

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: P939562

Luminaire Tested: **GLAN-SB2B-722-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9221 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
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



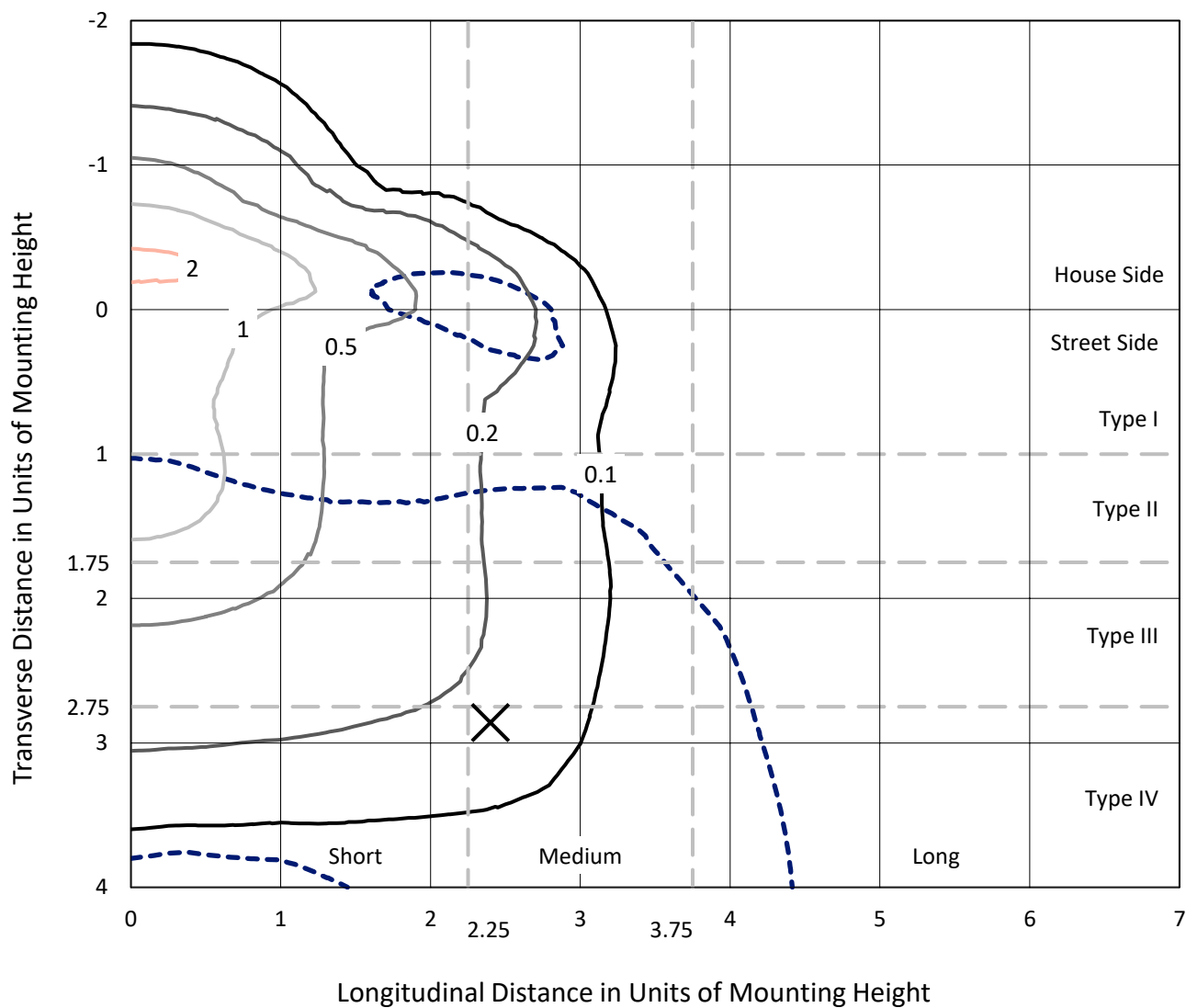
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

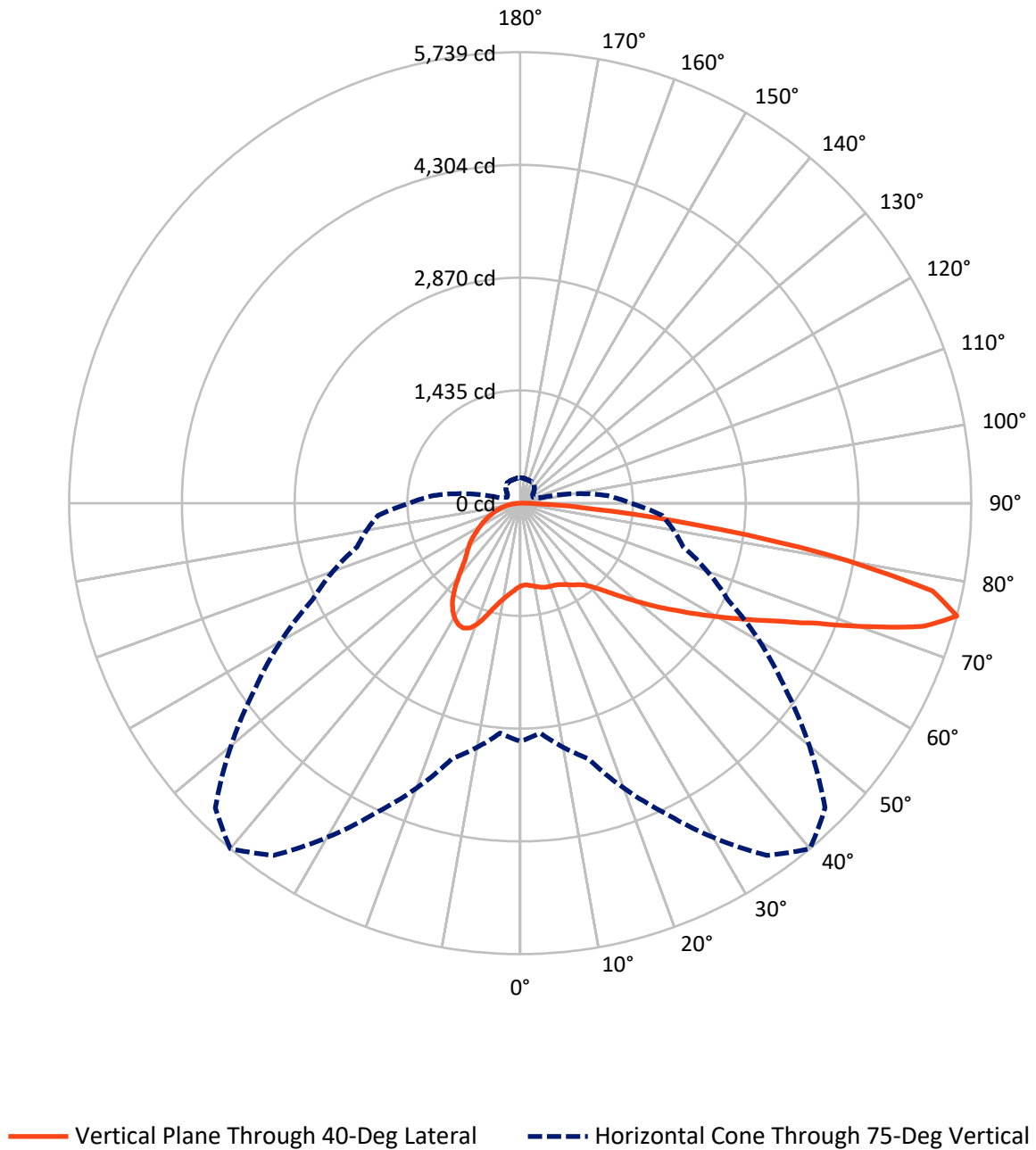


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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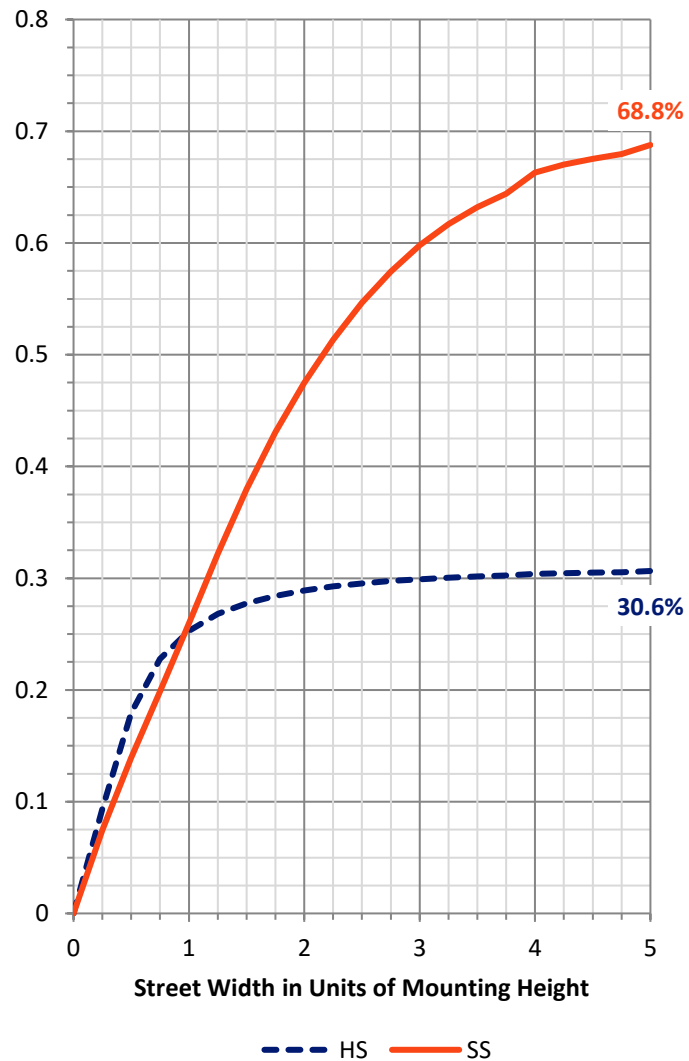
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2857.0   | 0.0    | 2857.0 |
|                    | % Fixture | 31.0     | 0.0    | 31.0   |
| <b>Street Side</b> | Lumens    | 6364.0   | 0.0    | 6364.0 |
|                    | % Fixture | 69.0     | 0.0    | 69.0   |
| <b>Total</b>       | Lumens    | 9221.0   | 0.0    | 9221.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.3  | 1.1       |
| 10°-20°   | 353.4  | 3.8       |
| 20°-30°   | 645.2  | 7.0       |
| 30°-40°   | 915.1  | 9.9       |
| 40°-50°   | 1235.7 | 13.4      |
| 50°-60°   | 1662.4 | 18.0      |
| 60°-70°   | 2109.9 | 22.9      |
| 70°-80°   | 1914.9 | 20.8      |
| 80°-90°   | 279.1  | 3.0       |
| 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°    | 9221.0 | 100.0     |
| 0°-180°   | 9221.0 | 100.0     |

**Coefficient of Utilization**



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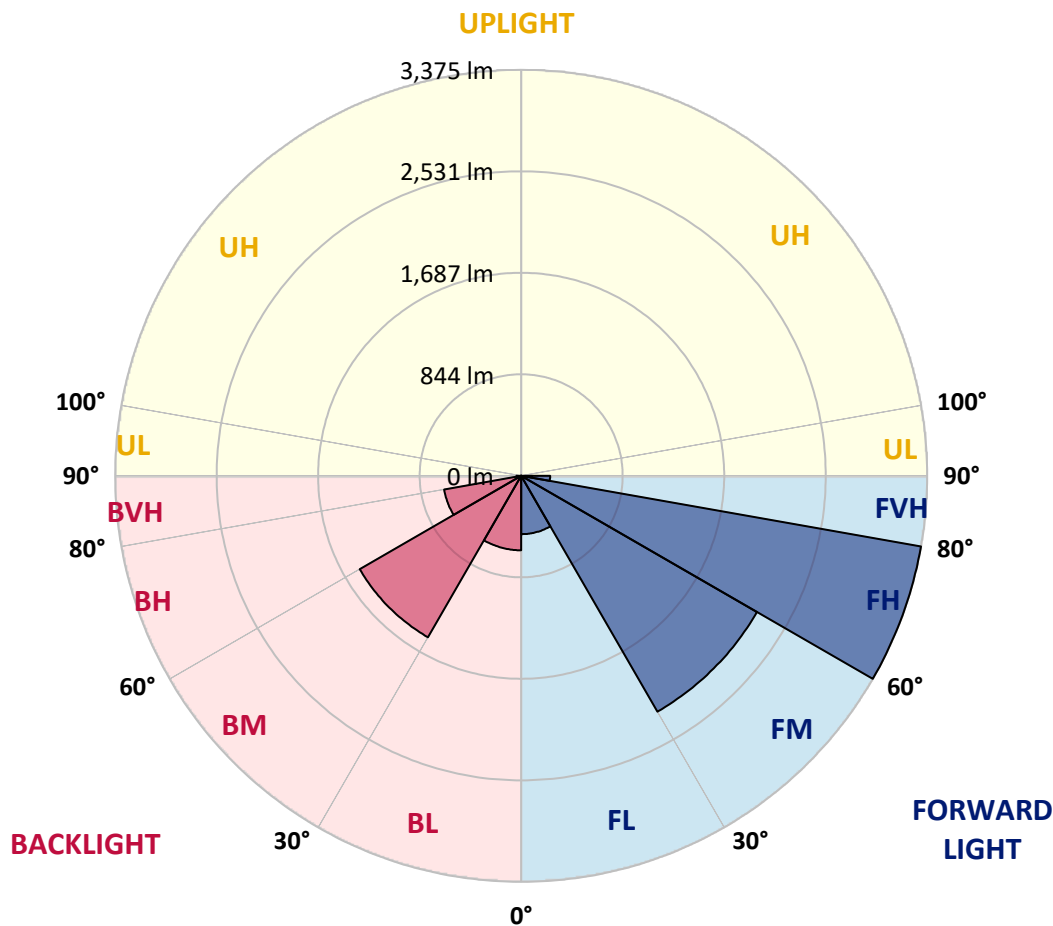
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 485.0  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 2263.5 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 3374.7 | 36.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 240.7  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 618.8  | 6.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1549.7 | 16.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 650.0  | 7.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 38.4   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 |
| 2.5°  | 1038.3 | 1044.2 | 1042.7 | 1040.7 | 1040.7 | 1041.2 | 1040.7 | 1044.2 | 1047.6 | 1051.0 |
| 5°    | 1049.1 | 1054.9 | 1052.0 | 1049.5 | 1047.6 | 1047.1 | 1045.6 | 1045.1 | 1047.1 | 1051.5 |
| 7.5°  | 1070.1 | 1076.0 | 1071.6 | 1067.1 | 1063.2 | 1061.3 | 1059.3 | 1056.4 | 1054.9 | 1057.4 |
| 10°   | 1093.6 | 1099.4 | 1094.0 | 1086.2 | 1079.9 | 1077.4 | 1075.5 | 1072.5 | 1070.6 | 1072.0 |
| 12.5° | 1117.0 | 1122.9 | 1115.6 | 1104.8 | 1096.5 | 1095.0 | 1092.6 | 1091.6 | 1091.1 | 1090.6 |
| 15°   | 1139.0 | 1143.9 | 1134.6 | 1121.9 | 1113.1 | 1110.7 | 1108.2 | 1109.7 | 1112.1 | 1115.1 |
| 17.5° | 1156.2 | 1161.1 | 1147.4 | 1130.7 | 1122.4 | 1121.4 | 1120.0 | 1124.9 | 1131.7 | 1139.0 |
| 20°   | 1171.8 | 1176.7 | 1159.1 | 1136.6 | 1126.8 | 1126.8 | 1127.3 | 1137.6 | 1147.4 | 1158.1 |
| 22.5° | 1193.8 | 1197.7 | 1176.2 | 1145.4 | 1131.2 | 1132.2 | 1136.1 | 1146.4 | 1158.6 | 1173.3 |
| 25°   | 1226.6 | 1229.5 | 1203.1 | 1162.0 | 1145.9 | 1148.8 | 1152.2 | 1157.1 | 1168.9 | 1186.0 |
| 27.5° | 1279.4 | 1281.9 | 1247.1 | 1191.4 | 1166.9 | 1171.8 | 1176.7 | 1173.3 | 1178.7 | 1193.3 |
| 30°   | 1353.7 | 1355.2 | 1311.2 | 1237.3 | 1202.6 | 1205.1 | 1206.0 | 1191.9 | 1181.6 | 1193.3 |
| 32.5° | 1441.8 | 1441.3 | 1389.0 | 1293.1 | 1243.2 | 1240.8 | 1232.5 | 1204.6 | 1180.6 | 1190.9 |
| 35°   | 1578.2 | 1572.8 | 1505.4 | 1371.4 | 1289.2 | 1274.0 | 1254.5 | 1218.8 | 1185.5 | 1188.4 |
| 37.5° | 1804.2 | 1787.5 | 1694.1 | 1499.5 | 1357.7 | 1319.0 | 1290.2 | 1241.7 | 1196.3 | 1187.5 |
| 40°   | 2059.0 | 2038.0 | 1935.2 | 1675.1 | 1460.4 | 1398.2 | 1351.8 | 1274.5 | 1213.9 | 1191.9 |
| 42.5° | 2361.2 | 2331.4 | 2220.9 | 1881.9 | 1590.5 | 1500.5 | 1430.5 | 1316.1 | 1239.8 | 1206.0 |
| 45°   | 2732.4 | 2692.8 | 2536.3 | 2115.2 | 1754.3 | 1634.5 | 1541.1 | 1379.2 | 1279.4 | 1233.4 |
| 47.5° | 3107.5 | 3117.3 | 2894.8 | 2382.3 | 1950.9 | 1799.8 | 1679.5 | 1474.1 | 1337.1 | 1277.4 |
| 50°   | 3506.1 | 3513.0 | 3251.3 | 2678.1 | 2173.9 | 1986.6 | 1835.0 | 1580.2 | 1417.3 | 1340.1 |
| 52.5° | 3817.2 | 3818.2 | 3575.1 | 2987.7 | 2406.2 | 2192.0 | 2002.7 | 1701.5 | 1510.2 | 1423.2 |
| 55°   | 4011.8 | 4009.4 | 3802.0 | 3280.7 | 2673.3 | 2407.7 | 2188.6 | 1839.4 | 1623.7 | 1521.0 |
| 57.5° | 4153.2 | 4145.8 | 3958.5 | 3532.5 | 2957.9 | 2662.5 | 2398.9 | 1995.9 | 1757.7 | 1637.4 |
| 60°   | 4207.0 | 4202.6 | 4064.7 | 3750.2 | 3257.2 | 2944.2 | 2641.5 | 2171.0 | 1909.8 | 1774.8 |
| 62.5° | 4227.5 | 4235.8 | 4168.8 | 3961.0 | 3577.5 | 3256.2 | 2908.0 | 2380.3 | 2081.0 | 1930.4 |
| 65°   | 4299.9 | 4315.1 | 4301.4 | 4236.8 | 3939.5 | 3621.6 | 3261.6 | 2629.2 | 2267.8 | 2097.1 |
| 67.5° | 4443.2 | 4458.4 | 4464.2 | 4566.9 | 4381.6 | 4076.9 | 3702.7 | 2939.3 | 2486.4 | 2270.3 |
| 70°   | 4439.8 | 4435.4 | 4539.1 | 4829.6 | 4935.2 | 4707.3 | 4297.5 | 3320.8 | 2747.1 | 2414.0 |
| 72.5° | 4041.2 | 4006.0 | 4251.0 | 4826.6 | 5395.9 | 5365.6 | 5023.7 | 3812.8 | 2972.1 | 2431.7 |
| 75°   | 3031.7 | 2937.8 | 3370.7 | 4349.8 | 5472.7 | 5739.2 | 5485.4 | 4118.0 | 2918.8 | 2148.5 |
| 77.5° | 1296.5 | 1202.1 | 1712.2 | 3220.0 | 4898.0 | 5365.1 | 5061.9 | 3592.7 | 2329.9 | 1420.7 |
| 80°   | 339.4  | 338.9  | 517.4  | 1459.9 | 3331.1 | 3962.0 | 3475.8 | 2320.1 | 1331.2 | 507.7  |
| 82.5° | 140.4  | 136.9  | 190.2  | 567.8  | 1627.6 | 2223.3 | 1814.4 | 1034.9 | 480.8  | 137.4  |
| 85°   | 52.3   | 51.8   | 92.4   | 196.1  | 574.2  | 917.0  | 663.7  | 264.6  | 119.8  | 67.0   |
| 87.5° | 14.7   | 14.2   | 20.1   | 68.0   | 139.9  | 212.3  | 113.5  | 43.5   | 33.7   | 26.4   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1054.4 | 0°    | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 | 1054.4 |
| 1056.4 | 2.5°  | 1057.9 | 1060.3 | 1064.7 | 1068.1 | 1072.5 | 1077.4 | 1084.3 | 1088.7 | 1093.1 | 1096.0 |
| 1058.8 | 5°    | 1062.3 | 1067.6 | 1078.9 | 1090.1 | 1103.3 | 1115.6 | 1129.8 | 1140.0 | 1148.3 | 1150.8 |
| 1067.6 | 7.5°  | 1072.0 | 1080.8 | 1099.9 | 1119.0 | 1140.0 | 1160.1 | 1180.6 | 1198.2 | 1212.4 | 1217.8 |
| 1083.3 | 10°   | 1089.2 | 1100.9 | 1127.8 | 1154.7 | 1182.6 | 1213.4 | 1239.8 | 1265.2 | 1285.3 | 1293.6 |
| 1101.9 | 12.5° | 1110.7 | 1125.3 | 1160.6 | 1197.7 | 1236.4 | 1278.9 | 1313.2 | 1344.5 | 1369.4 | 1380.6 |
| 1127.8 | 15°   | 1138.6 | 1157.6 | 1202.6 | 1252.5 | 1309.2 | 1368.4 | 1411.9 | 1446.7 | 1474.5 | 1488.2 |
| 1154.7 | 17.5° | 1168.9 | 1194.3 | 1251.0 | 1326.4 | 1407.5 | 1485.3 | 1536.2 | 1561.6 | 1590.5 | 1603.7 |
| 1179.6 | 20°   | 1198.2 | 1229.5 | 1310.7 | 1420.3 | 1528.3 | 1611.0 | 1652.1 | 1658.9 | 1660.9 | 1662.3 |
| 1203.1 | 22.5° | 1228.5 | 1270.6 | 1385.5 | 1538.6 | 1654.5 | 1711.7 | 1717.6 | 1688.3 | 1647.2 | 1628.1 |
| 1226.1 | 25°   | 1261.8 | 1317.6 | 1483.3 | 1669.2 | 1763.1 | 1769.9 | 1724.9 | 1653.5 | 1575.8 | 1540.1 |
| 1244.7 | 27.5° | 1294.1 | 1371.8 | 1600.7 | 1793.9 | 1841.3 | 1781.2 | 1684.4 | 1583.1 | 1489.2 | 1451.6 |
| 1257.9 | 30°   | 1326.4 | 1434.0 | 1730.3 | 1903.0 | 1877.0 | 1753.3 | 1620.3 | 1507.3 | 1412.9 | 1373.3 |
| 1269.6 | 32.5° | 1359.1 | 1506.3 | 1879.5 | 1981.7 | 1870.7 | 1694.1 | 1540.6 | 1422.2 | 1339.1 | 1297.5 |
| 1279.9 | 35°   | 1396.3 | 1595.3 | 2020.8 | 2024.7 | 1828.1 | 1607.1 | 1435.4 | 1320.5 | 1248.1 | 1214.8 |
| 1292.1 | 37.5° | 1444.7 | 1708.3 | 2145.5 | 2035.5 | 1753.8 | 1479.4 | 1304.8 | 1200.2 | 1140.5 | 1125.3 |
| 1310.2 | 40°   | 1504.9 | 1844.3 | 2240.9 | 2018.4 | 1643.8 | 1324.4 | 1162.0 | 1078.4 | 1044.7 | 1048.1 |
| 1334.7 | 42.5° | 1583.1 | 1996.4 | 2307.9 | 1974.4 | 1490.7 | 1164.5 | 1036.8 | 999.7  | 1015.8 | 1029.5 |
| 1371.4 | 45°   | 1684.8 | 2154.4 | 2349.5 | 1899.5 | 1317.6 | 1029.0 | 963.0  | 971.8  | 984.0  | 985.5  |
| 1430.5 | 47.5° | 1814.9 | 2314.3 | 2376.9 | 1786.6 | 1141.0 | 933.6  | 916.0  | 918.0  | 915.5  | 905.3  |
| 1519.0 | 50°   | 1977.3 | 2469.8 | 2401.3 | 1636.9 | 990.9  | 874.0  | 850.5  | 843.6  | 809.9  | 776.6  |
| 1636.9 | 52.5° | 2162.2 | 2612.6 | 2411.6 | 1451.1 | 874.0  | 824.1  | 785.9  | 742.9  | 679.8  | 669.5  |
| 1785.1 | 55°   | 2367.6 | 2744.7 | 2385.2 | 1222.7 | 775.7  | 760.0  | 702.3  | 650.5  | 643.6  | 634.8  |
| 1980.2 | 57.5° | 2613.1 | 2887.0 | 2331.4 | 967.9  | 674.9  | 685.2  | 628.9  | 634.8  | 622.6  | 608.9  |
| 2231.1 | 60°   | 2881.6 | 3034.2 | 2237.0 | 735.6  | 570.7  | 591.8  | 609.9  | 609.4  | 606.0  | 594.7  |
| 2495.7 | 62.5° | 3123.2 | 3131.0 | 2051.2 | 563.4  | 479.3  | 519.4  | 568.8  | 568.3  | 565.4  | 559.0  |
| 2772.0 | 65°   | 3267.0 | 3116.4 | 1741.1 | 443.6  | 404.0  | 459.7  | 513.0  | 516.9  | 517.4  | 516.9  |
| 2979.9 | 67.5° | 3241.6 | 2944.7 | 1315.6 | 353.1  | 341.9  | 399.1  | 457.8  | 463.1  | 467.1  | 468.0  |
| 3006.3 | 70°   | 2954.0 | 2567.6 | 857.8  | 281.7  | 286.6  | 345.8  | 405.4  | 410.8  | 414.2  | 418.2  |
| 2608.7 | 72.5° | 2302.5 | 1887.8 | 491.0  | 227.9  | 238.2  | 299.8  | 353.6  | 360.0  | 361.9  | 369.2  |
| 1815.4 | 75°   | 1403.1 | 1110.2 | 265.1  | 179.5  | 195.6  | 256.3  | 302.2  | 309.6  | 313.0  | 321.8  |
| 891.6  | 77.5° | 667.1  | 480.8  | 151.1  | 139.9  | 157.5  | 209.3  | 255.3  | 263.6  | 254.3  | 259.2  |
| 246.0  | 80°   | 225.5  | 178.5  | 95.4   | 106.6  | 120.3  | 163.3  | 204.4  | 212.7  | 193.2  | 192.2  |
| 81.7   | 82.5° | 78.7   | 72.4   | 60.6   | 70.9   | 77.8   | 116.9  | 154.5  | 165.3  | 143.8  | 143.3  |
| 36.7   | 85°   | 30.8   | 29.3   | 33.7   | 38.6   | 46.5   | 71.9   | 101.7  | 107.1  | 88.5   | 71.4   |
| 10.8   | 87.5° | 6.4    | 6.8    | 8.3    | 8.8    | 14.2   | 24.9   | 36.7   | 45.0   | 35.7   | 30.3   |
| 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°   |
|--------|
| 1054.4 |
| 1094.0 |
| 1151.8 |
| 1218.3 |
| 1294.1 |
| 1380.6 |
| 1487.3 |
| 1603.2 |
| 1666.3 |
| 1633.5 |
| 1545.5 |
| 1456.0 |
| 1377.7 |
| 1302.9 |
| 1222.2 |
| 1136.1 |
| 1059.8 |
| 1042.2 |
| 995.3  |
| 913.1  |
| 781.0  |
| 673.0  |
| 636.3  |
| 606.4  |
| 590.8  |
| 556.6  |
| 516.9  |
| 469.0  |
| 420.1  |
| 372.2  |
| 322.8  |
| 255.3  |
| 190.2  |
| 136.5  |
| 70.4   |
| 27.9   |
| 0.0    |

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