

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: P940194

Luminaire Tested: **GLAN-SB3A-927-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940194  
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-SB3A-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5982 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 84.7  
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

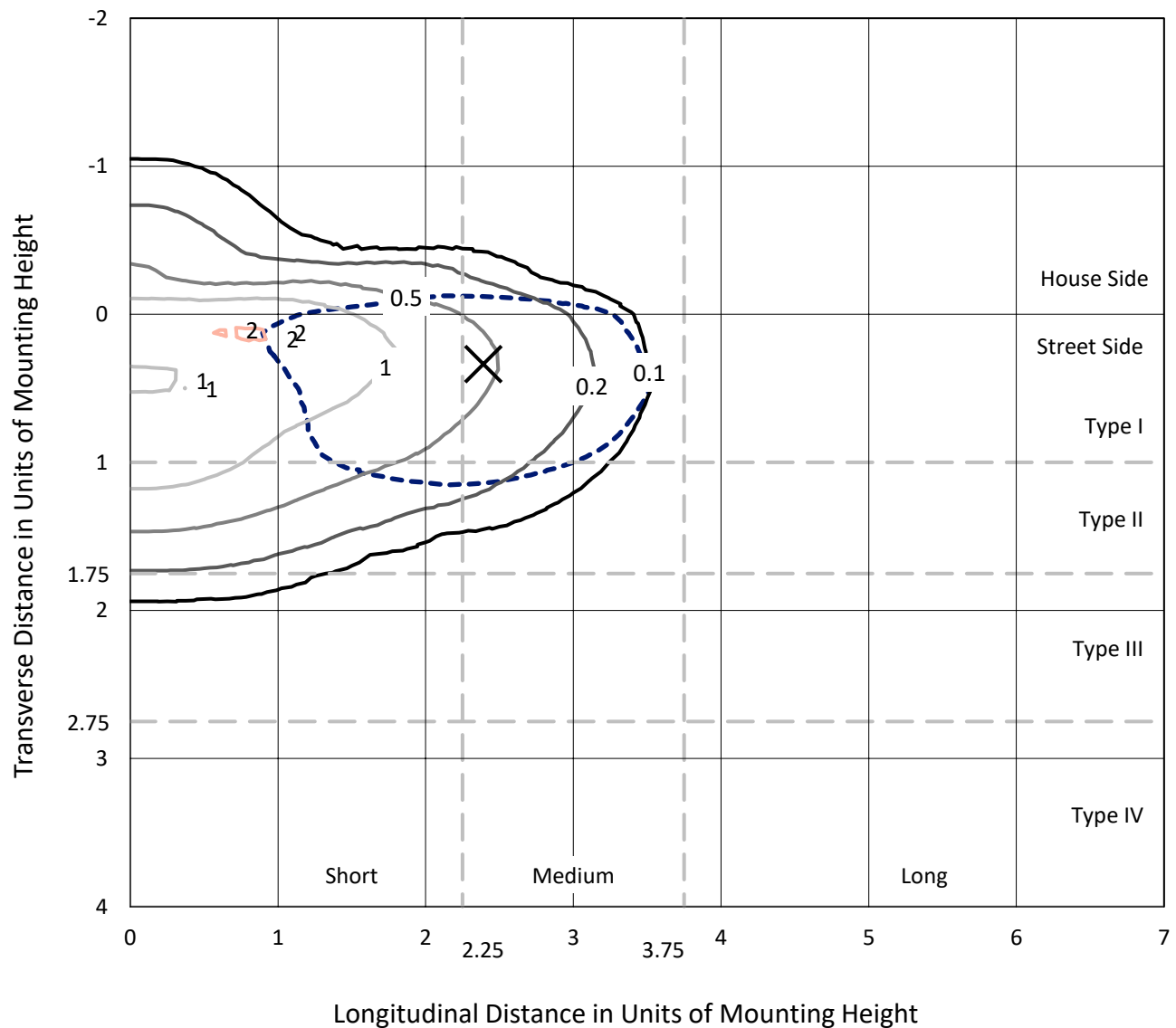


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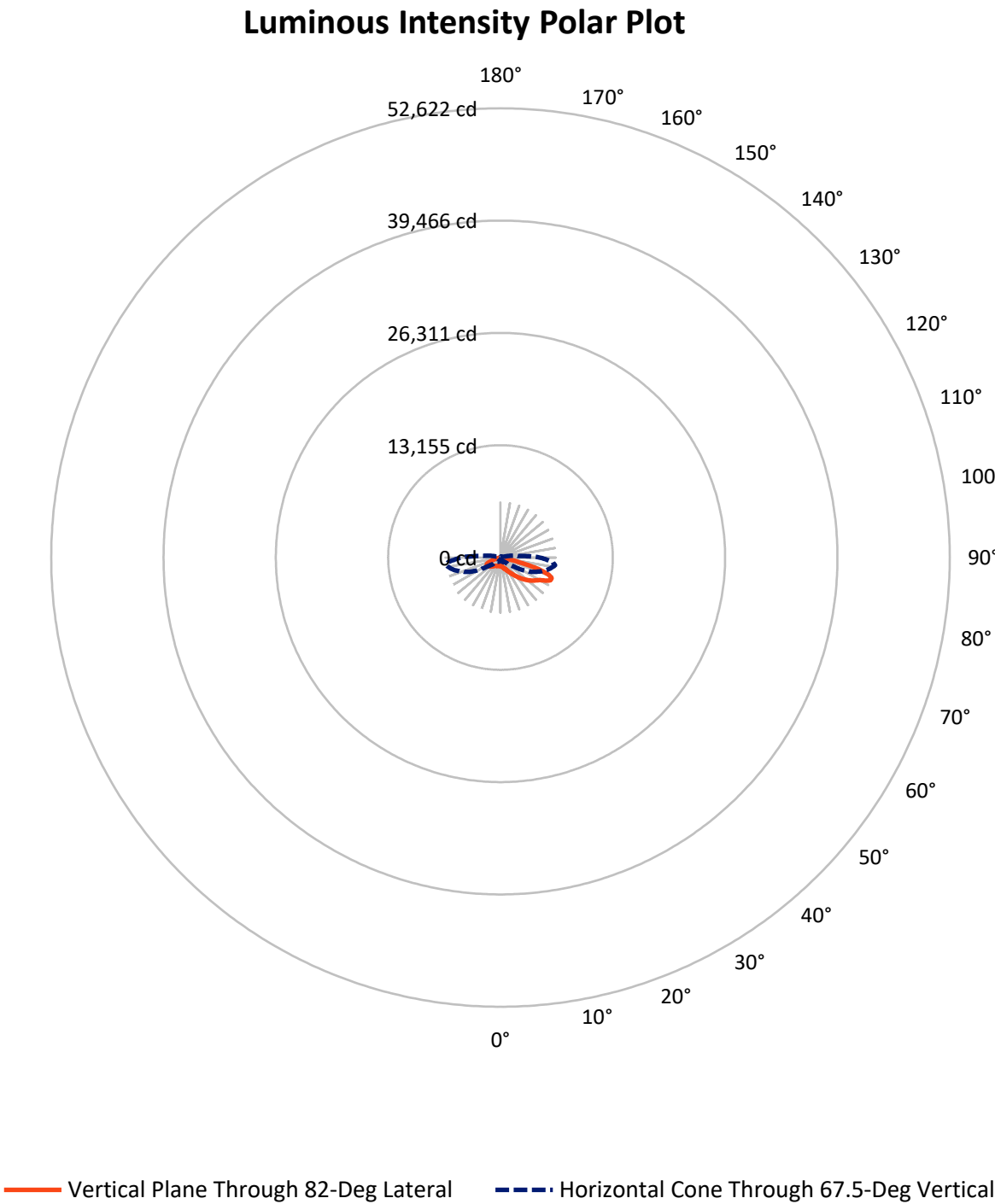
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1083.6   | 0.0    | 1083.6 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 4898.4   | 0.0    | 4898.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 5982.0   | 0.0    | 5982.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.3   | 1.5       |
| 10°-20°   | 229.4  | 3.8       |
| 20°-30°   | 367.5  | 6.1       |
| 30°-40°   | 649.8  | 10.9      |
| 40°-50°   | 1138.6 | 19.0      |
| 50°-60°   | 1518.5 | 25.4      |
| 60°-70°   | 1413.7 | 23.6      |
| 70°-80°   | 542.6  | 9.1       |
| 80°-90°   | 33.7   | 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°    | 5982.0 | 100.0     |
| 0°-180°   | 5982.0 | 100.0     |

**Coefficient of Utilization**



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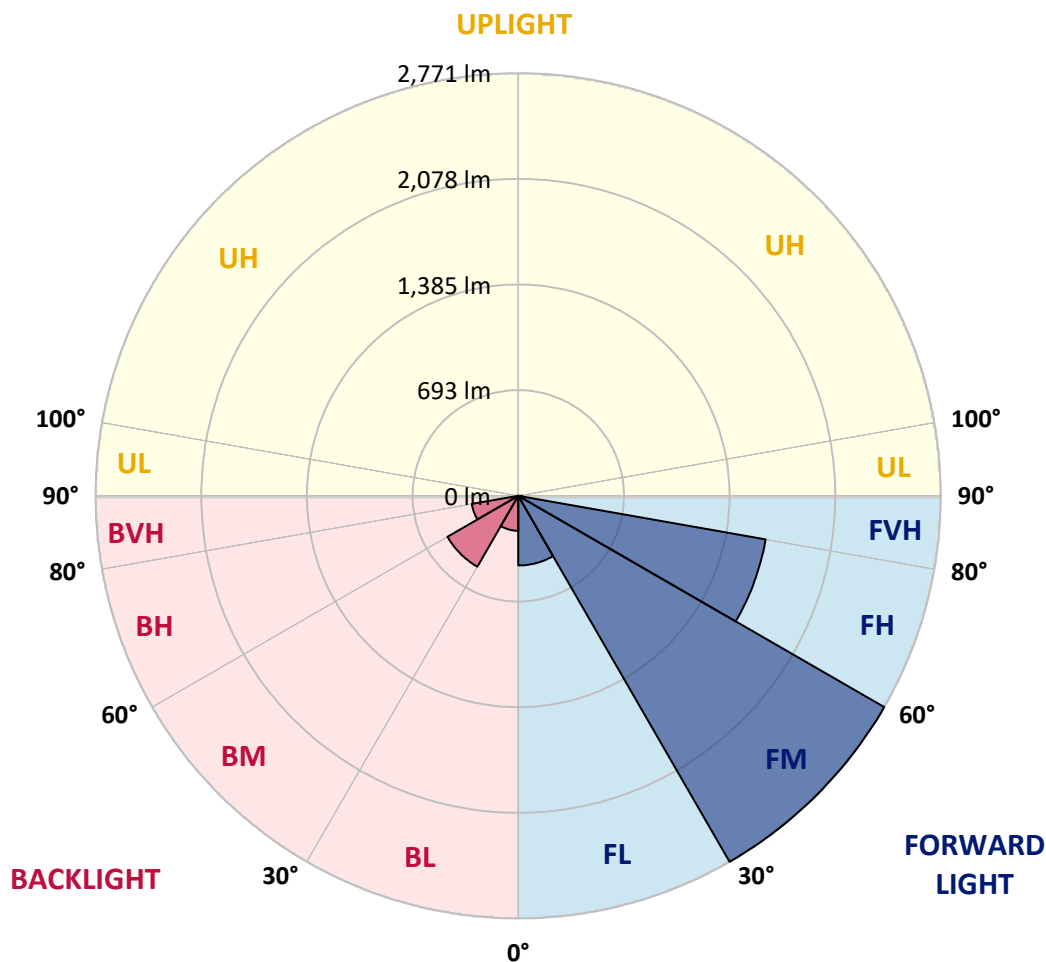
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 456.4  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 2770.6 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 1646.9 | 27.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 24.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 228.9  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 536.3  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 309.3  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.2    | 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°    | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  | 991.0  |
| 2.5°  | 1047.4 | 1053.5 | 1050.0 | 1048.3 | 1045.3 | 1041.0 | 1037.5 | 1026.8 | 1015.6 | 1008.2 |
| 5°    | 1068.5 | 1074.6 | 1074.1 | 1075.9 | 1078.0 | 1079.3 | 1078.4 | 1066.4 | 1050.5 | 1038.0 |
| 7.5°  | 1050.5 | 1057.3 | 1062.9 | 1071.6 | 1086.6 | 1102.6 | 1110.3 | 1107.7 | 1091.4 | 1074.1 |
| 10°   | 999.2  | 1006.5 | 1019.9 | 1040.1 | 1072.0 | 1106.4 | 1135.3 | 1148.6 | 1138.3 | 1119.4 |
| 12.5° | 905.3  | 912.6  | 938.9  | 982.8  | 1036.2 | 1096.1 | 1151.2 | 1187.0 | 1189.6 | 1170.6 |
| 15°   | 799.8  | 807.1  | 835.1  | 890.2  | 971.6  | 1067.7 | 1159.8 | 1227.5 | 1250.3 | 1233.9 |
| 17.5° | 734.3  | 740.8  | 761.9  | 806.2  | 891.1  | 1010.8 | 1156.8 | 1270.5 | 1322.6 | 1309.7 |
| 20°   | 714.5  | 720.1  | 730.0  | 761.0  | 831.7  | 951.8  | 1137.0 | 1311.0 | 1400.6 | 1393.3 |
| 22.5° | 735.6  | 740.8  | 743.8  | 757.6  | 801.9  | 913.1  | 1112.0 | 1352.4 | 1491.0 | 1491.9 |
| 25°   | 784.3  | 789.5  | 786.0  | 794.6  | 814.0  | 901.0  | 1102.6 | 1401.0 | 1604.7 | 1614.2 |
| 27.5° | 864.4  | 864.8  | 856.6  | 856.2  | 859.2  | 919.1  | 1112.5 | 1453.1 | 1748.2 | 1765.8 |
| 30°   | 1025.0 | 1018.6 | 987.1  | 953.1  | 937.6  | 973.4  | 1140.0 | 1514.7 | 1917.4 | 1948.9 |
| 32.5° | 1272.7 | 1263.2 | 1205.5 | 1124.1 | 1042.3 | 1060.8 | 1189.6 | 1584.9 | 2101.8 | 2158.6 |
| 35°   | 1541.4 | 1538.9 | 1478.6 | 1357.5 | 1214.5 | 1185.3 | 1270.1 | 1677.1 | 2302.9 | 2393.3 |
| 37.5° | 1791.2 | 1789.9 | 1755.5 | 1612.9 | 1438.9 | 1358.8 | 1399.3 | 1797.7 | 2518.2 | 2649.2 |
| 40°   | 2019.5 | 2023.4 | 1988.9 | 1861.4 | 1686.1 | 1581.5 | 1575.0 | 1946.7 | 2757.7 | 2927.8 |
| 42.5° | 2216.8 | 2221.1 | 2186.2 | 2091.9 | 1930.3 | 1827.8 | 1790.8 | 2129.3 | 2991.6 | 3227.2 |
| 45°   | 2350.7 | 2377.4 | 2372.2 | 2296.9 | 2181.0 | 2074.6 | 2050.1 | 2358.5 | 3258.2 | 3544.6 |
| 47.5° | 2388.6 | 2413.1 | 2451.9 | 2462.2 | 2391.6 | 2287.0 | 2316.2 | 2634.5 | 3527.8 | 3862.4 |
| 50°   | 2295.1 | 2318.0 | 2398.5 | 2505.7 | 2554.8 | 2522.5 | 2575.1 | 2930.4 | 3803.8 | 4179.4 |
| 52.5° | 2110.8 | 2134.1 | 2235.7 | 2405.4 | 2605.7 | 2707.3 | 2834.8 | 3222.0 | 4071.3 | 4479.6 |
| 55°   | 1844.2 | 1868.8 | 1999.3 | 2191.3 | 2508.8 | 2783.5 | 3051.4 | 3513.1 | 4316.4 | 4749.6 |
| 57.5° | 1481.6 | 1499.7 | 1635.3 | 1904.1 | 2265.0 | 2707.7 | 3211.2 | 3831.0 | 4547.2 | 5014.9 |
| 60°   | 965.6  | 981.5  | 1139.2 | 1438.9 | 1861.0 | 2454.5 | 3243.1 | 4185.4 | 4853.9 | 5359.9 |
| 62.5° | 642.2  | 652.9  | 746.4  | 966.5  | 1310.6 | 1968.2 | 3056.6 | 4468.4 | 5303.5 | 5960.3 |
| 65°   | 440.6  | 451.4  | 544.8  | 698.1  | 846.7  | 1302.0 | 2520.4 | 4430.9 | 5710.9 | 6437.1 |
| 67.5° | 314.4  | 323.4  | 402.7  | 547.4  | 612.9  | 756.3  | 1708.5 | 3952.0 | 5652.4 | 6455.2 |
| 70°   | 225.3  | 230.4  | 295.9  | 426.4  | 487.1  | 454.4  | 950.1  | 3022.6 | 4949.0 | 5960.7 |
| 72.5° | 157.6  | 159.4  | 205.4  | 324.7  | 392.4  | 331.6  | 452.2  | 2015.2 | 3743.1 | 4678.6 |
| 75°   | 106.8  | 109.0  | 138.3  | 238.2  | 314.8  | 253.2  | 239.5  | 1080.6 | 2197.4 | 2589.7 |
| 77.5° | 65.5   | 66.3   | 89.2   | 162.8  | 235.6  | 192.9  | 154.2  | 457.8  | 850.2  | 834.7  |
| 80°   | 37.0   | 37.0   | 56.9   | 101.2  | 160.6  | 124.5  | 108.1  | 194.7  | 269.2  | 236.4  |
| 82.5° | 20.7   | 21.1   | 41.3   | 62.9   | 106.4  | 73.6   | 59.4   | 90.0   | 116.3  | 102.9  |
| 85°   | 8.6    | 9.5    | 25.4   | 29.7   | 50.8   | 36.6   | 24.1   | 37.9   | 43.1   | 38.3   |
| 87.5° | 0.9    | 1.3    | 7.8    | 5.6    | 6.0    | 7.3    | 3.4    | 7.3    | 6.0    | 6.0    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 991.0  | 0°    | 991.0  | 991.0  | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 |
| 1005.7 | 2.5°  | 997.5  | 991.0  | 974.6 | 955.7 | 930.7 | 918.7 | 902.3 | 891.1 | 881.6 | 882.5 |
| 1030.6 | 5°    | 1016.9 | 1000.5 | 963.9 | 918.2 | 861.4 | 820.9 | 777.8 | 748.1 | 724.0 | 718.8 |
| 1065.1 | 7.5°  | 1043.6 | 1017.7 | 953.5 | 871.3 | 775.2 | 702.5 | 637.4 | 595.6 | 565.9 | 556.4 |
| 1106.9 | 10°   | 1078.0 | 1040.5 | 940.2 | 812.3 | 674.0 | 581.4 | 511.7 | 478.9 | 458.7 | 451.8 |
| 1156.0 | 12.5° | 1118.1 | 1066.8 | 922.5 | 740.4 | 569.8 | 480.6 | 436.3 | 419.9 | 413.5 | 411.3 |
| 1216.3 | 15°   | 1168.5 | 1099.5 | 895.8 | 655.1 | 481.5 | 419.1 | 400.1 | 398.0 | 398.8 | 398.0 |
| 1288.6 | 17.5° | 1228.3 | 1135.3 | 852.3 | 567.2 | 422.1 | 387.6 | 380.7 | 382.5 | 384.6 | 384.2 |
| 1369.6 | 20°   | 1293.8 | 1170.6 | 796.8 | 489.3 | 381.6 | 365.2 | 361.3 | 363.1 | 364.8 | 363.9 |
| 1463.0 | 22.5° | 1368.3 | 1208.5 | 735.2 | 428.5 | 354.5 | 344.6 | 340.2 | 340.7 | 340.7 | 339.0 |
| 1581.5 | 25°   | 1457.5 | 1250.3 | 670.6 | 385.5 | 333.8 | 326.0 | 320.9 | 319.1 | 316.6 | 311.4 |
| 1725.3 | 27.5° | 1563.8 | 1294.7 | 608.6 | 355.3 | 317.4 | 310.1 | 304.1 | 299.8 | 293.3 | 284.7 |
| 1898.0 | 30°   | 1683.6 | 1348.5 | 556.0 | 336.4 | 304.5 | 297.2 | 290.3 | 283.8 | 274.3 | 263.6 |
| 2096.6 | 32.5° | 1824.4 | 1406.2 | 517.7 | 323.9 | 292.9 | 285.1 | 276.9 | 269.2 | 258.8 | 248.1 |
| 2319.7 | 35°   | 1992.4 | 1476.0 | 495.3 | 315.3 | 283.8 | 273.5 | 264.4 | 255.8 | 248.1 | 238.6 |
| 2562.2 | 37.5° | 2174.5 | 1550.0 | 488.4 | 311.0 | 277.8 | 261.9 | 251.5 | 245.5 | 244.6 | 239.0 |
| 2824.5 | 40°   | 2374.0 | 1637.9 | 493.6 | 308.4 | 271.3 | 250.7 | 239.5 | 238.2 | 240.3 | 230.4 |
| 3104.8 | 42.5° | 2585.0 | 1742.1 | 502.2 | 305.4 | 262.3 | 239.5 | 228.7 | 228.7 | 227.0 | 213.2 |
| 3401.1 | 45°   | 2813.3 | 1862.3 | 510.8 | 298.0 | 251.5 | 228.3 | 220.1 | 217.1 | 209.7 | 196.4 |
| 3699.2 | 47.5° | 3043.2 | 1984.6 | 517.3 | 284.7 | 238.6 | 218.8 | 211.5 | 204.6 | 193.8 | 181.8 |
| 3991.6 | 50°   | 3261.6 | 2094.4 | 510.4 | 264.9 | 224.0 | 209.7 | 202.0 | 192.5 | 180.9 | 172.7 |
| 4268.6 | 52.5° | 3456.7 | 2189.6 | 481.1 | 241.6 | 208.5 | 200.3 | 193.4 | 183.5 | 174.0 | 165.4 |
| 4518.4 | 55°   | 3626.4 | 2266.7 | 429.4 | 219.7 | 194.7 | 192.1 | 185.2 | 172.7 | 159.8 | 152.5 |
| 4766.0 | 57.5° | 3789.2 | 2325.3 | 364.8 | 201.6 | 182.2 | 183.0 | 172.7 | 161.5 | 149.4 | 141.7 |
| 5099.8 | 60°   | 4005.8 | 2403.7 | 299.3 | 184.8 | 168.8 | 171.4 | 160.2 | 152.0 | 137.0 | 127.1 |
| 5672.2 | 62.5° | 4352.1 | 2525.6 | 237.7 | 164.1 | 153.3 | 154.2 | 149.4 | 139.5 | 121.5 | 109.8 |
| 6096.4 | 65°   | 4626.9 | 2480.8 | 187.3 | 141.7 | 135.7 | 137.0 | 137.0 | 126.2 | 106.8 | 93.5  |
| 6119.2 | 67.5° | 4595.9 | 2124.2 | 149.4 | 119.7 | 118.9 | 119.7 | 122.7 | 113.7 | 94.8  | 84.0  |
| 5653.2 | 70°   | 4233.7 | 1689.6 | 119.7 | 99.5  | 103.4 | 101.2 | 109.8 | 103.8 | 85.3  | 74.5  |
| 4382.7 | 72.5° | 3454.6 | 1217.1 | 91.3  | 82.3  | 79.2  | 82.7  | 99.1  | 93.5  | 71.1  | 59.0  |
| 2321.4 | 75°   | 2018.6 | 649.5  | 68.0  | 65.0  | 57.3  | 68.9  | 87.9  | 79.7  | 54.3  | 43.5  |
| 711.5  | 77.5° | 657.2  | 226.5  | 50.0  | 47.8  | 42.6  | 55.6  | 74.9  | 67.2  | 44.4  | 34.5  |
| 208.5  | 80°   | 176.2  | 68.5   | 34.0  | 31.4  | 27.6  | 41.3  | 59.4  | 53.4  | 31.9  | 22.4  |
| 89.6   | 82.5° | 70.6   | 28.9   | 19.8  | 17.7  | 15.1  | 28.4  | 46.9  | 43.1  | 23.7  | 14.2  |
| 28.0   | 85°   | 22.8   | 9.5    | 7.3   | 5.6   | 6.9   | 17.7  | 28.0  | 29.3  | 16.8  | 7.3   |
| 4.3    | 87.5° | 3.0    | 1.3    | 1.3   | 1.7   | 1.3   | 3.0   | 8.6   | 8.2   | 4.7   | 0.9   |
| 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°  |
|-------|
| 991.0 |
| 873.9 |
| 707.2 |
| 547.0 |
| 446.6 |
| 410.0 |
| 397.5 |
| 383.3 |
| 363.5 |
| 338.1 |
| 310.5 |
| 283.8 |
| 262.7 |
| 248.5 |
| 237.7 |
| 238.6 |
| 230.8 |
| 213.2 |
| 196.0 |
| 181.3 |
| 171.4 |
| 164.5 |
| 151.6 |
| 140.8 |
| 125.8 |
| 109.0 |
| 92.2  |
| 82.3  |
| 73.2  |
| 57.7  |
| 42.2  |
| 33.2  |
| 22.0  |
| 14.2  |
| 5.6   |
| 0.0   |
| 0.0   |