

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: P946575

Luminaire Tested: **GLAN-SB2A-940-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946575  
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-SB2A-940-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

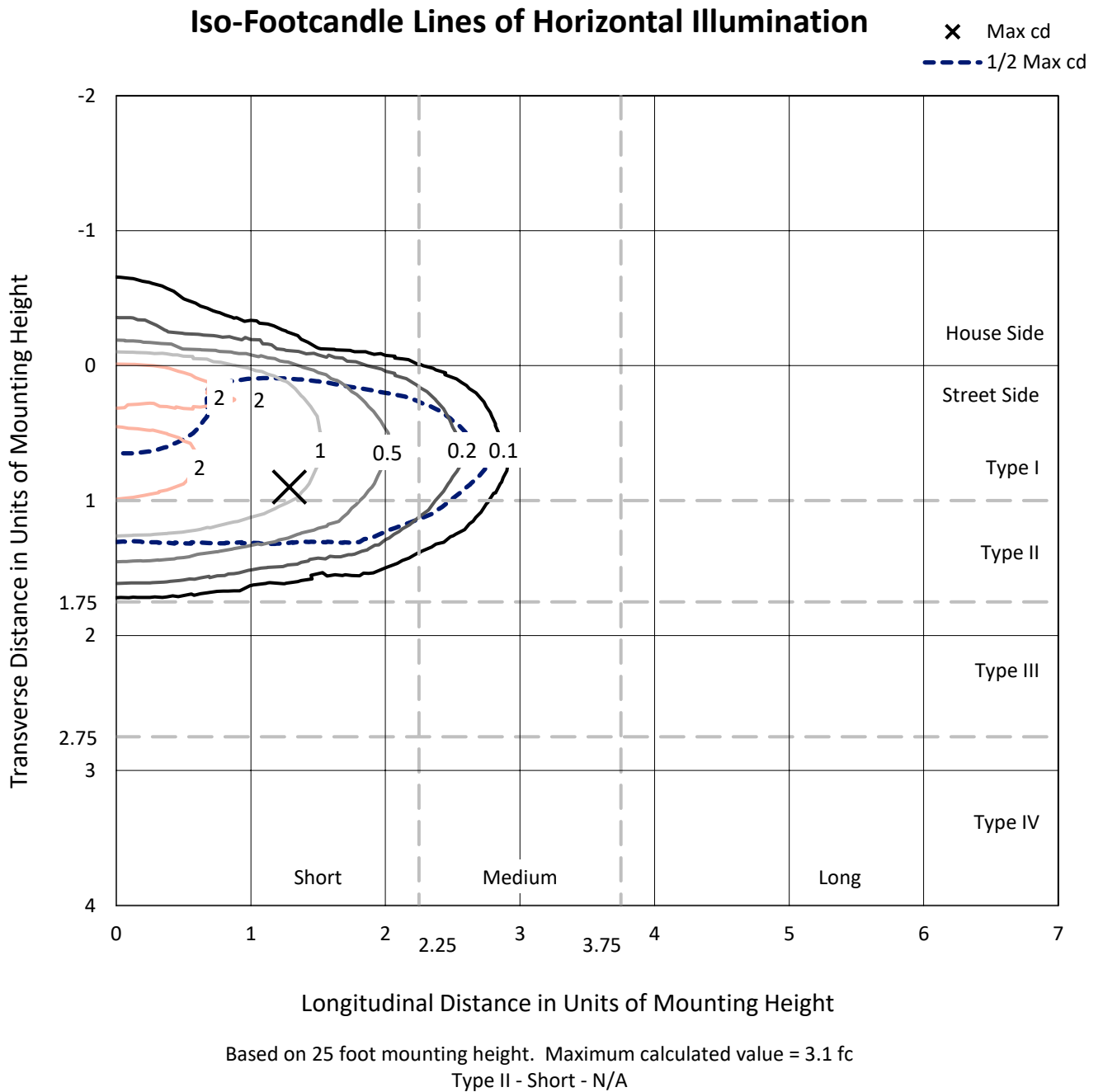
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5543 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

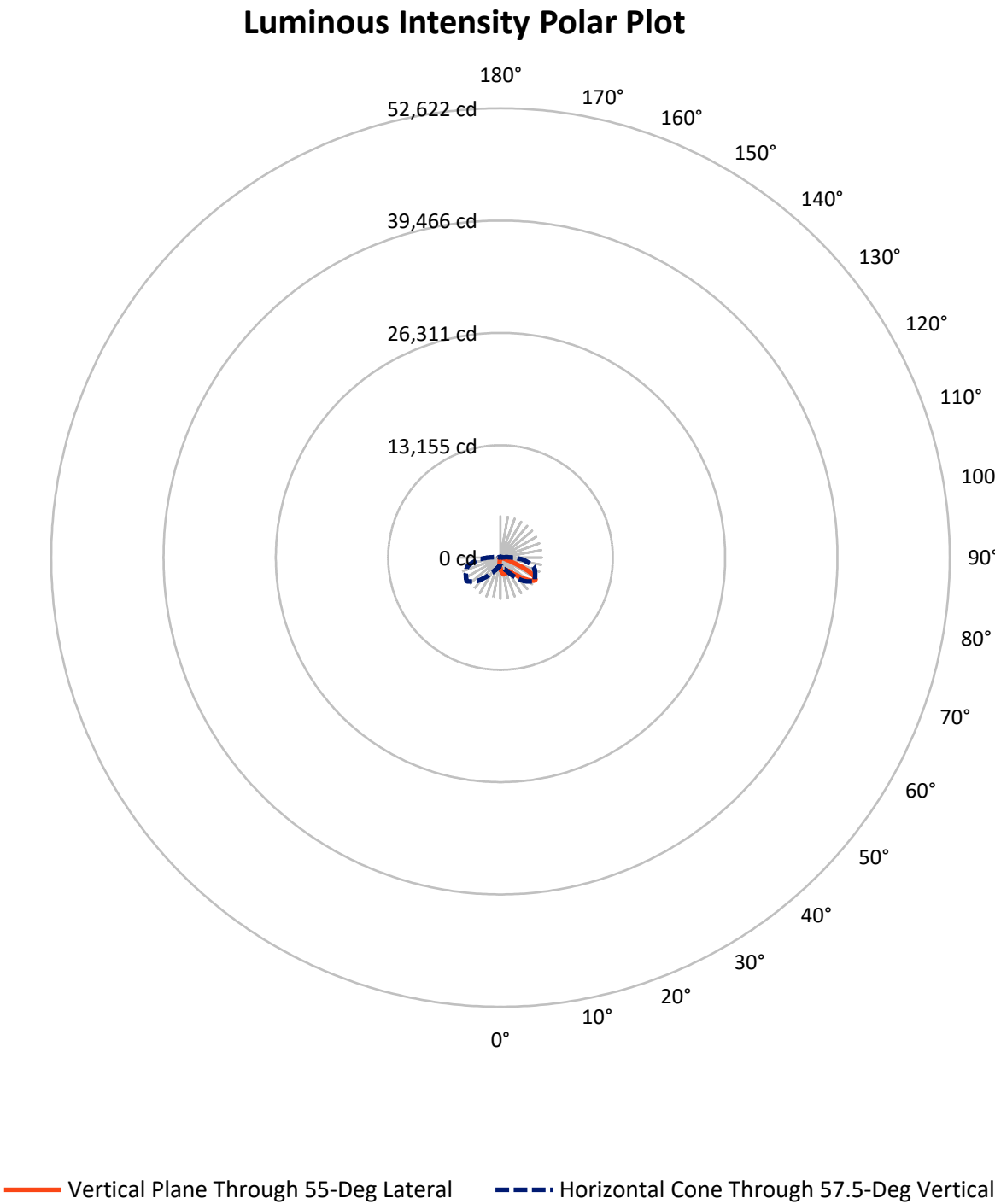
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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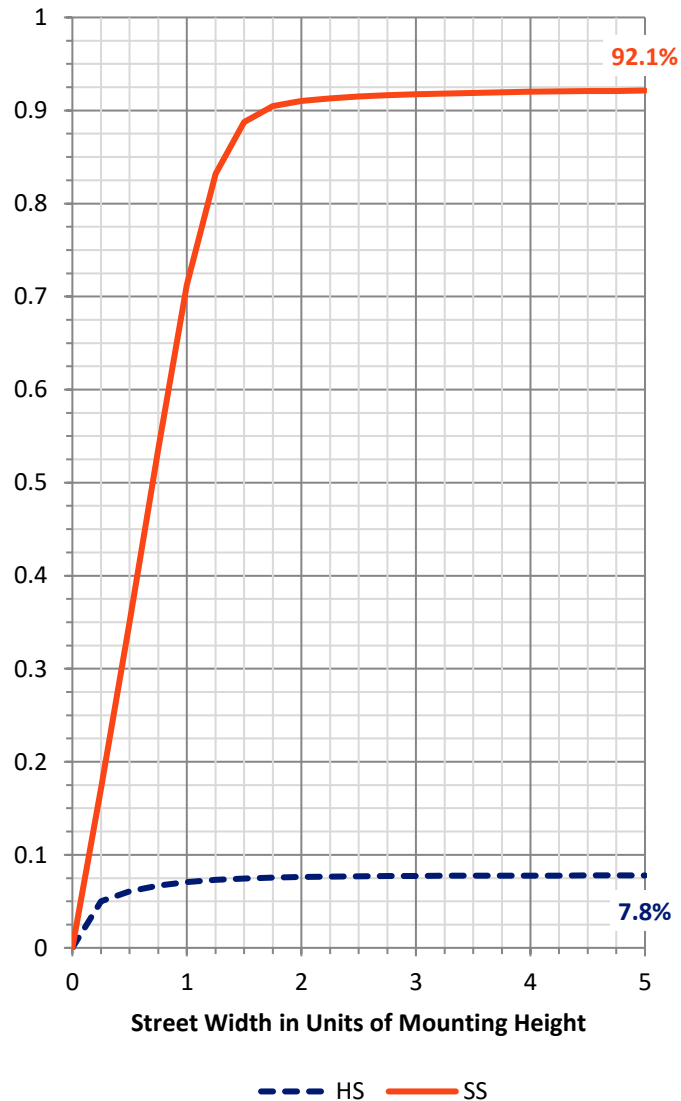
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 432.9    | 0.0    | 432.9  |
|                    | % Fixture | 7.8      | 0.0    | 7.8    |
| <b>Street Side</b> | Lumens    | 5110.1   | 0.0    | 5110.1 |
|                    | % Fixture | 92.2     | 0.0    | 92.2   |
| <b>Total</b>       | Lumens    | 5543.0   | 0.0    | 5543.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 124.3  | 2.2       |
| 10°-20°   | 300.2  | 5.4       |
| 20°-30°   | 480.3  | 8.7       |
| 30°-40°   | 813.0  | 14.7      |
| 40°-50°   | 1334.7 | 24.1      |
| 50°-60°   | 1467.0 | 26.5      |
| 60°-70°   | 841.4  | 15.2      |
| 70°-80°   | 171.9  | 3.1       |
| 80°-90°   | 10.1   | 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°    | 5543.0 | 100.0     |
| 0°-180°   | 5543.0 | 100.0     |

**Coefficient of Utilization**



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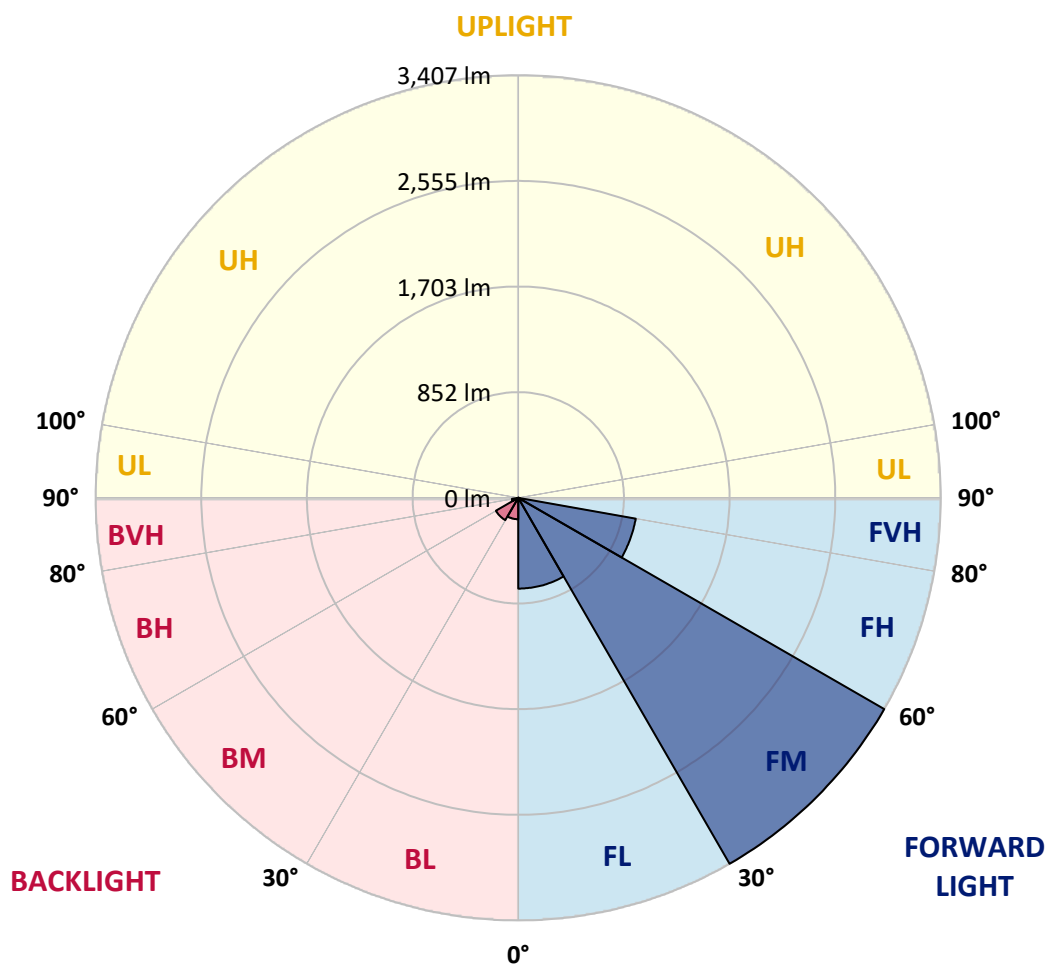
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 732.0  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 3406.8 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 961.9  | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.5    | 0.2       |                         |      | G0/10   |
| BL   | (0°-30°)    | 172.8  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 207.9  | 3.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 51.5   | 0.9       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.7    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 |
| 2.5°  | 1657.4 | 1636.5 | 1633.4 | 1629.3 | 1589.7 | 1559.9 | 1516.9 | 1469.7 | 1416.7 | 1362.7 |
| 5°    | 1914.7 | 1898.3 | 1895.2 | 1876.1 | 1831.0 | 1780.4 | 1703.8 | 1607.1 | 1508.3 | 1392.1 |
| 7.5°  | 1964.6 | 1961.5 | 1975.6 | 1974.9 | 1968.7 | 1928.7 | 1864.1 | 1749.0 | 1600.6 | 1428.4 |
| 10°   | 1742.1 | 1750.0 | 1791.7 | 1828.2 | 1927.0 | 1984.4 | 1970.4 | 1875.4 | 1695.6 | 1469.7 |
| 12.5° | 1539.4 | 1530.2 | 1559.9 | 1601.3 | 1716.1 | 1887.0 | 2014.5 | 1981.0 | 1804.3 | 1516.5 |
| 15°   | 1412.3 | 1408.5 | 1425.3 | 1444.4 | 1531.9 | 1704.2 | 1963.3 | 2066.8 | 1908.9 | 1571.9 |
| 17.5° | 1371.6 | 1368.5 | 1373.7 | 1378.5 | 1435.2 | 1568.5 | 1841.2 | 2119.5 | 2009.1 | 1635.1 |
| 20°   | 1404.8 | 1400.7 | 1400.0 | 1396.2 | 1419.8 | 1510.7 | 1730.8 | 2123.2 | 2098.9 | 1692.6 |
| 22.5° | 1501.5 | 1496.7 | 1480.0 | 1464.9 | 1467.0 | 1518.6 | 1681.6 | 2085.6 | 2166.6 | 1746.2 |
| 25°   | 1676.8 | 1669.0 | 1634.1 | 1583.5 | 1551.4 | 1573.3 | 1689.1 | 2036.1 | 2231.2 | 1788.3 |
| 27.5° | 1896.3 | 1886.0 | 1841.2 | 1766.0 | 1692.6 | 1665.9 | 1743.5 | 2001.9 | 2284.9 | 1820.4 |
| 30°   | 2111.3 | 2097.9 | 2053.8 | 1995.4 | 1888.1 | 1804.0 | 1841.6 | 2016.9 | 2348.8 | 1853.9 |
| 32.5° | 2343.3 | 2330.7 | 2272.2 | 2199.8 | 2110.9 | 1997.8 | 1975.9 | 2090.4 | 2427.1 | 1900.7 |
| 35°   | 2636.9 | 2617.1 | 2534.1 | 2435.3 | 2340.9 | 2226.4 | 2157.7 | 2217.2 | 2531.3 | 1972.1 |
| 37.5° | 2971.2 | 2944.5 | 2855.0 | 2718.6 | 2595.6 | 2467.4 | 2379.2 | 2391.5 | 2684.1 | 2067.8 |
| 40°   | 3286.3 | 3262.1 | 3179.4 | 3050.8 | 2896.4 | 2740.8 | 2646.8 | 2619.5 | 2895.0 | 2184.4 |
| 42.5° | 3475.3 | 3453.5 | 3418.6 | 3364.3 | 3234.0 | 3075.5 | 2956.8 | 2897.7 | 3144.5 | 2323.8 |
| 45°   | 3485.9 | 3466.8 | 3513.6 | 3576.9 | 3551.2 | 3445.6 | 3301.0 | 3192.7 | 3395.0 | 2454.8 |
| 47.5° | 3316.4 | 3303.4 | 3445.6 | 3666.4 | 3776.5 | 3820.9 | 3687.6 | 3463.0 | 3601.8 | 2548.7 |
| 50°   | 2854.3 | 2849.5 | 3142.1 | 3547.5 | 3862.3 | 4149.7 | 4095.4 | 3714.6 | 3762.1 | 2597.3 |
| 52.5° | 2474.9 | 2457.5 | 2628.0 | 3166.7 | 3737.5 | 4322.7 | 4493.9 | 3961.4 | 3874.2 | 2606.5 |
| 55°   | 1877.1 | 1861.7 | 2075.7 | 2529.6 | 3335.2 | 4261.1 | 4785.4 | 4216.0 | 3954.5 | 2582.9 |
| 57.5° | 1006.9 | 997.4  | 1267.7 | 1683.7 | 2607.2 | 3892.0 | 4838.1 | 4485.3 | 4022.2 | 2520.4 |
| 60°   | 392.0  | 390.3  | 491.5  | 816.9  | 1584.6 | 3166.4 | 4572.5 | 4647.0 | 4064.6 | 2443.5 |
| 62.5° | 237.2  | 242.3  | 258.7  | 366.7  | 700.0  | 1967.0 | 3960.4 | 4463.1 | 4093.0 | 2373.1 |
| 65°   | 196.2  | 196.5  | 198.6  | 251.9  | 335.3  | 823.0  | 2981.5 | 3858.2 | 4022.9 | 2247.6 |
| 67.5° | 168.2  | 171.2  | 179.1  | 199.9  | 236.5  | 360.9  | 1716.5 | 2988.6 | 3596.7 | 1955.7 |
| 70°   | 132.6  | 136.7  | 146.6  | 164.4  | 182.5  | 225.9  | 634.4  | 1988.6 | 2747.7 | 1474.2 |
| 72.5° | 111.8  | 111.4  | 116.6  | 133.6  | 144.9  | 158.9  | 244.0  | 1114.2 | 1596.9 | 703.8  |
| 75°   | 86.5   | 89.9   | 96.4   | 111.8  | 118.6  | 115.2  | 132.3  | 407.1  | 572.2  | 213.3  |
| 77.5° | 67.7   | 70.4   | 76.2   | 91.3   | 98.1   | 81.7   | 76.2   | 145.6  | 183.9  | 76.6   |
| 80°   | 30.4   | 32.8   | 52.0   | 67.3   | 80.0   | 56.4   | 41.4   | 74.5   | 81.7   | 34.9   |
| 82.5° | 5.5    | 9.2    | 30.4   | 35.5   | 41.0   | 36.6   | 21.5   | 38.6   | 40.0   | 14.0   |
| 85°   | 0.3    | 0.7    | 10.6   | 13.0   | 16.4   | 12.0   | 6.5    | 15.4   | 13.3   | 4.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 1.7    | 2.1    | 2.7    | 2.1    | 1.7    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1335.7 | 0°    | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 | 1335.7 |
| 1338.8 | 2.5°  | 1314.2 | 1265.7 | 1218.5 | 1179.9 | 1157.3 | 1119.0 | 1093.7 | 1089.6 | 1079.0 | 1088.3 |
| 1342.2 | 5°    | 1288.9 | 1202.1 | 1114.2 | 1035.6 | 971.0  | 887.6  | 825.4  | 799.1  | 776.2  | 784.1  |
| 1351.1 | 7.5°  | 1276.9 | 1139.9 | 1003.2 | 868.8  | 730.8  | 597.5  | 498.3  | 457.0  | 425.5  | 430.0  |
| 1361.0 | 10°   | 1260.9 | 1075.3 | 861.0  | 655.9  | 471.0  | 339.4  | 271.0  | 245.7  | 231.7  | 232.1  |
| 1375.7 | 12.5° | 1248.6 | 998.0  | 695.9  | 444.7  | 286.8  | 216.7  | 195.5  | 189.4  | 185.3  | 185.6  |
| 1397.9 | 15°   | 1242.4 | 907.1  | 532.9  | 296.3  | 205.1  | 183.5  | 178.4  | 175.7  | 172.9  | 172.6  |
| 1422.5 | 17.5° | 1232.2 | 805.9  | 390.0  | 216.4  | 179.4  | 171.9  | 167.5  | 164.4  | 161.0  | 160.3  |
| 1443.7 | 20°   | 1216.8 | 691.1  | 285.1  | 182.9  | 168.2  | 162.4  | 156.2  | 152.1  | 148.0  | 147.3  |
| 1457.1 | 22.5° | 1188.4 | 569.8  | 219.1  | 169.2  | 160.0  | 153.5  | 145.9  | 141.2  | 137.1  | 136.4  |
| 1450.6 | 25°   | 1135.8 | 456.0  | 184.6  | 160.6  | 152.8  | 144.9  | 136.7  | 130.2  | 126.5  | 125.8  |
| 1436.6 | 27.5° | 1069.1 | 358.2  | 167.5  | 152.8  | 143.6  | 136.4  | 127.1  | 121.0  | 117.6  | 116.9  |
| 1418.1 | 30°   | 990.5  | 275.8  | 157.6  | 143.9  | 132.6  | 126.5  | 118.3  | 113.1  | 111.1  | 111.1  |
| 1405.1 | 32.5° | 905.8  | 220.5  | 153.5  | 135.0  | 123.0  | 116.2  | 109.7  | 107.7  | 107.0  | 106.6  |
| 1412.3 | 35°   | 826.1  | 191.4  | 151.4  | 127.8  | 114.5  | 108.0  | 105.3  | 105.6  | 107.0  | 107.0  |
| 1434.5 | 37.5° | 755.4  | 182.2  | 150.4  | 122.7  | 107.0  | 101.2  | 102.9  | 106.0  | 104.6  | 104.6  |
| 1473.5 | 40°   | 691.4  | 183.2  | 149.7  | 118.9  | 100.8  | 97.4   | 100.8  | 98.4   | 95.0   | 94.7   |
| 1521.0 | 42.5° | 642.6  | 191.7  | 148.3  | 115.9  | 97.1   | 94.7   | 93.3   | 89.5   | 89.2   | 89.9   |
| 1570.2 | 45°   | 607.0  | 199.3  | 148.0  | 114.5  | 93.0   | 88.5   | 86.8   | 83.1   | 89.9   | 91.6   |
| 1590.4 | 47.5° | 565.0  | 199.3  | 148.0  | 109.7  | 86.1   | 84.4   | 81.7   | 77.6   | 84.4   | 86.1   |
| 1571.2 | 50°   | 510.6  | 186.6  | 142.2  | 104.2  | 80.7   | 79.6   | 74.9   | 69.7   | 68.4   | 69.4   |
| 1526.4 | 52.5° | 441.9  | 163.7  | 127.5  | 96.7   | 75.2   | 73.1   | 67.3   | 63.6   | 62.5   | 62.5   |
| 1446.1 | 55°   | 363.7  | 137.1  | 107.7  | 85.8   | 69.4   | 65.6   | 61.5   | 59.8   | 58.8   | 58.1   |
| 1333.7 | 57.5° | 295.7  | 112.4  | 86.5   | 76.2   | 63.9   | 59.1   | 57.8   | 55.7   | 54.0   | 53.0   |
| 1239.7 | 60°   | 242.7  | 88.5   | 71.4   | 67.7   | 58.4   | 54.0   | 53.7   | 50.9   | 46.5   | 45.8   |
| 1162.1 | 62.5° | 187.3  | 64.9   | 60.2   | 58.8   | 53.0   | 49.2   | 48.5   | 43.1   | 36.2   | 34.9   |
| 1052.0 | 65°   | 132.3  | 50.6   | 48.5   | 51.6   | 47.2   | 43.7   | 42.0   | 33.8   | 26.7   | 25.6   |
| 880.5  | 67.5° | 93.0   | 42.4   | 38.3   | 45.1   | 41.0   | 36.6   | 35.5   | 28.7   | 22.2   | 21.5   |
| 665.8  | 70°   | 66.3   | 34.5   | 31.4   | 38.6   | 32.8   | 32.1   | 30.1   | 23.9   | 18.1   | 17.4   |
| 329.5  | 72.5° | 46.8   | 26.3   | 24.3   | 33.5   | 22.6   | 27.7   | 24.6   | 18.5   | 13.7   | 13.0   |
| 112.1  | 75°   | 34.5   | 18.8   | 17.1   | 19.5   | 16.4   | 20.8   | 17.4   | 12.3   | 8.5    | 8.2    |
| 50.6   | 77.5° | 25.3   | 12.0   | 10.3   | 9.6    | 9.6    | 13.0   | 9.6    | 5.1    | 3.8    | 3.4    |
| 25.6   | 80°   | 17.8   | 5.5    | 4.8    | 4.1    | 3.8    | 3.1    | 1.4    | 0.7    | 0.3    | 0.3    |
| 8.9    | 82.5° | 10.6   | 2.4    | 2.4    | 1.7    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 3.4    | 85°   | 2.4    | 1.0    | 1.0    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 1.4    | 87.5° | 0.3    | 0.3    | 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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