

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: P941088

Luminaire Tested: **GLAN-SB4B-950-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11887 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 147  
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



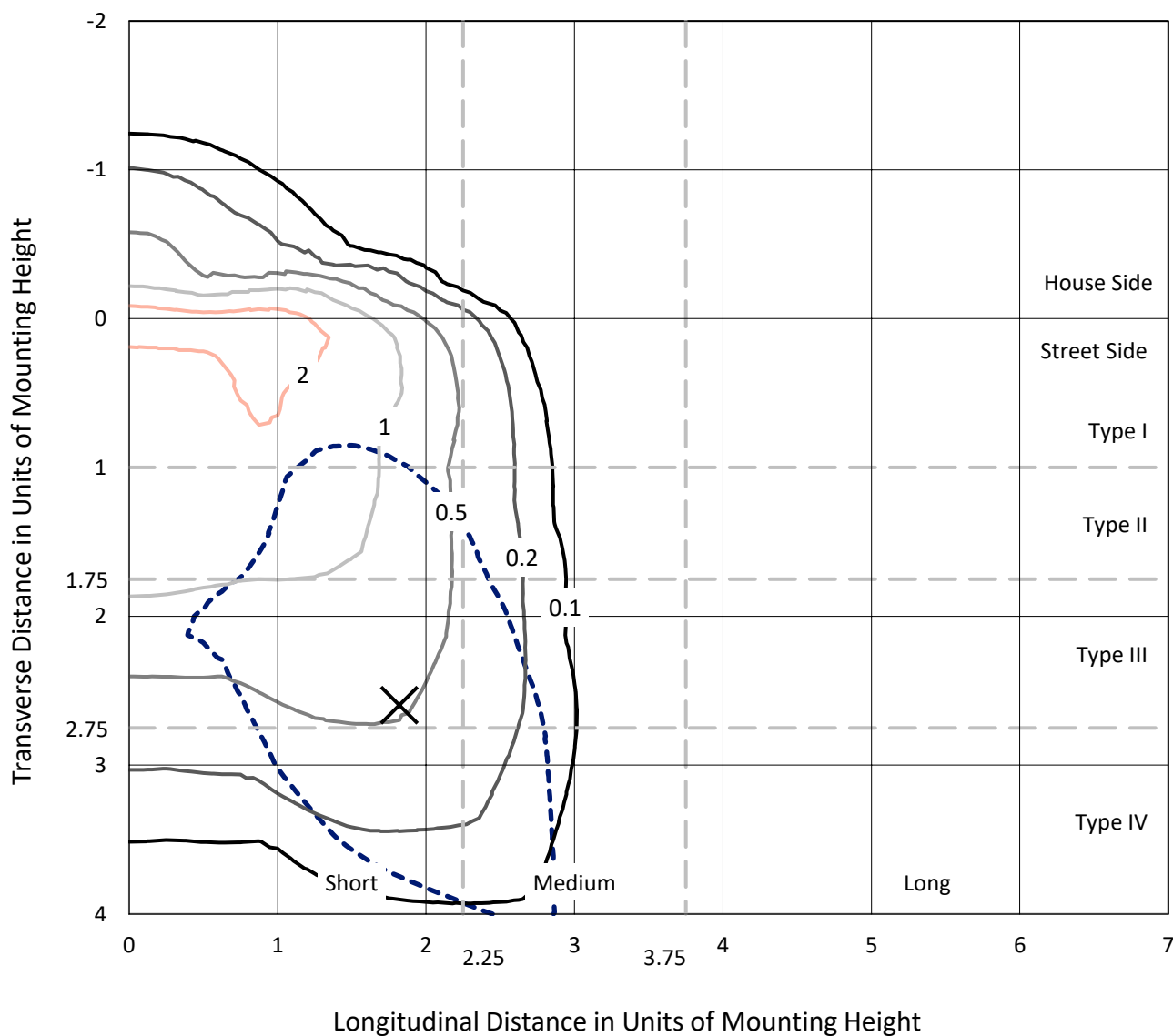
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

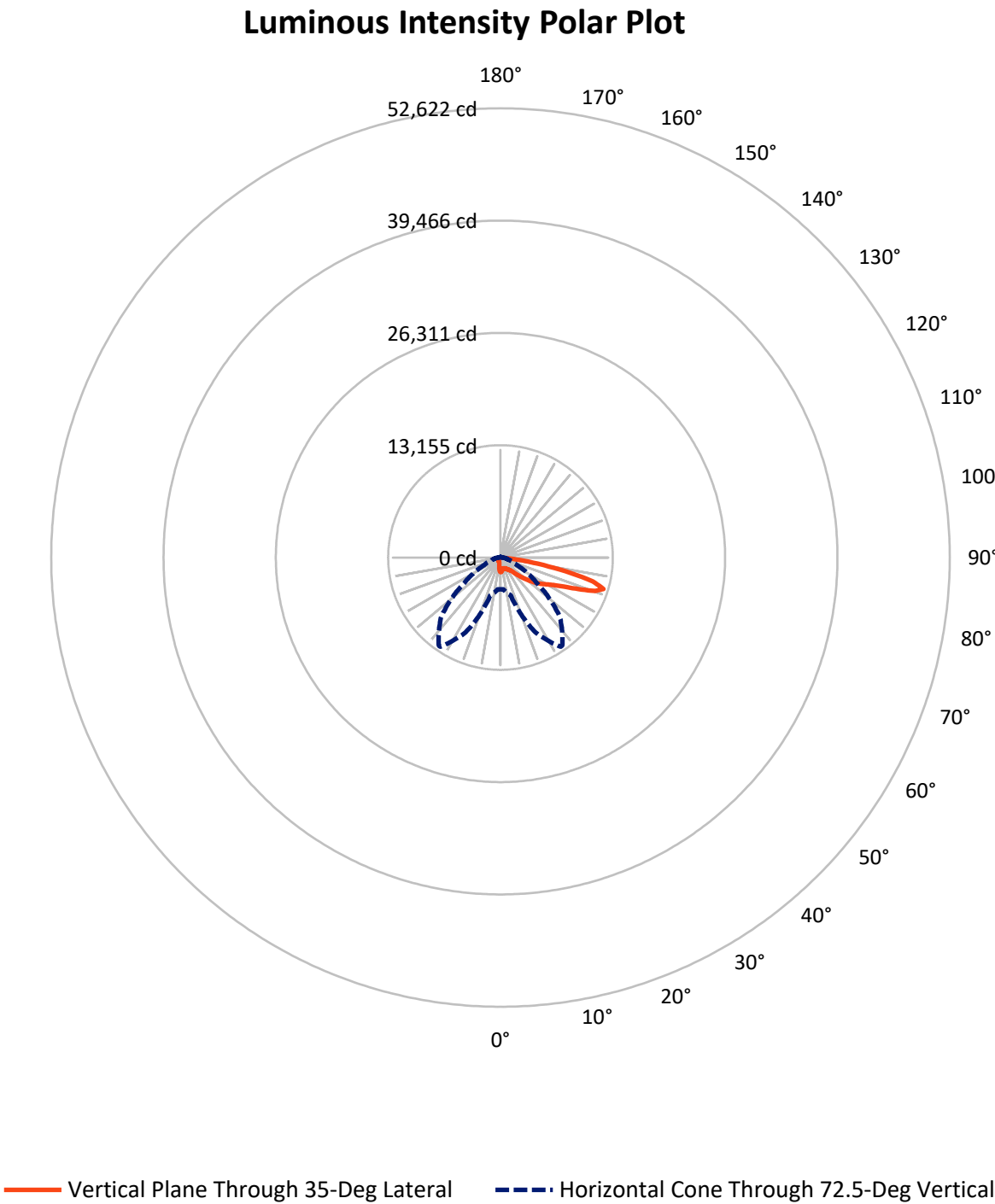
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1337.8   | 0.0    | 1337.8  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 10549.2  | 0.0    | 10549.2 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 11887.0  | 0.0    | 11887.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 141.6   | 1.2       |
| 10°-20°   | 331.2   | 2.8       |
| 20°-30°   | 538.0   | 4.5       |
| 30°-40°   | 897.7   | 7.6       |
| 40°-50°   | 1698.4  | 14.3      |
| 50°-60°   | 2698.7  | 22.7      |
| 60°-70°   | 3338.5  | 28.1      |
| 70°-80°   | 2075.2  | 17.5      |
| 80°-90°   | 167.7   | 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°    | 11887.0 | 100.0     |
| 0°-180°   | 11887.0 | 100.0     |

**Coefficient of Utilization**



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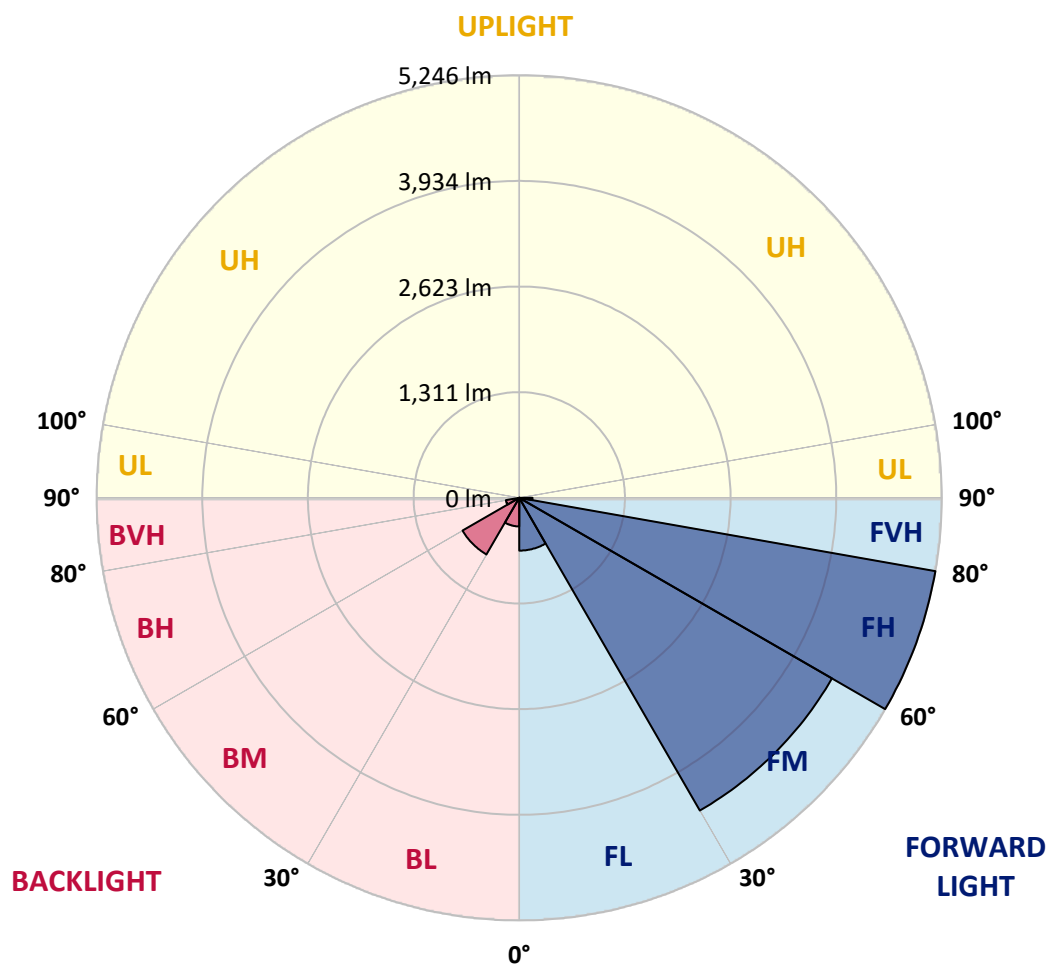
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 655.3  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 4482.6 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 5245.9 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 165.4  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 355.5  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 812.2  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 167.9  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°     | 35°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| 0°    | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8  | 1722.8  | 1722.8  | 1722.8 | 1722.8 | 1722.8 |
| 2.5°  | 1646.2 | 1660.1 | 1662.7 | 1667.1 | 1667.1  | 1672.3  | 1681.0  | 1693.2 | 1713.2 | 1723.7 |
| 5°    | 1517.3 | 1527.7 | 1540.8 | 1551.2 | 1571.3  | 1573.9  | 1607.9  | 1641.0 | 1687.1 | 1722.0 |
| 7.5°  | 1387.5 | 1399.7 | 1417.1 | 1442.4 | 1468.5  | 1476.3  | 1527.7  | 1583.5 | 1656.6 | 1722.0 |
| 10°   | 1296.0 | 1296.9 | 1312.6 | 1337.8 | 1379.7  | 1389.2  | 1451.9  | 1531.2 | 1622.7 | 1711.5 |
| 12.5° | 1244.6 | 1250.7 | 1257.7 | 1276.9 | 1316.9  | 1323.0  | 1390.1  | 1483.3 | 1588.7 | 1705.4 |
| 15°   | 1244.6 | 1249.0 | 1253.4 | 1262.9 | 1295.2  | 1300.4  | 1359.6  | 1452.8 | 1571.3 | 1708.0 |
| 17.5° | 1257.7 | 1264.7 | 1261.2 | 1272.5 | 1306.5  | 1310.0  | 1362.2  | 1444.1 | 1570.4 | 1724.6 |
| 20°   | 1289.1 | 1294.3 | 1287.3 | 1294.3 | 1328.3  | 1335.2  | 1389.2  | 1460.7 | 1585.2 | 1753.3 |
| 22.5° | 1338.7 | 1341.3 | 1324.8 | 1330.0 | 1364.8  | 1373.6  | 1436.3  | 1507.7 | 1620.9 | 1799.5 |
| 25°   | 1401.4 | 1406.7 | 1381.4 | 1387.5 | 1420.6  | 1431.0  | 1503.3  | 1578.2 | 1677.5 | 1863.1 |
| 27.5° | 1473.7 | 1476.3 | 1454.6 | 1453.7 | 1496.4  | 1511.2  | 1584.3  | 1665.3 | 1753.3 | 1943.2 |
| 30°   | 1556.5 | 1564.3 | 1543.4 | 1539.9 | 1593.9  | 1606.1  | 1678.4  | 1772.5 | 1864.8 | 2063.4 |
| 32.5° | 1621.8 | 1627.9 | 1615.7 | 1624.4 | 1679.3  | 1688.9  | 1792.5  | 1924.0 | 2039.9 | 2234.1 |
| 35°   | 1715.9 | 1719.3 | 1691.5 | 1707.1 | 1769.9  | 1794.2  | 1948.4  | 2136.5 | 2260.2 | 2448.4 |
| 37.5° | 2056.4 | 2056.4 | 1938.0 | 1860.4 | 1920.5  | 1942.3  | 2161.8  | 2403.9 | 2532.0 | 2735.8 |
| 40°   | 2527.6 | 2519.8 | 2346.5 | 2187.9 | 2180.1  | 2222.8  | 2465.8  | 2741.0 | 2883.0 | 3080.7 |
| 42.5° | 3030.2 | 3018.0 | 2782.0 | 2625.2 | 2599.0  | 2613.9  | 2816.8  | 3156.5 | 3301.1 | 3501.4 |
| 45°   | 3476.1 | 3472.7 | 3256.6 | 3045.9 | 2998.8  | 3045.9  | 3254.9  | 3642.5 | 3746.1 | 3956.9 |
| 47.5° | 3849.8 | 3849.8 | 3692.1 | 3554.5 | 3530.1  | 3558.0  | 3848.0  | 4181.6 | 4172.1 | 4442.1 |
| 50°   | 4280.1 | 4276.6 | 4126.8 | 4067.5 | 4092.8  | 4132.0  | 4530.9  | 4749.5 | 4612.8 | 4918.5 |
| 52.5° | 4581.4 | 4602.3 | 4550.9 | 4541.4 | 4670.3  | 4738.2  | 5224.2  | 5305.2 | 5007.3 | 5370.5 |
| 55°   | 4820.1 | 4844.5 | 4903.7 | 4970.8 | 5219.0  | 5307.8  | 5895.8  | 5832.2 | 5337.4 | 5762.5 |
| 57.5° | 5158.0 | 5123.2 | 5214.6 | 5347.0 | 5748.6  | 5855.7  | 6546.4  | 6329.5 | 5603.1 | 6080.4 |
| 60°   | 5568.3 | 5573.5 | 5589.2 | 5756.4 | 6277.2  | 6414.9  | 7187.4  | 6799.8 | 5773.8 | 6275.5 |
| 62.5° | 6061.2 | 6069.1 | 6101.3 | 6358.3 | 6987.1  | 7116.9  | 7870.3  | 7184.8 | 5852.2 | 6220.6 |
| 65°   | 6027.3 | 6060.4 | 6420.1 | 7298.9 | 8066.3  | 8194.3  | 8667.3  | 7454.8 | 5733.7 | 5718.9 |
| 67.5° | 5490.7 | 5544.7 | 6146.6 | 8422.5 | 9693.3  | 9836.1  | 9630.6  | 7508.0 | 5222.5 | 4447.3 |
| 70°   | 4787.0 | 4806.1 | 5529.9 | 9432.9 | 11577.2 | 11721.8 | 10492.9 | 6923.5 | 3963.0 | 2480.6 |
| 72.5° | 3738.3 | 3742.7 | 4591.9 | 9667.2 | 12599.8 | 12607.6 | 9816.1  | 5139.7 | 2131.3 | 952.9  |
| 75°   | 2670.5 | 2644.3 | 3075.5 | 7839.8 | 11085.1 | 11174.0 | 7359.0  | 2410.9 | 814.4  | 450.3  |
| 77.5° | 1431.9 | 1460.7 | 1740.2 | 4649.4 | 7657.8  | 7809.3  | 4015.3  | 695.1  | 414.6  | 306.6  |
| 80°   | 442.5  | 466.9  | 713.3  | 2128.7 | 4337.5  | 4429.0  | 1488.5  | 309.2  | 289.2  | 218.6  |
| 82.5° | 139.4  | 144.6  | 332.7  | 894.5  | 1800.3  | 1842.2  | 431.1   | 175.1  | 197.7  | 144.6  |
| 85°   | 40.1   | 40.9   | 148.1  | 333.6  | 445.1   | 453.8   | 121.1   | 67.9   | 113.2  | 89.7   |
| 87.5° | 4.4    | 13.9   | 55.7   | 55.7   | 39.2    | 38.3    | 13.1    | 14.8   | 32.2   | 11.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1722.8 | 0°    | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 | 1722.8 |
| 1730.7 | 2.5°  | 1726.3 | 1727.2 | 1715.9 | 1696.7 | 1675.8 | 1658.4 | 1636.6 | 1619.2 | 1607.0 | 1603.5 |
| 1746.3 | 5°    | 1738.5 | 1732.4 | 1700.2 | 1641.8 | 1572.1 | 1512.0 | 1445.0 | 1391.8 | 1357.0 | 1342.2 |
| 1762.9 | 7.5°  | 1756.8 | 1739.4 | 1668.8 | 1553.9 | 1420.6 | 1302.1 | 1181.9 | 1088.7 | 1029.5 | 999.9  |
| 1778.6 | 10°   | 1772.5 | 1737.6 | 1616.6 | 1426.7 | 1222.9 | 1043.5 | 881.4  | 769.1  | 706.4  | 676.8  |
| 1796.9 | 12.5° | 1787.3 | 1736.8 | 1548.6 | 1276.0 | 999.9  | 780.4  | 629.7  | 574.0  | 556.6  | 550.5  |
| 1826.5 | 15°   | 1815.2 | 1739.4 | 1463.3 | 1103.5 | 777.8  | 589.7  | 534.8  | 533.9  | 537.4  | 535.7  |
| 1871.8 | 17.5° | 1853.5 | 1742.0 | 1366.6 | 920.6  | 600.1  | 520.0  | 517.4  | 525.2  | 530.4  | 527.8  |
| 1928.4 | 20°   | 1903.1 | 1752.4 | 1263.8 | 739.5  | 515.6  | 502.6  | 508.7  | 515.6  | 520.0  | 515.6  |
| 2004.2 | 22.5° | 1972.8 | 1770.7 | 1151.5 | 594.0  | 488.6  | 492.1  | 497.3  | 505.2  | 509.5  | 503.4  |
| 2100.8 | 25°   | 2058.2 | 1799.5 | 1040.8 | 516.5  | 475.6  | 479.9  | 487.8  | 496.5  | 501.7  | 495.6  |
| 2222.8 | 27.5° | 2168.8 | 1845.6 | 938.9  | 499.1  | 462.5  | 465.1  | 476.4  | 489.5  | 496.5  | 488.6  |
| 2396.1 | 30°   | 2329.0 | 1921.4 | 851.0  | 506.9  | 454.7  | 448.6  | 464.2  | 482.5  | 490.4  | 483.4  |
| 2632.1 | 32.5° | 2541.6 | 2028.5 | 797.0  | 519.1  | 451.2  | 429.4  | 444.2  | 467.7  | 480.8  | 476.4  |
| 2940.5 | 35°   | 2820.3 | 2191.4 | 776.1  | 533.0  | 448.6  | 409.4  | 419.8  | 445.1  | 467.7  | 472.1  |
| 3328.9 | 37.5° | 3158.2 | 2417.9 | 782.2  | 539.1  | 440.7  | 392.8  | 398.0  | 419.8  | 449.4  | 463.4  |
| 3766.2 | 40°   | 3542.3 | 2681.8 | 817.0  | 533.0  | 432.0  | 378.9  | 379.8  | 396.3  | 422.4  | 443.3  |
| 4236.5 | 42.5° | 3938.6 | 2990.1 | 881.4  | 510.4  | 424.2  | 366.7  | 364.1  | 375.4  | 392.8  | 407.6  |
| 4706.0 | 45°   | 4315.8 | 3307.2 | 945.0  | 479.0  | 414.6  | 354.5  | 348.4  | 352.8  | 356.2  | 362.3  |
| 5163.2 | 47.5° | 4645.0 | 3530.1 | 926.7  | 450.3  | 401.5  | 340.6  | 330.1  | 328.4  | 317.9  | 317.0  |
| 5571.7 | 50°   | 4872.3 | 3578.9 | 823.1  | 421.6  | 382.4  | 324.9  | 308.3  | 297.9  | 279.6  | 270.9  |
| 5877.5 | 52.5° | 4944.6 | 3386.4 | 672.4  | 392.8  | 351.0  | 304.0  | 280.5  | 263.9  | 241.3  | 233.4  |
| 6053.4 | 55°   | 4848.8 | 3009.3 | 537.4  | 358.0  | 307.5  | 276.1  | 250.0  | 228.2  | 209.9  | 200.3  |
| 6072.6 | 57.5° | 4614.5 | 2529.4 | 425.0  | 317.0  | 261.3  | 244.7  | 218.6  | 196.8  | 181.2  | 171.6  |
| 5860.0 | 60°   | 4226.1 | 2008.5 | 336.2  | 268.3  | 223.0  | 210.8  | 183.8  | 169.8  | 155.9  | 144.6  |
| 5311.3 | 62.5° | 3636.4 | 1433.7 | 263.9  | 212.5  | 186.4  | 172.5  | 156.8  | 146.3  | 129.8  | 114.1  |
| 4324.5 | 65°   | 2837.7 | 877.1  | 203.8  | 155.9  | 149.8  | 142.8  | 133.3  | 123.7  | 103.6  | 88.0   |
| 2821.1 | 67.5° | 1789.9 | 415.5  | 145.5  | 117.6  | 118.5  | 115.0  | 110.6  | 102.8  | 88.0   | 74.0   |
| 1263.8 | 70°   | 788.2  | 201.2  | 95.8   | 89.7   | 88.0   | 88.0   | 91.5   | 88.8   | 74.9   | 61.8   |
| 439.0  | 72.5° | 268.3  | 108.0  | 71.4   | 67.9   | 63.6   | 62.7   | 76.6   | 74.0   | 60.1   | 47.9   |
| 218.6  | 75°   | 140.2  | 72.3   | 52.3   | 48.8   | 38.3   | 46.2   | 61.0   | 57.5   | 42.7   | 31.4   |
| 144.6  | 77.5° | 91.5   | 51.4   | 35.7   | 31.4   | 21.8   | 30.5   | 45.3   | 40.1   | 25.3   | 15.7   |
| 94.9   | 80°   | 57.5   | 34.0   | 20.9   | 14.8   | 10.5   | 16.5   | 24.4   | 17.4   | 9.6    | 3.5    |
| 55.7   | 82.5° | 30.5   | 17.4   | 7.8    | 5.2    | 4.4    | 5.2    | 6.1    | 4.4    | 1.7    | 0.0    |
| 28.7   | 85°   | 12.2   | 6.1    | 2.6    | 1.7    | 0.9    | 0.0    | 1.7    | 0.9    | 0.0    | 0.0    |
| 5.2    | 87.5° | 4.4    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 1722.8 |
| 1609.6 |
| 1347.4 |
| 1004.3 |
| 677.6  |
| 548.7  |
| 534.8  |
| 527.0  |
| 514.8  |
| 502.6  |
| 494.7  |
| 488.6  |
| 482.5  |
| 476.4  |
| 472.1  |
| 466.9  |
| 450.3  |
| 413.7  |
| 365.8  |
| 316.2  |
| 271.7  |
| 232.6  |
| 200.3  |
| 169.8  |
| 142.0  |
| 111.5  |
| 85.4   |
| 72.3   |
| 59.2   |
| 45.3   |
| 28.7   |
| 13.9   |
| 2.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |