

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: P941578

Luminaire Tested: **GLAN-SB5A-935-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941578  
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-SB5A-935-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 350mA 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: 11935 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 141.7  
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



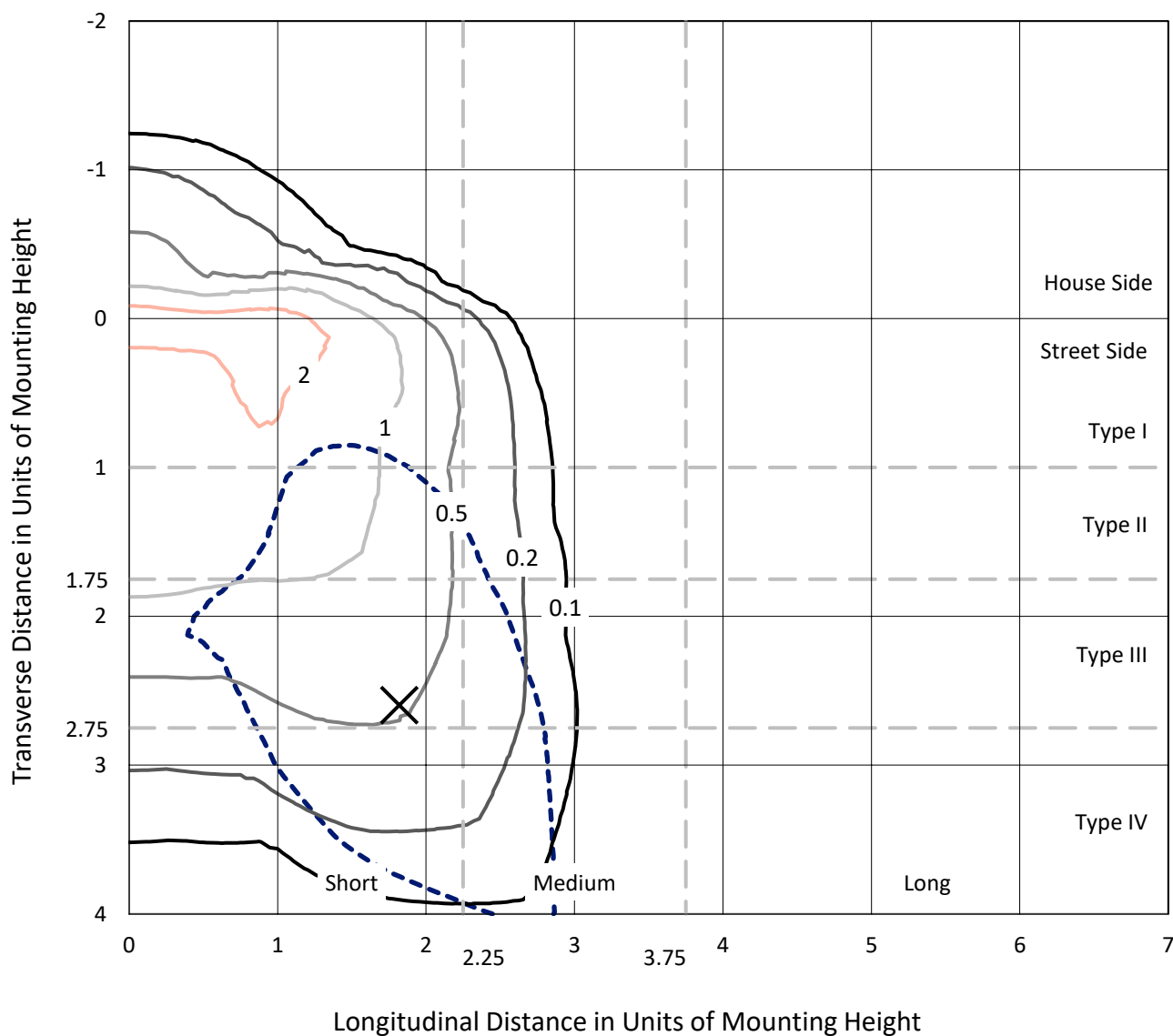
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

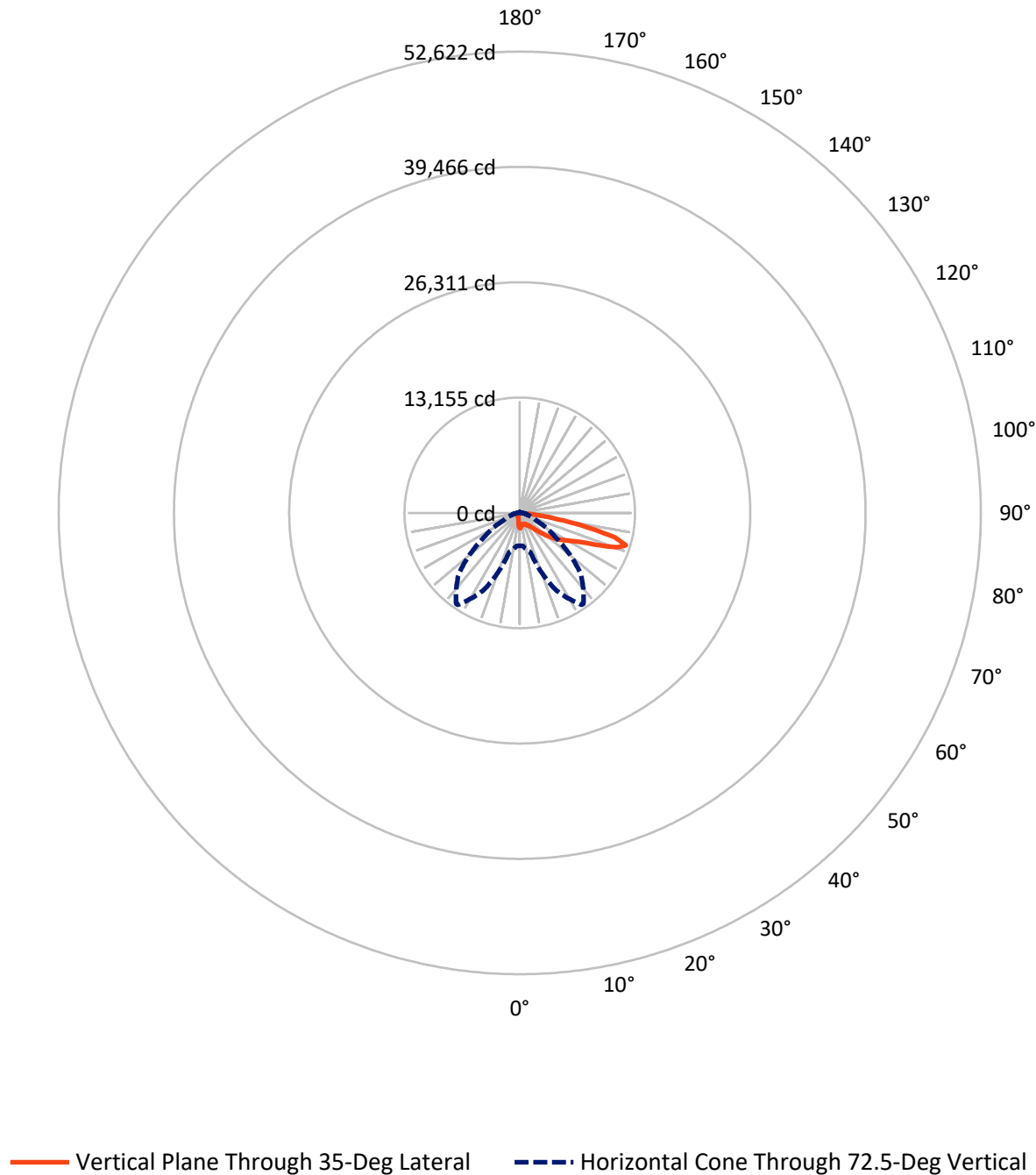


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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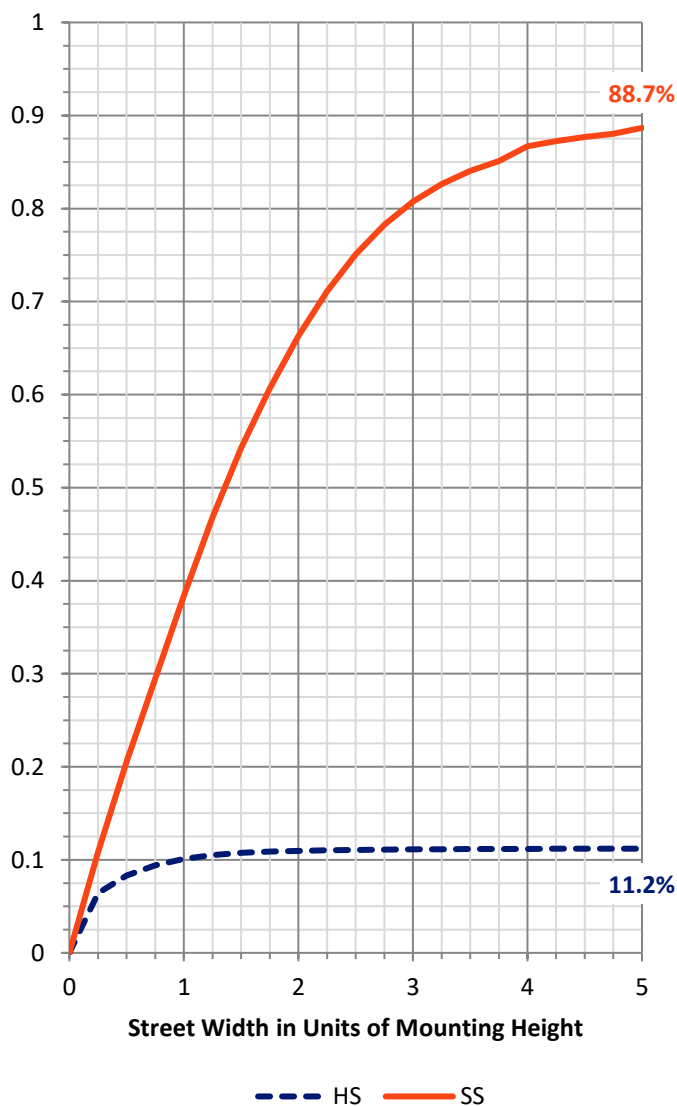
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1343.2   | 0.0    | 1343.2  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 10591.8  | 0.0    | 10591.8 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 11935.0  | 0.0    | 11935.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 142.1   | 1.2       |
| 10°-20°   | 332.5   | 2.8       |
| 20°-30°   | 540.2   | 4.5       |
| 30°-40°   | 901.3   | 7.6       |
| 40°-50°   | 1705.2  | 14.3      |
| 50°-60°   | 2709.6  | 22.7      |
| 60°-70°   | 3352.0  | 28.1      |
| 70°-80°   | 2083.6  | 17.5      |
| 80°-90°   | 168.4   | 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°    | 11935.0 | 100.0     |
| 0°-180°   | 11935.0 | 100.0     |

**Coefficient of Utilization**



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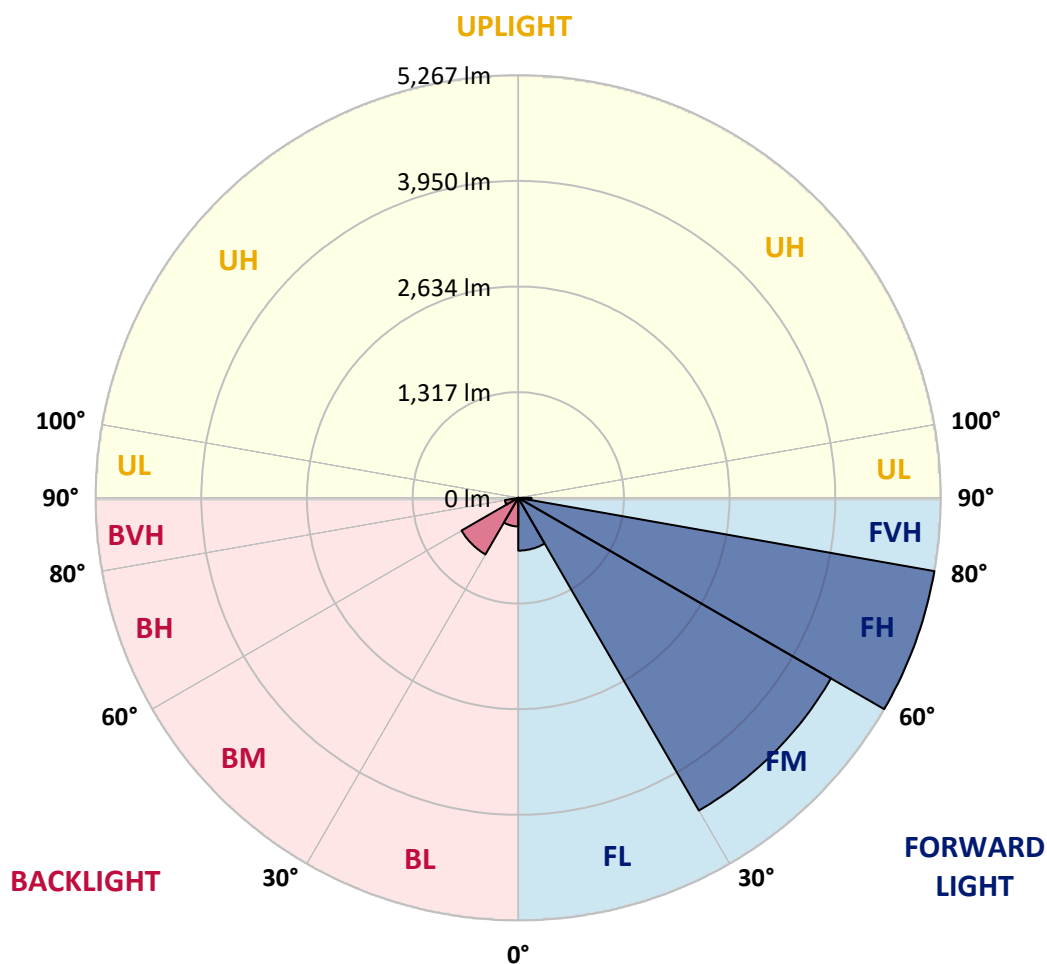
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 657.9  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 4500.7 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 5267.1 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 166.1  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 356.9  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 815.5  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 168.6  | 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°    | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8  | 1729.8  | 1729.8  | 1729.8 | 1729.8 | 1729.8 |
| 2.5°  | 1652.8 | 1666.8 | 1669.4 | 1673.8 | 1673.8  | 1679.1  | 1687.8  | 1700.0 | 1720.2 | 1730.7 |
| 5°    | 1523.4 | 1533.9 | 1547.0 | 1557.5 | 1577.6  | 1580.2  | 1614.3  | 1647.6 | 1693.9 | 1728.9 |
| 7.5°  | 1393.1 | 1405.3 | 1422.8 | 1448.2 | 1474.4  | 1482.3  | 1533.9  | 1589.9 | 1663.3 | 1728.9 |
| 10°   | 1301.3 | 1302.1 | 1317.9 | 1343.2 | 1385.2  | 1394.8  | 1457.8  | 1537.4 | 1629.2 | 1718.4 |
| 12.5° | 1249.7 | 1255.8 | 1262.8 | 1282.0 | 1322.3  | 1328.4  | 1395.7  | 1489.3 | 1595.1 | 1712.3 |
| 15°   | 1249.7 | 1254.0 | 1258.4 | 1268.0 | 1300.4  | 1305.6  | 1365.1  | 1458.7 | 1577.6 | 1714.9 |
| 17.5° | 1262.8 | 1269.8 | 1266.3 | 1277.7 | 1311.8  | 1315.3  | 1367.7  | 1449.9 | 1576.7 | 1731.5 |
| 20°   | 1294.3 | 1299.5 | 1292.5 | 1299.5 | 1333.6  | 1340.6  | 1394.8  | 1466.6 | 1591.6 | 1760.4 |
| 22.5° | 1344.1 | 1346.7 | 1330.1 | 1335.4 | 1370.4  | 1379.1  | 1442.1  | 1513.8 | 1627.5 | 1806.7 |
| 25°   | 1407.1 | 1412.3 | 1387.0 | 1393.1 | 1426.3  | 1436.8  | 1509.4  | 1584.6 | 1684.3 | 1870.6 |
| 27.5° | 1479.7 | 1482.3 | 1460.4 | 1459.6 | 1502.4  | 1517.3  | 1590.7  | 1672.1 | 1760.4 | 1951.0 |
| 30°   | 1562.8 | 1570.6 | 1549.6 | 1546.1 | 1600.4  | 1612.6  | 1685.2  | 1779.6 | 1872.3 | 2071.7 |
| 32.5° | 1628.3 | 1634.5 | 1622.2 | 1631.0 | 1686.1  | 1695.7  | 1799.7  | 1931.8 | 2048.1 | 2243.1 |
| 35°   | 1722.8 | 1726.3 | 1698.3 | 1714.0 | 1777.0  | 1801.5  | 1956.3  | 2145.2 | 2269.4 | 2458.2 |
| 37.5° | 2064.7 | 2064.7 | 1945.8 | 1868.0 | 1928.3  | 1950.2  | 2170.5  | 2413.6 | 2542.2 | 2746.8 |
| 40°   | 2537.8 | 2530.0 | 2355.9 | 2196.8 | 2188.9  | 2231.8  | 2475.7  | 2752.1 | 2894.6 | 3093.1 |
| 42.5° | 3042.4 | 3030.2 | 2793.2 | 2635.8 | 2609.5  | 2624.4  | 2828.2  | 3169.2 | 3314.4 | 3515.5 |
| 45°   | 3490.2 | 3486.7 | 3269.8 | 3058.2 | 3010.9  | 3058.2  | 3268.0  | 3657.2 | 3761.3 | 3972.9 |
| 47.5° | 3865.3 | 3865.3 | 3707.0 | 3568.9 | 3544.4  | 3572.4  | 3863.6  | 4198.5 | 4188.9 | 4460.0 |
| 50°   | 4297.3 | 4293.8 | 4143.4 | 4084.0 | 4109.3  | 4148.7  | 4549.2  | 4768.7 | 4631.4 | 4938.4 |
| 52.5° | 4599.9 | 4620.9 | 4569.3 | 4559.7 | 4689.1  | 4757.3  | 5245.3  | 5326.6 | 5027.6 | 5392.2 |
| 55°   | 4839.5 | 4864.0 | 4923.5 | 4990.8 | 5240.1  | 5329.3  | 5919.6  | 5855.7 | 5359.0 | 5785.8 |
| 57.5° | 5178.9 | 5143.9 | 5235.7 | 5368.6 | 5771.8  | 5879.3  | 6572.8  | 6355.1 | 5625.7 | 6105.0 |
| 60°   | 5590.7 | 5596.0 | 5611.7 | 5779.6 | 6302.6  | 6440.8  | 7216.5  | 6827.3 | 5797.1 | 6300.8 |
| 62.5° | 6085.7 | 6093.6 | 6125.9 | 6383.9 | 7015.3  | 7145.6  | 7902.1  | 7213.8 | 5875.8 | 6245.8 |
| 65°   | 6051.6 | 6084.8 | 6446.0 | 7328.4 | 8098.8  | 8227.4  | 8702.3  | 7484.9 | 5756.9 | 5742.0 |
| 67.5° | 5512.9 | 5567.1 | 6171.4 | 8456.5 | 9732.4  | 9875.8  | 9669.5  | 7538.3 | 5243.6 | 4465.3 |
| 70°   | 4806.3 | 4825.5 | 5552.3 | 9470.9 | 11624.0 | 11769.2 | 10535.2 | 6951.5 | 3979.0 | 2490.6 |
| 72.5° | 3753.4 | 3757.8 | 4610.4 | 9706.2 | 12650.7 | 12658.5 | 9855.7  | 5160.5 | 2139.9 | 956.7  |
| 75°   | 2681.2 | 2655.0 | 3087.9 | 7871.5 | 11129.9 | 11219.1 | 7388.7  | 2420.6 | 817.7  | 452.1  |
| 77.5° | 1437.7 | 1466.6 | 1747.3 | 4668.1 | 7688.7  | 7840.9  | 4031.5  | 697.9  | 416.3  | 307.8  |
| 80°   | 444.3  | 468.7  | 716.2  | 2137.3 | 4355.1  | 4446.9  | 1494.5  | 310.5  | 290.3  | 219.5  |
| 82.5° | 139.9  | 145.2  | 334.1  | 898.1  | 1807.6  | 1849.6  | 432.9   | 175.8  | 198.5  | 145.2  |
| 85°   | 40.2   | 41.1   | 148.7  | 334.9  | 446.9   | 455.6   | 121.6   | 68.2   | 113.7  | 90.1   |
| 87.5° | 4.4    | 14.0   | 56.0   | 56.0   | 39.4    | 38.5    | 13.1    | 14.9   | 32.4   | 11.4   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1729.8 | 0°    | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 | 1729.8 |
| 1737.7 | 2.5°  | 1733.3 | 1734.2 | 1722.8 | 1703.5 | 1682.6 | 1665.1 | 1643.2 | 1625.7 | 1613.5 | 1610.0 |
| 1753.4 | 5°    | 1745.5 | 1739.4 | 1707.0 | 1648.5 | 1578.5 | 1518.2 | 1450.8 | 1397.5 | 1362.5 | 1347.6 |
| 1770.0 | 7.5°  | 1763.9 | 1746.4 | 1675.6 | 1560.1 | 1426.3 | 1307.4 | 1186.7 | 1093.1 | 1033.7 | 1003.9 |
| 1785.8 | 10°   | 1779.6 | 1744.6 | 1623.1 | 1432.4 | 1227.8 | 1047.7 | 885.0  | 772.2  | 709.2  | 679.5  |
| 1804.1 | 12.5° | 1794.5 | 1743.8 | 1554.9 | 1281.2 | 1003.9 | 783.6  | 632.3  | 576.3  | 558.8  | 552.7  |
| 1833.8 | 15°   | 1822.5 | 1746.4 | 1469.2 | 1108.0 | 780.9  | 592.0  | 536.9  | 536.1  | 539.6  | 537.8  |
| 1879.3 | 17.5° | 1861.0 | 1749.0 | 1372.1 | 924.4  | 602.5  | 522.1  | 519.5  | 527.3  | 532.6  | 530.0  |
| 1936.2 | 20°   | 1910.8 | 1759.5 | 1268.9 | 742.5  | 517.7  | 504.6  | 510.7  | 517.7  | 522.1  | 517.7  |
| 2012.2 | 22.5° | 1980.8 | 1777.9 | 1156.1 | 596.4  | 490.6  | 494.1  | 499.3  | 507.2  | 511.6  | 505.5  |
| 2109.3 | 25°   | 2066.5 | 1806.7 | 1045.0 | 518.6  | 477.5  | 481.9  | 489.7  | 498.5  | 503.7  | 497.6  |
| 2231.8 | 27.5° | 2177.5 | 1853.1 | 942.7  | 501.1  | 464.4  | 467.0  | 478.4  | 491.5  | 498.5  | 490.6  |
| 2405.8 | 30°   | 2338.4 | 1929.2 | 854.4  | 509.0  | 456.5  | 450.4  | 466.1  | 484.5  | 492.3  | 485.4  |
| 2642.8 | 32.5° | 2551.8 | 2036.7 | 800.2  | 521.2  | 453.0  | 431.1  | 446.0  | 469.6  | 482.7  | 478.4  |
| 2952.3 | 35°   | 2831.7 | 2200.3 | 779.2  | 535.2  | 450.4  | 411.0  | 421.5  | 446.9  | 469.6  | 474.0  |
| 3342.4 | 37.5° | 3171.0 | 2427.6 | 785.3  | 541.3  | 442.5  | 394.4  | 399.7  | 421.5  | 451.2  | 465.2  |
| 3781.4 | 40°   | 3556.6 | 2692.6 | 820.3  | 535.2  | 433.8  | 380.4  | 381.3  | 397.9  | 424.1  | 445.1  |
| 4253.6 | 42.5° | 3954.5 | 3002.2 | 885.0  | 512.5  | 425.9  | 368.2  | 365.5  | 376.9  | 394.4  | 409.3  |
| 4725.0 | 45°   | 4333.2 | 3320.5 | 948.8  | 481.0  | 416.3  | 355.9  | 349.8  | 354.2  | 357.7  | 363.8  |
| 5184.1 | 47.5° | 4663.8 | 3544.4 | 930.5  | 452.1  | 403.1  | 341.9  | 331.4  | 329.7  | 319.2  | 318.3  |
| 5594.2 | 50°   | 4892.0 | 3593.4 | 826.4  | 423.3  | 383.9  | 326.2  | 309.6  | 299.1  | 280.7  | 272.0  |
| 5901.2 | 52.5° | 4964.6 | 3400.1 | 675.1  | 394.4  | 352.4  | 305.2  | 281.6  | 265.0  | 242.2  | 234.4  |
| 6077.8 | 55°   | 4868.4 | 3021.4 | 539.6  | 359.4  | 308.7  | 277.2  | 251.0  | 229.1  | 210.8  | 201.1  |
| 6097.1 | 57.5° | 4633.2 | 2539.6 | 426.8  | 318.3  | 262.4  | 245.7  | 219.5  | 197.6  | 181.9  | 172.3  |
| 5883.7 | 60°   | 4243.1 | 2016.6 | 337.6  | 269.3  | 223.9  | 211.6  | 184.5  | 170.5  | 156.5  | 145.2  |
| 5332.8 | 62.5° | 3651.1 | 1439.4 | 265.0  | 213.4  | 187.1  | 173.2  | 157.4  | 146.9  | 130.3  | 114.6  |
| 4341.9 | 65°   | 2849.2 | 880.6  | 204.6  | 156.5  | 150.4  | 143.4  | 133.8  | 124.2  | 104.1  | 88.3   |
| 2832.5 | 67.5° | 1797.1 | 417.1  | 146.0  | 118.1  | 118.9  | 115.4  | 111.1  | 103.2  | 88.3   | 74.3   |
| 1268.9 | 70°   | 791.4  | 202.0  | 96.2   | 90.1   | 88.3   | 88.3   | 91.8   | 89.2   | 75.2   | 62.1   |
| 440.8  | 72.5° | 269.3  | 108.4  | 71.7   | 68.2   | 63.8   | 63.0   | 77.0   | 74.3   | 60.3   | 48.1   |
| 219.5  | 75°   | 140.8  | 72.6   | 52.5   | 49.0   | 38.5   | 46.3   | 61.2   | 57.7   | 42.9   | 31.5   |
| 145.2  | 77.5° | 91.8   | 51.6   | 35.9   | 31.5   | 21.9   | 30.6   | 45.5   | 40.2   | 25.4   | 15.7   |
| 95.3   | 80°   | 57.7   | 34.1   | 21.0   | 14.9   | 10.5   | 16.6   | 24.5   | 17.5   | 9.6    | 3.5    |
| 56.0   | 82.5° | 30.6   | 17.5   | 7.9    | 5.2    | 4.4    | 5.2    | 6.1    | 4.4    | 1.7    | 0.0    |
| 28.9   | 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°   |
|--------|
| 1729.8 |
| 1616.1 |
| 1352.9 |
| 1008.3 |
| 680.4  |
| 550.9  |
| 536.9  |
| 529.1  |
| 516.8  |
| 504.6  |
| 496.7  |
| 490.6  |
| 484.5  |
| 478.4  |
| 474.0  |
| 468.7  |
| 452.1  |
| 415.4  |
| 367.3  |
| 317.4  |
| 272.8  |
| 233.5  |
| 201.1  |
| 170.5  |
| 142.5  |
| 111.9  |
| 85.7   |
| 72.6   |
| 59.5   |
| 45.5   |
| 28.9   |
| 14.0   |
| 2.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |