

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: P946554

Luminaire Tested: **GLAN-SB2A-935-U-AFL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946554  
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-935-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 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: 5321 lumens  
Efficiency: N/A  
Efficacy: 92.9 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

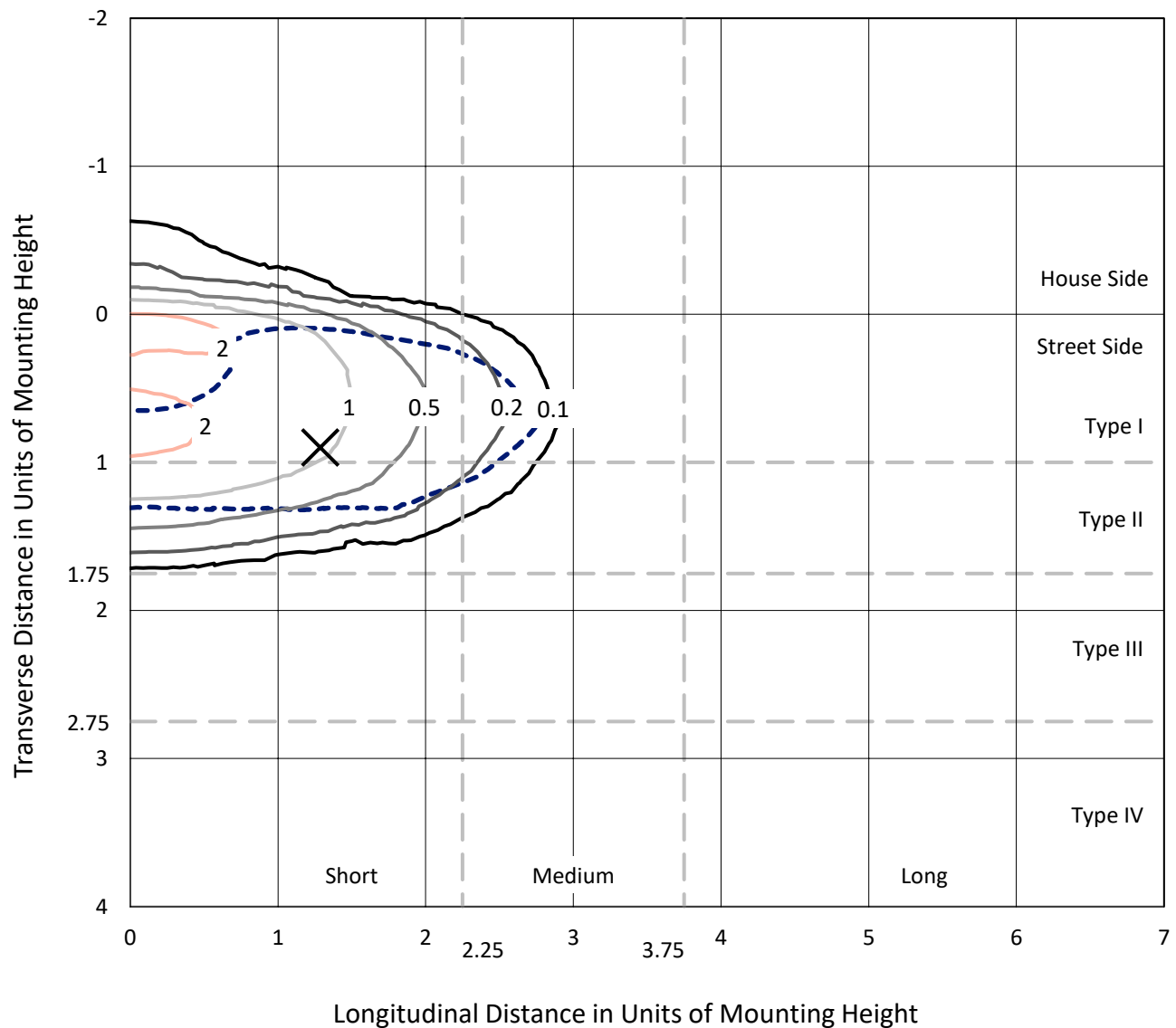


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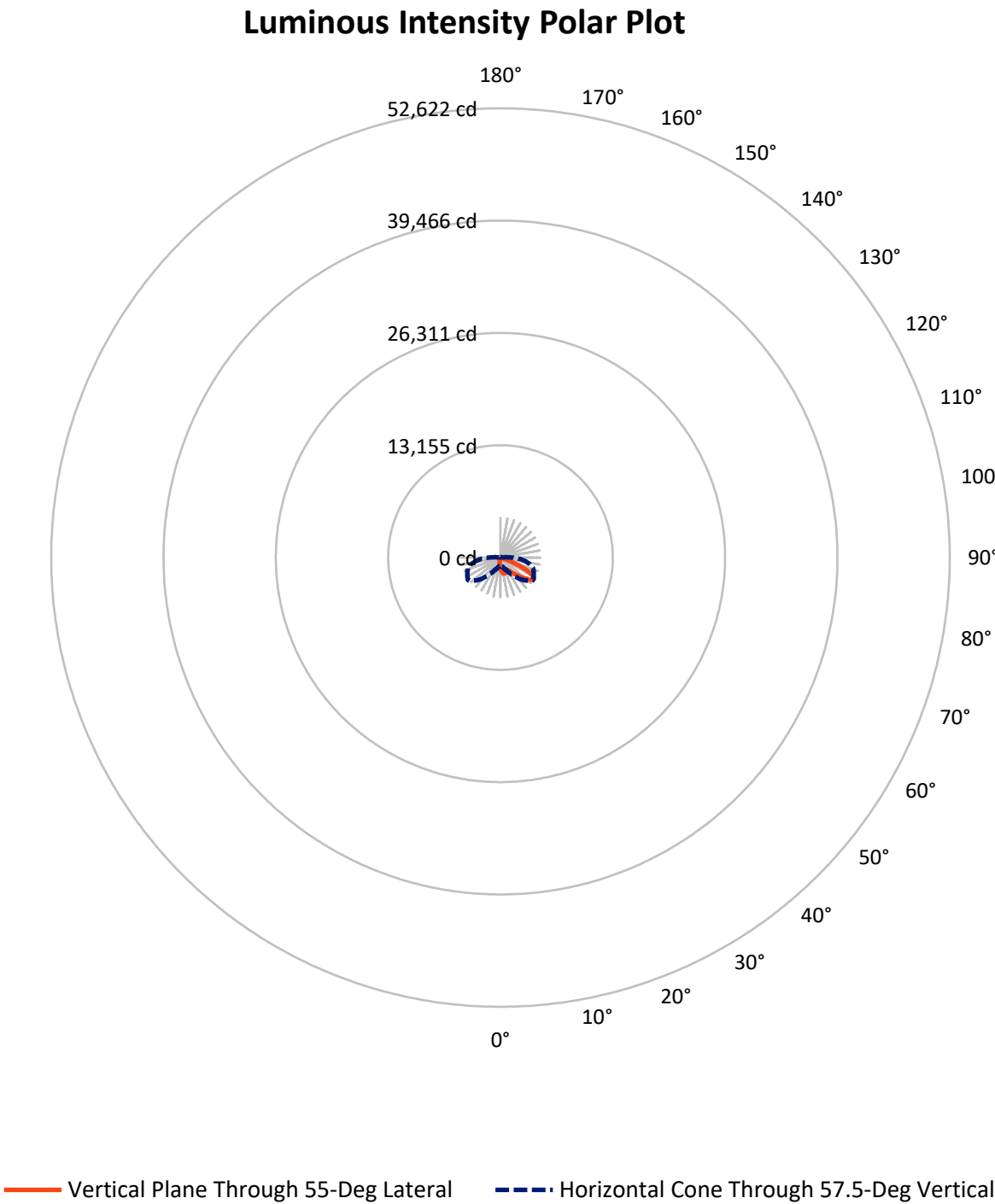
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
Type II - Short - N/A

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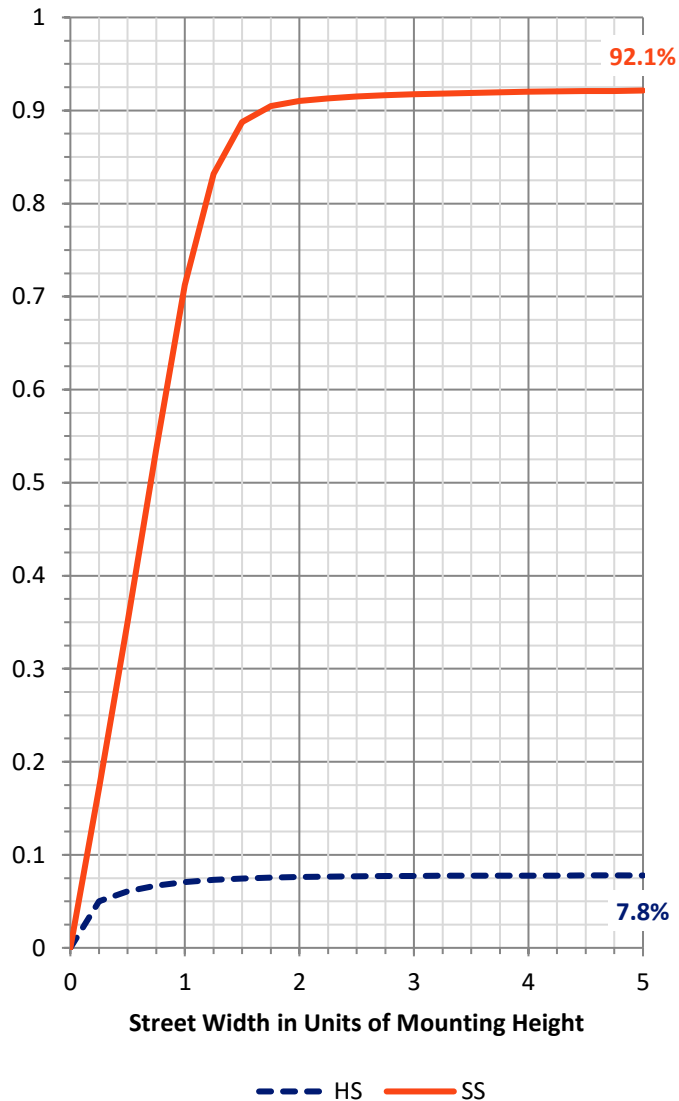
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 415.6    | 0.0    | 415.6  |
|                    | % Fixture | 7.8      | 0.0    | 7.8    |
| <b>Street Side</b> | Lumens    | 4905.5   | 0.0    | 4905.5 |
|                    | % Fixture | 92.2     | 0.0    | 92.2   |
| <b>Total</b>       | Lumens    | 5321.0   | 0.0    | 5321.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 119.3  | 2.2       |
| 10°-20°   | 288.2  | 5.4       |
| 20°-30°   | 461.1  | 8.7       |
| 30°-40°   | 780.4  | 14.7      |
| 40°-50°   | 1281.3 | 24.1      |
| 50°-60°   | 1408.2 | 26.5      |
| 60°-70°   | 807.7  | 15.2      |
| 70°-80°   | 165.1  | 3.1       |
| 80°-90°   | 9.7    | 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°    | 5321.0 | 100.0     |
| 0°-180°   | 5321.0 | 100.0     |

**Coefficient of Utilization**



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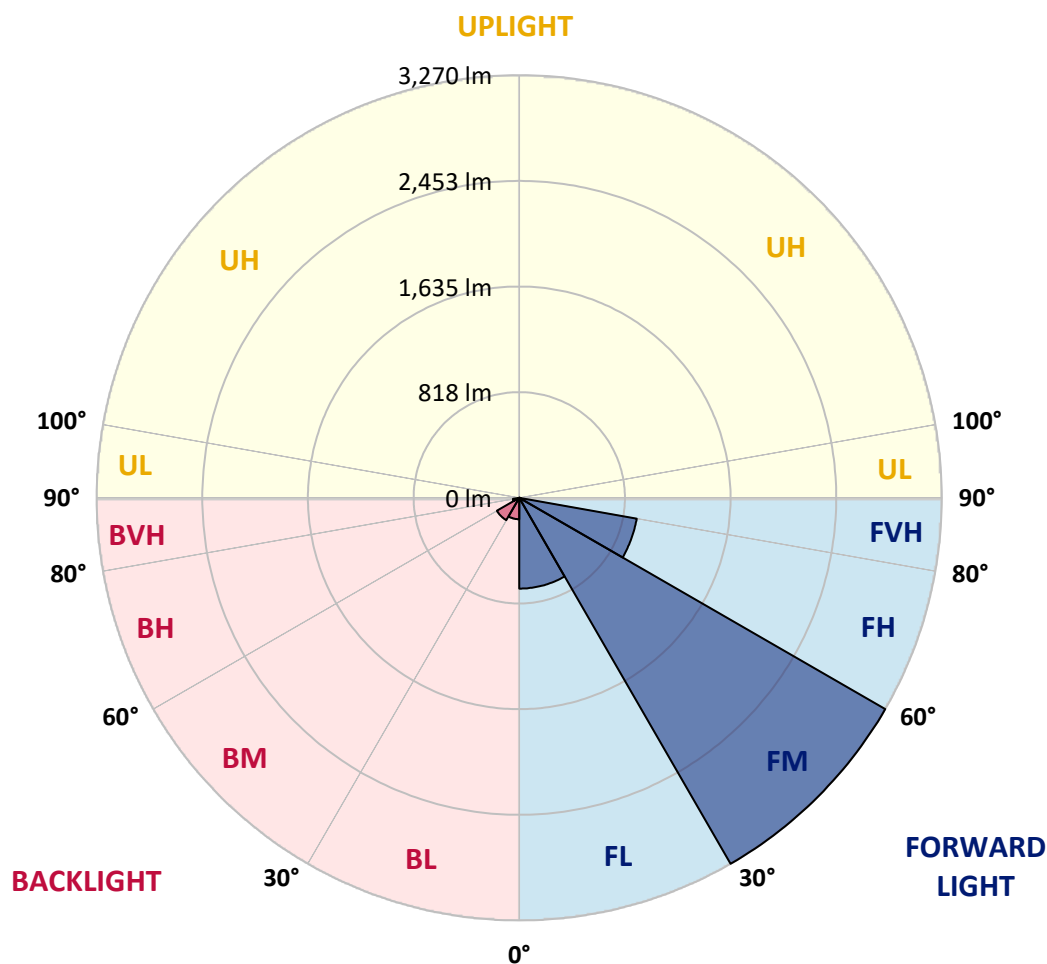
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 702.7  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 3270.3 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 923.4  | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.1    | 0.2       |                         |      | G0/10   |
| BL   | (0°-30°)    | 165.9  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 199.6  | 3.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 49.4   | 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°    | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 |
| 2.5°  | 1591.0 | 1571.0 | 1568.0 | 1564.1 | 1526.0 | 1497.5 | 1456.1 | 1410.8 | 1360.0 | 1308.2 |
| 5°    | 1838.0 | 1822.3 | 1819.3 | 1801.0 | 1757.7 | 1709.1 | 1635.6 | 1542.7 | 1447.9 | 1336.4 |
| 7.5°  | 1885.9 | 1883.0 | 1896.4 | 1895.8 | 1889.9 | 1851.5 | 1789.5 | 1678.9 | 1536.5 | 1371.1 |
| 10°   | 1672.3 | 1679.9 | 1719.9 | 1755.0 | 1849.8 | 1905.0 | 1891.5 | 1800.3 | 1627.7 | 1410.8 |
| 12.5° | 1477.8 | 1468.9 | 1497.5 | 1537.2 | 1647.4 | 1811.5 | 1933.8 | 1901.7 | 1732.1 | 1455.8 |
| 15°   | 1355.7 | 1352.1 | 1368.2 | 1386.6 | 1470.6 | 1635.9 | 1884.6 | 1984.0 | 1832.5 | 1508.9 |
| 17.5° | 1316.7 | 1313.7 | 1318.6 | 1323.2 | 1377.7 | 1505.7 | 1767.5 | 2034.6 | 1928.6 | 1569.6 |
| 20°   | 1348.5 | 1344.6 | 1343.9 | 1340.3 | 1362.9 | 1450.2 | 1661.5 | 2038.2 | 2014.9 | 1624.8 |
| 22.5° | 1441.4 | 1436.8 | 1420.7 | 1406.3 | 1408.2 | 1457.8 | 1614.3 | 2002.1 | 2079.9 | 1676.3 |
| 25°   | 1609.7 | 1602.1 | 1568.7 | 1520.1 | 1489.3 | 1510.3 | 1621.5 | 1954.5 | 2141.9 | 1716.6 |
| 27.5° | 1820.3 | 1810.5 | 1767.5 | 1695.3 | 1624.8 | 1599.2 | 1673.7 | 1921.7 | 2193.4 | 1747.5 |
| 30°   | 2026.7 | 2013.9 | 1971.6 | 1915.5 | 1812.4 | 1731.7 | 1767.8 | 1936.1 | 2254.7 | 1779.6 |
| 32.5° | 2249.5 | 2237.3 | 2181.2 | 2111.7 | 2026.4 | 1917.8 | 1896.8 | 2006.7 | 2329.9 | 1824.6 |
| 35°   | 2531.3 | 2512.3 | 2432.6 | 2337.7 | 2247.2 | 2137.3 | 2071.3 | 2128.4 | 2429.9 | 1893.2 |
| 37.5° | 2852.2 | 2826.6 | 2740.7 | 2609.7 | 2491.6 | 2368.6 | 2283.9 | 2295.7 | 2576.6 | 1985.0 |
| 40°   | 3154.7 | 3131.4 | 3052.0 | 2928.7 | 2780.4 | 2631.1 | 2540.8 | 2514.6 | 2779.0 | 2096.9 |
| 42.5° | 3336.2 | 3315.2 | 3281.7 | 3229.5 | 3104.5 | 2952.3 | 2838.4 | 2781.7 | 3018.6 | 2230.8 |
| 45°   | 3346.3 | 3328.0 | 3372.9 | 3433.6 | 3409.0 | 3307.6 | 3168.8 | 3064.8 | 3259.1 | 2356.4 |
| 47.5° | 3183.6 | 3171.1 | 3307.6 | 3519.6 | 3625.2 | 3667.9 | 3539.9 | 3324.3 | 3457.6 | 2446.7 |
| 50°   | 2740.0 | 2735.4 | 3016.3 | 3405.4 | 3707.6 | 3983.5 | 3931.3 | 3565.8 | 3611.4 | 2493.3 |
| 52.5° | 2375.8 | 2359.1 | 2522.8 | 3039.9 | 3587.8 | 4149.5 | 4313.9 | 3802.7 | 3719.1 | 2502.1 |
| 55°   | 1801.9 | 1787.2 | 1992.6 | 2428.3 | 3201.6 | 4090.5 | 4593.8 | 4047.2 | 3796.2 | 2479.5 |
| 57.5° | 966.6  | 957.4  | 1216.9 | 1616.2 | 2502.8 | 3736.1 | 4644.3 | 4305.7 | 3861.1 | 2419.4 |
| 60°   | 376.3  | 374.7  | 471.8  | 784.2  | 1521.1 | 3039.6 | 4389.4 | 4460.9 | 3901.8 | 2345.6 |
| 62.5° | 227.7  | 232.6  | 248.4  | 352.1  | 672.0  | 1888.2 | 3801.7 | 4284.4 | 3929.0 | 2278.0 |
| 65°   | 188.3  | 188.7  | 190.6  | 241.8  | 321.9  | 790.1  | 2862.0 | 3703.6 | 3861.8 | 2157.6 |
| 67.5° | 161.4  | 164.4  | 171.9  | 191.9  | 227.0  | 346.5  | 1647.7 | 2868.9 | 3452.6 | 1877.4 |
| 70°   | 127.3  | 131.2  | 140.8  | 157.8  | 175.2  | 216.9  | 609.0  | 1908.9 | 2637.6 | 1415.1 |
| 72.5° | 107.3  | 107.0  | 111.9  | 128.3  | 139.1  | 152.6  | 234.3  | 1069.6 | 1532.9 | 675.6  |
| 75°   | 83.0   | 86.3   | 92.5   | 107.3  | 113.9  | 110.6  | 127.0  | 390.8  | 549.2  | 204.7  |
| 77.5° | 65.0   | 67.6   | 73.2   | 87.6   | 94.2   | 78.4   | 73.2   | 139.8  | 176.5  | 73.5   |
| 80°   | 29.2   | 31.5   | 49.9   | 64.6   | 76.8   | 54.1   | 39.7   | 71.5   | 78.4   | 33.5   |
| 82.5° | 5.2    | 8.9    | 29.2   | 34.1   | 39.4   | 35.1   | 20.7   | 37.1   | 38.4   | 13.5   |
| 85°   | 0.3    | 0.7    | 10.2   | 12.5   | 15.7   | 11.5   | 6.2    | 14.8   | 12.8   | 4.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.3    | 0.3    | 1.6    | 2.0    | 2.6    | 2.0    | 1.6    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1282.2 | 0°    | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 |
| 1285.2 | 2.5°  | 1261.6 | 1215.0 | 1169.7 | 1132.6 | 1111.0 | 1074.2 | 1049.9 | 1046.0 | 1035.8 | 1044.7 |
| 1288.5 | 5°    | 1237.3 | 1153.9 | 1069.6 | 994.2  | 932.1  | 852.1  | 792.4  | 767.1  | 745.1  | 752.7  |
| 1297.0 | 7.5°  | 1225.8 | 1094.2 | 963.0  | 834.0  | 701.5  | 573.5  | 478.4  | 438.7  | 408.5  | 412.8  |
| 1306.5 | 10°   | 1210.4 | 1032.2 | 826.5  | 629.6  | 452.1  | 325.8  | 260.2  | 235.9  | 222.5  | 222.8  |
| 1320.6 | 12.5° | 1198.6 | 958.1  | 668.0  | 426.9  | 275.3  | 208.0  | 187.7  | 181.8  | 177.8  | 178.2  |
| 1341.9 | 15°   | 1192.7 | 870.8  | 511.5  | 284.5  | 196.9  | 176.2  | 171.3  | 168.6  | 166.0  | 165.7  |
| 1365.6 | 17.5° | 1182.8 | 773.7  | 374.4  | 207.7  | 172.3  | 165.0  | 160.8  | 157.8  | 154.5  | 153.9  |
| 1385.9 | 20°   | 1168.0 | 663.4  | 273.6  | 175.5  | 161.4  | 155.8  | 149.9  | 146.0  | 142.1  | 141.4  |
| 1398.7 | 22.5° | 1140.8 | 546.9  | 210.3  | 162.4  | 153.6  | 147.3  | 140.1  | 135.5  | 131.6  | 130.9  |
| 1392.5 | 25°   | 1090.3 | 437.7  | 177.2  | 154.2  | 146.7  | 139.1  | 131.2  | 125.0  | 121.4  | 120.7  |
| 1379.0 | 27.5° | 1026.3 | 343.9  | 160.8  | 146.7  | 137.8  | 130.9  | 122.1  | 116.1  | 112.9  | 112.2  |
| 1361.3 | 30°   | 950.8  | 264.8  | 151.3  | 138.1  | 127.3  | 121.4  | 113.5  | 108.6  | 106.6  | 106.6  |
| 1348.8 | 32.5° | 869.5  | 211.6  | 147.3  | 129.6  | 118.1  | 111.6  | 105.3  | 103.4  | 102.7  | 102.4  |
| 1355.7 | 35°   | 793.0  | 183.7  | 145.4  | 122.7  | 109.9  | 103.7  | 101.1  | 101.4  | 102.7  | 102.7  |
| 1377.1 | 37.5° | 725.1  | 174.9  | 144.4  | 117.8  | 102.7  | 97.1   | 98.8   | 101.7  | 100.4  | 100.4  |
| 1414.5 | 40°   | 663.8  | 175.9  | 143.7  | 114.2  | 96.8   | 93.5   | 96.8   | 94.5   | 91.2   | 90.9   |
| 1460.1 | 42.5° | 616.8  | 184.1  | 142.4  | 111.2  | 93.2   | 90.9   | 89.6   | 86.0   | 85.6   | 86.3   |
| 1507.3 | 45°   | 582.7  | 191.3  | 142.1  | 109.9  | 89.2   | 85.0   | 83.3   | 79.7   | 86.3   | 87.9   |
| 1526.7 | 47.5° | 542.4  | 191.3  | 142.1  | 105.3  | 82.7   | 81.0   | 78.4   | 74.5   | 81.0   | 82.7   |
| 1508.3 | 50°   | 490.2  | 179.1  | 136.5  | 100.1  | 77.4   | 76.4   | 71.9   | 66.9   | 65.6   | 66.6   |
| 1465.3 | 52.5° | 424.2  | 157.2  | 122.4  | 92.9   | 72.2   | 70.2   | 64.6   | 61.0   | 60.0   | 60.0   |
| 1388.2 | 55°   | 349.1  | 131.6  | 103.4  | 82.4   | 66.6   | 63.0   | 59.1   | 57.4   | 56.4   | 55.8   |
| 1280.3 | 57.5° | 283.8  | 107.9  | 83.0   | 73.2   | 61.4   | 56.8   | 55.4   | 53.5   | 51.8   | 50.9   |
| 1190.0 | 60°   | 233.0  | 85.0   | 68.6   | 65.0   | 56.1   | 51.8   | 51.5   | 48.9   | 44.6   | 44.0   |
| 1115.6 | 62.5° | 179.8  | 62.3   | 57.7   | 56.4   | 50.9   | 47.2   | 46.6   | 41.3   | 34.8   | 33.5   |
| 1009.9 | 65°   | 127.0  | 48.6   | 46.6   | 49.5   | 45.3   | 42.0   | 40.4   | 32.5   | 25.6   | 24.6   |
| 845.2  | 67.5° | 89.2   | 40.7   | 36.7   | 43.3   | 39.4   | 35.1   | 34.1   | 27.6   | 21.3   | 20.7   |
| 639.1  | 70°   | 63.7   | 33.1   | 30.2   | 37.1   | 31.5   | 30.8   | 28.9   | 23.0   | 17.4   | 16.7   |
| 316.3  | 72.5° | 45.0   | 25.3   | 23.3   | 32.2   | 21.7   | 26.6   | 23.6   | 17.7   | 13.1   | 12.5   |
| 107.6  | 75°   | 33.1   | 18.0   | 16.4   | 18.7   | 15.7   | 20.0   | 16.7   | 11.8   | 8.2    | 7.9    |
| 48.6   | 77.5° | 24.3   | 11.5   | 9.8    | 9.2    | 9.2    | 12.5   | 9.2    | 4.9    | 3.6    | 3.3    |
| 24.6   | 80°   | 17.1   | 5.2    | 4.6    | 3.9    | 3.6    | 3.0    | 1.3    | 0.7    | 0.3    | 0.3    |
| 8.5    | 82.5° | 10.2   | 2.3    | 2.3    | 1.6    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 3.3    | 85°   | 2.3    | 1.0    | 1.0    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 1.3    | 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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