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: P1202628

Luminaire Tested: GWC-SB2A-735-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1202628 |
| | 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-SB2A-735-U-SL4-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (2) 70 CRI, 3500K, 350mA 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: | 6261 lumens |
| Efficiency: | N/A |
| Efficacy: | 109.3 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): | 57.3 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.484 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.038 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

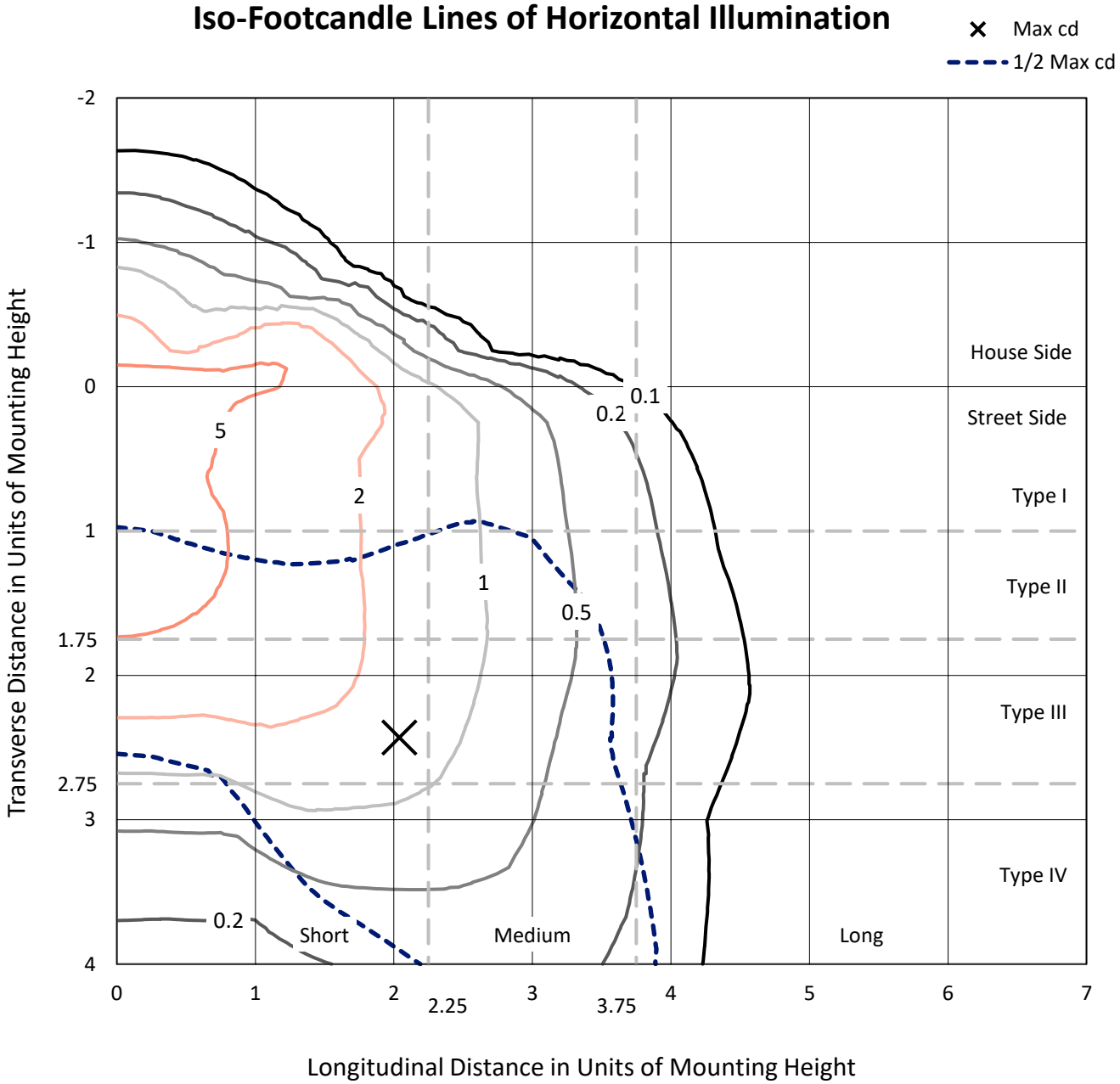


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## Iso-Footcandle Lines of Horizontal Illumination



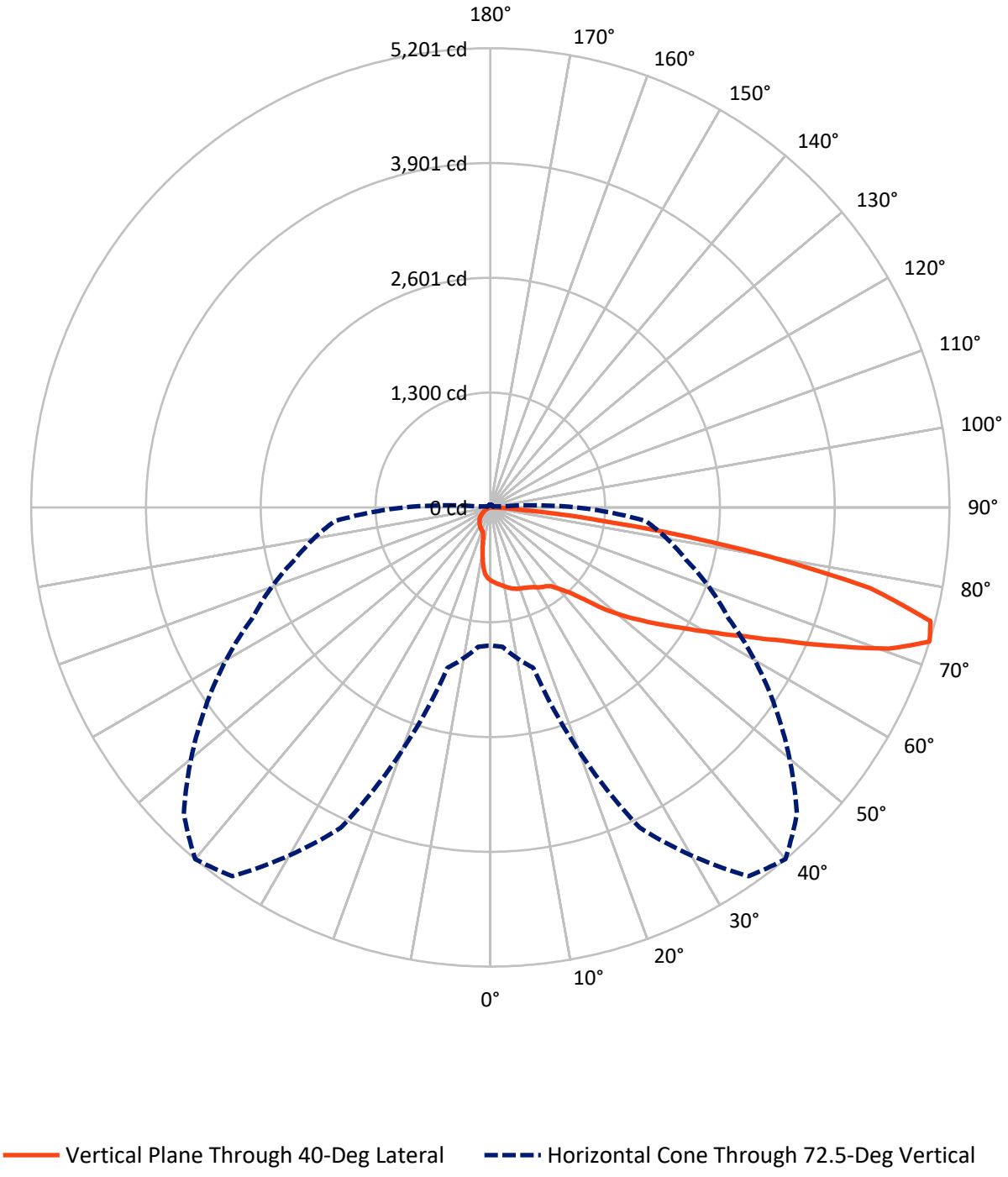

Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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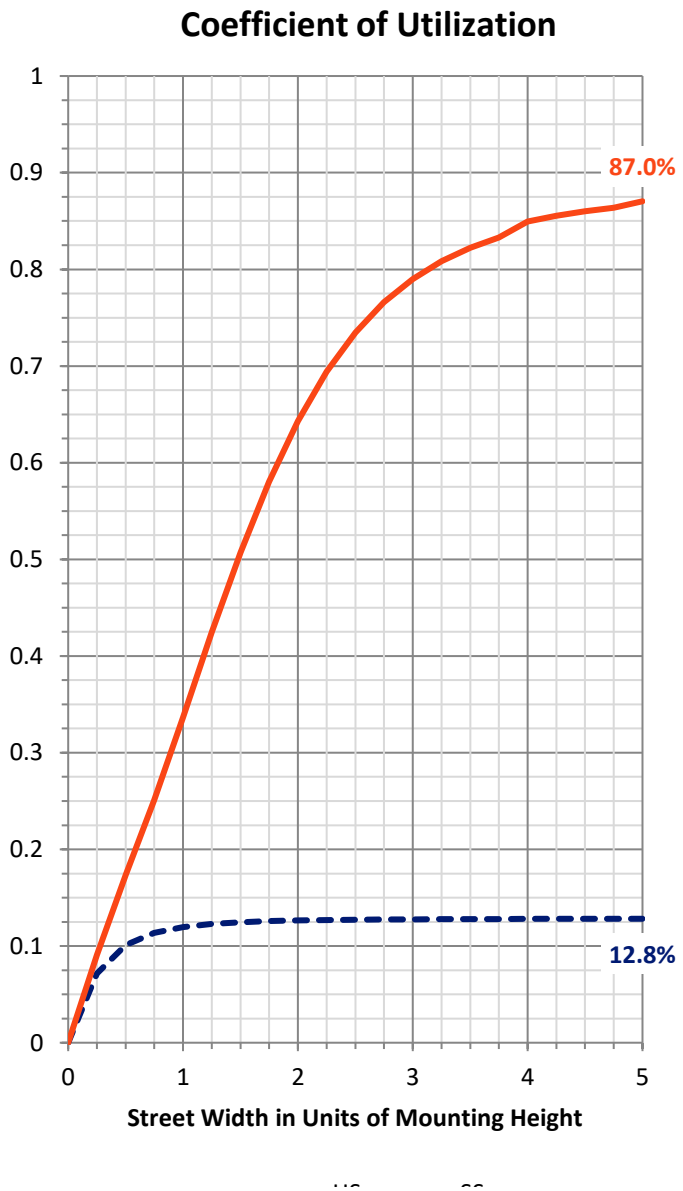
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 808.6 | 0.0 | 808.6 |
| | % Fixture | 12.9 | 0.0 | 12.9 |
| **Street Side** | Lumens | 5452.5 | 0.0 | 5452.5 |
| | % Fixture | 87.1 | 0.0 | 87.1 |
| **Total** | Lumens | 6261.0 | 0.0 | 6261.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 75.7 | 1.2 |
| 10°-20° | 205.6 | 3.3 |
| 20°-30° | 332.7 | 5.3 |
| 30°-40° | 491.2 | 7.8 |
| 40°-50° | 826.6 | 13.2 |
| 50°-60° | 1283.6 | 20.5 |
| 60°-70° | 1606.1 | 25.7 |
| 70°-80° | 1314.9 | 21.0 |
| 80°-90° | 124.7 | 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° | 6261.0 | 100.0 |
| 0°-180° | 6261.0 | 100.0 |



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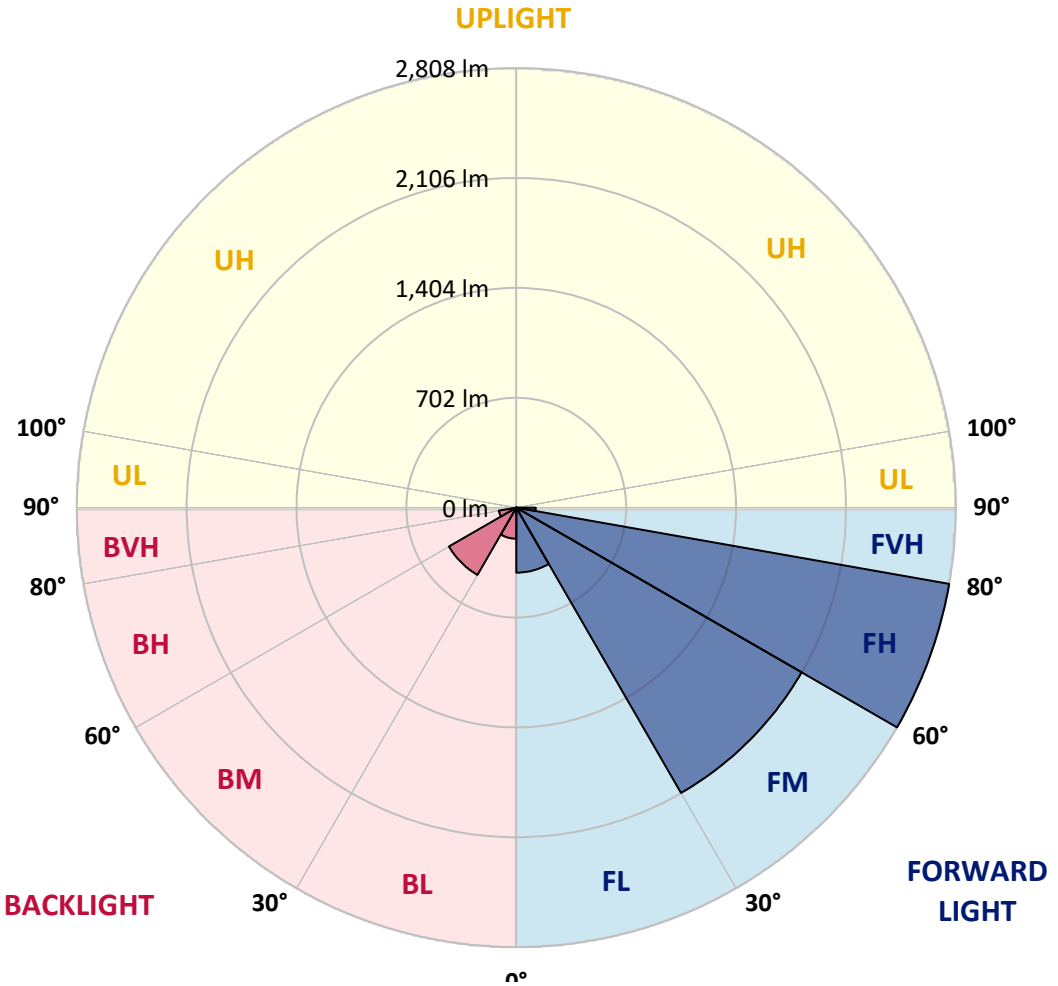
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 415.5 | 6.6 | | | |
| FM | (30°-60°) | 2104.8 | 33.6 | | | |
| FH | (60°-80°) | 2808.3 | 44.9 | | | G2/5000 |
| FVH | (80°-90°) | 123.7 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 198.5 | 3.2 | B1/500 | | |
| BM | (30°-60°) | 496.5 | 7.9 | B1/1000 | | |
| BH | (60°-80°) | 112.6 | 1.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.0 | 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° | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | *829.0* | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 |
| 2.5° | 854.0 | 857.3 | 855.4 | 851.6 | 850.7 | *848.8* | 846.5 | 845.5 | 842.2 | 839.4 | 836.1 |
| 5° | 878.0 | 881.4 | 879.0 | 873.8 | 871.4 | *869.1* | 865.8 | 863.0 | 856.4 | 850.2 | 842.7 |
| 7.5° | 904.5 | 907.3 | 904.5 | 896.9 | 893.1 | *890.3* | 885.6 | 881.4 | 873.8 | 864.8 | 855.4 |
| 10° | 933.7 | 936.1 | 931.8 | 921.9 | 915.8 | *911.5* | 907.3 | 902.6 | 895.5 | 885.6 | 874.3 |
| 12.5° | 961.0 | 963.9 | 957.3 | 945.5 | 938.4 | *934.2* | 929.5 | 925.7 | 918.6 | 909.2 | 897.4 |
| 15° | 986.0 | 990.3 | 979.0 | 966.2 | 958.2 | *954.9* | 950.2 | 947.8 | 943.1 | 936.5 | 925.7 |
| 17.5° | 1004.9 | 1007.7 | 995.9 | 980.9 | 971.9 | *969.5* | 966.2 | 967.6 | 966.7 | 963.4 | 956.3 |
| 20° | 1020.9 | 1022.8 | 1007.3 | 988.9 | 979.0 | *979.4* | 978.5 | 983.2 | 985.1 | 985.1 | 984.6 |
| 22.5° | 1040.7 | 1041.2 | 1021.4 | 998.3 | 986.5 | *989.8* | 991.2 | 996.4 | 1000.2 | 1004.0 | 1012.4 |
| 25° | 1066.7 | 1065.7 | 1042.2 | 1010.6 | 1000.2 | *1004.9* | 1008.2 | 1010.1 | 1014.3 | 1020.5 | 1039.8 |
| 27.5° | 1105.3 | 1102.5 | 1072.3 | 1030.4 | 1018.1 | *1022.3* | 1028.5 | 1027.5 | 1025.6 | 1030.4 | 1062.9 |
| 30° | 1154.4 | 1150.6 | 1110.5 | 1058.2 | 1046.9 | *1050.6* | 1052.5 | 1044.0 | 1030.4 | 1034.6 | 1083.2 |
| 32.5° | 1232.2 | 1225.6 | 1169.9 | 1089.3 | 1071.9 | *1076.1* | 1073.7 | 1056.3 | 1036.0 | 1040.3 | 1103.5 |
| 35° | 1367.5 | 1351.5 | 1272.7 | 1154.4 | 1100.2 | *1095.4* | 1089.8 | 1072.8 | 1047.8 | 1043.6 | 1120.4 |
| 37.5° | 1655.2 | 1626.9 | 1492.5 | 1281.2 | 1164.3 | *1133.6* | 1116.2 | 1099.2 | 1060.5 | 1043.6 | 1139.8 |
| 40° | 1979.6 | 1950.9 | 1795.7 | 1493.4 | 1270.9 | *1219.0* | 1177.5 | 1130.3 | 1073.7 | 1049.7 | 1169.9 |
| 42.5° | 2318.2 | 2286.6 | 2127.2 | 1756.6 | 1423.2 | *1316.6* | 1239.3 | 1155.3 | 1095.4 | 1068.6 | 1210.0 |
| 45° | 2696.4 | 2656.8 | 2448.4 | 2031.0 | 1644.3 | *1478.8* | 1338.8 | 1206.7 | 1133.2 | 1102.0 | 1264.7 |
| 47.5° | 3095.3 | 3043.9 | 2768.5 | 2297.5 | 1882.5 | *1703.3* | 1520.8 | 1298.7 | 1188.8 | 1152.0 | 1338.8 |
| 50° | 3449.0 | 3398.1 | 3099.1 | 2576.1 | 2105.1 | *1916.9* | 1728.3 | 1426.0 | 1272.3 | 1222.8 | 1438.3 |
| 52.5° | 3703.2 | 3664.5 | 3400.0 | 2863.8 | 2336.6 | *2117.3* | 1916.4 | 1574.1 | 1377.9 | 1313.3 | 1555.7 |
| 55° | 3873.4 | 3838.0 | 3613.1 | 3136.4 | 2605.9 | *2338.0* | 2101.8 | 1734.9 | 1505.2 | 1421.8 | 1685.4 |
| 57.5° | 3976.7 | 3956.4 | 3767.3 | 3379.7 | 2872.8 | *2579.4* | 2314.0 | 1911.7 | 1655.2 | 1549.6 | 1830.1 |
| 60° | 4013.5 | 3997.0 | 3863.0 | 3611.7 | 3195.3 | *2869.5* | 2563.4 | 2111.2 | 1837.2 | 1694.8 | 1978.7 |
| 62.5° | 3915.4 | 3918.7 | 3931.9 | 3886.6 | 3535.3 | *3209.0* | 2862.4 | 2350.7 | 2039.0 | 1859.4 | 2118.3 |
| 65° | 3453.7 | 3481.1 | 3731.9 | 4191.2 | 3985.6 | *3634.3* | 3242.9 | 2643.1 | 2270.1 | 2046.6 | 2229.1 |
| 67.5° | 2859.6 | 2899.2 | 3211.3 | 4369.5 | 4465.7 | *4186.5* | 3773.0 | 3015.6 | 2545.5 | 2237.1 | 2271.0 |
| 70° | 2189.0 | 2231.4 | 2609.6 | 4332.2 | 4915.1 | *4790.1* | 4428.4 | 3489.6 | 2830.8 | 2369.1 | 2164.0 |
| 72.5° | *1562.3* | *1584.0* | *1882.0* | *4000.7* | *5099.5* | *5201.3* | *4911.3* | *3938.5* | *2976.5* | *2296.0* | *1765.1* |
| 75° | 1097.8 | 1094.0 | 1291.6 | 3221.7 | 4812.3 | *5151.4* | 4742.0 | 3695.6 | 2693.6 | 1824.0 | 1088.4 |
| 77.5° | 478.2 | 479.1 | 645.1 | 1956.5 | 3840.9 | *4399.7* | 3941.8 | 2314.9 | 1877.8 | 966.7 | 459.3 |
| 80° | 124.0 | 127.8 | 236.7 | 779.0 | 2312.5 | *2903.9* | 2404.0 | 1017.6 | 867.7 | 235.8 | 87.7 |
| 82.5° | 43.9 | 46.7 | 108.9 | 244.7 | 853.1 | *1331.7* | 1070.4 | 325.4 | 226.4 | 67.4 | 23.6 |
| 85° | 12.7 | 15.1 | 58.5 | 75.0 | 176.4 | *376.3* | 259.8 | 63.2 | 55.6 | 34.9 | 6.1 |
| 87.5° | 0.0 | 1.9 | 11.8 | 10.4 | 10.4 | *7.1* | 13.2 | 7.1 | 9.0 | 4.2 | 1.9 |
| 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° | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 | 829.0 |
| 2.5° | 833.3 | 830.0 | 822.9 | 815.3 | 808.3 | 801.7 | 799.8 | 792.7 | 789.4 | 789.9 | 789.4 |
| 5° | 837.5 | 831.4 | 817.7 | 801.2 | 784.2 | 764.9 | 748.8 | 726.2 | 706.9 | 704.5 | 703.1 |
| 7.5° | 848.8 | 838.9 | 816.7 | 784.7 | 742.2 | 689.0 | 639.4 | 590.4 | 562.6 | 547.5 | 546.5 |
| 10° | 866.3 | 853.1 | 819.1 | 757.8 | 667.7 | 572.5 | 497.5 | 435.7 | 404.1 | 389.5 | 386.7 |
| 12.5° | 887.0 | 872.4 | 822.9 | 712.1 | 571.5 | 446.6 | 365.5 | 327.7 | 321.1 | 320.2 | 319.7 |
| 15° | 916.2 | 900.2 | 827.1 | 650.3 | 467.3 | 340.0 | 302.7 | 303.2 | 308.4 | 311.2 | 310.8 |
| 17.5° | 948.8 | 932.8 | 821.0 | 574.8 | 364.5 | 290.5 | 289.5 | 293.8 | 301.3 | 304.2 | 303.7 |
| 20° | 981.8 | 966.7 | 799.3 | 486.2 | 294.7 | 276.8 | 280.6 | 285.3 | 292.8 | 296.6 | 296.6 |
| 22.5° | 1015.7 | 1002.5 | 764.9 | 391.9 | 266.0 | 266.9 | 271.6 | 276.3 | 284.8 | 289.1 | 289.1 |
| 25° | 1052.1 | 1040.7 | 719.1 | 314.1 | 253.7 | 256.5 | 262.7 | 268.3 | 277.3 | 282.5 | 282.5 |
| 27.5° | 1088.8 | 1080.4 | 667.3 | 262.2 | 242.4 | 245.7 | 252.8 | 260.3 | 269.3 | 275.4 | 275.9 |
| 30° | 1128.9 | 1124.2 | 625.8 | 242.9 | 231.5 | 234.4 | 242.4 | 250.9 | 260.8 | 268.3 | 269.3 |
| 32.5° | 1169.9 | 1169.0 | 605.5 | 257.0 | 221.6 | 223.5 | 230.6 | 239.1 | 251.3 | 260.8 | 261.7 |
| 35° | 1210.5 | 1212.4 | 593.7 | 297.1 | 218.3 | 213.1 | 217.9 | 225.4 | 240.0 | 251.8 | 253.7 |
| 37.5° | 1262.4 | 1267.1 | 593.2 | 340.5 | 226.4 | 202.8 | 206.1 | 211.3 | 224.0 | 237.7 | 240.0 |
| 40° | 1339.7 | 1364.7 | 623.4 | 377.7 | 240.5 | 193.3 | 194.3 | 195.2 | 201.8 | 213.1 | 216.9 |
| 42.5° | 1442.5 | 1515.6 | 732.3 | 403.2 | 246.2 | 184.9 | 181.6 | 176.4 | 175.4 | 181.6 | 184.9 |
| 45° | 1570.3 | 1698.1 | 923.8 | 417.3 | 240.5 | 175.4 | 166.5 | 152.8 | 147.6 | 151.8 | 151.8 |
| 47.5° | 1720.7 | 1898.0 | 1150.6 | 420.6 | 231.1 | 163.6 | 147.6 | 129.7 | 125.4 | 126.9 | 126.4 |
| 50° | 1867.4 | 2048.0 | 1350.1 | 393.3 | 215.5 | 148.5 | 126.9 | 111.8 | 108.9 | 109.4 | 109.4 |
| 52.5° | 1997.1 | 2099.4 | 1406.7 | 328.7 | 194.8 | 130.2 | 108.9 | 98.6 | 96.7 | 96.7 | 96.2 |
| 55° | 2082.9 | 2043.8 | 1254.4 | 251.3 | 168.8 | 111.3 | 93.4 | 88.2 | 87.2 | 86.8 | 85.8 |
| 57.5° | 2100.8 | 1862.7 | 947.4 | 181.6 | 132.0 | 93.8 | 83.0 | 80.2 | 78.3 | 76.4 | 75.5 |
| 60° | 2036.7 | 1560.9 | 603.1 | 126.9 | 99.0 | 80.2 | 73.6 | 71.7 | 67.9 | 64.1 | 62.7 |
| 62.5° | 1898.0 | 1178.9 | 333.9 | 88.2 | 79.7 | 68.4 | 65.1 | 62.7 | 55.6 | 49.5 | 47.6 |
| 65° | 1711.8 | 783.7 | 147.6 | 68.8 | 65.1 | 57.5 | 55.6 | 52.3 | 43.9 | 36.8 | 35.4 |
| 67.5° | 1524.6 | 451.3 | 66.5 | 55.2 | 52.3 | 47.2 | 45.7 | 43.4 | 37.3 | 30.7 | 29.7 |
| 70° | 1310.9 | 228.7 | 45.7 | 43.9 | 40.6 | 35.8 | 37.3 | 36.8 | 30.7 | 25.0 | 24.0 |
| 72.5° | *976.1* | *113.6* | *34.4* | *33.0* | *29.2* | *25.5* | *30.7* | *30.2* | *24.0* | *18.9* | *17.9* |
| 75° | 552.7 | 56.1 | 25.0 | 23.1 | 17.4 | 18.9 | 24.5 | 23.1 | 16.5 | 12.3 | 11.3 |
| 77.5° | 219.3 | 28.8 | 16.5 | 14.1 | 10.4 | 12.7 | 17.9 | 15.6 | 8.5 | 5.2 | 4.7 |
| 80° | 50.5 | 14.1 | 8.5 | 6.1 | 4.7 | 7.5 | 9.4 | 5.7 | 2.4 | 0.5 | 0.0 |
| 82.5° | 14.1 | 6.1 | 2.8 | 2.4 | 2.4 | 2.8 | 2.4 | 0.9 | 0.0 | 0.0 | 0.0 |
| 85° | 4.7 | 2.8 | 0.9 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.9 | 0.9 | 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)