

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: P945865

Luminaire Tested: **GLAN-SB1C-940-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5396 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

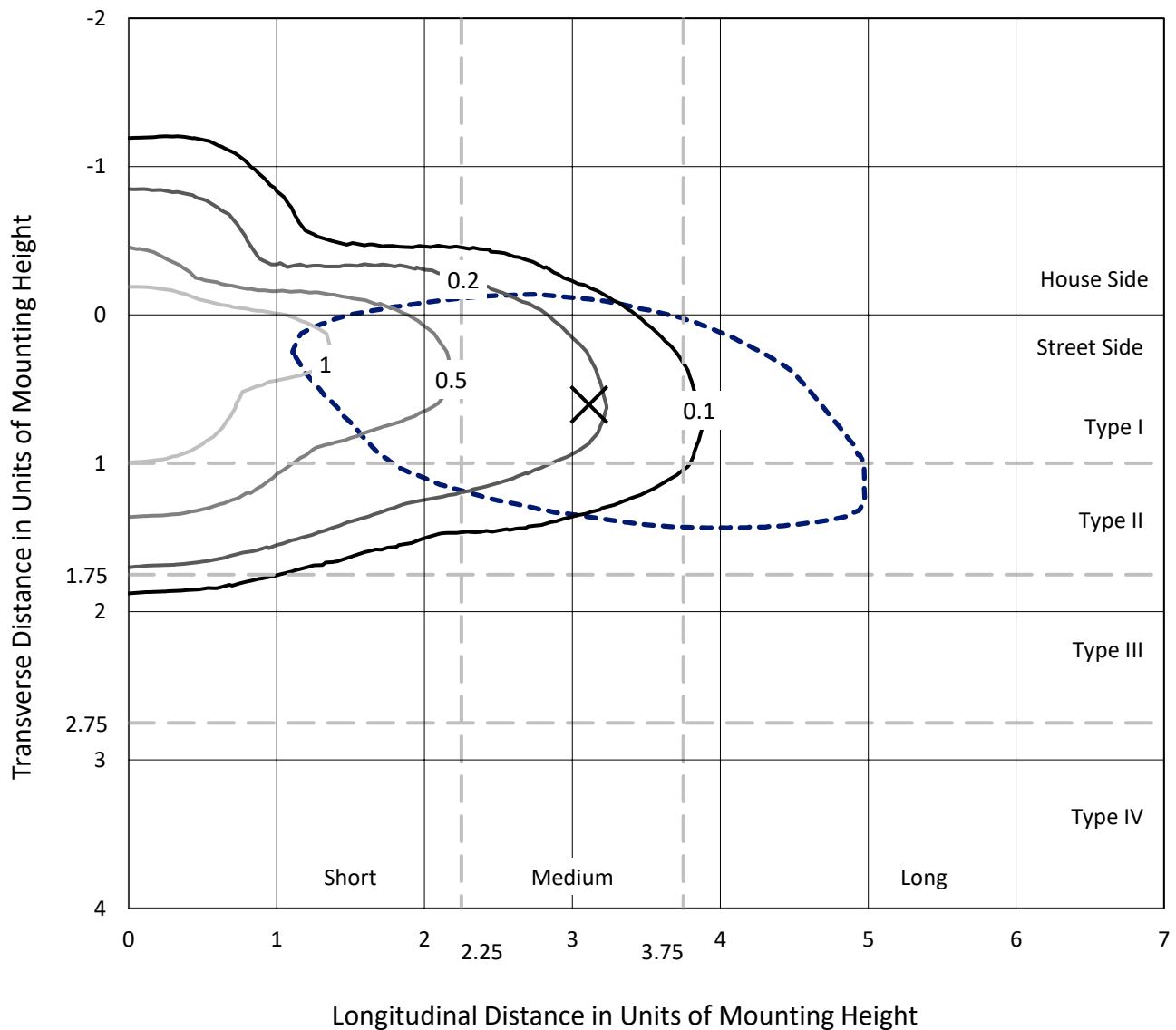
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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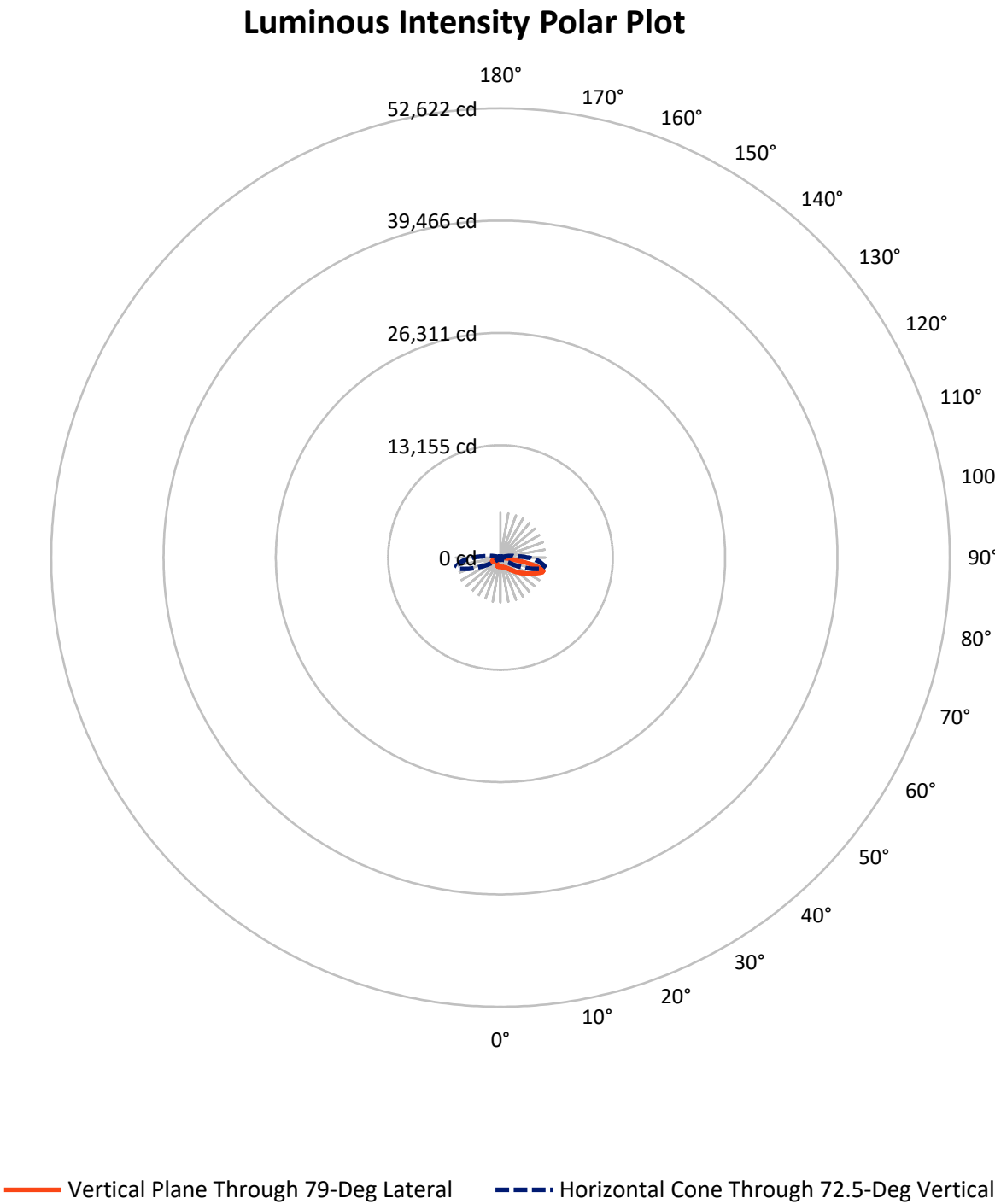
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1187.4   | 0.0    | 1187.4 |
|                    | % Fixture | 22.0     | 0.0    | 22.0   |
| <b>Street Side</b> | Lumens    | 4208.6   | 0.0    | 4208.6 |
|                    | % Fixture | 78.0     | 0.0    | 78.0   |
| <b>Total</b>       | Lumens    | 5396.0   | 0.0    | 5396.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.3   | 1.8       |
| 10°-20°   | 257.1  | 4.8       |
| 20°-30°   | 414.8  | 7.7       |
| 30°-40°   | 622.6  | 11.5      |
| 40°-50°   | 883.1  | 16.4      |
| 50°-60°   | 1115.3 | 20.7      |
| 60°-70°   | 1132.7 | 21.0      |
| 70°-80°   | 772.0  | 14.3      |
| 80°-90°   | 100.2  | 1.9       |
| 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°    | 5396.0 | 100.0     |
| 0°-180°   | 5396.0 | 100.0     |

**Coefficient of Utilization**



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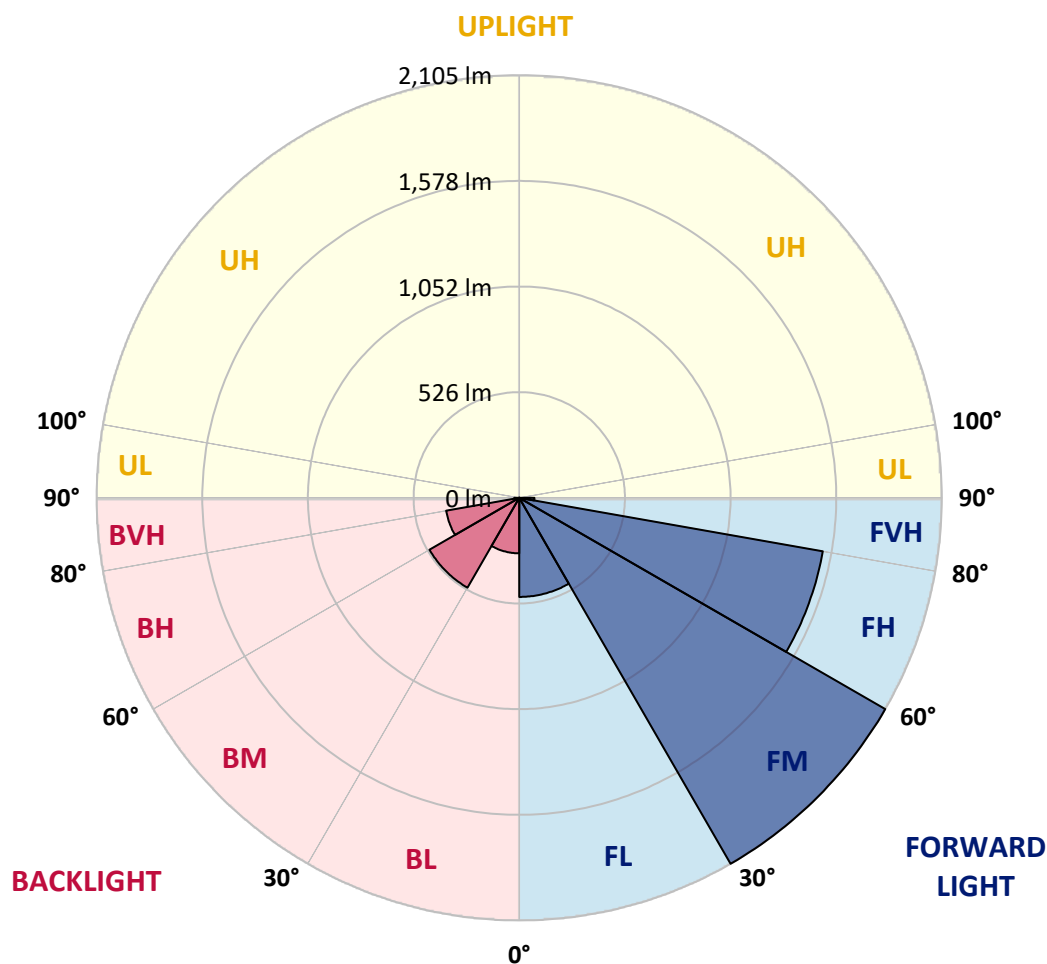
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 493.6  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 2104.5 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 1535.0 | 28.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 75.5   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 276.6  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 516.4  | 9.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 369.7  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 24.7   | 0.5       |                         |      | G1/100  |
| 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 |
| 2.5°  | 1083.8 | 1078.6 | 1081.8 | 1080.6 | 1082.1 | 1083.8 | 1084.3 | 1085.2 | 1088.0 | 1087.8 |
| 5°    | 1081.5 | 1076.3 | 1080.6 | 1079.2 | 1082.9 | 1086.9 | 1090.3 | 1093.5 | 1098.0 | 1100.0 |
| 7.5°  | 1076.6 | 1073.2 | 1077.5 | 1081.8 | 1088.6 | 1094.6 | 1099.5 | 1106.6 | 1113.2 | 1114.3 |
| 10°   | 1048.4 | 1045.8 | 1055.8 | 1066.9 | 1085.8 | 1102.0 | 1112.6 | 1120.9 | 1128.0 | 1129.1 |
| 12.5° | 1019.0 | 1015.8 | 1027.0 | 1042.1 | 1072.6 | 1102.0 | 1124.3 | 1135.1 | 1141.4 | 1145.1 |
| 15°   | 1014.1 | 1011.6 | 1017.8 | 1031.0 | 1056.4 | 1094.3 | 1132.3 | 1152.3 | 1157.7 | 1162.0 |
| 17.5° | 1037.5 | 1032.7 | 1035.2 | 1039.8 | 1054.7 | 1087.2 | 1138.6 | 1171.7 | 1180.0 | 1184.5 |
| 20°   | 1091.8 | 1084.9 | 1080.9 | 1071.8 | 1069.2 | 1088.3 | 1138.0 | 1195.1 | 1205.9 | 1211.6 |
| 22.5° | 1164.0 | 1159.4 | 1150.8 | 1127.7 | 1102.6 | 1102.3 | 1148.8 | 1225.1 | 1245.3 | 1250.7 |
| 25°   | 1251.3 | 1244.5 | 1233.6 | 1202.2 | 1154.0 | 1130.0 | 1167.1 | 1263.3 | 1297.3 | 1298.7 |
| 27.5° | 1351.8 | 1341.5 | 1326.7 | 1285.3 | 1220.2 | 1173.4 | 1195.1 | 1307.3 | 1356.9 | 1356.3 |
| 30°   | 1457.7 | 1447.4 | 1431.7 | 1381.5 | 1299.5 | 1231.9 | 1233.9 | 1354.6 | 1427.7 | 1424.6 |
| 32.5° | 1535.0 | 1527.3 | 1524.2 | 1485.4 | 1390.9 | 1301.0 | 1278.4 | 1407.2 | 1515.0 | 1512.2 |
| 35°   | 1594.4 | 1584.4 | 1588.1 | 1568.4 | 1490.5 | 1378.3 | 1332.9 | 1469.7 | 1621.2 | 1620.9 |
| 37.5° | 1653.2 | 1644.3 | 1647.5 | 1634.4 | 1582.7 | 1476.5 | 1399.4 | 1546.2 | 1752.8 | 1759.1 |
| 40°   | 1706.9 | 1697.4 | 1710.0 | 1697.7 | 1654.3 | 1581.0 | 1475.1 | 1632.6 | 1905.2 | 1917.2 |
| 42.5° | 1739.1 | 1731.7 | 1752.5 | 1752.8 | 1716.6 | 1669.2 | 1558.1 | 1728.0 | 2081.6 | 2108.4 |
| 45°   | 1750.2 | 1747.7 | 1779.1 | 1785.6 | 1771.6 | 1720.3 | 1632.9 | 1831.9 | 2271.7 | 2319.7 |
| 47.5° | 1738.3 | 1733.4 | 1776.8 | 1801.0 | 1812.2 | 1744.2 | 1694.9 | 1944.3 | 2465.8 | 2536.0 |
| 50°   | 1677.7 | 1668.3 | 1732.8 | 1783.9 | 1823.6 | 1759.9 | 1757.4 | 2074.2 | 2686.4 | 2763.2 |
| 52.5° | 1569.0 | 1561.9 | 1635.2 | 1724.0 | 1798.5 | 1767.6 | 1827.6 | 2216.1 | 2895.9 | 2995.3 |
| 55°   | 1430.0 | 1420.6 | 1501.3 | 1617.2 | 1736.0 | 1765.1 | 1897.8 | 2374.8 | 3143.1 | 3243.9 |
| 57.5° | 1209.6 | 1190.8 | 1293.0 | 1430.0 | 1634.1 | 1761.9 | 1970.9 | 2532.6 | 3394.3 | 3515.0 |
| 60°   | 888.2  | 860.3  | 985.6  | 1148.0 | 1434.8 | 1731.4 | 2061.4 | 2709.6 | 3695.7 | 3804.5 |
| 62.5° | 517.2  | 500.9  | 582.8  | 734.4  | 1081.5 | 1551.6 | 2112.2 | 2915.4 | 3992.0 | 4106.2 |
| 65°   | 401.6  | 397.0  | 404.2  | 415.9  | 602.0  | 1161.7 | 1955.5 | 3116.0 | 4368.7 | 4448.7 |
| 67.5° | 367.3  | 363.9  | 367.1  | 345.1  | 305.4  | 647.1  | 1547.0 | 3166.8 | 4772.3 | 4820.9 |
| 70°   | 326.5  | 322.5  | 332.8  | 314.0  | 240.3  | 294.3  | 999.6  | 2982.4 | 5093.4 | 5184.5 |
| 72.5° | 266.0  | 261.5  | 285.4  | 276.9  | 202.4  | 189.0  | 502.1  | 2544.3 | 5059.8 | 5248.7 |
| 75°   | 204.4  | 201.8  | 230.3  | 237.5  | 165.0  | 148.7  | 240.9  | 1891.2 | 4452.7 | 4643.0 |
| 77.5° | 158.7  | 156.7  | 171.3  | 197.2  | 133.0  | 115.3  | 148.1  | 1199.6 | 3355.5 | 3388.9 |
| 80°   | 119.0  | 113.3  | 126.7  | 152.7  | 103.6  | 84.2   | 100.5  | 699.6  | 2121.0 | 1922.6 |
| 82.5° | 74.5   | 71.6   | 82.8   | 101.9  | 73.1   | 57.9   | 65.4   | 386.5  | 850.0  | 500.6  |
| 85°   | 42.5   | 41.4   | 45.1   | 58.2   | 39.7   | 33.4   | 37.4   | 170.7  | 155.3  | 106.7  |
| 87.5° | 17.1   | 16.6   | 20.6   | 26.0   | 14.6   | 12.3   | 13.1   | 41.1   | 34.3   | 31.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1083.2 | 0°    | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 | 1083.2 |
| 1087.5 | 2.5°  | 1086.3 | 1086.3 | 1082.3 | 1076.1 | 1068.9 | 1064.4 | 1056.9 | 1054.9 | 1047.2 | 1044.9 |
| 1097.2 | 5°    | 1099.5 | 1097.2 | 1084.9 | 1067.2 | 1043.0 | 1020.7 | 996.1  | 980.7  | 959.0  | 951.3  |
| 1116.3 | 7.5°  | 1116.0 | 1109.7 | 1088.6 | 1049.8 | 999.0  | 949.0  | 897.1  | 857.7  | 820.0  | 806.6  |
| 1132.0 | 10°   | 1131.1 | 1122.3 | 1086.3 | 1018.4 | 930.5  | 844.0  | 761.2  | 703.3  | 659.3  | 641.4  |
| 1149.4 | 12.5° | 1146.3 | 1130.0 | 1071.2 | 966.2  | 833.2  | 715.9  | 627.7  | 582.6  | 555.4  | 533.7  |
| 1163.7 | 15°   | 1160.5 | 1137.7 | 1047.8 | 896.2  | 726.4  | 607.4  | 542.3  | 506.3  | 484.7  | 470.4  |
| 1184.5 | 17.5° | 1177.1 | 1144.3 | 1012.7 | 807.5  | 624.8  | 532.3  | 479.2  | 457.5  | 453.3  | 451.5  |
| 1213.1 | 20°   | 1200.2 | 1150.3 | 966.5  | 708.1  | 550.0  | 472.4  | 445.0  | 443.0  | 442.7  | 441.8  |
| 1247.3 | 22.5° | 1225.1 | 1157.4 | 905.4  | 617.9  | 486.4  | 435.0  | 430.1  | 426.1  | 423.6  | 423.3  |
| 1288.7 | 25°   | 1254.5 | 1159.7 | 828.9  | 544.0  | 432.1  | 417.3  | 411.6  | 405.6  | 403.9  | 403.9  |
| 1335.8 | 27.5° | 1283.0 | 1152.0 | 739.8  | 479.8  | 401.6  | 401.0  | 393.6  | 391.6  | 391.3  | 392.2  |
| 1389.5 | 30°   | 1311.5 | 1137.4 | 651.3  | 420.4  | 383.9  | 383.9  | 381.3  | 382.8  | 383.9  | 386.8  |
| 1463.1 | 32.5° | 1350.1 | 1122.0 | 577.4  | 376.5  | 368.5  | 365.6  | 368.2  | 371.1  | 372.2  | 375.9  |
| 1559.9 | 35°   | 1406.6 | 1111.2 | 518.6  | 352.5  | 352.5  | 348.8  | 350.2  | 349.6  | 347.1  | 345.4  |
| 1676.9 | 37.5° | 1481.4 | 1110.6 | 470.1  | 341.4  | 339.1  | 338.5  | 338.8  | 335.1  | 325.1  | 313.1  |
| 1818.5 | 40°   | 1571.3 | 1126.0 | 432.7  | 333.7  | 332.0  | 335.4  | 333.7  | 323.7  | 296.3  | 275.4  |
| 1992.6 | 42.5° | 1692.0 | 1170.0 | 408.7  | 324.2  | 329.4  | 333.7  | 326.8  | 292.3  | 273.7  | 259.7  |
| 2190.9 | 45°   | 1834.2 | 1241.3 | 396.5  | 314.3  | 324.5  | 329.7  | 296.6  | 281.4  | 266.6  | 249.7  |
| 2407.3 | 47.5° | 1995.1 | 1331.2 | 393.6  | 304.8  | 313.7  | 316.8  | 283.7  | 276.9  | 260.0  | 241.8  |
| 2624.8 | 50°   | 2170.4 | 1437.7 | 401.3  | 293.7  | 298.0  | 287.1  | 279.4  | 273.2  | 255.7  | 237.8  |
| 2847.7 | 52.5° | 2351.6 | 1555.0 | 416.7  | 278.6  | 282.3  | 270.3  | 277.7  | 272.3  | 253.2  | 228.9  |
| 3078.0 | 55°   | 2529.7 | 1673.2 | 431.6  | 260.9  | 266.3  | 255.2  | 272.9  | 268.9  | 241.5  | 214.1  |
| 3323.8 | 57.5° | 2710.7 | 1790.8 | 446.1  | 245.2  | 250.9  | 240.6  | 265.2  | 259.7  | 228.3  | 200.4  |
| 3592.1 | 60°   | 2898.8 | 1904.9 | 453.0  | 230.1  | 234.1  | 227.2  | 253.5  | 244.0  | 213.5  | 186.4  |
| 3855.8 | 62.5° | 3074.9 | 2000.0 | 441.8  | 214.9  | 217.5  | 214.6  | 238.0  | 225.5  | 198.7  | 170.7  |
| 4130.7 | 65°   | 3251.6 | 2056.5 | 407.6  | 200.1  | 200.7  | 199.2  | 216.4  | 205.5  | 181.2  | 157.0  |
| 4371.3 | 67.5° | 3411.7 | 2088.2 | 353.1  | 184.1  | 182.7  | 182.1  | 196.1  | 183.8  | 164.4  | 143.3  |
| 4554.3 | 70°   | 3445.7 | 2007.7 | 269.7  | 165.3  | 165.3  | 163.8  | 173.8  | 161.3  | 145.9  | 128.7  |
| 4423.3 | 72.5° | 3147.1 | 1688.9 | 191.5  | 143.9  | 146.1  | 143.3  | 151.6  | 141.0  | 127.0  | 115.6  |
| 3812.2 | 75°   | 2537.7 | 1238.5 | 139.3  | 121.9  | 125.9  | 121.0  | 128.7  | 121.3  | 109.3  | 109.0  |
| 2627.1 | 77.5° | 1743.7 | 765.8  | 101.0  | 100.5  | 103.3  | 97.0   | 105.9  | 101.9  | 91.1   | 86.2   |
| 1143.4 | 80°   | 744.1  | 305.4  | 73.6   | 77.6   | 77.6   | 71.9   | 82.2   | 83.3   | 73.9   | 71.6   |
| 220.6  | 82.5° | 148.1  | 86.8   | 51.7   | 53.4   | 50.2   | 48.5   | 58.2   | 64.5   | 89.1   | 99.0   |
| 66.5   | 85°   | 44.5   | 32.0   | 31.1   | 29.1   | 25.7   | 26.0   | 34.3   | 64.8   | 79.9   | 45.7   |
| 22.0   | 87.5° | 12.3   | 8.0    | 8.3    | 6.6    | 5.4    | 7.1    | 11.7   | 49.1   | 26.8   | 11.4   |
| 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°   |
|--------|
| 1083.2 |
| 1048.7 |
| 957.0  |
| 808.3  |
| 645.4  |
| 540.9  |
| 473.0  |
| 452.7  |
| 444.7  |
| 426.4  |
| 405.6  |
| 394.5  |
| 388.8  |
| 379.0  |
| 349.4  |
| 313.4  |
| 274.9  |
| 259.2  |
| 248.6  |
| 240.3  |
| 235.8  |
| 227.2  |
| 212.6  |
| 199.8  |
| 185.5  |
| 170.4  |
| 155.3  |
| 141.6  |
| 128.2  |
| 112.2  |
| 98.2   |
| 80.8   |
| 71.6   |
| 99.3   |
| 39.4   |
| 9.7    |
| 0.0    |