

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: P949424

Luminaire Tested: **GLAN-SB4A-935-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-935-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12674 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

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



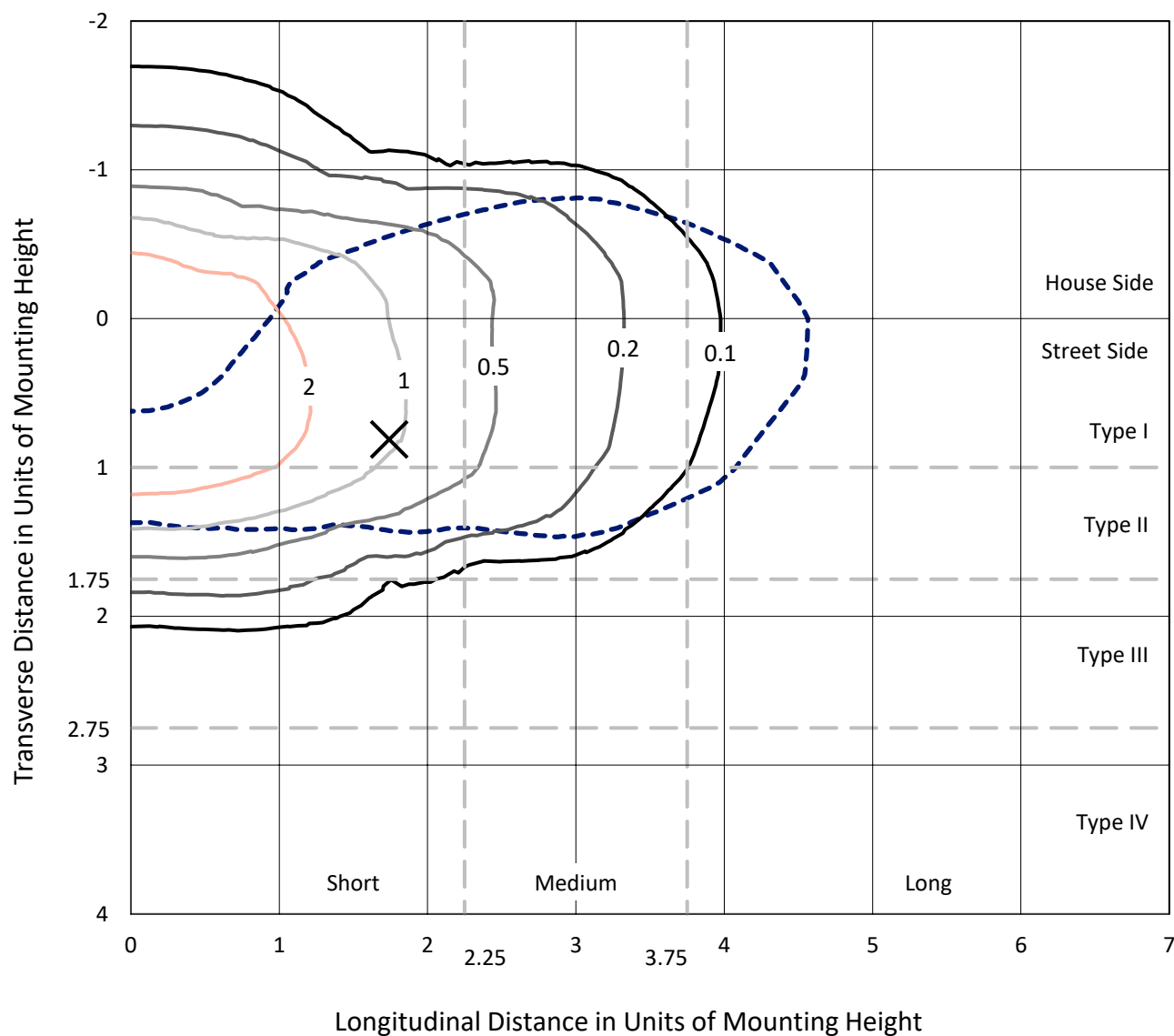
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

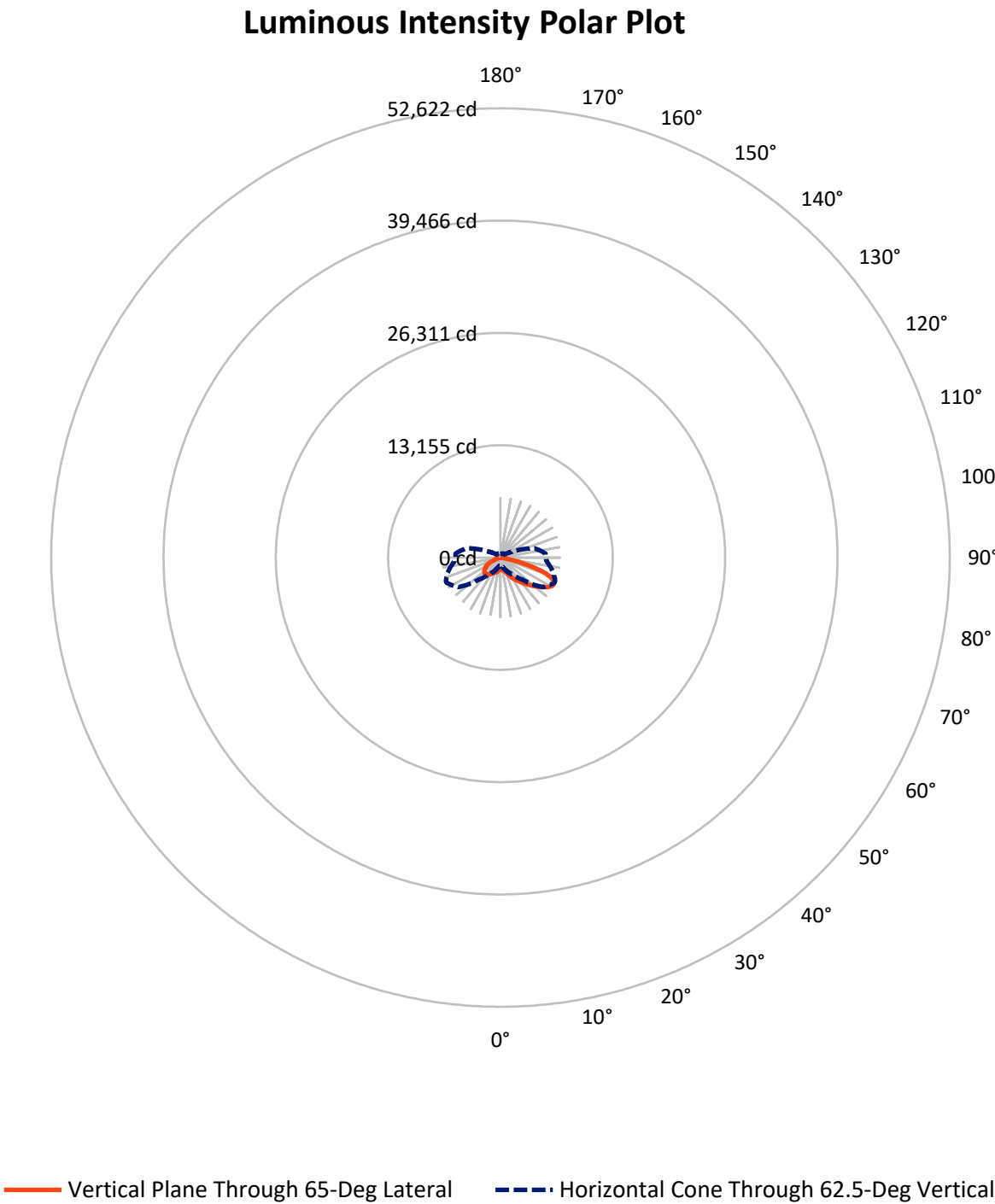
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc

Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3999.4   | 0.0    | 3999.4  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 8674.6   | 0.0    | 8674.6  |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 12674.0  | 0.0    | 12674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 139.2   | 1.1       |
| 10°-20°   | 472.2   | 3.7       |
| 20°-30°   | 957.4   | 7.6       |
| 30°-40°   | 1656.8  | 13.1      |
| 40°-50°   | 2507.2  | 19.8      |
| 50°-60°   | 2939.5  | 23.2      |
| 60°-70°   | 2464.4  | 19.4      |
| 70°-80°   | 1360.6  | 10.7      |
| 80°-90°   | 176.7   | 1.4       |
| 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°    | 12674.0 | 100.0     |
| 0°-180°   | 12674.0 | 100.0     |

**Coefficient of Utilization**



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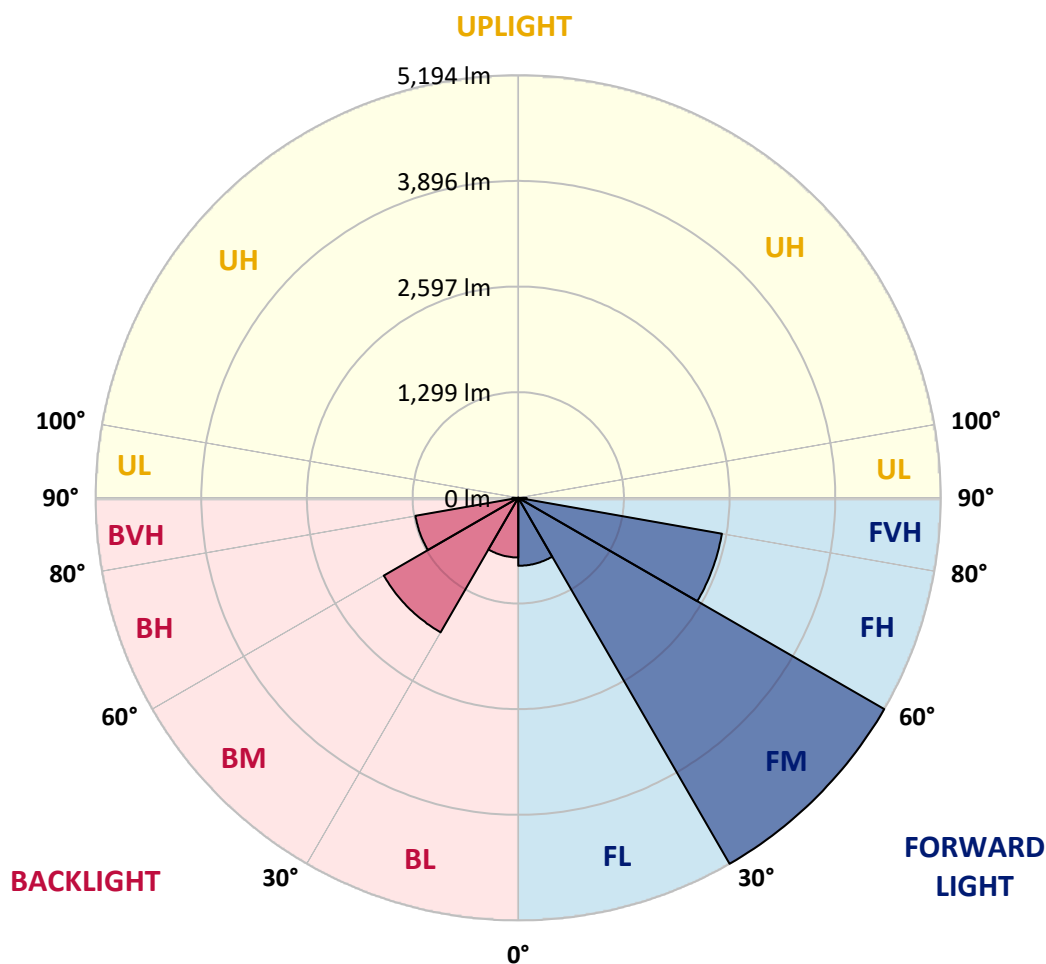
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 835.4  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 5194.2 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 2542.0 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 103.0  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 733.4  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1909.2 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1283.0 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 73.7   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |
| 2.5°  | 1387.4 | 1383.5 | 1386.8 | 1386.8 | 1388.1 | 1387.4 | 1392.0 | 1393.3 | 1395.3 | 1399.3 |
| 5°    | 1373.6 | 1372.9 | 1378.9 | 1384.1 | 1389.4 | 1394.0 | 1399.9 | 1408.5 | 1409.8 | 1414.4 |
| 7.5°  | 1369.0 | 1365.1 | 1374.3 | 1380.8 | 1393.3 | 1404.5 | 1420.3 | 1434.8 | 1440.7 | 1442.6 |
| 10°   | 1404.5 | 1397.9 | 1406.5 | 1410.4 | 1420.9 | 1432.1 | 1450.5 | 1473.6 | 1480.1 | 1488.0 |
| 12.5° | 1465.0 | 1457.8 | 1470.3 | 1476.2 | 1486.0 | 1495.9 | 1508.4 | 1530.8 | 1534.0 | 1548.5 |
| 15°   | 1547.9 | 1539.3 | 1547.2 | 1554.4 | 1570.9 | 1580.1 | 1592.6 | 1614.3 | 1614.3 | 1625.4 |
| 17.5° | 1660.3 | 1649.1 | 1655.0 | 1657.7 | 1668.2 | 1682.0 | 1703.0 | 1722.1 | 1732.0 | 1728.0 |
| 20°   | 1828.0 | 1814.2 | 1814.2 | 1801.0 | 1797.1 | 1808.2 | 1835.9 | 1862.2 | 1872.7 | 1852.3 |
| 22.5° | 2079.8 | 2060.1 | 2048.9 | 2004.2 | 1986.4 | 1987.8 | 2015.4 | 2047.6 | 2056.1 | 2020.0 |
| 25°   | 2400.0 | 2369.1 | 2354.0 | 2288.2 | 2248.1 | 2213.3 | 2235.0 | 2276.4 | 2288.2 | 2243.5 |
| 27.5° | 2720.3 | 2722.2 | 2707.8 | 2628.9 | 2562.4 | 2498.7 | 2487.5 | 2530.9 | 2543.4 | 2492.7 |
| 30°   | 3169.4 | 3122.7 | 3095.1 | 3000.4 | 2905.7 | 2816.3 | 2770.2 | 2788.0 | 2791.3 | 2730.8 |
| 32.5° | 3556.6 | 3544.8 | 3485.6 | 3402.8 | 3281.1 | 3141.1 | 3064.1 | 3035.9 | 3030.6 | 2944.5 |
| 35°   | 3997.9 | 3991.3 | 3928.8 | 3830.2 | 3698.7 | 3504.0 | 3365.3 | 3284.4 | 3277.8 | 3156.9 |
| 37.5° | 4446.3 | 4446.3 | 4385.1 | 4277.3 | 4141.2 | 3897.9 | 3686.8 | 3558.6 | 3537.6 | 3379.8 |
| 40°   | 4804.0 | 4782.3 | 4793.5 | 4748.1 | 4592.3 | 4333.9 | 4043.9 | 3857.8 | 3829.5 | 3640.2 |
| 42.5° | 5007.2 | 5000.0 | 5067.0 | 5117.7 | 5053.9 | 4847.4 | 4437.1 | 4182.0 | 4142.5 | 3926.8 |
| 45°   | 5052.6 | 5044.7 | 5164.3 | 5349.8 | 5439.2 | 5354.4 | 4864.5 | 4523.2 | 4475.2 | 4226.7 |
| 47.5° | 4948.0 | 4932.2 | 5107.8 | 5400.4 | 5687.1 | 5836.3 | 5327.4 | 4893.4 | 4823.7 | 4518.6 |
| 50°   | 4633.7 | 4618.6 | 4884.2 | 5272.8 | 5770.6 | 6163.8 | 5829.8 | 5286.0 | 5179.5 | 4831.6 |
| 52.5° | 3950.5 | 3957.7 | 4374.0 | 4907.9 | 5660.8 | 6367.6 | 6262.4 | 5699.6 | 5571.4 | 5151.8 |
| 55°   | 3077.3 | 3093.1 | 3604.6 | 4192.5 | 5221.5 | 6336.7 | 6557.7 | 6125.7 | 5998.1 | 5453.0 |
| 57.5° | 2203.4 | 2273.1 | 2752.5 | 3334.4 | 4377.9 | 5846.9 | 6622.1 | 6530.7 | 6407.1 | 5781.8 |
| 60°   | 1428.2 | 1440.7 | 1933.8 | 2520.4 | 3333.7 | 4976.3 | 6491.3 | 6837.8 | 6741.1 | 6117.1 |
| 62.5° | 915.3  | 923.8  | 1224.3 | 1762.9 | 2399.4 | 3681.6 | 6050.7 | 6971.3 | 6941.7 | 6338.7 |
| 65°   | 672.7  | 666.1  | 822.6  | 1165.2 | 1616.2 | 2270.5 | 5195.2 | 6906.8 | 6965.3 | 6477.4 |
| 67.5° | 561.5  | 552.3  | 629.3  | 806.8  | 1190.8 | 1289.4 | 3844.0 | 6488.0 | 6702.3 | 6461.7 |
| 70°   | 511.6  | 503.7  | 550.4  | 599.0  | 929.1  | 863.4  | 1937.8 | 5640.4 | 5970.5 | 6282.2 |
| 72.5° | 433.3  | 419.5  | 483.3  | 532.0  | 722.6  | 662.1  | 800.9  | 4332.5 | 4735.0 | 5706.8 |
| 75°   | 336.0  | 326.8  | 381.4  | 468.2  | 543.1  | 516.8  | 506.3  | 2630.8 | 3070.1 | 4413.4 |
| 77.5° | 266.3  | 253.8  | 303.8  | 364.9  | 488.6  | 389.9  | 368.9  | 1132.9 | 1568.2 | 2817.6 |
| 80°   | 200.6  | 189.4  | 230.8  | 288.7  | 375.5  | 293.9  | 238.7  | 462.3  | 591.1  | 1427.5 |
| 82.5° | 142.7  | 132.8  | 161.1  | 211.7  | 252.5  | 263.7  | 146.6  | 259.1  | 291.3  | 550.4  |
| 85°   | 91.4   | 85.5   | 107.8  | 132.8  | 160.4  | 169.6  | 89.4   | 135.5  | 148.6  | 226.9  |
| 87.5° | 50.0   | 40.8   | 57.9   | 61.8   | 74.3   | 67.7   | 42.7   | 49.3   | 53.3   | 82.2   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1396.6 | 0°    | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 | 1396.6 |
| 1399.3 | 2.5°  | 1401.9 | 1403.9 | 1410.4 | 1412.4 | 1417.0 | 1422.9 | 1426.9 | 1430.8 | 1430.8 | 1434.8 |
| 1420.3 | 5°    | 1420.9 | 1425.6 | 1439.4 | 1446.6 | 1458.4 | 1470.3 | 1477.5 | 1486.0 | 1491.3 | 1493.9 |
| 1453.8 | 7.5°  | 1457.8 | 1465.0 | 1484.7 | 1497.2 | 1517.6 | 1534.0 | 1545.2 | 1557.1 | 1559.7 | 1566.9 |
| 1500.5 | 10°   | 1507.7 | 1516.3 | 1538.6 | 1562.3 | 1586.6 | 1607.0 | 1617.6 | 1626.1 | 1629.4 | 1630.7 |
| 1560.3 | 12.5° | 1565.0 | 1577.4 | 1606.4 | 1635.3 | 1661.0 | 1678.7 | 1681.3 | 1679.4 | 1670.2 | 1662.3 |
| 1634.0 | 15°   | 1635.3 | 1646.5 | 1678.7 | 1710.3 | 1735.3 | 1738.5 | 1722.1 | 1711.6 | 1700.4 | 1698.4 |
| 1716.2 | 17.5° | 1719.5 | 1725.4 | 1755.0 | 1785.9 | 1787.9 | 1776.7 | 1752.4 | 1742.5 | 1732.0 | 1724.7 |
| 1823.4 | 20°   | 1817.4 | 1815.5 | 1836.5 | 1849.7 | 1835.9 | 1801.7 | 1764.8 | 1748.4 | 1737.9 | 1729.3 |
| 1954.9 | 22.5° | 1934.5 | 1919.4 | 1916.7 | 1913.4 | 1876.6 | 1805.0 | 1755.0 | 1733.9 | 1717.5 | 1705.7 |
| 2138.3 | 25°   | 2104.8 | 2046.9 | 2006.8 | 1984.5 | 1901.6 | 1787.2 | 1723.4 | 1676.7 | 1645.8 | 1625.4 |
| 2362.5 | 27.5° | 2317.8 | 2220.5 | 2119.3 | 2064.7 | 1901.6 | 1751.0 | 1647.1 | 1571.5 | 1520.9 | 1499.9 |
| 2579.5 | 30°   | 2521.0 | 2419.1 | 2269.8 | 2161.3 | 1897.0 | 1691.9 | 1524.2 | 1419.0 | 1359.8 | 1338.8 |
| 2765.0 | 32.5° | 2694.6 | 2583.5 | 2429.6 | 2267.2 | 1885.8 | 1595.9 | 1371.6 | 1255.2 | 1198.0 | 1173.1 |
| 2948.4 | 35°   | 2855.7 | 2737.3 | 2590.1 | 2383.6 | 1856.2 | 1455.1 | 1204.0 | 1115.2 | 1051.4 | 1011.3 |
| 3135.2 | 37.5° | 3020.7 | 2880.0 | 2742.0 | 2488.8 | 1803.0 | 1290.8 | 1075.1 | 999.5  | 924.5  | 870.6  |
| 3333.7 | 40°   | 3200.3 | 3031.9 | 2904.4 | 2551.3 | 1715.5 | 1134.3 | 975.1  | 906.1  | 826.5  | 769.3  |
| 3562.6 | 42.5° | 3410.0 | 3214.1 | 3085.2 | 2583.5 | 1595.9 | 1023.1 | 910.0  | 842.3  | 767.4  | 720.7  |
| 3807.8 | 45°   | 3629.0 | 3414.6 | 3250.2 | 2582.8 | 1462.4 | 971.2  | 889.0  | 821.9  | 739.1  | 690.4  |
| 4059.7 | 47.5° | 3858.5 | 3624.4 | 3392.9 | 2540.7 | 1346.6 | 978.4  | 877.2  | 777.9  | 686.5  | 639.1  |
| 4314.1 | 50°   | 4088.6 | 3853.9 | 3531.0 | 2461.8 | 1297.3 | 962.6  | 833.1  | 716.1  | 608.2  | 565.5  |
| 4552.8 | 52.5° | 4316.8 | 4097.8 | 3650.0 | 2349.4 | 1247.4 | 904.1  | 776.6  | 635.8  | 576.0  | 546.4  |
| 4799.4 | 55°   | 4546.2 | 4339.1 | 3779.6 | 2185.7 | 1122.4 | 835.7  | 681.9  | 605.6  | 550.4  | 523.4  |
| 5040.7 | 57.5° | 4776.4 | 4617.9 | 3902.5 | 2021.9 | 965.3  | 751.6  | 629.9  | 568.8  | 524.7  | 501.7  |
| 5242.6 | 60°   | 5015.7 | 4936.8 | 4029.4 | 1871.4 | 810.1  | 643.7  | 591.8  | 539.2  | 494.5  | 468.8  |
| 5436.6 | 62.5° | 5262.3 | 5288.0 | 4128.7 | 1677.4 | 667.4  | 578.0  | 557.6  | 503.7  | 460.3  | 436.0  |
| 5597.0 | 65°   | 5510.9 | 5626.6 | 4193.8 | 1408.5 | 541.2  | 515.5  | 520.8  | 464.9  | 420.8  | 399.8  |
| 5714.7 | 67.5° | 5698.3 | 5870.5 | 4175.4 | 1065.9 | 443.8  | 456.3  | 474.7  | 424.1  | 382.7  | 366.3  |
| 5695.6 | 70°   | 5719.3 | 5841.6 | 3993.9 | 729.9  | 371.5  | 398.5  | 423.5  | 384.0  | 341.3  | 329.4  |
| 5427.4 | 72.5° | 5439.2 | 5447.1 | 3488.3 | 476.7  | 314.3  | 349.8  | 369.5  | 343.2  | 301.8  | 290.0  |
| 4748.1 | 75°   | 4704.7 | 4504.8 | 2561.1 | 314.3  | 263.0  | 300.5  | 318.9  | 300.5  | 260.4  | 263.0  |
| 3552.7 | 77.5° | 3564.5 | 3190.4 | 1555.1 | 223.6  | 219.6  | 252.5  | 277.5  | 264.3  | 230.1  | 258.4  |
| 1786.5 | 80°   | 1836.5 | 1726.0 | 693.7  | 167.0  | 173.6  | 201.9  | 228.2  | 211.1  | 182.1  | 173.6  |
| 399.1  | 82.5° | 420.8  | 489.2  | 273.5  | 119.7  | 125.6  | 145.3  | 174.2  | 158.5  | 130.9  | 110.5  |
| 166.4  | 85°   | 147.3  | 161.1  | 121.0  | 75.0   | 73.6   | 90.7   | 118.4  | 105.9  | 88.8   | 71.0   |
| 70.4   | 87.5° | 46.7   | 61.2   | 45.4   | 30.2   | 31.6   | 40.8   | 54.6   | 50.0   | 41.4   | 27.0   |
| 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°   |
|--------|
| 1396.6 |
| 1434.8 |
| 1495.3 |
| 1564.3 |
| 1627.4 |
| 1662.3 |
| 1698.4 |
| 1725.4 |
| 1730.0 |
| 1709.6 |
| 1633.3 |
| 1510.4 |
| 1351.2 |
| 1185.5 |
| 1024.5 |
| 885.1  |
| 780.5  |
| 729.9  |
| 698.3  |
| 645.7  |
| 568.1  |
| 546.4  |
| 520.8  |
| 497.8  |
| 466.9  |
| 435.3  |
| 399.1  |
| 366.9  |
| 330.1  |
| 289.3  |
| 253.8  |
| 227.5  |
| 158.5  |
| 109.2  |
| 75.0   |
| 28.3   |
| 0.0    |