

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: P939889

Luminaire Tested: **GLAN-SB2C-940-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-940-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10727 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 100.9  
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



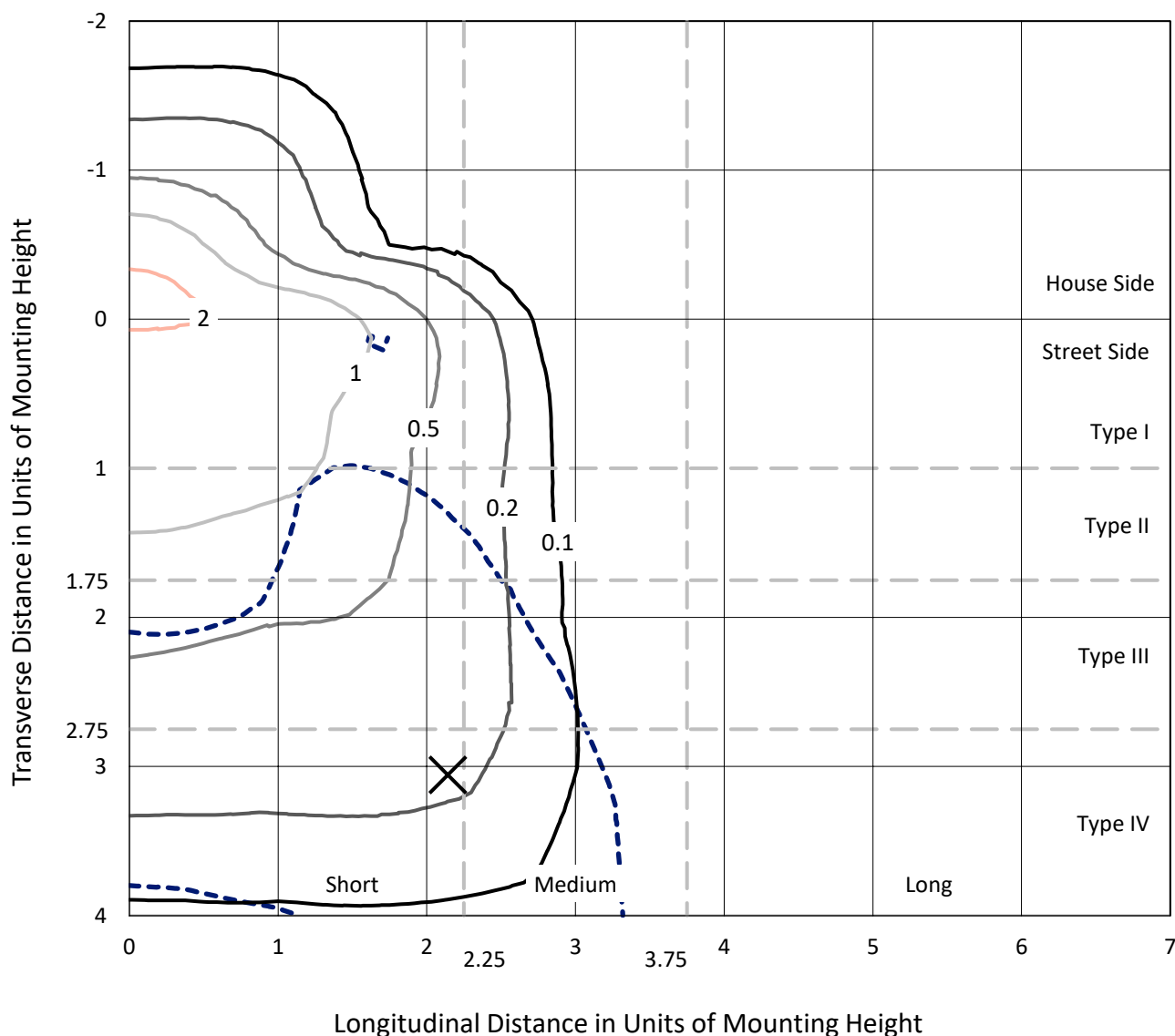
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

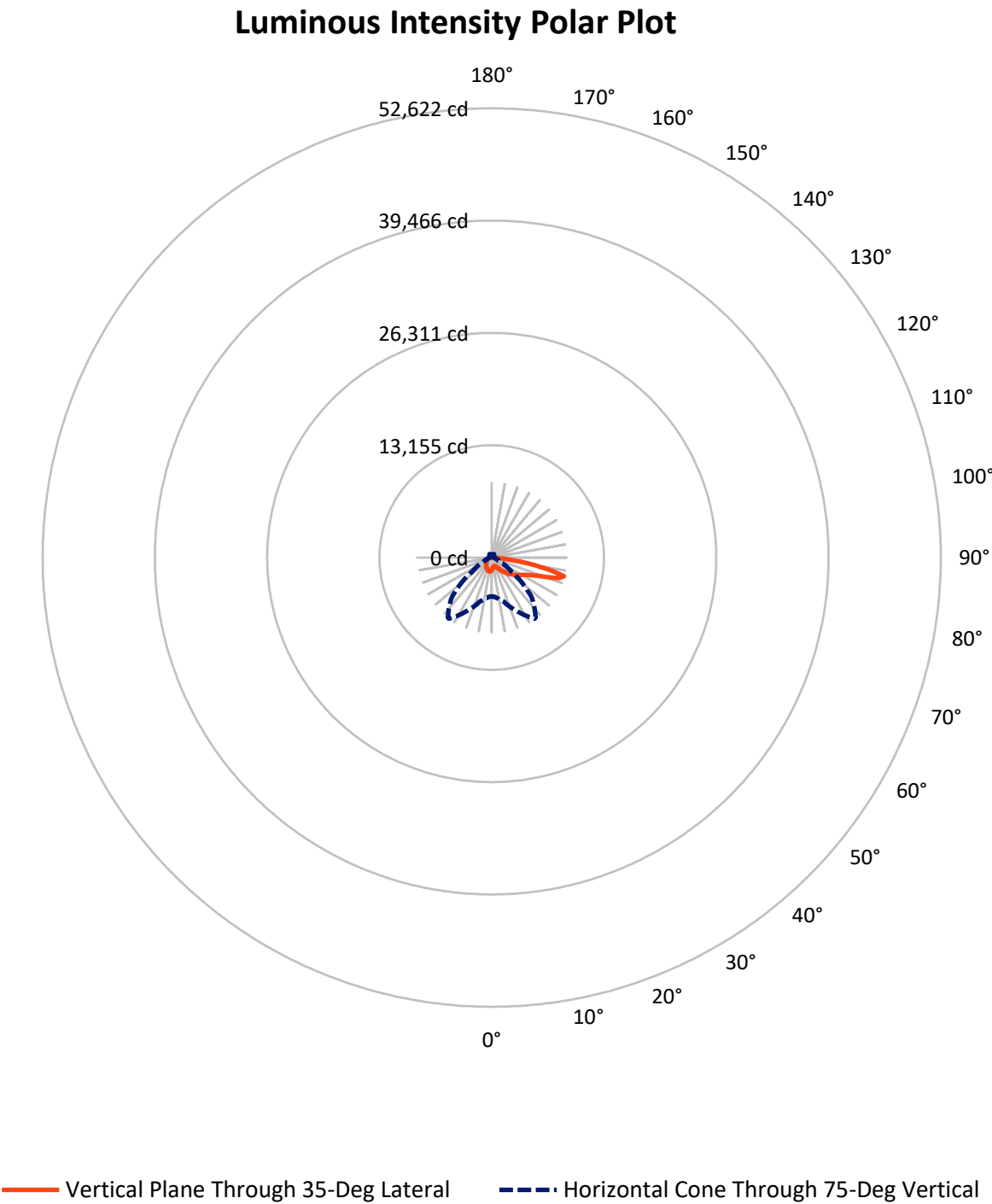
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc

Type IV - Short - N/A

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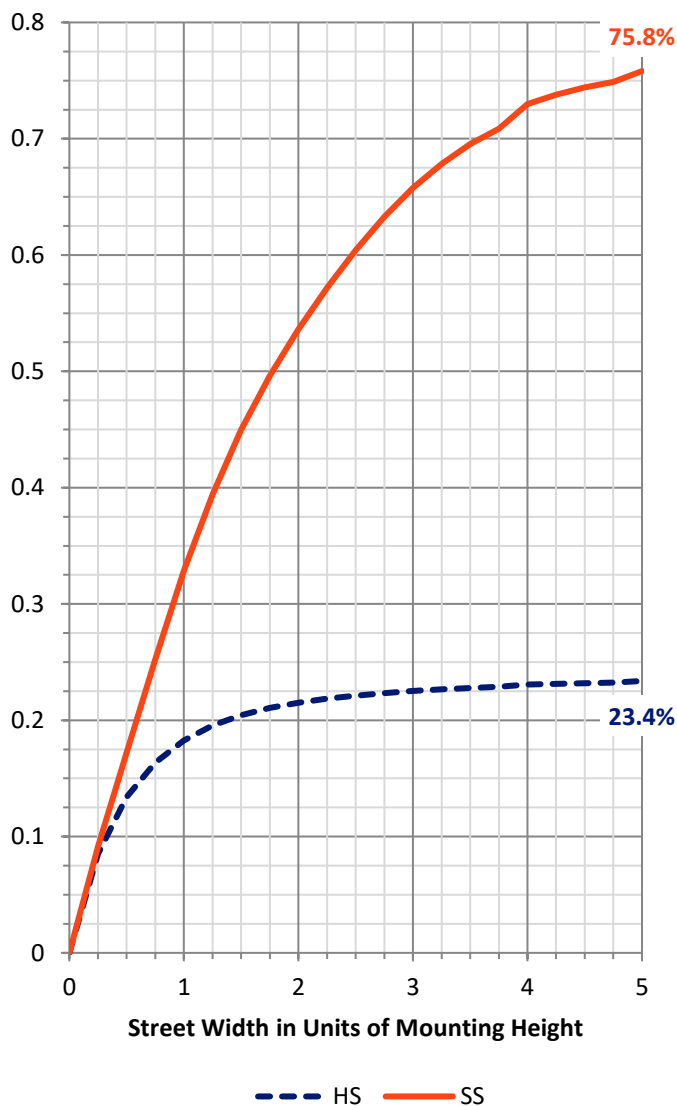
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2552.8   | 0.0    | 2552.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 8174.2   | 0.0    | 8174.2  |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 10727.0  | 0.0    | 10727.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 135.3   | 1.3       |
| 10°-20°   | 390.4   | 3.6       |
| 20°-30°   | 655.5   | 6.1       |
| 30°-40°   | 1018.8  | 9.5       |
| 40°-50°   | 1512.2  | 14.1      |
| 50°-60°   | 2087.7  | 19.5      |
| 60°-70°   | 2532.8  | 23.6      |
| 70°-80°   | 2093.2  | 19.5      |
| 80°-90°   | 301.1   | 2.8       |
| 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°    | 10727.0 | 100.0     |
| 0°-180°   | 10727.0 | 100.0     |

**Coefficient of Utilization**



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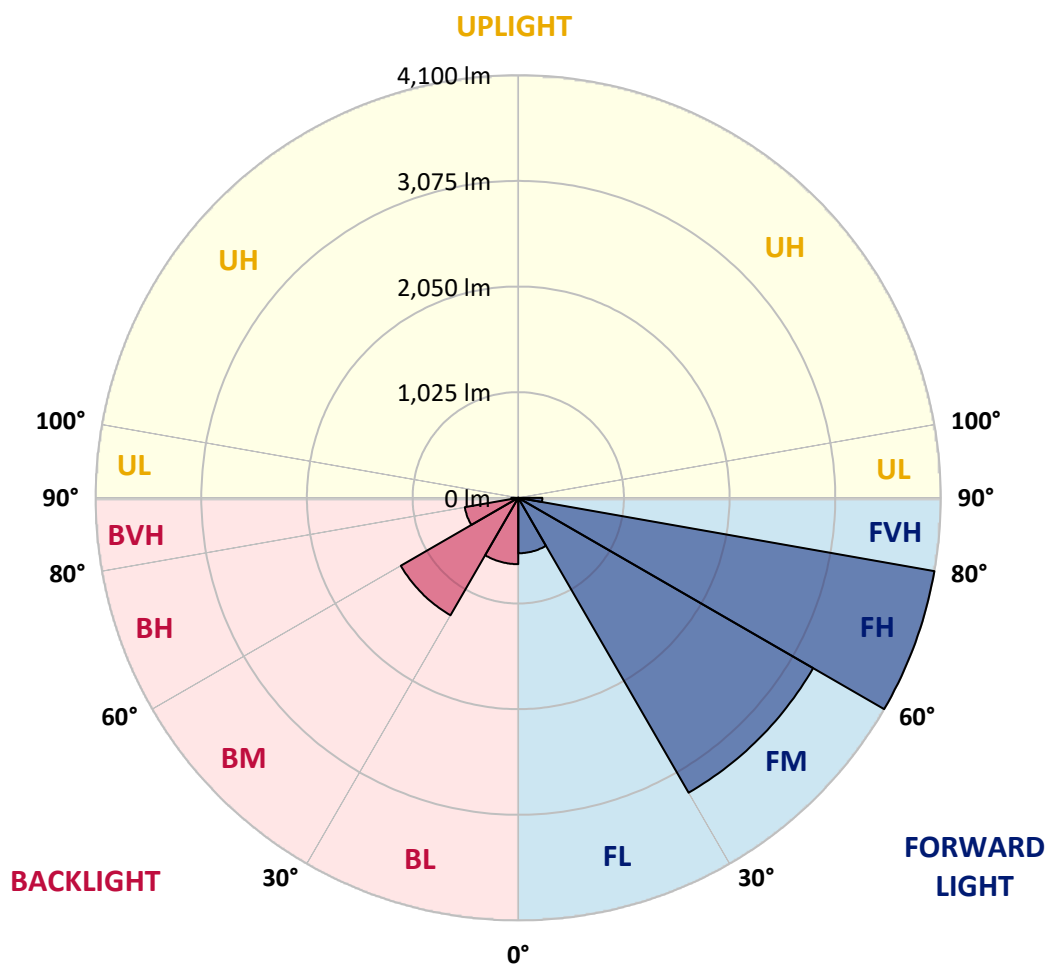
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 537.9  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 3303.3 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 4099.7 | 38.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 233.3  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 643.3  | 6.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1315.3 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 526.3  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 67.8   | 0.6       |                         |      | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 36°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 |
| 2.5°  | 1318.1 | 1326.2 | 1329.7 | 1328.0 | 1336.7 | 1335.5 | 1347.7 | 1362.8 | 1383.6 | 1403.9 |
| 5°    | 1216.6 | 1225.3 | 1232.9 | 1239.8 | 1256.6 | 1261.9 | 1281.0 | 1310.0 | 1348.3 | 1387.1 |
| 7.5°  | 1122.1 | 1129.6 | 1141.2 | 1154.0 | 1182.4 | 1187.6 | 1219.5 | 1264.8 | 1318.1 | 1374.9 |
| 10°   | 1045.0 | 1052.5 | 1064.7 | 1079.2 | 1114.6 | 1120.9 | 1161.5 | 1221.8 | 1291.4 | 1363.3 |
| 12.5° | 1011.9 | 1014.2 | 1021.2 | 1035.7 | 1066.4 | 1070.5 | 1115.1 | 1184.1 | 1265.3 | 1354.6 |
| 15°   | 1010.2 | 1014.8 | 1015.4 | 1022.9 | 1048.5 | 1050.2 | 1091.4 | 1159.8 | 1249.1 | 1352.9 |
| 17.5° | 1027.6 | 1031.1 | 1025.8 | 1030.5 | 1051.9 | 1054.8 | 1087.3 | 1148.2 | 1243.9 | 1360.4 |
| 20°   | 1074.0 | 1076.9 | 1061.2 | 1054.8 | 1070.5 | 1072.8 | 1104.7 | 1155.7 | 1249.1 | 1376.1 |
| 22.5° | 1172.6 | 1174.3 | 1136.0 | 1109.9 | 1111.1 | 1112.2 | 1140.1 | 1186.5 | 1269.4 | 1404.5 |
| 25°   | 1326.2 | 1325.1 | 1264.2 | 1213.7 | 1184.7 | 1178.4 | 1196.9 | 1236.3 | 1303.6 | 1442.2 |
| 27.5° | 1506.0 | 1497.3 | 1436.4 | 1361.0 | 1297.8 | 1288.5 | 1284.5 | 1301.3 | 1352.3 | 1492.1 |
| 30°   | 1709.0 | 1700.8 | 1635.3 | 1536.7 | 1449.2 | 1434.1 | 1395.8 | 1387.1 | 1424.8 | 1559.9 |
| 32.5° | 1931.6 | 1926.4 | 1848.1 | 1728.7 | 1611.5 | 1594.1 | 1529.8 | 1506.6 | 1536.1 | 1662.6 |
| 35°   | 2118.4 | 2113.7 | 2048.8 | 1925.8 | 1782.6 | 1761.1 | 1695.6 | 1669.5 | 1684.6 | 1794.2 |
| 37.5° | 2287.1 | 2284.8 | 2229.1 | 2132.3 | 1984.4 | 1958.3 | 1884.7 | 1876.0 | 1873.1 | 1967.6 |
| 40°   | 2443.7 | 2437.9 | 2379.9 | 2328.9 | 2219.3 | 2195.5 | 2130.5 | 2123.0 | 2101.0 | 2181.0 |
| 42.5° | 2617.1 | 2602.0 | 2517.9 | 2494.1 | 2464.6 | 2444.8 | 2406.0 | 2407.2 | 2358.4 | 2421.6 |
| 45°   | 2758.6 | 2749.9 | 2663.5 | 2649.5 | 2681.4 | 2673.3 | 2707.0 | 2715.7 | 2621.1 | 2673.9 |
| 47.5° | 2910.5 | 2902.4 | 2829.3 | 2819.5 | 2905.9 | 2908.2 | 3027.1 | 3030.0 | 2877.4 | 2936.0 |
| 50°   | 3097.8 | 3086.2 | 3013.7 | 3025.9 | 3122.7 | 3131.4 | 3348.9 | 3329.2 | 3113.5 | 3202.2 |
| 52.5° | 3221.3 | 3228.3 | 3212.6 | 3232.3 | 3364.6 | 3372.7 | 3665.5 | 3615.1 | 3347.2 | 3464.9 |
| 55°   | 3312.4 | 3326.3 | 3375.0 | 3420.2 | 3619.7 | 3627.8 | 3964.2 | 3887.0 | 3540.8 | 3708.4 |
| 57.5° | 3429.5 | 3409.8 | 3500.8 | 3589.0 | 3862.1 | 3883.6 | 4254.7 | 4149.2 | 3712.5 | 3918.4 |
| 60°   | 3597.7 | 3583.8 | 3654.5 | 3785.0 | 4133.5 | 4167.7 | 4562.0 | 4385.2 | 3838.3 | 4084.8 |
| 62.5° | 3938.7 | 3903.9 | 3914.9 | 4030.3 | 4475.6 | 4520.9 | 4908.8 | 4591.0 | 3901.0 | 4149.7 |
| 65°   | 4448.4 | 4388.7 | 4333.0 | 4413.0 | 4957.5 | 5002.2 | 5300.3 | 4752.8 | 3877.8 | 4023.9 |
| 67.5° | 5090.3 | 5031.2 | 4962.8 | 5038.1 | 5667.3 | 5702.7 | 5783.3 | 4843.9 | 3695.1 | 3539.1 |
| 70°   | 5619.8 | 5597.7 | 5679.5 | 5989.8 | 6801.0 | 6802.2 | 6402.6 | 4768.5 | 3194.7 | 2509.2 |
| 72.5° | 5549.6 | 5536.3 | 5967.1 | 6926.3 | 8229.9 | 8199.2 | 6988.9 | 4197.9 | 2152.0 | 1132.0 |
| 75°   | 4552.8 | 4639.2 | 5306.6 | 6909.5 | 8743.1 | 8739.0 | 6630.0 | 2668.7 | 890.1  | 469.1  |
| 77.5° | 2441.4 | 2578.2 | 3445.2 | 5101.4 | 6825.4 | 6928.0 | 4661.2 | 933.6  | 382.2  | 300.4  |
| 80°   | 796.2  | 915.7  | 1373.2 | 2597.4 | 4435.0 | 4415.9 | 1997.7 | 366.5  | 261.5  | 212.8  |
| 82.5° | 338.1  | 352.0  | 613.5  | 1226.5 | 2276.1 | 2240.7 | 636.1  | 210.5  | 183.8  | 145.6  |
| 85°   | 132.2  | 147.9  | 270.8  | 567.1  | 985.8  | 964.4  | 229.6  | 104.4  | 117.7  | 95.1   |
| 87.5° | 43.5   | 52.8   | 96.8   | 194.3  | 306.8  | 295.7  | 56.2   | 36.0   | 51.0   | 43.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1429.4 | 0°    | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 | 1429.4 |
| 1433.5 | 2.5°  | 1441.6 | 1450.9 | 1461.9 | 1478.2 | 1492.1 | 1503.7 | 1515.8 | 1523.4 | 1526.3 | 1535.0 |
| 1435.8 | 5°    | 1452.1 | 1472.4 | 1499.6 | 1526.3 | 1552.4 | 1568.0 | 1582.0 | 1588.9 | 1595.3 | 1599.9 |
| 1442.2 | 7.5°  | 1469.5 | 1495.6 | 1538.5 | 1573.3 | 1595.3 | 1608.1 | 1617.3 | 1615.0 | 1617.3 | 1618.5 |
| 1449.2 | 10°   | 1484.5 | 1521.1 | 1572.1 | 1605.2 | 1622.0 | 1622.6 | 1620.2 | 1612.1 | 1608.1 | 1608.6 |
| 1459.6 | 12.5° | 1502.5 | 1543.1 | 1598.2 | 1626.0 | 1630.7 | 1617.9 | 1608.1 | 1594.1 | 1588.9 | 1586.6 |
| 1475.3 | 15°   | 1526.9 | 1573.3 | 1626.6 | 1637.0 | 1625.5 | 1609.2 | 1592.4 | 1569.8 | 1558.2 | 1548.9 |
| 1501.9 | 17.5° | 1556.4 | 1607.5 | 1648.6 | 1641.1 | 1616.2 | 1589.5 | 1562.2 | 1528.0 | 1504.3 | 1494.4 |
| 1538.5 | 20°   | 1597.6 | 1643.4 | 1665.5 | 1632.4 | 1594.7 | 1554.1 | 1507.7 | 1466.0 | 1443.9 | 1434.1 |
| 1584.9 | 22.5° | 1647.5 | 1691.6 | 1681.7 | 1617.3 | 1564.0 | 1499.0 | 1441.0 | 1410.3 | 1399.3 | 1392.3 |
| 1644.6 | 25°   | 1707.2 | 1744.9 | 1693.3 | 1595.3 | 1513.5 | 1426.0 | 1381.3 | 1371.5 | 1366.2 | 1361.0 |
| 1717.7 | 27.5° | 1784.9 | 1805.2 | 1702.0 | 1562.8 | 1434.7 | 1348.3 | 1332.0 | 1333.8 | 1332.0 | 1323.3 |
| 1819.1 | 30°   | 1887.6 | 1883.5 | 1710.1 | 1510.1 | 1344.2 | 1278.1 | 1279.3 | 1286.8 | 1288.0 | 1282.2 |
| 1960.6 | 32.5° | 2022.7 | 1981.5 | 1714.2 | 1441.6 | 1257.8 | 1216.6 | 1217.8 | 1225.9 | 1231.7 | 1221.8 |
| 2145.6 | 35°   | 2186.2 | 2095.7 | 1707.8 | 1355.8 | 1191.1 | 1158.1 | 1149.4 | 1151.7 | 1153.4 | 1144.1 |
| 2370.0 | 37.5° | 2377.0 | 2223.9 | 1679.4 | 1260.7 | 1136.0 | 1100.6 | 1082.1 | 1066.4 | 1057.2 | 1048.5 |
| 2624.0 | 40°   | 2586.3 | 2363.7 | 1627.2 | 1167.9 | 1074.5 | 1039.8 | 1011.9 | 982.3  | 951.0  | 939.4  |
| 2893.1 | 42.5° | 2805.5 | 2507.5 | 1564.0 | 1079.2 | 1003.8 | 975.4  | 945.8  | 902.9  | 855.9  | 832.2  |
| 3172.6 | 45°   | 3032.9 | 2654.8 | 1501.9 | 991.6  | 931.3  | 919.1  | 884.9  | 833.3  | 782.3  | 752.1  |
| 3452.7 | 47.5° | 3255.5 | 2793.9 | 1410.9 | 903.5  | 863.5  | 876.8  | 850.1  | 802.6  | 745.7  | 698.2  |
| 3730.5 | 50°   | 3468.4 | 2924.4 | 1261.9 | 814.2  | 808.4  | 864.0  | 838.5  | 770.1  | 705.2  | 644.3  |
| 4003.0 | 52.5° | 3679.4 | 3030.0 | 1071.1 | 733.0  | 778.8  | 860.6  | 823.5  | 748.1  | 668.6  | 604.8  |
| 4259.3 | 55°   | 3858.6 | 3084.5 | 887.2  | 663.4  | 735.9  | 831.0  | 805.5  | 722.0  | 617.0  | 549.2  |
| 4435.0 | 57.5° | 3960.7 | 3040.4 | 734.1  | 595.0  | 676.7  | 782.3  | 774.7  | 666.3  | 555.5  | 503.4  |
| 4469.3 | 60°   | 3916.6 | 2861.8 | 608.9  | 535.2  | 620.5  | 729.5  | 721.4  | 611.2  | 508.6  | 459.3  |
| 4286.0 | 62.5° | 3673.6 | 2521.4 | 509.7  | 483.1  | 569.5  | 675.6  | 668.0  | 568.9  | 472.6  | 425.1  |
| 3799.5 | 65°   | 3184.2 | 2051.1 | 432.6  | 439.6  | 517.8  | 610.6  | 621.6  | 533.5  | 444.2  | 397.8  |
| 2939.5 | 67.5° | 2428.6 | 1485.7 | 372.3  | 401.9  | 467.4  | 546.8  | 578.7  | 508.0  | 420.4  | 376.4  |
| 1700.8 | 70°   | 1384.2 | 843.7  | 321.3  | 365.3  | 422.7  | 487.7  | 545.7  | 487.7  | 394.9  | 358.4  |
| 637.3  | 72.5° | 524.8  | 387.4  | 277.8  | 328.8  | 379.8  | 437.8  | 509.1  | 455.8  | 365.3  | 338.1  |
| 329.4  | 75°   | 280.1  | 236.0  | 233.7  | 285.9  | 330.5  | 389.1  | 463.3  | 424.5  | 343.3  | 357.2  |
| 227.9  | 77.5° | 190.8  | 167.0  | 195.4  | 244.7  | 276.6  | 335.2  | 414.6  | 376.9  | 297.5  | 296.3  |
| 157.7  | 80°   | 132.2  | 118.3  | 158.9  | 197.2  | 214.0  | 281.8  | 361.9  | 323.6  | 242.4  | 226.2  |
| 97.4   | 82.5° | 79.4   | 77.1   | 118.9  | 147.3  | 151.4  | 217.5  | 299.8  | 271.4  | 198.3  | 172.8  |
| 58.0   | 85°   | 43.5   | 45.8   | 76.0   | 86.4   | 88.1   | 151.9  | 234.9  | 209.9  | 152.5  | 128.2  |
| 20.9   | 87.5° | 12.2   | 15.7   | 27.8   | 34.2   | 42.3   | 78.9   | 139.8  | 124.7  | 76.5   | 53.4   |
| 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°   |
|--------|
| 1429.4 |
| 1534.4 |
| 1601.1 |
| 1620.2 |
| 1609.8 |
| 1585.4 |
| 1551.8 |
| 1495.0 |
| 1432.9 |
| 1393.5 |
| 1361.0 |
| 1325.1 |
| 1285.1 |
| 1226.5 |
| 1150.5 |
| 1054.3 |
| 944.7  |
| 835.1  |
| 749.8  |
| 693.0  |
| 639.0  |
| 597.9  |
| 543.4  |
| 496.4  |
| 452.3  |
| 417.5  |
| 390.3  |
| 369.4  |
| 353.7  |
| 333.4  |
| 368.8  |
| 273.1  |
| 216.3  |
| 174.0  |
| 129.3  |
| 53.4   |
| 0.0    |