Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1202266

Luminaire Tested: GWC-SB1D-735-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1202266 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1D-735-U-T4W-HSS |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7880 lumens |
| Efficiency: | N/A |
| Efficacy: | 99.0 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 79.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.638 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.997 |
| Total Harmonic Distortion (THDi): | 6.673 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

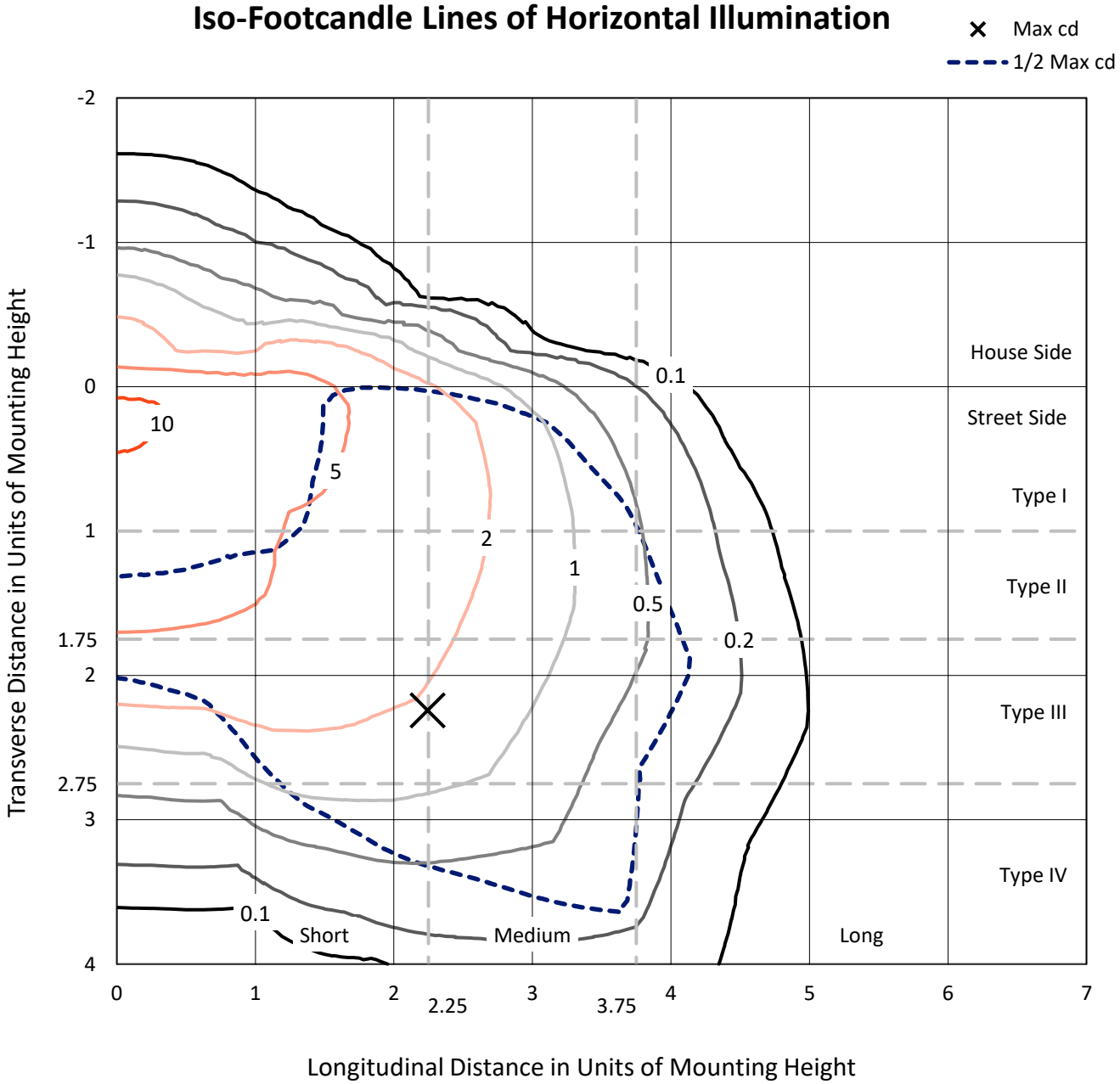


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## Iso-Footcandle Lines of Horizontal Illumination



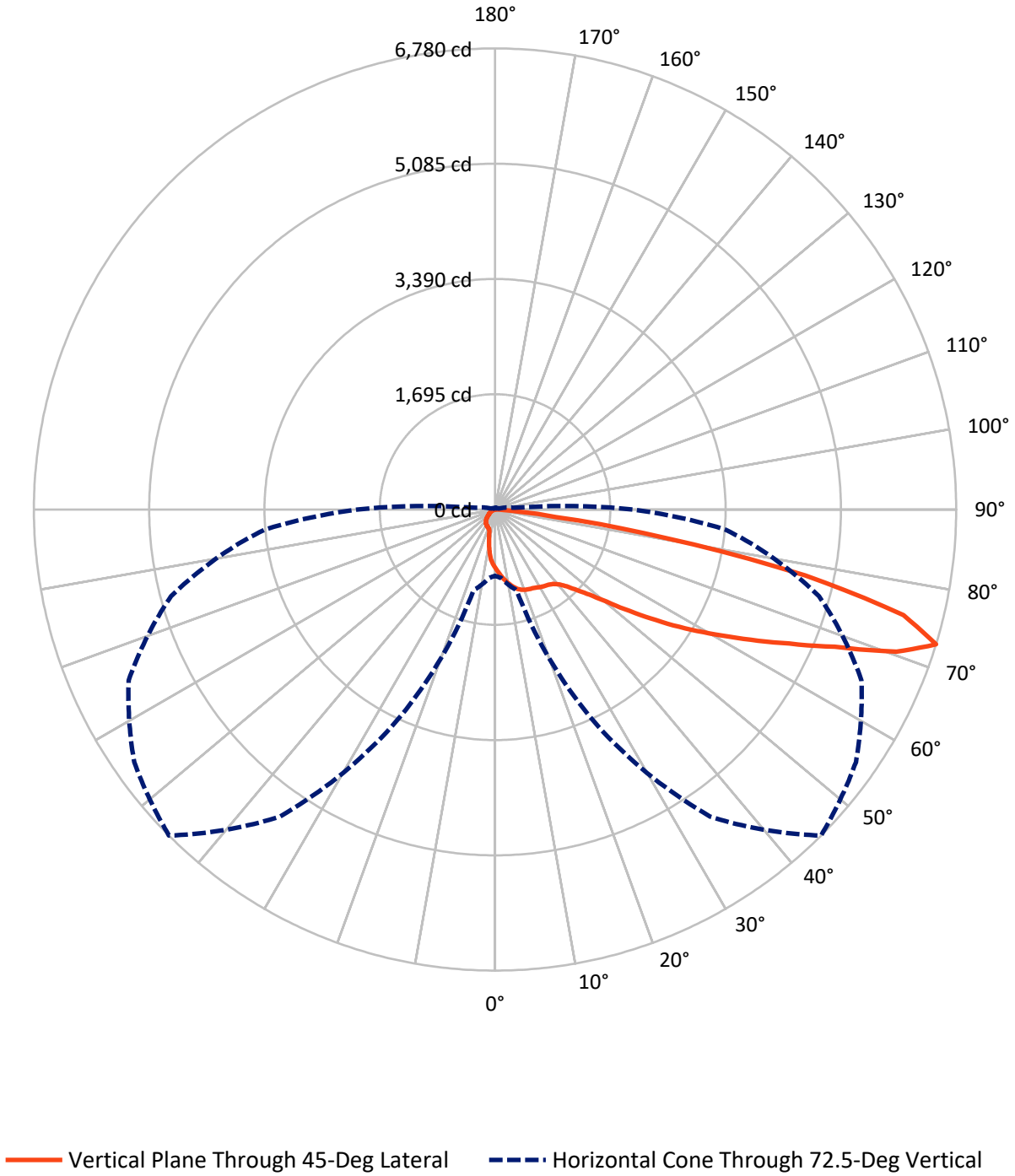

Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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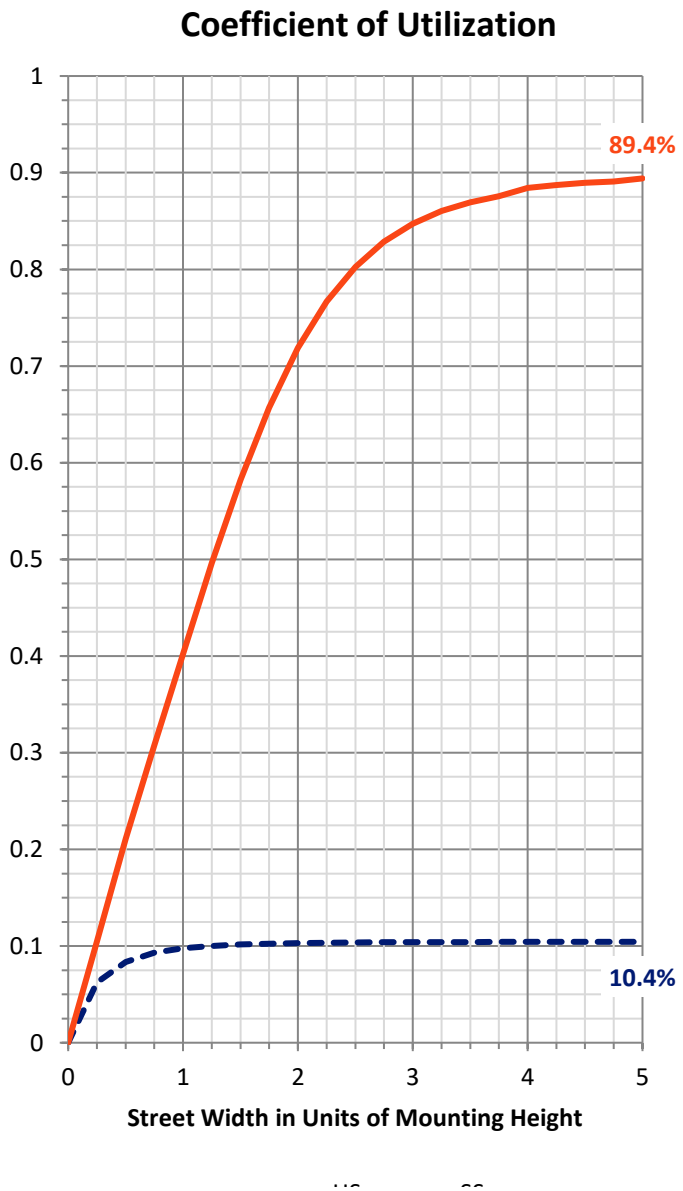
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 828.0 | 0.0 | 828.0 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| **Street Side** | Lumens | 7052.0 | 0.0 | 7052.0 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| **Total** | Lumens | 7880.0 | 0.0 | 7880.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 81.3 | 1.0 |
| 10°-20° | 237.7 | 3.0 |
| 20°-30° | 390.4 | 5.0 |
| 30°-40° | 553.6 | 7.0 |
| 40°-50° | 915.1 | 11.6 |
| 50°-60° | 1643.9 | 20.9 |
| 60°-70° | 2282.6 | 29.0 |
| 70°-80° | 1655.7 | 21.0 |
| 80°-90° | 119.7 | 1.5 |
| 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° | 7880.0 | 100.0 |
| 0°-180° | 7880.0 | 100.0 |



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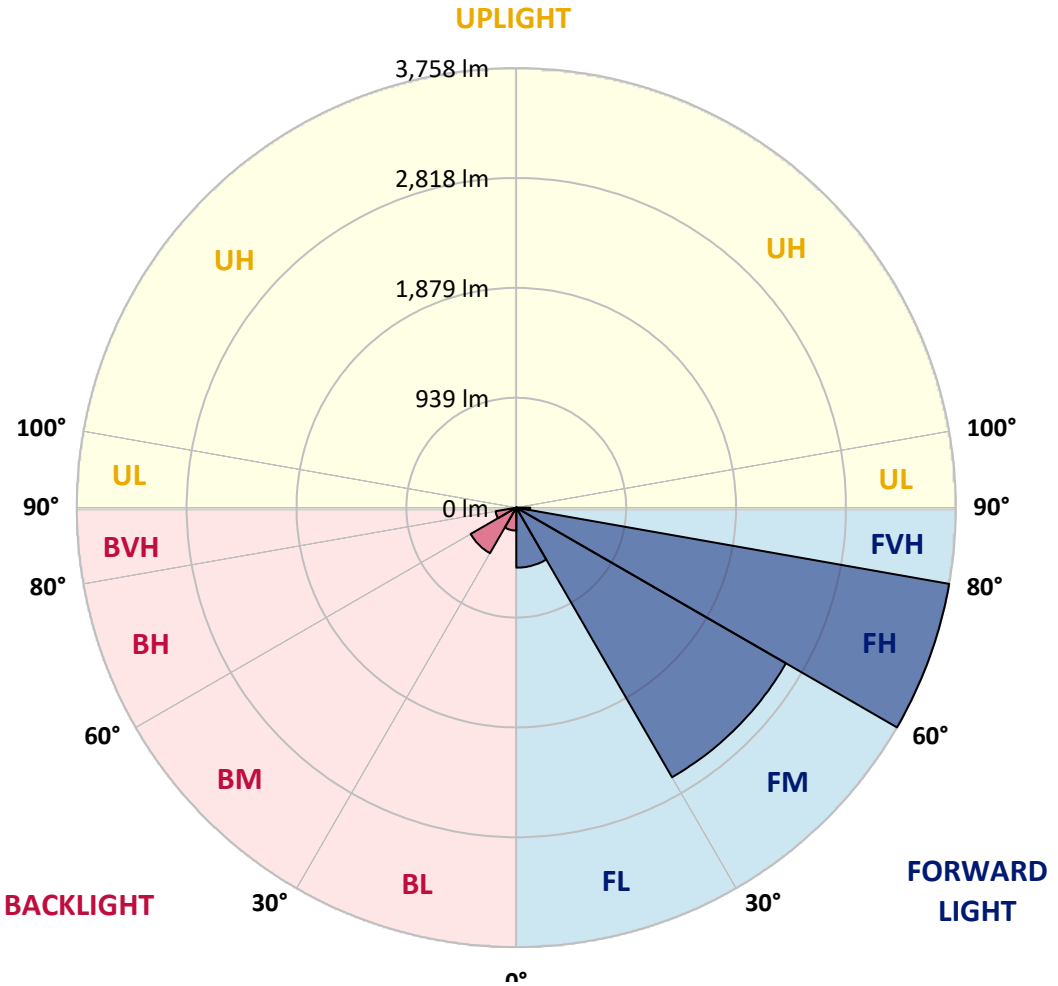
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 513.3 | 6.5 | | | |
| FM | (30°-60°) | 2662.3 | 33.8 | | | |
| FH | (60°-80°) | 3757.7 | 47.7 | | | G2/5000 |
| FVH | (80°-90°) | 118.7 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 196.1 | 2.5 | B1/500 | | |
| BM | (30°-60°) | 450.3 | 5.7 | B1/1000 | | |
| BH | (60°-80°) | 180.5 | 2.3 | 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° | 45° | 46° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | *863.3* | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 |
| 2.5° | 942.9 | 944.5 | 943.4 | 937.0 | 926.2 | *920.3* | 917.1 | 906.3 | 899.3 | 886.9 | 874.0 |
| 5° | 1029.5 | 1035.9 | 1032.2 | 1019.3 | 998.8 | *984.3* | 980.0 | 957.9 | 938.0 | 914.9 | 888.0 |
| 7.5° | 1121.4 | 1124.7 | 1117.7 | 1101.0 | 1073.6 | *1048.8* | 1045.1 | 1014.4 | 982.7 | 947.2 | 910.6 |
| 10° | 1201.0 | 1204.8 | 1194.1 | 1169.9 | 1138.7 | *1108.0* | 1102.6 | 1068.7 | 1031.1 | 987.5 | 940.7 |
| 12.5° | 1267.7 | 1271.5 | 1257.5 | 1228.5 | 1194.1 | *1162.3* | 1156.9 | 1121.4 | 1080.0 | 1031.6 | 973.5 |
| 15° | 1318.3 | 1325.3 | 1306.5 | 1275.3 | 1238.2 | *1206.4* | 1203.7 | 1168.8 | 1128.4 | 1074.7 | 1012.8 |
| 17.5° | 1347.9 | 1354.9 | 1337.1 | 1299.5 | 1267.7 | *1240.9* | 1237.6 | 1208.6 | 1170.9 | 1119.3 | 1051.0 |
| 20° | 1352.7 | 1359.2 | 1340.4 | 1307.5 | 1281.2 | *1259.7* | 1258.1 | 1237.1 | 1209.7 | 1160.2 | 1092.4 |
| 22.5° | 1338.2 | 1346.3 | 1329.1 | 1302.7 | 1284.4 | *1273.1* | 1271.0 | 1259.1 | 1243.5 | 1201.6 | 1131.1 |
| 25° | 1323.1 | 1329.6 | 1316.7 | 1293.6 | 1283.9 | *1282.8* | 1284.4 | 1282.3 | 1279.0 | 1243.5 | 1176.3 |
| 27.5° | 1322.1 | 1329.1 | 1314.5 | 1292.5 | 1287.1 | *1298.4* | 1300.0 | 1310.2 | 1312.9 | 1281.7 | 1219.9 |
| 30° | 1331.2 | 1336.1 | 1322.1 | 1298.9 | 1296.3 | *1322.1* | 1322.6 | 1340.9 | 1345.2 | 1314.0 | 1262.9 |
| 32.5° | 1351.1 | 1356.5 | 1342.5 | 1308.6 | 1304.9 | *1340.9* | 1342.5 | 1366.7 | 1373.7 | 1348.4 | 1308.1 |
| 35° | 1397.9 | 1404.4 | 1388.2 | 1335.5 | 1322.1 | *1358.6* | 1363.5 | 1392.0 | 1406.0 | 1385.0 | 1354.9 |
| 37.5° | 1514.6 | 1495.8 | 1473.7 | 1389.8 | 1361.3 | *1386.6* | 1394.7 | 1428.0 | 1452.8 | 1428.6 | 1410.8 |
| 40° | 1804.5 | 1745.4 | 1676.5 | 1482.4 | 1430.2 | *1446.3* | 1452.8 | 1486.1 | 1520.0 | 1496.3 | 1487.7 |
| 42.5° | 2239.7 | 2169.7 | 2058.9 | 1695.3 | 1534.0 | *1542.1* | 1546.9 | 1575.9 | 1623.8 | 1605.0 | 1607.1 |
| 45° | 2627.5 | 2602.2 | 2489.2 | 2058.9 | 1728.2 | *1688.4* | 1694.3 | 1709.3 | 1779.8 | 1772.8 | 1786.8 |
| 47.5° | 2925.4 | 2910.9 | 2823.8 | 2476.3 | 2056.3 | *1867.5* | 1884.1 | 1891.1 | 1992.8 | 2017.5 | 2055.2 |
| 50° | 3154.6 | 3149.2 | 3071.2 | 2847.4 | 2484.9 | *2131.6* | 2137.5 | 2122.4 | 2274.6 | 2335.9 | 2407.5 |
| 52.5° | 3370.8 | 3389.1 | 3331.5 | 3192.2 | 2942.7 | *2477.4* | 2476.3 | 2405.3 | 2610.8 | 2703.3 | 2825.4 |
| 55° | 3566.0 | 3572.5 | 3578.4 | 3544.0 | 3403.1 | *2871.1* | 2860.9 | 2744.7 | 3000.7 | 3096.5 | 3228.8 |
| 57.5° | 3749.4 | 3752.1 | 3804.8 | 3875.3 | 3882.3 | *3293.9* | 3275.1 | 3135.7 | 3426.7 | 3495.0 | 3576.3 |
| 60° | 3872.6 | 3885.0 | 3996.3 | 4192.1 | 4277.6 | *3730.1* | 3719.9 | 3577.9 | 3860.2 | 3892.0 | 3876.9 |
| 62.5° | 3695.1 | 3770.4 | 4051.2 | 4439.5 | 4650.9 | *4213.6* | 4208.8 | 4075.4 | 4316.4 | 4290.5 | 4161.4 |
| 65° | 2991.1 | 3118.5 | 3612.3 | 4606.8 | 5017.2 | *4753.6* | 4760.6 | 4618.6 | 4784.8 | 4700.9 | 4392.7 |
| 67.5° | 2092.3 | 2226.8 | 2810.9 | 4620.2 | 5426.5 | *5387.8* | 5428.1 | 5205.4 | 5282.4 | 5094.1 | 4447.6 |
| 70° | 1446.9 | 1516.2 | 1896.5 | 4330.9 | 5745.5 | *6261.3* | 6260.2 | 5926.2 | 5777.2 | 5273.2 | 4167.9 |
| 72.5° | *973.0* | *1009.0* | *1231.7* | *3435.9* | *5510.9* | *6780.3* | *6749.1* | *6477.0* | *5943.9* | *4931.7* | *3405.2* |
| 75° | 410.4 | 436.7 | 570.1 | 1930.9 | 4359.9 | *6203.2* | 6118.7 | 5723.9 | 5281.3 | 3883.4 | 2124.6 |
| 77.5° | 130.2 | 141.5 | 224.8 | 691.2 | 2401.6 | *4662.7* | 4573.5 | 3574.6 | 3539.7 | 1948.1 | 776.7 |
| 80° | 61.9 | 72.1 | 126.4 | 277.5 | 945.0 | *2536.0* | 2523.7 | 1621.7 | 1522.7 | 526.0 | 156.0 |
| 82.5° | 26.9 | 31.7 | 69.9 | 148.5 | 422.8 | *904.7* | 923.0 | 551.8 | 456.6 | 199.5 | 47.9 |
| 85° | 8.6 | 11.3 | 32.3 | 68.3 | 178.6 | *224.8* | 222.1 | 131.2 | 183.9 | 108.6 | 16.7 |
| 87.5° | 0.0 | 0.0 | 10.8 | 15.6 | 18.3 | *12.9* | 14.5 | 11.3 | 51.1 | 30.1 | 5.9 |
| 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° | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 | 863.3 |
| 2.5° | 867.6 | 859.0 | 843.9 | 829.9 | 817.6 | 805.2 | 797.7 | 786.9 | 785.8 | 785.8 | 788.5 |
| 5° | 873.5 | 859.5 | 832.6 | 804.1 | 771.3 | 740.1 | 708.9 | 678.8 | 669.1 | 662.1 | 665.3 |
| 7.5° | 890.7 | 868.6 | 826.2 | 771.8 | 709.4 | 641.1 | 593.3 | 541.6 | 521.7 | 511.0 | 512.6 |
| 10° | 915.4 | 885.3 | 820.8 | 725.6 | 624.5 | 531.4 | 463.1 | 407.2 | 385.6 | 376.5 | 376.5 |
| 12.5° | 942.9 | 905.8 | 811.1 | 668.0 | 531.4 | 420.1 | 353.4 | 327.6 | 324.3 | 324.3 | 324.3 |
| 15° | 975.7 | 930.5 | 794.4 | 600.3 | 434.1 | 332.4 | 308.7 | 309.8 | 313.0 | 315.2 | 315.2 |
| 17.5° | 1009.6 | 956.9 | 768.1 | 524.4 | 348.0 | 299.1 | 299.6 | 301.2 | 303.9 | 306.0 | 306.0 |
| 20° | 1046.1 | 983.2 | 733.1 | 443.7 | 298.5 | 289.4 | 291.0 | 292.6 | 294.7 | 295.8 | 296.4 |
| 22.5° | 1085.4 | 1008.0 | 691.7 | 364.7 | 281.8 | 281.3 | 281.8 | 283.5 | 286.1 | 286.1 | 287.2 |
| 25° | 1127.4 | 1035.4 | 644.4 | 307.1 | 273.2 | 273.2 | 274.3 | 275.4 | 277.5 | 277.5 | 278.1 |
| 27.5° | 1170.4 | 1060.7 | 594.3 | 277.0 | 265.7 | 265.2 | 265.2 | 266.8 | 267.9 | 268.4 | 268.9 |
| 30° | 1217.7 | 1090.2 | 544.3 | 270.5 | 259.8 | 257.1 | 255.5 | 256.6 | 257.6 | 258.2 | 259.3 |
| 32.5° | 1266.1 | 1118.8 | 499.7 | 273.2 | 253.9 | 249.0 | 243.7 | 242.6 | 242.6 | 244.7 | 246.3 |
| 35° | 1319.9 | 1150.0 | 465.3 | 282.4 | 250.6 | 237.2 | 228.6 | 223.8 | 224.3 | 227.5 | 229.1 |
| 37.5° | 1384.5 | 1187.6 | 440.0 | 290.4 | 248.5 | 223.8 | 209.8 | 203.9 | 200.1 | 203.9 | 202.8 |
| 40° | 1468.9 | 1243.0 | 421.7 | 296.9 | 245.8 | 208.2 | 189.3 | 179.6 | 172.7 | 174.8 | 173.7 |
| 42.5° | 1593.2 | 1330.1 | 414.7 | 297.4 | 239.9 | 189.9 | 168.4 | 155.4 | 145.2 | 145.8 | 143.6 |
| 45° | 1767.4 | 1467.8 | 450.7 | 290.4 | 227.0 | 170.0 | 146.3 | 129.1 | 122.6 | 121.0 | 118.9 |
| 47.5° | 2006.2 | 1668.5 | 534.1 | 275.9 | 208.2 | 150.6 | 124.8 | 110.3 | 105.4 | 102.7 | 101.1 |
| 50° | 2326.3 | 1926.1 | 626.6 | 259.8 | 189.3 | 132.3 | 107.0 | 97.9 | 94.7 | 92.0 | 91.4 |
| 52.5° | 2697.4 | 2187.5 | 702.4 | 243.7 | 170.5 | 116.2 | 95.7 | 90.4 | 87.7 | 85.5 | 85.0 |
| 55° | 3037.9 | 2367.7 | 698.1 | 226.4 | 152.2 | 103.3 | 87.7 | 84.4 | 81.2 | 79.1 | 78.0 |
| 57.5° | 3249.8 | 2393.0 | 575.5 | 207.6 | 131.2 | 93.1 | 80.1 | 78.0 | 74.2 | 71.5 | 71.0 |
| 60° | 3347.1 | 2248.8 | 403.4 | 182.9 | 110.3 | 83.4 | 72.1 | 71.0 | 66.2 | 62.4 | 61.3 |
| 62.5° | 3364.9 | 1981.0 | 268.9 | 152.2 | 92.0 | 74.2 | 64.0 | 62.4 | 55.9 | 49.5 | 46.3 |
| 65° | 3292.8 | 1598.0 | 186.1 | 118.9 | 78.5 | 64.5 | 54.9 | 51.6 | 44.6 | 38.2 | 36.0 |
| 67.5° | 3064.7 | 1122.0 | 129.6 | 85.5 | 66.7 | 51.1 | 43.6 | 42.5 | 37.1 | 31.7 | 30.1 |
| 70° | 2646.8 | 639.5 | 86.6 | 64.0 | 52.7 | 35.0 | 34.4 | 35.5 | 30.1 | 25.8 | 23.7 |
| 72.5° | *2029.4* | *292.6* | *53.8* | *46.8* | *36.0* | *23.7* | *27.4* | *28.0* | *23.1* | *19.4* | *17.2* |
| 75° | 1194.6 | 125.3 | 33.9 | 30.1 | 18.3 | 15.6 | 19.9 | 20.4 | 15.6 | 12.4 | 10.8 |
| 77.5° | 406.6 | 47.3 | 21.5 | 17.7 | 9.1 | 8.6 | 12.9 | 12.9 | 8.6 | 4.8 | 3.8 |
| 80° | 92.5 | 17.7 | 10.8 | 7.0 | 4.3 | 3.8 | 4.3 | 3.8 | 2.2 | 0.5 | 0.0 |
| 82.5° | 26.4 | 7.0 | 4.3 | 2.7 | 1.6 | 1.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 7.5 | 3.2 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.2 | 0.5 | 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)