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: P1198308

Luminaire Tested: GPC-SB1C-735-U-T3R

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198308 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1C-735-U-T3R |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7729 lumens |
| Efficiency: | N/A |
| Efficacy: | 142.1 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 54.4 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.437 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.993 |
| Total Harmonic Distortion (THDi): | 9.314 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

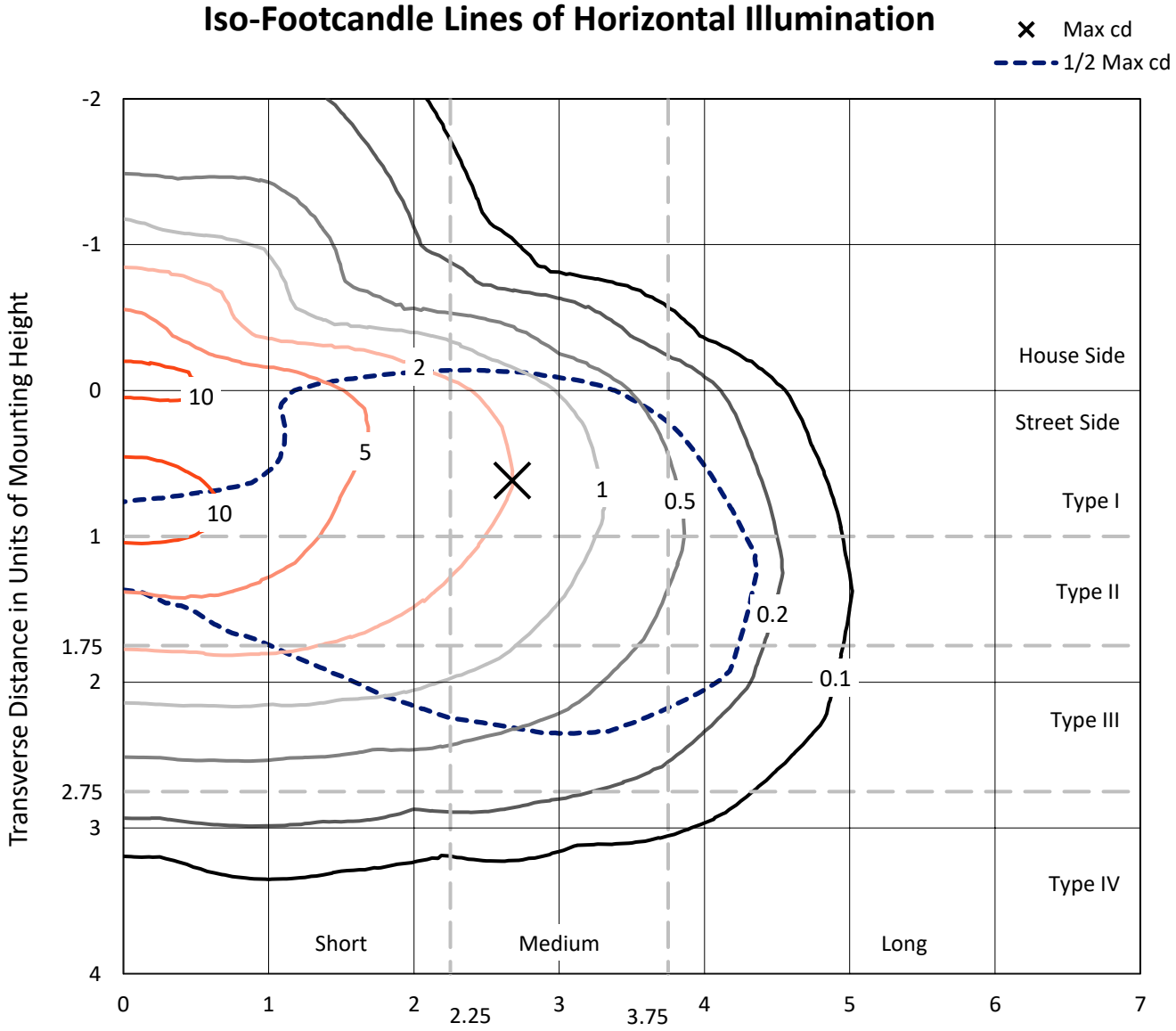


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## Iso-Footcandle Lines of Horizontal Illumination



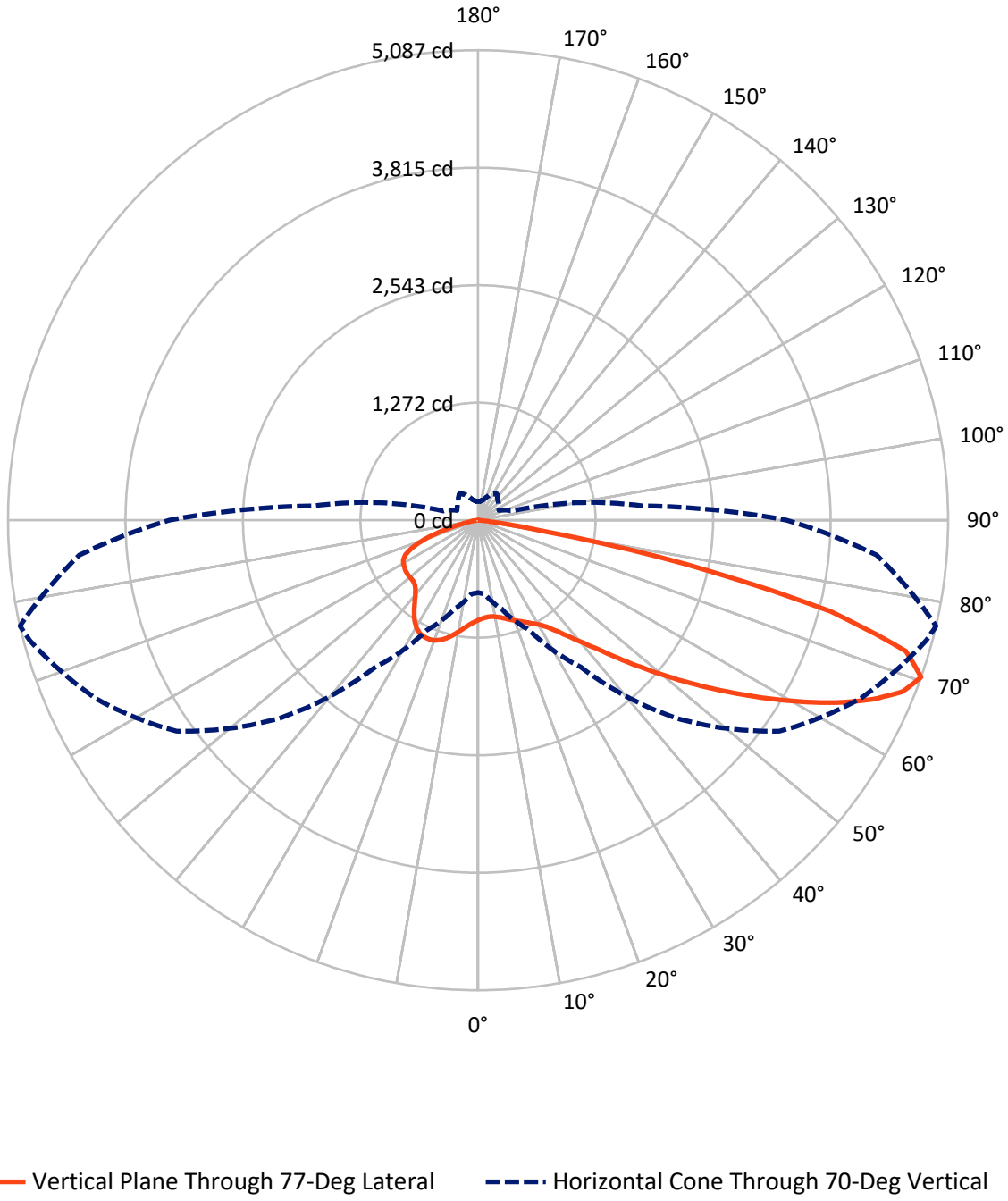

Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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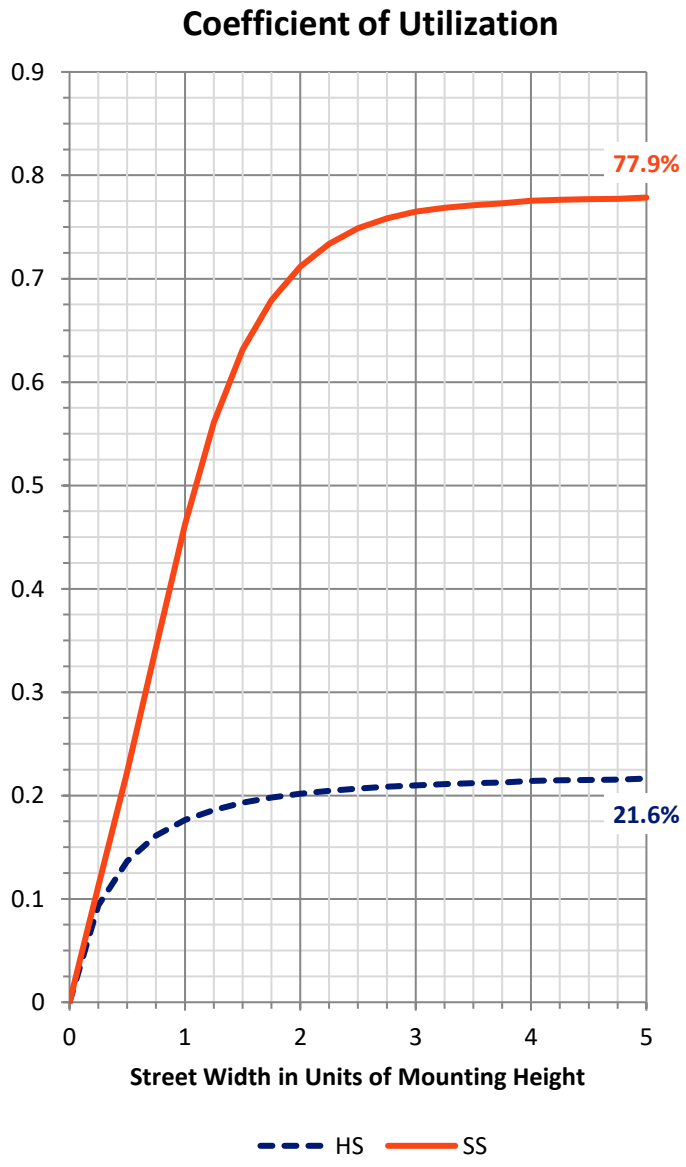
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1692.5 | 0.0 | 1692.5 |
| | % Fixture | 21.9 | 0.0 | 21.9 |
| **Street Side** | Lumens | 6036.5 | 0.0 | 6036.5 |
| | % Fixture | 78.1 | 0.0 | 78.1 |
| **Total** | Lumens | 7729.0 | 0.0 | 7729.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 102.8 | 1.3 |
| 10°-20° | 296.8 | 3.8 |
| 20°-30° | 507.6 | 6.6 |
| 30°-40° | 816.2 | 10.6 |
| 40°-50° | 1274.3 | 16.5 |
| 50°-60° | 1702.2 | 22.0 |
| 60°-70° | 1814.3 | 23.5 |
| 70°-80° | 1116.9 | 14.5 |
| 80°-90° | 97.9 | 1.3 |
| 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° | 7729.0 | 100.0 |
| 0°-180° | 7729.0 | 100.0 |



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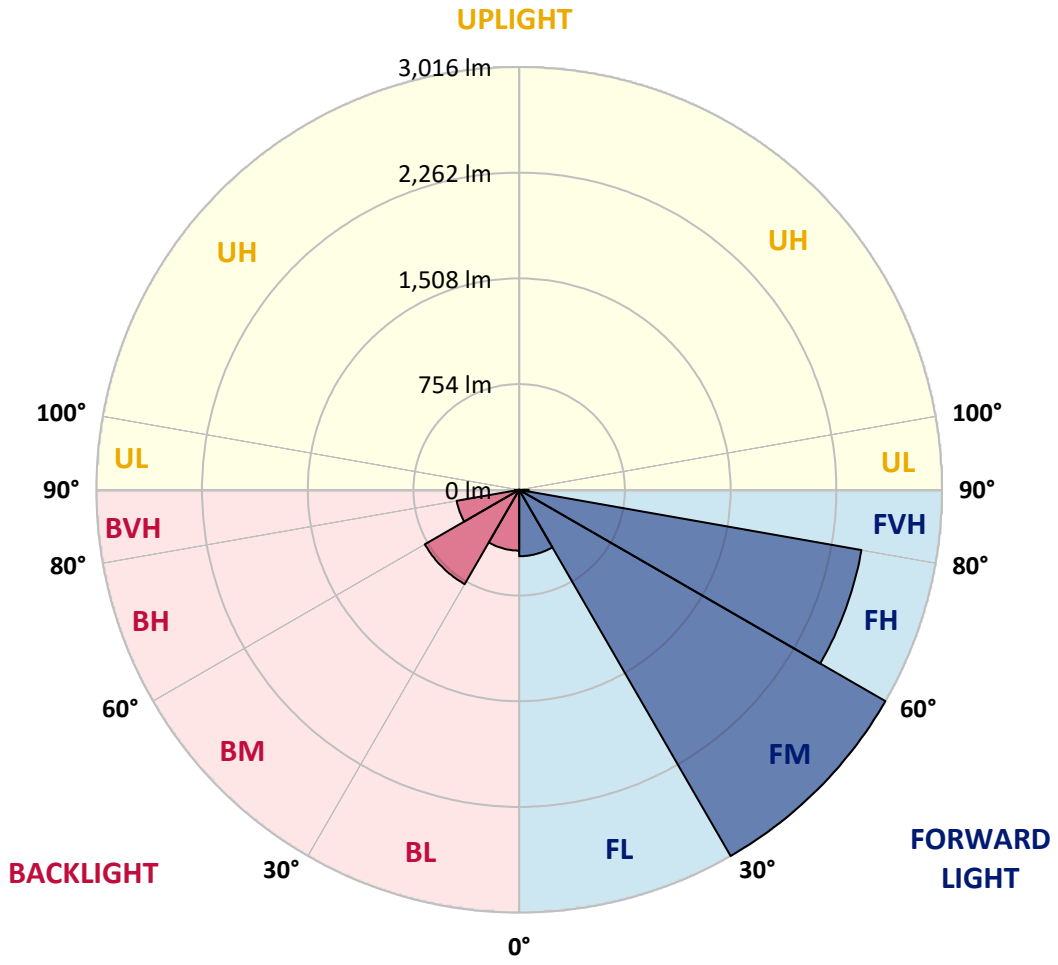
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 473.5 | 6.1 | | | |
| FM | (30°-60°) | 3015.7 | 39.0 | | | |
| FH | (60°-80°) | 2478.8 | 32.1 | | | G2/5000 |
| FVH | (80°-90°) | 68.4 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 433.7 | 5.6 | B1/500 | | |
| BM | (30°-60°) | 777.1 | 10.1 | B1/1000 | | |
| BH | (60°-80°) | 452.3 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 29.4 | 0.4 | | | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | *1078.3* | 1078.3 |
| 2.5° | 994.0 | 993.6 | 998.7 | 1000.3 | 1009.8 | 1016.5 | 1029.2 | 1042.6 | 1060.1 | *1062.0* | 1072.7 |
| 5° | 936.6 | 936.6 | 942.5 | 948.8 | 961.1 | 974.6 | 994.0 | 1017.3 | 1047.4 | *1052.1* | 1078.7 |
| 7.5° | 887.9 | 891.0 | 896.2 | 908.5 | 922.7 | 942.1 | 971.8 | 1005.0 | 1044.6 | *1052.1* | 1094.9 |
| 10° | 848.7 | 852.2 | 858.6 | 868.5 | 889.8 | 916.8 | 955.6 | 998.3 | 1051.3 | *1063.2* | 1118.6 |
| 12.5° | 836.4 | 840.0 | 843.5 | 851.1 | 870.8 | 902.5 | 948.8 | 1001.5 | 1067.6 | *1079.5* | 1151.1 |
| 15° | 864.9 | 869.3 | 866.5 | 864.5 | 874.8 | 903.7 | 952.0 | 1013.0 | 1087.8 | *1104.8* | 1191.1 |
| 17.5° | 930.6 | 932.2 | 925.9 | 907.3 | 905.7 | 921.1 | 967.0 | 1028.8 | 1113.1 | *1131.7* | 1231.5 |
| 20° | 1036.7 | 1033.9 | 1020.9 | 984.1 | 963.1 | 959.9 | 992.8 | 1052.5 | 1139.2 | *1159.0* | 1275.0 |
| 22.5° | 1180.8 | 1177.6 | 1151.5 | 1093.3 | 1046.6 | 1015.7 | 1030.0 | 1083.4 | 1168.5 | *1190.7* | 1317.4 |
| 25° | 1360.5 | 1356.1 | 1317.7 | 1238.6 | 1166.1 | 1089.7 | 1080.6 | 1124.2 | 1204.5 | *1225.1* | 1361.7 |
| 27.5° | 1570.3 | 1566.7 | 1525.2 | 1420.7 | 1316.2 | 1191.1 | 1143.6 | 1172.1 | 1242.1 | *1265.5* | 1411.6 |
| 30° | 1795.9 | 1806.2 | 1732.6 | 1620.2 | 1488.0 | 1323.3 | 1228.3 | 1231.1 | 1290.8 | *1311.8* | 1472.1 |
| 32.5° | 2061.1 | 2078.9 | 1990.3 | 1847.8 | 1667.3 | 1467.0 | 1335.2 | 1313.4 | 1361.7 | *1379.1* | 1548.5 |
| 35° | 2324.0 | 2344.2 | 2270.5 | 2113.0 | 1905.2 | 1636.4 | 1446.8 | 1408.0 | 1455.9 | *1474.9* | 1649.9 |
| 37.5° | 2551.2 | 2578.1 | 2540.1 | 2403.1 | 2159.7 | 1840.7 | 1592.5 | 1519.2 | 1571.9 | *1595.6* | 1786.0 |
| 40° | 2730.5 | 2771.7 | 2768.9 | 2683.4 | 2459.7 | 2088.4 | 1777.3 | 1656.6 | 1716.0 | *1741.7* | 1951.1 |
| 42.5° | 2876.2 | 2911.8 | 2942.7 | 2938.3 | 2772.9 | 2369.9 | 1994.6 | 1835.1 | 1880.2 | *1909.9* | 2136.7 |
| 45° | 2976.7 | 3014.7 | 3081.2 | 3152.9 | 3074.1 | 2671.1 | 2243.6 | 2046.9 | 2088.1 | *2132.8* | 2358.0 |
| 47.5° | 3066.6 | 3109.7 | 3196.0 | 3309.6 | 3329.8 | 2973.5 | 2516.3 | 2293.5 | 2331.1 | *2377.4* | 2580.1 |
| 50° | 3074.5 | 3111.7 | 3245.5 | 3406.6 | 3511.5 | 3264.1 | 2809.3 | 2570.2 | 2605.4 | *2654.9* | 2818.0 |
| 52.5° | 2883.3 | 2941.9 | 3175.4 | 3403.8 | 3595.0 | 3507.1 | 3100.2 | 2858.0 | 2897.5 | *2956.9* | 3064.2 |
| 55° | 2238.1 | 2324.0 | 2970.0 | 3297.7 | 3565.3 | 3664.3 | 3376.9 | 3163.9 | 3214.6 | *3276.8* | 3312.0 |
| 57.5° | 1927.7 | 1965.3 | 2357.6 | 3104.6 | 3429.9 | 3705.1 | 3610.4 | 3473.1 | 3554.6 | *3622.7* | 3574.0 |
| 60° | 1732.6 | 1763.9 | 1995.8 | 2804.1 | 3251.8 | 3640.5 | 3791.0 | 3761.3 | 3902.2 | *3983.3* | 3842.0 |
| 62.5° | 1523.6 | 1553.3 | 1764.3 | 2341.4 | 3023.8 | 3533.3 | 3905.0 | 4027.3 | 4258.4 | *4347.1* | 4094.6 |
| 65° | 1316.2 | 1341.5 | 1543.8 | 1967.3 | 2734.1 | 3426.0 | 3963.9 | 4257.3 | 4588.2 | *4680.0* | 4304.4 |
| 67.5° | 1085.0 | 1106.0 | 1297.2 | 1659.8 | 2381.8 | 3279.1 | 3993.2 | 4438.1 | 4875.2 | *4953.9* | 4408.1 |
| 70° | *783.0* | *799.2* | *996.7* | *1312.6* | *1939.6* | *3026.6* | *3981.4* | *4566.4* | *5024.0* | *5086.9* | *4329.7* |
| 72.5° | 370.1 | 384.8 | 616.7 | 852.2 | 1370.0 | 2535.0 | 3741.1 | 4464.7 | 4872.8 | *4841.5* | 3849.9 |
| 75° | 197.5 | 210.2 | 354.3 | 467.5 | 723.6 | 1737.7 | 3061.4 | 3846.0 | 4091.8 | *3939.8* | 2845.3 |
| 77.5° | 133.8 | 143.7 | 219.3 | 280.7 | 330.5 | 824.9 | 1967.7 | 2662.8 | 2561.9 | *2310.9* | 1425.0 |
| 80° | 106.1 | 116.4 | 179.7 | 190.0 | 159.9 | 298.1 | 813.1 | 1232.6 | 885.5 | *708.2* | 405.3 |
| 82.5° | 81.5 | 93.0 | 151.2 | 137.8 | 87.1 | 122.3 | 236.7 | 389.9 | 226.8 | *172.6* | 98.2 |
| 85° | 49.9 | 62.1 | 118.8 | 87.9 | 49.1 | 55.8 | 80.4 | 108.5 | 69.3 | *57.8* | 35.2 |
| 87.5° | 25.3 | 35.6 | 60.2 | 32.1 | 22.2 | 13.1 | 21.4 | 21.4 | 18.2 | *15.8* | 9.1 |
| 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° | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 | 1078.3 |
| 2.5° | 1082.2 | 1090.1 | 1103.6 | 1116.3 | 1126.2 | 1135.7 | 1145.2 | 1150.3 | 1151.9 | 1158.2 | 1161.8 |
| 5° | 1094.9 | 1109.5 | 1135.7 | 1160.2 | 1175.6 | 1185.1 | 1191.9 | 1195.8 | 1196.6 | 1198.6 | 1201.8 |
| 7.5° | 1118.2 | 1141.6 | 1178.0 | 1202.6 | 1214.0 | 1213.2 | 1210.5 | 1200.6 | 1196.6 | 1193.1 | 1193.9 |
| 10° | 1151.1 | 1182.0 | 1226.7 | 1243.7 | 1236.6 | 1217.6 | 1193.1 | 1164.2 | 1150.7 | 1137.6 | 1133.7 |
| 12.5° | 1191.9 | 1231.1 | 1275.0 | 1274.2 | 1239.0 | 1190.3 | 1133.3 | 1089.0 | 1060.8 | 1040.7 | 1035.9 |
| 15° | 1241.4 | 1286.5 | 1320.1 | 1293.2 | 1216.0 | 1128.5 | 1045.0 | 987.2 | 961.9 | 939.7 | 937.3 |
| 17.5° | 1292.4 | 1340.7 | 1356.1 | 1287.3 | 1158.2 | 1037.1 | 942.5 | 897.0 | 872.0 | 860.2 | 863.7 |
| 20° | 1342.3 | 1390.2 | 1377.5 | 1253.2 | 1070.3 | 933.4 | 849.1 | 824.1 | 819.0 | 821.8 | 820.6 |
| 22.5° | 1394.9 | 1437.7 | 1381.9 | 1187.5 | 958.3 | 827.3 | 781.0 | 781.8 | 793.3 | 801.6 | 803.6 |
| 25° | 1448.8 | 1477.7 | 1370.4 | 1092.5 | 838.0 | 749.3 | 737.8 | 750.5 | 773.1 | 789.3 | 793.7 |
| 27.5° | 1500.6 | 1513.3 | 1345.5 | 975.0 | 734.7 | 693.5 | 695.5 | 721.6 | 755.7 | 778.2 | 783.8 |
| 30° | 1559.2 | 1545.0 | 1297.6 | 842.7 | 663.0 | 645.6 | 662.2 | 692.7 | 726.8 | 746.9 | 751.7 |
| 32.5° | 1625.3 | 1572.3 | 1221.6 | 720.4 | 612.4 | 607.2 | 634.5 | 654.3 | 669.4 | 675.3 | 678.5 |
| 35° | 1707.7 | 1610.7 | 1124.2 | 634.5 | 566.8 | 579.1 | 605.2 | 595.3 | 589.4 | 586.2 | 589.4 |
| 37.5° | 1814.5 | 1662.5 | 1010.2 | 578.7 | 530.0 | 558.9 | 569.6 | 538.7 | 515.4 | 503.9 | 506.7 |
| 40° | 1943.2 | 1738.5 | 900.5 | 535.6 | 506.7 | 541.5 | 522.9 | 485.7 | 456.0 | 439.8 | 441.0 |
| 42.5° | 2086.1 | 1818.1 | 808.3 | 503.1 | 493.6 | 527.3 | 488.5 | 444.1 | 396.2 | 391.1 | 396.2 |
| 45° | 2236.1 | 1900.0 | 745.4 | 478.2 | 487.3 | 515.0 | 468.7 | 397.0 | 363.0 | 384.0 | 395.0 |
| 47.5° | 2386.1 | 1975.2 | 707.4 | 459.6 | 484.1 | 501.1 | 451.3 | 370.9 | 346.8 | 377.2 | 391.5 |
| 50° | 2553.2 | 2042.5 | 690.3 | 446.1 | 480.5 | 495.6 | 425.1 | 364.2 | 329.7 | 349.9 | 365.0 |
| 52.5° | 2719.0 | 2094.8 | 677.7 | 432.7 | 475.4 | 491.2 | 412.5 | 356.3 | 309.2 | 310.3 | 318.7 |
| 55° | 2884.5 | 2128.8 | 663.8 | 414.8 | 463.9 | 481.7 | 411.3 | 347.5 | 293.7 | 288.2 | 292.1 |
| 57.5° | 3061.0 | 2148.2 | 646.8 | 395.0 | 444.1 | 457.6 | 410.1 | 340.8 | 289.0 | 279.9 | 281.0 |
| 60° | 3240.7 | 2176.7 | 624.6 | 370.9 | 417.6 | 428.7 | 407.3 | 338.4 | 286.2 | 270.8 | 271.9 |
| 62.5° | 3401.8 | 2186.6 | 598.1 | 347.9 | 383.6 | 400.2 | 401.4 | 336.5 | 278.7 | 252.1 | 252.1 |
| 65° | 3507.5 | 2143.9 | 551.8 | 321.8 | 346.8 | 370.9 | 389.9 | 329.7 | 265.2 | 238.7 | 238.7 |
| 67.5° | 3503.2 | 2021.9 | 479.4 | 288.2 | 311.1 | 338.4 | 373.3 | 318.3 | 249.0 | 222.1 | 223.3 |
| 70° | *3340.1* | *1781.3* | *387.5* | *249.0* | *271.9* | *303.6* | *351.9* | *301.2* | *229.6* | *203.9* | *206.2* |
| 72.5° | 2864.7 | 1394.1 | 281.4 | 203.1 | 226.4 | 267.6 | 324.2 | 280.7 | 209.8 | 187.6 | 186.4 |
| 75° | 2046.5 | 882.3 | 190.8 | 156.0 | 176.1 | 226.8 | 289.8 | 256.5 | 191.6 | 188.4 | 177.7 |
| 77.5° | 1045.4 | 421.6 | 126.3 | 114.0 | 122.7 | 178.9 | 243.4 | 229.2 | 194.4 | 155.6 | 138.5 |
| 80° | 340.0 | 155.6 | 79.6 | 77.6 | 81.5 | 119.1 | 188.4 | 188.0 | 147.3 | 105.7 | 93.4 |
| 82.5° | 108.5 | 66.9 | 51.9 | 49.9 | 47.9 | 74.8 | 131.4 | 148.8 | 99.4 | 66.9 | 66.5 |
| 85° | 43.1 | 40.0 | 30.5 | 28.1 | 20.2 | 35.2 | 68.9 | 99.0 | 74.0 | 48.3 | 49.5 |
| 87.5° | 15.8 | 15.8 | 8.3 | 5.9 | 4.4 | 11.9 | 18.6 | 29.7 | 42.4 | 24.9 | 24.5 |
| 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)