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: P1199360

Luminaire Tested: GPC-SB2A-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: | P1199360 |
| | 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-SB2A-827-U-SL4-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 80 CRI, 2700K, 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: | 5444 lumens |
| Efficiency: | N/A |
| Efficacy: | 95.0 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 |

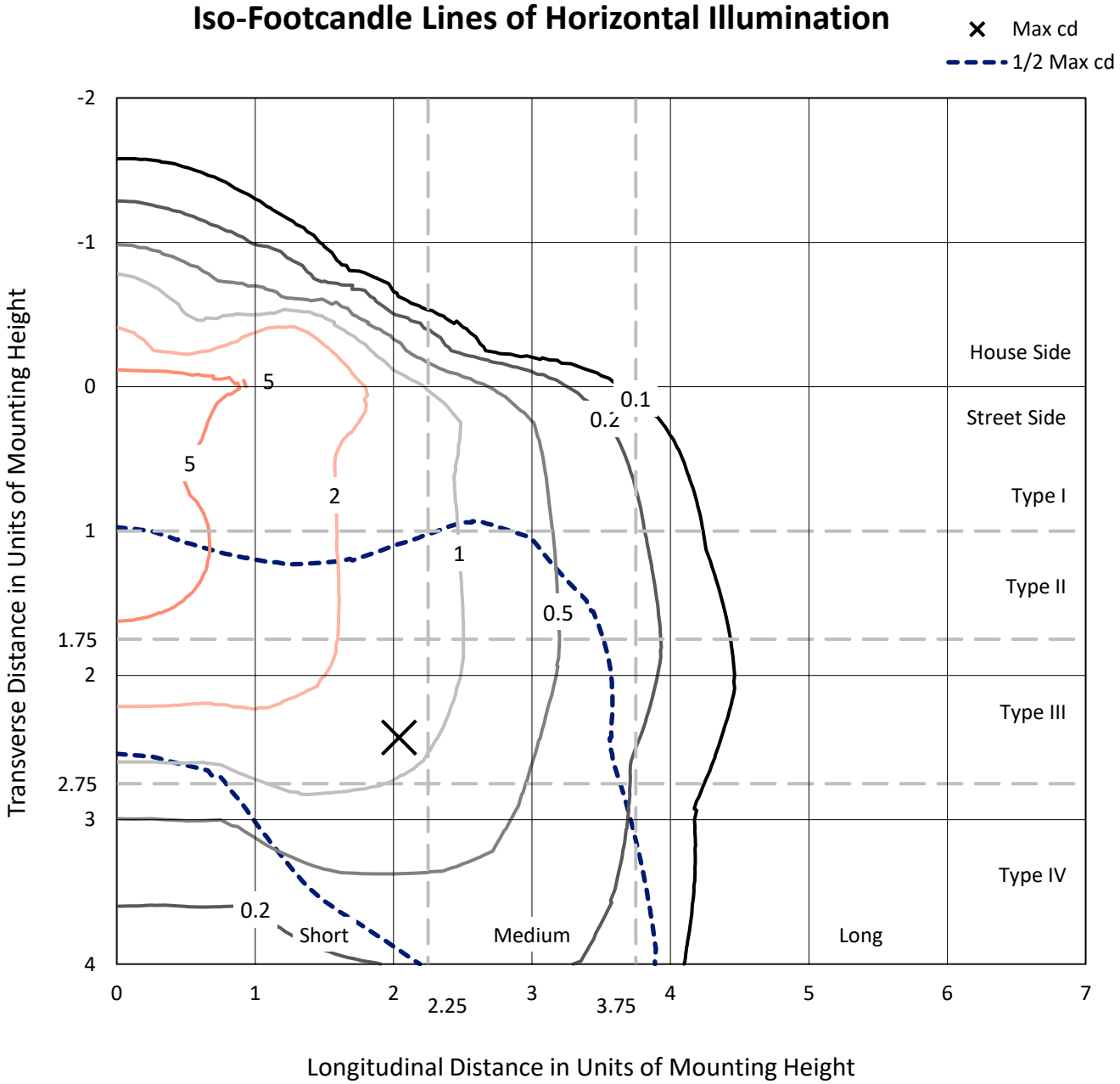


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## Iso-Footcandle Lines of Horizontal Illumination



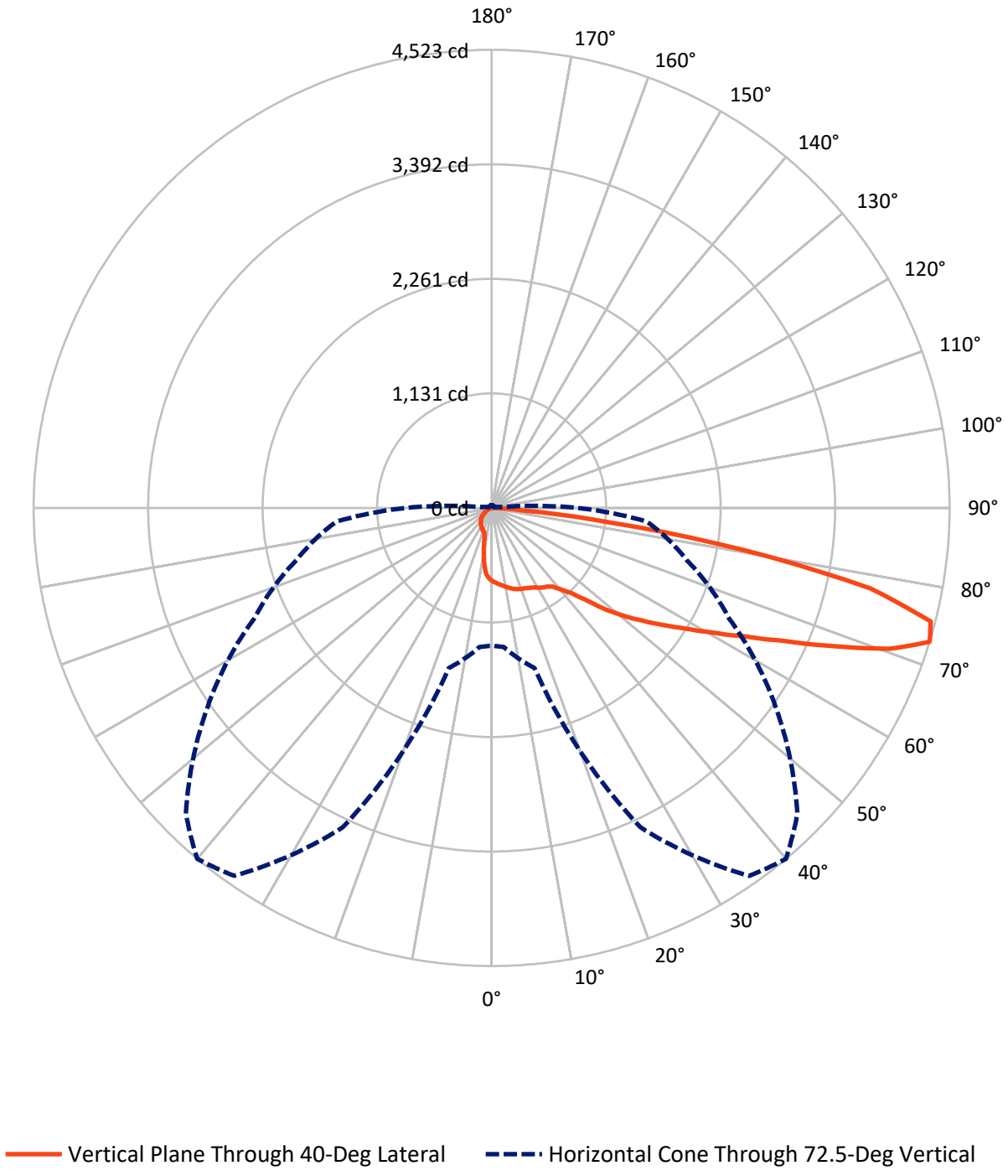

Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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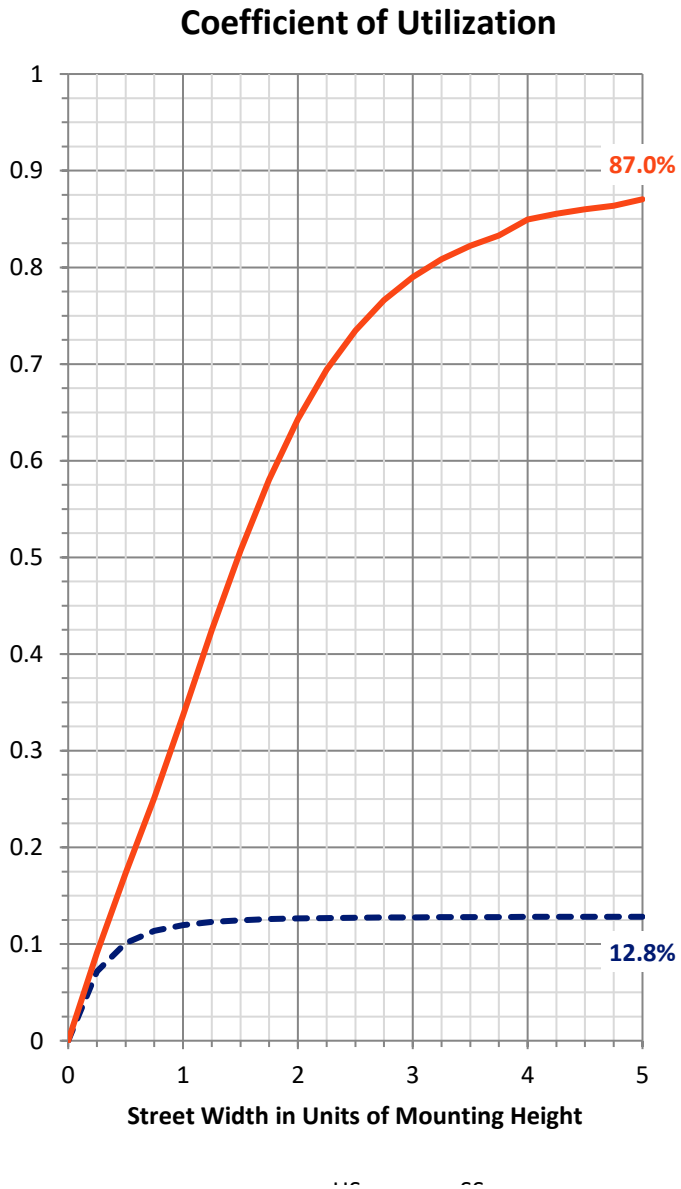
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 703.0 | 0.0 | 703.0 |
| | % Fixture | 12.9 | 0.0 | 12.9 |
| **Street Side** | Lumens | 4741.0 | 0.0 | 4741.0 |
| | % Fixture | 87.1 | 0.0 | 87.1 |
| **Total** | Lumens | 5444.0 | 0.0 | 5444.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 65.8 | 1.2 |
| 10°-20° | 178.8 | 3.3 |
| 20°-30° | 289.3 | 5.3 |
| 30°-40° | 427.1 | 7.8 |
| 40°-50° | 718.8 | 13.2 |
| 50°-60° | 1116.1 | 20.5 |
| 60°-70° | 1396.5 | 25.7 |
| 70°-80° | 1143.3 | 21.0 |
| 80°-90° | 108.4 | 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° | 5444.0 | 100.0 |
| 0°-180° | 5444.0 | 100.0 |



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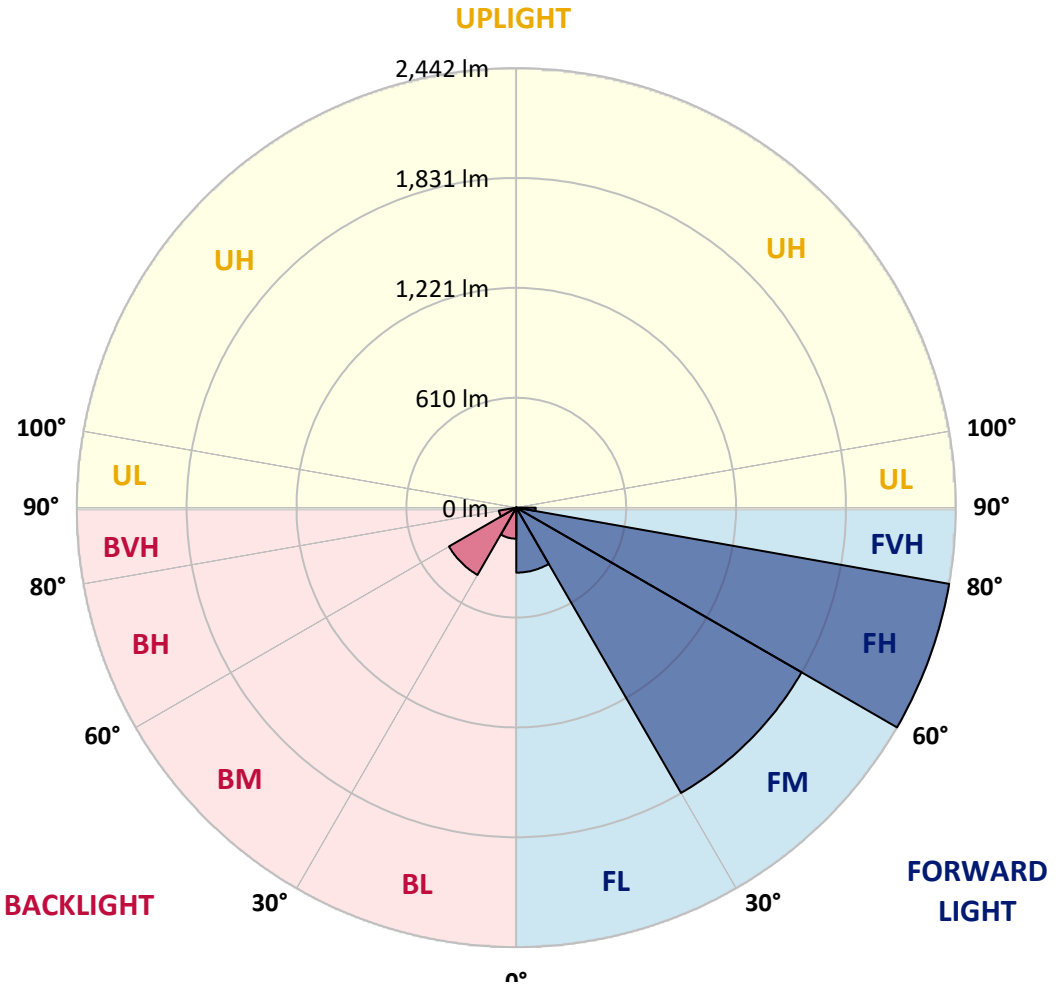
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 361.3 | 6.6 | | | |
| FM | (30°-60°) | 1830.2 | 33.6 | | | |
| FH | (60°-80°) | 2441.9 | 44.9 | | | G2/5000 |
| FVH | (80°-90°) | 107.6 | 2.0 | | | G2/225 |
| BL | (0°-30°) | 172.6 | 3.2 | B1/500 | | |
| BM | (30°-60°) | 431.7 | 7.9 | B1/1000 | | |
| BH | (60°-80°) | 97.9 | 1.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.8 | 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° | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | *720.8* | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 |
| 2.5° | 742.6 | 745.4 | 743.8 | 740.5 | 739.7 | *738.1* | 736.0 | 735.2 | 732.3 | 729.9 | 727.0 |
| 5° | 763.5 | 766.3 | 764.3 | 759.8 | 757.7 | *755.7* | 752.8 | 750.4 | 744.6 | 739.3 | 732.7 |
| 7.5° | 786.4 | 788.9 | 786.4 | 779.9 | 776.6 | *774.1* | 770.0 | 766.3 | 759.8 | 752.0 | 743.8 |
| 10° | 811.9 | 813.9 | 810.2 | 801.6 | 796.3 | *792.6* | 788.9 | 784.8 | 778.6 | 770.0 | 760.2 |
| 12.5° | 835.6 | 838.1 | 832.4 | 822.1 | 816.0 | *812.3* | 808.2 | 804.9 | 798.7 | 790.5 | 780.3 |
| 15° | 857.4 | 861.1 | 851.2 | 840.1 | 833.2 | *830.3* | 826.2 | 824.2 | 820.1 | 814.3 | 804.9 |
| 17.5° | 873.8 | 876.2 | 866.0 | 852.9 | 845.1 | *843.0* | 840.1 | 841.4 | 840.6 | 837.7 | 831.5 |
| 20° | 887.7 | 889.4 | 875.8 | 859.8 | 851.2 | *851.6* | 850.8 | 854.9 | 856.5 | 856.5 | 856.1 |
| 22.5° | 904.9 | 905.3 | 888.1 | 868.0 | 857.8 | *860.6* | 861.9 | 866.4 | 869.7 | 873.0 | 880.3 |
| 25° | 927.5 | 926.7 | 906.2 | 878.7 | 869.7 | *873.8* | 876.6 | 878.3 | 882.0 | 887.3 | 904.1 |
| 27.5° | 961.1 | 958.6 | 932.4 | 895.9 | 885.3 | *888.9* | 894.3 | 893.5 | 891.8 | 895.9 | 924.2 |
| 30° | 1003.7 | 1000.5 | 965.6 | 920.1 | 910.3 | *913.5* | 915.2 | 907.8 | 895.9 | 899.6 | 941.8 |
| 32.5° | 1071.4 | 1065.7 | 1017.3 | 947.2 | 932.0 | *935.7* | 933.6 | 918.5 | 900.8 | 904.5 | 959.5 |
| 35° | 1189.1 | 1175.1 | 1106.7 | 1003.7 | 956.6 | *952.5* | 947.6 | 932.8 | 911.1 | 907.4 | 974.2 |
| 37.5° | 1439.2 | 1414.6 | 1297.7 | 1114.0 | 1012.4 | *985.7* | 970.5 | 955.8 | 922.2 | 907.4 | 991.0 |
| 40° | 1721.3 | 1696.3 | 1561.4 | 1298.6 | 1105.0 | *1059.9* | 1023.8 | 982.8 | 933.6 | 912.7 | 1017.3 |
| 42.5° | 2015.7 | 1988.2 | 1849.6 | 1527.4 | 1237.5 | *1144.8* | 1077.6 | 1004.6 | 952.5 | 929.1 | 1052.1 |
| 45° | 2344.5 | 2310.1 | 2128.9 | 1766.0 | 1429.8 | *1285.8* | 1164.1 | 1049.3 | 985.3 | 958.2 | 1099.7 |
| 47.5° | 2691.4 | 2646.7 | 2407.3 | 1997.7 | 1636.8 | *1481.0* | 1322.3 | 1129.2 | 1033.7 | 1001.7 | 1164.1 |
| 50° | 2998.9 | 2954.7 | 2694.7 | 2240.0 | 1830.4 | *1666.8* | 1502.8 | 1239.9 | 1106.3 | 1063.2 | 1250.6 |
| 52.5° | 3220.0 | 3186.3 | 2956.3 | 2490.1 | 2031.7 | *1841.0* | 1666.4 | 1368.7 | 1198.1 | 1141.9 | 1352.7 |
| 55° | 3368.0 | 3337.2 | 3141.6 | 2727.1 | 2265.8 | *2032.9* | 1827.5 | 1508.5 | 1308.8 | 1236.2 | 1465.4 |
| 57.5° | 3457.8 | 3440.1 | 3275.7 | 2938.7 | 2497.9 | *2242.9* | 2012.0 | 1662.3 | 1439.2 | 1347.4 | 1591.3 |
| 60° | 3489.8 | 3475.4 | 3359.0 | 3140.4 | 2778.4 | *2495.0* | 2228.9 | 1835.7 | 1597.5 | 1473.6 | 1720.5 |
| 62.5° | 3404.5 | 3407.3 | 3418.8 | 3379.5 | 3074.0 | *2790.2* | 2488.9 | 2044.0 | 1773.0 | 1616.7 | 1841.8 |
| 65° | 3003.0 | 3026.8 | 3245.0 | 3644.3 | 3465.6 | *3160.1* | 2819.8 | 2298.2 | 1973.9 | 1779.5 | 1938.2 |
| 67.5° | 2486.4 | 2520.9 | 2792.3 | 3799.3 | 3883.0 | *3640.2* | 3280.6 | 2622.1 | 2213.3 | 1945.2 | 1974.7 |
| 70° | 1903.4 | 1940.3 | 2269.1 | 3766.9 | 4273.7 | *4165.1* | 3850.6 | 3034.2 | 2461.4 | 2060.0 | 1881.6 |
| 72.5° | *1358.4* | *1377.3* | *1636.4* | *3478.7* | *4434.0* | *4522.6* | *4270.4* | *3424.6* | *2588.1* | *1996.4* | *1534.7* |
| 75° | 954.5 | 951.3 | 1123.1 | 2801.3 | 4184.3 | *4479.1* | 4123.2 | 3213.4 | 2342.1 | 1586.0 | 946.3 |
| 77.5° | 415.8 | 416.6 | 560.9 | 1701.2 | 3339.7 | *3825.6* | 3427.4 | 2012.8 | 1632.7 | 840.6 | 399.4 |
| 80° | 107.8 | 111.1 | 205.8 | 677.4 | 2010.8 | *2525.0* | 2090.3 | 884.8 | 754.5 | 205.0 | 76.3 |
| 82.5° | 38.1 | 40.6 | 94.7 | 212.8 | 741.7 | *1157.9* | 930.8 | 282.9 | 196.8 | 58.6 | 20.5 |
| 85° | 11.1 | 13.1 | 50.8 | 65.2 | 153.4 | *327.2* | 225.9 | 54.9 | 48.4 | 30.3 | 5.3 |
| 87.5° | 0.0 | 1.6 | 10.3 | 9.0 | 9.0 | *6.2* | 11.5 | 6.2 | 7.8 | 3.7 | 1.6 |
| 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° | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 | 720.8 |
| 2.5° | 724.5 | 721.6 | 715.5 | 708.9 | 702.8 | 697.0 | 695.4 | 689.3 | 686.4 | 686.8 | 686.4 |
| 5° | 728.2 | 722.9 | 711.0 | 696.6 | 681.9 | 665.1 | 651.1 | 631.4 | 614.6 | 612.6 | 611.4 |
| 7.5° | 738.1 | 729.4 | 710.2 | 682.3 | 645.4 | 599.1 | 556.0 | 513.4 | 489.2 | 476.0 | 475.2 |
| 10° | 753.2 | 741.7 | 712.2 | 658.9 | 580.6 | 497.8 | 432.6 | 378.9 | 351.4 | 338.7 | 336.2 |
| 12.5° | 771.3 | 758.6 | 715.5 | 619.1 | 497.0 | 388.3 | 317.8 | 285.0 | 279.2 | 278.4 | 278.0 |
| 15° | 796.7 | 782.7 | 719.2 | 565.4 | 406.3 | 295.6 | 263.2 | 263.6 | 268.2 | 270.6 | 270.2 |
| 17.5° | 825.0 | 811.0 | 713.9 | 499.8 | 317.0 | 252.6 | 251.8 | 255.4 | 262.0 | 264.5 | 264.1 |
| 20° | 853.7 | 840.6 | 695.0 | 422.7 | 256.3 | 240.7 | 244.0 | 248.1 | 254.6 | 257.9 | 257.9 |
| 22.5° | 883.2 | 871.7 | 665.1 | 340.7 | 231.3 | 232.1 | 236.2 | 240.3 | 247.7 | 251.3 | 251.3 |
| 25° | 914.8 | 904.9 | 625.3 | 273.1 | 220.6 | 223.1 | 228.4 | 233.3 | 241.1 | 245.6 | 245.6 |
| 27.5° | 946.8 | 939.4 | 580.2 | 228.0 | 210.8 | 213.6 | 219.8 | 226.3 | 234.1 | 239.5 | 239.9 |
| 30° | 981.6 | 977.5 | 544.1 | 211.2 | 201.3 | 203.8 | 210.8 | 218.1 | 226.7 | 233.3 | 234.1 |
| 32.5° | 1017.3 | 1016.5 | 526.5 | 223.5 | 192.7 | 194.4 | 200.5 | 207.9 | 218.5 | 226.7 | 227.6 |
| 35° | 1052.5 | 1054.2 | 516.2 | 258.3 | 189.8 | 185.3 | 189.4 | 196.0 | 208.7 | 219.0 | 220.6 |
| 37.5° | 1097.6 | 1101.7 | 515.8 | 296.0 | 196.8 | 176.3 | 179.2 | 183.7 | 194.8 | 206.7 | 208.7 |
| 40° | 1164.9 | 1186.6 | 542.1 | 328.4 | 209.1 | 168.1 | 168.9 | 169.8 | 175.5 | 185.3 | 188.6 |
| 42.5° | 1254.3 | 1317.8 | 636.8 | 350.6 | 214.0 | 160.7 | 157.9 | 153.4 | 152.5 | 157.9 | 160.7 |
| 45° | 1365.4 | 1476.5 | 803.2 | 362.9 | 209.1 | 152.5 | 144.7 | 132.8 | 128.3 | 132.0 | 132.0 |
| 47.5° | 1496.2 | 1650.4 | 1000.5 | 365.7 | 200.9 | 142.3 | 128.3 | 112.8 | 109.1 | 110.3 | 109.9 |
| 50° | 1623.7 | 1780.8 | 1173.9 | 342.0 | 187.4 | 129.2 | 110.3 | 97.2 | 94.7 | 95.1 | 95.1 |
| 52.5° | 1736.5 | 1825.4 | 1223.1 | 285.8 | 169.3 | 113.2 | 94.7 | 85.7 | 84.1 | 84.1 | 83.6 |
| 55° | 1811.1 | 1777.1 | 1090.7 | 218.5 | 146.8 | 96.8 | 81.2 | 76.7 | 75.9 | 75.4 | 74.6 |
| 57.5° | 1826.7 | 1619.6 | 823.7 | 157.9 | 114.8 | 81.6 | 72.2 | 69.7 | 68.1 | 66.4 | 65.6 |
| 60° | 1770.9 | 1357.2 | 524.4 | 110.3 | 86.1 | 69.7 | 64.0 | 62.3 | 59.0 | 55.8 | 54.5 |
| 62.5° | 1650.4 | 1025.1 | 290.3 | 76.7 | 69.3 | 59.5 | 56.6 | 54.5 | 48.4 | 43.1 | 41.4 |
| 65° | 1488.4 | 681.5 | 128.3 | 59.9 | 56.6 | 50.0 | 48.4 | 45.5 | 38.1 | 32.0 | 30.8 |
| 67.5° | 1325.6 | 392.4 | 57.8 | 48.0 | 45.5 | 41.0 | 39.8 | 37.7 | 32.4 | 26.7 | 25.8 |
| 70° | 1139.9 | 198.9 | 39.8 | 38.1 | 35.3 | 31.2 | 32.4 | 32.0 | 26.7 | 21.7 | 20.9 |
| 72.5° | *848.8* | *98.8* | *29.9* | *28.7* | *25.4* | *22.1* | *26.7* | *26.2* | *20.9* | *16.4* | *15.6* |
| 75° | 480.6 | 48.8 | 21.7 | 20.1 | 15.2 | 16.4 | 21.3 | 20.1 | 14.4 | 10.7 | 9.8 |
| 77.5° | 190.7 | 25.0 | 14.4 | 12.3 | 9.0 | 11.1 | 15.6 | 13.5 | 7.4 | 4.5 | 4.1 |
| 80° | 43.9 | 12.3 | 7.4 | 5.3 | 4.1 | 6.6 | 8.2 | 4.9 | 2.1 | 0.4 | 0.0 |
| 82.5° | 12.3 | 5.3 | 2.5 | 2.1 | 2.1 | 2.5 | 2.1 | 0.8 | 0.0 | 0.0 | 0.0 |
| 85° | 4.1 | 2.5 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.6 | 0.8 | 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)