

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: P941065

Luminaire Tested: **GLAN-SB4B-935-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-935-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 15556 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 147  
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



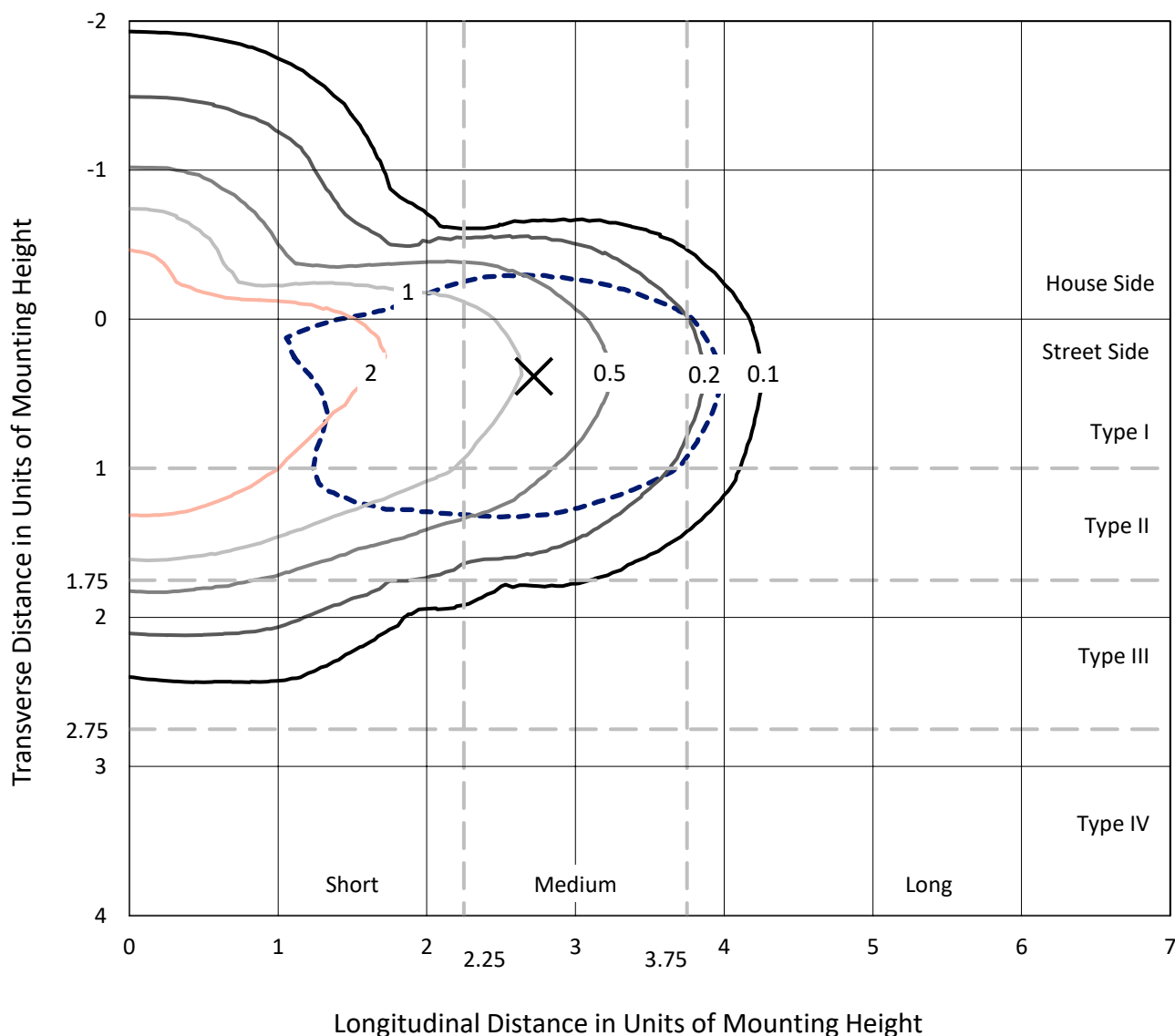
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

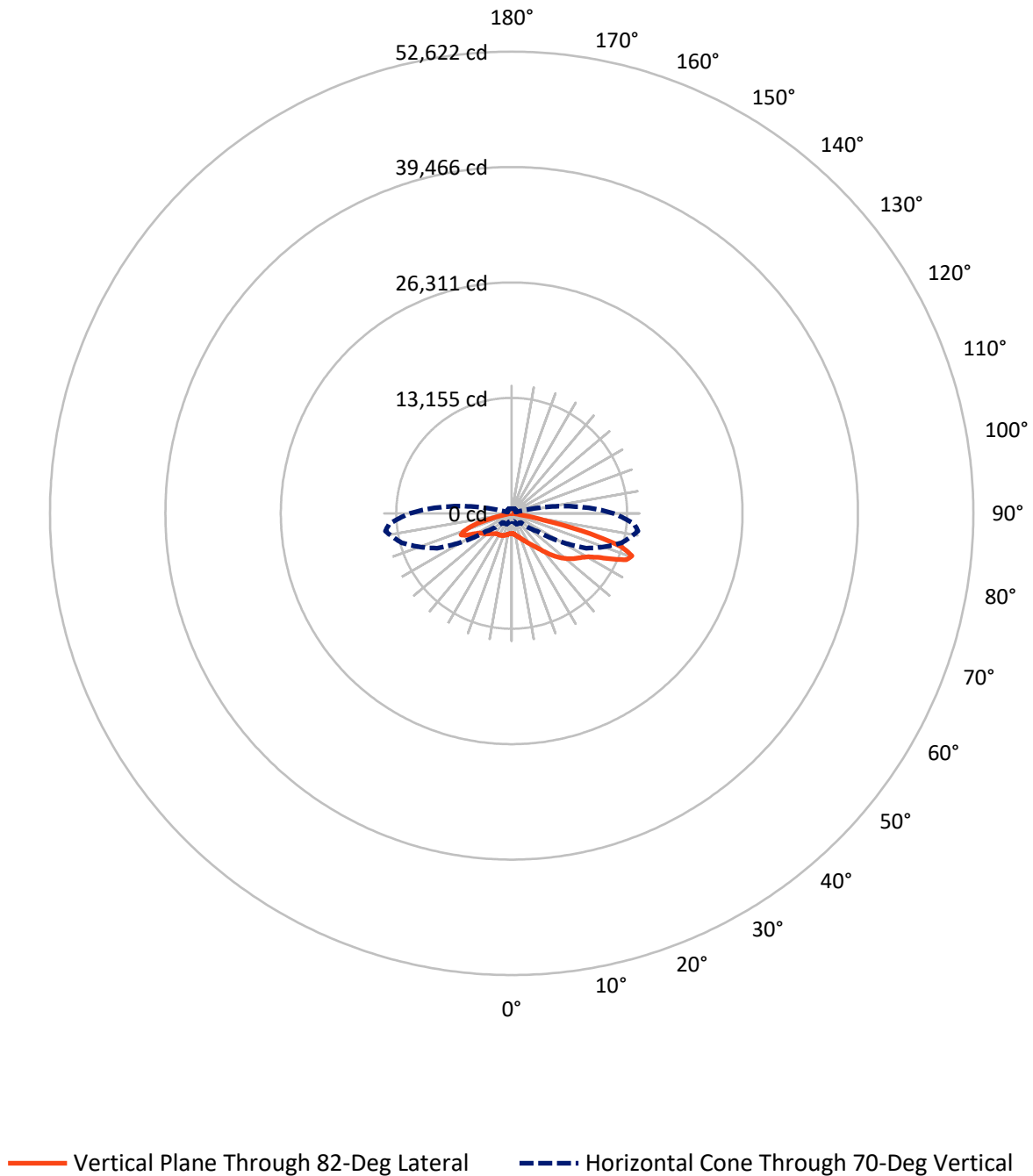
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3834.9   | 0.0    | 3834.9  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 11721.1  | 0.0    | 11721.1 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 15556.0  | 0.0    | 15556.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 215.3   | 1.4       |
| 10°-20°   | 618.7   | 4.0       |
| 20°-30°   | 1035.0  | 6.7       |
| 30°-40°   | 1616.9  | 10.4      |
| 40°-50°   | 2575.1  | 16.6      |
| 50°-60°   | 3583.6  | 23.0      |
| 60°-70°   | 3748.6  | 24.1      |
| 70°-80°   | 1959.2  | 12.6      |
| 80°-90°   | 203.4   | 1.3       |
| 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°    | 15556.0 | 100.0     |
| 0°-180°   | 15556.0 | 100.0     |

**Coefficient of Utilization**



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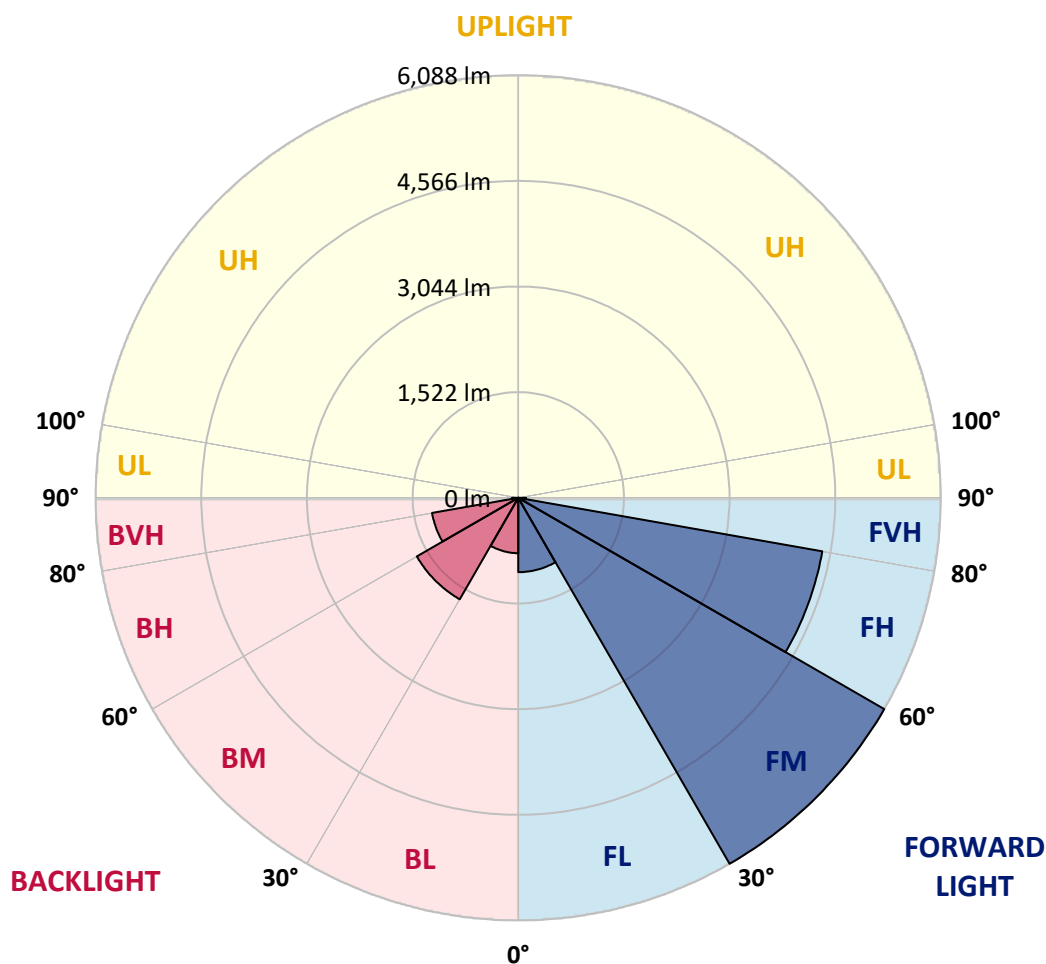
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1071.2 | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 6088.5 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 4447.5 | 28.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 113.9  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 797.8  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1687.2 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1260.4 | 8.1       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 89.6   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7  | 2280.7  | 2280.7  |
| 2.5°  | 2335.2 | 2348.4 | 2344.3 | 2340.1 | 2340.1 | 2334.4 | 2333.5 | 2325.3  | 2318.7  | 2307.9  |
| 5°    | 2364.9 | 2378.9 | 2377.3 | 2380.6 | 2391.3 | 2393.8 | 2396.3 | 2391.3  | 2378.1  | 2364.9  |
| 7.5°  | 2338.5 | 2354.2 | 2359.1 | 2378.9 | 2411.9 | 2441.7 | 2464.0 | 2473.0  | 2460.7  | 2441.7  |
| 10°   | 2249.3 | 2266.7 | 2284.0 | 2331.1 | 2389.7 | 2459.8 | 2519.3 | 2554.8  | 2552.3  | 2534.1  |
| 12.5° | 2068.6 | 2086.7 | 2123.9 | 2215.5 | 2322.8 | 2446.6 | 2557.2 | 2631.5  | 2657.1  | 2643.9  |
| 15°   | 1924.1 | 1939.8 | 1967.9 | 2062.0 | 2201.5 | 2389.7 | 2571.3 | 2715.7  | 2780.9  | 2773.5  |
| 17.5° | 1920.0 | 1926.6 | 1943.9 | 1988.5 | 2095.8 | 2300.5 | 2556.4 | 2798.3  | 2922.9  | 2922.1  |
| 20°   | 1992.6 | 1995.1 | 2005.0 | 2014.1 | 2075.2 | 2232.8 | 2518.4 | 2866.8  | 3082.2  | 3082.2  |
| 22.5° | 2093.3 | 2091.7 | 2101.6 | 2093.3 | 2123.0 | 2227.1 | 2494.5 | 2927.0  | 3259.7  | 3272.9  |
| 25°   | 2244.4 | 2236.1 | 2233.7 | 2214.7 | 2220.4 | 2280.7 | 2520.9 | 2995.5  | 3470.2  | 3497.4  |
| 27.5° | 2445.8 | 2432.6 | 2423.5 | 2379.8 | 2364.9 | 2391.3 | 2601.8 | 3078.1  | 3704.6  | 3751.6  |
| 30°   | 2708.3 | 2684.3 | 2671.1 | 2595.2 | 2541.5 | 2545.7 | 2724.0 | 3187.9  | 3949.8  | 4025.7  |
| 32.5° | 3066.5 | 3029.4 | 2993.9 | 2869.2 | 2771.0 | 2738.8 | 2881.6 | 3339.7  | 4215.5  | 4336.9  |
| 35°   | 3467.7 | 3438.0 | 3400.0 | 3207.7 | 3056.6 | 2982.3 | 3094.6 | 3551.9  | 4526.7  | 4719.1  |
| 37.5° | 3854.0 | 3828.4 | 3846.6 | 3587.4 | 3392.6 | 3284.4 | 3373.6 | 3836.7  | 4910.6  | 5194.5  |
| 40°   | 4253.5 | 4233.7 | 4236.2 | 3988.5 | 3761.6 | 3640.2 | 3712.0 | 4194.1  | 5350.5  | 5760.0  |
| 42.5° | 4687.7 | 4672.8 | 4623.3 | 4403.7 | 4148.7 | 4035.6 | 4101.6 | 4606.8  | 5822.7  | 6403.8  |
| 45°   | 5173.9 | 5164.8 | 5118.6 | 4866.8 | 4574.6 | 4447.5 | 4536.6 | 5062.5  | 6297.3  | 7009.7  |
| 47.5° | 5594.0 | 5601.5 | 5595.7 | 5383.6 | 5080.6 | 4894.1 | 5000.5 | 5537.9  | 6738.9  | 7579.2  |
| 50°   | 5796.3 | 5835.1 | 5892.0 | 5826.0 | 5637.8 | 5447.9 | 5468.6 | 5996.9  | 7159.9  | 8113.3  |
| 52.5° | 5690.6 | 5764.1 | 5919.3 | 6024.9 | 6097.6 | 6057.9 | 6002.6 | 6452.5  | 7556.1  | 8595.4  |
| 55°   | 5296.9 | 5400.1 | 5657.6 | 5912.7 | 6283.3 | 6571.4 | 6644.0 | 6957.7  | 7942.4  | 9019.6  |
| 57.5° | 4579.6 | 4747.1 | 4978.3 | 5494.2 | 6118.2 | 6819.8 | 7391.9 | 7658.5  | 8351.9  | 9472.8  |
| 60°   | 3349.7 | 3574.2 | 3861.4 | 4629.1 | 5540.4 | 6686.9 | 8028.3 | 8734.9  | 8933.8  | 10059.7 |
| 62.5° | 2143.7 | 2282.4 | 2546.5 | 3269.6 | 4317.1 | 6005.9 | 8223.1 | 10080.3 | 9920.2  | 11022.2 |
| 65°   | 1467.6 | 1556.8 | 1798.6 | 2204.8 | 2790.8 | 4470.6 | 7701.4 | 11089.0 | 11486.9 | 12547.6 |
| 67.5° | 1066.5 | 1134.2 | 1340.5 | 1696.3 | 1818.5 | 2645.6 | 5976.2 | 11042.8 | 13009.8 | 14119.2 |
| 70°   | 777.6  | 825.4  | 998.8  | 1340.5 | 1399.1 | 1471.8 | 3620.4 | 9387.0  | 12976.8 | 14536.9 |
| 72.5° | 576.2  | 609.2  | 725.6  | 1040.1 | 1132.5 | 993.8  | 1792.0 | 6822.3  | 11150.9 | 13148.5 |
| 75°   | 416.8  | 441.6  | 527.5  | 795.7  | 906.3  | 756.9  | 894.0  | 3986.9  | 7778.2  | 9249.1  |
| 77.5° | 318.6  | 337.6  | 393.7  | 582.8  | 725.6  | 567.9  | 554.7  | 1834.1  | 3688.1  | 3706.2  |
| 80°   | 255.9  | 268.3  | 298.8  | 410.2  | 556.3  | 425.1  | 361.5  | 740.4   | 1165.5  | 986.4   |
| 82.5° | 188.2  | 208.8  | 252.6  | 288.1  | 397.9  | 293.0  | 220.4  | 373.9   | 443.3   | 381.4   |
| 85°   | 107.3  | 121.3  | 152.7  | 206.4  | 254.2  | 179.1  | 126.3  | 165.9   | 206.4   | 169.2   |
| 87.5° | 38.0   | 49.5   | 53.7   | 80.9   | 110.6  | 74.3   | 48.7   | 47.9    | 67.7    | 50.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2280.7  | 0°    | 2280.7  | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 | 2280.7 |
| 2305.5  | 2.5°  | 2297.2  | 2293.1 | 2276.6 | 2254.3 | 2231.2 | 2208.9 | 2201.5 | 2185.8 | 2175.0 | 2169.3 |
| 2359.1  | 5°    | 2343.4  | 2330.2 | 2291.4 | 2241.9 | 2189.9 | 2133.8 | 2094.2 | 2057.8 | 2031.4 | 2006.7 |
| 2432.6  | 7.5°  | 2409.5  | 2386.4 | 2319.5 | 2232.8 | 2140.4 | 2047.1 | 1977.8 | 1924.9 | 1889.4 | 1866.3 |
| 2518.4  | 10°   | 2486.2  | 2450.7 | 2348.4 | 2218.8 | 2076.0 | 1942.3 | 1860.6 | 1815.2 | 1792.9 | 1780.5 |
| 2616.7  | 12.5° | 2574.6  | 2524.2 | 2378.1 | 2186.6 | 1977.8 | 1825.1 | 1768.9 | 1755.7 | 1756.5 | 1757.4 |
| 2740.5  | 15°   | 2683.5  | 2613.4 | 2402.0 | 2116.4 | 1849.8 | 1735.1 | 1725.2 | 1746.6 | 1768.9 | 1779.7 |
| 2880.8  | 17.5° | 2806.5  | 2707.5 | 2406.2 | 2000.9 | 1724.4 | 1677.3 | 1708.7 | 1754.9 | 1788.7 | 1803.6 |
| 3037.6  | 20°   | 2938.6  | 2803.2 | 2376.5 | 1837.4 | 1621.2 | 1630.3 | 1686.4 | 1745.8 | 1783.0 | 1801.9 |
| 3216.8  | 22.5° | 3089.6  | 2905.6 | 2305.5 | 1665.7 | 1537.0 | 1579.1 | 1645.1 | 1702.9 | 1741.7 | 1760.7 |
| 3427.2  | 25°   | 3262.2  | 3020.3 | 2194.0 | 1521.3 | 1464.3 | 1521.3 | 1587.3 | 1635.2 | 1666.6 | 1683.9 |
| 3662.5  | 27.5° | 3453.7  | 3140.0 | 2045.5 | 1406.6 | 1400.8 | 1461.9 | 1516.3 | 1553.5 | 1570.0 | 1583.2 |
| 3912.6  | 30°   | 3646.0  | 3249.0 | 1865.5 | 1319.9 | 1345.5 | 1403.3 | 1442.1 | 1458.6 | 1463.5 | 1466.0 |
| 4191.6  | 32.5° | 3854.0  | 3343.1 | 1676.5 | 1248.1 | 1292.6 | 1346.3 | 1369.4 | 1376.8 | 1353.7 | 1338.0 |
| 4530.0  | 35°   | 4105.8  | 3443.8 | 1491.6 | 1191.1 | 1240.6 | 1286.9 | 1294.3 | 1287.7 | 1260.5 | 1228.3 |
| 4954.3  | 37.5° | 4417.0  | 3569.2 | 1343.8 | 1150.7 | 1191.9 | 1222.5 | 1213.4 | 1211.8 | 1214.2 | 1176.3 |
| 5464.4  | 40°   | 4798.3  | 3732.7 | 1235.7 | 1119.3 | 1152.3 | 1158.9 | 1133.3 | 1147.4 | 1159.8 | 1102.0 |
| 6024.1  | 42.5° | 5221.8  | 3929.9 | 1167.2 | 1097.8 | 1119.3 | 1103.6 | 1064.0 | 1079.7 | 1078.0 | 1002.1 |
| 6586.2  | 45°   | 5653.5  | 4144.6 | 1143.2 | 1082.2 | 1088.8 | 1057.4 | 1013.6 | 1017.8 | 983.1  | 914.6  |
| 7125.2  | 47.5° | 6082.7  | 4374.9 | 1158.1 | 1069.0 | 1050.8 | 1015.3 | 981.5  | 963.3  | 912.1  | 860.9  |
| 7642.0  | 50°   | 6503.7  | 4616.7 | 1212.6 | 1042.5 | 998.8  | 978.2  | 953.4  | 921.2  | 866.7  | 823.0  |
| 8130.6  | 52.5° | 6894.1  | 4860.2 | 1273.7 | 998.8  | 933.6  | 946.0  | 930.3  | 893.1  | 839.5  | 794.9  |
| 8592.9  | 55°   | 7263.9  | 5103.7 | 1297.6 | 938.5  | 872.5  | 917.9  | 908.8  | 840.3  | 775.9  | 739.6  |
| 9076.6  | 57.5° | 7666.7  | 5396.8 | 1271.2 | 861.8  | 823.0  | 885.7  | 851.0  | 775.1  | 737.9  | 710.7  |
| 9706.4  | 60°   | 8224.7  | 5856.5 | 1214.2 | 766.8  | 775.9  | 837.8  | 778.4  | 747.0  | 706.6  | 676.0  |
| 10650.7 | 62.5° | 9151.7  | 6714.2 | 1122.6 | 672.7  | 720.6  | 766.8  | 743.7  | 712.4  | 671.1  | 641.4  |
| 12265.3 | 65°   | 10521.9 | 7906.1 | 950.1  | 599.3  | 658.7  | 697.5  | 706.6  | 675.2  | 632.3  | 600.9  |
| 13680.1 | 67.5° | 11677.6 | 8654.0 | 719.0  | 538.2  | 595.1  | 641.4  | 667.0  | 636.4  | 591.0  | 560.5  |
| 14011.1 | 70°   | 11614.0 | 8110.8 | 548.9  | 477.9  | 539.0  | 586.1  | 619.1  | 595.1  | 546.4  | 517.6  |
| 12726.7 | 72.5° | 10315.6 | 6785.2 | 444.1  | 416.8  | 482.1  | 528.3  | 567.9  | 549.7  | 500.2  | 472.2  |
| 9323.4  | 75°   | 7578.4  | 4816.5 | 354.9  | 354.9  | 411.1  | 468.0  | 511.8  | 500.2  | 454.8  | 435.0  |
| 3914.3  | 77.5° | 3194.5  | 2020.7 | 278.2  | 294.7  | 341.7  | 402.0  | 456.5  | 460.6  | 421.0  | 445.7  |
| 1035.1  | 80°   | 849.4   | 557.2  | 212.1  | 232.0  | 268.3  | 331.8  | 397.0  | 395.4  | 352.5  | 329.4  |
| 384.7   | 82.5° | 323.6   | 219.6  | 151.1  | 163.4  | 194.0  | 254.2  | 314.5  | 324.4  | 281.5  | 243.5  |
| 151.1   | 85°   | 124.6   | 94.1   | 93.3   | 98.2   | 113.1  | 168.4  | 237.7  | 246.0  | 212.1  | 179.9  |
| 42.1    | 87.5° | 32.2    | 28.1   | 34.7   | 33.0   | 52.0   | 90.0   | 136.2  | 141.2  | 129.6  | 75.1   |
| 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°   |
|--------|
| 2280.7 |
| 2175.9 |
| 2016.6 |
| 1871.3 |
| 1783.8 |
| 1759.0 |
| 1778.8 |
| 1806.9 |
| 1806.9 |
| 1765.6 |
| 1688.9 |
| 1588.2 |
| 1471.8 |
| 1343.0 |
| 1229.9 |
| 1178.7 |
| 1103.6 |
| 1001.3 |
| 917.1  |
| 860.9  |
| 819.7  |
| 795.7  |
| 736.3  |
| 708.2  |
| 674.4  |
| 641.4  |
| 602.6  |
| 561.3  |
| 520.0  |
| 472.2  |
| 429.2  |
| 404.5  |
| 306.2  |
| 243.5  |
| 185.7  |
| 107.3  |
| 0.0    |