

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: P947160

Luminaire Tested: **GLAN-SB2C-830-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-830-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13431 lumens  
Efficiency: N/A  
Efficacy: 133.1 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): 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

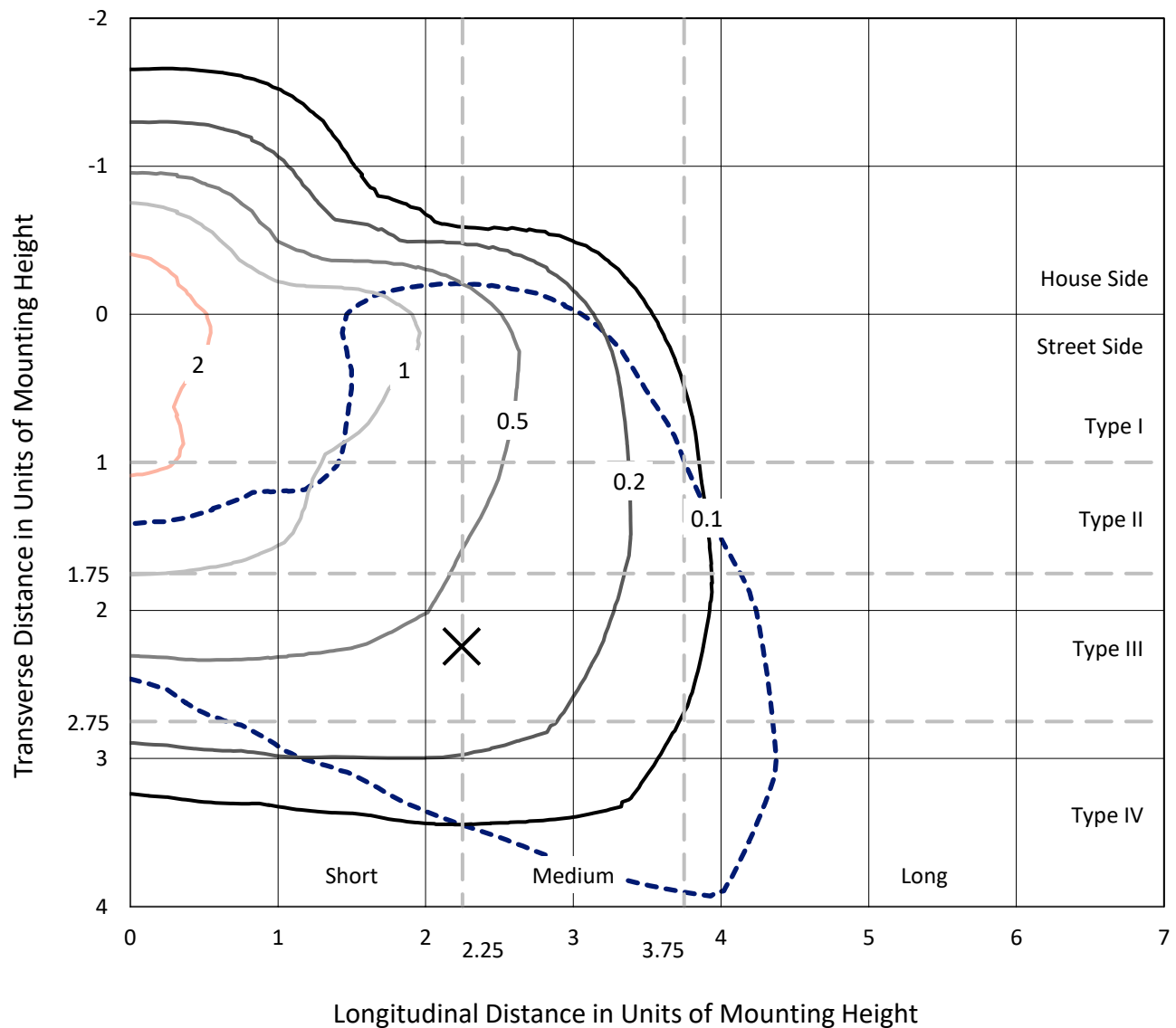


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## Iso-Footcandle Lines of Horizontal Illumination

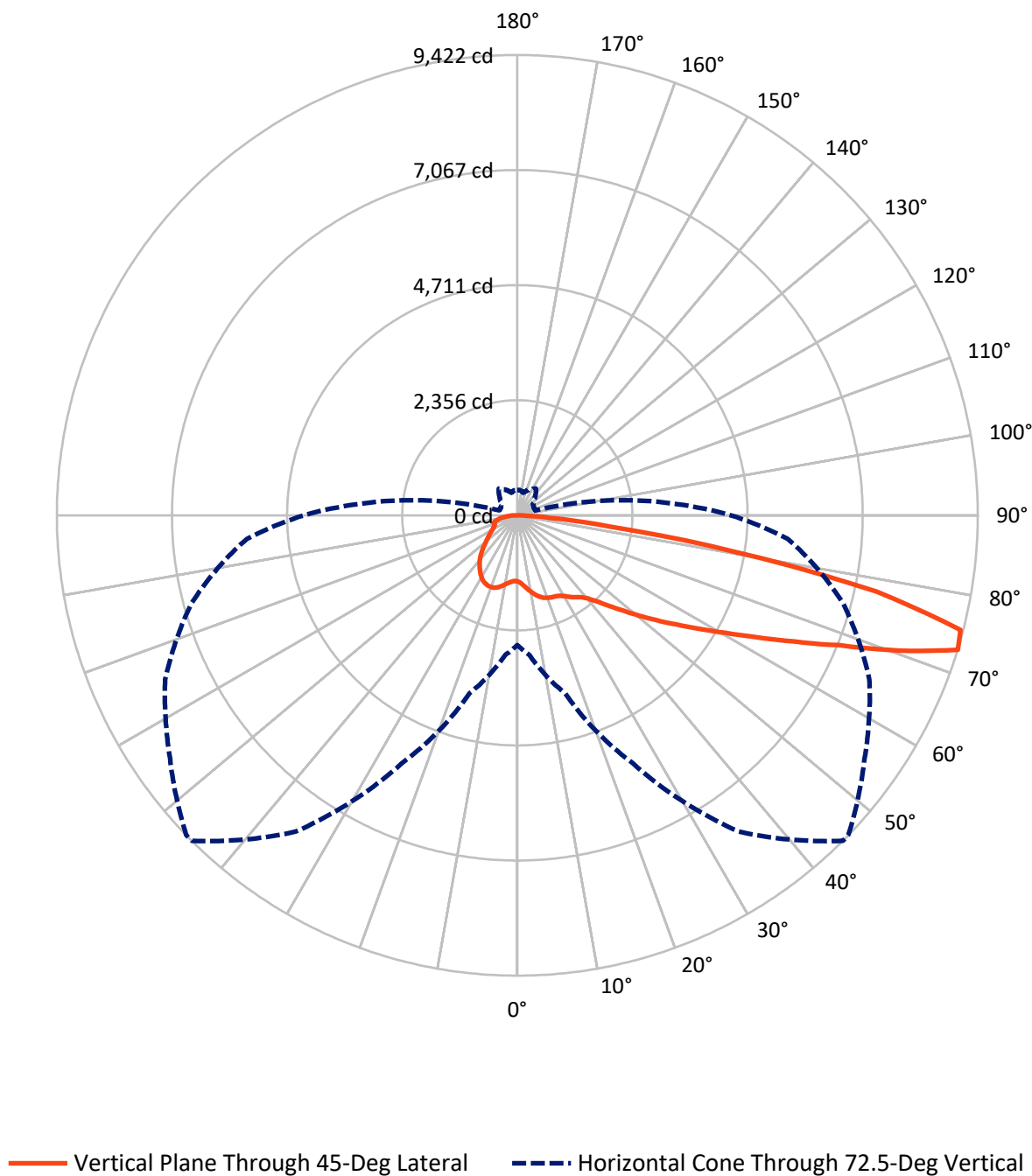
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3036.3   | 0.0    | 3036.3  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 10394.7  | 0.0    | 10394.7 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 13431.0  | 0.0    | 13431.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 137.9   | 1.0       |
| 10°-20°   | 459.8   | 3.4       |
| 20°-30°   | 799.8   | 6.0       |
| 30°-40°   | 1146.6  | 8.5       |
| 40°-50°   | 1614.5  | 12.0      |
| 50°-60°   | 2472.9  | 18.4      |
| 60°-70°   | 3582.4  | 26.7      |
| 70°-80°   | 2860.8  | 21.3      |
| 80°-90°   | 356.3   | 2.7       |
| 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°    | 13431.0 | 100.0     |
| 0°-180°   | 13431.0 | 100.0     |

**Coefficient of Utilization**



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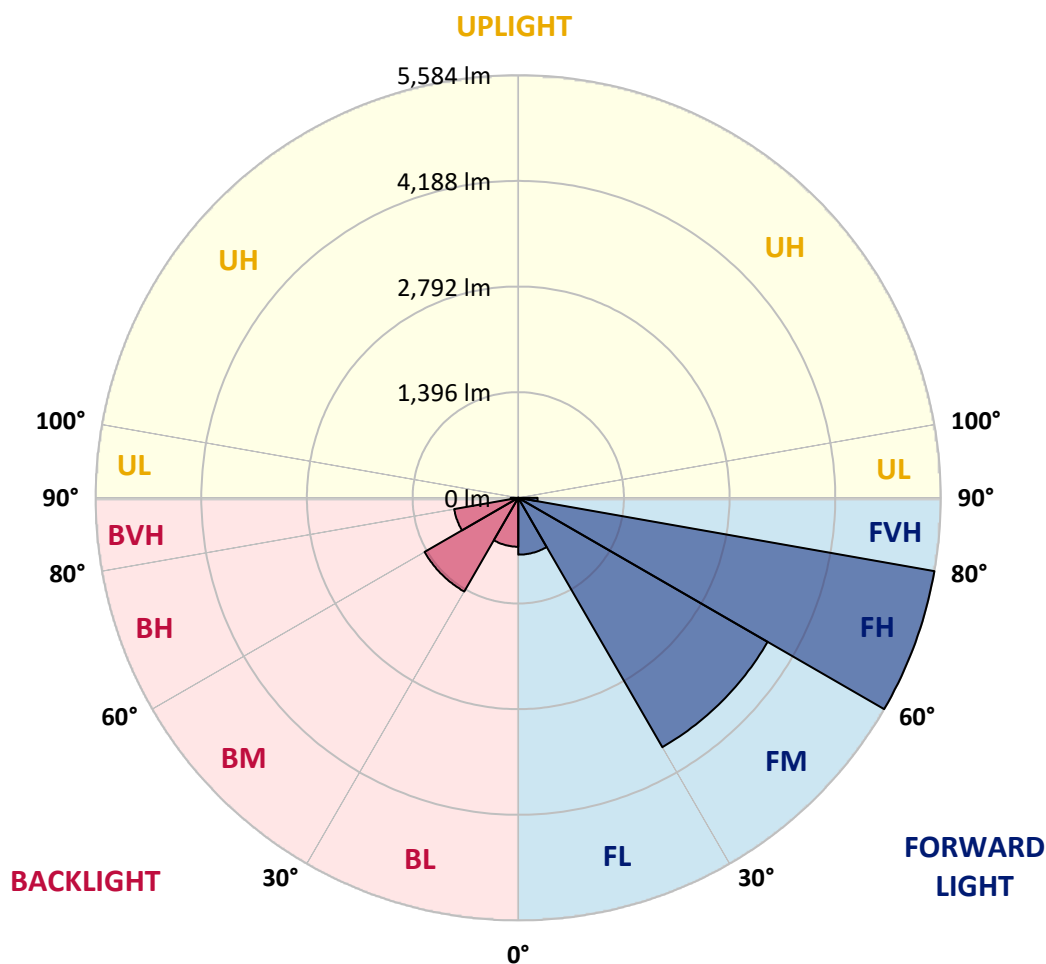
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 751.1  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 3804.4 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 5583.7 | 41.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 255.6  | 1.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 646.5  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1429.7 | 10.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 859.5  | 6.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 100.7  | 0.7       |                         |      | G2/225  |
| 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°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 |
| 2.5°  | 1408.0 | 1417.2 | 1408.7 | 1400.9 | 1397.4 | 1388.2 | 1387.5 | 1381.8 | 1378.3 | 1368.4 |
| 5°    | 1506.3 | 1518.4 | 1504.2 | 1488.7 | 1474.5 | 1451.9 | 1449.0 | 1432.8 | 1414.4 | 1393.1 |
| 7.5°  | 1617.4 | 1628.0 | 1611.8 | 1588.4 | 1563.6 | 1526.1 | 1525.4 | 1495.7 | 1466.7 | 1430.6 |
| 10°   | 1714.4 | 1728.5 | 1706.6 | 1674.7 | 1643.6 | 1601.1 | 1596.2 | 1562.2 | 1525.4 | 1478.7 |
| 12.5° | 1800.0 | 1809.9 | 1788.6 | 1749.7 | 1713.6 | 1671.2 | 1664.8 | 1627.3 | 1586.3 | 1533.2 |
| 15°   | 1867.9 | 1880.6 | 1852.3 | 1810.6 | 1772.4 | 1730.6 | 1725.0 | 1691.0 | 1650.0 | 1594.1 |
| 17.5° | 1912.5 | 1923.1 | 1894.1 | 1847.4 | 1810.6 | 1775.9 | 1771.7 | 1743.4 | 1707.3 | 1650.7 |
| 20°   | 1929.4 | 1940.8 | 1910.3 | 1862.9 | 1829.0 | 1802.1 | 1800.0 | 1779.4 | 1754.7 | 1703.0 |
| 22.5° | 1946.4 | 1957.0 | 1917.4 | 1867.9 | 1838.2 | 1821.2 | 1820.5 | 1807.0 | 1797.1 | 1754.7 |
| 25°   | 2015.1 | 2017.9 | 1964.8 | 1893.4 | 1850.9 | 1836.0 | 1835.3 | 1834.6 | 1838.9 | 1805.6 |
| 27.5° | 2074.5 | 2073.8 | 2028.5 | 1961.3 | 1895.5 | 1864.4 | 1863.6 | 1870.7 | 1884.2 | 1856.6 |
| 30°   | 2161.5 | 2153.7 | 2100.0 | 2029.9 | 1969.8 | 1921.7 | 1917.4 | 1911.0 | 1921.7 | 1899.7 |
| 32.5° | 2346.2 | 2321.4 | 2234.4 | 2109.9 | 2031.3 | 1994.5 | 1988.9 | 1949.3 | 1953.5 | 1940.1 |
| 35°   | 2610.8 | 2578.3 | 2462.2 | 2261.3 | 2107.7 | 2055.4 | 2052.6 | 2002.3 | 1993.8 | 1981.8 |
| 37.5° | 2925.7 | 2885.3 | 2750.2 | 2480.6 | 2239.3 | 2126.1 | 2121.9 | 2076.6 | 2041.9 | 2029.2 |
| 40°   | 3241.9 | 3191.0 | 3079.2 | 2748.1 | 2433.2 | 2244.3 | 2230.9 | 2162.2 | 2122.6 | 2101.4 |
| 42.5° | 3549.0 | 3506.5 | 3411.0 | 3048.1 | 2672.4 | 2416.9 | 2387.2 | 2269.8 | 2240.1 | 2220.2 |
| 45°   | 3820.7 | 3782.5 | 3712.4 | 3368.6 | 2952.5 | 2651.8 | 2622.8 | 2431.1 | 2421.9 | 2421.9 |
| 47.5° | 4041.4 | 4032.9 | 3958.6 | 3695.4 | 3283.0 | 2919.3 | 2869.0 | 2655.4 | 2680.1 | 2718.3 |
| 50°   | 4286.2 | 4262.9 | 4183.6 | 4017.4 | 3671.4 | 3225.6 | 3184.6 | 2930.6 | 3023.3 | 3128.0 |
| 52.5° | 4511.2 | 4524.0 | 4435.5 | 4352.7 | 4110.1 | 3567.4 | 3495.2 | 3255.4 | 3455.6 | 3628.9 |
| 55°   | 4742.6 | 4743.3 | 4718.5 | 4707.2 | 4570.0 | 3945.2 | 3866.0 | 3645.9 | 3964.3 | 4179.4 |
| 57.5° | 4959.8 | 4961.2 | 4998.0 | 5097.8 | 5103.4 | 4381.0 | 4291.2 | 4125.6 | 4529.6 | 4749.0 |
| 60°   | 5153.7 | 5163.6 | 5264.0 | 5497.5 | 5572.5 | 4880.6 | 4795.7 | 4692.4 | 5114.1 | 5334.8 |
| 62.5° | 5218.8 | 5254.9 | 5478.4 | 5810.3 | 6036.0 | 5493.3 | 5409.8 | 5348.2 | 5728.2 | 5933.4 |
| 65°   | 5108.4 | 5191.2 | 5623.5 | 6068.5 | 6512.8 | 6221.3 | 6138.6 | 6071.3 | 6366.4 | 6559.5 |
| 67.5° | 4837.4 | 4944.2 | 5615.0 | 6339.5 | 7091.6 | 7097.3 | 7020.1 | 6862.4 | 7050.6 | 7124.9 |
| 70°   | 4123.5 | 4283.4 | 5120.4 | 6440.7 | 7756.0 | 8295.1 | 8220.8 | 7814.7 | 7733.3 | 7373.9 |
| 72.5° | 2656.8 | 2871.9 | 3770.4 | 5607.9 | 7903.9 | 9422.2 | 9418.0 | 8674.4 | 7949.1 | 6890.0 |
| 75°   | 969.3  | 1100.9 | 1751.9 | 3520.0 | 6634.5 | 9364.9 | 9392.5 | 8527.2 | 7256.5 | 5322.1 |
| 77.5° | 353.1  | 386.3  | 571.7  | 1352.8 | 4080.3 | 7514.0 | 7571.3 | 6817.1 | 5165.0 | 2670.9 |
| 80°   | 185.4  | 203.8  | 292.9  | 525.0  | 1748.3 | 4462.4 | 4552.3 | 4051.3 | 2427.5 | 804.5  |
| 82.5° | 102.6  | 111.1  | 164.1  | 285.1  | 787.5  | 1908.2 | 1962.0 | 1600.4 | 854.0  | 341.0  |
| 85°   | 55.2   | 58.7   | 77.1   | 155.7  | 384.9  | 661.5  | 676.4  | 478.3  | 340.3  | 200.2  |
| 87.5° | 16.3   | 19.8   | 25.5   | 49.5   | 150.7  | 148.6  | 152.1  | 94.8   | 134.4  | 101.2  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1354.9 | 0°    | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 | 1354.9 |
| 1365.5 | 2.5°  | 1361.3 | 1359.2 | 1351.4 | 1347.9 | 1343.6 | 1342.9 | 1346.4 | 1347.1 | 1347.9 | 1348.6 |
| 1381.1 | 5°    | 1374.0 | 1367.0 | 1359.9 | 1355.6 | 1357.0 | 1357.8 | 1364.8 | 1369.8 | 1373.3 | 1376.2 |
| 1410.1 | 7.5°  | 1398.8 | 1393.1 | 1381.1 | 1380.4 | 1382.5 | 1388.9 | 1398.1 | 1409.4 | 1415.8 | 1420.7 |
| 1447.6 | 10°   | 1435.6 | 1425.0 | 1410.8 | 1412.9 | 1417.2 | 1426.4 | 1445.5 | 1454.7 | 1465.3 | 1474.5 |
| 1493.6 | 12.5° | 1473.1 | 1463.9 | 1447.6 | 1449.0 | 1456.1 | 1472.4 | 1490.8 | 1502.1 | 1509.2 | 1516.2 |
| 1543.1 | 15°   | 1521.9 | 1505.6 | 1487.9 | 1487.9 | 1500.7 | 1518.4 | 1526.9 | 1536.1 | 1540.3 | 1548.1 |
| 1596.2 | 17.5° | 1572.1 | 1550.9 | 1527.6 | 1526.1 | 1541.7 | 1550.2 | 1555.2 | 1556.6 | 1558.0 | 1566.5 |
| 1647.8 | 20°   | 1622.4 | 1599.0 | 1565.8 | 1562.9 | 1566.5 | 1565.1 | 1564.4 | 1562.9 | 1565.1 | 1575.7 |
| 1700.9 | 22.5° | 1671.9 | 1645.0 | 1599.0 | 1586.3 | 1576.4 | 1562.9 | 1562.2 | 1561.5 | 1562.9 | 1573.6 |
| 1758.2 | 25°   | 1729.9 | 1697.4 | 1635.8 | 1597.6 | 1564.4 | 1546.0 | 1548.1 | 1548.8 | 1550.2 | 1558.7 |
| 1817.7 | 27.5° | 1792.9 | 1756.8 | 1669.8 | 1594.1 | 1533.9 | 1521.2 | 1517.7 | 1519.8 | 1524.7 | 1538.2 |
| 1877.1 | 30°   | 1855.9 | 1813.4 | 1700.9 | 1579.9 | 1495.7 | 1478.0 | 1466.7 | 1471.7 | 1487.2 | 1500.7 |
| 1928.7 | 32.5° | 1913.2 | 1870.7 | 1725.7 | 1548.8 | 1446.9 | 1419.3 | 1404.5 | 1410.8 | 1426.4 | 1431.3 |
| 1986.0 | 35°   | 1980.4 | 1932.3 | 1736.3 | 1499.3 | 1393.8 | 1351.4 | 1331.6 | 1322.4 | 1330.2 | 1325.2 |
| 2053.3 | 37.5° | 2055.4 | 2005.1 | 1734.9 | 1434.2 | 1331.6 | 1282.8 | 1255.2 | 1220.5 | 1204.2 | 1187.2 |
| 2152.3 | 40°   | 2166.5 | 2094.3 | 1717.9 | 1355.6 | 1254.5 | 1209.9 | 1160.4 | 1101.6 | 1064.8 | 1031.6 |
| 2312.2 | 42.5° | 2317.9 | 2218.1 | 1686.8 | 1269.3 | 1167.4 | 1125.7 | 1058.5 | 989.8  | 931.8  | 876.6  |
| 2554.9 | 45°   | 2543.6 | 2380.1 | 1647.8 | 1177.3 | 1073.3 | 1032.3 | 959.4  | 882.3  | 816.5  | 745.7  |
| 2899.5 | 47.5° | 2869.0 | 2598.1 | 1611.1 | 1072.6 | 974.3  | 936.8  | 871.0  | 799.5  | 721.7  | 653.1  |
| 3397.6 | 50°   | 3316.2 | 2910.8 | 1577.1 | 970.7  | 876.6  | 848.3  | 796.0  | 723.1  | 644.6  | 589.4  |
| 3981.3 | 52.5° | 3885.1 | 3336.0 | 1562.9 | 872.4  | 785.4  | 774.7  | 733.0  | 665.1  | 590.8  | 544.1  |
| 4661.9 | 55°   | 4538.1 | 3844.7 | 1562.9 | 778.3  | 705.4  | 708.9  | 679.9  | 617.0  | 552.6  | 510.8  |
| 5363.8 | 57.5° | 5204.6 | 4359.8 | 1534.6 | 691.3  | 637.5  | 652.3  | 633.9  | 578.8  | 520.7  | 477.6  |
| 6101.8 | 60°   | 5818.8 | 4791.4 | 1420.0 | 612.0  | 577.3  | 600.7  | 588.7  | 541.3  | 470.5  | 434.4  |
| 6718.7 | 62.5° | 6290.7 | 5034.8 | 1199.3 | 549.0  | 527.8  | 554.7  | 548.3  | 491.7  | 461.3  | 446.5  |
| 7225.3 | 65°   | 6527.0 | 4995.2 | 917.0  | 493.2  | 486.1  | 527.8  | 514.4  | 512.3  | 488.2  | 471.2  |
| 7390.2 | 67.5° | 6382.0 | 4654.2 | 665.1  | 452.1  | 462.0  | 503.1  | 554.7  | 563.2  | 518.6  | 485.4  |
| 6926.0 | 70°   | 5745.9 | 4037.2 | 495.3  | 413.2  | 431.6  | 503.8  | 632.5  | 589.4  | 508.7  | 469.8  |
| 5554.8 | 72.5° | 4371.1 | 3010.6 | 384.2  | 372.2  | 392.0  | 507.3  | 667.2  | 577.3  | 480.4  | 519.3  |
| 3460.5 | 75°   | 2499.7 | 1652.8 | 308.5  | 321.9  | 342.4  | 474.0  | 649.5  | 546.2  | 458.5  | 476.9  |
| 1371.2 | 77.5° | 953.0  | 635.4  | 254.7  | 272.4  | 275.2  | 413.9  | 621.2  | 544.1  | 436.5  | 425.9  |
| 411.1  | 80°   | 330.4  | 248.3  | 210.8  | 216.5  | 213.0  | 367.9  | 595.7  | 473.3  | 357.3  | 319.8  |
| 169.8  | 82.5° | 135.1  | 123.8  | 167.0  | 159.9  | 151.4  | 285.8  | 481.1  | 387.0  | 292.2  | 258.2  |
| 82.1   | 85°   | 58.7   | 78.5   | 110.4  | 96.9   | 87.7   | 198.1  | 385.6  | 327.6  | 246.9  | 213.0  |
| 26.9   | 87.5° | 12.0   | 29.7   | 46.7   | 43.9   | 45.3   | 132.3  | 273.8  | 232.8  | 174.8  | 130.9  |
| 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°   |
|--------|
| 1354.9 |
| 1351.4 |
| 1377.6 |
| 1422.1 |
| 1472.4 |
| 1519.1 |
| 1550.9 |
| 1569.3 |
| 1579.9 |
| 1580.6 |
| 1570.0 |
| 1551.6 |
| 1515.5 |
| 1449.0 |
| 1340.8 |
| 1197.9 |
| 1033.7 |
| 871.7  |
| 737.2  |
| 645.3  |
| 585.8  |
| 540.6  |
| 506.6  |
| 470.5  |
| 428.8  |
| 441.5  |
| 465.6  |
| 479.7  |
| 463.4  |
| 515.1  |
| 476.9  |
| 388.4  |
| 309.2  |
| 255.4  |
| 212.3  |
| 102.6  |
| 0.0    |