

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: P942258

Luminaire Tested: **GLAN-SB6A-935-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942258  
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-SB6A-935-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 14328 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

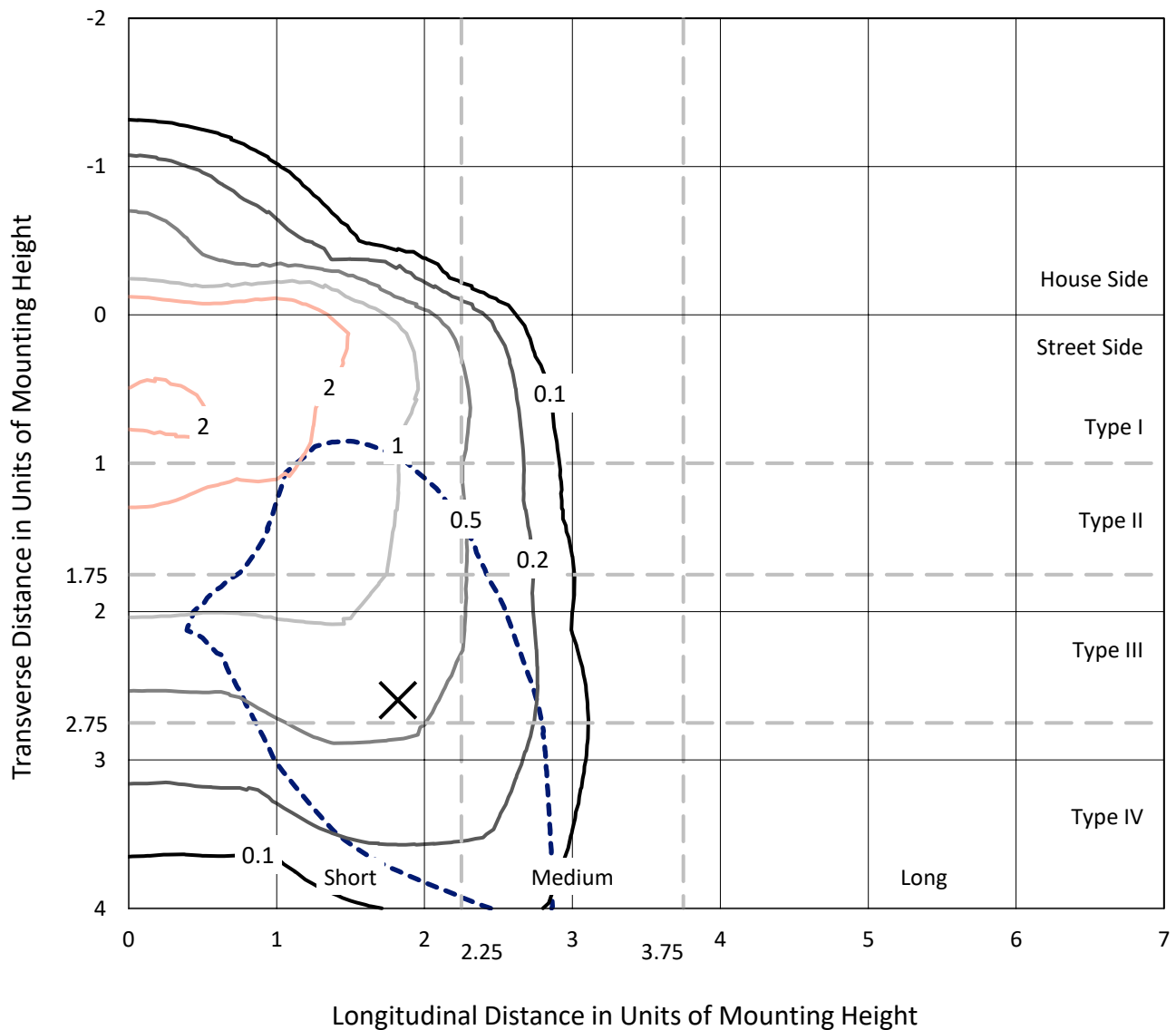
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

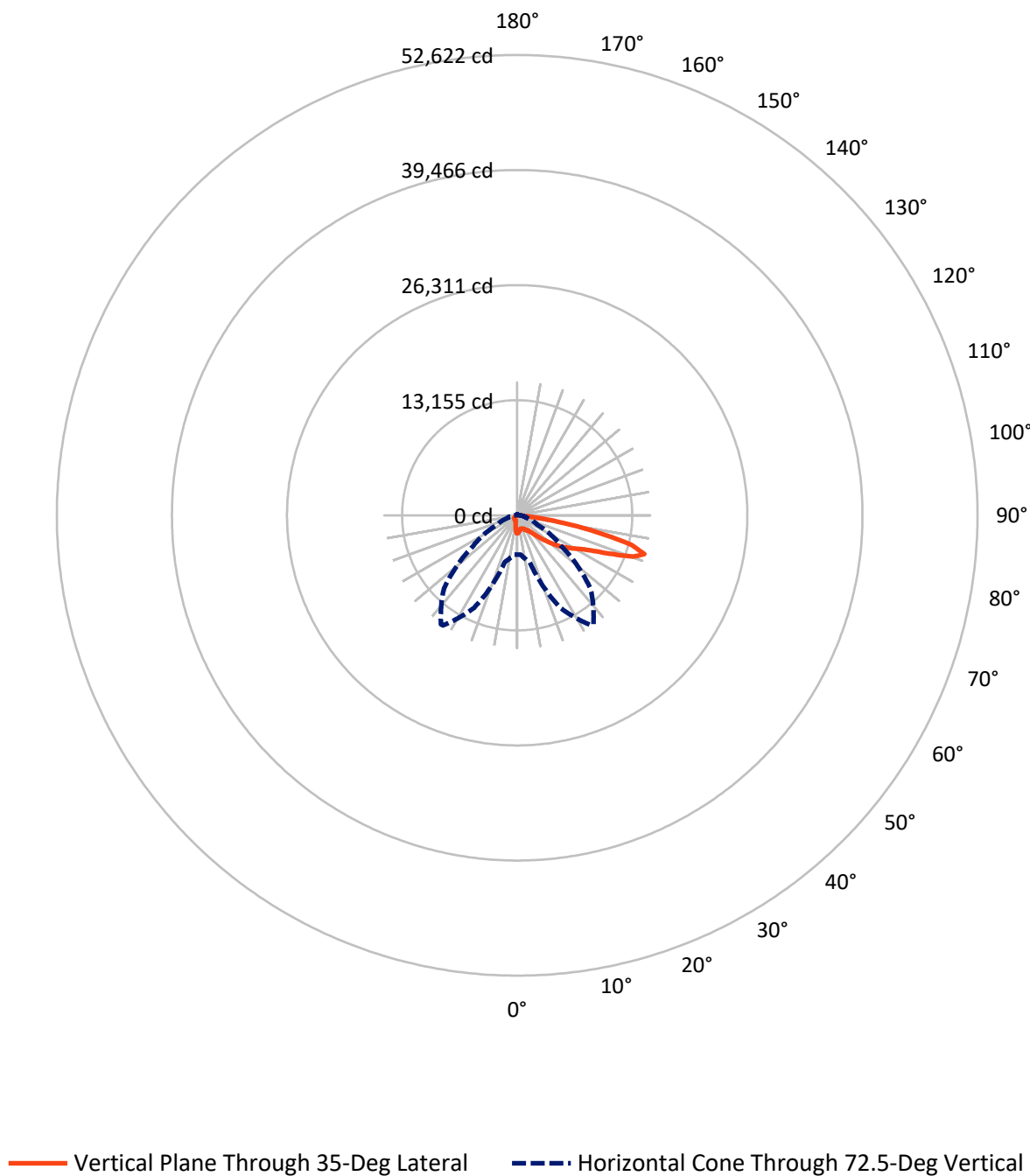
× Max cd  
- - - 1/2 Max cd



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

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## Luminous Intensity Polar Plot



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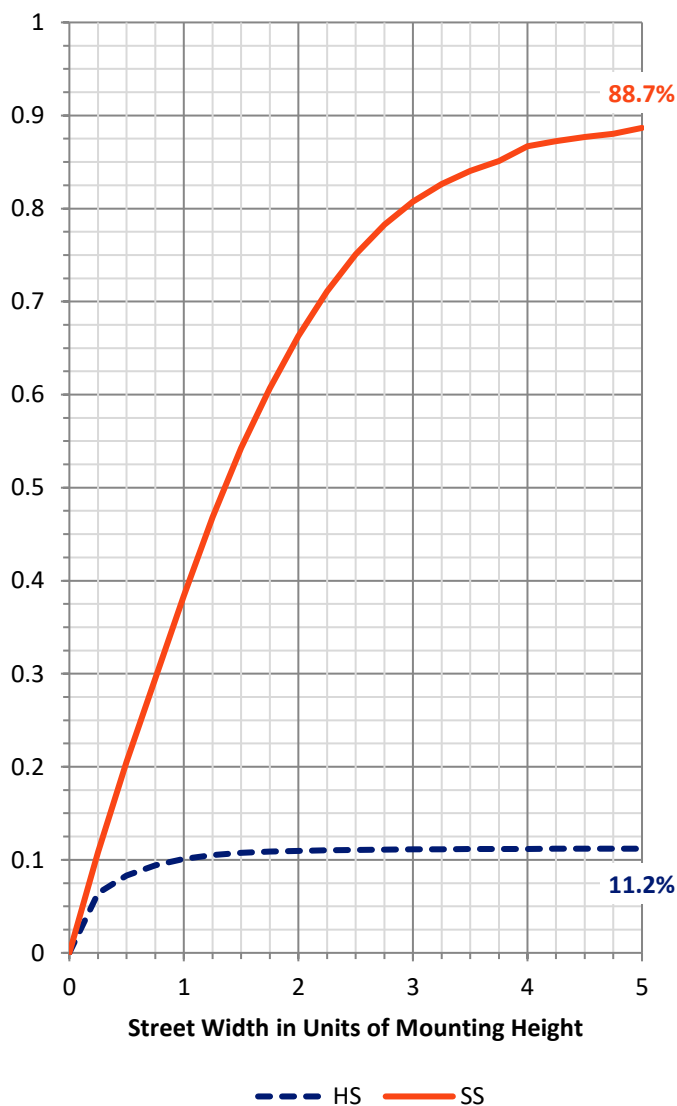
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1612.5   | 0.0    | 1612.5  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 12715.4  | 0.0    | 12715.4 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 14328.0  | 0.0    | 14328.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 170.6   | 1.2       |
| 10°-20°   | 399.2   | 2.8       |
| 20°-30°   | 648.5   | 4.5       |
| 30°-40°   | 1082.0  | 7.6       |
| 40°-50°   | 2047.1  | 14.3      |
| 50°-60°   | 3252.9  | 22.7      |
| 60°-70°   | 4024.1  | 28.1      |
| 70°-80°   | 2501.4  | 17.5      |
| 80°-90°   | 202.1   | 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°    | 14328.0 | 100.0     |
| 0°-180°   | 14328.0 | 100.0     |

**Coefficient of Utilization**



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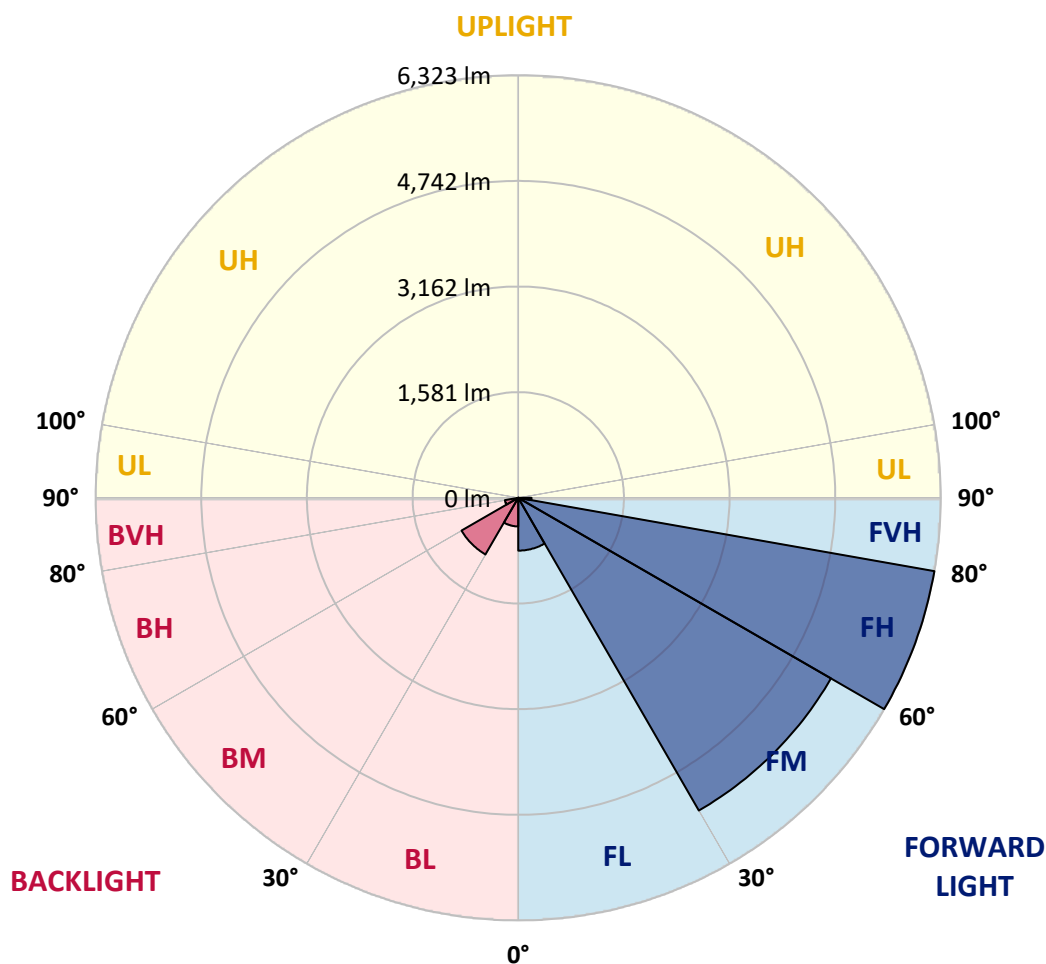
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 789.8  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 5403.1 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 6323.1 | 44.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 199.4  | 1.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 428.5  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 979.0  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 202.3  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.7    | 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°    | 2076.6 | 2076.6 | 2076.6 | 2076.6  | 2076.6  | 2076.6  | 2076.6  | 2076.6 | 2076.6 | 2076.6 |
| 2.5°  | 1984.2 | 2001.0 | 2004.2 | 2009.4  | 2009.4  | 2015.7  | 2026.2  | 2040.9 | 2065.1 | 2077.7 |
| 5°    | 1828.8 | 1841.4 | 1857.2 | 1869.8  | 1893.9  | 1897.1  | 1938.0  | 1977.9 | 2033.6 | 2075.6 |
| 7.5°  | 1672.4 | 1687.1 | 1708.1 | 1738.6  | 1770.1  | 1779.5  | 1841.4  | 1908.6 | 1996.8 | 2075.6 |
| 10°   | 1562.2 | 1563.2 | 1582.1 | 1612.6  | 1663.0  | 1674.5  | 1750.1  | 1845.6 | 1955.9 | 2063.0 |
| 12.5° | 1500.2 | 1507.6 | 1516.0 | 1539.1  | 1587.4  | 1594.7  | 1675.6  | 1787.9 | 1914.9 | 2055.6 |
| 15°   | 1500.2 | 1505.5 | 1510.7 | 1522.3  | 1561.1  | 1567.4  | 1638.8  | 1751.2 | 1893.9 | 2058.8 |
| 17.5° | 1516.0 | 1524.4 | 1520.2 | 1533.8  | 1574.8  | 1579.0  | 1642.0  | 1740.7 | 1892.9 | 2078.7 |
| 20°   | 1553.8 | 1560.1 | 1551.7 | 1560.1  | 1601.0  | 1609.4  | 1674.5  | 1760.6 | 1910.7 | 2113.4 |
| 22.5° | 1613.6 | 1616.8 | 1596.8 | 1603.1  | 1645.1  | 1655.6  | 1731.2  | 1817.3 | 1953.8 | 2169.0 |
| 25°   | 1689.2 | 1695.5 | 1665.1 | 1672.4  | 1712.3  | 1724.9  | 1812.0  | 1902.3 | 2022.0 | 2245.6 |
| 27.5° | 1776.3 | 1779.5 | 1753.3 | 1752.2  | 1803.6  | 1821.5  | 1909.7  | 2007.3 | 2113.4 | 2342.2 |
| 30°   | 1876.1 | 1885.5 | 1860.3 | 1856.1  | 1921.2  | 1935.9  | 2023.1  | 2136.4 | 2247.7 | 2487.1 |
| 32.5° | 1954.8 | 1962.2 | 1947.5 | 1958.0  | 2024.1  | 2035.7  | 2160.6  | 2319.1 | 2458.8 | 2692.9 |
| 35°   | 2068.2 | 2072.4 | 2038.8 | 2057.7  | 2133.3  | 2162.7  | 2348.5  | 2575.3 | 2724.4 | 2951.1 |
| 37.5° | 2478.7 | 2478.7 | 2335.9 | 2242.5  | 2314.9  | 2341.2  | 2605.7  | 2897.6 | 3051.9 | 3297.6 |
| 40°   | 3046.7 | 3037.2 | 2828.3 | 2637.2  | 2627.8  | 2679.2  | 2972.1  | 3303.9 | 3475.0 | 3713.3 |
| 42.5° | 3652.4 | 3637.7 | 3353.2 | 3164.3  | 3132.8  | 3150.6  | 3395.2  | 3804.7 | 3978.9 | 4220.4 |
| 45°   | 4190.0 | 4185.8 | 3925.4 | 3671.3  | 3614.6  | 3671.3  | 3923.3  | 4390.5 | 4515.4 | 4769.5 |
| 47.5° | 4640.3 | 4640.3 | 4450.3 | 4284.4  | 4255.1  | 4288.6  | 4638.2  | 5040.3 | 5028.8 | 5354.2 |
| 50°   | 5159.0 | 5154.8 | 4974.2 | 4902.8  | 4933.3  | 4980.5  | 5461.3  | 5724.8 | 5560.0 | 5928.5 |
| 52.5° | 5522.2 | 5547.4 | 5485.5 | 5473.9  | 5629.3  | 5711.2  | 6297.0  | 6394.6 | 6035.6 | 6473.4 |
| 55°   | 5809.9 | 5839.3 | 5910.7 | 5991.5  | 6290.7  | 6397.8  | 7106.4  | 7029.8 | 6433.5 | 6945.8 |
| 57.5° | 6217.2 | 6175.2 | 6285.5 | 6445.0  | 6929.0  | 7058.2  | 7890.7  | 7629.3 | 6753.7 | 7329.0 |
| 60°   | 6711.7 | 6718.0 | 6736.9 | 6938.5  | 7566.3  | 7732.2  | 8663.4  | 8196.2 | 6959.5 | 7564.2 |
| 62.5° | 7305.9 | 7315.4 | 7354.2 | 7663.9  | 8421.9  | 8578.3  | 9486.5  | 8660.2 | 7054.0 | 7498.0 |
| 65°   | 7265.0 | 7304.9 | 7738.5 | 8797.8  | 9722.7  | 9877.0  | 10447.1 | 8985.7 | 6911.2 | 6893.3 |
| 67.5° | 6618.3 | 6683.4 | 7408.8 | 10152.1 | 11683.8 | 11856.0 | 11608.2 | 9049.7 | 6294.9 | 5360.5 |
| 70°   | 5770.0 | 5793.1 | 6665.5 | 11369.9 | 13954.6 | 14128.9 | 12647.6 | 8345.3 | 4776.8 | 2990.0 |
| 72.5° | 4506.0 | 4511.2 | 5534.8 | 11652.3 | 15187.2 | 15196.6 | 11831.8 | 6195.2 | 2569.0 | 1148.5 |
| 75°   | 3218.8 | 3187.4 | 3707.0 | 9449.7  | 13361.5 | 13468.6 | 8870.2  | 2906.0 | 981.6  | 542.8  |
| 77.5° | 1726.0 | 1760.6 | 2097.6 | 5604.1  | 9230.3  | 9413.0  | 4839.8  | 837.8  | 499.7  | 369.5  |
| 80°   | 533.3  | 562.7  | 859.8  | 2565.8  | 5228.3  | 5338.5  | 1794.2  | 372.7  | 348.6  | 263.5  |
| 82.5° | 168.0  | 174.3  | 401.0  | 1078.2  | 2170.0  | 2220.4  | 519.7   | 211.0  | 238.3  | 174.3  |
| 85°   | 48.3   | 49.3   | 178.5  | 402.1   | 536.5   | 547.0   | 145.9   | 81.9   | 136.5  | 108.1  |
| 87.5° | 5.2    | 16.8   | 67.2   | 67.2    | 47.2    | 46.2    | 15.7    | 17.8   | 38.8   | 13.6   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2076.6 | 0°    | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 | 2076.6 |
| 2086.1 | 2.5°  | 2080.8 | 2081.9 | 2068.2 | 2045.1 | 2019.9 | 1998.9 | 1972.7 | 1951.7 | 1937.0 | 1932.8 |
| 2105.0 | 5°    | 2095.5 | 2088.2 | 2049.3 | 1979.0 | 1895.0 | 1822.5 | 1741.7 | 1677.7 | 1635.7 | 1617.8 |
| 2124.9 | 7.5°  | 2117.6 | 2096.6 | 2011.5 | 1872.9 | 1712.3 | 1569.5 | 1424.6 | 1312.3 | 1240.9 | 1205.2 |
| 2143.8 | 10°   | 2136.4 | 2094.5 | 1948.5 | 1719.7 | 1474.0 | 1257.7 | 1062.5 | 927.0  | 851.4  | 815.7  |
| 2165.8 | 12.5° | 2154.3 | 2093.4 | 1866.6 | 1538.0 | 1205.2 | 940.7  | 759.0  | 691.9  | 670.9  | 663.5  |
| 2201.5 | 15°   | 2187.9 | 2096.6 | 1763.8 | 1330.2 | 937.5  | 710.7  | 644.6  | 643.6  | 647.8  | 645.7  |
| 2256.1 | 17.5° | 2234.1 | 2099.7 | 1647.2 | 1109.7 | 723.3  | 626.8  | 623.6  | 633.1  | 639.4  | 636.2  |
| 2324.4 | 20°   | 2293.9 | 2112.3 | 1523.3 | 891.3  | 621.5  | 605.8  | 613.1  | 621.5  | 626.8  | 621.5  |
| 2415.7 | 22.5° | 2377.9 | 2134.3 | 1387.9 | 716.0  | 589.0  | 593.2  | 599.5  | 608.9  | 614.2  | 606.8  |
| 2532.2 | 25°   | 2480.8 | 2169.0 | 1254.6 | 622.6  | 573.2  | 578.5  | 587.9  | 598.4  | 604.7  | 597.4  |
| 2679.2 | 27.5° | 2614.1 | 2224.6 | 1131.7 | 601.6  | 557.5  | 560.6  | 574.3  | 590.0  | 598.4  | 589.0  |
| 2888.1 | 30°   | 2807.3 | 2316.0 | 1025.7 | 611.0  | 548.0  | 540.7  | 559.6  | 581.6  | 591.1  | 582.7  |
| 3172.7 | 32.5° | 3063.5 | 2445.1 | 960.6  | 625.7  | 543.8  | 517.6  | 535.4  | 563.8  | 579.5  | 574.3  |
| 3544.3 | 35°   | 3399.4 | 2641.4 | 935.4  | 642.5  | 540.7  | 493.4  | 506.0  | 536.5  | 563.8  | 569.0  |
| 4012.5 | 37.5° | 3806.8 | 2914.4 | 942.8  | 649.9  | 531.2  | 473.5  | 479.8  | 506.0  | 541.7  | 558.5  |
| 4539.6 | 40°   | 4269.7 | 3232.5 | 984.8  | 642.5  | 520.7  | 456.7  | 457.7  | 477.7  | 509.2  | 534.4  |
| 5106.5 | 42.5° | 4747.4 | 3604.1 | 1062.5 | 615.2  | 511.3  | 442.0  | 438.8  | 452.5  | 473.5  | 491.3  |
| 5672.4 | 45°   | 5202.0 | 3986.3 | 1139.1 | 577.4  | 499.7  | 427.3  | 419.9  | 425.2  | 429.4  | 436.7  |
| 6223.5 | 47.5° | 5598.9 | 4255.1 | 1117.0 | 542.8  | 484.0  | 410.5  | 397.9  | 395.8  | 383.2  | 382.1  |
| 6715.9 | 50°   | 5872.9 | 4313.8 | 992.1  | 508.1  | 460.9  | 391.6  | 371.6  | 359.0  | 337.0  | 326.5  |
| 7084.4 | 52.5° | 5960.0 | 4081.8 | 810.5  | 473.5  | 423.1  | 366.4  | 338.1  | 318.1  | 290.8  | 281.4  |
| 7296.5 | 55°   | 5844.5 | 3627.2 | 647.8  | 431.5  | 370.6  | 332.8  | 301.3  | 275.1  | 253.0  | 241.5  |
| 7319.6 | 57.5° | 5562.1 | 3048.8 | 512.3  | 382.1  | 315.0  | 295.0  | 263.5  | 237.3  | 218.4  | 206.8  |
| 7063.4 | 60°   | 5093.9 | 2421.0 | 405.2  | 323.4  | 268.8  | 254.1  | 221.5  | 204.7  | 187.9  | 174.3  |
| 6402.0 | 62.5° | 4383.1 | 1728.1 | 318.1  | 256.2  | 224.7  | 207.9  | 189.0  | 176.4  | 156.4  | 137.5  |
| 5212.5 | 65°   | 3420.4 | 1057.2 | 245.7  | 187.9  | 180.6  | 172.2  | 160.6  | 149.1  | 124.9  | 106.0  |
| 3400.5 | 67.5° | 2157.4 | 500.8  | 175.3  | 141.7  | 142.8  | 138.6  | 133.3  | 123.9  | 106.0  | 89.2   |
| 1523.3 | 70°   | 950.1  | 242.5  | 115.5  | 108.1  | 106.0  | 106.0  | 110.2  | 107.1  | 90.3   | 74.5   |
| 529.1  | 72.5° | 323.4  | 130.2  | 86.1   | 81.9   | 76.6   | 75.6   | 92.4   | 89.2   | 72.4   | 57.7   |
| 263.5  | 75°   | 169.0  | 87.1   | 63.0   | 58.8   | 46.2   | 55.6   | 73.5   | 69.3   | 51.4   | 37.8   |
| 174.3  | 77.5° | 110.2  | 61.9   | 43.0   | 37.8   | 26.2   | 36.7   | 54.6   | 48.3   | 30.4   | 18.9   |
| 114.4  | 80°   | 69.3   | 40.9   | 25.2   | 17.8   | 12.6   | 19.9   | 29.4   | 21.0   | 11.5   | 4.2    |
| 67.2   | 82.5° | 36.7   | 21.0   | 9.4    | 6.3    | 5.2    | 6.3    | 7.3    | 5.2    | 2.1    | 0.0    |
| 34.6   | 85°   | 14.7   | 7.3    | 3.1    | 2.1    | 1.0    | 0.0    | 2.1    | 1.0    | 0.0    | 0.0    |
| 6.3    | 87.5° | 5.2    | 1.0    | 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°   |
|--------|
| 2076.6 |
| 1940.1 |
| 1624.1 |
| 1210.5 |
| 816.8  |
| 661.4  |
| 644.6  |
| 635.2  |
| 620.5  |
| 605.8  |
| 596.3  |
| 589.0  |
| 581.6  |
| 574.3  |
| 569.0  |
| 562.7  |
| 542.8  |
| 498.7  |
| 440.9  |
| 381.1  |
| 327.6  |
| 280.3  |
| 241.5  |
| 204.7  |
| 171.1  |
| 134.4  |
| 102.9  |
| 87.1   |
| 71.4   |
| 54.6   |
| 34.6   |
| 16.8   |
| 3.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |