

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: P946539

Luminaire Tested: **GLAN-SB2A-930-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-930-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6099 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

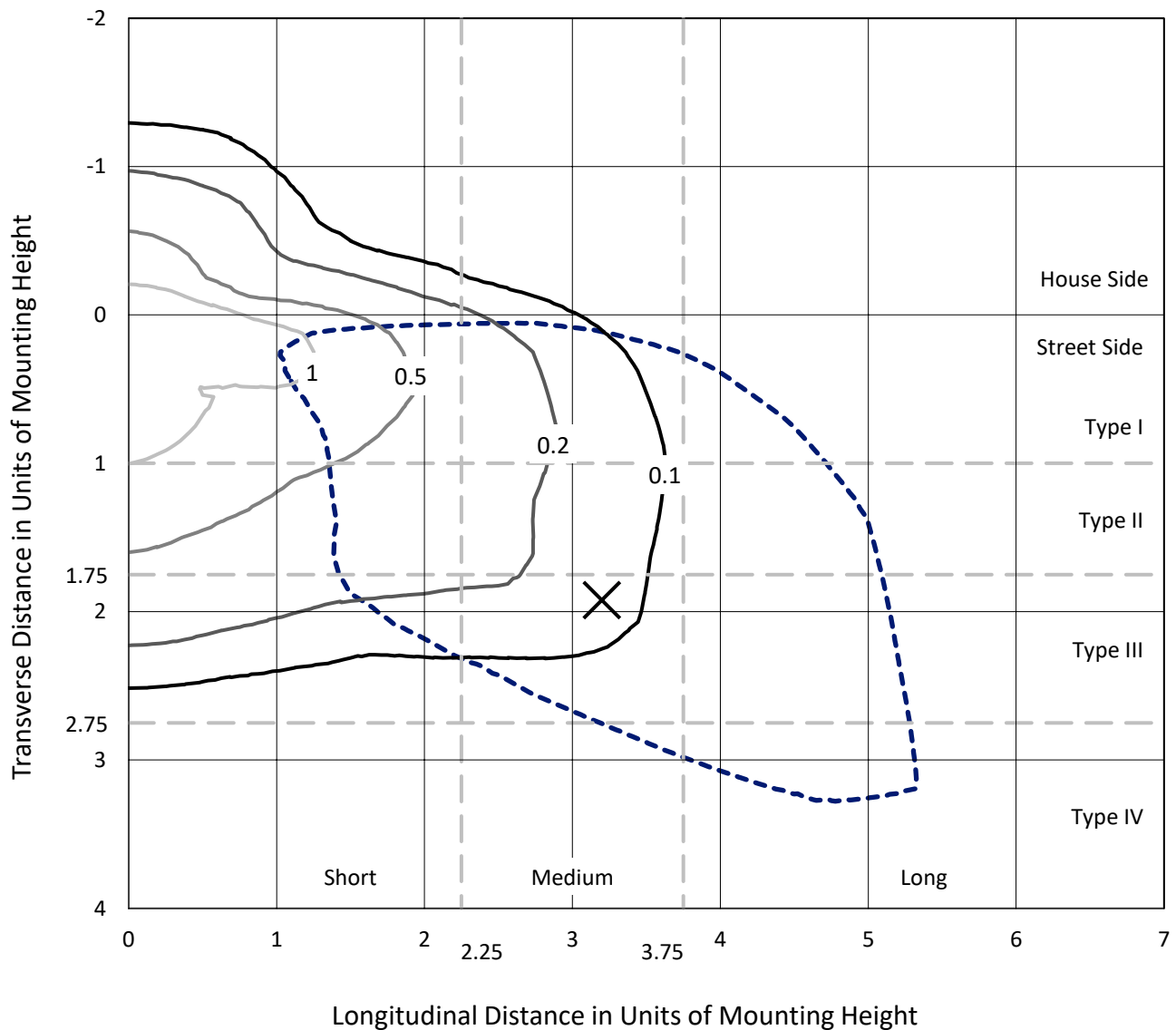
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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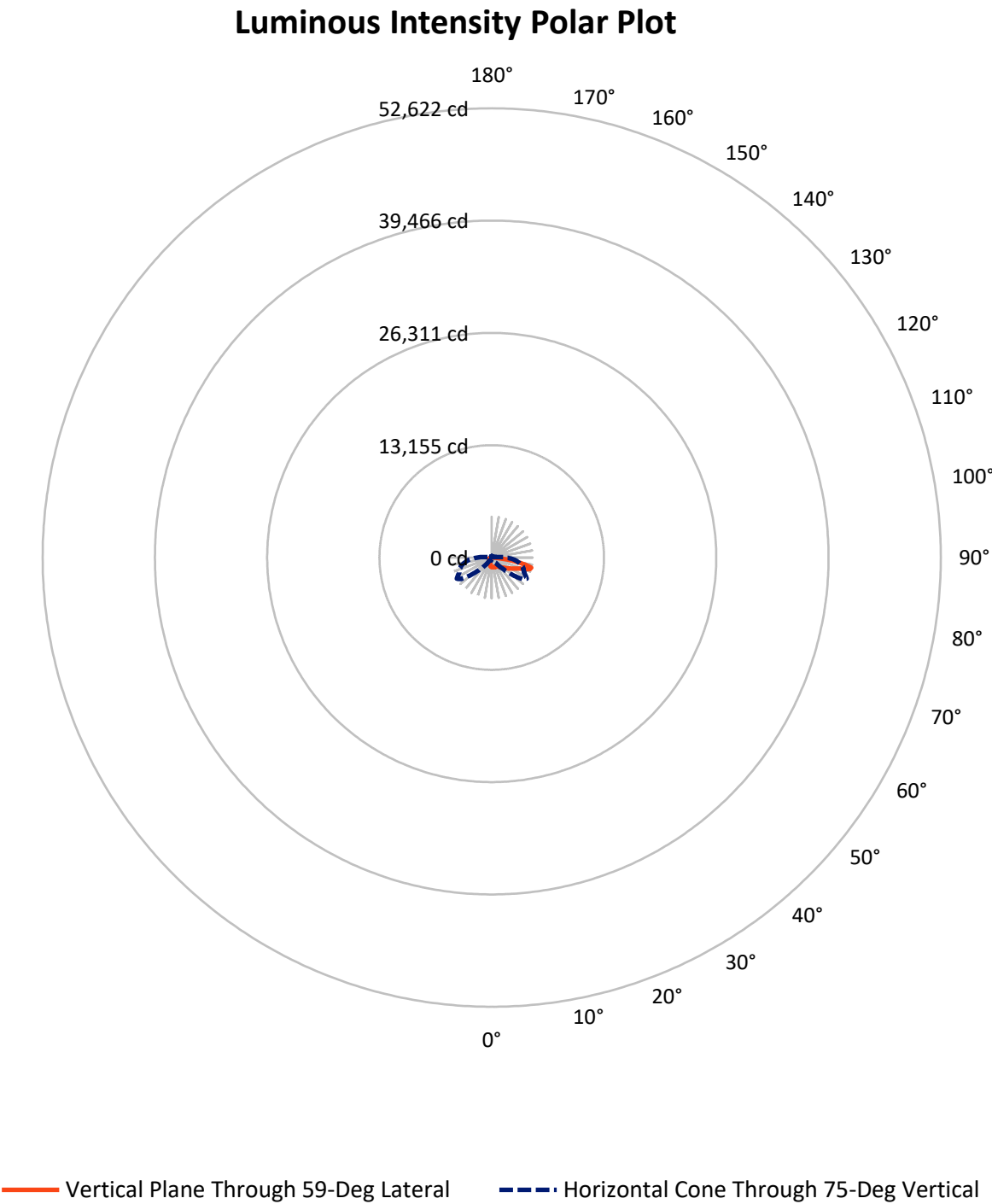
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
Type IV - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1143.9   | 0.0    | 1143.9 |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 4955.1   | 0.0    | 4955.1 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 6099.0   | 0.0    | 6099.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.4  | 1.6       |
| 10°-20°   | 256.6  | 4.2       |
| 20°-30°   | 389.7  | 6.4       |
| 30°-40°   | 579.3  | 9.5       |
| 40°-50°   | 861.5  | 14.1      |
| 50°-60°   | 1169.4 | 19.2      |
| 60°-70°   | 1427.6 | 23.4      |
| 70°-80°   | 1120.4 | 18.4      |
| 80°-90°   | 194.1  | 3.2       |
| 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°    | 6099.0 | 100.0     |
| 0°-180°   | 6099.0 | 100.0     |

**Coefficient of Utilization**



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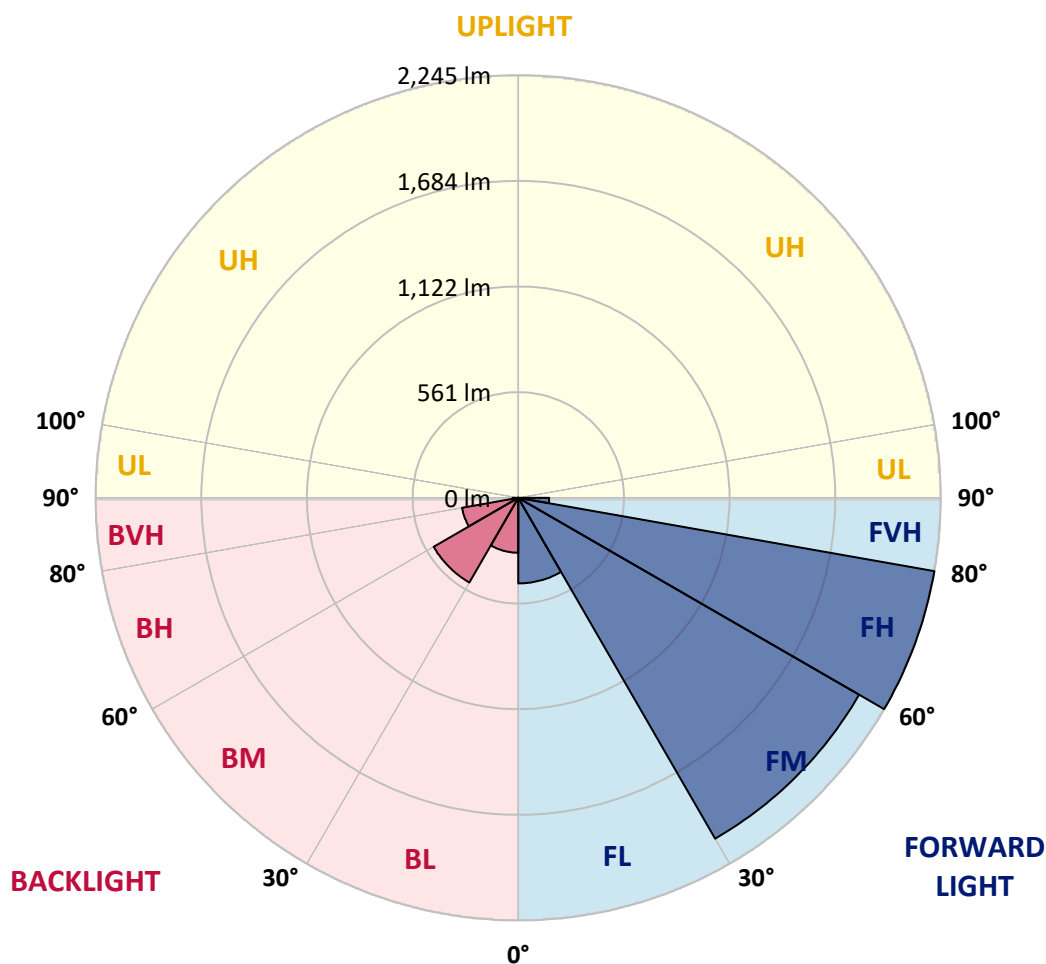
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 454.7  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 2091.0 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 2245.0 | 36.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 164.4  | 2.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 291.9  | 4.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 519.2  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 303.1  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 29.7   | 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-G2**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 |
| 2.5°  | 1129.0 | 1125.0 | 1129.0 | 1127.3 | 1126.7 | 1125.4 | 1125.7 | 1128.0 | 1126.7 | 1128.3 |
| 5°    | 1121.4 | 1119.1 | 1123.1 | 1122.1 | 1126.3 | 1127.0 | 1131.3 | 1133.9 | 1135.5 | 1135.9 |
| 7.5°  | 1109.0 | 1106.7 | 1112.2 | 1116.8 | 1126.0 | 1128.6 | 1137.5 | 1141.8 | 1144.1 | 1148.0 |
| 10°   | 1063.4 | 1062.4 | 1076.1 | 1093.5 | 1115.2 | 1128.6 | 1142.1 | 1149.3 | 1152.9 | 1163.4 |
| 12.5° | 982.6  | 984.0  | 1002.0 | 1035.5 | 1078.8 | 1122.1 | 1147.3 | 1157.8 | 1163.4 | 1176.5 |
| 15°   | 905.5  | 905.2  | 924.9  | 960.7  | 1021.4 | 1093.2 | 1150.0 | 1168.0 | 1177.5 | 1196.9 |
| 17.5° | 860.9  | 859.6  | 873.4  | 900.6  | 957.1  | 1048.9 | 1143.4 | 1173.6 | 1193.9 | 1218.2 |
| 20°   | 852.7  | 850.1  | 857.3  | 870.8  | 910.8  | 1000.4 | 1126.3 | 1173.6 | 1207.1 | 1238.6 |
| 22.5° | 882.6  | 878.3  | 875.4  | 873.7  | 891.4  | 960.3  | 1107.0 | 1169.7 | 1226.4 | 1267.8 |
| 25°   | 942.6  | 936.1  | 921.0  | 906.2  | 900.9  | 942.3  | 1089.9 | 1168.7 | 1255.3 | 1307.1 |
| 27.5° | 1039.7 | 1031.5 | 1001.0 | 965.6  | 933.8  | 951.5  | 1082.4 | 1174.6 | 1287.1 | 1348.8 |
| 30°   | 1160.1 | 1151.3 | 1112.9 | 1058.4 | 1001.3 | 985.6  | 1091.9 | 1192.0 | 1327.8 | 1404.2 |
| 32.5° | 1268.1 | 1258.2 | 1225.4 | 1170.0 | 1092.9 | 1044.7 | 1122.1 | 1225.1 | 1391.8 | 1481.3 |
| 35°   | 1363.9 | 1352.4 | 1322.9 | 1271.7 | 1205.1 | 1127.7 | 1176.5 | 1283.8 | 1482.7 | 1606.7 |
| 37.5° | 1457.7 | 1444.3 | 1412.1 | 1358.0 | 1311.4 | 1238.2 | 1251.7 | 1359.3 | 1603.4 | 1758.9 |
| 40°   | 1562.7 | 1543.4 | 1504.3 | 1450.8 | 1405.6 | 1367.8 | 1350.4 | 1451.8 | 1726.1 | 1928.9 |
| 42.5° | 1664.4 | 1646.0 | 1599.5 | 1553.9 | 1497.1 | 1486.3 | 1464.9 | 1560.1 | 1860.3 | 2115.6 |
| 45°   | 1774.0 | 1752.0 | 1695.6 | 1637.8 | 1602.1 | 1565.0 | 1575.8 | 1668.4 | 1991.9 | 2305.8 |
| 47.5° | 1876.7 | 1852.1 | 1785.5 | 1721.2 | 1701.5 | 1631.3 | 1677.5 | 1787.5 | 2128.7 | 2498.8 |
| 50°   | 1932.1 | 1907.9 | 1852.4 | 1794.3 | 1778.9 | 1713.0 | 1787.8 | 1918.4 | 2272.1 | 2691.0 |
| 52.5° | 1978.4 | 1952.2 | 1879.7 | 1847.5 | 1842.9 | 1801.9 | 1923.6 | 2068.0 | 2415.4 | 2861.0 |
| 55°   | 2027.6 | 1998.4 | 1905.9 | 1877.0 | 1898.0 | 1901.6 | 2084.7 | 2237.6 | 2567.0 | 3026.7 |
| 57.5° | 2084.4 | 2047.3 | 1931.2 | 1902.0 | 1951.8 | 2018.4 | 2269.8 | 2413.5 | 2716.0 | 3180.2 |
| 60°   | 2137.9 | 2100.5 | 1979.7 | 1941.7 | 2009.9 | 2153.9 | 2482.0 | 2626.4 | 2884.6 | 3317.0 |
| 62.5° | 2148.4 | 2117.5 | 2018.4 | 2018.1 | 2088.6 | 2312.1 | 2733.4 | 2841.3 | 3031.9 | 3452.2 |
| 65°   | 1966.6 | 1947.2 | 1888.5 | 2015.2 | 2201.5 | 2539.8 | 3013.2 | 3116.2 | 3219.3 | 3570.3 |
| 67.5° | 1496.8 | 1499.4 | 1495.1 | 1739.6 | 2110.3 | 2866.9 | 3418.4 | 3410.5 | 3450.6 | 3702.9 |
| 70°   | 684.4  | 699.8  | 800.2  | 1200.8 | 1690.7 | 2904.6 | 4088.4 | 3986.3 | 3740.9 | 3874.5 |
| 72.5° | 369.8  | 381.6  | 422.6  | 581.7  | 1016.4 | 2582.4 | 4589.1 | 4661.6 | 4127.1 | 3990.0 |
| 75°   | 271.3  | 277.9  | 306.4  | 369.8  | 426.9  | 1919.4 | 4409.6 | 4781.6 | 4175.3 | 3720.6 |
| 77.5° | 203.1  | 206.0  | 229.3  | 293.0  | 218.5  | 1011.8 | 3523.4 | 3960.1 | 3574.3 | 3056.9 |
| 80°   | 147.3  | 150.6  | 168.0  | 219.8  | 153.2  | 370.1  | 2419.4 | 2779.6 | 2447.9 | 1948.6 |
| 82.5° | 101.7  | 103.0  | 110.6  | 149.6  | 107.0  | 143.7  | 1372.7 | 1630.0 | 1366.5 | 683.7  |
| 85°   | 61.4   | 63.0   | 66.3   | 87.3   | 60.7   | 68.2   | 592.5  | 612.9  | 408.5  | 163.4  |
| 87.5° | 25.3   | 26.9   | 29.5   | 36.7   | 24.0   | 19.0   | 97.8   | 122.7  | 76.4   | 47.9   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1119.5 | 0°    | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 |
| 1122.7 | 2.5°  | 1121.1 | 1118.8 | 1112.6 | 1104.0 | 1096.2 | 1086.3 | 1082.1 | 1078.4 | 1075.2 | 1068.9 |
| 1131.6 | 5°    | 1128.0 | 1121.8 | 1105.0 | 1083.4 | 1058.8 | 1031.9 | 1005.6 | 987.6  | 972.1  | 960.7  |
| 1141.8 | 7.5°  | 1138.5 | 1126.7 | 1096.2 | 1051.9 | 995.4  | 937.7  | 885.5  | 848.5  | 820.6  | 810.4  |
| 1156.2 | 10°   | 1149.3 | 1135.2 | 1082.1 | 1004.0 | 906.5  | 817.6  | 748.4  | 710.3  | 688.0  | 680.8  |
| 1173.3 | 12.5° | 1162.1 | 1141.4 | 1060.1 | 937.4  | 807.1  | 709.7  | 649.3  | 627.0  | 615.5  | 611.6  |
| 1194.3 | 15°   | 1180.8 | 1146.7 | 1026.9 | 854.0  | 712.3  | 630.9  | 591.9  | 576.5  | 570.6  | 570.2  |
| 1215.9 | 17.5° | 1194.9 | 1147.7 | 975.4  | 764.8  | 639.5  | 583.4  | 551.2  | 545.3  | 549.2  | 555.1  |
| 1237.2 | 20°   | 1210.7 | 1138.8 | 907.8  | 683.4  | 588.3  | 541.7  | 528.2  | 532.2  | 541.7  | 550.2  |
| 1265.5 | 22.5° | 1221.8 | 1122.7 | 826.1  | 620.1  | 544.0  | 517.7  | 517.1  | 525.3  | 530.5  | 534.8  |
| 1298.6 | 25°   | 1231.7 | 1095.5 | 739.5  | 566.9  | 507.6  | 503.3  | 510.5  | 507.9  | 504.3  | 507.9  |
| 1331.7 | 27.5° | 1238.9 | 1052.5 | 662.1  | 520.4  | 482.0  | 493.5  | 489.2  | 483.3  | 483.0  | 484.9  |
| 1370.8 | 30°   | 1236.6 | 995.1  | 598.4  | 476.1  | 463.9  | 475.1  | 464.9  | 463.9  | 462.9  | 463.9  |
| 1429.5 | 32.5° | 1236.6 | 929.8  | 549.6  | 445.6  | 452.4  | 448.2  | 447.2  | 444.9  | 441.0  | 440.6  |
| 1509.2 | 35°   | 1243.5 | 864.5  | 507.6  | 429.1  | 442.9  | 432.8  | 433.4  | 427.8  | 419.6  | 415.7  |
| 1614.9 | 37.5° | 1257.6 | 812.0  | 465.9  | 421.3  | 426.2  | 425.9  | 423.2  | 413.7  | 399.3  | 386.8  |
| 1746.8 | 40°   | 1291.7 | 796.6  | 437.3  | 417.7  | 418.3  | 422.3  | 415.4  | 397.0  | 364.2  | 343.8  |
| 1880.6 | 42.5° | 1345.2 | 822.5  | 431.1  | 408.8  | 413.1  | 417.0  | 403.6  | 360.9  | 337.6  | 325.5  |
| 2021.1 | 45°   | 1413.1 | 867.8  | 444.6  | 396.0  | 400.6  | 407.5  | 367.5  | 347.1  | 336.6  | 337.0  |
| 2160.2 | 47.5° | 1499.1 | 915.4  | 469.5  | 384.9  | 382.6  | 386.5  | 343.5  | 331.0  | 316.6  | 320.2  |
| 2293.7 | 50°   | 1598.5 | 963.6  | 493.1  | 369.8  | 362.5  | 349.7  | 328.1  | 316.3  | 297.9  | 289.4  |
| 2422.6 | 52.5° | 1706.1 | 1010.2 | 502.6  | 351.4  | 340.9  | 326.1  | 317.6  | 303.2  | 280.8  | 266.7  |
| 2544.4 | 55°   | 1808.1 | 1052.5 | 492.1  | 329.4  | 319.2  | 307.8  | 306.4  | 297.6  | 273.6  | 253.9  |
| 2652.6 | 57.5° | 1904.6 | 1088.0 | 465.9  | 307.1  | 297.3  | 290.4  | 299.2  | 295.0  | 264.8  | 239.5  |
| 2755.0 | 60°   | 1986.3 | 1112.2 | 427.8  | 284.5  | 277.6  | 274.0  | 287.4  | 286.1  | 252.3  | 224.1  |
| 2846.9 | 62.5° | 2051.2 | 1121.8 | 385.8  | 262.8  | 261.2  | 254.6  | 271.0  | 271.0  | 236.6  | 209.0  |
| 2927.6 | 65°   | 2102.1 | 1112.6 | 343.2  | 241.5  | 244.8  | 234.9  | 251.0  | 249.0  | 219.8  | 195.5  |
| 3020.4 | 67.5° | 2147.0 | 1082.4 | 295.9  | 220.5  | 228.0  | 215.6  | 230.0  | 225.4  | 201.4  | 182.1  |
| 3100.8 | 70°   | 2167.1 | 1012.2 | 242.1  | 199.5  | 208.7  | 196.5  | 209.0  | 200.5  | 180.8  | 167.7  |
| 3012.6 | 72.5° | 2006.3 | 841.2  | 190.6  | 177.5  | 185.4  | 175.5  | 186.4  | 176.5  | 158.5  | 152.6  |
| 2601.5 | 75°   | 1659.8 | 631.3  | 146.7  | 153.5  | 159.5  | 151.9  | 159.1  | 151.9  | 135.5  | 139.8  |
| 1921.6 | 77.5° | 1205.4 | 426.2  | 112.2  | 128.3  | 130.9  | 127.0  | 133.2  | 125.0  | 110.2  | 109.3  |
| 957.7  | 80°   | 599.4  | 249.7  | 87.9   | 101.4  | 100.4  | 97.8   | 105.0  | 101.1  | 88.6   | 93.8   |
| 258.5  | 82.5° | 173.6  | 107.0  | 64.0   | 71.2   | 69.2   | 69.9   | 75.1   | 77.1   | 115.5  | 114.5  |
| 80.4   | 85°   | 54.5   | 42.0   | 38.4   | 39.7   | 37.7   | 38.7   | 44.3   | 87.9   | 81.4   | 47.6   |
| 24.9   | 87.5° | 14.1   | 14.4   | 9.5    | 10.2   | 10.5   | 12.5   | 14.1   | 53.5   | 25.6   | 16.7   |
| 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°   |
|--------|
| 1119.5 |
| 1066.0 |
| 951.1  |
| 792.7  |
| 669.6  |
| 612.6  |
| 571.5  |
| 557.4  |
| 553.2  |
| 537.1  |
| 510.2  |
| 488.2  |
| 467.5  |
| 444.9  |
| 419.6  |
| 391.1  |
| 346.5  |
| 325.5  |
| 338.6  |
| 329.4  |
| 291.7  |
| 266.4  |
| 253.9  |
| 238.2  |
| 223.1  |
| 208.0  |
| 194.2  |
| 180.8  |
| 165.0  |
| 147.6  |
| 127.6  |
| 104.3  |
| 92.9   |
| 117.1  |
| 51.5   |
| 17.7   |
| 0.0    |