

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: P946953

Luminaire Tested: **GLAN-SB2B-950-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-950-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

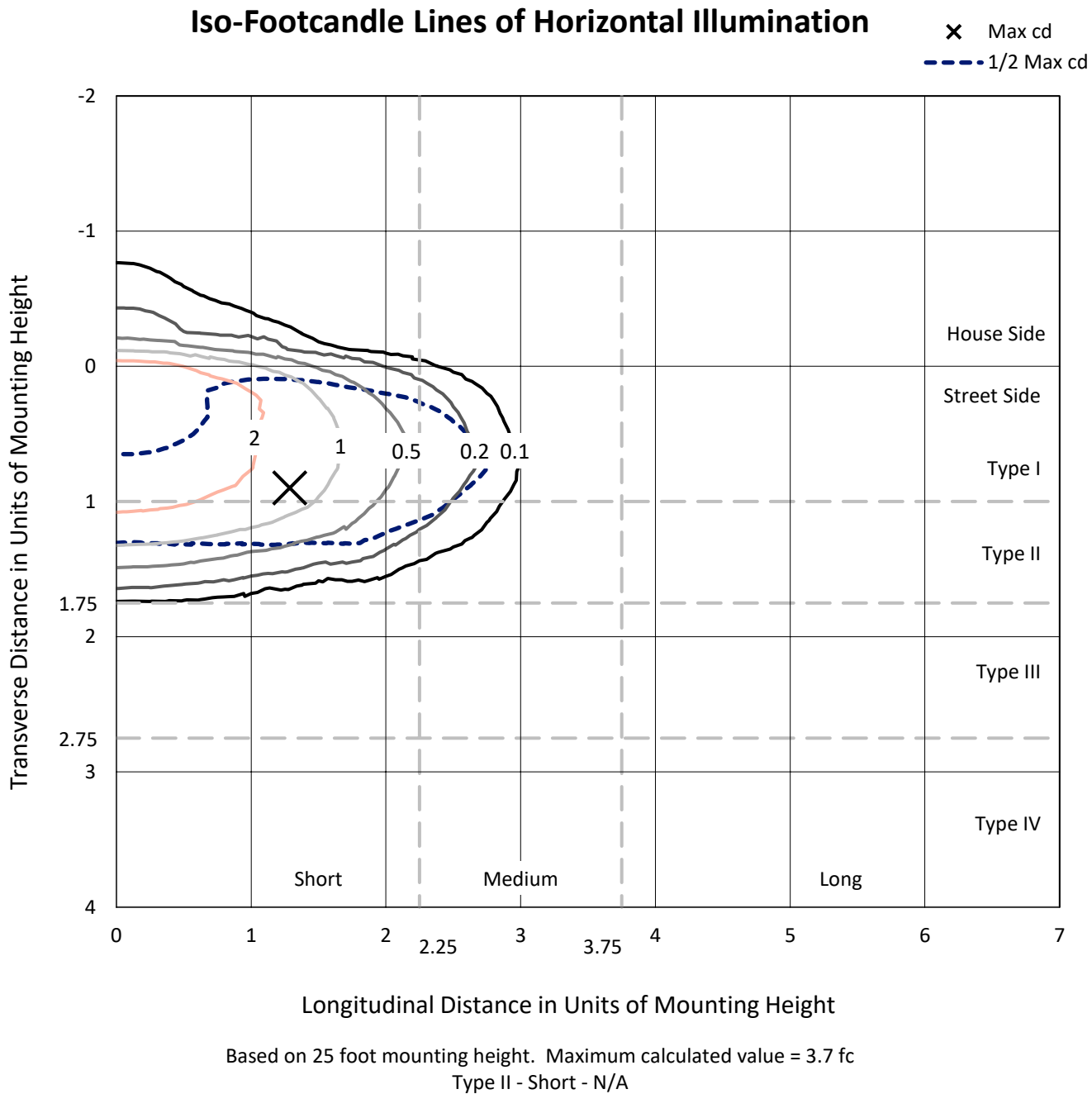
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6679 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

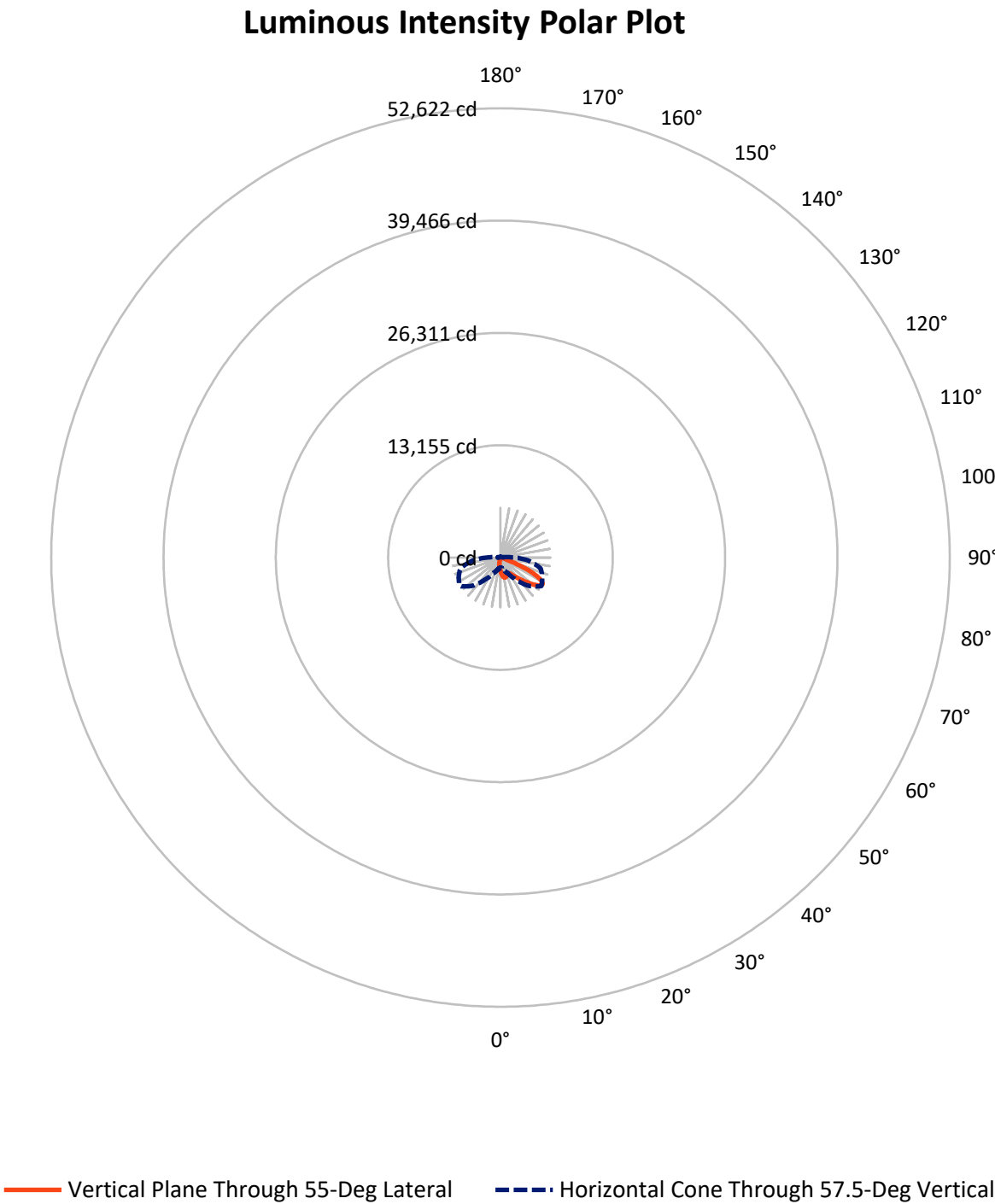
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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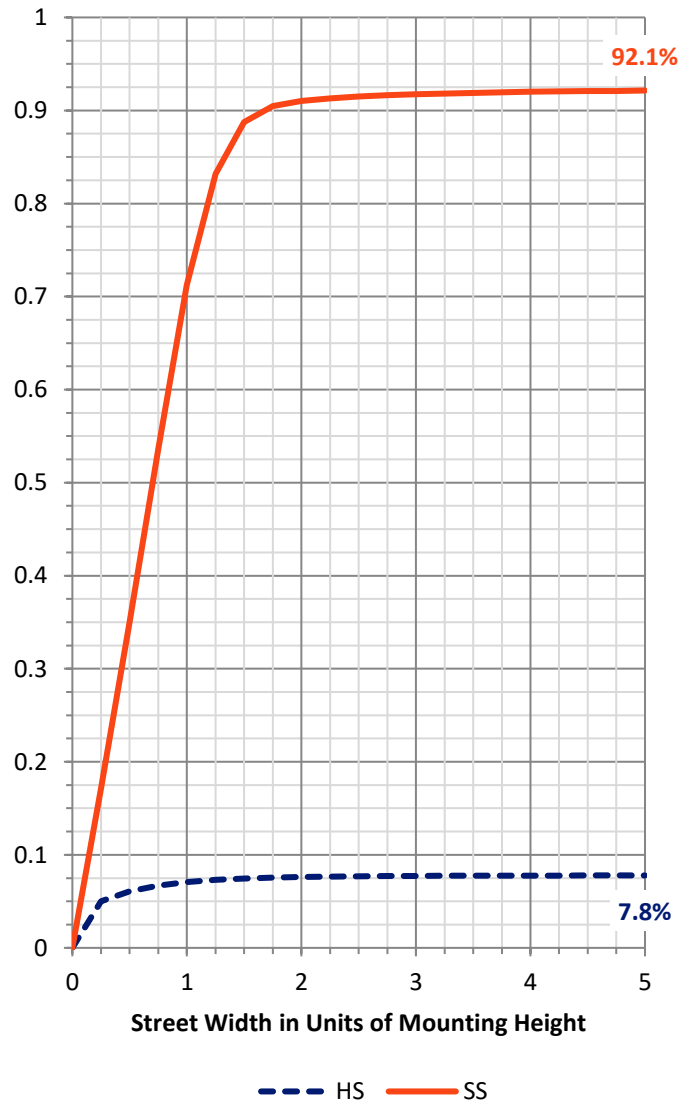
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 521.6    | 0.0    | 521.6  |
|                    | % Fixture | 7.8      | 0.0    | 7.8    |
| <b>Street Side</b> | Lumens    | 6157.4   | 0.0    | 6157.4 |
|                    | % Fixture | 92.2     | 0.0    | 92.2   |
| <b>Total</b>       | Lumens    | 6679.0   | 0.0    | 6679.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.8  | 2.2       |
| 10°-20°   | 361.7  | 5.4       |
| 20°-30°   | 578.8  | 8.7       |
| 30°-40°   | 979.6  | 14.7      |
| 40°-50°   | 1608.3 | 24.1      |
| 50°-60°   | 1767.6 | 26.5      |
| 60°-70°   | 1013.9 | 15.2      |
| 70°-80°   | 207.2  | 3.1       |
| 80°-90°   | 12.2   | 0.2       |
| 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°    | 6679.0 | 100.0     |
| 0°-180°   | 6679.0 | 100.0     |

**Coefficient of Utilization**



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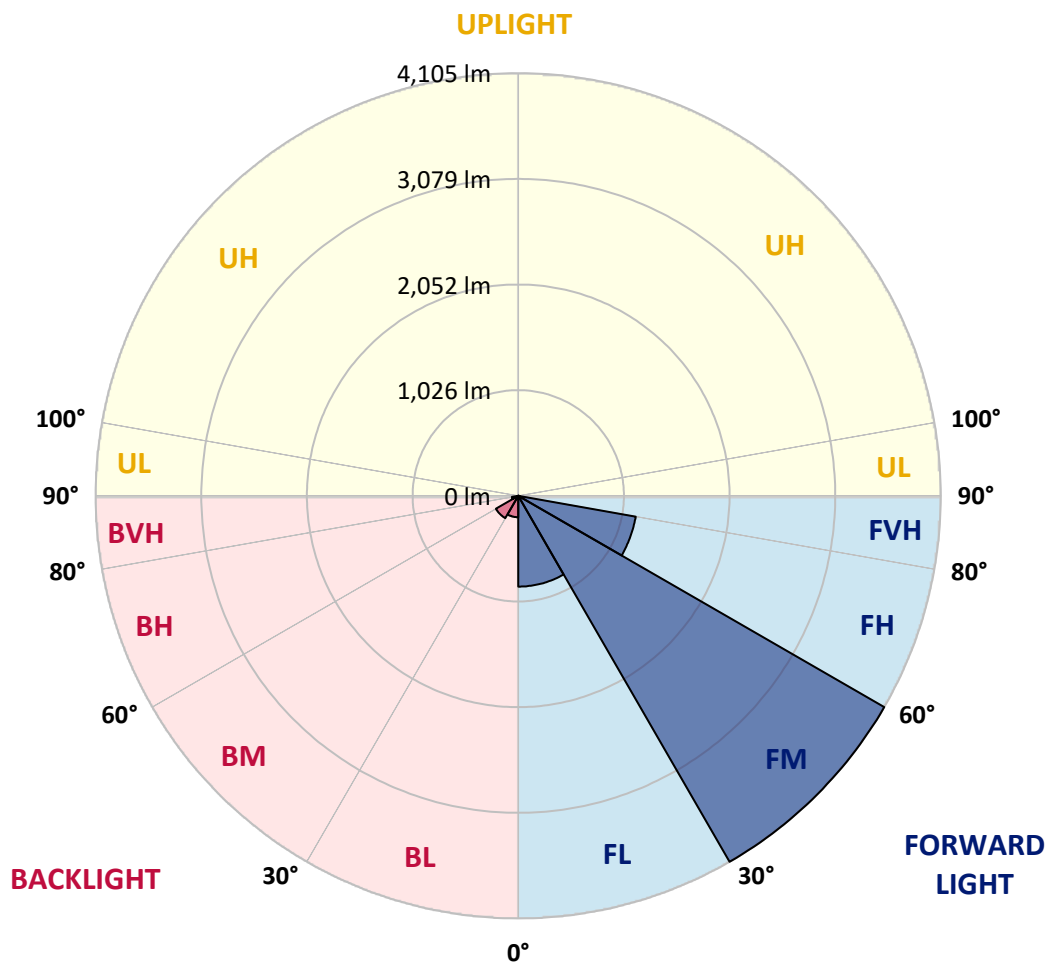
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 882.0  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 4105.0 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 1159.0 | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 11.4   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 208.2  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 250.5  | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 62.0   | 0.9       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.8    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 |
| 2.5°  | 1997.0 | 1971.9 | 1968.2 | 1963.2 | 1915.5 | 1879.6 | 1827.8 | 1770.9 | 1707.1 | 1642.0 |
| 5°    | 2307.1 | 2287.4 | 2283.7 | 2260.6 | 2206.2 | 2145.3 | 2053.0 | 1936.5 | 1817.5 | 1677.4 |
| 7.5°  | 2367.3 | 2363.6 | 2380.4 | 2379.6 | 2372.2 | 2324.0 | 2246.2 | 2107.4 | 1928.7 | 1721.1 |
| 10°   | 2099.2 | 2108.6 | 2158.9 | 2202.9 | 2322.0 | 2391.1 | 2374.3 | 2259.8 | 2043.1 | 1770.9 |
| 12.5° | 1854.9 | 1843.8 | 1879.6 | 1929.5 | 2067.9 | 2273.8 | 2427.4 | 2387.0 | 2174.1 | 1827.3 |
| 15°   | 1701.7 | 1697.2 | 1717.4 | 1740.4 | 1845.9 | 2053.4 | 2365.6 | 2490.4 | 2300.1 | 1894.1 |
| 17.5° | 1652.7 | 1649.0 | 1655.2 | 1661.0 | 1729.3 | 1889.9 | 2218.6 | 2553.8 | 2420.8 | 1970.2 |
| 20°   | 1692.7 | 1687.7 | 1686.9 | 1682.4 | 1710.8 | 1820.3 | 2085.6 | 2558.4 | 2529.1 | 2039.4 |
| 22.5° | 1809.2 | 1803.5 | 1783.3 | 1765.2 | 1767.6 | 1829.8 | 2026.3 | 2513.1 | 2610.7 | 2104.1 |
| 25°   | 2020.5 | 2011.0 | 1969.0 | 1908.1 | 1869.3 | 1895.7 | 2035.3 | 2453.3 | 2688.5 | 2154.8 |
| 27.5° | 2284.9 | 2272.5 | 2218.6 | 2128.0 | 2039.4 | 2007.3 | 2100.8 | 2412.2 | 2753.2 | 2193.5 |
| 30°   | 2543.9 | 2527.9 | 2474.8 | 2404.3 | 2275.0 | 2173.7 | 2219.0 | 2430.3 | 2830.2 | 2233.8 |
| 32.5° | 2823.6 | 2808.3 | 2737.9 | 2650.6 | 2543.5 | 2407.2 | 2380.9 | 2518.8 | 2924.5 | 2290.2 |
| 35°   | 3177.4 | 3153.5 | 3053.4 | 2934.4 | 2820.7 | 2682.7 | 2600.0 | 2671.6 | 3050.1 | 2376.3 |
| 37.5° | 3580.1 | 3548.0 | 3440.1 | 3275.8 | 3127.5 | 2973.1 | 2866.8 | 2881.7 | 3234.2 | 2491.6 |
| 40°   | 3959.9 | 3930.6 | 3830.9 | 3676.1 | 3489.9 | 3302.6 | 3189.3 | 3156.3 | 3488.3 | 2632.1 |
| 42.5° | 4187.6 | 4161.2 | 4119.2 | 4053.8 | 3896.8 | 3705.7 | 3562.8 | 3491.6 | 3788.9 | 2800.1 |
| 45°   | 4200.4 | 4177.3 | 4233.7 | 4309.9 | 4279.0 | 4151.8 | 3977.6 | 3847.0 | 4090.8 | 2957.8 |
| 47.5° | 3996.1 | 3980.4 | 4151.8 | 4417.8 | 4550.4 | 4604.0 | 4443.4 | 4172.8 | 4340.0 | 3071.1 |
| 50°   | 3439.3 | 3433.5 | 3786.1 | 4274.5 | 4653.8 | 5000.2 | 4934.7 | 4475.9 | 4533.1 | 3129.6 |
| 52.5° | 2982.1 | 2961.1 | 3166.6 | 3815.7 | 4503.5 | 5208.6 | 5414.9 | 4773.2 | 4668.2 | 3140.7 |
| 55°   | 2261.8 | 2243.3 | 2501.1 | 3048.0 | 4018.7 | 5134.4 | 5766.2 | 5080.1 | 4765.0 | 3112.3 |
| 57.5° | 1213.3 | 1201.8 | 1527.5 | 2028.7 | 3141.5 | 4689.6 | 5829.6 | 5404.6 | 4846.5 | 3036.9 |
| 60°   | 472.4  | 470.3  | 592.2  | 984.3  | 1909.3 | 3815.3 | 5509.6 | 5599.4 | 4897.6 | 2944.3 |
| 62.5° | 285.8  | 292.0  | 311.8  | 441.9  | 843.5  | 2370.1 | 4772.0 | 5377.8 | 4931.8 | 2859.4 |
| 65°   | 236.4  | 236.8  | 239.3  | 303.5  | 404.0  | 991.7  | 3592.5 | 4648.9 | 4847.4 | 2708.3 |
| 67.5° | 202.6  | 206.3  | 215.8  | 240.9  | 285.0  | 434.9  | 2068.3 | 3601.1 | 4333.8 | 2356.6 |
| 70°   | 159.8  | 164.7  | 176.7  | 198.1  | 219.9  | 272.2  | 764.4  | 2396.1 | 3310.8 | 1776.3 |
| 72.5° | 134.7  | 134.3  | 140.4  | 161.0  | 174.6  | 191.5  | 294.1  | 1342.6 | 1924.1 | 848.0  |
| 75°   | 104.2  | 108.3  | 116.1  | 134.7  | 142.9  | 138.8  | 159.4  | 490.5  | 689.4  | 257.0  |
| 77.5° | 81.5   | 84.8   | 91.8   | 110.0  | 118.2  | 98.4   | 91.8   | 175.4  | 221.6  | 92.3   |
| 80°   | 36.7   | 39.5   | 62.6   | 81.1   | 96.4   | 68.0   | 49.8   | 89.8   | 98.4   | 42.0   |
| 82.5° | 6.6    | 11.1   | 36.7   | 42.8   | 49.4   | 44.1   | 25.9   | 46.5   | 48.2   | 16.9   |
| 85°   | 0.4    | 0.8    | 12.8   | 15.6   | 19.8   | 14.4   | 7.8    | 18.5   | 16.1   | 5.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 2.1    | 2.5    | 3.3    | 2.5    | 2.1    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1609.5 | 0°    | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 | 1609.5 |
| 1613.2 | 2.5°  | 1583.5 | 1525.0 | 1468.2 | 1421.7 | 1394.5 | 1348.4 | 1317.9 | 1312.9 | 1300.2 | 1311.3 |
| 1617.3 | 5°    | 1553.1 | 1448.4 | 1342.6 | 1247.9 | 1170.0 | 1069.6 | 994.6  | 962.9  | 935.3  | 944.8  |
| 1628.0 | 7.5°  | 1538.6 | 1373.5 | 1208.8 | 1046.9 | 880.5  | 719.9  | 600.5  | 550.6  | 512.7  | 518.1  |
| 1640.0 | 10°   | 1519.3 | 1295.7 | 1037.4 | 790.3  | 567.5  | 409.0  | 326.6  | 296.1  | 279.2  | 279.6  |
| 1657.7 | 12.5° | 1504.5 | 1202.6 | 838.5  | 535.8  | 345.5  | 261.1  | 235.6  | 228.2  | 223.2  | 223.6  |
| 1684.4 | 15°   | 1497.0 | 1093.0 | 642.1  | 357.1  | 247.1  | 221.2  | 215.0  | 211.7  | 208.4  | 208.0  |
| 1714.1 | 17.5° | 1484.7 | 971.1  | 469.9  | 260.7  | 216.2  | 207.2  | 201.8  | 198.1  | 194.0  | 193.2  |
| 1739.6 | 20°   | 1466.2 | 832.7  | 343.5  | 220.3  | 202.6  | 195.6  | 188.2  | 183.3  | 178.3  | 177.5  |
| 1755.7 | 22.5° | 1432.0 | 686.5  | 264.0  | 203.9  | 192.7  | 184.9  | 175.9  | 170.1  | 165.1  | 164.3  |
| 1747.9 | 25°   | 1368.5 | 549.4  | 222.4  | 193.6  | 184.1  | 174.6  | 164.7  | 156.9  | 152.4  | 151.6  |
| 1731.0 | 27.5° | 1288.2 | 431.6  | 201.8  | 184.1  | 173.0  | 164.3  | 153.2  | 145.8  | 141.7  | 140.8  |
| 1708.7 | 30°   | 1193.5 | 332.4  | 189.9  | 173.4  | 159.8  | 152.4  | 142.5  | 136.3  | 133.8  | 133.8  |
| 1693.1 | 32.5° | 1091.4 | 265.6  | 184.9  | 162.7  | 148.3  | 140.0  | 132.2  | 129.7  | 128.9  | 128.5  |
| 1701.7 | 35°   | 995.4  | 230.6  | 182.4  | 154.0  | 138.0  | 130.1  | 126.8  | 127.3  | 128.9  | 128.9  |
| 1728.5 | 37.5° | 910.2  | 219.5  | 181.2  | 147.9  | 128.9  | 121.9  | 124.0  | 127.7  | 126.0  | 126.0  |
| 1775.4 | 40°   | 833.2  | 220.7  | 180.4  | 143.3  | 121.5  | 117.4  | 121.5  | 118.6  | 114.5  | 114.1  |
| 1832.7 | 42.5° | 774.3  | 231.0  | 178.7  | 139.6  | 117.0  | 114.1  | 112.4  | 107.9  | 107.5  | 108.3  |
| 1892.0 | 45°   | 731.4  | 240.1  | 178.3  | 138.0  | 112.0  | 106.7  | 104.6  | 100.1  | 108.3  | 110.4  |
| 1916.3 | 47.5° | 680.8  | 240.1  | 178.3  | 132.2  | 103.8  | 101.7  | 98.4   | 93.5   | 101.7  | 103.8  |
| 1893.2 | 50°   | 615.3  | 224.9  | 171.3  | 125.6  | 97.2   | 96.0   | 90.2   | 84.0   | 82.4   | 83.6   |
| 1839.3 | 52.5° | 532.5  | 197.3  | 153.6  | 116.6  | 90.6   | 88.1   | 81.1   | 76.6   | 75.4   | 75.4   |
| 1742.5 | 55°   | 438.2  | 165.1  | 129.7  | 103.4  | 83.6   | 79.1   | 74.1   | 72.1   | 70.8   | 70.0   |
| 1607.0 | 57.5° | 356.2  | 135.5  | 104.2  | 91.8   | 77.0   | 71.2   | 69.6   | 67.1   | 65.1   | 63.8   |
| 1493.7 | 60°   | 292.4  | 106.7  | 86.1   | 81.5   | 70.4   | 65.1   | 64.7   | 61.4   | 56.0   | 55.2   |
| 1400.3 | 62.5° | 225.7  | 78.2   | 72.5   | 70.8   | 63.8   | 59.3   | 58.5   | 51.9   | 43.7   | 42.0   |
| 1267.6 | 65°   | 159.4  | 61.0   | 58.5   | 62.2   | 56.8   | 52.7   | 50.7   | 40.8   | 32.1   | 30.9   |
| 1060.9 | 67.5° | 112.0  | 51.1   | 46.1   | 54.4   | 49.4   | 44.1   | 42.8   | 34.6   | 26.8   | 25.9   |
| 802.3  | 70°   | 79.9   | 41.6   | 37.9   | 46.5   | 39.5   | 38.7   | 36.2   | 28.8   | 21.8   | 21.0   |
| 397.0  | 72.5° | 56.4   | 31.7   | 29.2   | 40.4   | 27.2   | 33.4   | 29.7   | 22.2   | 16.5   | 15.6   |
| 135.1  | 75°   | 41.6   | 22.7   | 20.6   | 23.5   | 19.8   | 25.1   | 21.0   | 14.8   | 10.3   | 9.9    |
| 61.0   | 77.5° | 30.5   | 14.4   | 12.4   | 11.5   | 11.5   | 15.6   | 11.5   | 6.2    | 4.5    | 4.1    |
| 30.9   | 80°   | 21.4   | 6.6    | 5.8    | 4.9    | 4.5    | 3.7    | 1.6    | 0.8    | 0.4    | 0.4    |
| 10.7   | 82.5° | 12.8   | 2.9    | 2.9    | 2.1    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 4.1    | 85°   | 2.9    | 1.2    | 1.2    | 0.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 1.6    | 87.5° | 0.4    | 0.4    | 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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