

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: P938794

Luminaire Tested: **GLAN-SB1A-830-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

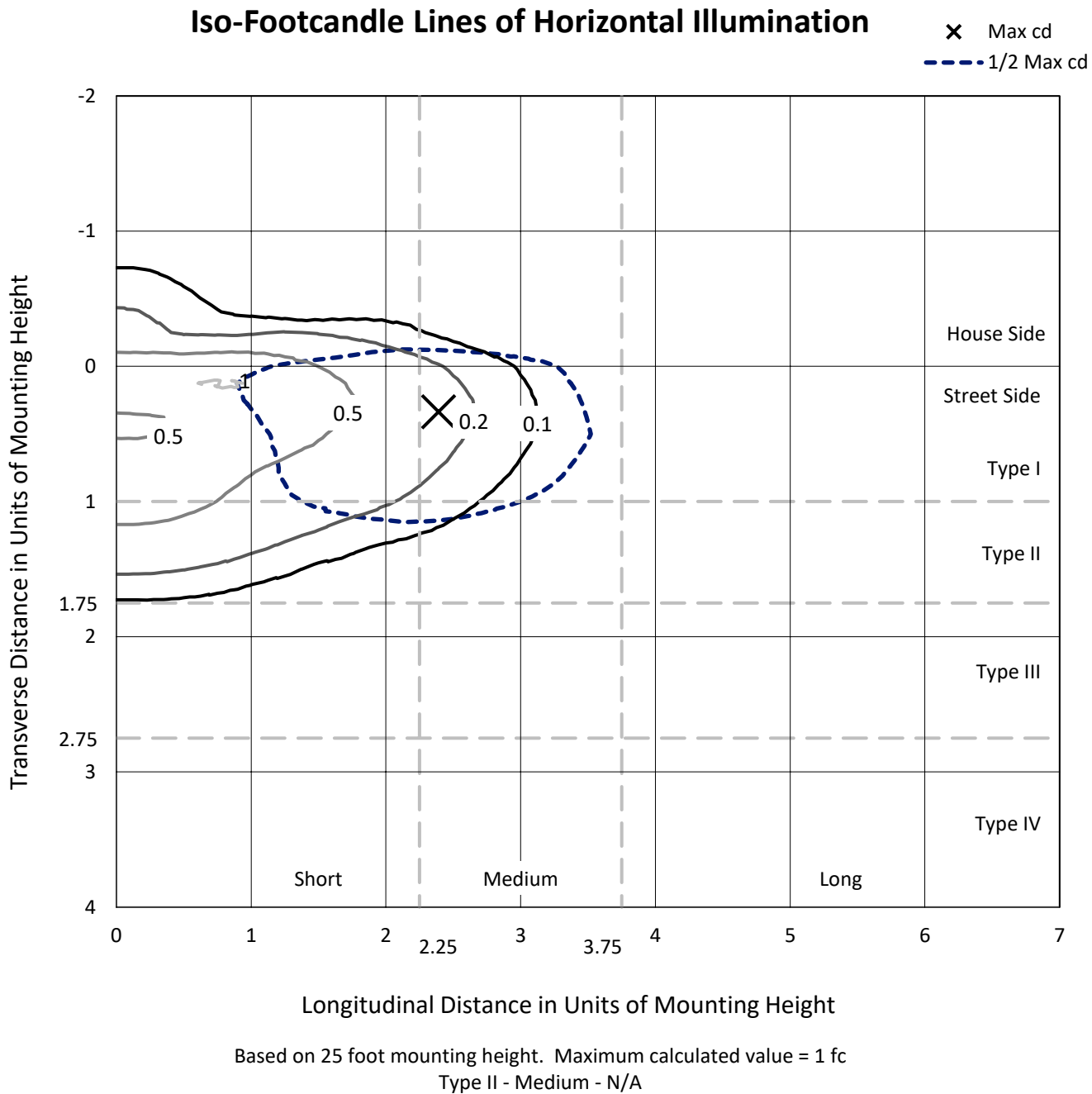
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2944 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9  
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

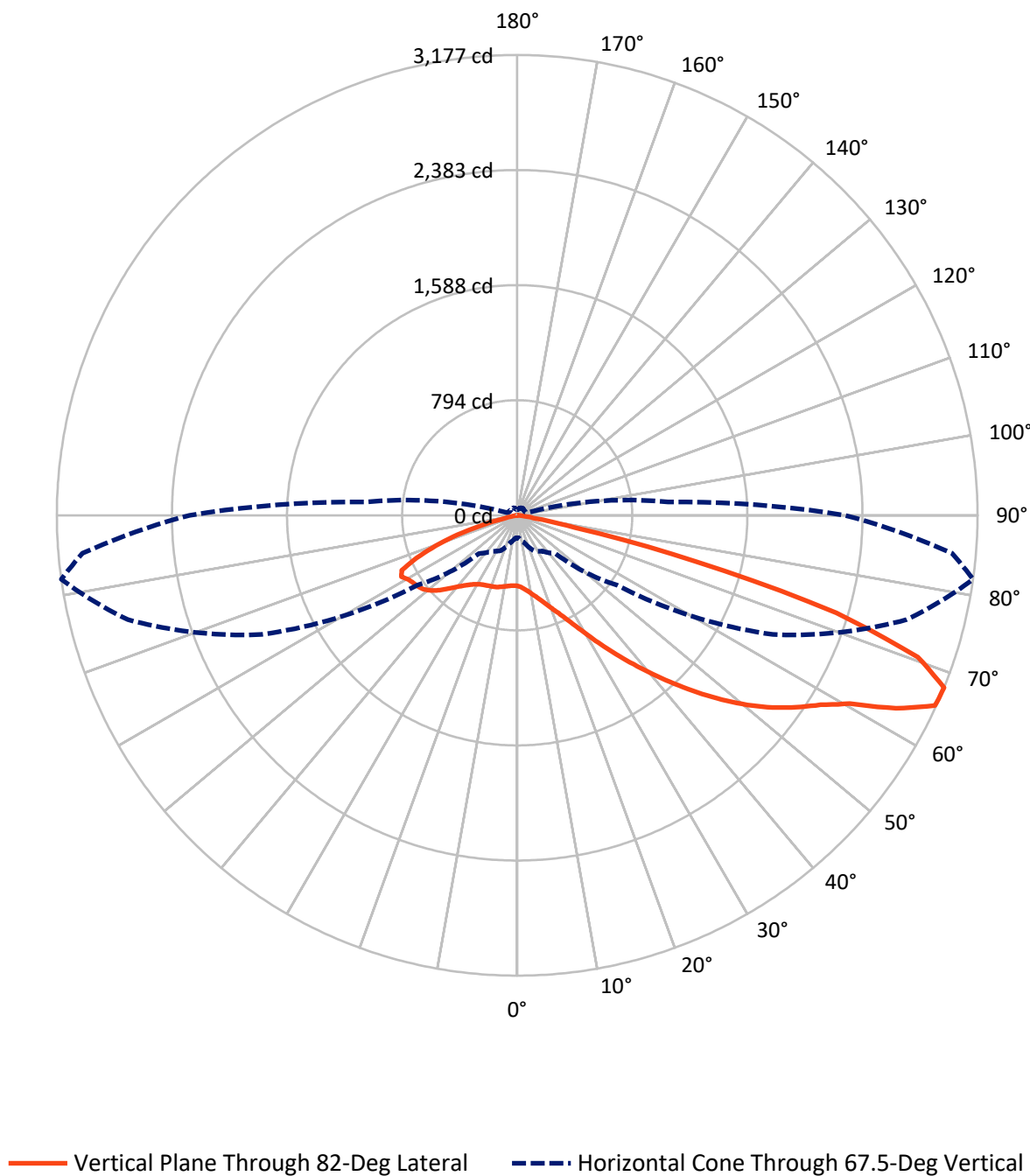


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## Luminous Intensity Polar Plot



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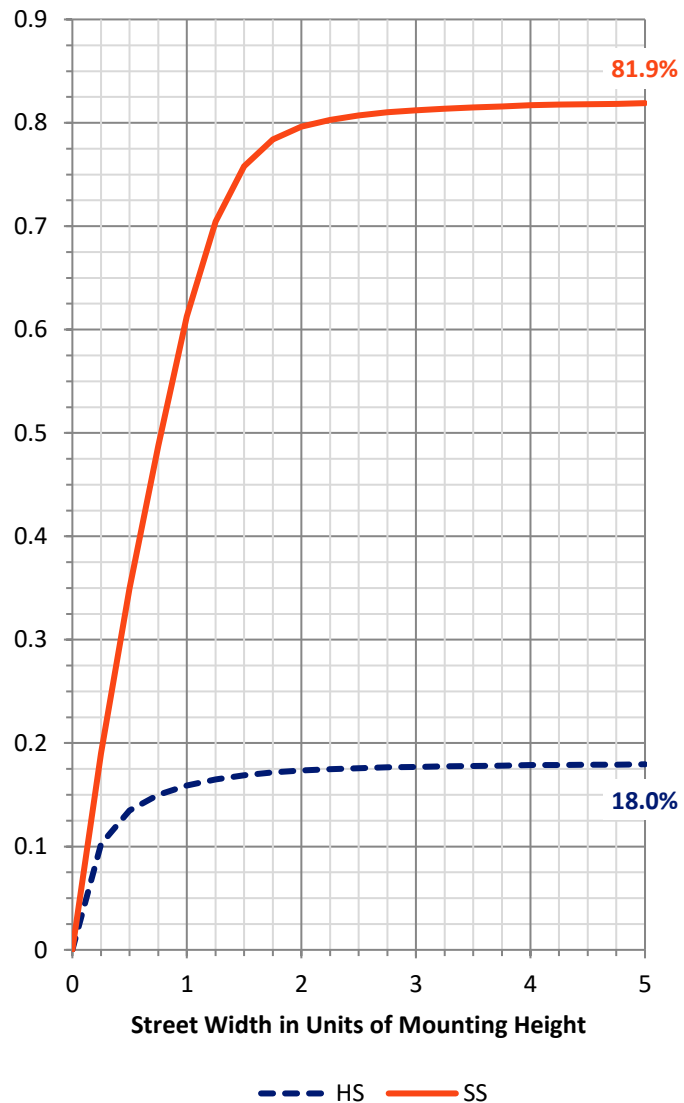
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 533.3    | 0.0    | 533.3  |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 2410.7   | 0.0    | 2410.7 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 2944.0   | 0.0    | 2944.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.5   | 1.5       |
| 10°-20°   | 112.9  | 3.8       |
| 20°-30°   | 180.9  | 6.1       |
| 30°-40°   | 319.8  | 10.9      |
| 40°-50°   | 560.3  | 19.0      |
| 50°-60°   | 747.3  | 25.4      |
| 60°-70°   | 695.7  | 23.6      |
| 70°-80°   | 267.0  | 9.1       |
| 80°-90°   | 16.6   | 0.6       |
| 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°    | 2944.0 | 100.0     |
| 0°-180°   | 2944.0 | 100.0     |

**Coefficient of Utilization**



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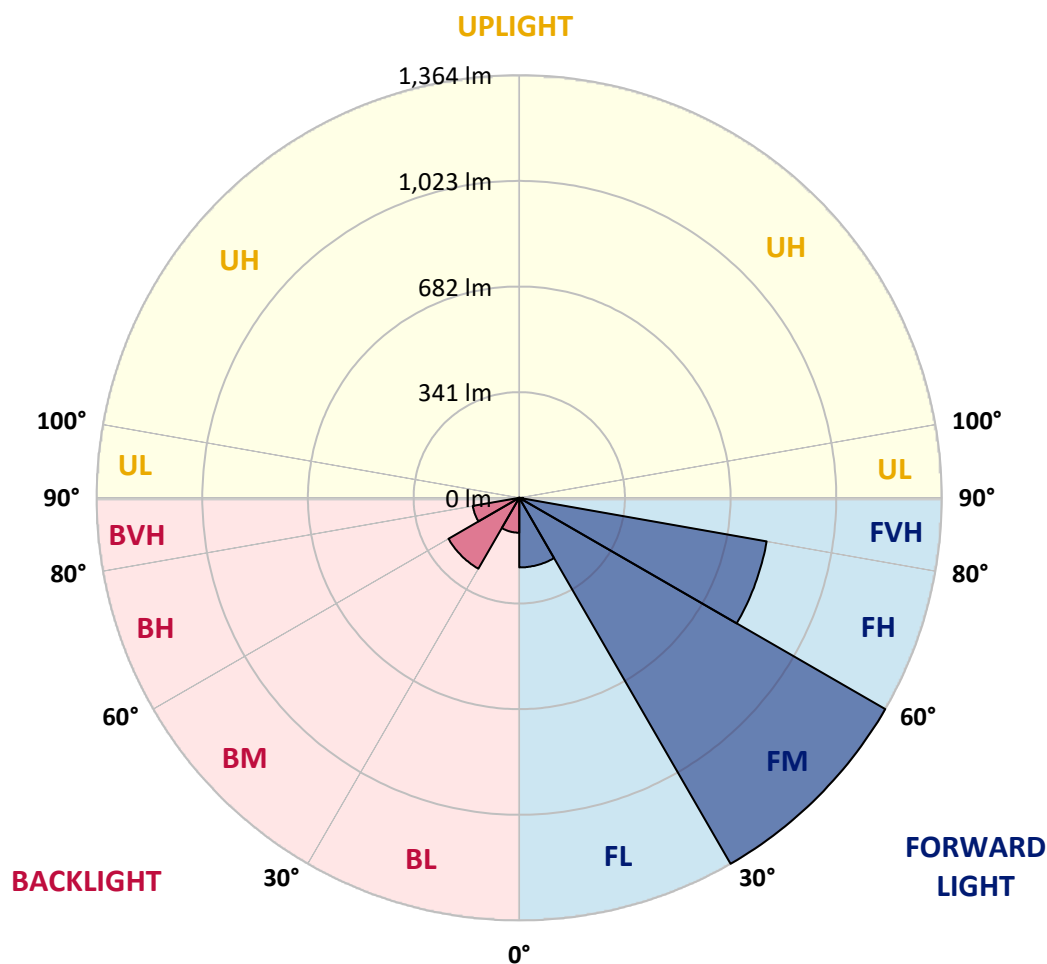
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 224.6  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 1363.5 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 810.5  | 27.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 12.1   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 112.6  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 263.9  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 152.2  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.5    | 0.2       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  | 487.7  |
| 2.5°  | 515.5  | 518.5  | 516.8  | 515.9  | 514.4  | 512.3  | 510.6  | 505.3  | 499.8  | 496.2  |
| 5°    | 525.9  | 528.8  | 528.6  | 529.5  | 530.5  | 531.2  | 530.7  | 524.8  | 517.0  | 510.8  |
| 7.5°  | 517.0  | 520.4  | 523.1  | 527.4  | 534.8  | 542.6  | 546.4  | 545.2  | 537.1  | 528.6  |
| 10°   | 491.7  | 495.4  | 501.9  | 511.9  | 527.6  | 544.5  | 558.7  | 565.3  | 560.2  | 550.9  |
| 12.5° | 445.5  | 449.1  | 462.1  | 483.7  | 510.0  | 539.4  | 566.6  | 584.2  | 585.4  | 576.1  |
| 15°   | 393.6  | 397.2  | 411.0  | 438.1  | 478.2  | 525.5  | 570.8  | 604.1  | 615.3  | 607.3  |
| 17.5° | 361.4  | 364.6  | 375.0  | 396.8  | 438.5  | 497.5  | 569.3  | 625.3  | 650.9  | 644.6  |
| 20°   | 351.6  | 354.4  | 359.3  | 374.5  | 409.3  | 468.4  | 559.6  | 645.2  | 689.3  | 685.7  |
| 22.5° | 362.0  | 364.6  | 366.1  | 372.8  | 394.7  | 449.4  | 547.3  | 665.6  | 733.8  | 734.2  |
| 25°   | 386.0  | 388.5  | 386.8  | 391.1  | 400.6  | 443.4  | 542.6  | 689.5  | 789.8  | 794.4  |
| 27.5° | 425.4  | 425.6  | 421.6  | 421.4  | 422.9  | 452.3  | 547.5  | 715.2  | 860.3  | 869.0  |
| 30°   | 504.5  | 501.3  | 485.8  | 469.1  | 461.4  | 479.0  | 561.1  | 745.5  | 943.6  | 959.1  |
| 32.5° | 626.3  | 621.7  | 593.3  | 553.2  | 512.9  | 522.1  | 585.4  | 780.0  | 1034.4 | 1062.3 |
| 35°   | 758.6  | 757.3  | 727.7  | 668.1  | 597.7  | 583.3  | 625.1  | 825.4  | 1133.4 | 1177.9 |
| 37.5° | 881.5  | 880.9  | 864.0  | 793.8  | 708.2  | 668.7  | 688.7  | 884.7  | 1239.3 | 1303.8 |
| 40°   | 993.9  | 995.8  | 978.8  | 916.1  | 829.8  | 778.3  | 775.1  | 958.1  | 1357.2 | 1440.9 |
| 42.5° | 1091.0 | 1093.1 | 1075.9 | 1029.5 | 950.0  | 899.6  | 881.3  | 1047.9 | 1472.3 | 1588.2 |
| 45°   | 1156.9 | 1170.0 | 1167.5 | 1130.4 | 1073.4 | 1021.0 | 1008.9 | 1160.7 | 1603.5 | 1744.4 |
| 47.5° | 1175.5 | 1187.6 | 1206.7 | 1211.8 | 1177.0 | 1125.5 | 1139.9 | 1296.6 | 1736.2 | 1900.9 |
| 50°   | 1129.5 | 1140.8 | 1180.4 | 1233.2 | 1257.3 | 1241.5 | 1267.3 | 1442.2 | 1872.0 | 2056.9 |
| 52.5° | 1038.8 | 1050.3 | 1100.3 | 1183.8 | 1282.4 | 1332.4 | 1395.1 | 1585.7 | 2003.7 | 2204.6 |
| 55°   | 907.6  | 919.7  | 983.9  | 1078.5 | 1234.7 | 1369.9 | 1501.7 | 1729.0 | 2124.3 | 2337.5 |
| 57.5° | 729.1  | 738.0  | 804.8  | 937.1  | 1114.7 | 1332.6 | 1580.4 | 1885.4 | 2237.9 | 2468.1 |
| 60°   | 475.2  | 483.1  | 560.6  | 708.2  | 915.9  | 1208.0 | 1596.1 | 2059.8 | 2388.8 | 2637.8 |
| 62.5° | 316.0  | 321.3  | 367.3  | 475.6  | 645.0  | 968.7  | 1504.3 | 2199.1 | 2610.1 | 2933.3 |
| 65°   | 216.8  | 222.1  | 268.1  | 343.6  | 416.7  | 640.8  | 1240.4 | 2180.6 | 2810.6 | 3168.0 |
| 67.5° | 154.7  | 159.2  | 198.2  | 269.4  | 301.6  | 372.2  | 840.8  | 1944.9 | 2781.8 | 3176.9 |
| 70°   | 110.9  | 113.4  | 145.6  | 209.8  | 239.7  | 223.6  | 467.6  | 1487.5 | 2435.6 | 2933.5 |
| 72.5° | 77.6   | 78.4   | 101.1  | 159.8  | 193.1  | 163.2  | 222.6  | 991.8  | 1842.1 | 2302.5 |
| 75°   | 52.6   | 53.6   | 68.0   | 117.2  | 154.9  | 124.6  | 117.9  | 531.8  | 1081.4 | 1274.5 |
| 77.5° | 32.2   | 32.6   | 43.9   | 80.1   | 115.9  | 95.0   | 75.9   | 225.3  | 418.4  | 410.8  |
| 80°   | 18.2   | 18.2   | 28.0   | 49.8   | 79.1   | 61.3   | 53.2   | 95.8   | 132.5  | 116.4  |
| 82.5° | 10.2   | 10.4   | 20.3   | 30.9   | 52.4   | 36.2   | 29.3   | 44.3   | 57.2   | 50.7   |
| 85°   | 4.2    | 4.7    | 12.5   | 14.6   | 25.0   | 18.0   | 11.9   | 18.7   | 21.2   | 18.9   |
| 87.5° | 0.4    | 0.6    | 3.8    | 2.8    | 3.0    | 3.6    | 1.7    | 3.6    | 3.0    | 3.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 487.7  | 0°    | 487.7  | 487.7  | 487.7 | 487.7 | 487.7 | 487.7 | 487.7 | 487.7 | 487.7 | 487.7 |
| 494.9  | 2.5°  | 490.9  | 487.7  | 479.7 | 470.3 | 458.0 | 452.1 | 444.1 | 438.5 | 433.9 | 434.3 |
| 507.2  | 5°    | 500.4  | 492.4  | 474.4 | 451.9 | 423.9 | 404.0 | 382.8 | 368.2 | 356.3 | 353.8 |
| 524.2  | 7.5°  | 513.6  | 500.9  | 469.3 | 428.8 | 381.5 | 345.7 | 313.7 | 293.1 | 278.5 | 273.9 |
| 544.7  | 10°   | 530.5  | 512.1  | 462.7 | 399.8 | 331.7 | 286.1 | 251.8 | 235.7 | 225.7 | 222.3 |
| 568.9  | 12.5° | 550.2  | 525.0  | 454.0 | 364.4 | 280.4 | 236.5 | 214.7 | 206.7 | 203.5 | 202.4 |
| 598.6  | 15°   | 575.0  | 541.1  | 440.9 | 322.4 | 237.0 | 206.2 | 196.9 | 195.9 | 196.3 | 195.9 |
| 634.2  | 17.5° | 604.5  | 558.7  | 419.5 | 279.2 | 207.7 | 190.8 | 187.4 | 188.2 | 189.3 | 189.1 |
| 674.0  | 20°   | 636.7  | 576.1  | 392.1 | 240.8 | 187.8 | 179.7 | 177.8 | 178.7 | 179.5 | 179.1 |
| 720.0  | 22.5° | 673.4  | 594.8  | 361.8 | 210.9 | 174.4 | 169.6 | 167.4 | 167.7 | 167.7 | 166.8 |
| 778.3  | 25°   | 717.3  | 615.3  | 330.0 | 189.7 | 164.3 | 160.5 | 157.9 | 157.1 | 155.8 | 153.2 |
| 849.1  | 27.5° | 769.6  | 637.2  | 299.5 | 174.9 | 156.2 | 152.6 | 149.6 | 147.5 | 144.3 | 140.1 |
| 934.1  | 30°   | 828.6  | 663.6  | 273.6 | 165.5 | 149.9 | 146.3 | 142.9 | 139.7 | 135.0 | 129.7 |
| 1031.8 | 32.5° | 897.9  | 692.1  | 254.8 | 159.4 | 144.1 | 140.3 | 136.3 | 132.5 | 127.4 | 122.1 |
| 1141.6 | 35°   | 980.5  | 726.4  | 243.8 | 155.2 | 139.7 | 134.6 | 130.1 | 125.9 | 122.1 | 117.4 |
| 1261.0 | 37.5° | 1070.2 | 762.8  | 240.4 | 153.0 | 136.7 | 128.9 | 123.8 | 120.8 | 120.4 | 117.6 |
| 1390.0 | 40°   | 1168.3 | 806.1  | 242.9 | 151.8 | 133.5 | 123.4 | 117.9 | 117.2 | 118.3 | 113.4 |
| 1528.0 | 42.5° | 1272.2 | 857.4  | 247.1 | 150.3 | 129.1 | 117.9 | 112.6 | 112.6 | 111.7 | 104.9 |
| 1673.9 | 45°   | 1384.5 | 916.5  | 251.4 | 146.7 | 123.8 | 112.3 | 108.3 | 106.8 | 103.2 | 96.7  |
| 1820.5 | 47.5° | 1497.7 | 976.7  | 254.6 | 140.1 | 117.4 | 107.7 | 104.1 | 100.7 | 95.4  | 89.4  |
| 1964.5 | 50°   | 1605.2 | 1030.8 | 251.2 | 130.4 | 110.2 | 103.2 | 99.4  | 94.7  | 89.0  | 85.0  |
| 2100.7 | 52.5° | 1701.2 | 1077.6 | 236.8 | 118.9 | 102.6 | 98.6  | 95.2  | 90.3  | 85.6  | 81.4  |
| 2223.7 | 55°   | 1784.7 | 1115.5 | 211.3 | 108.1 | 95.8  | 94.5  | 91.1  | 85.0  | 78.6  | 75.0  |
| 2345.6 | 57.5° | 1864.8 | 1144.4 | 179.5 | 99.2  | 89.7  | 90.1  | 85.0  | 79.5  | 73.6  | 69.7  |
| 2509.8 | 60°   | 1971.4 | 1183.0 | 147.3 | 90.9  | 83.1  | 84.4  | 78.8  | 74.8  | 67.4  | 62.5  |
| 2791.5 | 62.5° | 2141.9 | 1242.9 | 117.0 | 80.8  | 75.5  | 75.9  | 73.6  | 68.7  | 59.8  | 54.0  |
| 3000.3 | 65°   | 2277.1 | 1220.9 | 92.2  | 69.7  | 66.8  | 67.4  | 67.4  | 62.1  | 52.6  | 46.0  |
| 3011.5 | 67.5° | 2261.8 | 1045.4 | 73.6  | 58.9  | 58.5  | 58.9  | 60.4  | 56.0  | 46.6  | 41.3  |
| 2782.2 | 70°   | 2083.6 | 831.5  | 58.9  | 49.0  | 50.9  | 49.8  | 54.0  | 51.1  | 42.0  | 36.7  |
| 2156.9 | 72.5° | 1700.1 | 599.0  | 44.9  | 40.5  | 39.0  | 40.7  | 48.8  | 46.0  | 35.0  | 29.0  |
| 1142.5 | 75°   | 993.5  | 319.6  | 33.5  | 32.0  | 28.2  | 33.9  | 43.2  | 39.2  | 26.7  | 21.4  |
| 350.2  | 77.5° | 323.5  | 111.5  | 24.6  | 23.5  | 21.0  | 27.3  | 36.9  | 33.1  | 21.8  | 17.0  |
| 102.6  | 80°   | 86.7   | 33.7   | 16.7  | 15.5  | 13.6  | 20.3  | 29.3  | 26.3  | 15.7  | 11.0  |
| 44.1   | 82.5° | 34.8   | 14.2   | 9.8   | 8.7   | 7.4   | 14.0  | 23.1  | 21.2  | 11.7  | 7.0   |
| 13.8   | 85°   | 11.2   | 4.7    | 3.6   | 2.8   | 3.4   | 8.7   | 13.8  | 14.4  | 8.3   | 3.6   |
| 2.1    | 87.5° | 1.5    | 0.6    | 0.6   | 0.8   | 0.6   | 1.5   | 4.2   | 4.0   | 2.3   | 0.4   |
| 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°  |
|-------|
| 487.7 |
| 430.1 |
| 348.0 |
| 269.2 |
| 219.8 |
| 201.8 |
| 195.6 |
| 188.6 |
| 178.9 |
| 166.4 |
| 152.8 |
| 139.7 |
| 129.3 |
| 122.3 |
| 117.0 |
| 117.4 |
| 113.6 |
| 104.9 |
| 96.4  |
| 89.2  |
| 84.4  |
| 81.0  |
| 74.6  |
| 69.3  |
| 61.9  |
| 53.6  |
| 45.4  |
| 40.5  |
| 36.0  |
| 28.4  |
| 20.8  |
| 16.3  |
| 10.8  |
| 7.0   |
| 2.8   |
| 0.0   |
| 0.0   |