

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: P940049

Luminaire Tested: **GLAN-SB2D-935-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-935-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13992 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 147.6  
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



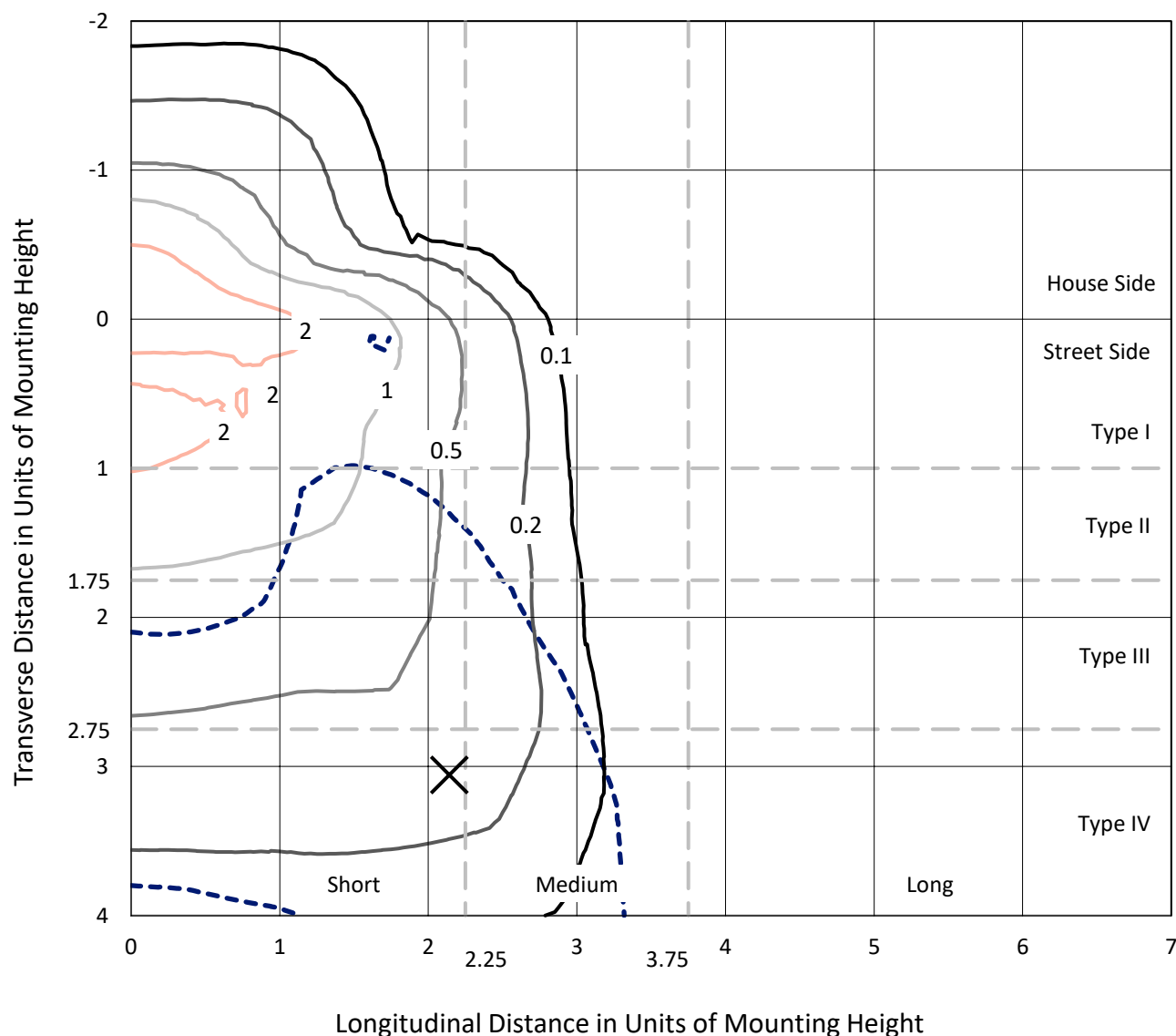
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

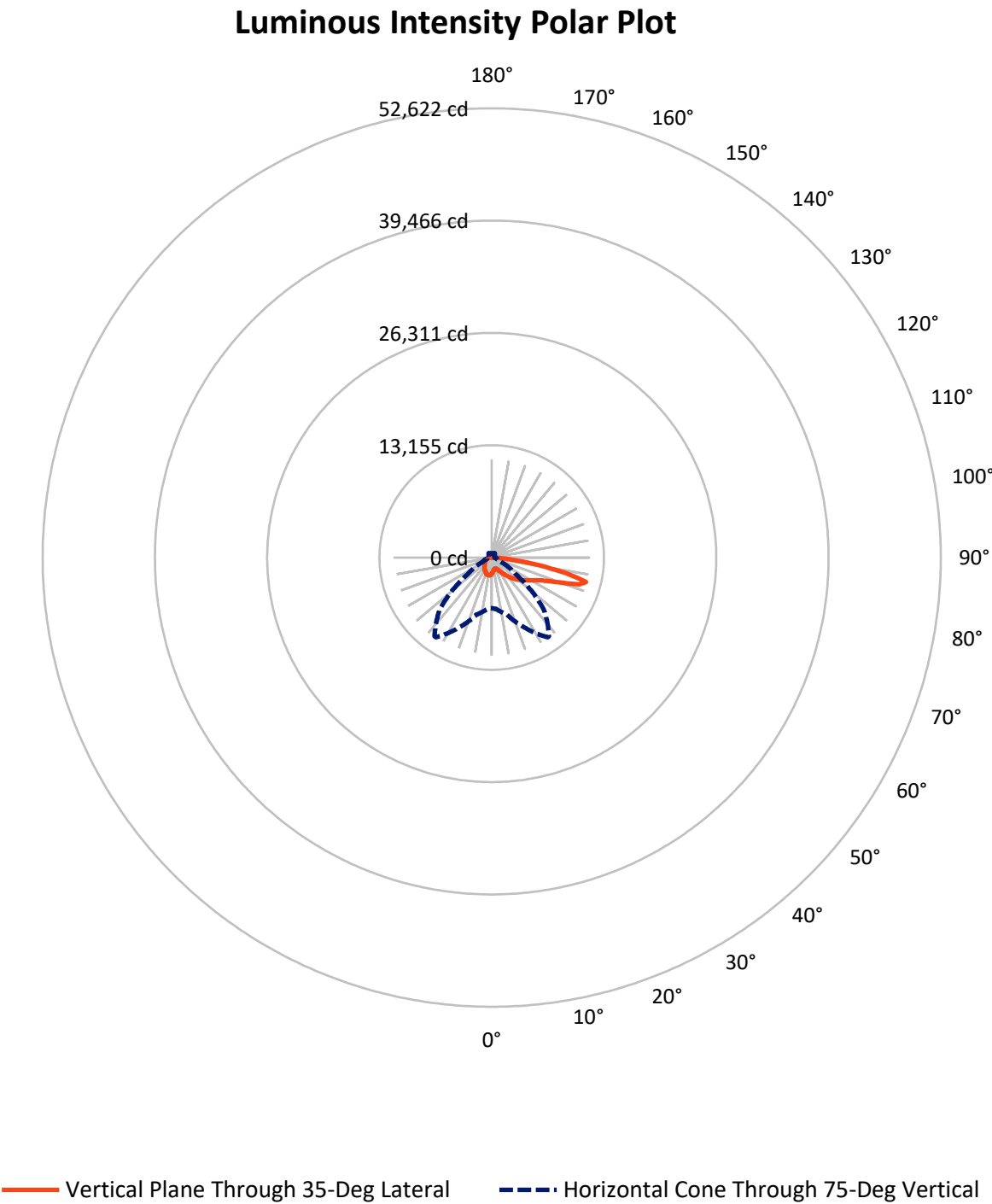
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc

Type IV - Short - N/A

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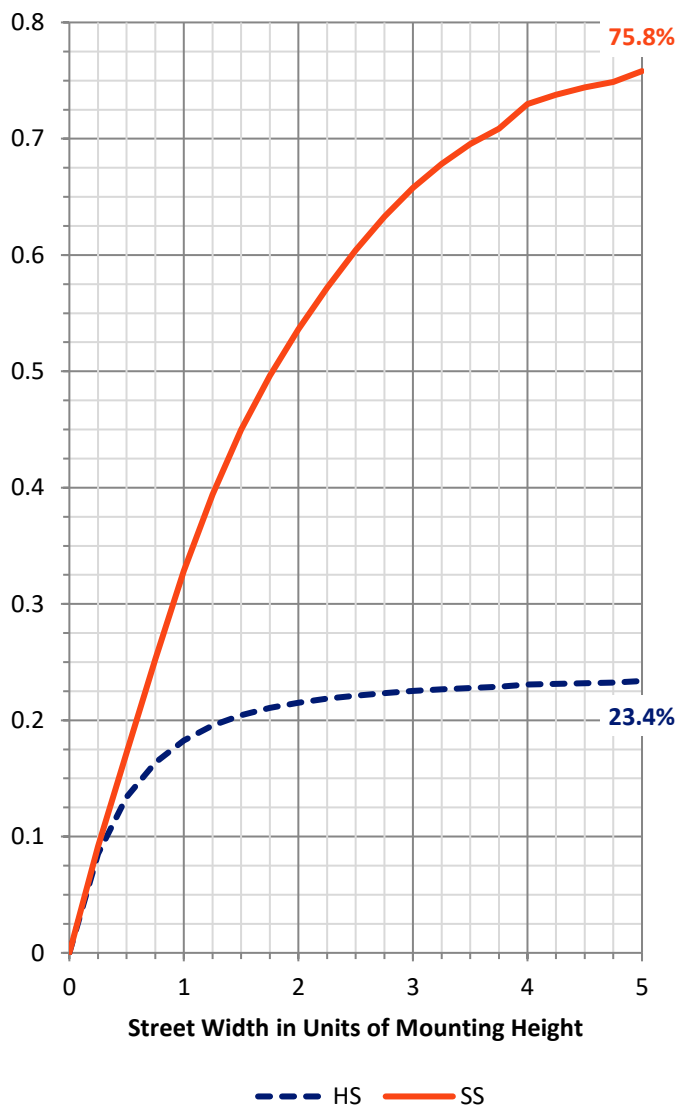
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3329.7   | 0.0    | 3329.7  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 10662.3  | 0.0    | 10662.3 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 13992.0  | 0.0    | 13992.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 176.5   | 1.3       |
| 10°-20°   | 509.2   | 3.6       |
| 20°-30°   | 855.1   | 6.1       |
| 30°-40°   | 1328.9  | 9.5       |
| 40°-50°   | 1972.5  | 14.1      |
| 50°-60°   | 2723.1  | 19.5      |
| 60°-70°   | 3303.7  | 23.6      |
| 70°-80°   | 2730.3  | 19.5      |
| 80°-90°   | 392.7   | 2.8       |
| 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°    | 13992.0 | 100.0     |
| 0°-180°   | 13992.0 | 100.0     |

**Coefficient of Utilization**



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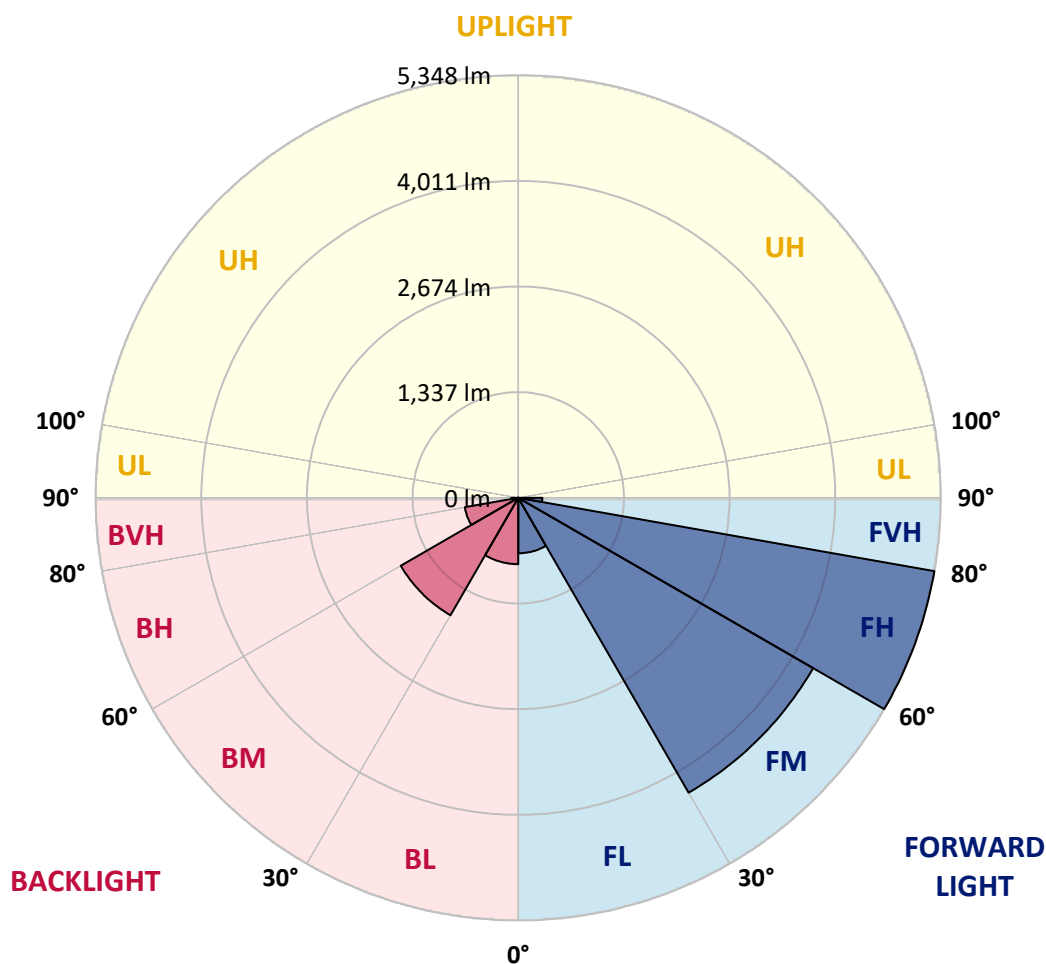
CATALOG NUMBER: GLAN-SB2D-935-U-T4FT

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 701.7  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 4308.8 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 5347.5 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 304.3  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 839.1  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1715.7 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 686.5  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 88.4   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 36°     | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 0°    | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5  | 1864.5  | 1864.5 | 1864.5 | 1864.5 | 1864.5 |
| 2.5°  | 1719.3 | 1729.9 | 1734.4 | 1732.2 | 1743.5  | 1742.0  | 1757.9 | 1777.5 | 1804.8 | 1831.2 |
| 5°    | 1586.9 | 1598.3 | 1608.1 | 1617.2 | 1639.1  | 1645.9  | 1670.9 | 1708.7 | 1758.6 | 1809.3 |
| 7.5°  | 1463.6 | 1473.5 | 1488.6 | 1505.2 | 1542.3  | 1549.1  | 1590.7 | 1649.7 | 1719.3 | 1793.4 |
| 10°   | 1363.0 | 1372.9 | 1388.8 | 1407.7 | 1453.8  | 1462.1  | 1515.1 | 1593.7 | 1684.5 | 1778.3 |
| 12.5° | 1319.9 | 1322.9 | 1332.0 | 1350.9 | 1391.0  | 1396.3  | 1454.6 | 1544.6 | 1650.5 | 1767.0 |
| 15°   | 1317.7 | 1323.7 | 1324.5 | 1334.3 | 1367.6  | 1369.8  | 1423.5 | 1512.8 | 1629.3 | 1764.7 |
| 17.5° | 1340.3 | 1344.9 | 1338.1 | 1344.1 | 1372.1  | 1375.9  | 1418.3 | 1497.7 | 1622.5 | 1774.5 |
| 20°   | 1400.9 | 1404.6 | 1384.2 | 1375.9 | 1396.3  | 1399.3  | 1440.9 | 1507.5 | 1629.3 | 1794.9 |
| 22.5° | 1529.4 | 1531.7 | 1481.8 | 1447.8 | 1449.3  | 1450.8  | 1487.1 | 1547.6 | 1655.8 | 1832.0 |
| 25°   | 1729.9 | 1728.4 | 1649.0 | 1583.1 | 1545.3  | 1537.0  | 1561.2 | 1612.6 | 1700.4 | 1881.2 |
| 27.5° | 1964.4 | 1953.0 | 1873.6 | 1775.3 | 1692.8  | 1680.7  | 1675.4 | 1697.4 | 1763.9 | 1946.2 |
| 30°   | 2229.1 | 2218.5 | 2133.1 | 2004.5 | 1890.2  | 1870.6  | 1820.7 | 1809.3 | 1858.5 | 2034.7 |
| 32.5° | 2519.6 | 2512.8 | 2410.7 | 2254.8 | 2102.0  | 2079.3  | 1995.4 | 1965.1 | 2003.7 | 2168.6 |
| 35°   | 2763.1 | 2757.1 | 2672.4 | 2512.0 | 2325.2  | 2297.2  | 2211.7 | 2177.7 | 2197.3 | 2340.3 |
| 37.5° | 2983.2 | 2980.2 | 2907.6 | 2781.3 | 2588.4  | 2554.4  | 2458.3 | 2447.0 | 2443.2 | 2566.5 |
| 40°   | 3187.5 | 3179.9 | 3104.3 | 3037.7 | 2894.7  | 2863.7  | 2779.0 | 2769.2 | 2740.4 | 2844.8 |
| 42.5° | 3413.6 | 3394.0 | 3284.3 | 3253.3 | 3214.7  | 3189.0  | 3138.3 | 3139.8 | 3076.3 | 3158.7 |
| 45°   | 3598.2 | 3586.9 | 3474.2 | 3456.0 | 3497.6  | 3487.0  | 3530.9 | 3542.2 | 3418.9 | 3487.8 |
| 47.5° | 3796.4 | 3785.8 | 3690.5 | 3677.6 | 3790.3  | 3793.4  | 3948.4 | 3952.2 | 3753.3 | 3829.7 |
| 50°   | 4040.7 | 4025.6 | 3931.0 | 3946.9 | 4073.2  | 4084.6  | 4368.2 | 4342.5 | 4061.1 | 4176.8 |
| 52.5° | 4201.8 | 4210.9 | 4190.5 | 4216.2 | 4388.6  | 4399.2  | 4781.2 | 4715.4 | 4365.9 | 4519.5 |
| 55°   | 4320.6 | 4338.7 | 4402.3 | 4461.3 | 4721.5  | 4732.0  | 5170.8 | 5070.2 | 4618.6 | 4837.2 |
| 57.5° | 4473.4 | 4447.6 | 4566.4 | 4681.4 | 5037.6  | 5065.6  | 5549.7 | 5412.0 | 4842.5 | 5111.0 |
| 60°   | 4692.7 | 4674.6 | 4766.8 | 4937.0 | 5391.6  | 5436.3  | 5950.6 | 5719.9 | 5006.6 | 5328.1 |
| 62.5° | 5137.5 | 5092.1 | 5106.5 | 5257.0 | 5837.9  | 5896.9  | 6402.9 | 5988.4 | 5088.3 | 5412.8 |
| 65°   | 5802.4 | 5724.4 | 5651.8 | 5756.2 | 6466.5  | 6524.7  | 6913.5 | 6199.5 | 5058.1 | 5248.7 |
| 67.5° | 6639.7 | 6562.5 | 6473.3 | 6571.6 | 7392.3  | 7438.4  | 7543.6 | 6318.2 | 4819.8 | 4616.3 |
| 70°   | 7330.3 | 7301.5 | 7408.2 | 7812.9 | 8871.1  | 8872.6  | 8351.4 | 6219.9 | 4167.0 | 3272.9 |
| 72.5° | 7238.8 | 7221.4 | 7783.4 | 9034.5 | 10734.8 | 10694.8 | 9116.1 | 5475.6 | 2807.0 | 1476.5 |
| 75°   | 5938.5 | 6051.2 | 6921.8 | 9012.5 | 11404.3 | 11399.0 | 8647.9 | 3481.0 | 1161.1 | 611.9  |
| 77.5° | 3184.4 | 3363.0 | 4493.8 | 6654.1 | 8902.8  | 9036.7  | 6080.0 | 1217.8 | 498.5  | 391.8  |
| 80°   | 1038.5 | 1194.4 | 1791.2 | 3387.9 | 5785.0  | 5760.0  | 2605.8 | 478.0  | 341.1  | 277.6  |
| 82.5° | 441.0  | 459.1  | 800.3  | 1599.8 | 2968.9  | 2922.7  | 829.8  | 274.6  | 239.8  | 189.9  |
| 85°   | 172.5  | 192.9  | 353.2  | 739.8  | 1285.9  | 1257.9  | 299.5  | 136.2  | 153.5  | 124.0  |
| 87.5° | 56.7   | 68.8   | 126.3  | 253.4  | 400.1   | 385.8   | 73.4   | 46.9   | 66.6   | 56.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1864.5 | 0°    | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 | 1864.5 |
| 1869.8 | 2.5°  | 1880.4 | 1892.5 | 1906.9 | 1928.1 | 1946.2 | 1961.3 | 1977.2 | 1987.1 | 1990.8 | 2002.2 |
| 1872.8 | 5°    | 1894.0 | 1920.5 | 1956.1 | 1990.8 | 2024.9 | 2045.3 | 2063.5 | 2072.5 | 2080.9 | 2086.9 |
| 1881.2 | 7.5°  | 1916.7 | 1950.8 | 2006.7 | 2052.1 | 2080.9 | 2097.5 | 2109.6 | 2106.6 | 2109.6 | 2111.1 |
| 1890.2 | 10°   | 1936.4 | 1984.0 | 2050.6 | 2093.7 | 2115.7 | 2116.4 | 2113.4 | 2102.8 | 2097.5 | 2098.3 |
| 1903.9 | 12.5° | 1959.8 | 2012.8 | 2084.6 | 2120.9 | 2127.0 | 2110.4 | 2097.5 | 2079.3 | 2072.5 | 2069.5 |
| 1924.3 | 15°   | 1991.6 | 2052.1 | 2121.7 | 2135.3 | 2120.2 | 2099.0 | 2077.1 | 2047.6 | 2032.4 | 2020.3 |
| 1959.1 | 17.5° | 2030.2 | 2096.7 | 2150.4 | 2140.6 | 2108.1 | 2073.3 | 2037.7 | 1993.1 | 1962.1 | 1949.2 |
| 2006.7 | 20°   | 2083.9 | 2143.6 | 2172.4 | 2129.3 | 2080.1 | 2027.2 | 1966.6 | 1912.2 | 1883.4 | 1870.6 |
| 2067.2 | 22.5° | 2148.9 | 2206.4 | 2193.6 | 2109.6 | 2040.0 | 1955.3 | 1879.7 | 1839.6 | 1825.2 | 1816.1 |
| 2145.2 | 25°   | 2226.8 | 2276.0 | 2208.7 | 2080.9 | 1974.2 | 1860.0 | 1801.7 | 1788.9 | 1782.1 | 1775.3 |
| 2240.5 | 27.5° | 2328.2 | 2354.7 | 2220.0 | 2038.5 | 1871.3 | 1758.6 | 1737.5 | 1739.7 | 1737.5 | 1726.1 |
| 2372.8 | 30°   | 2462.1 | 2456.8 | 2230.6 | 1969.7 | 1753.3 | 1667.1 | 1668.6 | 1678.5 | 1680.0 | 1672.4 |
| 2557.4 | 32.5° | 2638.3 | 2584.6 | 2235.9 | 1880.4 | 1640.6 | 1586.9 | 1588.4 | 1599.0 | 1606.6 | 1593.7 |
| 2798.7 | 35°   | 2851.6 | 2733.6 | 2227.6 | 1768.5 | 1553.6 | 1510.5 | 1499.2 | 1502.2 | 1504.5 | 1492.4 |
| 3091.4 | 37.5° | 3100.5 | 2900.8 | 2190.5 | 1644.4 | 1481.8 | 1435.6 | 1411.4 | 1391.0 | 1378.9 | 1367.6 |
| 3422.7 | 40°   | 3373.5 | 3083.1 | 2122.5 | 1523.4 | 1401.6 | 1356.2 | 1319.9 | 1281.3 | 1240.5 | 1225.4 |
| 3773.7 | 42.5° | 3659.5 | 3270.7 | 2040.0 | 1407.7 | 1309.3 | 1272.3 | 1233.7 | 1177.7 | 1116.4 | 1085.4 |
| 4138.3 | 45°   | 3956.0 | 3462.8 | 1959.1 | 1293.4 | 1214.8 | 1198.9 | 1154.3 | 1086.9 | 1020.4 | 981.1  |
| 4503.6 | 47.5° | 4246.4 | 3644.3 | 1840.3 | 1178.5 | 1126.3 | 1143.7 | 1108.9 | 1046.9 | 972.7  | 910.7  |
| 4865.9 | 50°   | 4524.0 | 3814.5 | 1645.9 | 1062.0 | 1054.4 | 1127.0 | 1093.8 | 1004.5 | 919.8  | 840.4  |
| 5221.4 | 52.5° | 4799.4 | 3952.2 | 1397.1 | 956.1  | 1015.8 | 1122.5 | 1074.1 | 975.8  | 872.1  | 788.9  |
| 5555.8 | 55°   | 5033.1 | 4023.3 | 1157.3 | 865.3  | 959.9  | 1083.9 | 1050.6 | 941.7  | 804.8  | 716.3  |
| 5785.0 | 57.5° | 5166.2 | 3965.8 | 957.6  | 776.1  | 882.7  | 1020.4 | 1010.6 | 869.1  | 724.6  | 656.6  |
| 5829.6 | 60°   | 5108.7 | 3732.8 | 794.2  | 698.2  | 809.3  | 951.6  | 941.0  | 797.2  | 663.4  | 599.1  |
| 5590.6 | 62.5° | 4791.8 | 3288.8 | 664.9  | 630.1  | 742.8  | 881.2  | 871.4  | 742.0  | 616.5  | 554.4  |
| 4955.9 | 65°   | 4153.4 | 2675.4 | 564.3  | 573.4  | 675.5  | 796.5  | 810.9  | 695.9  | 579.4  | 518.9  |
| 3834.2 | 67.5° | 3167.8 | 1937.9 | 485.6  | 524.2  | 609.7  | 713.3  | 754.9  | 662.6  | 548.4  | 490.9  |
| 2218.5 | 70°   | 1805.5 | 1100.6 | 419.0  | 476.5  | 551.4  | 636.1  | 711.8  | 636.1  | 515.1  | 467.5  |
| 831.3  | 72.5° | 684.5  | 505.3  | 362.3  | 428.9  | 495.4  | 571.1  | 664.1  | 594.5  | 476.5  | 441.0  |
| 429.6  | 75°   | 365.3  | 307.9  | 304.8  | 372.9  | 431.1  | 507.5  | 604.4  | 553.7  | 447.8  | 465.9  |
| 297.3  | 77.5° | 248.9  | 217.8  | 254.9  | 319.2  | 360.8  | 437.2  | 540.8  | 491.7  | 388.0  | 386.5  |
| 205.7  | 80°   | 172.5  | 154.3  | 207.3  | 257.2  | 279.1  | 367.6  | 472.0  | 422.1  | 316.2  | 295.0  |
| 127.1  | 82.5° | 103.6  | 100.6  | 155.1  | 192.1  | 197.4  | 283.7  | 391.1  | 354.0  | 258.7  | 225.4  |
| 75.6   | 85°   | 56.7   | 59.8   | 99.1   | 112.7  | 115.0  | 198.2  | 306.3  | 273.8  | 198.9  | 167.2  |
| 27.2   | 87.5° | 15.9   | 20.4   | 36.3   | 44.6   | 55.2   | 102.9  | 182.3  | 162.6  | 99.8   | 69.6   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 1864.5 |
| 2001.4 |
| 2088.4 |
| 2113.4 |
| 2099.8 |
| 2068.0 |
| 2024.1 |
| 1950.0 |
| 1869.1 |
| 1817.6 |
| 1775.3 |
| 1728.4 |
| 1676.2 |
| 1599.8 |
| 1500.7 |
| 1375.1 |
| 1232.2 |
| 1089.2 |
| 978.0  |
| 903.9  |
| 833.6  |
| 779.8  |
| 708.7  |
| 647.5  |
| 590.0  |
| 544.6  |
| 509.1  |
| 481.8  |
| 461.4  |
| 434.9  |
| 481.1  |
| 356.3  |
| 282.1  |
| 226.9  |
| 168.7  |
| 69.6   |
| 0.0    |