

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: P1211611

Luminaire Tested: **ARCH4-60-727-U-T3RE**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1211611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH4-60-727-U-T3RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III  
ROADWAY ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

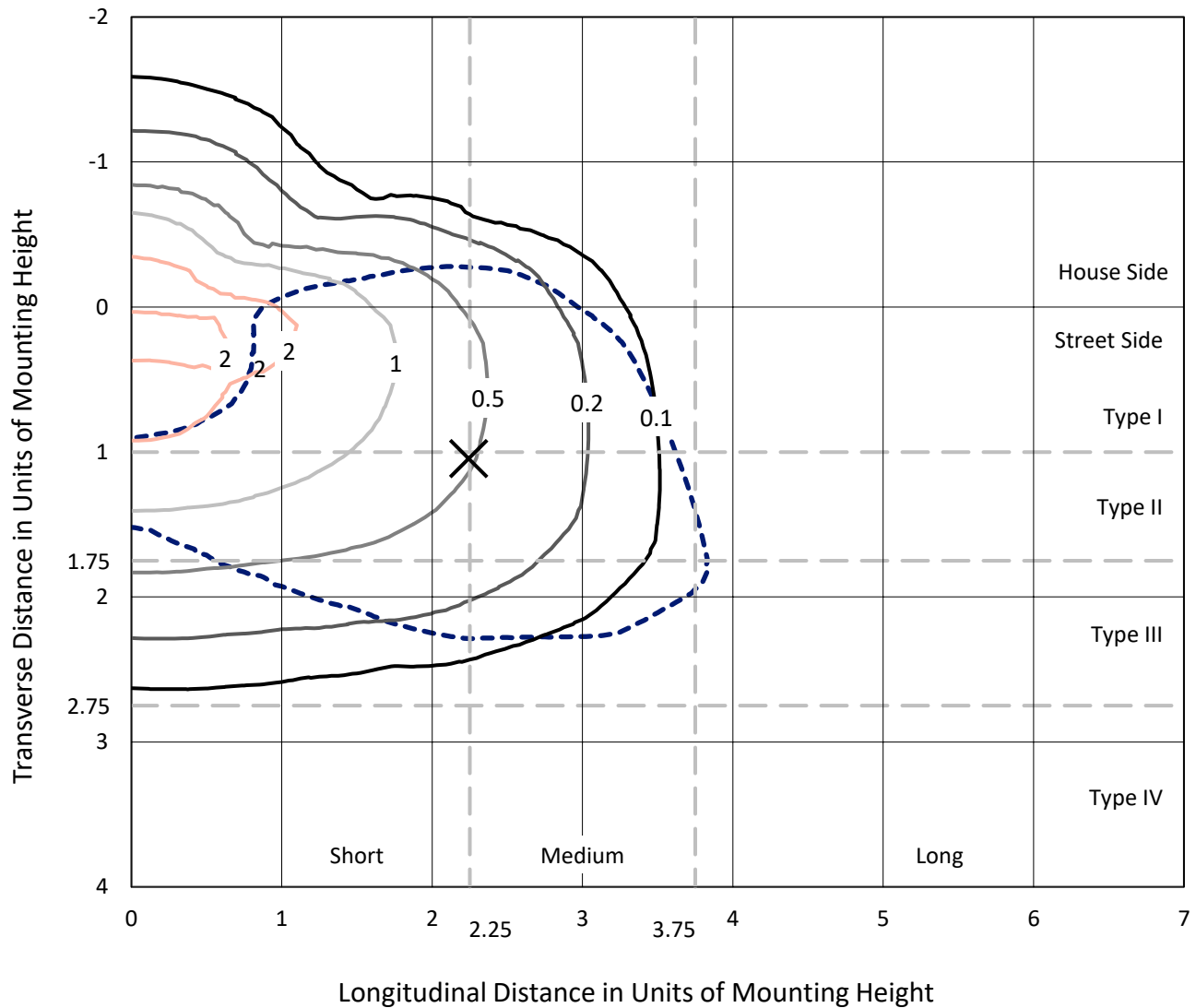
Lumens per Lamp: N/A  
Luminaire Lumens: 10340 lumens  
Efficiency: N/A  
Efficacy: 164.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): 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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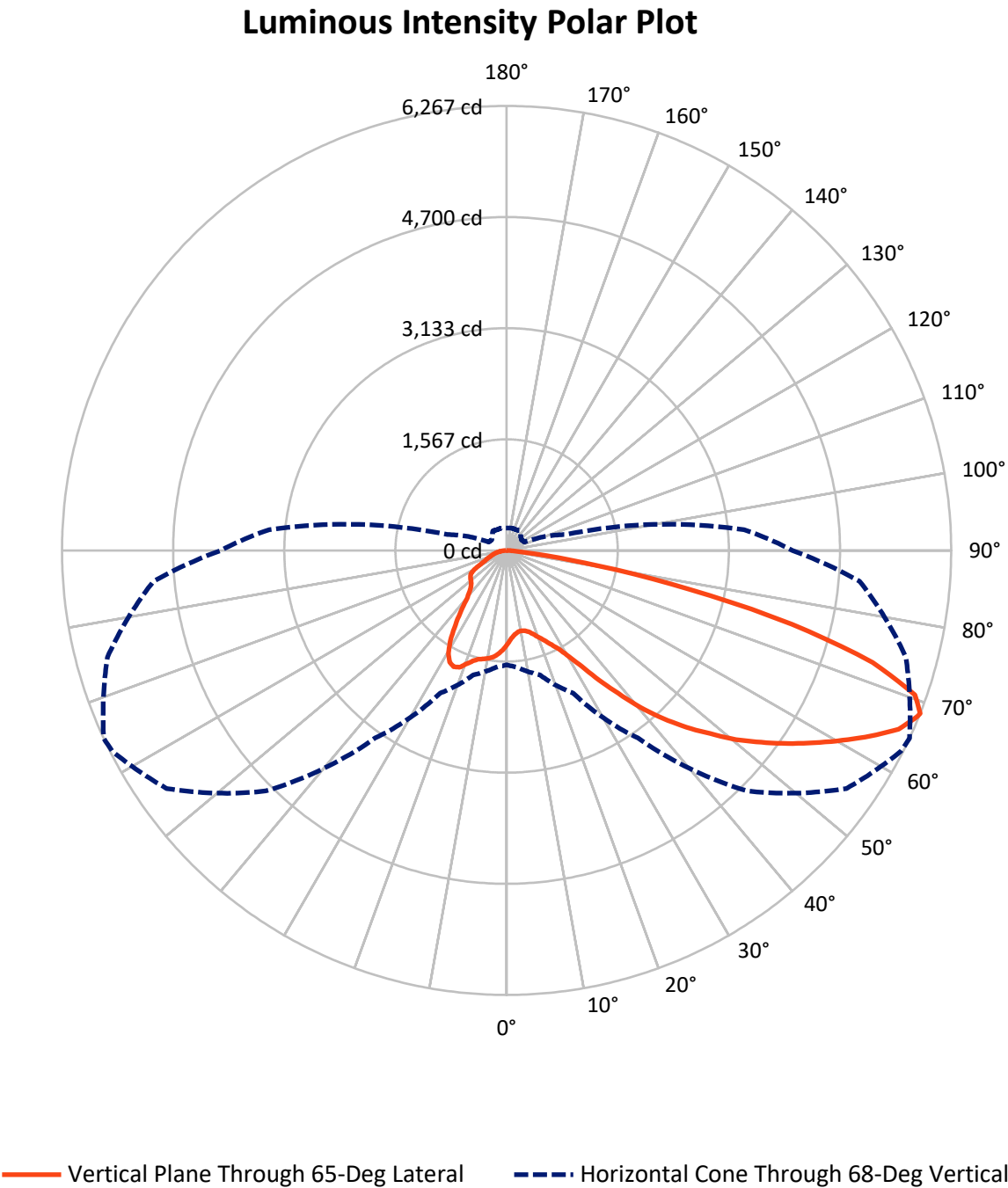
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2535.1   | 0.0    | 2535.1  |
|                    | % Fixture | 24.5     | 0.0    | 24.5    |
| <b>Street Side</b> | Lumens    | 7804.9   | 0.0    | 7804.9  |
|                    | % Fixture | 75.5     | 0.0    | 75.5    |
| <b>Total</b>       | Lumens    | 10340.0  | 0.0    | 10340.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 126.3   | 1.2       |
| 10°-20°   | 411.2   | 4.0       |
| 20°-30°   | 744.2   | 7.2       |
| 30°-40°   | 1170.7  | 11.3      |
| 40°-50°   | 1743.6  | 16.9      |
| 50°-60°   | 2287.2  | 22.1      |
| 60°-70°   | 2501.2  | 24.2      |
| 70°-80°   | 1237.7  | 12.0      |
| 80°-90°   | 118.1   | 1.1       |
| 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°    | 10340.0 | 100.0     |
| 0°-180°   | 10340.0 | 100.0     |

**Coefficient of Utilization**



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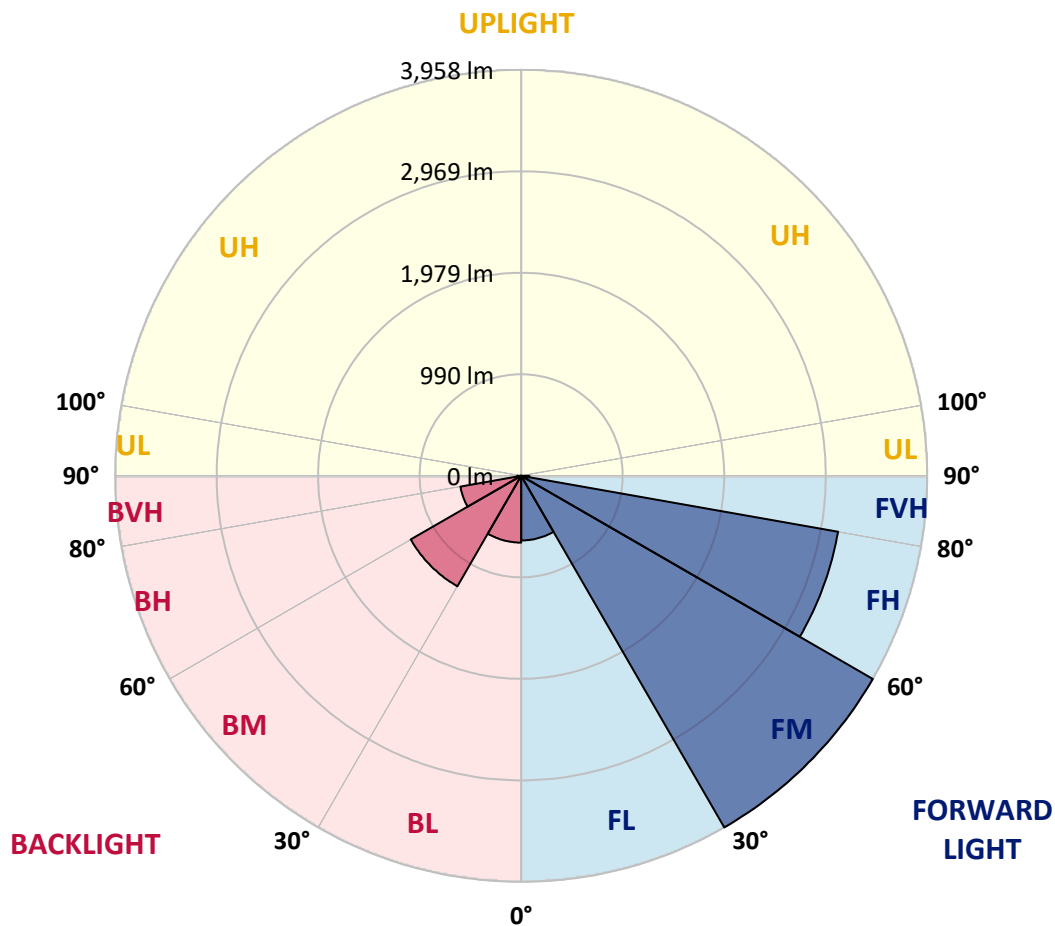
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 630.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 3958.0 | 38.3      |                         |      |         |
| FH   | (60°-80°)   | 3137.2 | 30.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 79.4   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 651.3  | 6.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1243.4 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 601.7  | 5.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 38.7   | 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-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 |
| 2.5°  | 1153.3 | 1150.7 | 1157.3 | 1164.0 | 1178.7 | 1196.0 | 1220.0 | 1240.0 | 1242.7 | 1280.0 | 1309.3 |
| 5°    | 1085.3 | 1081.3 | 1088.0 | 1096.0 | 1102.7 | 1124.0 | 1149.3 | 1178.7 | 1190.7 | 1245.3 | 1308.0 |
| 7.5°  | 1092.0 | 1090.7 | 1093.3 | 1090.7 | 1090.7 | 1100.0 | 1117.3 | 1146.7 | 1160.0 | 1225.3 | 1314.7 |
| 10°   | 1130.7 | 1133.3 | 1134.7 | 1126.7 | 1118.7 | 1114.7 | 1120.0 | 1140.0 | 1149.3 | 1226.7 | 1344.0 |
| 12.5° | 1194.7 | 1198.7 | 1200.0 | 1185.3 | 1174.7 | 1157.3 | 1148.0 | 1156.0 | 1162.7 | 1240.0 | 1385.3 |
| 15°   | 1281.3 | 1284.0 | 1274.7 | 1265.3 | 1238.7 | 1217.3 | 1194.7 | 1188.0 | 1190.7 | 1268.0 | 1432.0 |
| 17.5° | 1382.7 | 1378.7 | 1378.7 | 1356.0 | 1321.3 | 1288.0 | 1250.7 | 1245.3 | 1245.3 | 1313.3 | 1498.7 |
| 20°   | 1493.3 | 1497.3 | 1485.3 | 1454.7 | 1420.0 | 1368.0 | 1330.7 | 1306.7 | 1309.3 | 1365.3 | 1580.0 |
| 22.5° | 1653.3 | 1660.0 | 1628.0 | 1584.0 | 1530.7 | 1470.7 | 1417.3 | 1378.7 | 1380.0 | 1433.3 | 1664.0 |
| 25°   | 1825.3 | 1828.0 | 1808.0 | 1749.3 | 1677.3 | 1592.0 | 1521.3 | 1472.0 | 1470.7 | 1509.3 | 1772.0 |
| 27.5° | 2001.3 | 2013.3 | 1973.3 | 1917.3 | 1850.7 | 1744.0 | 1650.7 | 1584.0 | 1573.3 | 1625.3 | 1906.7 |
| 30°   | 2182.7 | 2197.3 | 2158.7 | 2104.0 | 2021.3 | 1930.7 | 1820.0 | 1742.7 | 1736.0 | 1805.3 | 2086.7 |
| 32.5° | 2365.3 | 2369.3 | 2338.7 | 2293.3 | 2218.7 | 2133.3 | 2044.0 | 1958.7 | 1952.0 | 2065.3 | 2320.0 |
| 35°   | 2514.7 | 2526.7 | 2505.3 | 2494.7 | 2440.0 | 2361.3 | 2274.7 | 2225.3 | 2242.7 | 2388.0 | 2622.7 |
| 37.5° | 2694.7 | 2706.7 | 2682.7 | 2680.0 | 2662.7 | 2594.7 | 2534.7 | 2538.7 | 2556.0 | 2753.3 | 2941.3 |
| 40°   | 2954.7 | 2968.0 | 2906.7 | 2880.0 | 2880.0 | 2813.3 | 2793.3 | 2888.0 | 2910.7 | 3113.3 | 3273.3 |
| 42.5° | 3174.6 | 3196.0 | 3160.0 | 3142.6 | 3090.7 | 3044.0 | 3068.0 | 3201.3 | 3240.0 | 3457.3 | 3562.6 |
| 45°   | 3281.3 | 3297.3 | 3340.0 | 3390.6 | 3340.0 | 3258.6 | 3349.3 | 3500.0 | 3554.6 | 3774.6 | 3852.0 |
| 47.5° | 3338.6 | 3353.3 | 3402.6 | 3538.6 | 3573.3 | 3505.3 | 3633.3 | 3821.3 | 3858.6 | 4089.3 | 4128.0 |
| 50°   | 3346.6 | 3393.3 | 3457.3 | 3593.3 | 3752.0 | 3761.3 | 3918.6 | 4148.0 | 4192.0 | 4398.6 | 4370.6 |
| 52.5° | 3281.3 | 3300.0 | 3432.0 | 3661.3 | 3837.3 | 3997.3 | 4229.3 | 4461.3 | 4493.3 | 4689.3 | 4585.3 |
| 55°   | 3174.6 | 3201.3 | 3333.3 | 3645.3 | 3920.0 | 4221.3 | 4545.3 | 4769.3 | 4805.3 | 4972.0 | 4784.0 |
| 57.5° | 3078.7 | 3092.0 | 3233.3 | 3598.6 | 4002.6 | 4445.3 | 4826.6 | 5090.6 | 5114.6 | 5220.0 | 4930.6 |
| 60°   | 2972.0 | 2986.7 | 3128.0 | 3498.6 | 4064.0 | 4614.6 | 5120.0 | 5414.6 | 5436.0 | 5481.3 | 5101.3 |
| 62.5° | 2696.0 | 2734.7 | 2912.0 | 3333.3 | 4048.0 | 4808.0 | 5433.3 | 5734.6 | 5761.3 | 5712.0 | 5236.0 |
| 65°   | 2189.3 | 2244.0 | 2461.3 | 2958.7 | 3898.6 | 4933.3 | 5689.3 | 6029.3 | 6074.6 | 5885.3 | 5272.0 |
| 67.5° | 1700.0 | 1738.7 | 1913.3 | 2348.0 | 3374.6 | 4870.6 | 5854.6 | 6232.0 | 6245.3 | 5857.3 | 5072.0 |
| 68°   | 1612.0 | 1650.7 | 1817.3 | 2220.0 | 3229.3 | 4796.0 | 5850.6 | 6237.3 | 6266.6 | 5826.6 | 4994.6 |
| 70°   | 1233.3 | 1277.3 | 1436.0 | 1758.7 | 2602.7 | 4321.3 | 5606.6 | 6109.3 | 6105.3 | 5456.0 | 4514.6 |
| 72.5° | 770.7  | 796.0  | 905.3  | 1109.3 | 1721.3 | 3288.0 | 4758.6 | 5388.0 | 5398.6 | 4448.0 | 3462.6 |
| 75°   | 489.3  | 489.3  | 484.0  | 537.3  | 882.7  | 1873.3 | 3537.3 | 4148.0 | 4156.0 | 3114.7 | 2182.7 |
| 77.5° | 425.3  | 413.3  | 356.0  | 301.3  | 352.0  | 728.0  | 2093.3 | 2678.7 | 2634.7 | 1677.3 | 1036.0 |
| 80°   | 358.7  | 338.7  | 292.0  | 242.7  | 226.7  | 228.0  | 804.0  | 1360.0 | 1301.3 | 604.0  | 344.0  |
| 82.5° | 258.7  | 241.3  | 220.0  | 190.7  | 174.7  | 136.0  | 168.0  | 393.3  | 384.0  | 174.7  | 112.0  |
| 85°   | 140.0  | 126.7  | 124.0  | 125.3  | 105.3  | 84.0   | 70.7   | 86.7   | 86.7   | 76.0   | 64.0   |
| 87.5° | 49.3   | 36.0   | 42.7   | 48.0   | 41.3   | 34.7   | 28.0   | 33.3   | 34.7   | 33.3   | 30.7   |
| 90°   | 0.0    | 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 | 1321.3 |
| 2.5°  | 1326.7 | 1340.0 | 1372.0 | 1400.0 | 1420.0 | 1437.3 | 1446.7 | 1450.7 | 1460.0 | 1461.3 | 1458.7 |
| 5°    | 1337.3 | 1372.0 | 1420.0 | 1461.3 | 1484.0 | 1493.3 | 1496.0 | 1497.3 | 1493.3 | 1496.0 | 1493.3 |
| 7.5°  | 1365.3 | 1409.3 | 1477.3 | 1513.3 | 1517.3 | 1502.7 | 1504.0 | 1498.7 | 1504.0 | 1509.3 | 1509.3 |
| 10°   | 1408.0 | 1464.0 | 1528.0 | 1541.3 | 1524.0 | 1516.0 | 1532.0 | 1564.0 | 1574.7 | 1589.3 | 1589.3 |
| 12.5° | 1464.0 | 1530.7 | 1576.0 | 1564.0 | 1548.0 | 1574.7 | 1621.3 | 1653.3 | 1664.0 | 1669.3 | 1665.3 |
| 15°   | 1528.0 | 1600.0 | 1622.7 | 1582.7 | 1612.0 | 1669.3 | 1685.3 | 1666.7 | 1640.0 | 1628.0 | 1634.7 |
| 17.5° | 1609.3 | 1669.3 | 1656.0 | 1629.3 | 1696.0 | 1704.0 | 1652.0 | 1592.0 | 1549.3 | 1533.3 | 1544.0 |
| 20°   | 1694.7 | 1746.7 | 1685.3 | 1697.3 | 1738.7 | 1653.3 | 1554.7 | 1477.3 | 1440.0 | 1433.3 | 1444.0 |
| 22.5° | 1785.3 | 1818.7 | 1714.7 | 1776.0 | 1714.7 | 1541.3 | 1422.7 | 1382.7 | 1373.3 | 1384.0 | 1393.3 |
| 25°   | 1888.0 | 1884.0 | 1765.3 | 1800.0 | 1625.3 | 1404.0 | 1333.3 | 1330.7 | 1330.7 | 1337.3 | 1350.7 |
| 27.5° | 2004.0 | 1941.3 | 1816.0 | 1768.0 | 1470.7 | 1290.7 | 1277.3 | 1278.7 | 1274.7 | 1276.0 | 1282.7 |
| 30°   | 2138.7 | 2018.7 | 1872.0 | 1662.7 | 1297.3 | 1205.3 | 1200.0 | 1196.0 | 1186.7 | 1184.0 | 1186.7 |
| 32.5° | 2308.0 | 2100.0 | 1929.3 | 1489.3 | 1145.3 | 1117.3 | 1114.7 | 1093.3 | 1070.7 | 1068.0 | 1077.3 |
| 35°   | 2522.7 | 2248.0 | 1958.7 | 1272.0 | 1020.0 | 1018.7 | 1009.3 | 976.0  | 946.7  | 946.7  | 940.0  |
| 37.5° | 2768.0 | 2438.7 | 1970.7 | 1060.0 | 916.0  | 922.7  | 896.0  | 853.3  | 830.7  | 817.3  | 821.3  |
| 40°   | 3018.7 | 2656.0 | 1969.3 | 874.7  | 825.3  | 826.7  | 806.7  | 754.7  | 698.7  | 665.3  | 673.3  |
| 42.5° | 3260.0 | 2853.3 | 1934.7 | 776.0  | 752.0  | 748.0  | 732.0  | 661.3  | 614.7  | 588.0  | 589.3  |
| 45°   | 3453.3 | 3057.3 | 1881.3 | 717.3  | 685.3  | 692.0  | 656.0  | 613.3  | 570.7  | 546.7  | 545.3  |
| 47.5° | 3646.6 | 3212.0 | 1796.0 | 681.3  | 636.0  | 624.0  | 609.3  | 580.0  | 548.0  | 521.3  | 522.7  |
| 50°   | 3822.6 | 3344.0 | 1716.0 | 657.3  | 590.7  | 560.0  | 562.7  | 545.3  | 517.3  | 493.3  | 492.0  |
| 52.5° | 3946.6 | 3430.6 | 1672.0 | 644.0  | 536.0  | 502.7  | 512.0  | 502.7  | 476.0  | 458.7  | 457.3  |
| 55°   | 4070.6 | 3497.3 | 1686.7 | 626.7  | 476.0  | 449.3  | 465.3  | 462.7  | 448.0  | 442.7  | 444.0  |
| 57.5° | 4170.6 | 3548.0 | 1738.7 | 594.7  | 418.7  | 402.7  | 429.3  | 421.3  | 410.7  | 412.0  | 412.0  |
| 60°   | 4268.0 | 3613.3 | 1800.0 | 521.3  | 369.3  | 370.7  | 396.0  | 381.3  | 374.7  | 386.7  | 388.0  |
| 62.5° | 4369.3 | 3684.0 | 1749.3 | 414.7  | 326.7  | 336.0  | 365.3  | 353.3  | 356.0  | 373.3  | 378.7  |
| 65°   | 4357.3 | 3677.3 | 1425.3 | 340.0  | 289.3  | 308.0  | 352.0  | 348.0  | 349.3  | 356.0  | 358.7  |
| 67.5° | 4112.0 | 3442.6 | 980.0  | 289.3  | 262.7  | 285.3  | 341.3  | 325.3  | 326.7  | 322.7  | 324.0  |
| 68°   | 4029.3 | 3360.0 | 864.0  | 281.3  | 257.3  | 280.0  | 336.0  | 321.3  | 322.7  | 318.7  | 317.3  |
| 70°   | 3578.6 | 2877.3 | 546.7  | 248.0  | 238.7  | 265.3  | 309.3  | 304.0  | 302.7  | 300.0  | 300.0  |
| 72.5° | 2728.0 | 2124.0 | 288.0  | 214.7  | 217.3  | 242.7  | 276.0  | 286.7  | 280.0  | 281.3  | 289.3  |
| 75°   | 1806.7 | 1277.3 | 200.0  | 184.0  | 190.7  | 208.0  | 245.3  | 266.7  | 260.0  | 264.0  | 260.0  |
| 77.5° | 956.0  | 688.0  | 160.0  | 156.0  | 156.0  | 168.0  | 202.7  | 236.0  | 236.0  | 233.3  | 229.3  |
| 80°   | 313.3  | 242.7  | 128.0  | 122.7  | 125.3  | 132.0  | 162.7  | 193.3  | 197.3  | 192.0  | 189.3  |
| 82.5° | 105.3  | 112.0  | 96.0   | 89.3   | 92.0   | 97.3   | 122.7  | 148.0  | 149.3  | 138.7  | 136.0  |
| 85°   | 65.3   | 74.7   | 60.0   | 58.7   | 58.7   | 60.0   | 74.7   | 81.3   | 74.7   | 66.7   | 69.3   |
| 87.5° | 30.7   | 37.3   | 28.0   | 24.0   | 20.0   | 17.3   | 13.3   | 5.3    | 5.3    | 2.7    | 2.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)