

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: P949426

Luminaire Tested: **GLAN-SB4A-935-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-935-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12839 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

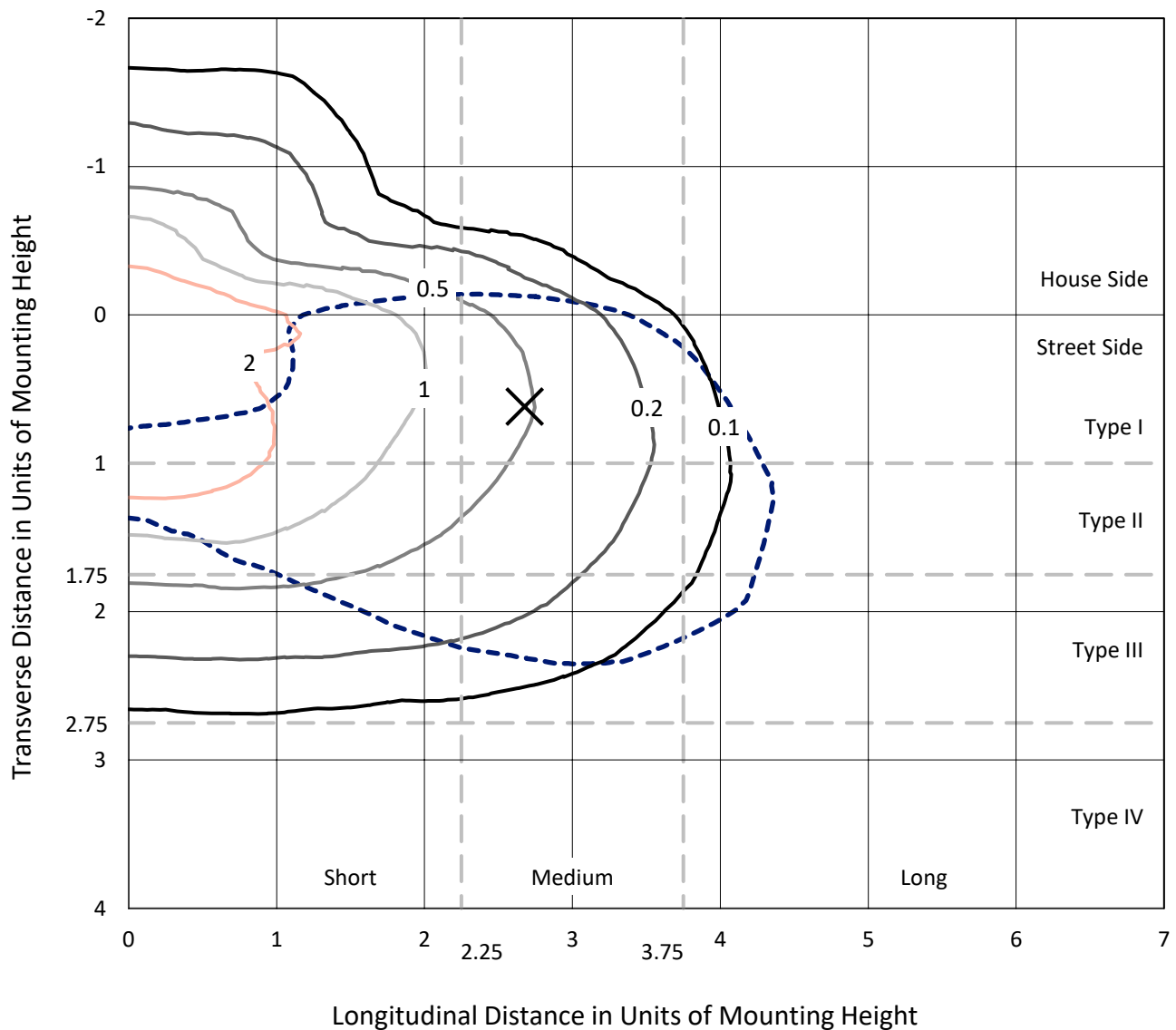
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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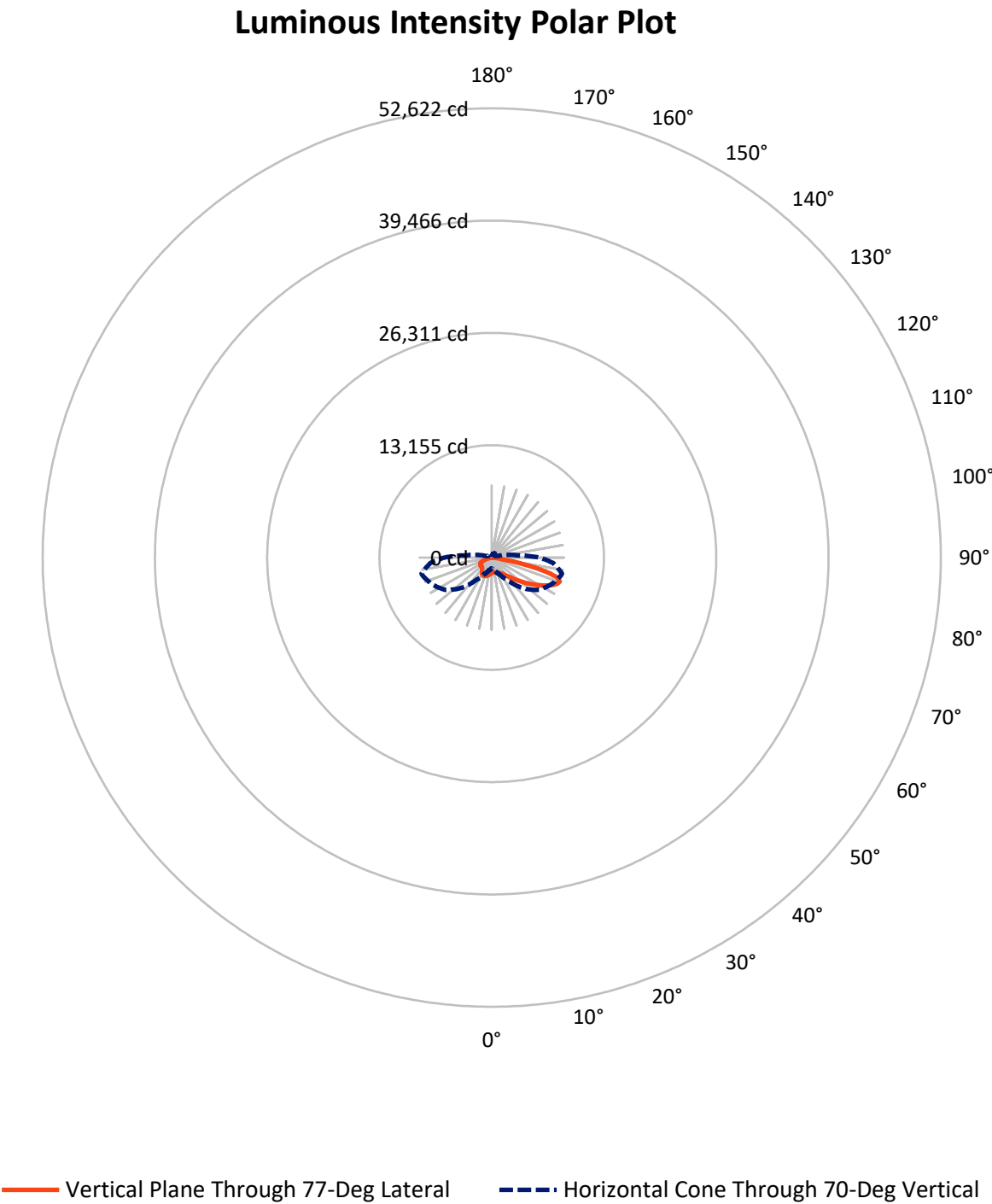
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2811.5   | 0.0    | 2811.5  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 10027.5  | 0.0    | 10027.5 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 12839.0  | 0.0    | 12839.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 170.8   | 1.3       |
| 10°-20°   | 493.0   | 3.8       |
| 20°-30°   | 843.1   | 6.6       |
| 30°-40°   | 1355.9  | 10.6      |
| 40°-50°   | 2116.9  | 16.5      |
| 50°-60°   | 2827.6  | 22.0      |
| 60°-70°   | 3013.8  | 23.5      |
| 70°-80°   | 1855.3  | 14.5      |
| 80°-90°   | 162.6   | 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°    | 12839.0 | 100.0     |
| 0°-180°   | 12839.0 | 100.0     |

**Coefficient of Utilization**



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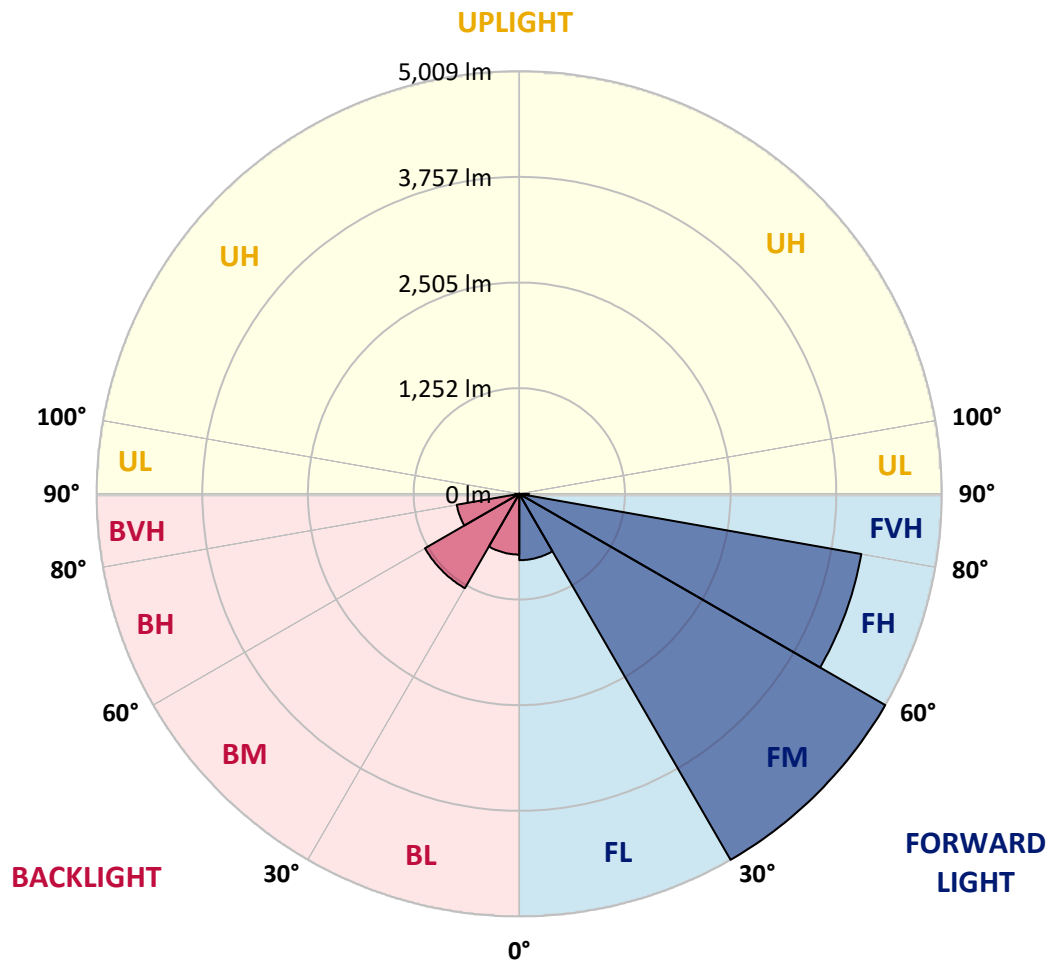
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 786.6  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5009.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4117.7 | 32.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 113.7  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 720.4  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1290.8 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 751.4  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 48.9   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 |
| 2.5°  | 1651.1 | 1650.4 | 1659.0 | 1661.6 | 1677.4 | 1688.6 | 1709.6 | 1732.0 | 1760.9 | 1764.2 |
| 5°    | 1555.8 | 1555.8 | 1565.6 | 1576.1 | 1596.5 | 1618.9 | 1651.1 | 1689.9 | 1739.9 | 1747.8 |
| 7.5°  | 1474.9 | 1480.1 | 1488.7 | 1509.1 | 1532.7 | 1565.0 | 1614.3 | 1669.5 | 1735.3 | 1747.8 |
| 10°   | 1409.8 | 1415.7 | 1426.2 | 1442.7 | 1478.2 | 1522.9 | 1587.3 | 1658.3 | 1746.4 | 1766.2 |
| 12.5° | 1389.4 | 1395.3 | 1401.2 | 1413.7 | 1446.6 | 1499.2 | 1576.1 | 1663.6 | 1773.4 | 1793.1 |
| 15°   | 1436.7 | 1444.0 | 1439.4 | 1436.1 | 1453.2 | 1501.2 | 1581.4 | 1682.7 | 1806.9 | 1835.2 |
| 17.5° | 1545.9 | 1548.5 | 1538.0 | 1507.1 | 1504.5 | 1530.1 | 1606.4 | 1709.0 | 1849.0 | 1879.9 |
| 20°   | 1722.1 | 1717.5 | 1695.8 | 1634.7 | 1599.8 | 1594.6 | 1649.1 | 1748.4 | 1892.4 | 1925.3 |
| 22.5° | 1961.5 | 1956.2 | 1912.8 | 1816.1 | 1738.6 | 1687.3 | 1710.9 | 1799.7 | 1941.1 | 1977.9 |
| 25°   | 2260.0 | 2252.8 | 2189.0 | 2057.5 | 1937.1 | 1810.2 | 1795.1 | 1867.4 | 2000.9 | 2035.1 |
| 27.5° | 2608.5 | 2602.6 | 2533.5 | 2359.9 | 2186.3 | 1978.6 | 1899.7 | 1947.0 | 2063.4 | 2102.2 |
| 30°   | 2983.3 | 3000.4 | 2878.1 | 2691.3 | 2471.7 | 2198.2 | 2040.4 | 2045.0 | 2144.3 | 2179.1 |
| 32.5° | 3423.8 | 3453.4 | 3306.1 | 3069.4 | 2769.6 | 2436.9 | 2217.9 | 2181.7 | 2262.0 | 2290.9 |
| 35°   | 3860.5 | 3894.0 | 3771.7 | 3510.0 | 3164.8 | 2718.3 | 2403.3 | 2338.9 | 2418.5 | 2450.0 |
| 37.5° | 4237.9 | 4282.6 | 4219.5 | 3992.0 | 3587.6 | 3057.6 | 2645.3 | 2523.7 | 2611.1 | 2650.6 |
| 40°   | 4535.8 | 4604.1 | 4599.5 | 4457.5 | 4086.0 | 3469.2 | 2952.4 | 2751.8 | 2850.5 | 2893.2 |
| 42.5° | 4777.7 | 4836.9 | 4888.2 | 4881.0 | 4606.1 | 3936.7 | 3313.4 | 3048.4 | 3123.3 | 3172.7 |
| 45°   | 4944.8 | 5007.9 | 5118.3 | 5237.4 | 5106.5 | 4437.1 | 3727.0 | 3400.2 | 3468.6 | 3542.9 |
| 47.5° | 5094.0 | 5165.7 | 5309.0 | 5497.7 | 5531.3 | 4939.5 | 4180.0 | 3809.8 | 3872.3 | 3949.2 |
| 50°   | 5107.2 | 5169.0 | 5391.2 | 5658.8 | 5833.1 | 5422.1 | 4666.6 | 4269.5 | 4328.0 | 4410.2 |
| 52.5° | 4789.6 | 4886.9 | 5274.8 | 5654.2 | 5971.8 | 5825.9 | 5149.9 | 4747.5 | 4813.2 | 4911.9 |
| 55°   | 3717.8 | 3860.5 | 4933.6 | 5478.0 | 5922.5 | 6086.9 | 5609.5 | 5255.8 | 5339.9 | 5443.2 |
| 57.5° | 3202.3 | 3264.7 | 3916.3 | 5157.1 | 5697.6 | 6154.6 | 5997.5 | 5769.3 | 5904.8 | 6017.9 |
| 60°   | 2878.1 | 2930.0 | 3315.4 | 4658.1 | 5401.7 | 6047.5 | 6297.3 | 6248.0 | 6482.1 | 6616.9 |
| 62.5° | 2530.9 | 2580.2 | 2930.7 | 3889.4 | 5023.0 | 5869.3 | 6486.7 | 6689.9 | 7073.9 | 7221.2 |
| 65°   | 2186.3 | 2228.4 | 2564.4 | 3268.0 | 4541.7 | 5691.1 | 6584.7 | 7071.9 | 7621.6 | 7774.2 |
| 67.5° | 1802.3 | 1837.2 | 2154.8 | 2757.1 | 3956.5 | 5447.1 | 6633.3 | 7372.4 | 8098.3 | 8229.2 |
| 70°   | 1300.6 | 1327.6 | 1655.7 | 2180.4 | 3222.0 | 5027.6 | 6613.6 | 7585.5 | 8345.6 | 8450.1 |
| 72.5° | 614.8  | 639.1  | 1024.5 | 1415.7 | 2275.8 | 4210.9 | 6214.5 | 7416.5 | 8094.4 | 8042.5 |
| 75°   | 328.1  | 349.2  | 588.5  | 776.6  | 1202.0 | 2886.6 | 5085.5 | 6388.7 | 6797.1 | 6544.6 |
| 77.5° | 222.3  | 238.7  | 364.3  | 466.2  | 549.1  | 1370.3 | 3268.7 | 4423.3 | 4255.6 | 3838.8 |
| 80°   | 176.2  | 193.3  | 298.5  | 315.6  | 265.6  | 495.1  | 1350.6 | 2047.6 | 1470.9 | 1176.4 |
| 82.5° | 135.5  | 154.5  | 251.2  | 228.8  | 144.7  | 203.2  | 393.2  | 647.7  | 376.8  | 286.7  |
| 85°   | 82.9   | 103.2  | 197.3  | 146.0  | 81.5   | 92.7   | 133.5  | 180.2  | 115.1  | 96.0   |
| 87.5° | 42.1   | 59.2   | 99.9   | 53.3   | 36.8   | 21.7   | 35.5   | 35.5   | 30.2   | 26.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1791.2 | 0°    | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 | 1791.2 |
| 1782.0 | 2.5°  | 1797.7 | 1810.9 | 1833.2 | 1854.3 | 1870.7 | 1886.5 | 1902.3 | 1910.8 | 1913.5 | 1924.0 |
| 1791.8 | 5°    | 1818.8 | 1843.1 | 1886.5 | 1927.3 | 1952.9 | 1968.7 | 1979.9 | 1986.4 | 1987.8 | 1991.1 |
| 1818.8 | 7.5°  | 1857.6 | 1896.4 | 1956.9 | 1997.6 | 2016.7 | 2015.4 | 2010.8 | 1994.3 | 1987.8 | 1981.8 |
| 1858.2 | 10°   | 1912.1 | 1963.4 | 2037.7 | 2066.0 | 2054.2 | 2022.6 | 1981.8 | 1933.8 | 1911.5 | 1889.8 |
| 1912.1 | 12.5° | 1979.9 | 2045.0 | 2118.0 | 2116.6 | 2058.1 | 1977.2 | 1882.6 | 1808.9 | 1762.2 | 1728.7 |
| 1978.6 | 15°   | 2062.1 | 2137.0 | 2192.9 | 2148.2 | 2020.0 | 1874.7 | 1735.9 | 1639.9 | 1597.8 | 1561.0 |
| 2045.6 | 17.5° | 2146.9 | 2227.1 | 2252.8 | 2138.3 | 1924.0 | 1722.8 | 1565.6 | 1490.0 | 1448.6 | 1428.8 |
| 2118.0 | 20°   | 2229.7 | 2309.3 | 2288.3 | 2081.8 | 1778.0 | 1550.5 | 1410.4 | 1369.0 | 1360.5 | 1365.1 |
| 2188.3 | 22.5° | 2317.2 | 2388.2 | 2295.5 | 1972.6 | 1591.9 | 1374.3 | 1297.3 | 1298.7 | 1317.7 | 1331.5 |
| 2262.0 | 25°   | 2406.6 | 2454.6 | 2276.4 | 1814.8 | 1392.0 | 1244.7 | 1225.7 | 1246.7 | 1284.2 | 1311.1 |
| 2344.8 | 27.5° | 2492.8 | 2513.8 | 2235.0 | 1619.5 | 1220.4 | 1152.0 | 1155.3 | 1198.7 | 1255.3 | 1292.7 |
| 2445.4 | 30°   | 2590.1 | 2566.4 | 2155.4 | 1399.9 | 1101.4 | 1072.5 | 1100.1 | 1150.7 | 1207.3 | 1240.8 |
| 2572.3 | 32.5° | 2699.9 | 2611.8 | 2029.2 | 1196.7 | 1017.2 | 1008.7 | 1054.0 | 1086.9 | 1111.9 | 1121.8 |
| 2740.7 | 35°   | 2836.7 | 2675.6 | 1867.4 | 1054.0 | 941.6  | 962.0  | 1005.4 | 989.0  | 979.1  | 973.8  |
| 2966.9 | 37.5° | 3014.2 | 2761.7 | 1678.1 | 961.3  | 880.5  | 928.5  | 946.2  | 894.9  | 856.1  | 837.1  |
| 3241.0 | 40°   | 3227.9 | 2887.9 | 1495.9 | 889.7  | 841.7  | 899.5  | 868.6  | 806.8  | 757.5  | 730.5  |
| 3549.4 | 42.5° | 3465.3 | 3020.1 | 1342.7 | 835.7  | 820.0  | 875.9  | 811.4  | 737.8  | 658.2  | 649.7  |
| 3917.0 | 45°   | 3714.5 | 3156.2 | 1238.2 | 794.3  | 809.4  | 855.5  | 778.5  | 659.5  | 603.0  | 637.8  |
| 4285.9 | 47.5° | 3963.7 | 3281.2 | 1175.0 | 763.4  | 804.2  | 832.5  | 749.6  | 616.1  | 576.0  | 626.6  |
| 4681.1 | 50°   | 4241.2 | 3392.9 | 1146.8 | 741.1  | 798.3  | 823.2  | 706.2  | 604.9  | 547.7  | 581.3  |
| 5090.1 | 52.5° | 4516.7 | 3479.7 | 1125.7 | 718.7  | 789.7  | 816.0  | 685.2  | 591.8  | 513.5  | 515.5  |
| 5501.7 | 55°   | 4791.5 | 3536.3 | 1102.7 | 689.1  | 770.6  | 800.2  | 683.2  | 577.3  | 487.9  | 478.7  |
| 5937.0 | 57.5° | 5084.8 | 3568.5 | 1074.4 | 656.2  | 737.8  | 760.1  | 681.2  | 566.1  | 480.0  | 464.9  |
| 6382.1 | 60°   | 5383.3 | 3615.9 | 1037.6 | 616.1  | 693.7  | 712.1  | 676.6  | 562.2  | 475.4  | 449.8  |
| 6801.7 | 62.5° | 5651.0 | 3632.3 | 993.6  | 578.0  | 637.2  | 664.8  | 666.8  | 558.9  | 462.9  | 418.9  |
| 7150.2 | 65°   | 5826.5 | 3561.3 | 916.6  | 534.6  | 576.0  | 616.1  | 647.7  | 547.7  | 440.6  | 396.5  |
| 7322.4 | 67.5° | 5819.3 | 3358.7 | 796.3  | 478.7  | 516.8  | 562.2  | 620.1  | 528.7  | 413.6  | 368.9  |
| 7192.2 | 70°   | 5548.4 | 2959.0 | 643.7  | 413.6  | 451.7  | 504.3  | 584.6  | 500.4  | 381.4  | 338.6  |
| 6395.3 | 72.5° | 4758.7 | 2315.9 | 467.5  | 337.3  | 376.1  | 444.5  | 538.5  | 466.2  | 348.5  | 311.7  |
| 4726.4 | 75°   | 3399.5 | 1465.7 | 316.9  | 259.1  | 292.6  | 376.8  | 481.3  | 426.1  | 318.3  | 313.0  |
| 2367.2 | 77.5° | 1736.6 | 700.3  | 209.8  | 189.4  | 203.8  | 297.2  | 404.4  | 380.7  | 322.9  | 258.4  |
| 673.3  | 80°   | 564.8  | 258.4  | 132.2  | 128.9  | 135.5  | 197.9  | 313.0  | 312.3  | 244.6  | 175.6  |
| 163.1  | 82.5° | 180.2  | 111.1  | 86.1   | 82.9   | 79.6   | 124.3  | 218.3  | 247.2  | 165.0  | 111.1  |
| 58.5   | 85°   | 71.7   | 66.4   | 50.6   | 46.7   | 33.5   | 58.5   | 114.4  | 164.4  | 123.0  | 80.2   |
| 15.1   | 87.5° | 26.3   | 26.3   | 13.8   | 9.9    | 7.2    | 19.7   | 30.9   | 49.3   | 70.4   | 41.4   |
| 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°   |
|--------|
| 1791.2 |
| 1929.9 |
| 1996.3 |
| 1983.2 |
| 1883.2 |
| 1720.8 |
| 1557.1 |
| 1434.8 |
| 1363.1 |
| 1334.8 |
| 1318.4 |
| 1301.9 |
| 1248.7 |
| 1127.0 |
| 979.1  |
| 841.7  |
| 732.5  |
| 658.2  |
| 656.2  |
| 650.3  |
| 606.3  |
| 529.3  |
| 485.3  |
| 466.9  |
| 451.7  |
| 418.9  |
| 396.5  |
| 370.9  |
| 342.6  |
| 309.7  |
| 295.2  |
| 230.1  |
| 155.2  |
| 110.5  |
| 82.2   |
| 40.8   |
| 0.0    |