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: P1198423

Luminaire Tested: GPC-SB1C-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198423 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1C-827-U-T4FT |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6471 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.0 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): | 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 |

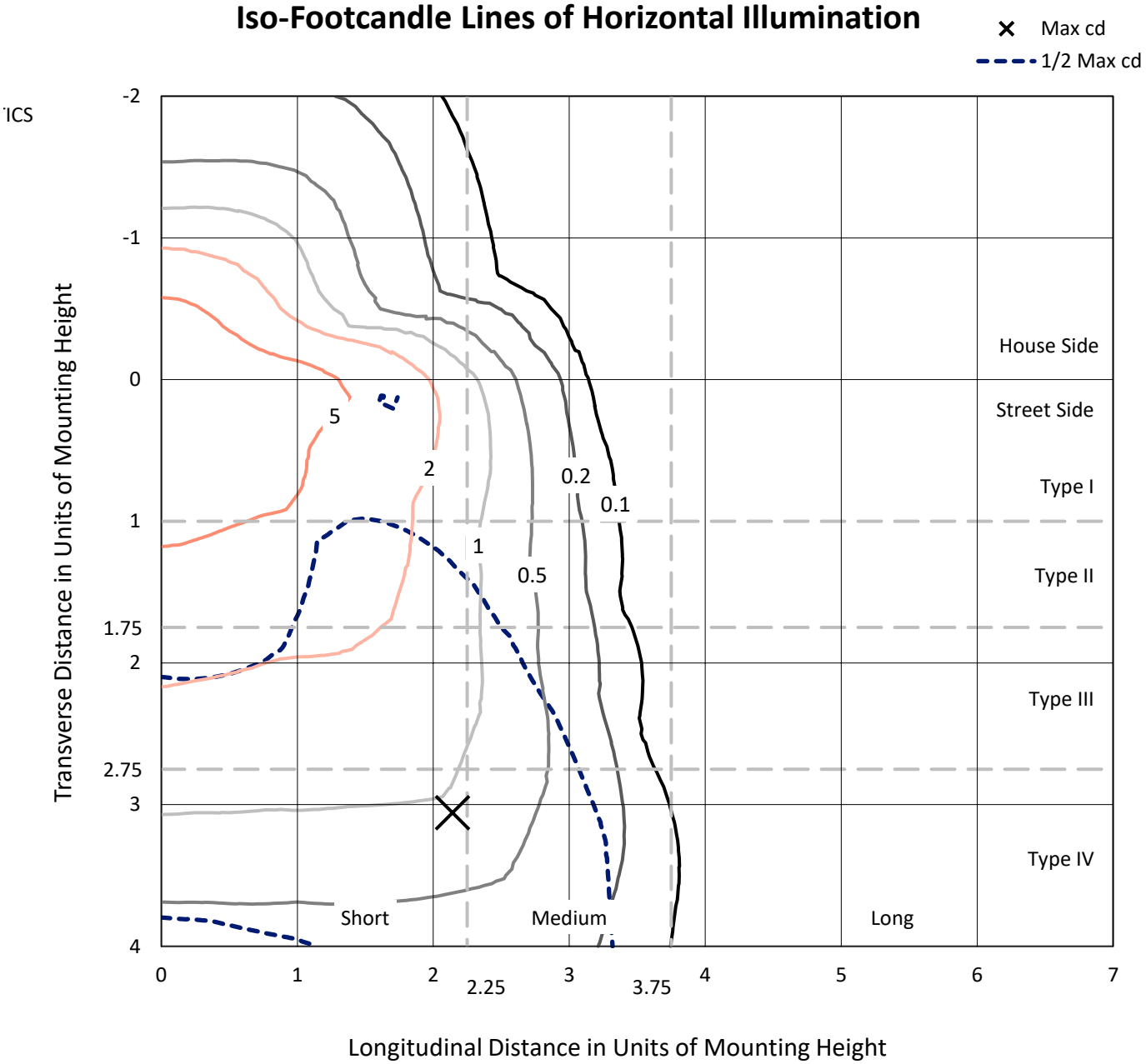


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## Iso-Footcandle Lines of Horizontal Illumination



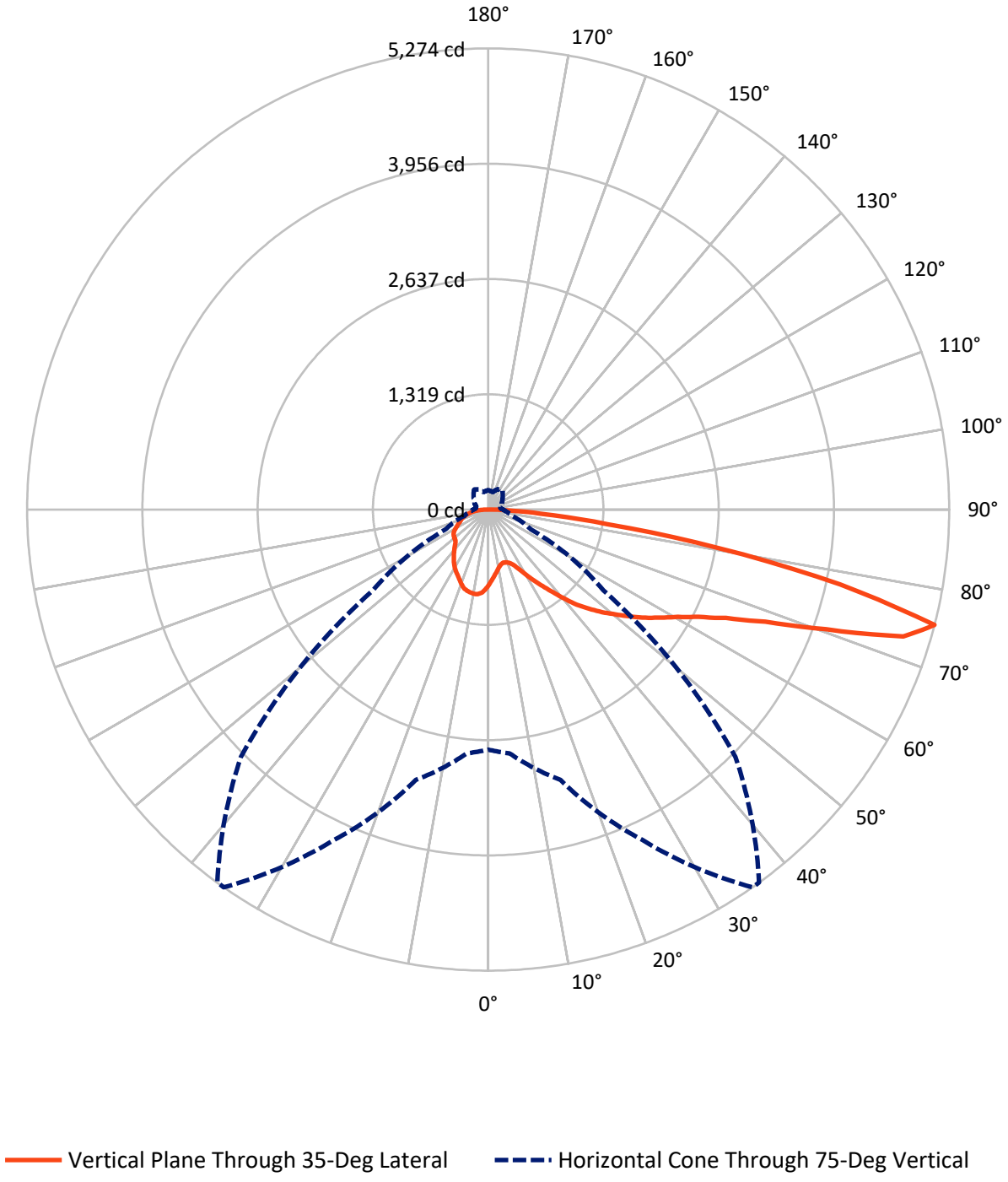

Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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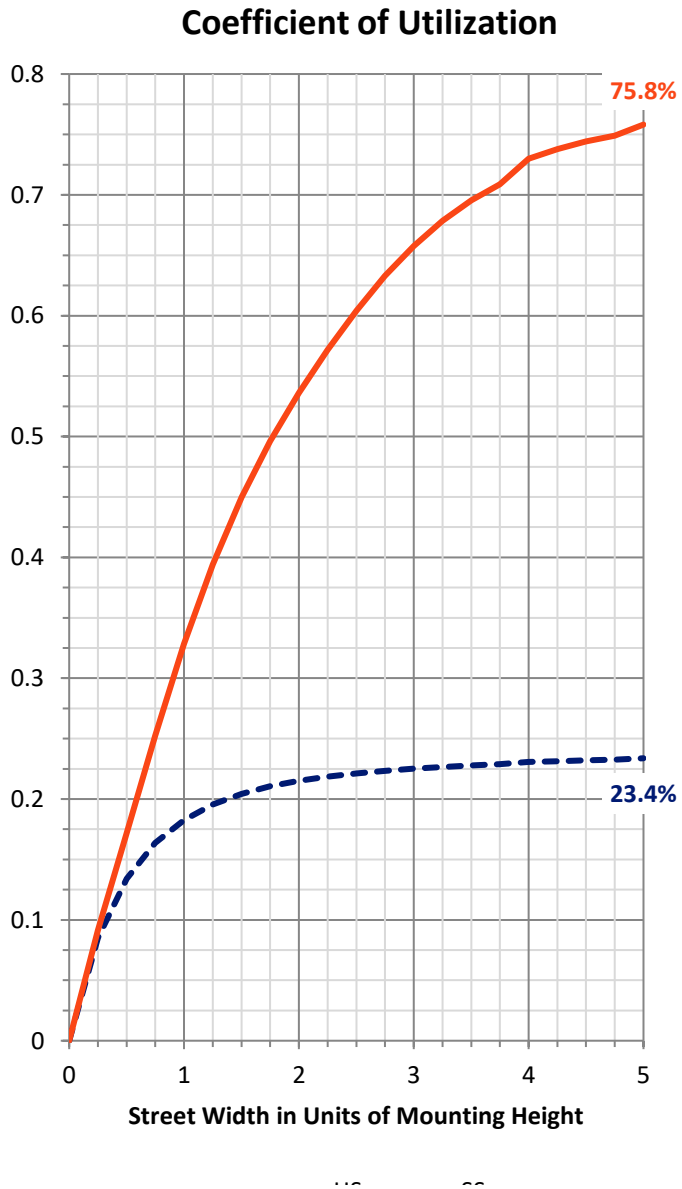
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1539.9 | 0.0 | 1539.9 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| **Street Side** | Lumens | 4931.1 | 0.0 | 4931.1 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| **Total** | Lumens | 6471.0 | 0.0 | 6471.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 81.6 | 1.3 |
| 10°-20° | 235.5 | 3.6 |
| 20°-30° | 395.5 | 6.1 |
| 30°-40° | 614.6 | 9.5 |
| 40°-50° | 912.2 | 14.1 |
| 50°-60° | 1259.4 | 19.5 |
| 60°-70° | 1527.9 | 23.6 |
| 70°-80° | 1262.7 | 19.5 |
| 80°-90° | 181.6 | 2.8 |
| 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° | 6471.0 | 100.0 |
| 0°-180° | 6471.0 | 100.0 |



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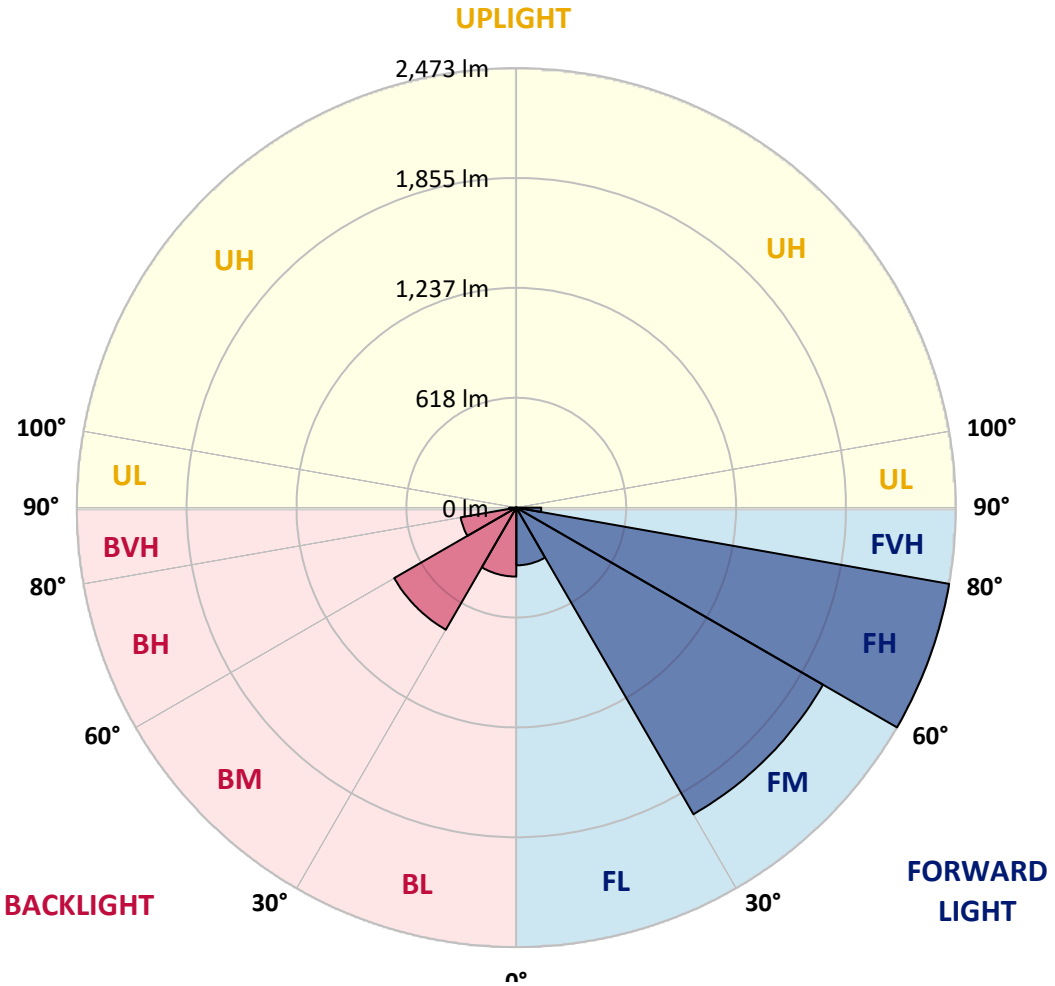
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 324.5 | 5.0 | | | |
| FM | (30°-60°) | 1992.7 | 30.8 | | | |
| FH | (60°-80°) | 2473.1 | 38.2 | | | G2/5000 |
| FVH | (80°-90°) | 140.7 | 2.2 | | | G2/225 |
| BL | (0°-30°) | 388.1 | 6.0 | B1/500 | | |
| BM | (30°-60°) | 793.5 | 12.3 | B1/1000 | | |
| BH | (60°-80°) | 317.5 | 4.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 40.9 | 0.6 | | | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 862.3 | 862.3 | 862.3 | 862.3 | *862.3* | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 |
| 2.5° | 795.1 | 800.0 | 802.1 | 801.1 | *806.3* | 805.6 | 813.0 | 822.1 | 834.7 | 846.9 | 864.8 |
| 5° | 733.9 | 739.2 | 743.7 | 747.9 | *758.1* | 761.2 | 772.8 | 790.2 | 813.3 | 836.8 | 866.2 |
| 7.5° | 676.9 | 681.4 | 688.4 | 696.1 | *713.3* | 716.4 | 735.7 | 763.0 | 795.1 | 829.4 | 870.0 |
| 10° | 630.4 | 634.9 | 642.3 | 651.0 | *672.4* | 676.2 | 700.7 | 737.1 | 779.0 | 822.4 | 874.2 |
| 12.5° | 610.4 | 611.8 | 616.0 | 624.8 | *643.3* | 645.8 | 672.7 | 714.3 | 763.3 | 817.2 | 880.5 |
| 15° | 609.4 | 612.2 | 612.5 | 617.1 | *632.5* | 633.5 | 658.4 | 699.6 | 753.5 | 816.1 | 889.9 |
| 17.5° | 619.9 | 622.0 | 618.8 | 621.6 | *634.6* | 636.3 | 655.9 | 692.6 | 750.4 | 820.7 | 906.0 |
| 20° | 647.9 | 649.6 | 640.2 | 636.3 | *645.8* | 647.2 | 666.4 | 697.2 | 753.5 | 830.1 | 928.1 |
| 22.5° | 707.3 | 708.4 | 685.3 | 669.6 | *670.3* | 671.0 | 687.7 | 715.7 | 765.8 | 847.3 | 956.1 |
| 25° | 800.0 | 799.3 | 762.6 | 732.2 | *714.7* | 710.8 | 722.0 | 745.8 | 786.4 | 870.0 | 992.1 |
| 27.5° | 908.5 | 903.2 | 866.5 | 821.0 | *782.9* | 777.3 | 774.8 | 785.0 | 815.8 | 900.1 | 1036.2 |
| 30° | 1030.9 | 1026.0 | 986.5 | 927.0 | *874.2* | 865.1 | 842.0 | 836.8 | 859.5 | 941.0 | 1097.4 |
| 32.5° | 1165.2 | 1162.1 | 1114.9 | 1042.8 | *972.1* | 961.7 | 922.8 | 908.8 | 926.7 | 1002.9 | 1182.7 |
| 35° | 1277.9 | 1275.1 | 1235.9 | 1161.7 | *1075.3* | 1062.4 | 1022.9 | 1007.1 | 1016.2 | 1082.3 | 1294.3 |
| 37.5° | 1379.7 | 1378.3 | 1344.7 | 1286.3 | *1197.1* | 1181.3 | 1136.9 | 1131.7 | 1129.9 | 1186.9 | 1429.7 |
| 40° | 1474.1 | 1470.6 | 1435.7 | 1404.9 | *1338.8* | 1324.4 | 1285.2 | 1280.7 | 1267.4 | 1315.7 | 1582.9 |
| 42.5° | 1578.7 | 1569.6 | 1518.9 | 1504.6 | *1486.7* | 1474.8 | 1451.4 | 1452.1 | 1422.7 | 1460.8 | 1745.2 |
| 45° | 1664.1 | 1658.8 | 1606.7 | 1598.3 | *1617.6* | 1612.7 | 1633.0 | 1638.2 | 1581.2 | 1613.0 | 1913.9 |
| 47.5° | 1755.7 | 1750.8 | 1706.8 | 1700.8 | *1752.9* | 1754.3 | 1826.1 | 1827.8 | 1735.8 | 1771.1 | 2082.8 |
| 50° | 1868.7 | 1861.7 | 1818.0 | 1825.4 | *1883.8* | 1889.0 | 2020.2 | 2008.3 | 1878.2 | 1931.7 | 2250.4 |
| 52.5° | 1943.2 | 1947.4 | 1938.0 | 1949.9 | *2029.7* | 2034.5 | 2211.2 | 2180.8 | 2019.2 | 2090.2 | 2414.8 |
| 55° | 1998.2 | 2006.6 | 2035.9 | 2063.2 | *2183.6* | 2188.5 | 2391.4 | 2344.8 | 2136.0 | 2237.1 | 2569.4 |
| 57.5° | 2068.8 | 2056.9 | 2111.9 | 2165.0 | *2329.8* | 2342.7 | 2566.6 | 2503.0 | 2239.5 | 2363.7 | 2675.4 |
| 60° | 2170.3 | 2161.9 | 2204.6 | 2283.3 | *2493.5* | 2514.2 | 2752.0 | 2645.3 | 2315.5 | 2464.1 | 2696.1 |
| 62.5° | 2376.0 | 2355.0 | 2361.6 | 2431.2 | *2699.9* | 2727.2 | 2961.2 | 2769.5 | 2353.2 | 2503.3 | 2585.5 |
| 65° | 2683.5 | 2647.4 | 2613.8 | 2662.1 | *2990.6* | 3017.5 | 3197.3 | 2867.1 | 2339.2 | 2427.4 | 2292.0 |
| 67.5° | 3070.7 | 3035.0 | 2993.8 | 3039.2 | *3418.8* | 3440.1 | 3488.7 | 2922.0 | 2229.0 | 2134.9 | 1773.2 |
| 70° | 3390.1 | 3376.8 | 3426.1 | 3613.3 | *4102.7* | 4103.4 | 3862.4 | 2876.6 | 1927.2 | 1513.7 | 1026.0 |
| 72.5° | 3347.8 | 3339.7 | 3599.6 | 4178.2 | *4964.6* | 4946.1 | 4216.0 | 2532.3 | 1298.2 | 682.8 | 384.5 |
| 75° | *2746.4* | *2798.6* | *3201.2* | *4168.1* | *5274.2* | *5271.8* | *3999.5* | *1609.9* | *537.0* | *283.0* | *198.7* |
| 77.5° | 1472.7 | 1555.3 | 2078.3 | 3077.4 | *4117.4* | 4179.3 | 2811.8 | 563.2 | 230.5 | 181.2 | 137.5 |
| 80° | 480.3 | 552.4 | 828.4 | 1566.8 | *2675.4* | 2663.9 | 1205.1 | 221.1 | 157.8 | 128.4 | 95.2 |
| 82.5° | 203.9 | 212.3 | 370.1 | 739.9 | *1373.0* | 1351.7 | 383.8 | 127.0 | 110.9 | 87.8 | 58.8 |
| 85° | 79.8 | 89.2 | 163.4 | 342.1 | *594.7* | 581.7 | 138.5 | 63.0 | 71.0 | 57.4 | 35.0 |
| 87.5° | 26.2 | 31.8 | 58.4 | 117.2 | *185.1* | 178.4 | 33.9 | 21.7 | 30.8 | 26.2 | 12.6 |
| 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° | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 | 862.3 |
| 2.5° | 869.7 | 875.2 | 881.9 | 891.7 | 900.1 | 907.1 | 914.4 | 919.0 | 920.7 | 926.0 | 925.6 |
| 5° | 875.9 | 888.2 | 904.6 | 920.7 | 936.5 | 945.9 | 954.3 | 958.5 | 962.4 | 965.2 | 965.9 |
| 7.5° | 886.4 | 902.2 | 928.1 | 949.1 | 962.4 | 970.0 | 975.6 | 974.2 | 975.6 | 976.3 | 977.4 |
| 10° | 895.5 | 917.6 | 948.4 | 968.3 | 978.4 | 978.8 | 977.4 | 972.5 | 970.0 | 970.4 | 971.1 |
| 12.5° | 906.4 | 930.9 | 964.1 | 980.9 | 983.7 | 976.0 | 970.0 | 961.7 | 958.5 | 957.1 | 956.4 |
| 15° | 921.1 | 949.1 | 981.2 | 987.5 | 980.5 | 970.7 | 960.6 | 947.0 | 940.0 | 934.4 | 936.1 |
| 17.5° | 938.9 | 969.7 | 994.5 | 990.0 | 974.9 | 958.9 | 942.4 | 921.8 | 907.4 | 901.5 | 901.8 |
| 20° | 963.8 | 991.4 | 1004.7 | 984.7 | 962.0 | 937.5 | 909.5 | 884.3 | 871.1 | 865.1 | 864.4 |
| 22.5° | 993.8 | 1020.4 | 1014.5 | 975.6 | 943.5 | 904.3 | 869.3 | 850.8 | 844.1 | 839.9 | 840.6 |
| 25° | 1029.9 | 1052.6 | 1021.5 | 962.4 | 913.0 | 860.2 | 833.3 | 827.3 | 824.2 | 821.0 | 821.0 |
| 27.5° | 1076.7 | 1089.0 | 1026.7 | 942.8 | 865.5 | 813.3 | 803.5 | 804.6 | 803.5 | 798.3 | 799.3 |
| 30° | 1138.7 | 1136.2 | 1031.6 | 910.9 | 810.9 | 771.0 | 771.7 | 776.2 | 776.9 | 773.5 | 775.2 |
| 32.5° | 1220.2 | 1195.3 | 1034.1 | 869.7 | 758.8 | 733.9 | 734.6 | 739.5 | 743.0 | 737.1 | 739.9 |
| 35° | 1318.8 | 1264.2 | 1030.2 | 817.9 | 718.5 | 698.6 | 693.3 | 694.7 | 695.8 | 690.2 | 694.0 |
| 37.5° | 1433.9 | 1341.6 | 1013.1 | 760.5 | 685.3 | 664.0 | 652.8 | 643.3 | 637.7 | 632.5 | 636.0 |
| 40° | 1560.2 | 1425.9 | 981.6 | 704.5 | 648.2 | 627.2 | 610.4 | 592.6 | 573.7 | 566.7 | 569.9 |
| 42.5° | 1692.4 | 1512.6 | 943.5 | 651.0 | 605.5 | 588.4 | 570.6 | 544.7 | 516.3 | 502.0 | 503.7 |
| 45° | 1829.6 | 1601.5 | 906.0 | 598.2 | 561.8 | 554.5 | 533.8 | 502.7 | 471.9 | 453.7 | 452.3 |
| 47.5° | 1963.9 | 1685.4 | 851.1 | 545.0 | 520.9 | 528.9 | 512.8 | 484.1 | 449.9 | 421.2 | 418.0 |
| 50° | 2092.3 | 1764.1 | 761.2 | 491.1 | 487.6 | 521.2 | 505.8 | 464.6 | 425.4 | 388.6 | 385.5 |
| 52.5° | 2219.6 | 1827.8 | 646.1 | 442.2 | 469.8 | 519.1 | 496.7 | 451.3 | 403.3 | 364.9 | 360.7 |
| 55° | 2327.7 | 1860.7 | 535.2 | 400.2 | 443.9 | 501.3 | 485.9 | 435.5 | 372.2 | 331.3 | 327.8 |
| 57.5° | 2389.3 | 1834.1 | 442.9 | 358.9 | 408.2 | 471.9 | 467.4 | 401.9 | 335.1 | 303.6 | 299.4 |
| 60° | 2362.7 | 1726.4 | 367.3 | 322.9 | 374.3 | 440.1 | 435.2 | 368.7 | 306.8 | 277.1 | 272.9 |
| 62.5° | 2216.1 | 1521.0 | 307.5 | 291.4 | 343.5 | 407.5 | 403.0 | 343.2 | 285.1 | 256.4 | 251.9 |
| 65° | 1920.9 | 1237.3 | 261.0 | 265.2 | 312.4 | 368.4 | 375.0 | 321.8 | 268.0 | 240.0 | 235.4 |
| 67.5° | 1465.0 | 896.2 | 224.6 | 242.4 | 282.0 | 329.9 | 349.1 | 306.4 | 253.6 | 227.0 | 222.8 |
| 70° | 835.0 | 509.0 | 193.8 | 220.4 | 255.0 | 294.2 | 329.2 | 294.2 | 238.2 | 216.2 | 213.4 |
| 72.5° | 316.6 | 233.7 | 167.6 | 198.3 | 229.1 | 264.1 | 307.1 | 275.0 | 220.4 | 203.9 | 201.1 |
| 75° | *169.0* | *142.4* | *141.0* | *172.5* | *199.4* | *234.7* | *279.5* | *256.1* | *207.1* | *215.5* | *222.5* |
| 77.5° | 115.1 | 100.7 | 117.9 | 147.6 | 166.9 | 202.2 | 250.1 | 227.4 | 179.5 | 178.8 | 164.8 |
| 80° | 79.8 | 71.4 | 95.9 | 118.9 | 129.1 | 170.0 | 218.3 | 195.2 | 146.2 | 136.4 | 130.5 |
| 82.5° | 47.9 | 46.5 | 71.7 | 88.9 | 91.3 | 131.2 | 180.9 | 163.7 | 119.6 | 104.2 | 104.9 |
| 85° | 26.2 | 27.6 | 45.8 | 52.1 | 53.2 | 91.7 | 141.7 | 126.6 | 92.0 | 77.3 | 78.0 |
| 87.5° | 7.3 | 9.4 | 16.8 | 20.6 | 25.5 | 47.6 | 84.3 | 75.2 | 46.2 | 32.2 | 32.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

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(END OF REPORT)