | P1200312 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2C-827-U-SL4-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH 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: | 9089 lumens |
| Efficiency: | N/A |
| Efficacy: | 90.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| 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 |

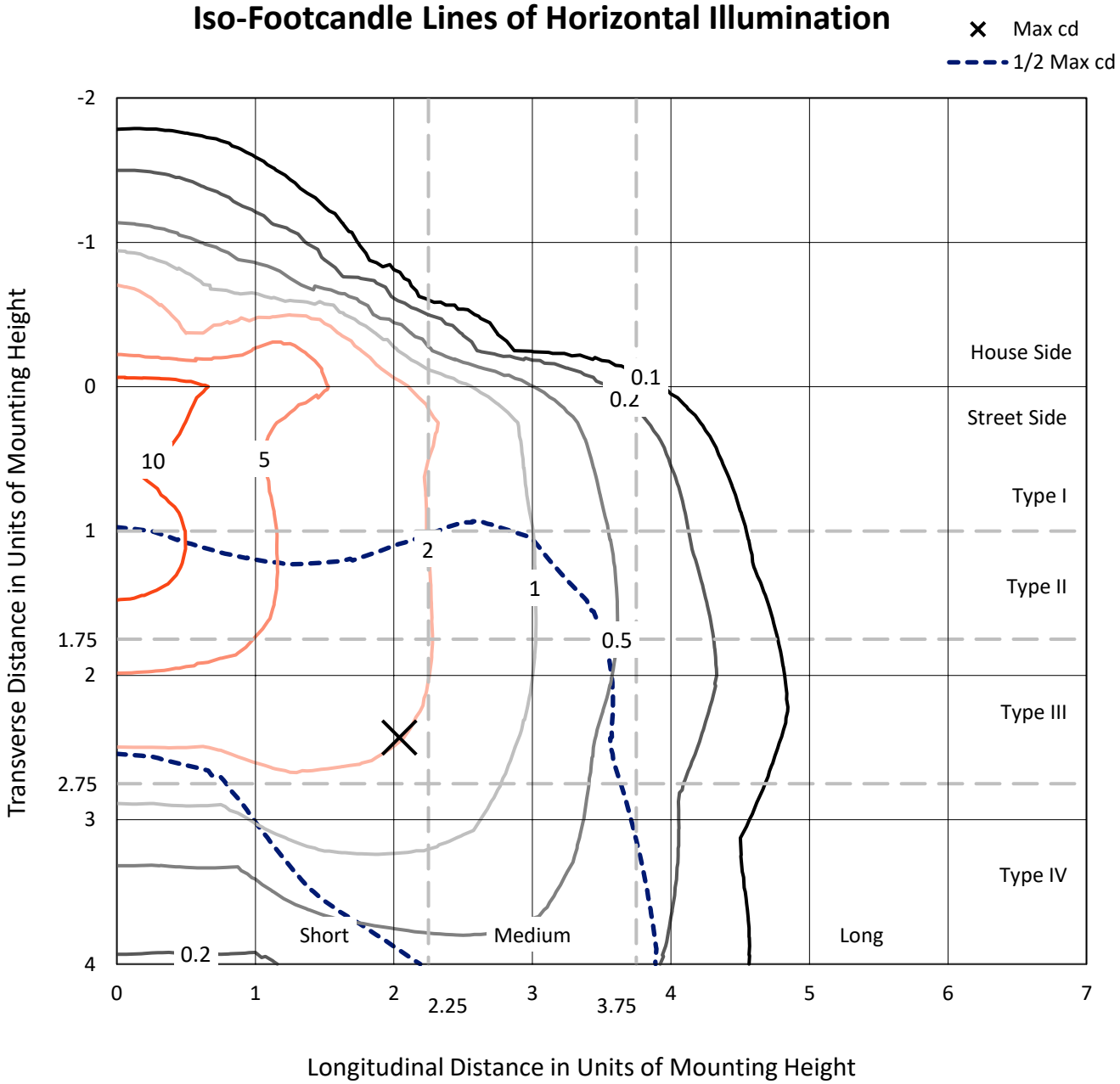


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## Iso-Footcandle Lines of Horizontal Illumination



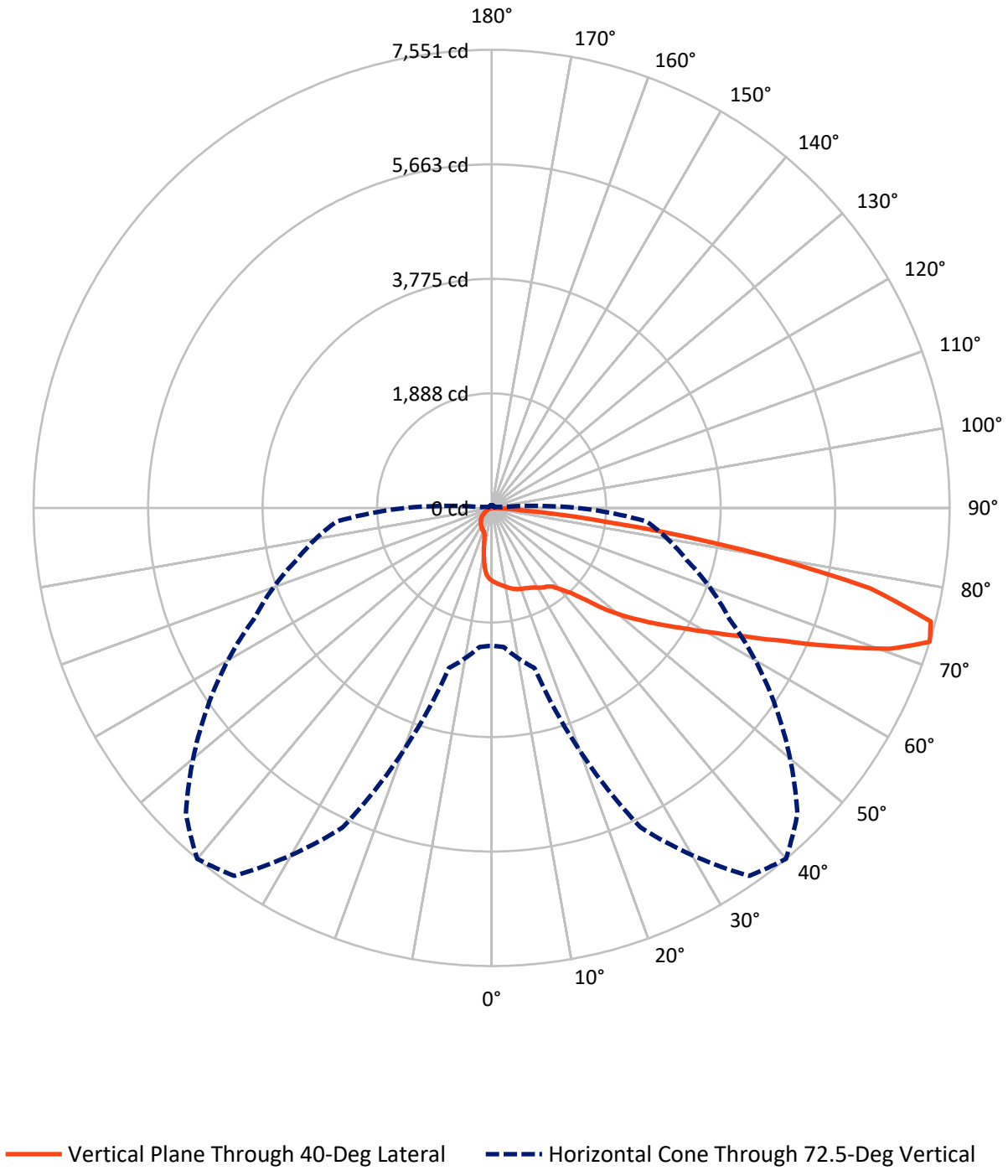

Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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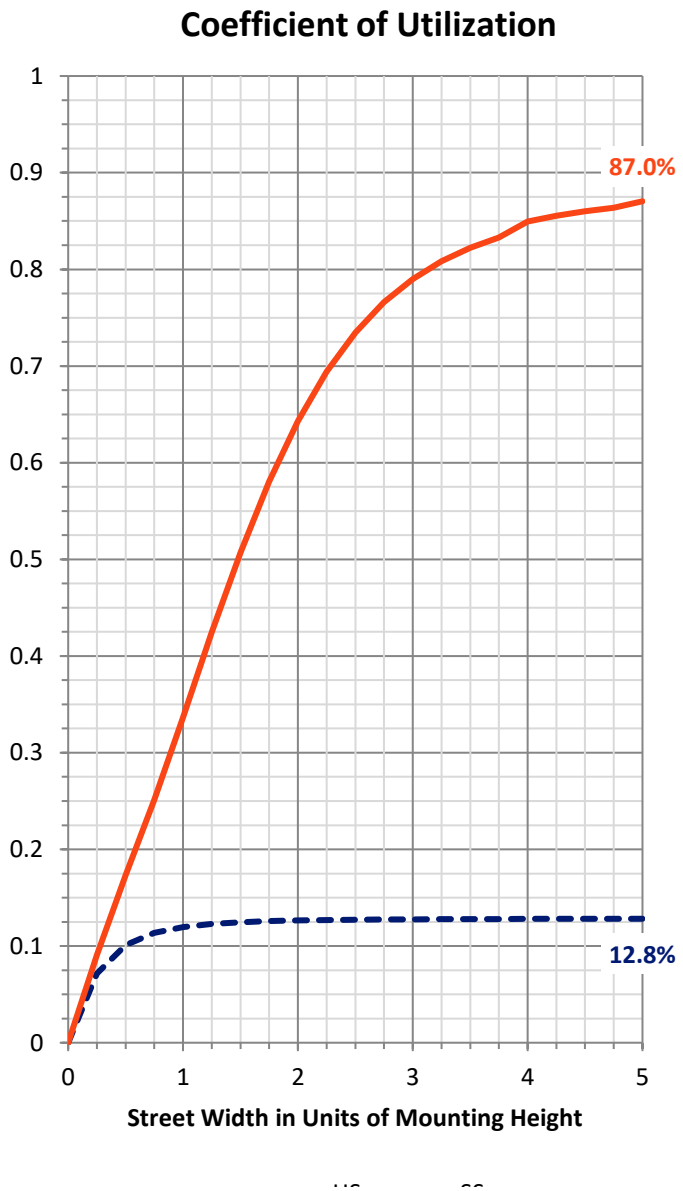
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1173.8 | 0.0 | 1173.8 |
| | % Fixture | 12.9 | 0.0 | 12.9 |
| **Street Side** | Lumens | 7915.2 | 0.0 | 7915.2 |
| | % Fixture | 87.1 | 0.0 | 87.1 |
| **Total** | Lumens | 9089.0 | 0.0 | 9089.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 109.9 | 1.2 |
| 10°-20° | 298.5 | 3.3 |
| 20°-30° | 483.0 | 5.3 |
| 30°-40° | 713.0 | 7.8 |
| 40°-50° | 1200.0 | 13.2 |
| 50°-60° | 1863.3 | 20.5 |
| 60°-70° | 2331.5 | 25.7 |
| 70°-80° | 1908.8 | 21.0 |
| 80°-90° | 181.0 | 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° | 9089.0 | 100.0 |
| 0°-180° | 9089.0 | 100.0 |



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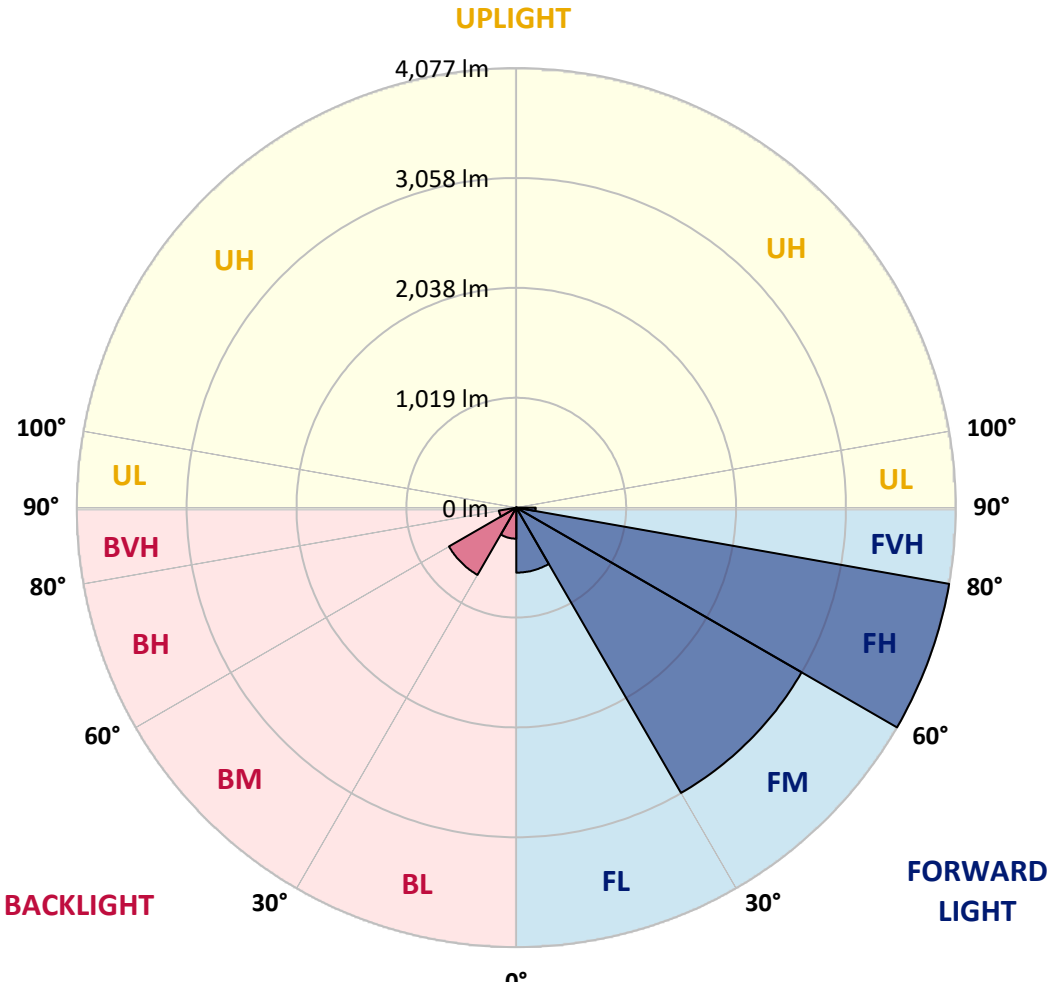
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 603.2 | 6.6 | | | |
| FM | (30°-60°) | 3055.6 | 33.6 | | | |
| FH | (60°-80°) | 4076.8 | 44.9 | | | G2/5000 |
| FVH | (80°-90°) | 179.6 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 288.1 | 3.2 | B1/500 | | |
| BM | (30°-60°) | 720.8 | 7.9 | B1/1000 | | |
| BH | (60°-80°) | 163.5 | 1.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.4 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | *1203.5* | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 |
| 2.5° | 1239.7 | 1244.5 | 1241.8 | 1236.3 | 1234.9 | *1232.2* | 1228.8 | 1227.4 | 1222.6 | 1218.5 | 1213.7 |
| 5° | 1274.7 | 1279.4 | 1276.0 | 1268.5 | 1265.1 | *1261.6* | 1256.9 | 1252.7 | 1243.2 | 1234.3 | 1223.3 |
| 7.5° | 1313.0 | 1317.1 | 1313.0 | 1302.0 | 1296.6 | *1292.5* | 1285.6 | 1279.4 | 1268.5 | 1255.5 | 1241.8 |
| 10° | 1355.4 | 1358.9 | 1352.7 | 1338.3 | 1329.4 | *1323.3* | 1317.1 | 1310.2 | 1300.0 | 1285.6 | 1269.2 |
| 12.5° | 1395.1 | 1399.2 | 1389.7 | 1372.5 | 1362.3 | *1356.1* | 1349.3 | 1343.8 | 1333.5 | 1319.8 | 1302.7 |
| 15° | 1431.4 | 1437.6 | 1421.1 | 1402.7 | 1391.0 | *1386.2* | 1379.4 | 1376.0 | 1369.1 | 1359.5 | 1343.8 |
| 17.5° | 1458.8 | 1462.9 | 1445.8 | 1423.9 | 1410.9 | *1407.5* | 1402.7 | 1404.7 | 1403.3 | 1398.6 | 1388.3 |
| 20° | 1482.1 | 1484.8 | 1462.2 | 1435.5 | 1421.1 | *1421.8* | 1420.5 | 1427.3 | 1430.0 | 1430.0 | 1429.4 |
| 22.5° | 1510.8 | 1511.5 | 1482.8 | 1449.2 | 1432.1 | *1436.9* | 1438.9 | 1446.5 | 1452.0 | 1457.4 | 1469.8 |
| 25° | 1548.5 | 1547.1 | 1512.9 | 1467.0 | 1452.0 | *1458.8* | 1463.6 | 1466.3 | 1472.5 | 1481.4 | 1509.5 |
| 27.5° | 1604.6 | 1600.5 | 1556.7 | 1495.8 | 1478.0 | *1484.1* | 1493.0 | 1491.7 | 1488.9 | 1495.8 | 1543.0 |
| 30° | 1675.8 | 1670.3 | 1612.1 | 1536.2 | 1519.7 | *1525.2* | 1527.9 | 1515.6 | 1495.8 | 1501.9 | 1572.4 |
| 32.5° | 1788.8 | 1779.2 | 1698.4 | 1581.3 | 1556.0 | *1562.2* | 1558.7 | 1533.4 | 1504.0 | 1510.1 | 1601.9 |
| 35° | 1985.2 | 1962.0 | 1847.6 | 1675.8 | 1597.1 | *1590.2* | 1582.0 | 1557.4 | 1521.1 | 1514.9 | 1626.5 |
| 37.5° | 2402.8 | 2361.7 | 2166.6 | 1860.0 | 1690.2 | *1645.7* | 1620.4 | 1595.7 | 1539.6 | 1514.9 | 1654.6 |
| 40° | 2873.8 | 2832.0 | 2606.8 | 2168.0 | 1844.9 | *1769.6* | 1709.3 | 1640.9 | 1558.7 | 1523.8 | 1698.4 |
| 42.5° | 3365.3 | 3319.4 | 3088.1 | 2550.0 | 2066.0 | *1911.3* | 1799.0 | 1677.2 | 1590.2 | 1551.2 | 1756.6 |
| 45° | 3914.3 | 3856.8 | 3554.2 | 2948.4 | 2387.1 | *2146.8* | 1943.5 | 1751.8 | 1645.0 | 1599.8 | 1836.0 |
| 47.5° | 4493.5 | 4418.8 | 4019.1 | 3335.2 | 2732.8 | *2472.6* | 2207.7 | 1885.3 | 1725.8 | 1672.4 | 1943.5 |
| 50° | 5006.9 | 4932.9 | 4498.9 | 3739.8 | 3055.9 | *2782.7* | 2508.9 | 2070.1 | 1846.9 | 1775.1 | 2087.9 |
| 52.5° | 5375.9 | 5319.7 | 4935.7 | 4157.3 | 3392.0 | *3073.7* | 2782.1 | 2285.1 | 2000.3 | 1906.5 | 2258.4 |
| 55° | 5623.0 | 5571.6 | 5245.1 | 4553.0 | 3782.9 | *3394.1* | 3051.1 | 2518.5 | 2185.1 | 2063.9 | 2446.6 |
| 57.5° | 5772.9 | 5743.5 | 5469.0 | 4906.2 | 4170.3 | *3744.5* | 3359.1 | 2775.2 | 2402.8 | 2249.5 | 2656.8 |
| 60° | 5826.3 | 5802.3 | 5607.9 | 5243.0 | 4638.6 | *4165.6* | 3721.3 | 3064.8 | 2667.0 | 2460.3 | 2872.4 |
| 62.5° | 5683.9 | 5688.7 | 5707.9 | 5642.1 | 5132.1 | *4658.4* | 4155.3 | 3412.5 | 2960.0 | 2699.2 | 3075.0 |
| 65° | 5013.7 | 5053.4 | 5417.6 | 6084.4 | 5785.9 | *5275.9* | 4707.7 | 3837.0 | 3295.5 | 2971.0 | 3235.9 |
| 67.5° | 4151.2 | 4208.7 | 4661.9 | 6343.1 | 6482.8 | *6077.5* | 5477.2 | 4377.8 | 3695.3 | 3247.6 | 3296.8 |
| 70° | 3177.7 | 3239.3 | 3788.4 | 6289.1 | 7135.2 | *6953.8* | 6428.7 | 5065.7 | 4109.4 | 3439.2 | 3141.4 |
| 72.5° | *2267.9* | *2299.4* | *2732.1* | *5807.8* | *7402.8* | *7550.7* | *7129.7* | *5717.4* | *4320.9* | *3333.1* | *2562.3* |
| 75° | 1593.7 | 1588.2 | 1875.0 | 4676.9 | 6985.9 | *7478.1* | 6883.9 | 5364.9 | 3910.2 | 2647.9 | 1580.0 |
| 77.5° | 694.1 | 695.5 | 936.5 | 2840.2 | 5575.7 | *6386.9* | 5722.2 | 3360.5 | 2725.9 | 1403.3 | 666.8 |
| 80° | 180.0 | 185.5 | 343.6 | 1130.9 | 3357.1 | *4215.5* | 3489.9 | 1477.3 | 1259.6 | 342.3 | 127.3 |
| 82.5° | 63.7 | 67.8 | 158.1 | 355.3 | 1238.4 | *1933.2* | 1554.0 | 472.3 | 328.6 | 97.9 | 34.2 |
| 85° | 18.5 | 21.9 | 84.9 | 108.8 | 256.0 | *546.3* | 377.2 | 91.7 | 80.8 | 50.7 | 8.9 |
| 87.5° | 0.0 | 2.7 | 17.1 | 15.1 | 15.1 | *10.3* | 19.2 | 10.3 | 13.0 | 6.2 | 2.7 |
| 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° | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 |
| 2.5° | 1209.6 | 1204.8 | 1194.6 | 1183.6 | 1173.3 | 1163.8 | 1161.0 | 1150.7 | 1146.0 | 1146.6 | 1146.0 |
| 5° | 1215.8 | 1206.9 | 1187.0 | 1163.1 | 1138.4 | 1110.4 | 1087.1 | 1054.2 | 1026.2 | 1022.7 | 1020.7 |
| 7.5° | 1232.2 | 1217.8 | 1185.7 | 1139.1 | 1077.5 | 1000.1 | 928.3 | 857.1 | 816.7 | 794.8 | 793.4 |
| 10° | 1257.5 | 1238.4 | 1189.1 | 1100.1 | 969.3 | 831.1 | 722.2 | 632.5 | 586.7 | 565.4 | 561.3 |
| 12.5° | 1287.7 | 1266.4 | 1194.6 | 1033.7 | 829.7 | 648.3 | 530.5 | 475.8 | 466.2 | 464.8 | 464.1 |
| 15° | 1330.1 | 1306.8 | 1200.7 | 944.0 | 678.4 | 493.6 | 439.5 | 440.2 | 447.7 | 451.8 | 451.1 |
| 17.5° | 1377.3 | 1354.1 | 1191.8 | 834.5 | 529.2 | 421.7 | 420.3 | 426.5 | 437.4 | 441.5 | 440.9 |
| 20° | 1425.3 | 1403.3 | 1160.3 | 705.8 | 427.9 | 401.8 | 407.3 | 414.2 | 425.1 | 430.6 | 430.6 |
| 22.5° | 1474.5 | 1455.4 | 1110.4 | 568.9 | 386.1 | 387.5 | 394.3 | 401.2 | 413.5 | 419.6 | 419.6 |
| 25° | 1527.3 | 1510.8 | 1044.0 | 455.9 | 368.3 | 372.4 | 381.3 | 389.5 | 402.5 | 410.1 | 410.1 |
| 27.5° | 1580.7 | 1568.3 | 968.7 | 380.6 | 351.9 | 356.7 | 366.9 | 377.9 | 390.9 | 399.8 | 400.5 |
| 30° | 1638.8 | 1632.0 | 908.4 | 352.5 | 336.1 | 340.2 | 351.9 | 364.2 | 378.6 | 389.5 | 390.9 |
| 32.5° | 1698.4 | 1697.0 | 879.0 | 373.1 | 321.7 | 324.5 | 334.8 | 347.1 | 364.9 | 378.6 | 379.9 |
| 35° | 1757.3 | 1760.0 | 861.9 | 431.3 | 317.0 | 309.4 | 316.3 | 327.2 | 348.4 | 365.6 | 368.3 |
| 37.5° | 1832.6 | 1839.4 | 861.2 | 494.3 | 328.6 | 294.4 | 299.2 | 306.7 | 325.2 | 345.0 | 348.4 |
| 40° | 1944.8 | 1981.1 | 905.0 | 548.3 | 349.1 | 280.7 | 282.0 | 283.4 | 293.0 | 309.4 | 314.9 |
| 42.5° | 2094.1 | 2200.2 | 1063.1 | 585.3 | 357.3 | 268.3 | 263.6 | 256.0 | 254.7 | 263.6 | 268.3 |
| 45° | 2279.6 | 2465.1 | 1341.1 | 605.8 | 349.1 | 254.7 | 241.6 | 221.8 | 214.3 | 220.4 | 220.4 |
| 47.5° | 2498.0 | 2755.4 | 1670.3 | 610.6 | 335.4 | 237.5 | 214.3 | 188.3 | 182.1 | 184.1 | 183.5 |
| 50° | 2710.9 | 2973.0 | 1959.9 | 570.9 | 312.8 | 215.6 | 184.1 | 162.2 | 158.1 | 158.8 | 158.8 |
| 52.5° | 2899.1 | 3047.7 | 2042.0 | 477.1 | 282.7 | 188.9 | 158.1 | 143.1 | 140.3 | 140.3 | 139.7 |
| 55° | 3023.7 | 2966.9 | 1820.9 | 364.9 | 245.1 | 161.6 | 135.5 | 128.0 | 126.6 | 126.0 | 124.6 |
| 57.5° | 3049.7 | 2704.0 | 1375.3 | 263.6 | 191.7 | 136.2 | 120.5 | 116.4 | 113.6 | 110.9 | 109.5 |
| 60° | 2956.6 | 2265.9 | 875.6 | 184.1 | 143.8 | 116.4 | 106.8 | 104.1 | 98.6 | 93.1 | 91.0 |
| 62.5° | 2755.4 | 1711.4 | 484.7 | 128.0 | 115.7 | 99.3 | 94.5 | 91.0 | 80.8 | 71.9 | 69.1 |
| 65° | 2485.0 | 1137.7 | 214.3 | 99.9 | 94.5 | 83.5 | 80.8 | 76.0 | 63.7 | 53.4 | 51.3 |
| 67.5° | 2213.2 | 655.1 | 96.5 | 80.1 | 76.0 | 68.5 | 66.4 | 63.0 | 54.1 | 44.5 | 43.1 |
| 70° | 1903.1 | 332.0 | 66.4 | 63.7 | 58.9 | 52.0 | 54.1 | 53.4 | 44.5 | 36.3 | 34.9 |
| 72.5° | *1417.0* | *165.0* | *50.0* | *47.9* | *42.4* | *37.0* | *44.5* | *43.8* | *34.9* | *27.4* | *26.0* |
| 75° | 802.3 | 81.5 | 36.3 | 33.5 | 25.3 | 27.4 | 35.6 | 33.5 | 24.0 | 17.8 | 16.4 |
| 77.5° | 318.3 | 41.8 | 24.0 | 20.5 | 15.1 | 18.5 | 26.0 | 22.6 | 12.3 | 7.5 | 6.8 |
| 80° | 73.2 | 20.5 | 12.3 | 8.9 | 6.8 | 11.0 | 13.7 | 8.2 | 3.4 | 0.7 | 0.0 |
| 82.5° | 20.5 | 8.9 | 4.1 | 3.4 | 3.4 | 4.1 | 3.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 85° | 6.8 | 4.1 | 1.4 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.7 | 1.4 | 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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SS

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(END OF REPORT)