

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: P945068

Luminaire Tested: **GLAN-SB1A-850-U-SL3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945068  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-850-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

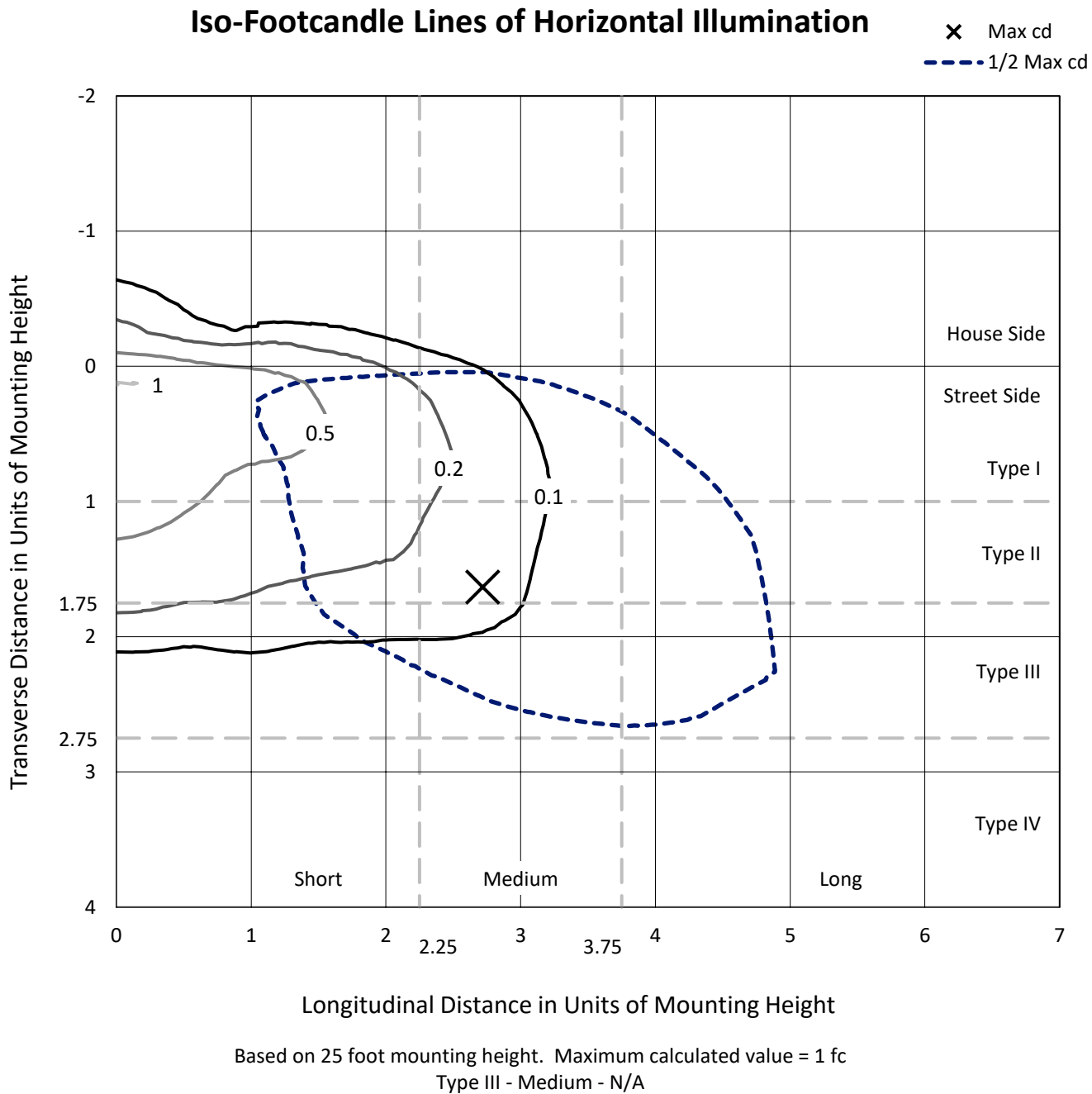
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3456 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - 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

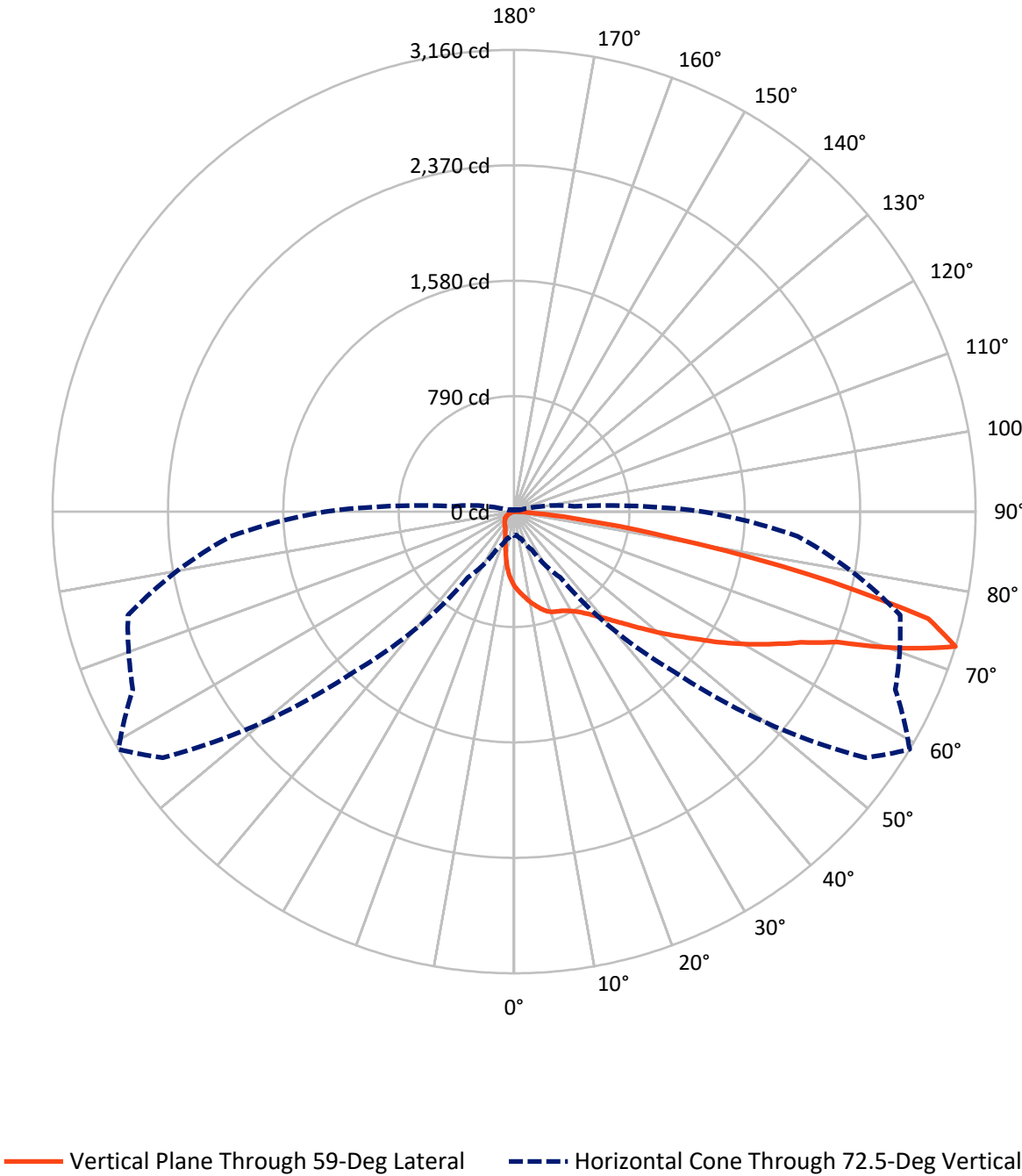


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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 365.0    | 0.0    | 365.0  |
|                    | % Fixture | 10.6     | 0.0    | 10.6   |
| <b>Street Side</b> | Lumens    | 3091.0   | 0.0    | 3091.0 |
|                    | % Fixture | 89.4     | 0.0    | 89.4   |
| <b>Total</b>       | Lumens    | 3456.0   | 0.0    | 3456.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.2   | 1.3       |
| 10°-20°   | 122.8  | 3.6       |
| 20°-30°   | 194.6  | 5.6       |
| 30°-40°   | 312.4  | 9.0       |
| 40°-50°   | 498.9  | 14.4      |
| 50°-60°   | 722.3  | 20.9      |
| 60°-70°   | 857.2  | 24.8      |
| 70°-80°   | 636.4  | 18.4      |
| 80°-90°   | 65.1   | 1.9       |
| 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°    | 3456.0 | 100.0     |
| 0°-180°   | 3456.0 | 100.0     |

**Coefficient of Utilization**



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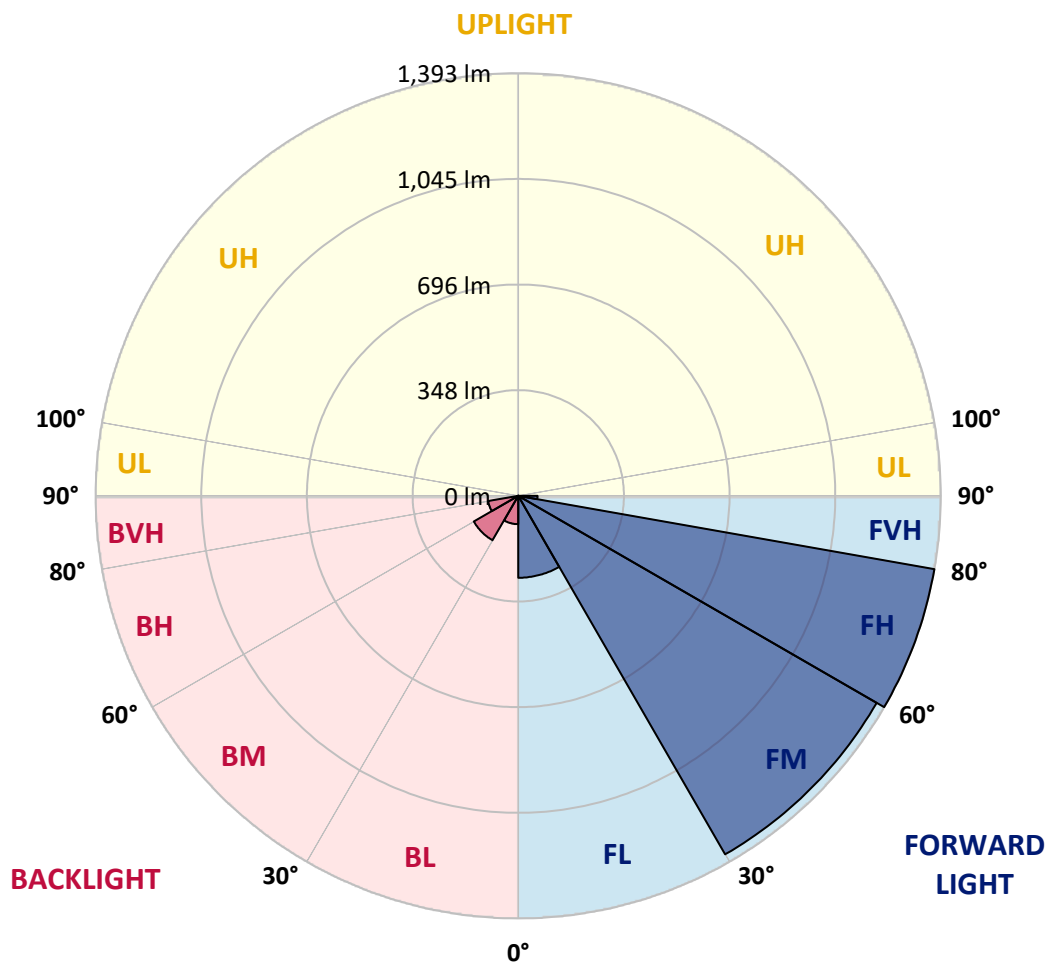
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 270.2  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 1364.4 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 1393.0 | 40.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 63.4   | 1.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 93.5   | 2.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 169.2  | 4.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 100.7  | 2.9       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.6    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  | 511.1  |
| 2.5°  | 567.0  | 563.9  | 564.3  | 558.9  | 555.1  | 551.0  | 543.1  | 542.0  | 536.3  | 526.4  |
| 5°    | 616.4  | 614.4  | 612.6  | 606.5  | 598.6  | 588.7  | 575.4  | 570.6  | 560.2  | 543.1  |
| 7.5°  | 652.5  | 650.1  | 651.0  | 644.9  | 638.5  | 627.5  | 609.2  | 600.4  | 586.6  | 560.5  |
| 10°   | 659.5  | 658.2  | 664.0  | 666.3  | 666.3  | 659.3  | 641.5  | 632.7  | 612.6  | 579.2  |
| 12.5° | 620.3  | 620.5  | 635.2  | 652.8  | 675.8  | 682.3  | 670.4  | 660.9  | 641.0  | 599.1  |
| 15°   | 574.5  | 574.7  | 588.9  | 611.5  | 649.1  | 686.8  | 696.3  | 690.2  | 669.7  | 620.5  |
| 17.5° | 546.9  | 545.8  | 555.3  | 573.8  | 613.3  | 666.3  | 712.1  | 716.2  | 699.5  | 644.2  |
| 20°   | 543.1  | 541.1  | 546.0  | 555.3  | 583.5  | 640.6  | 713.9  | 733.1  | 730.2  | 671.0  |
| 22.5° | 566.6  | 563.4  | 560.7  | 561.2  | 573.1  | 619.1  | 709.4  | 742.6  | 761.7  | 703.3  |
| 25°   | 613.0  | 608.1  | 599.3  | 588.0  | 585.5  | 614.6  | 706.2  | 752.9  | 791.1  | 744.6  |
| 27.5° | 669.9  | 662.9  | 646.0  | 629.1  | 614.6  | 627.3  | 712.8  | 769.4  | 824.2  | 792.7  |
| 30°   | 732.4  | 723.8  | 706.9  | 674.9  | 651.9  | 655.5  | 728.3  | 791.1  | 866.7  | 847.0  |
| 32.5° | 824.2  | 804.4  | 774.8  | 725.9  | 695.4  | 685.9  | 751.8  | 818.6  | 919.2  | 919.5  |
| 35°   | 903.0  | 891.9  | 862.1  | 801.2  | 738.7  | 726.3  | 782.7  | 857.4  | 992.1  | 1015.4 |
| 37.5° | 954.7  | 939.5  | 913.4  | 867.6  | 806.0  | 767.8  | 824.0  | 905.0  | 1069.3 | 1124.6 |
| 40°   | 1012.4 | 997.5  | 962.8  | 919.7  | 884.0  | 839.1  | 876.1  | 959.8  | 1153.9 | 1236.7 |
| 42.5° | 1082.1 | 1062.7 | 1021.7 | 975.2  | 938.0  | 933.0  | 944.3  | 1028.2 | 1240.8 | 1358.5 |
| 45°   | 1164.0 | 1145.8 | 1098.6 | 1039.9 | 1007.2 | 998.4  | 1030.0 | 1107.9 | 1337.6 | 1492.1 |
| 47.5° | 1240.8 | 1219.5 | 1168.8 | 1115.3 | 1079.0 | 1051.2 | 1121.2 | 1202.0 | 1447.2 | 1631.8 |
| 50°   | 1306.0 | 1284.3 | 1237.8 | 1180.7 | 1156.1 | 1119.8 | 1210.7 | 1306.9 | 1556.0 | 1773.7 |
| 52.5° | 1350.6 | 1331.5 | 1276.9 | 1238.1 | 1221.4 | 1203.1 | 1315.7 | 1418.1 | 1664.3 | 1903.7 |
| 55°   | 1340.5 | 1323.3 | 1275.3 | 1272.6 | 1271.4 | 1290.6 | 1441.1 | 1544.2 | 1774.6 | 2026.6 |
| 57.5° | 1308.2 | 1288.8 | 1228.8 | 1270.1 | 1310.0 | 1368.7 | 1577.0 | 1693.4 | 1895.5 | 2142.6 |
| 60°   | 1213.2 | 1206.5 | 1169.9 | 1265.4 | 1326.3 | 1445.2 | 1732.2 | 1843.2 | 2026.4 | 2244.6 |
| 62.5° | 1012.2 | 1018.1 | 1017.8 | 1275.3 | 1355.6 | 1532.3 | 1873.2 | 1994.8 | 2154.3 | 2342.8 |
| 65°   | 757.9  | 778.2  | 804.2  | 1185.9 | 1394.9 | 1687.7 | 2041.8 | 2159.3 | 2284.3 | 2456.9 |
| 67.5° | 509.3  | 525.5  | 543.1  | 972.9  | 1278.0 | 1851.1 | 2321.8 | 2384.7 | 2440.0 | 2583.5 |
| 70°   | 291.5  | 296.7  | 321.3  | 607.6  | 985.1  | 1806.0 | 2777.8 | 2800.6 | 2672.2 | 2739.4 |
| 72.5° | 163.4  | 161.6  | 194.0  | 288.4  | 550.5  | 1546.5 | 2937.5 | 3159.8 | 2880.0 | 2736.9 |
| 75°   | 109.2  | 109.4  | 133.6  | 181.9  | 214.6  | 1082.6 | 2531.4 | 2929.9 | 2755.4 | 2426.9 |
| 77.5° | 74.5   | 76.9   | 98.2   | 140.6  | 99.3   | 528.2  | 1674.7 | 2052.4 | 2230.8 | 1874.1 |
| 80°   | 32.3   | 32.5   | 64.8   | 100.9  | 67.0   | 168.1  | 868.2  | 1099.5 | 1399.2 | 1052.4 |
| 82.5° | 16.7   | 19.0   | 41.3   | 65.2   | 42.2   | 58.9   | 410.2  | 480.4  | 587.1  | 308.9  |
| 85°   | 5.9    | 7.0    | 25.5   | 32.0   | 21.2   | 21.0   | 142.8  | 145.5  | 124.3  | 46.5   |
| 87.5° | 0.0    | 1.1    | 9.9    | 7.9    | 2.7    | 2.5    | 16.9   | 14.2   | 11.3   | 6.5    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 511.1  | 0°    | 511.1  | 511.1 | 511.1 | 511.1 | 511.1 | 511.1 | 511.1 | 511.1 | 511.1 | 511.1 |
| 516.2  | 2.5°  | 511.5  | 505.4 | 495.5 | 483.3 | 469.1 | 461.4 | 450.4 | 443.6 | 437.5 | 437.7 |
| 523.2  | 5°    | 512.2  | 502.0 | 476.8 | 449.9 | 420.1 | 398.2 | 373.9 | 356.7 | 343.6 | 340.5 |
| 530.5  | 7.5°  | 514.2  | 497.1 | 455.8 | 411.1 | 361.5 | 324.7 | 291.1 | 269.9 | 257.9 | 254.7 |
| 537.9  | 10°   | 516.9  | 491.7 | 432.1 | 363.7 | 302.1 | 257.9 | 229.9 | 216.4 | 211.0 | 206.9 |
| 547.4  | 12.5° | 519.2  | 486.0 | 402.3 | 314.8 | 249.3 | 214.8 | 193.6 | 182.3 | 177.6 | 174.6 |
| 558.4  | 15°   | 523.0  | 478.6 | 370.0 | 269.2 | 213.7 | 185.5 | 165.4 | 157.0 | 155.7 | 156.1 |
| 570.6  | 17.5° | 526.9  | 471.3 | 333.9 | 233.5 | 187.5 | 159.7 | 147.6 | 146.2 | 148.0 | 149.8 |
| 584.6  | 20°   | 531.1  | 461.0 | 297.4 | 206.7 | 163.4 | 141.9 | 138.8 | 139.7 | 140.6 | 143.7 |
| 603.8  | 22.5° | 537.5  | 447.9 | 265.3 | 183.9 | 143.3 | 133.3 | 131.8 | 132.4 | 133.1 | 136.3 |
| 629.1  | 25°   | 546.5  | 433.9 | 239.4 | 162.9 | 130.6 | 126.4 | 124.8 | 124.8 | 125.7 | 128.6 |
| 658.4  | 27.5° | 556.0  | 414.0 | 218.4 | 143.5 | 123.2 | 118.7 | 116.0 | 116.0 | 117.1 | 120.5 |
| 695.2  | 30°   | 566.6  | 396.0 | 201.9 | 129.1 | 116.9 | 111.0 | 107.4 | 106.5 | 107.9 | 112.1 |
| 748.4  | 32.5° | 585.7  | 384.3 | 190.2 | 122.3 | 111.2 | 104.0 | 99.1  | 96.6  | 97.9  | 102.9 |
| 822.9  | 35°   | 614.9  | 381.5 | 182.1 | 118.9 | 105.8 | 97.7  | 90.7  | 86.9  | 88.0  | 93.2  |
| 914.7  | 37.5° | 648.9  | 387.2 | 174.2 | 114.4 | 100.6 | 91.6  | 82.4  | 77.4  | 79.2  | 83.9  |
| 1019.6 | 40°   | 697.9  | 410.7 | 168.1 | 111.0 | 95.4  | 84.4  | 74.0  | 69.0  | 72.0  | 76.0  |
| 1128.8 | 42.5° | 757.0  | 452.4 | 166.5 | 107.9 | 89.1  | 76.7  | 66.3  | 62.7  | 65.0  | 68.8  |
| 1239.2 | 45°   | 830.3  | 505.6 | 173.7 | 103.8 | 82.1  | 69.3  | 60.2  | 58.2  | 58.9  | 62.7  |
| 1343.4 | 47.5° | 909.1  | 560.2 | 193.6 | 100.2 | 76.0  | 63.2  | 55.5  | 53.7  | 53.2  | 56.9  |
| 1438.6 | 50°   | 988.7  | 608.8 | 217.1 | 97.5  | 71.8  | 58.2  | 51.9  | 49.6  | 48.5  | 50.8  |
| 1532.7 | 52.5° | 1067.5 | 647.3 | 232.4 | 93.0  | 67.5  | 53.2  | 48.7  | 45.4  | 43.3  | 44.4  |
| 1626.4 | 55°   | 1147.3 | 681.2 | 233.3 | 86.2  | 63.4  | 50.1  | 45.6  | 41.7  | 39.3  | 39.3  |
| 1716.6 | 57.5° | 1222.0 | 711.0 | 220.0 | 77.2  | 57.8  | 47.2  | 41.3  | 38.1  | 35.4  | 34.5  |
| 1796.7 | 60°   | 1288.1 | 733.1 | 197.9 | 67.0  | 52.8  | 43.3  | 37.0  | 34.5  | 31.1  | 29.3  |
| 1868.0 | 62.5° | 1347.0 | 743.9 | 167.6 | 56.6  | 46.7  | 38.8  | 32.9  | 30.2  | 25.7  | 23.5  |
| 1940.4 | 65°   | 1396.9 | 732.9 | 136.1 | 46.9  | 41.5  | 33.8  | 28.2  | 25.5  | 20.5  | 17.8  |
| 2021.9 | 67.5° | 1446.3 | 682.3 | 102.9 | 39.5  | 36.1  | 28.4  | 23.2  | 20.8  | 17.1  | 14.9  |
| 2081.2 | 70°   | 1452.6 | 576.0 | 72.0  | 33.2  | 30.0  | 21.9  | 18.7  | 17.1  | 14.0  | 12.0  |
| 1948.8 | 72.5° | 1293.1 | 414.5 | 43.8  | 27.1  | 23.5  | 15.6  | 14.9  | 13.5  | 10.4  | 9.0   |
| 1592.3 | 75°   | 1033.6 | 254.1 | 25.7  | 20.3  | 15.6  | 11.1  | 11.1  | 9.7   | 7.0   | 5.9   |
| 1099.3 | 77.5° | 714.4  | 132.9 | 15.1  | 13.1  | 9.3   | 6.5   | 7.2   | 5.9   | 3.4   | 2.7   |
| 435.5  | 80°   | 286.1  | 50.5  | 8.1   | 6.1   | 4.3   | 2.9   | 2.5   | 1.4   | 0.7   | 0.5   |
| 89.4   | 82.5° | 57.1   | 13.3  | 2.7   | 1.6   | 1.6   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   |
| 24.6   | 85°   | 14.7   | 2.9   | 0.7   | 0.5   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 8.1    | 87.5° | 4.5    | 0.0   | 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   |

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| 180°  |
|-------|
| 511.1 |
| 442.7 |
| 345.2 |
| 257.9 |
| 209.4 |
| 176.2 |
| 156.8 |
| 150.5 |
| 144.6 |
| 137.2 |
| 129.7 |
| 121.8 |
| 113.3 |
| 104.2 |
| 94.8  |
| 85.3  |
| 76.7  |
| 69.5  |
| 64.5  |
| 59.1  |
| 51.7  |
| 45.4  |
| 39.7  |
| 34.7  |
| 28.9  |
| 23.2  |
| 17.8  |
| 14.9  |
| 11.7  |
| 8.8   |
| 5.9   |
| 2.7   |
| 0.7   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |