

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: P940067

Luminaire Tested: **GLAN-SB2D-950-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-950-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14166 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

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



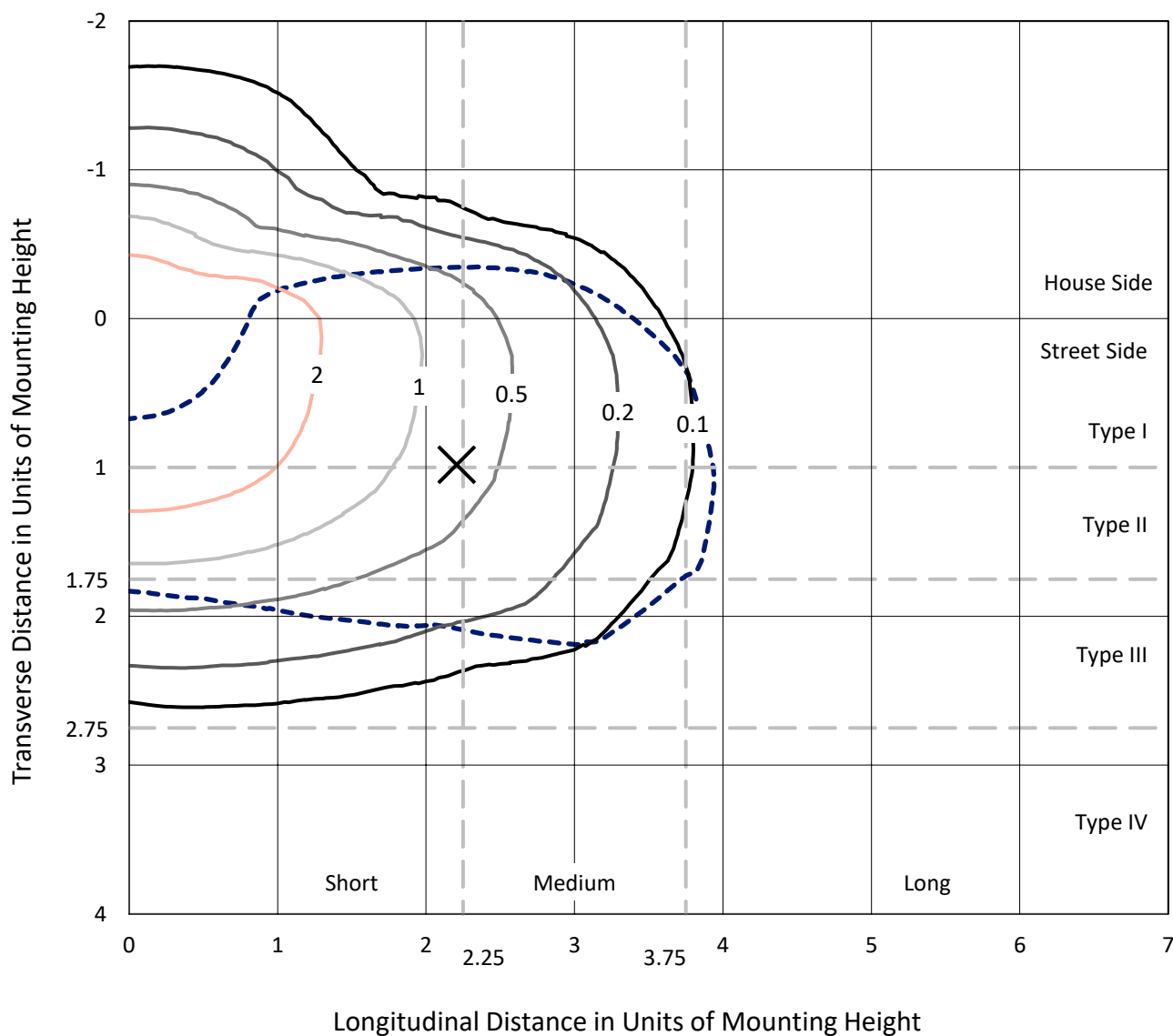
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

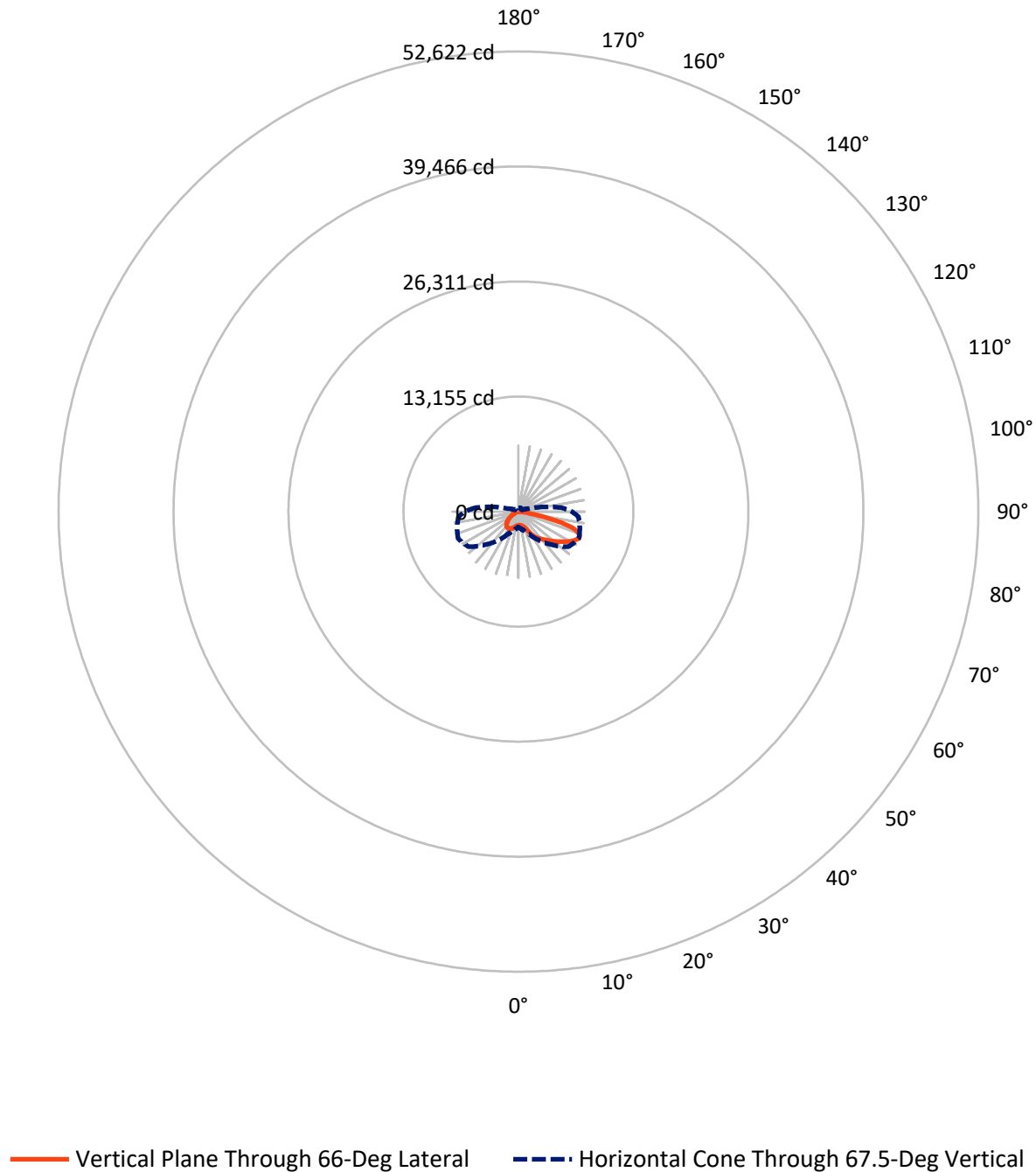


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB2D-950-U-T3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3522.3   | 0.0    | 3522.3  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 10643.7  | 0.0    | 10643.7 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 14166.0  | 0.0    | 14166.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 155.8   | 1.1       |
| 10°-20°   | 514.7   | 3.6       |
| 20°-30°   | 992.0   | 7.0       |
| 30°-40°   | 1739.3  | 12.3      |
| 40°-50°   | 2585.8  | 18.3      |
| 50°-60°   | 3277.8  | 23.1      |
| 60°-70°   | 3207.2  | 22.6      |
| 70°-80°   | 1529.9  | 10.8      |
| 80°-90°   | 163.5   | 1.2       |
| 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°    | 14166.0 | 100.0     |
| 0°-180°   | 14166.0 | 100.0     |

**Coefficient of Utilization**



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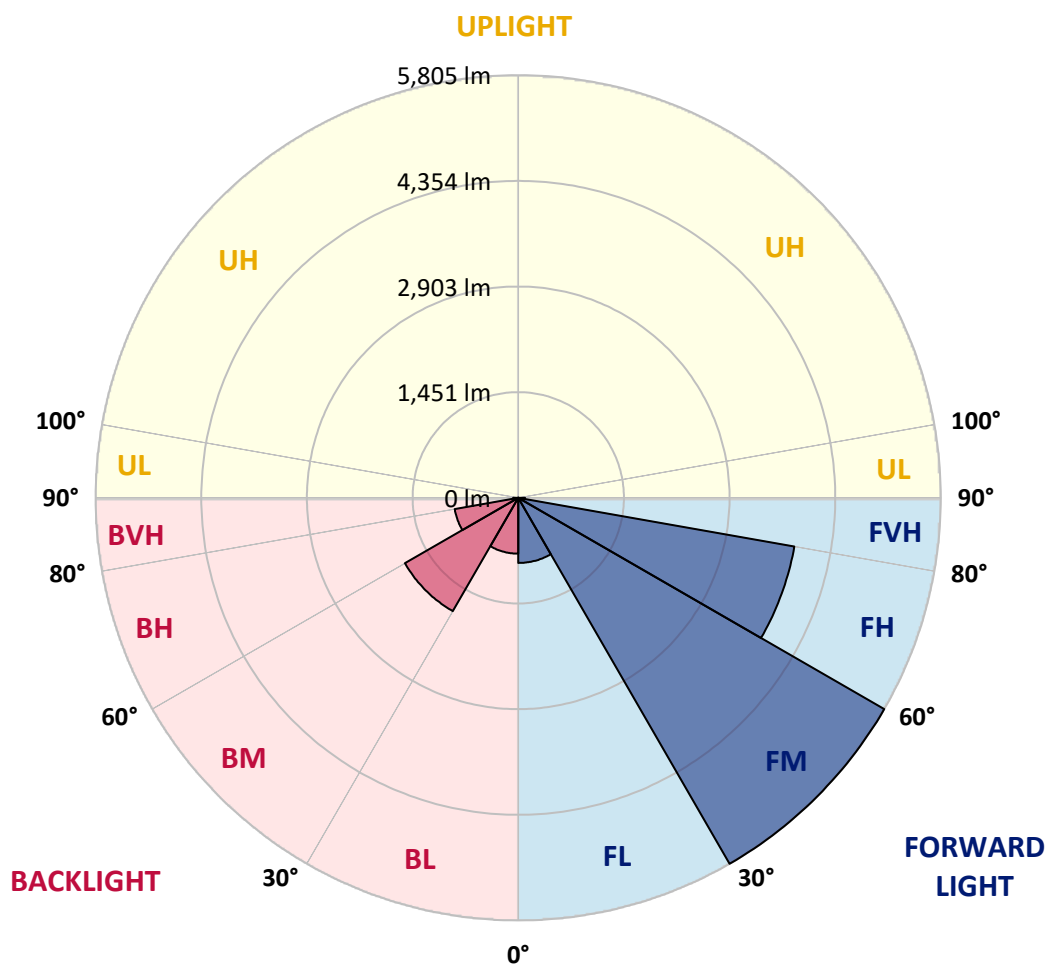
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 895.2  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 5805.1 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 3850.7 | 27.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 92.7   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 767.3  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1797.8 | 12.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 886.4  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 70.8   | 0.5       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 |
| 2.5°  | 1554.8 | 1563.8 | 1561.5 | 1557.8 | 1557.1 | 1558.5 | 1560.8 | 1563.0 | 1562.3 | 1566.0 |
| 5°    | 1550.4 | 1559.3 | 1558.5 | 1558.5 | 1561.5 | 1567.5 | 1571.2 | 1574.9 | 1571.2 | 1575.7 |
| 7.5°  | 1553.3 | 1560.0 | 1563.0 | 1566.0 | 1573.4 | 1584.6 | 1593.5 | 1601.7 | 1597.2 | 1602.5 |
| 10°   | 1591.3 | 1596.5 | 1599.5 | 1599.5 | 1604.7 | 1617.3 | 1626.3 | 1641.2 | 1637.4 | 1645.6 |
| 12.5° | 1660.5 | 1665.7 | 1665.7 | 1662.7 | 1666.5 | 1674.7 | 1677.6 | 1694.0 | 1687.3 | 1700.7 |
| 15°   | 1745.4 | 1755.8 | 1747.6 | 1742.4 | 1743.9 | 1752.1 | 1751.3 | 1764.0 | 1757.3 | 1768.4 |
| 17.5° | 1839.1 | 1852.5 | 1839.1 | 1838.4 | 1835.4 | 1844.4 | 1845.1 | 1856.3 | 1844.4 | 1852.5 |
| 20°   | 1950.0 | 1968.6 | 1957.5 | 1961.2 | 1954.5 | 1958.2 | 1961.9 | 1978.3 | 1959.7 | 1965.7 |
| 22.5° | 2106.3 | 2128.7 | 2116.8 | 2130.9 | 2126.4 | 2123.5 | 2122.7 | 2151.7 | 2122.7 | 2124.9 |
| 25°   | 2334.1 | 2360.9 | 2340.0 | 2359.4 | 2359.4 | 2369.1 | 2380.2 | 2417.5 | 2369.1 | 2354.9 |
| 27.5° | 2670.5 | 2697.3 | 2656.4 | 2668.3 | 2664.6 | 2688.4 | 2676.5 | 2768.8 | 2716.7 | 2693.6 |
| 30°   | 3075.4 | 3123.0 | 3045.6 | 3042.7 | 3038.9 | 3076.9 | 3094.0 | 3155.0 | 3102.2 | 3079.1 |
| 32.5° | 3513.0 | 3562.9 | 3470.6 | 3443.8 | 3429.7 | 3452.8 | 3438.6 | 3487.7 | 3451.3 | 3415.5 |
| 35°   | 3976.0 | 4025.1 | 3937.3 | 3885.2 | 3828.6 | 3780.2 | 3729.6 | 3742.3 | 3708.1 | 3653.7 |
| 37.5° | 4413.6 | 4503.7 | 4410.7 | 4354.8 | 4250.6 | 4156.1 | 4014.7 | 3955.9 | 3923.9 | 3874.0 |
| 40°   | 4859.5 | 4910.8 | 4840.1 | 4792.5 | 4679.4 | 4531.2 | 4305.0 | 4180.7 | 4137.5 | 4089.1 |
| 42.5° | 5187.7 | 5236.8 | 5198.9 | 5166.1 | 5077.5 | 4905.6 | 4613.1 | 4457.6 | 4395.0 | 4340.7 |
| 45°   | 5448.2 | 5484.7 | 5460.9 | 5472.8 | 5434.8 | 5268.1 | 4932.4 | 4754.5 | 4689.8 | 4623.5 |
| 47.5° | 5553.1 | 5591.9 | 5629.8 | 5700.5 | 5765.3 | 5642.5 | 5275.5 | 5076.1 | 5007.6 | 4939.9 |
| 50°   | 5541.2 | 5580.7 | 5690.8 | 5841.2 | 6042.1 | 6001.2 | 5637.3 | 5418.4 | 5355.2 | 5277.8 |
| 52.5° | 5446.0 | 5490.6 | 5632.0 | 5882.1 | 6202.2 | 6269.9 | 6005.7 | 5772.0 | 5712.4 | 5620.1 |
| 55°   | 5195.9 | 5222.7 | 5434.8 | 5789.1 | 6240.1 | 6457.5 | 6366.7 | 6148.6 | 6089.0 | 5960.3 |
| 57.5° | 4732.2 | 4770.9 | 5079.8 | 5538.3 | 6144.9 | 6584.7 | 6683.7 | 6544.5 | 6487.2 | 6301.9 |
| 60°   | 4127.1 | 4188.9 | 4542.4 | 5117.0 | 5902.2 | 6584.0 | 6971.8 | 6933.8 | 6886.2 | 6638.3 |
| 62.5° | 3442.3 | 3513.8 | 3853.9 | 4521.6 | 5478.0 | 6397.2 | 7151.9 | 7259.8 | 7235.2 | 6948.7 |
| 65°   | 2643.7 | 2692.8 | 3031.5 | 3751.2 | 4817.8 | 5996.0 | 7172.7 | 7482.3 | 7486.8 | 7184.6 |
| 67.5° | 1760.2 | 1901.7 | 2195.7 | 2814.9 | 3933.6 | 5340.3 | 6989.6 | 7518.8 | 7562.0 | 7265.8 |
| 70°   | 858.9  | 1045.0 | 1333.0 | 1829.5 | 2814.9 | 4334.7 | 6511.1 | 7219.6 | 7315.6 | 7029.1 |
| 72.5° | 356.5  | 416.8  | 573.8  | 902.8  | 1615.9 | 2925.1 | 5549.4 | 6408.3 | 6586.2 | 6228.2 |
| 75°   | 240.4  | 260.5  | 328.2  | 462.9  | 736.1  | 1442.4 | 4002.0 | 4778.3 | 5064.9 | 4703.9 |
| 77.5° | 185.3  | 198.0  | 238.9  | 323.8  | 437.6  | 545.6  | 2142.1 | 2879.7 | 3027.8 | 2803.0 |
| 80°   | 145.9  | 155.6  | 178.6  | 235.9  | 310.4  | 291.8  | 730.1  | 1304.7 | 1390.3 | 1166.3 |
| 82.5° | 126.5  | 130.3  | 128.0  | 160.0  | 206.2  | 170.4  | 239.7  | 481.6  | 531.4  | 385.5  |
| 85°   | 91.5   | 102.0  | 106.4  | 99.0   | 109.4  | 86.3   | 98.2   | 170.4  | 187.6  | 167.5  |
| 87.5° | 37.2   | 55.1   | 67.7   | 64.0   | 40.2   | 24.6   | 30.5   | 49.9   | 57.3   | 62.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1571.2 | 0°    | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 | 1571.2 |
| 1571.9 | 2.5°  | 1572.7 | 1577.9 | 1581.6 | 1586.1 | 1589.1 | 1593.5 | 1602.5 | 1607.7 | 1608.4 | 1612.1 |
| 1583.8 | 5°    | 1586.8 | 1594.3 | 1602.5 | 1614.4 | 1627.8 | 1638.9 | 1656.0 | 1668.0 | 1672.4 | 1676.1 |
| 1612.9 | 7.5°  | 1617.3 | 1627.8 | 1642.6 | 1663.5 | 1682.8 | 1697.7 | 1718.6 | 1732.7 | 1746.8 | 1752.1 |
| 1659.0 | 10°   | 1662.7 | 1677.6 | 1699.2 | 1727.5 | 1748.3 | 1767.7 | 1789.3 | 1801.2 | 1815.3 | 1821.3 |
| 1714.1 | 12.5° | 1719.3 | 1734.9 | 1763.2 | 1802.7 | 1822.0 | 1835.4 | 1842.9 | 1839.9 | 1842.9 | 1848.1 |
| 1780.3 | 15°   | 1784.1 | 1801.2 | 1833.2 | 1875.6 | 1889.0 | 1877.1 | 1860.7 | 1845.8 | 1843.6 | 1845.1 |
| 1860.7 | 17.5° | 1860.7 | 1873.4 | 1910.6 | 1946.3 | 1936.6 | 1887.5 | 1851.8 | 1828.0 | 1816.1 | 1812.3 |
| 1963.4 | 20°   | 1967.9 | 1967.9 | 1998.4 | 2020.7 | 1956.0 | 1872.6 | 1816.8 | 1778.1 | 1753.5 | 1743.1 |
| 2103.4 | 22.5° | 2098.2 | 2086.2 | 2105.6 | 2090.0 | 1952.3 | 1831.0 | 1753.5 | 1686.6 | 1649.3 | 1634.5 |
| 2299.1 | 25°   | 2263.4 | 2249.2 | 2244.0 | 2147.3 | 1925.5 | 1764.7 | 1638.9 | 1557.8 | 1525.1 | 1516.9 |
| 2581.2 | 27.5° | 2512.7 | 2477.0 | 2409.3 | 2178.5 | 1876.4 | 1660.5 | 1505.0 | 1429.8 | 1411.2 | 1411.9 |
| 2943.7 | 30°   | 2844.7 | 2773.2 | 2607.2 | 2183.7 | 1796.0 | 1513.1 | 1368.0 | 1314.4 | 1305.5 | 1309.2 |
| 3248.1 | 32.5° | 3152.1 | 3084.3 | 2809.7 | 2159.9 | 1672.4 | 1368.7 | 1245.2 | 1209.5 | 1196.1 | 1200.5 |
| 3480.3 | 35°   | 3393.2 | 3374.6 | 2997.3 | 2126.4 | 1520.6 | 1233.3 | 1135.0 | 1104.5 | 1078.5 | 1072.5 |
| 3699.1 | 37.5° | 3621.0 | 3613.5 | 3137.9 | 2079.5 | 1370.2 | 1137.3 | 1046.5 | 1006.3 | 968.3  | 947.5  |
| 3941.0 | 40°   | 3871.1 | 3863.6 | 3230.2 | 2007.4 | 1237.0 | 1053.9 | 966.8  | 914.0  | 867.1  | 829.1  |
| 4214.9 | 42.5° | 4152.4 | 4108.5 | 3274.1 | 1903.9 | 1123.9 | 983.2  | 902.1  | 830.6  | 768.9  | 733.9  |
| 4524.5 | 45°   | 4459.8 | 4360.8 | 3273.4 | 1772.2 | 1028.6 | 918.5  | 832.9  | 731.6  | 674.3  | 641.6  |
| 4842.4 | 47.5° | 4785.8 | 4601.9 | 3233.2 | 1626.3 | 936.3  | 847.0  | 725.7  | 648.3  | 610.3  | 590.2  |
| 5187.7 | 50°   | 5122.2 | 4827.5 | 3164.7 | 1458.8 | 841.8  | 765.9  | 658.7  | 605.9  | 576.8  | 558.2  |
| 5530.1 | 52.5° | 5438.5 | 5032.1 | 3082.1 | 1269.0 | 745.8  | 687.0  | 628.9  | 588.0  | 557.5  | 536.6  |
| 5862.0 | 55°   | 5732.5 | 5208.5 | 2965.3 | 1074.8 | 667.6  | 634.1  | 614.8  | 580.5  | 545.6  | 521.0  |
| 6199.2 | 57.5° | 5993.8 | 5323.2 | 2763.5 | 892.4  | 611.8  | 597.7  | 599.9  | 567.9  | 527.7  | 506.9  |
| 6531.1 | 60°   | 6211.1 | 5407.3 | 2465.1 | 723.5  | 566.4  | 561.9  | 576.8  | 544.1  | 497.2  | 473.4  |
| 6811.7 | 62.5° | 6341.4 | 5405.8 | 2098.9 | 592.5  | 527.7  | 529.2  | 546.3  | 514.3  | 466.7  | 444.3  |
| 6958.4 | 65°   | 6330.2 | 5273.3 | 1697.0 | 506.9  | 490.5  | 492.0  | 514.3  | 481.6  | 441.4  | 428.0  |
| 6884.7 | 67.5° | 6106.2 | 4950.3 | 1301.8 | 451.0  | 449.6  | 456.2  | 482.3  | 459.2  | 425.7  | 424.2  |
| 6445.6 | 70°   | 5499.6 | 4279.7 | 937.8  | 406.4  | 407.1  | 416.8  | 451.0  | 445.1  | 417.5  | 420.5  |
| 5419.2 | 72.5° | 4409.9 | 3263.0 | 629.7  | 359.5  | 360.2  | 375.9  | 421.3  | 433.9  | 409.4  | 448.8  |
| 3845.0 | 75°   | 2937.0 | 2034.9 | 404.9  | 309.6  | 310.4  | 330.5  | 395.2  | 412.3  | 387.0  | 447.3  |
| 2000.7 | 77.5° | 1411.2 | 914.7  | 293.3  | 260.5  | 260.5  | 279.1  | 341.6  | 369.2  | 329.7  | 347.6  |
| 643.1  | 80°   | 487.5  | 343.9  | 230.7  | 209.9  | 205.4  | 218.1  | 288.0  | 320.0  | 284.3  | 262.0  |
| 209.9  | 82.5° | 192.0  | 178.6  | 185.3  | 163.0  | 148.1  | 156.3  | 224.0  | 264.2  | 209.1  | 189.0  |
| 118.3  | 85°   | 110.2  | 116.1  | 131.0  | 107.9  | 85.6   | 96.0   | 164.5  | 189.8  | 157.8  | 139.2  |
| 38.7   | 87.5° | 29.8   | 40.9   | 60.3   | 55.8   | 38.7   | 40.9   | 78.2   | 104.9  | 90.8   | 70.0   |
| 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°   |
|--------|
| 1571.2 |
| 1611.4 |
| 1675.4 |
| 1752.8 |
| 1824.3 |
| 1849.6 |
| 1850.3 |
| 1817.6 |
| 1740.9 |
| 1632.2 |
| 1518.4 |
| 1414.2 |
| 1321.9 |
| 1206.5 |
| 1077.0 |
| 948.2  |
| 832.9  |
| 736.1  |
| 640.1  |
| 585.8  |
| 551.5  |
| 527.7  |
| 511.3  |
| 493.5  |
| 462.9  |
| 437.6  |
| 427.2  |
| 426.5  |
| 419.8  |
| 454.8  |
| 451.0  |
| 318.6  |
| 245.6  |
| 188.3  |
| 142.2  |
| 72.2   |
| 0.0    |