

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: P941551

Luminaire Tested: **GLAN-SB5A-927-U-SL4-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-927-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

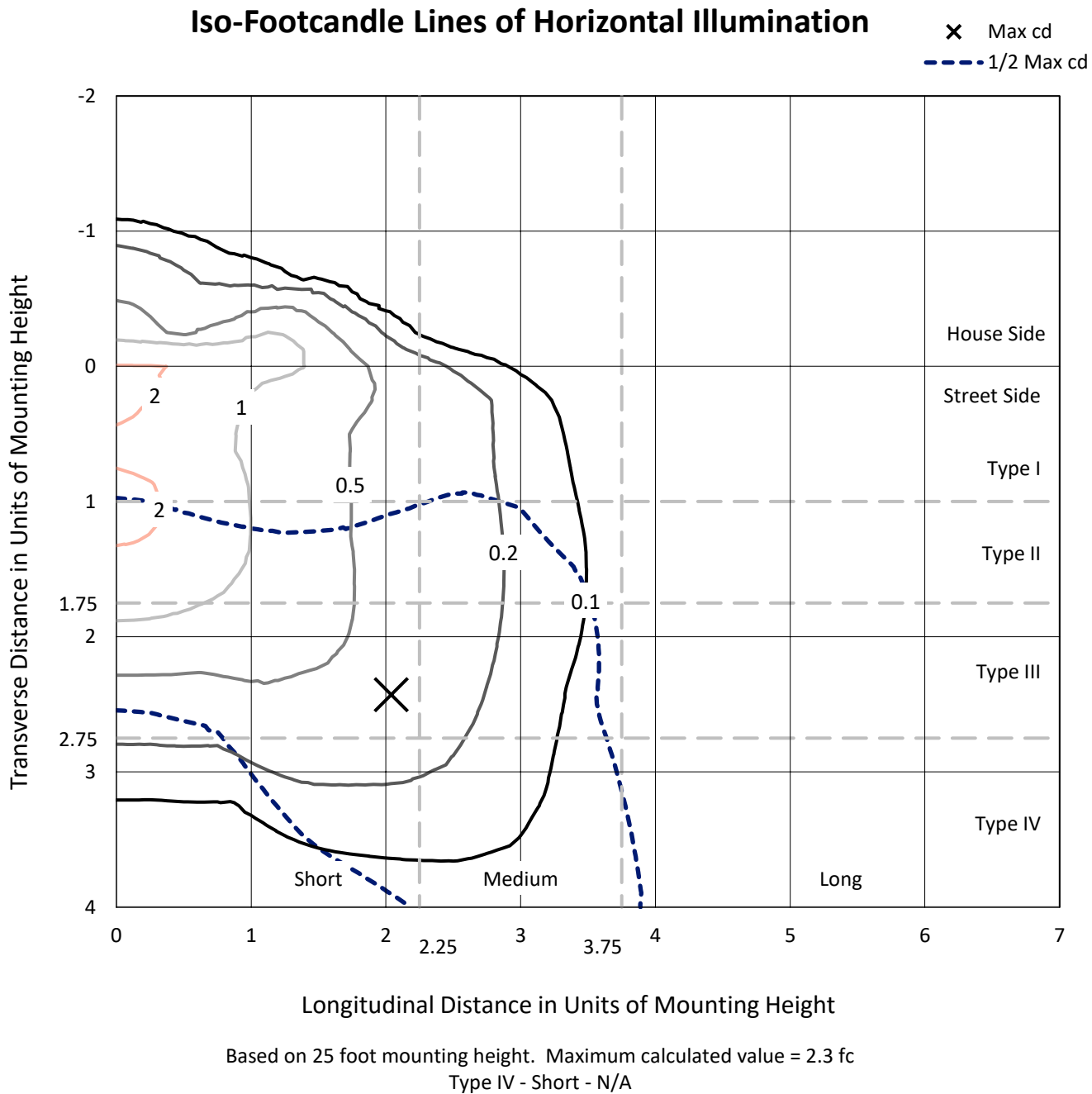
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9628 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 141.7  
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

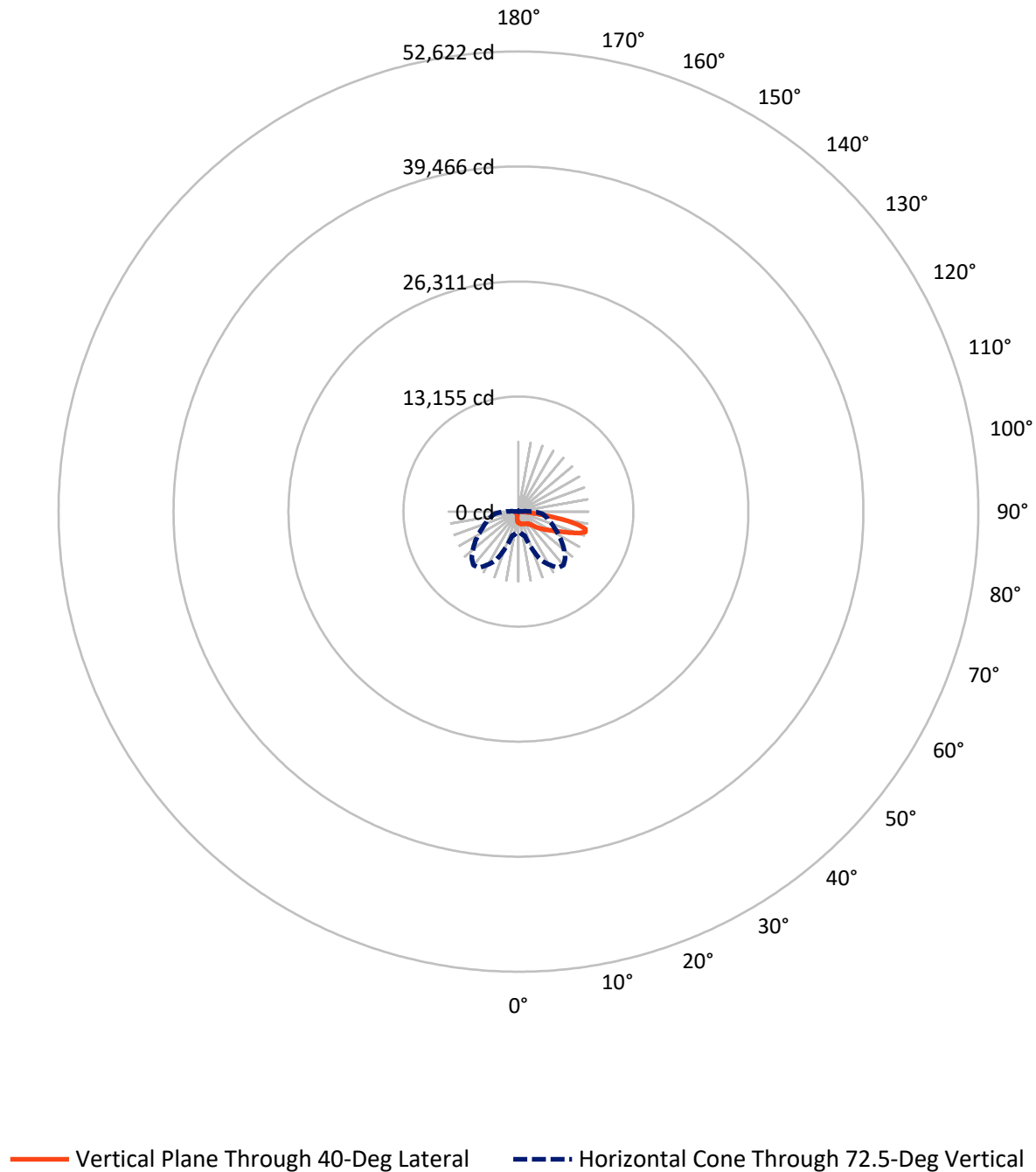


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## Luminous Intensity Polar Plot



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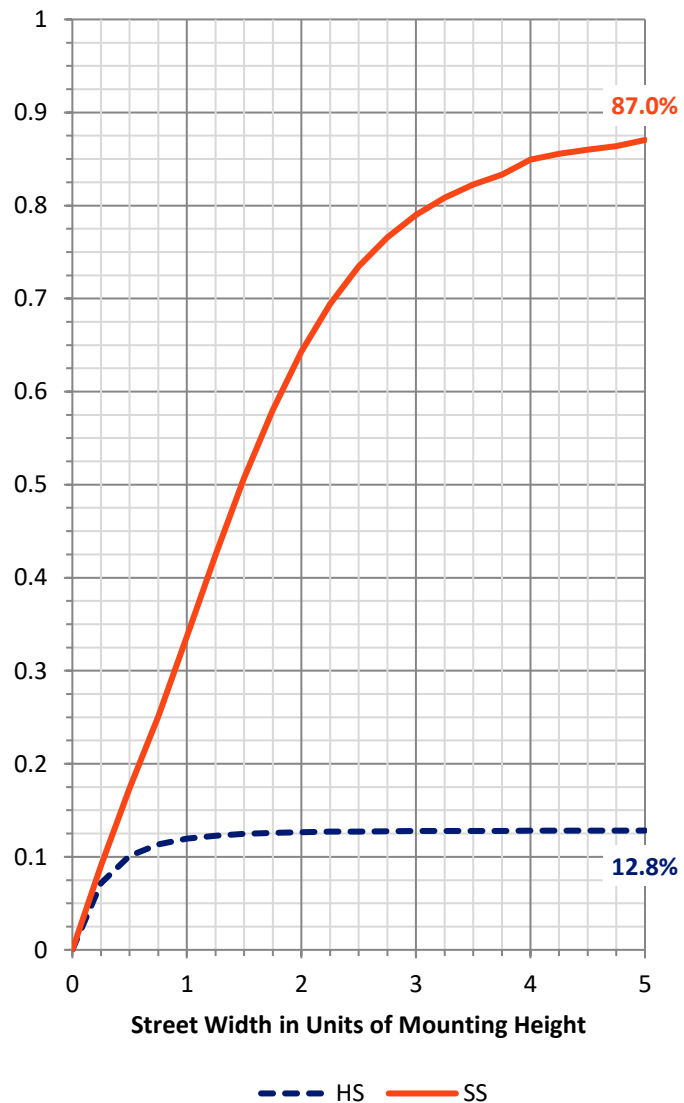
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1243.4   | 0.0    | 1243.4 |
|                    | % Fixture | 12.9     | 0.0    | 12.9   |
| <b>Street Side</b> | Lumens    | 8384.7   | 0.0    | 8384.7 |
|                    | % Fixture | 87.1     | 0.0    | 87.1   |
| <b>Total</b>       | Lumens    | 9628.0   | 0.0    | 9628.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 116.4  | 1.2       |
| 10°-20°   | 316.2  | 3.3       |
| 20°-30°   | 511.6  | 5.3       |
| 30°-40°   | 755.3  | 7.8       |
| 40°-50°   | 1271.2 | 13.2      |
| 50°-60°   | 1973.8 | 20.5      |
| 60°-70°   | 2469.8 | 25.7      |
| 70°-80°   | 2022.0 | 21.0      |
| 80°-90°   | 191.7  | 2.0       |
| 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°    | 9628.0 | 100.0     |
| 0°-180°   | 9628.0 | 100.0     |

**Coefficient of Utilization**



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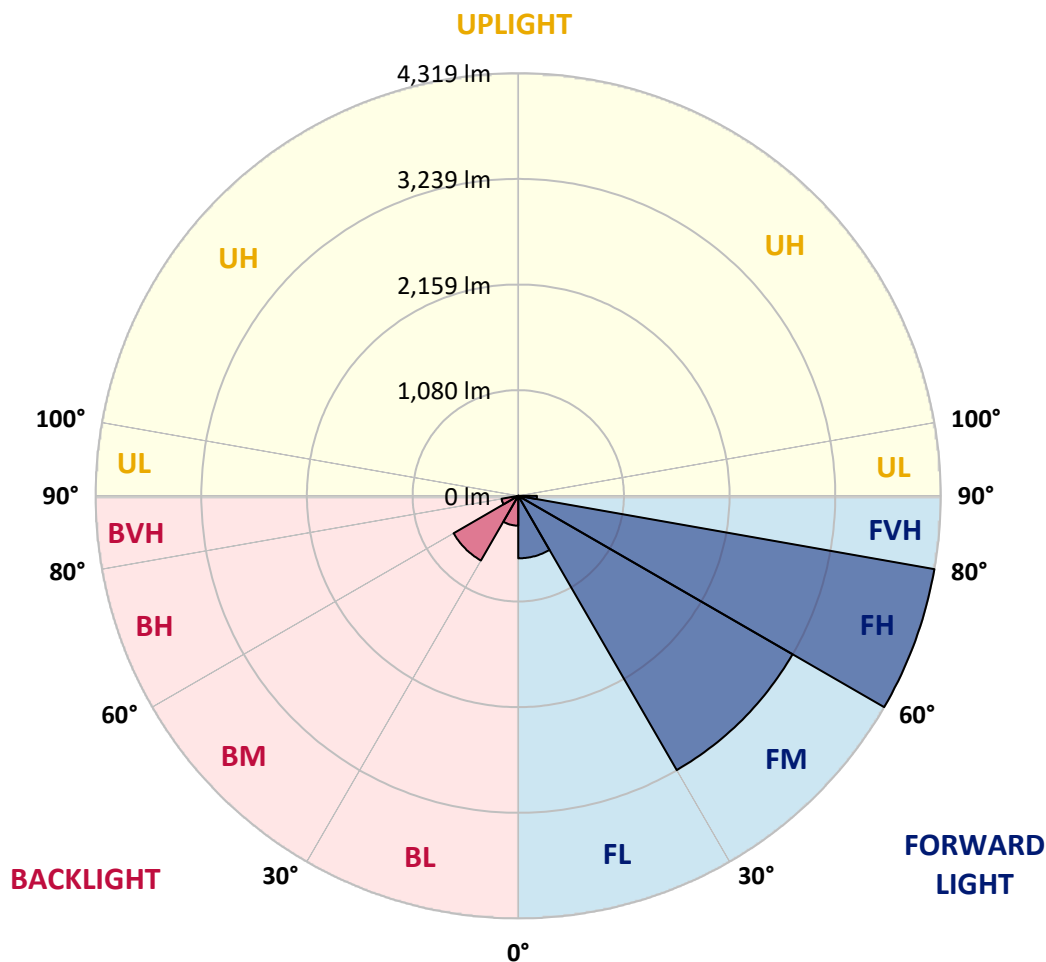
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 639.0  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 3236.8 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 4318.6 | 44.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 190.3  | 2.0       |                         |      | G2/225  |
| BL   | (0°-30°)    | 305.2  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 763.5  | 7.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 173.2  | 1.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.5    | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 |
| 2.5°  | 1313.3 | 1318.3 | 1315.4 | 1309.6 | 1308.2 | 1305.3 | 1301.7 | 1300.2 | 1295.1 | 1290.8 |
| 5°    | 1350.2 | 1355.3 | 1351.7 | 1343.7 | 1340.1 | 1336.5 | 1331.4 | 1327.0 | 1316.9 | 1307.5 |
| 7.5°  | 1390.9 | 1395.2 | 1390.9 | 1379.2 | 1373.4 | 1369.1 | 1361.8 | 1355.3 | 1343.7 | 1329.9 |
| 10°   | 1435.8 | 1439.4 | 1432.9 | 1417.7 | 1408.3 | 1401.7 | 1395.2 | 1387.9 | 1377.1 | 1361.8 |
| 12.5° | 1477.9 | 1482.2 | 1472.1 | 1453.9 | 1443.1 | 1436.5 | 1429.3 | 1423.5 | 1412.6 | 1398.1 |
| 15°   | 1516.3 | 1522.8 | 1505.4 | 1485.8 | 1473.5 | 1468.4 | 1461.2 | 1457.6 | 1450.3 | 1440.2 |
| 17.5° | 1545.3 | 1549.7 | 1531.5 | 1508.3 | 1494.5 | 1490.9 | 1485.8 | 1488.0 | 1486.6 | 1481.5 |
| 20°   | 1570.0 | 1572.9 | 1548.9 | 1520.7 | 1505.4 | 1506.2 | 1504.7 | 1512.0 | 1514.9 | 1514.9 |
| 22.5° | 1600.4 | 1601.1 | 1570.7 | 1535.2 | 1517.0 | 1522.1 | 1524.3 | 1532.3 | 1538.1 | 1543.9 |
| 25°   | 1640.3 | 1638.9 | 1602.6 | 1554.0 | 1538.1 | 1545.3 | 1550.4 | 1553.3 | 1559.8 | 1569.2 |
| 27.5° | 1699.8 | 1695.4 | 1649.0 | 1584.5 | 1565.6 | 1572.1 | 1581.6 | 1580.1 | 1577.2 | 1584.5 |
| 30°   | 1775.2 | 1769.4 | 1707.7 | 1627.3 | 1609.8 | 1615.6 | 1618.5 | 1605.5 | 1584.5 | 1591.0 |
| 32.5° | 1894.8 | 1884.7 | 1799.1 | 1675.1 | 1648.3 | 1654.8 | 1651.2 | 1624.4 | 1593.2 | 1599.7 |
| 35°   | 2103.0 | 2078.3 | 1957.2 | 1775.2 | 1691.8 | 1684.5 | 1675.8 | 1649.7 | 1611.3 | 1604.8 |
| 37.5° | 2545.3 | 2501.8 | 2295.1 | 1970.3 | 1790.4 | 1743.3 | 1716.4 | 1690.3 | 1630.9 | 1604.8 |
| 40°   | 3044.2 | 3000.0 | 2761.4 | 2296.6 | 1954.3 | 1874.5 | 1810.7 | 1738.2 | 1651.2 | 1614.2 |
| 42.5° | 3564.9 | 3516.3 | 3271.2 | 2701.2 | 2188.5 | 2024.6 | 1905.7 | 1776.6 | 1684.5 | 1643.2 |
| 45°   | 4146.4 | 4085.5 | 3765.0 | 3123.2 | 2528.6 | 2274.1 | 2058.7 | 1855.7 | 1742.6 | 1694.7 |
| 47.5° | 4759.9 | 4680.9 | 4257.4 | 3533.0 | 2894.8 | 2619.3 | 2338.6 | 1997.1 | 1828.1 | 1771.6 |
| 50°   | 5303.8 | 5225.5 | 4765.7 | 3961.5 | 3237.1 | 2947.8 | 2657.7 | 2192.9 | 1956.5 | 1880.3 |
| 52.5° | 5694.7 | 5635.2 | 5228.4 | 4403.9 | 3593.2 | 3256.0 | 2947.0 | 2420.6 | 2118.9 | 2019.6 |
| 55°   | 5956.4 | 5902.0 | 5556.1 | 4823.0 | 4007.2 | 3595.3 | 3232.0 | 2667.9 | 2314.7 | 2186.3 |
| 57.5° | 6115.2 | 6084.1 | 5793.3 | 5197.2 | 4417.7 | 3966.6 | 3558.3 | 2939.8 | 2545.3 | 2382.9 |
| 60°   | 6171.8 | 6146.4 | 5940.5 | 5554.0 | 4913.7 | 4412.6 | 3942.0 | 3246.5 | 2825.2 | 2606.2 |
| 62.5° | 6021.0 | 6026.1 | 6046.4 | 5976.7 | 5436.5 | 4934.7 | 4401.7 | 3614.9 | 3135.6 | 2859.3 |
| 65°   | 5311.0 | 5353.1 | 5738.9 | 6445.2 | 6129.0 | 5588.8 | 4986.9 | 4064.5 | 3490.9 | 3147.2 |
| 67.5° | 4397.3 | 4458.3 | 4938.3 | 6719.3 | 6867.2 | 6437.9 | 5802.0 | 4637.4 | 3914.4 | 3440.1 |
| 70°   | 3366.2 | 3431.4 | 4013.0 | 6662.0 | 7558.3 | 7366.1 | 6809.9 | 5366.2 | 4353.1 | 3643.2 |
| 72.5° | 2402.4 | 2435.8 | 2894.1 | 6152.2 | 7841.8 | 7998.5 | 7552.5 | 6056.5 | 4577.2 | 3530.8 |
| 75°   | 1688.2 | 1682.4 | 1986.2 | 4954.3 | 7400.2 | 7921.6 | 7292.2 | 5683.1 | 4142.1 | 2804.9 |
| 77.5° | 735.3  | 736.8  | 992.0  | 3008.7 | 5906.4 | 6765.7 | 6061.6 | 3559.8 | 2887.6 | 1486.6 |
| 80°   | 190.7  | 196.5  | 364.0  | 1198.0 | 3556.2 | 4465.5 | 3696.8 | 1564.9 | 1334.3 | 362.6  |
| 82.5° | 67.4   | 71.8   | 167.5  | 376.4  | 1311.8 | 2047.8 | 1646.1 | 500.4  | 348.1  | 103.7  |
| 85°   | 19.6   | 23.2   | 89.9   | 115.3  | 271.2  | 578.7  | 399.6  | 97.2   | 85.6   | 53.7   |
| 87.5° | 0.0    | 2.9    | 18.1   | 16.0   | 16.0   | 10.9   | 20.3   | 10.9   | 13.8   | 6.5    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1274.8 | 0°    | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 | 1274.8 |
| 1285.7 | 2.5°  | 1281.4 | 1276.3 | 1265.4 | 1253.8 | 1242.9 | 1232.8 | 1229.9 | 1219.0 | 1213.9 | 1214.6 |
| 1295.9 | 5°    | 1287.9 | 1278.5 | 1257.4 | 1232.0 | 1205.9 | 1176.2 | 1151.5 | 1116.7 | 1087.0 | 1083.4 |
| 1315.4 | 7.5°  | 1305.3 | 1290.1 | 1256.0 | 1206.7 | 1141.4 | 1059.5 | 983.3  | 907.9  | 865.1  | 841.9  |
| 1344.4 | 10°   | 1332.1 | 1311.8 | 1259.6 | 1165.3 | 1026.8 | 880.3  | 765.0  | 670.0  | 621.5  | 599.0  |
| 1380.0 | 12.5° | 1364.0 | 1341.5 | 1265.4 | 1095.0 | 878.9  | 686.7  | 562.0  | 504.0  | 493.8  | 492.4  |
| 1423.5 | 15°   | 1409.0 | 1384.3 | 1271.9 | 1000.0 | 718.6  | 522.8  | 465.6  | 466.3  | 474.3  | 478.6  |
| 1470.6 | 17.5° | 1459.0 | 1434.4 | 1262.5 | 884.0  | 560.5  | 446.7  | 445.2  | 451.8  | 463.4  | 467.7  |
| 1514.1 | 20°   | 1509.8 | 1486.6 | 1229.1 | 747.6  | 453.2  | 425.7  | 431.5  | 438.7  | 450.3  | 456.1  |
| 1556.9 | 22.5° | 1562.0 | 1541.7 | 1176.2 | 602.6  | 409.0  | 410.4  | 417.7  | 424.9  | 438.0  | 444.5  |
| 1599.0 | 25°   | 1617.8 | 1600.4 | 1105.9 | 483.0  | 390.1  | 394.5  | 403.9  | 412.6  | 426.4  | 434.4  |
| 1634.5 | 27.5° | 1674.4 | 1661.3 | 1026.1 | 403.2  | 372.7  | 377.8  | 388.7  | 400.3  | 414.1  | 423.5  |
| 1665.7 | 30°   | 1736.0 | 1728.8 | 962.3  | 373.5  | 356.1  | 360.4  | 372.7  | 385.8  | 401.0  | 412.6  |
| 1696.9 | 32.5° | 1799.1 | 1797.7 | 931.1  | 395.2  | 340.8  | 343.7  | 354.6  | 367.7  | 386.5  | 401.0  |
| 1723.0 | 35°   | 1861.5 | 1864.4 | 913.0  | 456.8  | 335.7  | 327.8  | 335.0  | 346.6  | 369.1  | 387.2  |
| 1752.7 | 37.5° | 1941.2 | 1948.5 | 912.2  | 523.6  | 348.1  | 311.8  | 316.9  | 324.9  | 344.4  | 365.5  |
| 1799.1 | 40°   | 2060.2 | 2098.6 | 958.7  | 580.9  | 369.8  | 297.3  | 298.8  | 300.2  | 310.4  | 327.8  |
| 1860.8 | 42.5° | 2218.3 | 2330.7 | 1126.2 | 620.0  | 378.5  | 284.3  | 279.2  | 271.2  | 269.8  | 279.2  |
| 1944.9 | 45°   | 2414.8 | 2611.3 | 1420.6 | 641.8  | 369.8  | 269.8  | 256.0  | 235.0  | 227.0  | 233.5  |
| 2058.7 | 47.5° | 2646.1 | 2918.8 | 1769.4 | 646.8  | 355.3  | 251.6  | 227.0  | 199.4  | 192.9  | 195.1  |
| 2211.7 | 50°   | 2871.6 | 3149.4 | 2076.1 | 604.8  | 331.4  | 228.4  | 195.1  | 171.9  | 167.5  | 168.2  |
| 2392.3 | 52.5° | 3071.0 | 3228.4 | 2163.1 | 505.4  | 299.5  | 200.1  | 167.5  | 151.6  | 148.7  | 148.7  |
| 2591.7 | 55°   | 3203.0 | 3142.8 | 1928.9 | 386.5  | 259.6  | 171.1  | 143.6  | 135.6  | 134.2  | 133.4  |
| 2814.3 | 57.5° | 3230.6 | 2864.4 | 1456.8 | 279.2  | 203.0  | 144.3  | 127.6  | 123.3  | 120.4  | 117.5  |
| 3042.8 | 60°   | 3132.0 | 2400.3 | 927.5  | 195.1  | 152.3  | 123.3  | 113.1  | 110.2  | 104.4  | 98.6   |
| 3257.4 | 62.5° | 2918.8 | 1812.9 | 513.4  | 135.6  | 122.6  | 105.1  | 100.1  | 96.4   | 85.6   | 76.1   |
| 3427.8 | 65°   | 2632.3 | 1205.2 | 227.0  | 105.9  | 100.1  | 88.5   | 85.6   | 80.5   | 67.4   | 56.6   |
| 3492.4 | 67.5° | 2344.4 | 694.0  | 102.2  | 84.8   | 80.5   | 72.5   | 70.3   | 66.7   | 57.3   | 47.1   |
| 3327.7 | 70°   | 2015.9 | 351.7  | 70.3   | 67.4   | 62.4   | 55.1   | 57.3   | 56.6   | 47.1   | 38.4   |
| 2714.3 | 72.5° | 1501.1 | 174.8  | 52.9   | 50.8   | 45.0   | 39.2   | 47.1   | 46.4   | 37.0   | 29.0   |
| 1673.7 | 75°   | 849.9  | 86.3   | 38.4   | 35.5   | 26.8   | 29.0   | 37.7   | 35.5   | 25.4   | 18.9   |
| 706.3  | 77.5° | 337.2  | 44.2   | 25.4   | 21.8   | 16.0   | 19.6   | 27.6   | 23.9   | 13.1   | 8.0    |
| 134.9  | 80°   | 77.6   | 21.8   | 13.1   | 9.4    | 7.3    | 11.6   | 14.5   | 8.7    | 3.6    | 0.7    |
| 36.3   | 82.5° | 21.8   | 9.4    | 4.4    | 3.6    | 3.6    | 4.4    | 3.6    | 1.5    | 0.0    | 0.0    |
| 9.4    | 85°   | 7.3    | 4.4    | 1.5    | 0.7    | 0.7    | 0.7    | 0.7    | 0.0    | 0.0    | 0.0    |
| 2.9    | 87.5° | 2.9    | 1.5    | 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°   |
|--------|
| 1274.8 |
| 1213.9 |
| 1081.2 |
| 840.5  |
| 594.6  |
| 491.7  |
| 477.9  |
| 467.0  |
| 456.1  |
| 444.5  |
| 434.4  |
| 424.2  |
| 414.1  |
| 402.5  |
| 390.1  |
| 369.1  |
| 333.6  |
| 284.3  |
| 233.5  |
| 194.3  |
| 168.2  |
| 147.9  |
| 132.0  |
| 116.0  |
| 96.4   |
| 73.2   |
| 54.4   |
| 45.7   |
| 37.0   |
| 27.6   |
| 17.4   |
| 7.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |