

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P939479

Luminaire Tested: **GLAN-SB2A-830-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-830-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7967 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



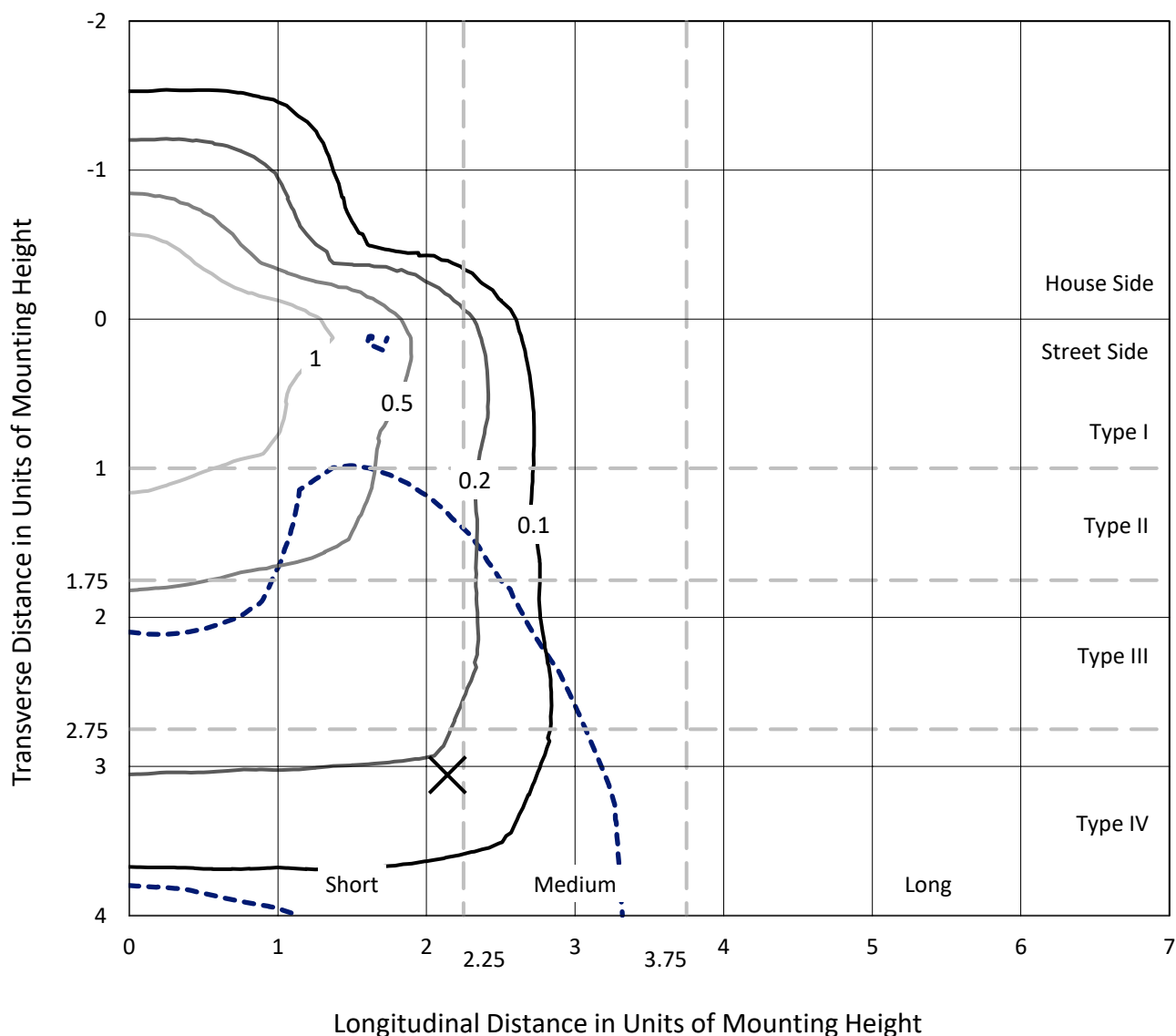
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



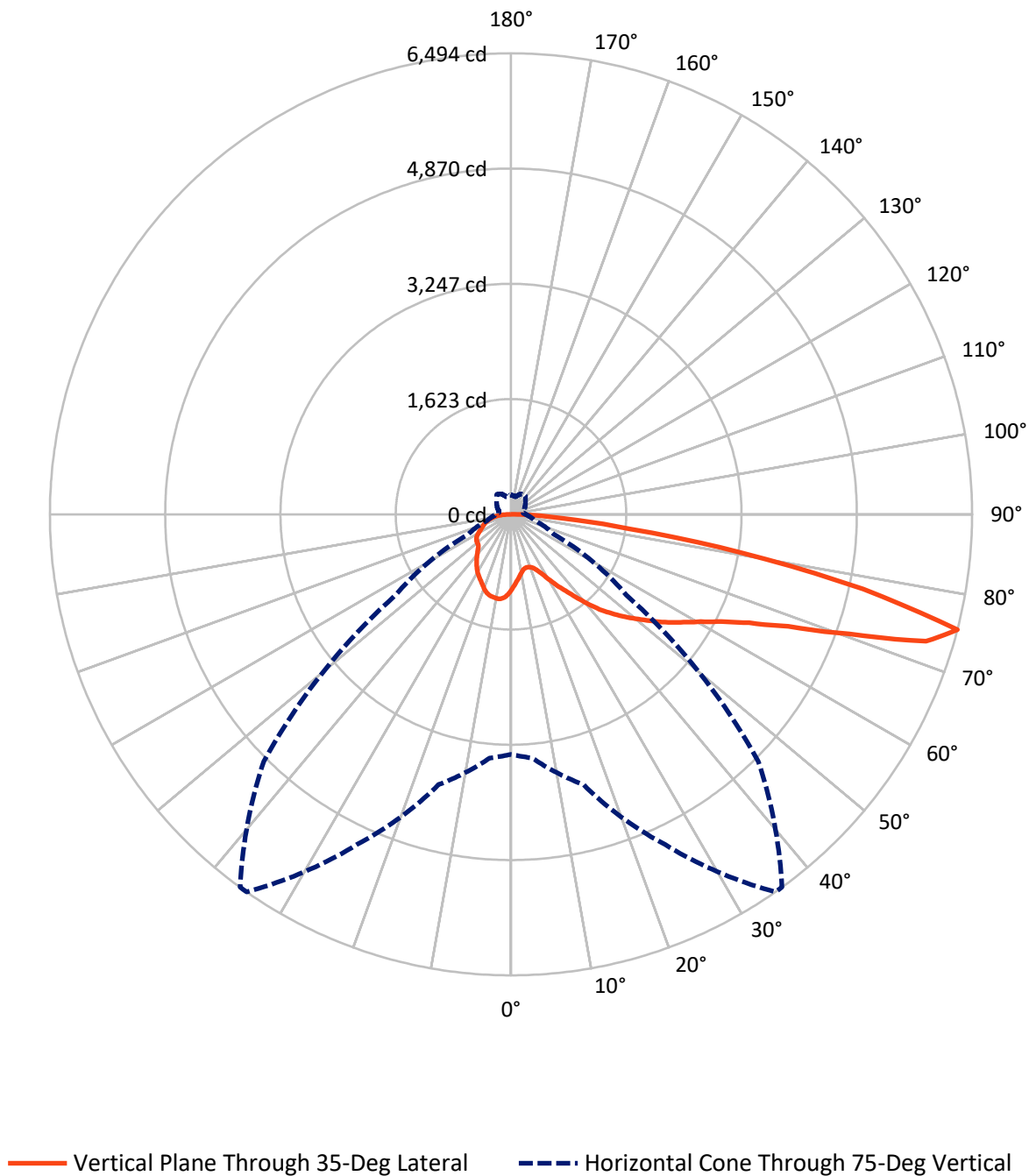
Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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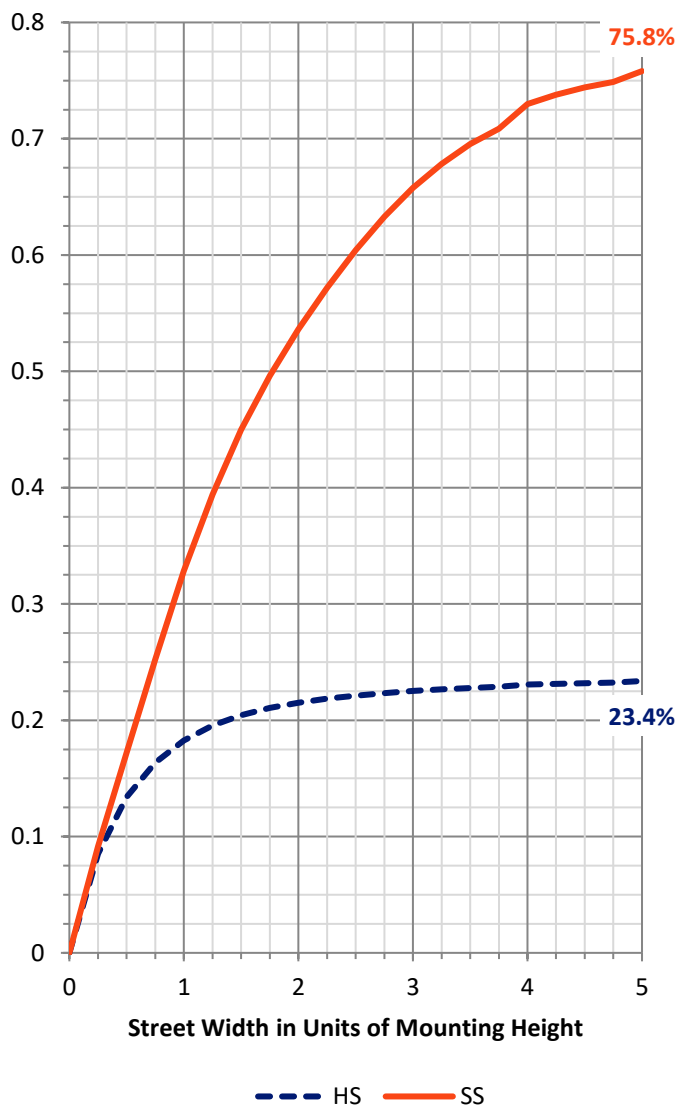
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1895.9   | 0.0    | 1895.9 |
|                    | % Fixture | 23.8     | 0.0    | 23.8   |
| <b>Street Side</b> | Lumens    | 6071.0   | 0.0    | 6071.0 |
|                    | % Fixture | 76.2     | 0.0    | 76.2   |
| <b>Total</b>       | Lumens    | 7967.0   | 0.0    | 7967.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.5  | 1.3       |
| 10°-20°   | 289.9  | 3.6       |
| 20°-30°   | 486.9  | 6.1       |
| 30°-40°   | 756.7  | 9.5       |
| 40°-50°   | 1123.1 | 14.1      |
| 50°-60°   | 1550.5 | 19.5      |
| 60°-70°   | 1881.1 | 23.6      |
| 70°-80°   | 1554.6 | 19.5      |
| 80°-90°   | 223.6  | 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°    | 7967.0 | 100.0     |
| 0°-180°   | 7967.0 | 100.0     |

**Coefficient of Utilization**



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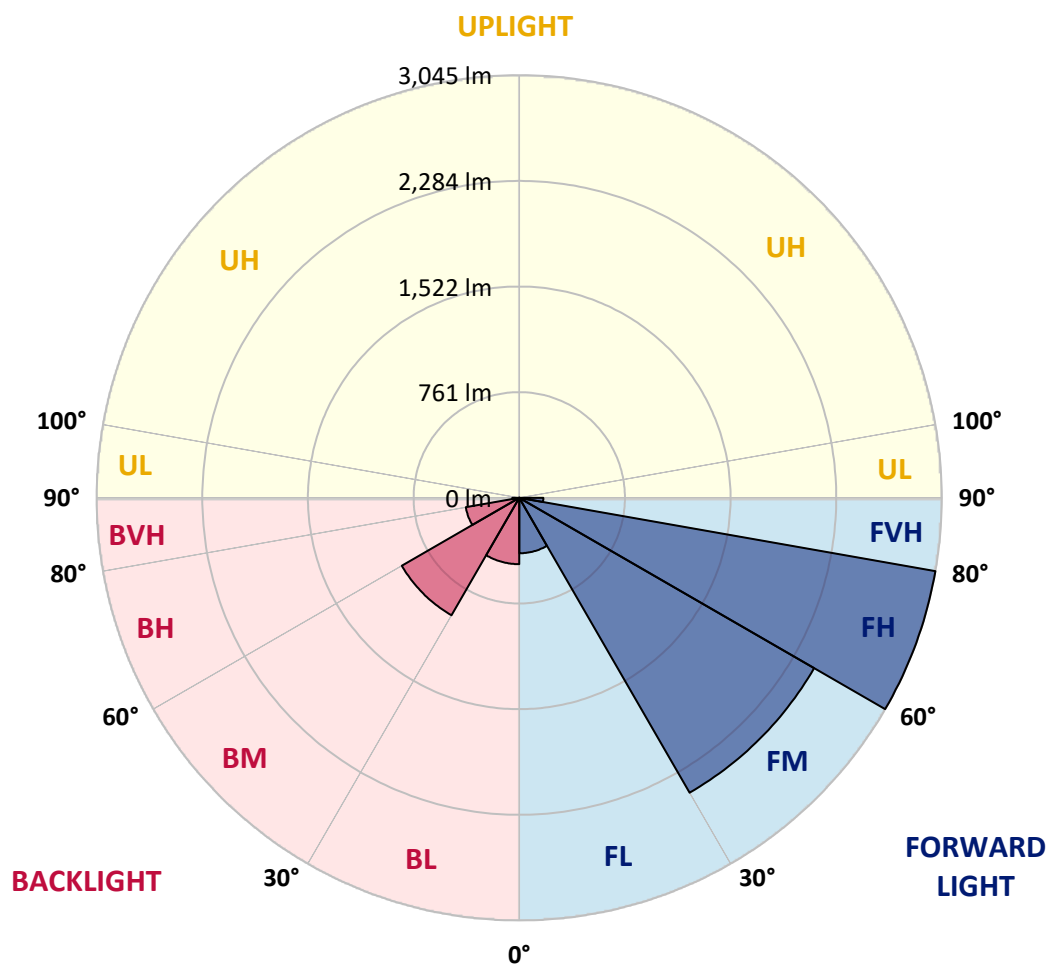
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 399.5  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 2453.4 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 3044.9 | 38.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 173.2  | 2.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 477.8  | 6.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 976.9  | 12.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 390.9  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 50.3   | 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°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 |
| 2.5°  | 979.0  | 985.0  | 987.6  | 986.3  | 992.7  | 991.9  | 1000.9 | 1012.1 | 1027.6 | 1042.7 |
| 5°    | 903.6  | 910.1  | 915.7  | 920.8  | 933.3  | 937.2  | 951.4  | 972.9  | 1001.4 | 1030.2 |
| 7.5°  | 833.4  | 839.0  | 847.6  | 857.1  | 878.2  | 882.1  | 905.7  | 939.3  | 979.0  | 1021.2 |
| 10°   | 776.1  | 781.7  | 790.8  | 801.5  | 827.8  | 832.5  | 862.7  | 907.5  | 959.2  | 1012.6 |
| 12.5° | 751.6  | 753.3  | 758.4  | 769.2  | 792.0  | 795.1  | 828.2  | 879.5  | 939.8  | 1006.1 |
| 15°   | 750.3  | 753.7  | 754.1  | 759.7  | 778.7  | 780.0  | 810.6  | 861.4  | 927.7  | 1004.8 |
| 17.5° | 763.2  | 765.8  | 761.9  | 765.3  | 781.3  | 783.4  | 807.5  | 852.8  | 923.8  | 1010.4 |
| 20°   | 797.6  | 799.8  | 788.2  | 783.4  | 795.1  | 796.8  | 820.5  | 858.4  | 927.7  | 1022.0 |
| 22.5° | 870.9  | 872.2  | 843.7  | 824.3  | 825.2  | 826.1  | 846.7  | 881.2  | 942.8  | 1043.1 |
| 25°   | 985.0  | 984.1  | 938.9  | 901.4  | 879.9  | 875.2  | 888.9  | 918.2  | 968.2  | 1071.1 |
| 27.5° | 1118.5 | 1112.0 | 1066.8 | 1010.8 | 963.9  | 957.0  | 954.0  | 966.5  | 1004.4 | 1108.2 |
| 30°   | 1269.3 | 1263.2 | 1214.6 | 1141.3 | 1076.3 | 1065.1 | 1036.7 | 1030.2 | 1058.2 | 1158.6 |
| 32.5° | 1434.6 | 1430.8 | 1372.6 | 1283.9 | 1196.9 | 1184.0 | 1136.2 | 1118.9 | 1140.9 | 1234.8 |
| 35°   | 1573.3 | 1569.9 | 1521.6 | 1430.3 | 1323.9 | 1308.0 | 1259.3 | 1240.0 | 1251.2 | 1332.6 |
| 37.5° | 1698.7 | 1696.9 | 1655.6 | 1583.7 | 1473.8 | 1454.4 | 1399.8 | 1393.3 | 1391.1 | 1461.3 |
| 40°   | 1814.9 | 1810.6 | 1767.6 | 1729.7 | 1648.3 | 1630.6 | 1582.4 | 1576.8 | 1560.4 | 1619.8 |
| 42.5° | 1943.7 | 1932.5 | 1870.1 | 1852.4 | 1830.4 | 1815.8 | 1786.9 | 1787.8 | 1751.6 | 1798.6 |
| 45°   | 2048.8 | 2042.3 | 1978.2 | 1967.8 | 1991.5 | 1985.5 | 2010.5 | 2016.9 | 1946.7 | 1985.9 |
| 47.5° | 2161.6 | 2155.6 | 2101.3 | 2094.0 | 2158.2 | 2159.9 | 2248.2 | 2250.4 | 2137.1 | 2180.6 |
| 50°   | 2300.8 | 2292.1 | 2238.3 | 2247.4 | 2319.3 | 2325.7 | 2487.2 | 2472.6 | 2312.4 | 2378.3 |
| 52.5° | 2392.5 | 2397.7 | 2386.0 | 2400.7 | 2498.9 | 2504.9 | 2722.4 | 2684.9 | 2486.0 | 2573.4 |
| 55°   | 2460.1 | 2470.5 | 2506.6 | 2540.2 | 2688.4 | 2694.4 | 2944.2 | 2886.9 | 2629.8 | 2754.3 |
| 57.5° | 2547.1 | 2532.5 | 2600.1 | 2665.6 | 2868.4 | 2884.3 | 3160.0 | 3081.6 | 2757.3 | 2910.2 |
| 60°   | 2672.0 | 2661.7 | 2714.2 | 2811.1 | 3070.0 | 3095.4 | 3388.3 | 3256.9 | 2850.8 | 3033.8 |
| 62.5° | 2925.3 | 2899.4 | 2907.6 | 2993.3 | 3324.1 | 3357.7 | 3645.8 | 3409.8 | 2897.3 | 3082.0 |
| 65°   | 3303.8 | 3259.5 | 3218.1 | 3277.6 | 3682.0 | 3715.2 | 3936.5 | 3530.0 | 2880.0 | 2988.6 |
| 67.5° | 3780.6 | 3736.7 | 3685.9 | 3741.9 | 4209.2 | 4235.4 | 4295.3 | 3597.6 | 2744.4 | 2628.5 |
| 70°   | 4173.8 | 4157.5 | 4218.2 | 4448.6 | 5051.2 | 5052.0 | 4755.3 | 3541.6 | 2372.7 | 1863.6 |
| 72.5° | 4121.7 | 4111.8 | 4431.8 | 5144.2 | 6112.4 | 6089.6 | 5190.7 | 3117.8 | 1598.3 | 840.7  |
| 75°   | 3381.4 | 3445.5 | 3941.3 | 5131.7 | 6493.5 | 6490.5 | 4924.1 | 1982.0 | 661.1  | 348.4  |
| 77.5° | 1813.2 | 1914.9 | 2558.7 | 3788.8 | 5069.2 | 5145.5 | 3461.9 | 693.4  | 283.8  | 223.1  |
| 80°   | 591.3  | 680.1  | 1019.9 | 1929.1 | 3293.9 | 3279.7 | 1483.7 | 272.2  | 194.2  | 158.1  |
| 82.5° | 251.1  | 261.4  | 455.7  | 910.9  | 1690.5 | 1664.2 | 472.5  | 156.3  | 136.5  | 108.1  |
| 85°   | 98.2   | 109.8  | 201.1  | 421.2  | 732.2  | 716.2  | 170.6  | 77.5   | 87.4   | 70.6   |
| 87.5° | 32.3   | 39.2   | 71.9   | 144.3  | 227.8  | 219.7  | 41.8   | 26.7   | 37.9   | 32.3   |
| 90°   | 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1061.7 | 0°    | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 | 1061.7 |
| 1064.7 | 2.5°  | 1070.7 | 1077.6 | 1085.8 | 1097.8 | 1108.2 | 1116.8 | 1125.8 | 1131.4 | 1133.6 | 1140.0 |
| 1066.4 | 5°    | 1078.5 | 1093.5 | 1113.8 | 1133.6 | 1153.0 | 1164.6 | 1174.9 | 1180.1 | 1184.8 | 1188.3 |
| 1071.1 | 7.5°  | 1091.4 | 1110.8 | 1142.6 | 1168.5 | 1184.8 | 1194.3 | 1201.2 | 1199.5 | 1201.2 | 1202.1 |
| 1076.3 | 10°   | 1102.6 | 1129.7 | 1167.6 | 1192.2 | 1204.6 | 1205.1 | 1203.4 | 1197.3 | 1194.3 | 1194.7 |
| 1084.1 | 12.5° | 1115.9 | 1146.1 | 1187.0 | 1207.7 | 1211.1 | 1201.6 | 1194.3 | 1184.0 | 1180.1 | 1178.4 |
| 1095.7 | 15°   | 1134.0 | 1168.5 | 1208.1 | 1215.8 | 1207.2 | 1195.2 | 1182.7 | 1165.9 | 1157.3 | 1150.4 |
| 1115.5 | 17.5° | 1156.0 | 1193.9 | 1224.5 | 1218.9 | 1200.3 | 1180.5 | 1160.3 | 1134.9 | 1117.2 | 1109.9 |
| 1142.6 | 20°   | 1186.6 | 1220.6 | 1236.9 | 1212.4 | 1184.4 | 1154.3 | 1119.8 | 1088.8 | 1072.4 | 1065.1 |
| 1177.1 | 22.5° | 1223.6 | 1256.3 | 1249.0 | 1201.2 | 1161.6 | 1113.3 | 1070.3 | 1047.4 | 1039.3 | 1034.1 |
| 1221.4 | 25°   | 1268.0 | 1296.0 | 1257.6 | 1184.8 | 1124.1 | 1059.1 | 1025.9 | 1018.6 | 1014.7 | 1010.8 |
| 1275.7 | 27.5° | 1325.7 | 1340.7 | 1264.1 | 1160.7 | 1065.5 | 1001.4 | 989.3  | 990.6  | 989.3  | 982.8  |
| 1351.1 | 30°   | 1401.9 | 1398.9 | 1270.1 | 1121.5 | 998.3  | 949.2  | 950.1  | 955.7  | 956.6  | 952.3  |
| 1456.2 | 32.5° | 1502.3 | 1471.7 | 1273.1 | 1070.7 | 934.2  | 903.6  | 904.5  | 910.5  | 914.8  | 907.5  |
| 1593.6 | 35°   | 1623.7 | 1556.5 | 1268.4 | 1007.0 | 884.6  | 860.1  | 853.6  | 855.4  | 856.6  | 849.8  |
| 1760.2 | 37.5° | 1765.4 | 1651.7 | 1247.3 | 936.3  | 843.7  | 817.5  | 803.7  | 792.0  | 785.2  | 778.7  |
| 1948.9 | 40°   | 1920.9 | 1755.5 | 1208.5 | 867.4  | 798.1  | 772.2  | 751.6  | 729.6  | 706.3  | 697.7  |
| 2148.7 | 42.5° | 2083.7 | 1862.3 | 1161.6 | 801.5  | 745.5  | 724.4  | 702.5  | 670.6  | 635.7  | 618.0  |
| 2356.3 | 45°   | 2252.5 | 1971.7 | 1115.5 | 736.5  | 691.7  | 682.6  | 657.2  | 618.9  | 581.0  | 558.6  |
| 2564.3 | 47.5° | 2417.9 | 2075.1 | 1047.9 | 671.0  | 641.3  | 651.2  | 631.4  | 596.1  | 553.9  | 518.6  |
| 2770.6 | 50°   | 2576.0 | 2172.0 | 937.2  | 604.7  | 600.4  | 641.7  | 622.8  | 572.0  | 523.7  | 478.5  |
| 2973.1 | 52.5° | 2732.7 | 2250.4 | 795.5  | 544.4  | 578.4  | 639.1  | 611.6  | 555.6  | 496.6  | 449.2  |
| 3163.4 | 55°   | 2865.8 | 2290.9 | 659.0  | 492.7  | 546.5  | 617.2  | 598.2  | 536.2  | 458.3  | 407.9  |
| 3293.9 | 57.5° | 2941.6 | 2258.1 | 545.3  | 441.9  | 502.6  | 581.0  | 575.4  | 494.9  | 412.6  | 373.8  |
| 3319.3 | 60°   | 2908.9 | 2125.5 | 452.2  | 397.5  | 460.8  | 541.8  | 535.8  | 453.9  | 377.7  | 341.1  |
| 3183.2 | 62.5° | 2728.4 | 1872.7 | 378.6  | 358.8  | 422.9  | 501.8  | 496.2  | 422.5  | 351.0  | 315.7  |
| 2821.9 | 65°   | 2364.9 | 1523.4 | 321.3  | 326.5  | 384.6  | 453.5  | 461.7  | 396.2  | 329.9  | 295.5  |
| 2183.2 | 67.5° | 1803.7 | 1103.4 | 276.5  | 298.5  | 347.1  | 406.1  | 429.8  | 377.3  | 312.3  | 279.5  |
| 1263.2 | 70°   | 1028.1 | 626.7  | 238.6  | 271.3  | 314.0  | 362.2  | 405.3  | 362.2  | 293.3  | 266.2  |
| 473.3  | 72.5° | 389.8  | 287.7  | 206.3  | 244.2  | 282.1  | 325.2  | 378.1  | 338.5  | 271.3  | 251.1  |
| 244.6  | 75°   | 208.0  | 175.3  | 173.6  | 212.3  | 245.5  | 289.0  | 344.1  | 315.3  | 255.0  | 265.3  |
| 169.3  | 77.5° | 141.7  | 124.0  | 145.1  | 181.8  | 205.4  | 248.9  | 307.9  | 280.0  | 220.9  | 220.1  |
| 117.1  | 80°   | 98.2   | 87.9   | 118.0  | 146.4  | 158.9  | 209.3  | 268.8  | 240.3  | 180.0  | 168.0  |
| 72.4   | 82.5° | 59.0   | 57.3   | 88.3   | 109.4  | 112.4  | 161.5  | 222.7  | 201.6  | 147.3  | 128.3  |
| 43.1   | 85°   | 32.3   | 34.0   | 56.4   | 64.2   | 65.5   | 112.8  | 174.4  | 155.9  | 113.3  | 95.2   |
| 15.5   | 87.5° | 9.0    | 11.6   | 20.7   | 25.4   | 31.4   | 58.6   | 103.8  | 92.6   | 56.9   | 39.6   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 1061.7 |
| 1139.6 |
| 1189.1 |
| 1203.4 |
| 1195.6 |
| 1177.5 |
| 1152.5 |
| 1110.3 |
| 1064.2 |
| 1035.0 |
| 1010.8 |
| 984.1  |
| 954.4  |
| 910.9  |
| 854.5  |
| 783.0  |
| 701.6  |
| 620.2  |
| 556.9  |
| 514.7  |
| 474.6  |
| 444.0  |
| 403.6  |
| 368.7  |
| 335.9  |
| 310.1  |
| 289.9  |
| 274.4  |
| 262.7  |
| 247.6  |
| 273.9  |
| 202.9  |
| 160.6  |
| 129.2  |
| 96.0   |
| 39.6   |
| 0.0    |