

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: P945675

Luminaire Tested: **GLAN-SB1C-760-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-760-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6424 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

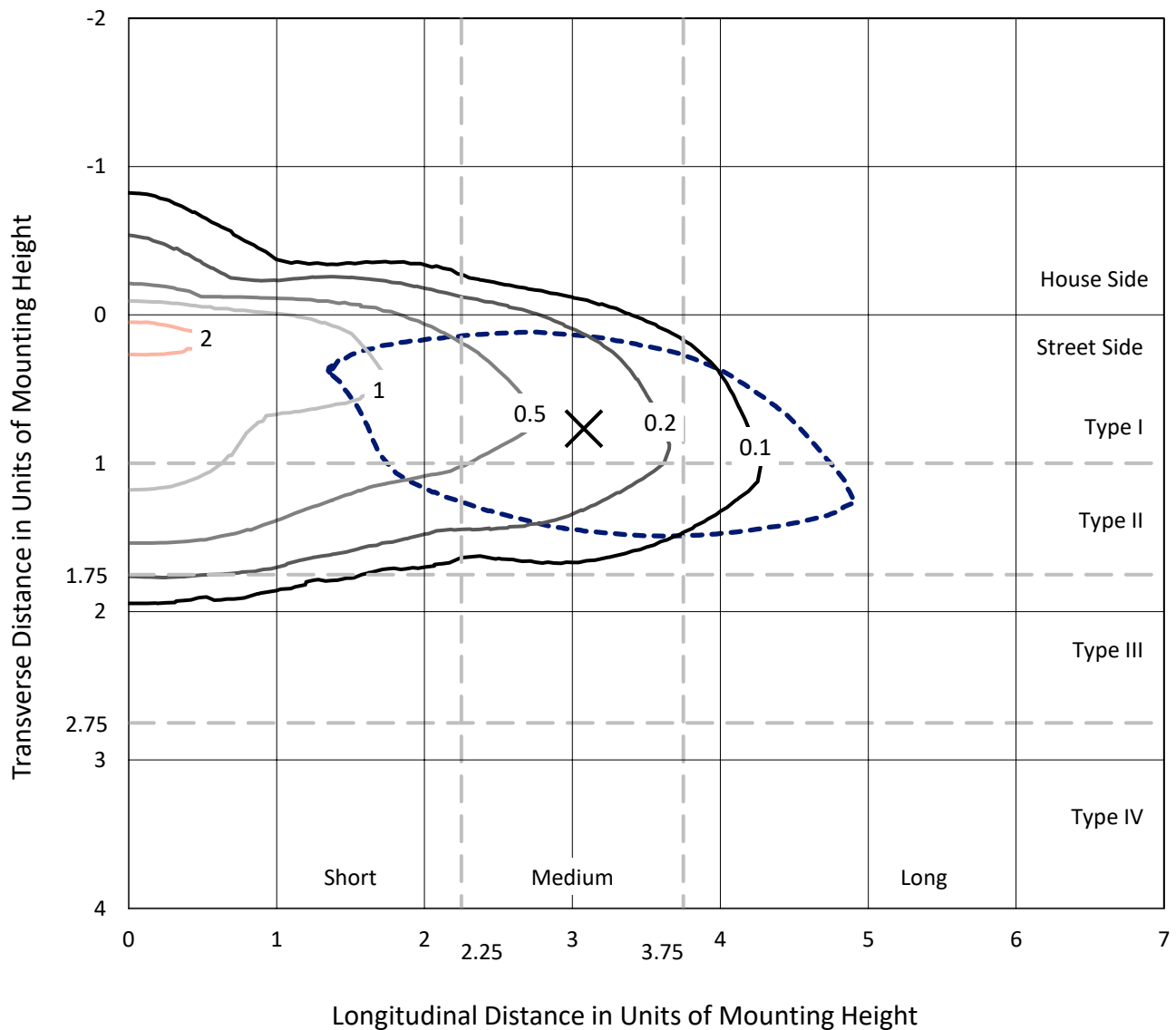
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

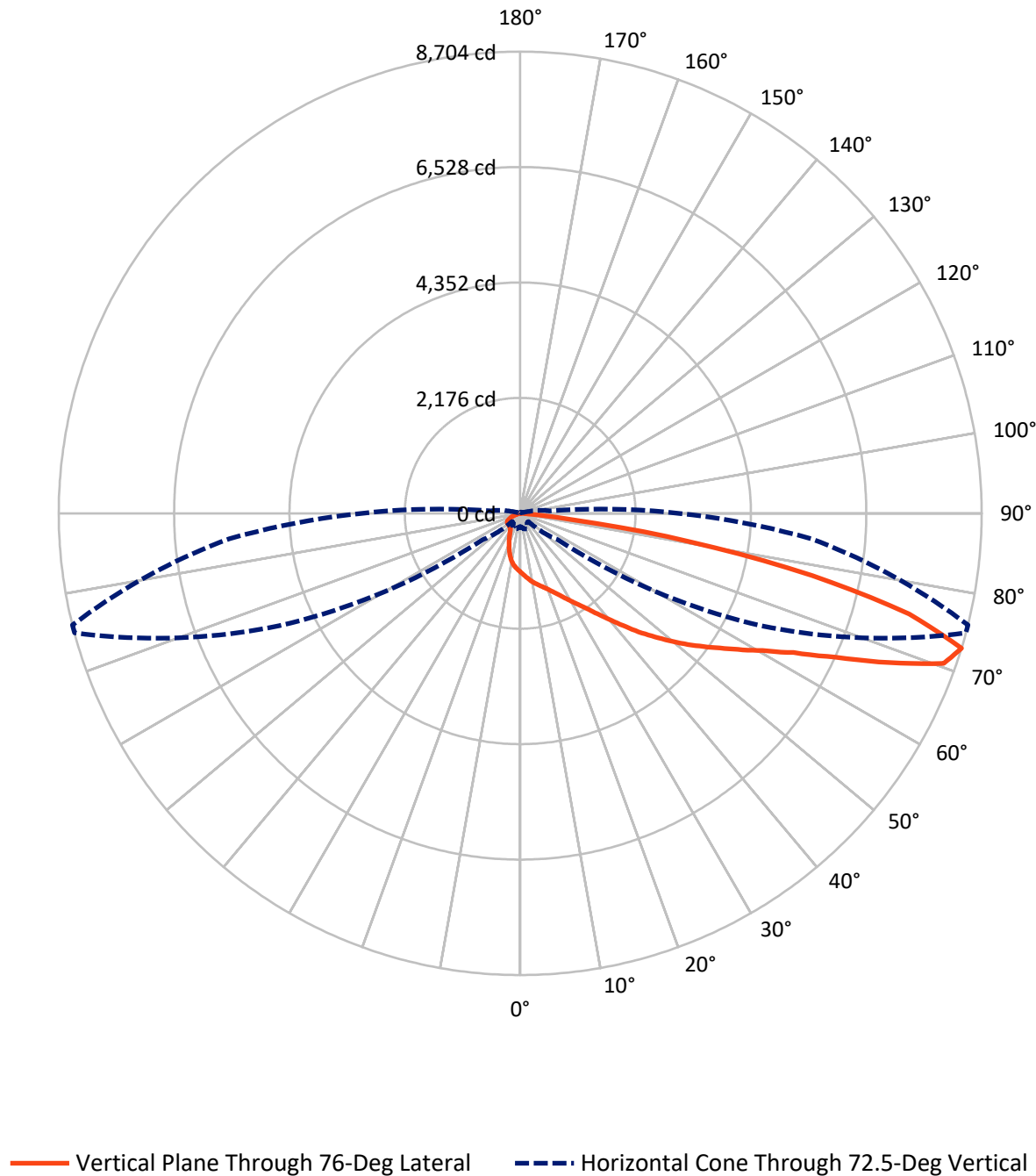
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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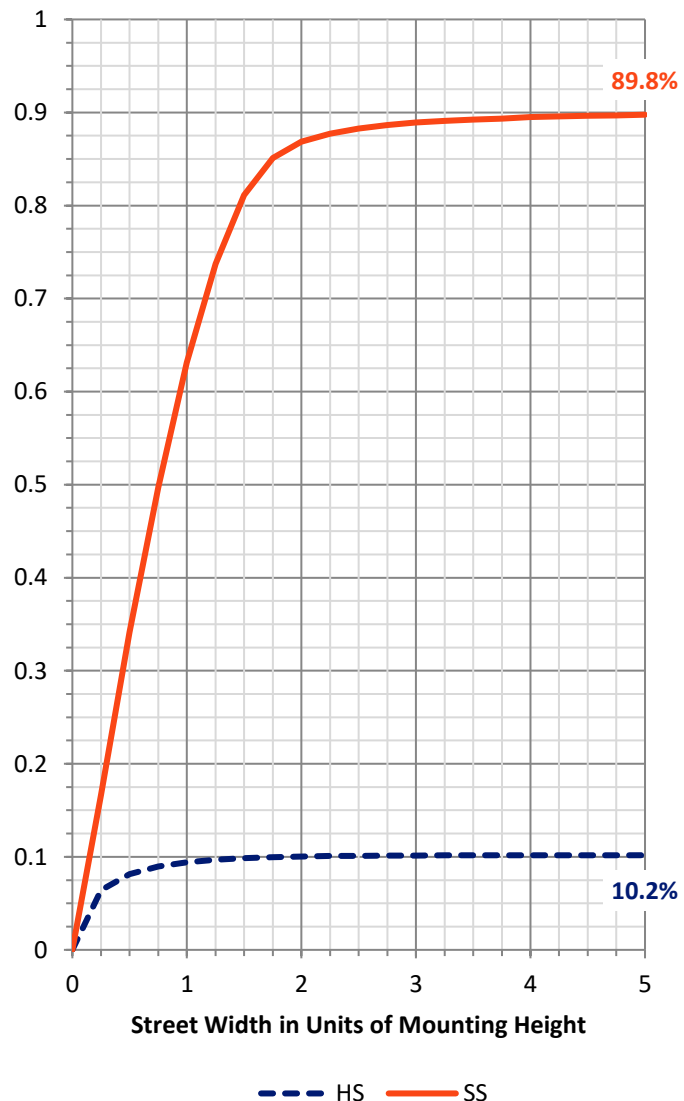
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 657.5    | 0.0    | 657.5  |
|                    | % Fixture | 10.2     | 0.0    | 10.2   |
| <b>Street Side</b> | Lumens    | 5766.5   | 0.0    | 5766.5 |
|                    | % Fixture | 89.8     | 0.0    | 89.8   |
| <b>Total</b>       | Lumens    | 6424.0   | 0.0    | 6424.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.0  | 1.6       |
| 10°-20°   | 270.7  | 4.2       |
| 20°-30°   | 428.5  | 6.7       |
| 30°-40°   | 662.9  | 10.3      |
| 40°-50°   | 1006.9 | 15.7      |
| 50°-60°   | 1388.1 | 21.6      |
| 60°-70°   | 1466.4 | 22.8      |
| 70°-80°   | 1006.0 | 15.7      |
| 80°-90°   | 93.6   | 1.5       |
| 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°    | 6424.0 | 100.0     |
| 0°-180°   | 6424.0 | 100.0     |

**Coefficient of Utilization**



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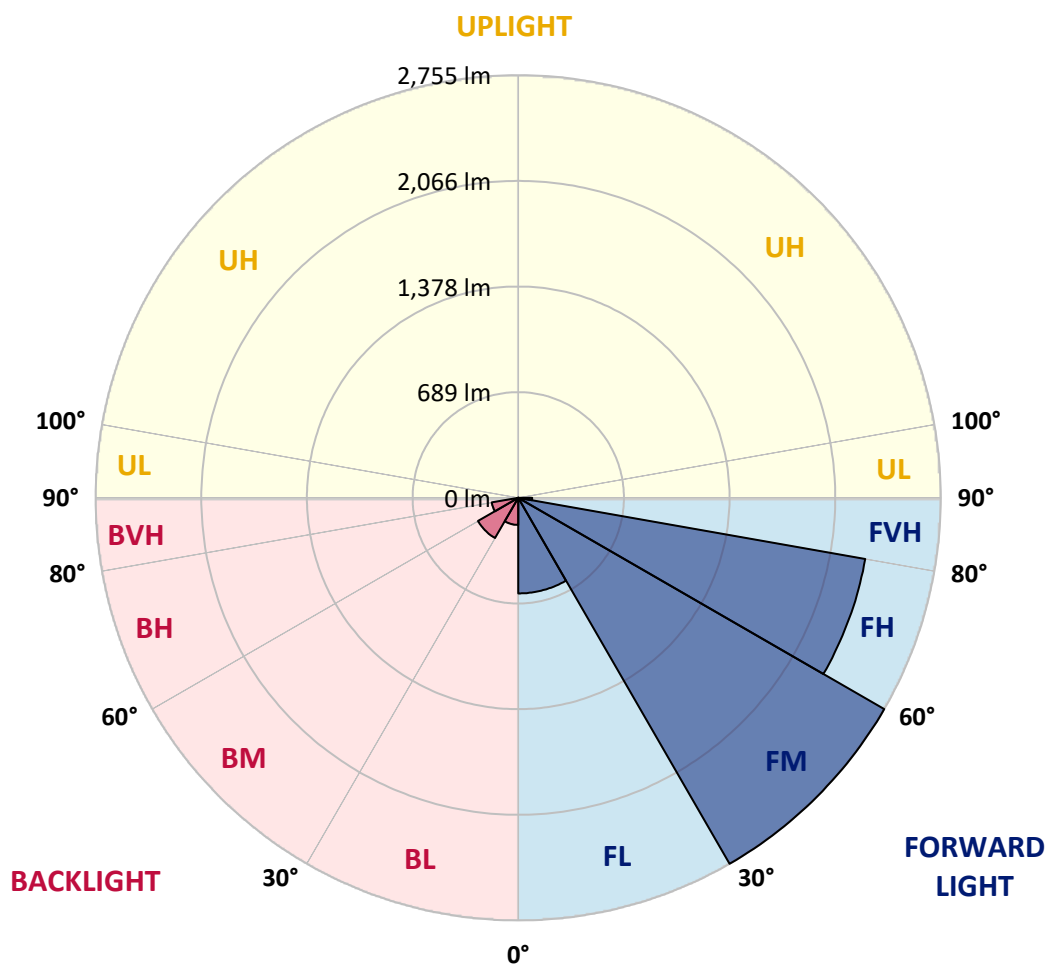
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 623.4  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 2755.1 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 2296.9 | 35.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 91.1   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 176.7  | 2.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 302.7  | 4.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 175.5  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.5    | 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-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 76°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 |
| 2.5°  | 1290.6 | 1273.5 | 1276.8 | 1259.7 | 1251.8 | 1232.6 | 1212.6 | 1186.4 | 1157.2 | 1157.2 |
| 5°    | 1426.4 | 1415.6 | 1415.6 | 1395.6 | 1380.2 | 1350.1 | 1314.3 | 1268.1 | 1213.1 | 1207.6 |
| 7.5°  | 1509.8 | 1503.1 | 1507.3 | 1495.6 | 1483.1 | 1451.8 | 1409.3 | 1348.9 | 1271.0 | 1264.3 |
| 10°   | 1526.0 | 1525.6 | 1537.3 | 1540.6 | 1548.9 | 1533.1 | 1495.2 | 1425.6 | 1328.1 | 1318.5 |
| 12.5° | 1463.1 | 1455.2 | 1483.9 | 1517.7 | 1565.2 | 1586.4 | 1566.8 | 1495.6 | 1380.2 | 1366.8 |
| 15°   | 1359.7 | 1361.4 | 1388.9 | 1441.0 | 1520.2 | 1596.0 | 1621.4 | 1563.9 | 1433.1 | 1417.2 |
| 17.5° | 1300.6 | 1294.3 | 1318.1 | 1364.7 | 1452.2 | 1559.3 | 1646.8 | 1627.7 | 1489.3 | 1471.4 |
| 20°   | 1293.5 | 1293.1 | 1298.5 | 1319.7 | 1386.4 | 1506.8 | 1643.9 | 1689.8 | 1555.6 | 1534.8 |
| 22.5° | 1342.6 | 1341.8 | 1337.2 | 1333.1 | 1351.4 | 1455.6 | 1631.4 | 1748.9 | 1634.8 | 1612.3 |
| 25°   | 1418.1 | 1416.8 | 1409.7 | 1384.3 | 1366.4 | 1428.1 | 1619.8 | 1804.0 | 1728.5 | 1703.5 |
| 27.5° | 1510.2 | 1509.3 | 1496.4 | 1458.1 | 1411.8 | 1430.6 | 1613.9 | 1860.6 | 1836.9 | 1812.3 |
| 30°   | 1623.1 | 1621.4 | 1594.8 | 1540.6 | 1480.2 | 1470.2 | 1621.8 | 1924.4 | 1949.8 | 1931.0 |
| 32.5° | 1764.8 | 1760.2 | 1725.2 | 1643.5 | 1558.9 | 1523.1 | 1636.8 | 1989.8 | 2083.6 | 2066.1 |
| 35°   | 1874.4 | 1867.3 | 1846.9 | 1774.8 | 1650.2 | 1588.1 | 1671.9 | 2067.3 | 2244.4 | 2229.0 |
| 37.5° | 1968.6 | 1961.5 | 1944.8 | 1885.6 | 1781.0 | 1671.0 | 1728.1 | 2170.7 | 2434.4 | 2426.9 |
| 40°   | 2070.2 | 2058.6 | 2050.6 | 1987.3 | 1892.7 | 1790.6 | 1808.5 | 2291.5 | 2653.2 | 2654.0 |
| 42.5° | 2148.6 | 2144.0 | 2144.8 | 2096.1 | 2000.6 | 1932.3 | 1915.2 | 2427.8 | 2915.3 | 2923.2 |
| 45°   | 2215.7 | 2211.9 | 2227.3 | 2193.2 | 2109.4 | 2025.2 | 2040.2 | 2582.0 | 3202.0 | 3218.3 |
| 47.5° | 2267.3 | 2271.5 | 2293.6 | 2271.5 | 2222.3 | 2090.6 | 2151.1 | 2748.2 | 3503.3 | 3505.4 |
| 50°   | 2319.0 | 2320.7 | 2357.3 | 2346.5 | 2326.5 | 2173.6 | 2253.2 | 2934.1 | 3820.8 | 3824.6 |
| 52.5° | 2335.3 | 2332.8 | 2391.1 | 2417.8 | 2418.6 | 2276.1 | 2385.3 | 3136.6 | 4132.1 | 4144.2 |
| 55°   | 2251.9 | 2259.0 | 2353.2 | 2461.5 | 2504.4 | 2417.8 | 2563.6 | 3392.9 | 4463.8 | 4468.8 |
| 57.5° | 1844.4 | 1883.5 | 2091.9 | 2343.2 | 2559.9 | 2620.7 | 2819.9 | 3692.5 | 4846.8 | 4842.2 |
| 60°   | 1119.3 | 1166.0 | 1415.2 | 1965.2 | 2379.0 | 2824.5 | 3197.4 | 4156.7 | 5265.2 | 5252.2 |
| 62.5° | 625.9  | 640.1  | 719.7  | 1176.4 | 1809.4 | 2694.9 | 3566.2 | 4753.0 | 5826.9 | 5783.1 |
| 65°   | 461.3  | 465.9  | 484.6  | 576.3  | 889.3  | 2072.7 | 3485.4 | 5466.0 | 6616.2 | 6538.2 |
| 67.5° | 400.9  | 405.5  | 423.8  | 436.3  | 397.1  | 1088.9 | 2871.6 | 5861.5 | 7618.3 | 7516.3 |
| 70°   | 337.5  | 340.0  | 369.6  | 378.0  | 284.2  | 414.2  | 1844.8 | 5739.4 | 8545.9 | 8473.0 |
| 72.5° | 251.7  | 261.7  | 304.6  | 324.6  | 227.9  | 220.0  | 868.4  | 5018.1 | 8703.0 | 8703.9 |
| 75°   | 170.9  | 180.0  | 229.2  | 267.1  | 175.9  | 154.2  | 350.5  | 3747.1 | 7578.3 | 7578.3 |
| 77.5° | 116.7  | 124.2  | 159.6  | 209.6  | 133.3  | 105.8  | 181.7  | 2378.2 | 5436.9 | 5628.1 |
| 80°   | 51.7   | 56.3   | 102.9  | 152.1  | 101.3  | 68.3   | 102.9  | 1302.2 | 3287.9 | 3247.4 |
| 82.5° | 25.4   | 29.2   | 65.8   | 95.0   | 65.4   | 42.1   | 54.2   | 619.2  | 1065.5 | 1012.6 |
| 85°   | 5.0    | 6.7    | 35.4   | 40.4   | 30.4   | 18.8   | 20.4   | 190.4  | 128.3  | 146.7  |
| 87.5° | 0.0    | 0.0    | 10.8   | 7.5    | 3.3    | 4.2    | 4.2    | 17.1   | 10.0   | 11.7   |
| 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1110.1 | 0°    | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 | 1110.1 |
| 1128.9 | 2.5°  | 1113.9 | 1098.5 | 1064.7 | 1031.4 | 997.2  | 965.9  | 944.3  | 922.6  | 909.3  | 903.4  |
| 1153.9 | 5°    | 1122.6 | 1091.4 | 1020.5 | 946.4  | 873.0  | 801.3  | 747.6  | 697.2  | 681.3  | 655.1  |
| 1183.5 | 7.5°  | 1136.4 | 1085.5 | 973.9  | 848.8  | 729.7  | 624.7  | 548.8  | 488.4  | 464.2  | 440.9  |
| 1208.9 | 10°   | 1145.5 | 1074.7 | 912.2  | 745.1  | 583.8  | 465.9  | 393.4  | 349.6  | 333.8  | 319.6  |
| 1232.6 | 12.5° | 1149.3 | 1054.7 | 841.3  | 628.8  | 454.2  | 355.0  | 311.7  | 291.3  | 285.9  | 280.9  |
| 1255.1 | 15°   | 1152.6 | 1035.1 | 762.2  | 516.7  | 358.8  | 297.1  | 280.0  | 273.4  | 269.6  | 266.3  |
| 1278.1 | 17.5° | 1155.5 | 1010.1 | 671.7  | 420.0  | 303.0  | 273.8  | 265.4  | 258.4  | 255.4  | 251.7  |
| 1311.0 | 20°   | 1165.5 | 985.9  | 590.9  | 346.7  | 272.5  | 257.1  | 247.9  | 240.4  | 237.9  | 235.4  |
| 1357.7 | 22.5° | 1184.3 | 966.4  | 512.6  | 297.1  | 254.2  | 240.0  | 228.4  | 220.0  | 218.4  | 216.7  |
| 1414.3 | 25°   | 1206.8 | 942.2  | 438.8  | 265.0  | 236.3  | 220.4  | 207.5  | 200.4  | 198.8  | 199.2  |
| 1479.7 | 27.5° | 1235.6 | 915.5  | 375.5  | 244.6  | 220.4  | 202.1  | 187.5  | 182.1  | 182.9  | 184.6  |
| 1555.2 | 30°   | 1267.2 | 890.9  | 325.9  | 230.4  | 206.3  | 185.9  | 171.3  | 167.5  | 170.4  | 172.9  |
| 1656.0 | 32.5° | 1314.3 | 869.3  | 291.3  | 219.2  | 193.8  | 172.5  | 160.9  | 156.3  | 159.6  | 162.9  |
| 1784.8 | 35°   | 1378.5 | 858.4  | 271.7  | 209.6  | 182.9  | 162.1  | 150.4  | 147.1  | 150.4  | 151.3  |
| 1941.9 | 37.5° | 1457.2 | 857.6  | 263.4  | 201.7  | 172.9  | 153.4  | 140.4  | 139.2  | 141.7  | 142.1  |
| 2130.7 | 40°   | 1558.9 | 863.0  | 257.1  | 195.9  | 162.5  | 143.3  | 131.3  | 130.0  | 130.8  | 133.8  |
| 2357.8 | 42.5° | 1687.7 | 885.5  | 248.4  | 188.4  | 151.3  | 133.3  | 123.8  | 120.8  | 120.4  | 123.8  |
| 2612.0 | 45°   | 1849.4 | 935.1  | 236.7  | 176.3  | 141.3  | 125.0  | 115.4  | 112.1  | 110.8  | 111.7  |
| 2874.5 | 47.5° | 2025.6 | 995.9  | 225.0  | 165.0  | 134.2  | 118.3  | 108.8  | 104.6  | 102.5  | 102.5  |
| 3119.9 | 50°   | 2196.5 | 1064.7 | 217.1  | 153.4  | 129.2  | 112.1  | 101.7  | 97.5   | 94.2   | 93.3   |
| 3372.5 | 52.5° | 2365.7 | 1132.2 | 210.9  | 141.7  | 123.3  | 104.2  | 95.0   | 90.4   | 86.7   | 85.0   |
| 3622.5 | 55°   | 2519.9 | 1196.4 | 200.0  | 130.4  | 115.8  | 95.8   | 88.3   | 83.8   | 79.2   | 76.3   |
| 3875.8 | 57.5° | 2667.8 | 1249.7 | 180.0  | 118.8  | 104.2  | 87.9   | 81.3   | 76.3   | 70.8   | 67.1   |
| 4132.1 | 60°   | 2802.4 | 1277.2 | 155.0  | 106.3  | 92.5   | 79.6   | 73.3   | 68.8   | 61.7   | 55.4   |
| 4384.2 | 62.5° | 2904.9 | 1266.4 | 127.9  | 92.1   | 80.4   | 72.1   | 64.2   | 59.6   | 51.3   | 43.8   |
| 4686.4 | 65°   | 3009.9 | 1207.2 | 102.1  | 77.1   | 70.4   | 62.1   | 53.8   | 49.2   | 39.6   | 31.7   |
| 5095.1 | 67.5° | 3146.2 | 1081.0 | 80.4   | 64.2   | 60.8   | 49.2   | 42.1   | 39.2   | 32.5   | 25.0   |
| 5533.9 | 70°   | 3233.7 | 839.7  | 62.5   | 52.1   | 50.0   | 35.8   | 32.5   | 32.1   | 25.8   | 19.2   |
| 5504.4 | 72.5° | 2993.7 | 550.5  | 47.9   | 39.6   | 35.8   | 23.3   | 25.0   | 25.0   | 18.8   | 12.9   |
| 4825.1 | 75°   | 2499.0 | 322.1  | 34.6   | 28.3   | 20.4   | 15.0   | 17.1   | 17.1   | 11.7   | 6.3    |
| 3439.1 | 77.5° | 1784.8 | 171.7  | 22.9   | 17.5   | 10.4   | 6.7    | 9.2    | 8.8    | 3.8    | 0.4    |
| 1348.1 | 80°   | 682.6  | 59.2   | 10.8   | 7.1    | 2.9    | 1.3    | 0.8    | 0.4    | 0.4    | 0.0    |
| 210.4  | 82.5° | 104.2  | 15.4   | 2.1    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 44.6   | 85°   | 18.8   | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.7   | 87.5° | 4.2    | 0.0    | 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°   |
|--------|
| 1110.1 |
| 904.3  |
| 656.7  |
| 440.5  |
| 319.2  |
| 280.9  |
| 266.3  |
| 251.7  |
| 235.9  |
| 215.4  |
| 198.4  |
| 183.8  |
| 172.1  |
| 162.1  |
| 150.9  |
| 141.3  |
| 133.3  |
| 123.3  |
| 112.9  |
| 102.5  |
| 92.9   |
| 84.2   |
| 75.0   |
| 65.4   |
| 53.8   |
| 40.8   |
| 29.6   |
| 23.3   |
| 17.1   |
| 11.3   |
| 5.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |