

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: P939742

Luminaire Tested: **GLAN-SB2C-727-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13770 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 100.9  
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



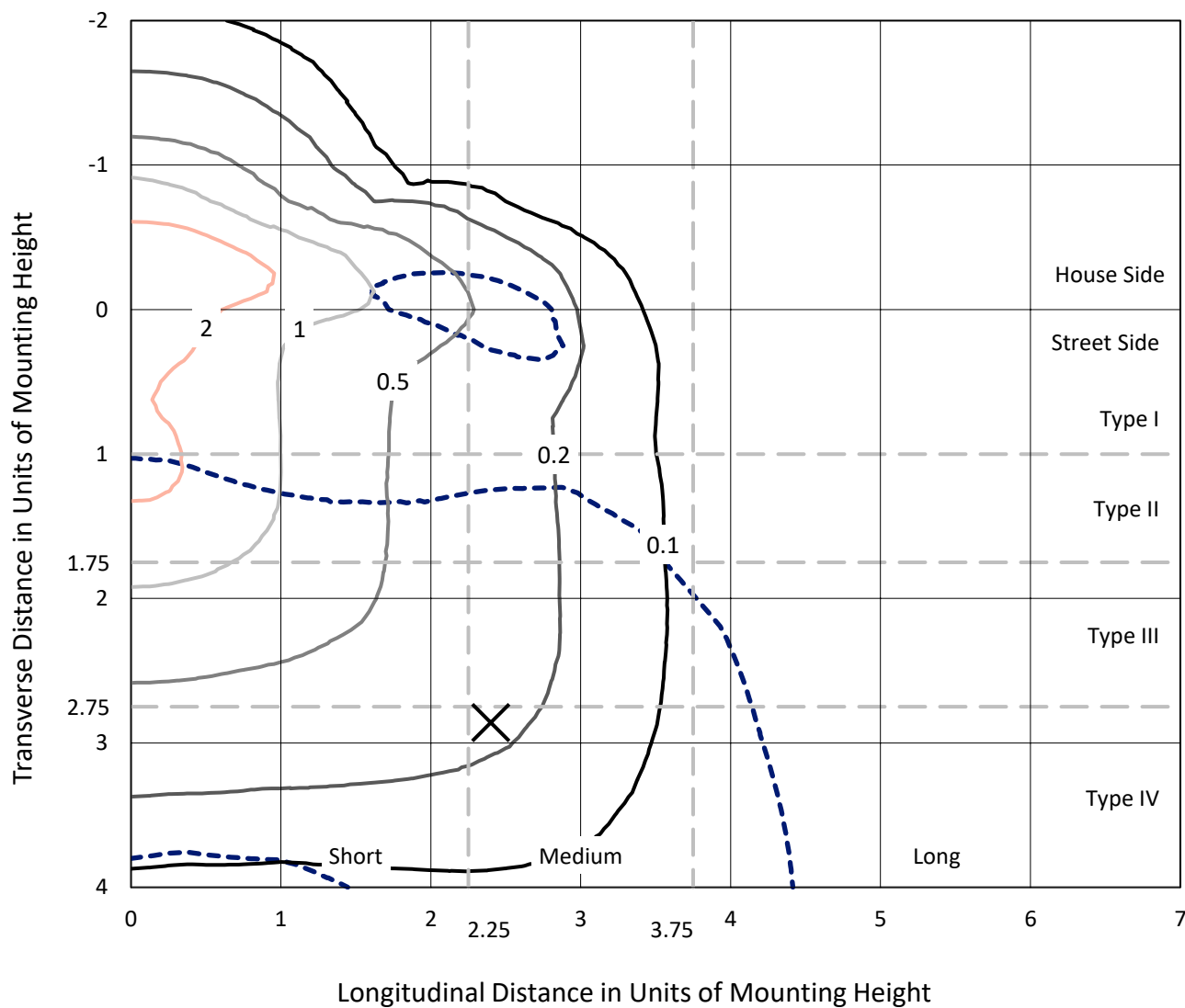
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

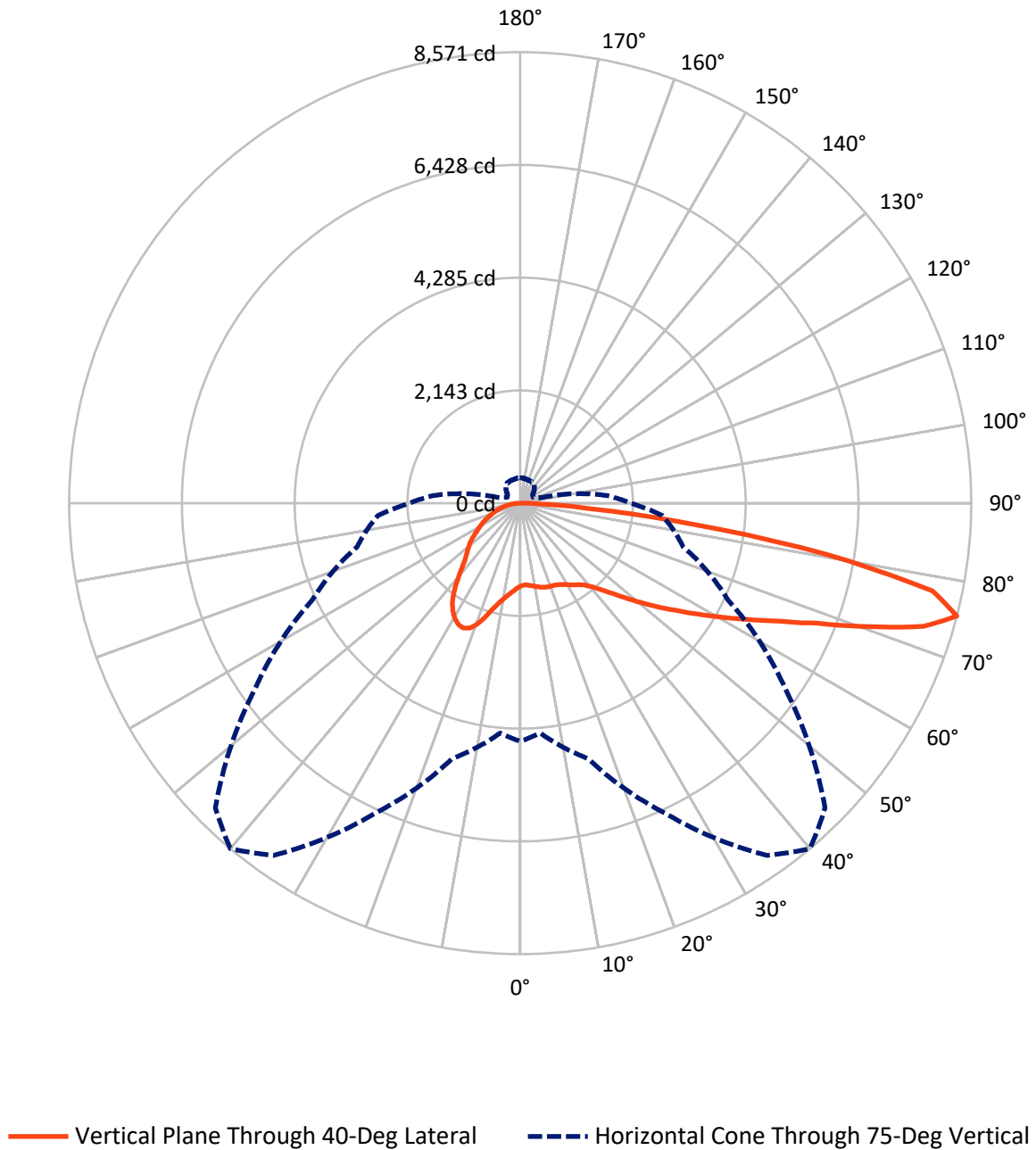


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4266.4   | 0.0    | 4266.4  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 9503.6   | 0.0    | 9503.6  |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 13770.0  | 0.0    | 13770.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 157.2   | 1.1       |
| 10°-20°   | 527.7   | 3.8       |
| 20°-30°   | 963.6   | 7.0       |
| 30°-40°   | 1366.6  | 9.9       |
| 40°-50°   | 1845.3  | 13.4      |
| 50°-60°   | 2482.5  | 18.0      |
| 60°-70°   | 3150.8  | 22.9      |
| 70°-80°   | 2859.5  | 20.8      |
| 80°-90°   | 416.8   | 3.0       |
| 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°    | 13770.0 | 100.0     |
| 0°-180°   | 13770.0 | 100.0     |

**Coefficient of Utilization**



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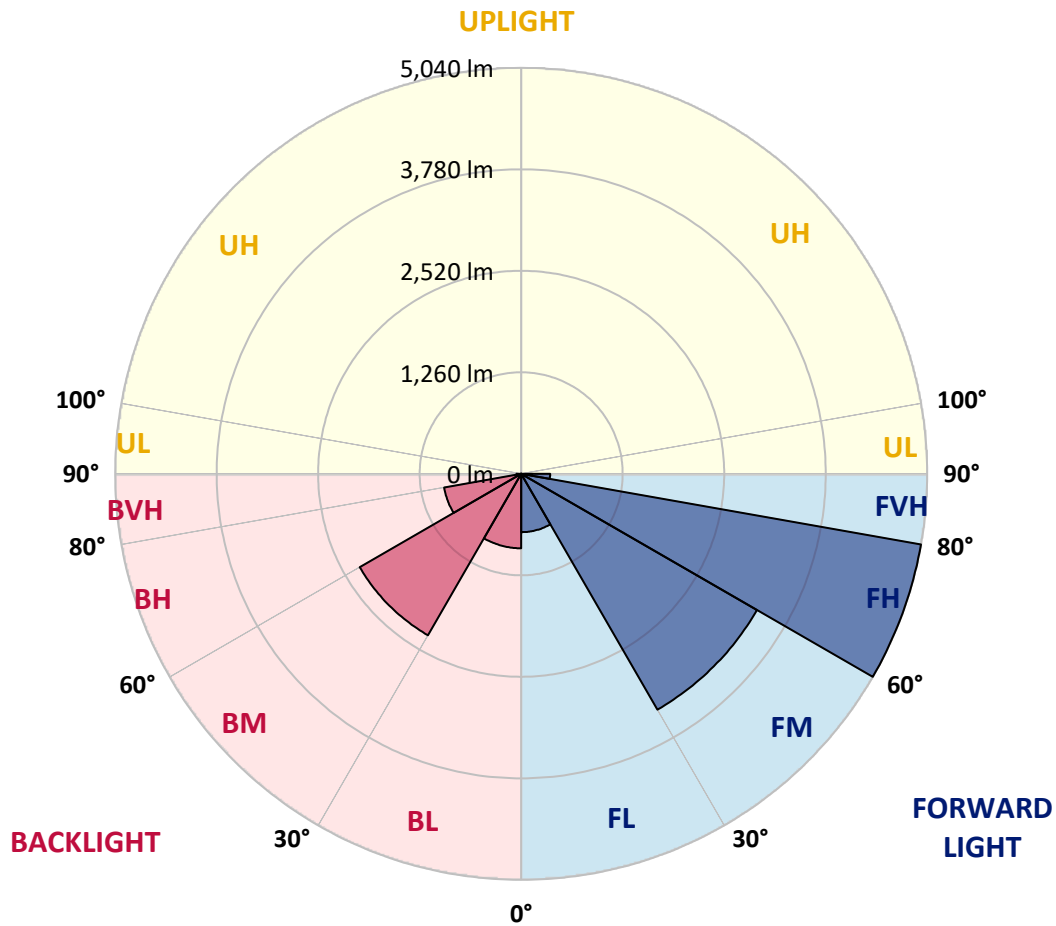
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 724.3  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 3380.2 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 5039.6 | 36.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 359.4  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 924.1  | 6.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2314.1 | 16.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 970.7  | 7.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 57.4   | 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-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 |
| 2.5°  | 1550.5 | 1559.3 | 1557.1 | 1554.2 | 1554.2 | 1554.9 | 1554.2 | 1559.3 | 1564.4 | 1569.5 |
| 5°    | 1566.6 | 1575.3 | 1571.0 | 1567.3 | 1564.4 | 1563.7 | 1561.5 | 1560.7 | 1563.7 | 1570.2 |
| 7.5°  | 1598.0 | 1606.8 | 1600.2 | 1593.6 | 1587.8 | 1584.8 | 1581.9 | 1577.5 | 1575.3 | 1579.0 |
| 10°   | 1633.0 | 1641.8 | 1633.8 | 1622.1 | 1612.6 | 1608.9 | 1606.0 | 1601.6 | 1598.7 | 1600.9 |
| 12.5° | 1668.1 | 1676.9 | 1665.9 | 1649.8 | 1637.4 | 1635.2 | 1631.6 | 1630.1 | 1629.4 | 1628.7 |
| 15°   | 1701.0 | 1708.3 | 1694.4 | 1675.4 | 1662.3 | 1658.6 | 1655.0 | 1657.1 | 1660.8 | 1665.2 |
| 17.5° | 1726.5 | 1733.8 | 1713.4 | 1688.6 | 1676.1 | 1674.7 | 1672.5 | 1679.8 | 1690.0 | 1701.0 |
| 20°   | 1749.9 | 1757.2 | 1730.9 | 1697.3 | 1682.7 | 1682.7 | 1683.4 | 1698.8 | 1713.4 | 1729.5 |
| 22.5° | 1782.8 | 1788.6 | 1756.5 | 1710.5 | 1689.3 | 1690.7 | 1696.6 | 1711.9 | 1730.2 | 1752.1 |
| 25°   | 1831.7 | 1836.1 | 1796.6 | 1735.3 | 1711.2 | 1715.6 | 1720.7 | 1728.0 | 1745.5 | 1771.1 |
| 27.5° | 1910.6 | 1914.2 | 1862.4 | 1779.1 | 1742.6 | 1749.9 | 1757.2 | 1752.1 | 1760.1 | 1782.0 |
| 30°   | 2021.6 | 2023.8 | 1958.0 | 1847.8 | 1795.9 | 1799.6 | 1801.0 | 1779.8 | 1764.5 | 1782.0 |
| 32.5° | 2153.0 | 2152.3 | 2074.2 | 1931.0 | 1856.5 | 1852.9 | 1840.5 | 1798.8 | 1763.0 | 1778.4 |
| 35°   | 2356.8 | 2348.8 | 2248.0 | 2047.9 | 1925.2 | 1902.5 | 1873.3 | 1820.0 | 1770.3 | 1774.7 |
| 37.5° | 2694.2 | 2669.4 | 2529.9 | 2239.2 | 2027.4 | 1969.7 | 1926.6 | 1854.3 | 1786.4 | 1773.3 |
| 40°   | 3074.7 | 3043.3 | 2890.0 | 2501.4 | 2180.8 | 2088.0 | 2018.7 | 1903.3 | 1812.7 | 1779.8 |
| 42.5° | 3526.1 | 3481.5 | 3316.5 | 2810.4 | 2375.1 | 2240.7 | 2136.3 | 1965.4 | 1851.4 | 1801.0 |
| 45°   | 4080.4 | 4021.3 | 3787.6 | 3158.7 | 2619.7 | 2440.8 | 2301.3 | 2059.6 | 1910.6 | 1841.9 |
| 47.5° | 4640.6 | 4655.2 | 4322.9 | 3557.5 | 2913.3 | 2687.7 | 2508.0 | 2201.3 | 1996.8 | 1907.7 |
| 50°   | 5235.8 | 5246.0 | 4855.3 | 3999.4 | 3246.4 | 2966.7 | 2740.2 | 2359.7 | 2116.5 | 2001.1 |
| 52.5° | 5700.3 | 5701.8 | 5338.8 | 4461.7 | 3593.3 | 3273.4 | 2990.8 | 2540.9 | 2255.3 | 2125.3 |
| 55°   | 5991.0 | 5987.3 | 5677.7 | 4899.1 | 3992.1 | 3595.5 | 3268.3 | 2746.8 | 2424.7 | 2271.4 |
| 57.5° | 6202.1 | 6191.1 | 5911.4 | 5275.3 | 4417.1 | 3976.0 | 3582.3 | 2980.5 | 2624.8 | 2445.2 |
| 60°   | 6282.4 | 6275.8 | 6069.9 | 5600.3 | 4864.1 | 4396.7 | 3944.6 | 3242.0 | 2852.0 | 2650.4 |
| 62.5° | 6313.1 | 6325.5 | 6225.4 | 5915.0 | 5342.5 | 4862.6 | 4342.6 | 3554.6 | 3107.6 | 2882.7 |
| 65°   | 6421.2 | 6443.8 | 6423.4 | 6327.0 | 5882.9 | 5408.2 | 4870.7 | 3926.3 | 3386.6 | 3131.7 |
| 67.5° | 6635.2 | 6657.8 | 6666.6 | 6819.9 | 6543.1 | 6088.1 | 5529.4 | 4389.4 | 3713.1 | 3390.2 |
| 70°   | 6630.0 | 6623.5 | 6778.3 | 7212.1 | 7369.9 | 7029.5 | 6417.5 | 4959.0 | 4102.3 | 3605.0 |
| 72.5° | 6034.8 | 5982.2 | 6348.1 | 7207.7 | 8057.9 | 8012.6 | 7502.1 | 5693.7 | 4438.3 | 3631.3 |
| 75°   | 4527.4 | 4387.2 | 5033.5 | 6495.7 | 8172.5 | 8570.6 | 8191.5 | 6149.5 | 4358.7 | 3208.4 |
| 77.5° | 1936.1 | 1795.2 | 2556.9 | 4808.6 | 7314.4 | 8011.9 | 7559.0 | 5365.1 | 3479.4 | 2121.6 |
| 80°   | 506.9  | 506.1  | 772.7  | 2180.1 | 4974.4 | 5916.5 | 5190.5 | 3464.7 | 1988.0 | 758.1  |
| 82.5° | 209.6  | 204.5  | 284.1  | 847.9  | 2430.6 | 3320.1 | 2709.6 | 1545.4 | 717.9  | 205.2  |
| 85°   | 78.1   | 77.4   | 138.0  | 292.9  | 857.4  | 1369.4 | 991.1  | 395.1  | 178.9  | 100.1  |
| 87.5° | 21.9   | 21.2   | 29.9   | 101.5  | 208.9  | 317.0  | 169.4  | 65.0   | 50.4   | 39.4   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1574.6 | 0°    | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 | 1574.6 |
| 1577.5 | 2.5°  | 1579.7 | 1583.4 | 1590.0 | 1595.1 | 1601.6 | 1608.9 | 1619.2 | 1625.7 | 1632.3 | 1636.7 |
| 1581.2 | 5°    | 1586.3 | 1594.3 | 1611.1 | 1627.9 | 1647.7 | 1665.9 | 1687.1 | 1702.4 | 1714.8 | 1718.5 |
| 1594.3 | 7.5°  | 1600.9 | 1614.1 | 1642.5 | 1671.0 | 1702.4 | 1732.4 | 1763.0 | 1789.3 | 1810.5 | 1818.6 |
| 1617.7 | 10°   | 1626.5 | 1644.0 | 1684.2 | 1724.3 | 1766.0 | 1812.0 | 1851.4 | 1889.4 | 1919.3 | 1931.8 |
| 1645.5 | 12.5° | 1658.6 | 1680.5 | 1733.1 | 1788.6 | 1846.3 | 1909.8 | 1961.0 | 2007.7 | 2045.0 | 2061.8 |
| 1684.2 | 15°   | 1700.2 | 1728.7 | 1795.9 | 1870.4 | 1955.1 | 2043.5 | 2108.5 | 2160.4 | 2202.0 | 2222.4 |
| 1724.3 | 17.5° | 1745.5 | 1783.5 | 1868.2 | 1980.7 | 2101.9 | 2218.0 | 2294.0 | 2332.0 | 2375.1 | 2394.8 |
| 1761.6 | 20°   | 1789.3 | 1836.1 | 1957.3 | 2120.9 | 2282.3 | 2405.7 | 2467.1 | 2477.3 | 2480.2 | 2482.4 |
| 1796.6 | 22.5° | 1834.6 | 1897.4 | 2069.1 | 2297.7 | 2470.7 | 2556.2 | 2565.0 | 2521.1 | 2459.8 | 2431.3 |
| 1831.0 | 25°   | 1884.3 | 1967.5 | 2215.1 | 2492.7 | 2632.9 | 2643.1 | 2575.9 | 2469.3 | 2353.2 | 2299.8 |
| 1858.7 | 27.5° | 1932.5 | 2048.6 | 2390.4 | 2678.9 | 2749.7 | 2659.9 | 2515.3 | 2364.1 | 2223.9 | 2167.7 |
| 1878.4 | 30°   | 1980.7 | 2141.4 | 2584.0 | 2841.8 | 2803.1 | 2618.3 | 2419.6 | 2250.9 | 2110.0 | 2050.8 |
| 1896.0 | 32.5° | 2029.6 | 2249.5 | 2806.7 | 2959.3 | 2793.6 | 2529.9 | 2300.6 | 2123.8 | 1999.7 | 1937.6 |
| 1911.3 | 35°   | 2085.1 | 2382.4 | 3017.8 | 3023.6 | 2730.0 | 2399.9 | 2143.6 | 1971.9 | 1863.8 | 1814.2 |
| 1929.6 | 37.5° | 2157.4 | 2551.1 | 3204.0 | 3039.7 | 2619.0 | 2209.3 | 1948.6 | 1792.3 | 1703.2 | 1680.5 |
| 1956.6 | 40°   | 2247.3 | 2754.1 | 3346.4 | 3014.1 | 2454.7 | 1977.8 | 1735.3 | 1610.4 | 1560.0 | 1565.1 |
| 1993.1 | 42.5° | 2364.1 | 2981.3 | 3446.5 | 2948.4 | 2226.1 | 1738.9 | 1548.3 | 1492.8 | 1516.9 | 1537.4 |
| 2047.9 | 45°   | 2516.0 | 3217.2 | 3508.6 | 2836.6 | 1967.5 | 1536.6 | 1438.0 | 1451.2 | 1469.4 | 1471.6 |
| 2136.3 | 47.5° | 2710.3 | 3456.0 | 3549.5 | 2667.9 | 1703.9 | 1394.2 | 1367.9 | 1370.9 | 1367.2 | 1351.9 |
| 2268.4 | 50°   | 2952.8 | 3688.2 | 3586.0 | 2444.5 | 1479.7 | 1305.1 | 1270.1 | 1259.8 | 1209.4 | 1159.8 |
| 2444.5 | 52.5° | 3228.8 | 3901.5 | 3601.3 | 2166.9 | 1305.1 | 1230.6 | 1173.7 | 1109.4 | 1015.2 | 999.8  |
| 2665.7 | 55°   | 3535.6 | 4098.7 | 3561.9 | 1825.9 | 1158.3 | 1135.0 | 1048.8 | 971.4  | 961.1  | 948.0  |
| 2957.2 | 57.5° | 3902.2 | 4311.2 | 3481.5 | 1445.3 | 1007.9 | 1023.2 | 939.2  | 948.0  | 929.7  | 909.3  |
| 3331.8 | 60°   | 4303.2 | 4531.0 | 3340.6 | 1098.4 | 852.3  | 883.7  | 910.7  | 910.0  | 904.9  | 888.1  |
| 3726.9 | 62.5° | 4664.0 | 4675.7 | 3063.1 | 841.4  | 715.7  | 775.6  | 849.4  | 848.7  | 844.3  | 834.8  |
| 4139.6 | 65°   | 4878.7 | 4653.7 | 2600.0 | 662.4  | 603.3  | 686.5  | 766.1  | 772.0  | 772.7  | 772.0  |
| 4450.0 | 67.5° | 4840.7 | 4397.4 | 1964.6 | 527.3  | 510.5  | 596.0  | 683.6  | 691.6  | 697.5  | 698.9  |
| 4489.4 | 70°   | 4411.3 | 3834.3 | 1281.0 | 420.7  | 428.0  | 516.4  | 605.5  | 613.5  | 618.6  | 624.4  |
| 3895.6 | 72.5° | 3438.5 | 2819.1 | 733.3  | 340.3  | 355.7  | 447.7  | 528.0  | 537.5  | 540.5  | 551.4  |
| 2711.0 | 75°   | 2095.4 | 1657.9 | 395.8  | 268.0  | 292.1  | 382.7  | 451.4  | 462.3  | 467.4  | 480.6  |
| 1331.4 | 77.5° | 996.2  | 717.9  | 225.7  | 208.9  | 235.2  | 312.6  | 381.2  | 393.7  | 379.8  | 387.1  |
| 367.4  | 80°   | 336.7  | 266.6  | 142.4  | 159.2  | 179.7  | 243.9  | 305.3  | 317.7  | 288.5  | 287.0  |
| 122.0  | 82.5° | 117.6  | 108.1  | 90.6   | 105.9  | 116.1  | 174.6  | 230.8  | 246.9  | 214.7  | 214.0  |
| 54.8   | 85°   | 46.0   | 43.8   | 50.4   | 57.7   | 69.4   | 107.4  | 151.9  | 159.9  | 132.2  | 106.6  |
| 16.1   | 87.5° | 9.5    | 10.2   | 12.4   | 13.1   | 21.2   | 37.2   | 54.8   | 67.2   | 53.3   | 45.3   |
| 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°   |
|--------|
| 1574.6 |
| 1633.8 |
| 1720.0 |
| 1819.3 |
| 1932.5 |
| 2061.8 |
| 2221.0 |
| 2394.1 |
| 2488.3 |
| 2439.3 |
| 2307.9 |
| 2174.2 |
| 2057.4 |
| 1945.6 |
| 1825.1 |
| 1696.6 |
| 1582.7 |
| 1556.4 |
| 1486.2 |
| 1363.5 |
| 1166.4 |
| 1005.0 |
| 950.2  |
| 905.6  |
| 882.3  |
| 831.1  |
| 772.0  |
| 700.4  |
| 627.4  |
| 555.8  |
| 482.0  |
| 381.2  |
| 284.1  |
| 203.8  |
| 105.2  |
| 41.6   |
| 0.0    |

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