

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: P1210775

Luminaire Tested: **ARCH3-70-722-U-T3RE**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1210775  
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: ARCH3-70-722-U-T3RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 580mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY  
ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10050 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 73.1  
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

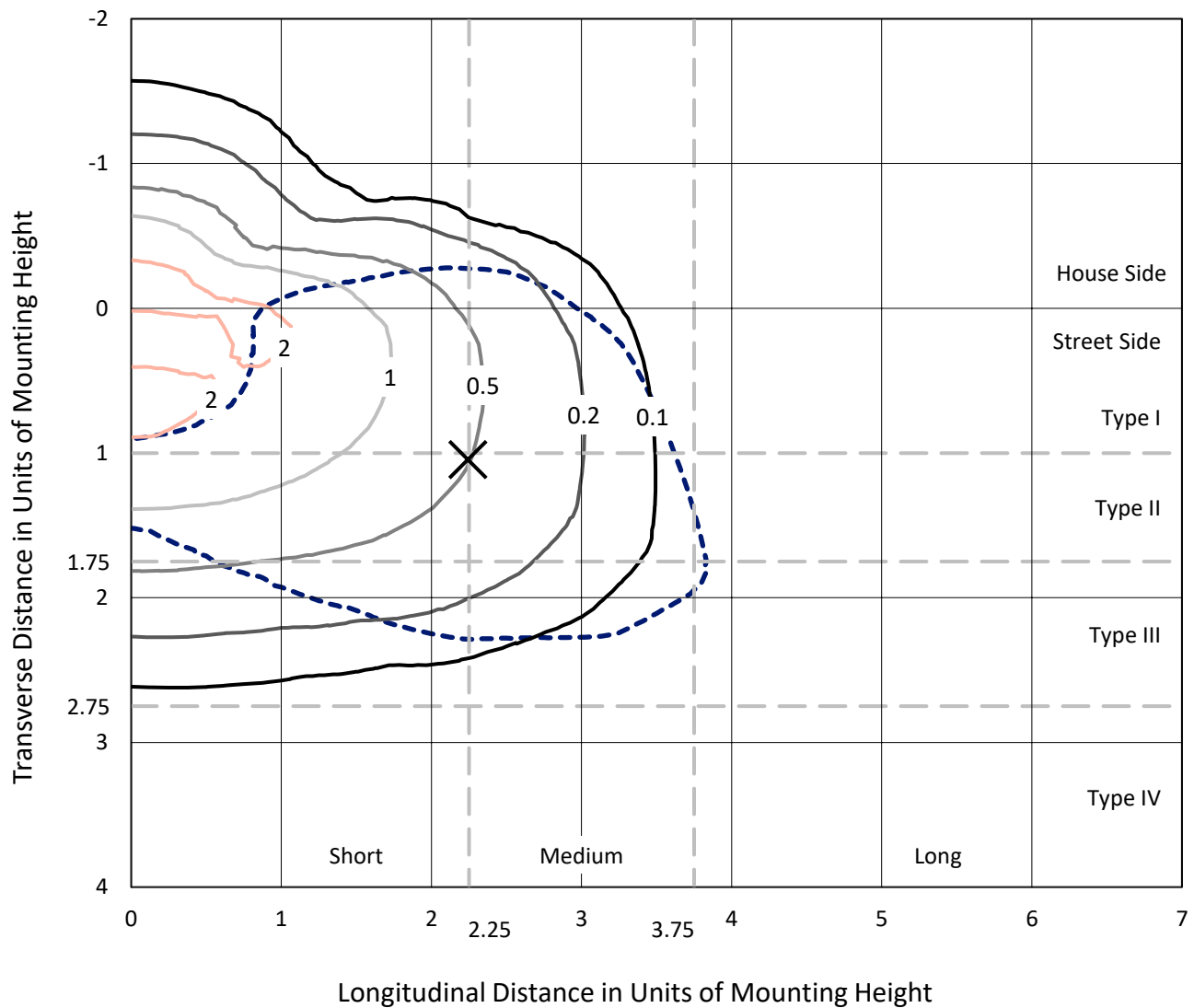


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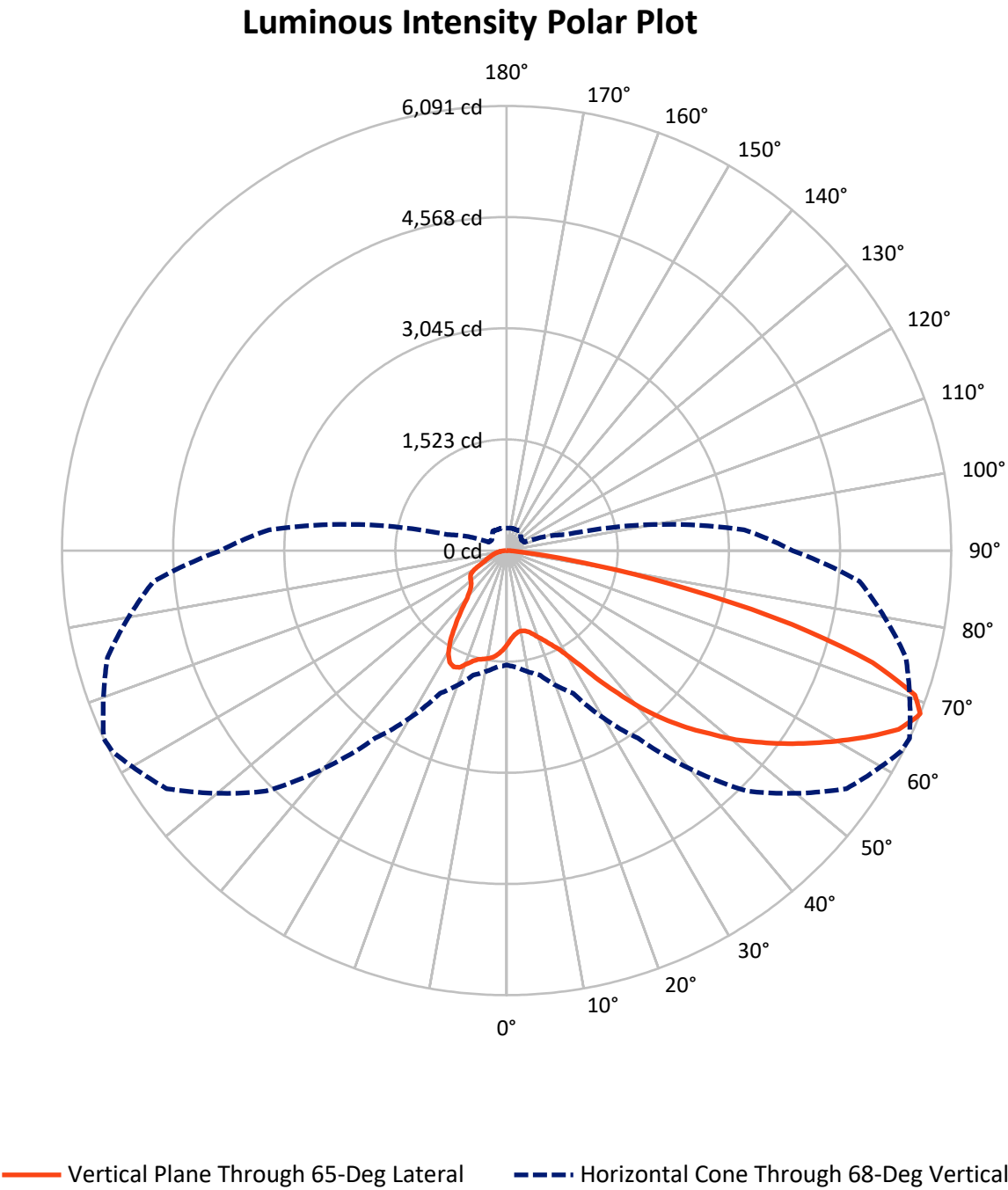
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
Type III - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2464.0   | 0.0    | 2464.0  |
|                    | % Fixture | 24.5     | 0.0    | 24.5    |
| <b>Street Side</b> | Lumens    | 7586.0   | 0.0    | 7586.0  |
|                    | % Fixture | 75.5     | 0.0    | 75.5    |
| <b>Total</b>       | Lumens    | 10050.0  | 0.0    | 10050.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 122.7   | 1.2       |
| 10°-20°   | 399.6   | 4.0       |
| 20°-30°   | 723.3   | 7.2       |
| 30°-40°   | 1137.8  | 11.3      |
| 40°-50°   | 1694.7  | 16.9      |
| 50°-60°   | 2223.1  | 22.1      |
| 60°-70°   | 2431.1  | 24.2      |
| 70°-80°   | 1203.0  | 12.0      |
| 80°-90°   | 114.7   | 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°    | 10050.0 | 100.0     |
| 0°-180°   | 10050.0 | 100.0     |

**Coefficient of Utilization**



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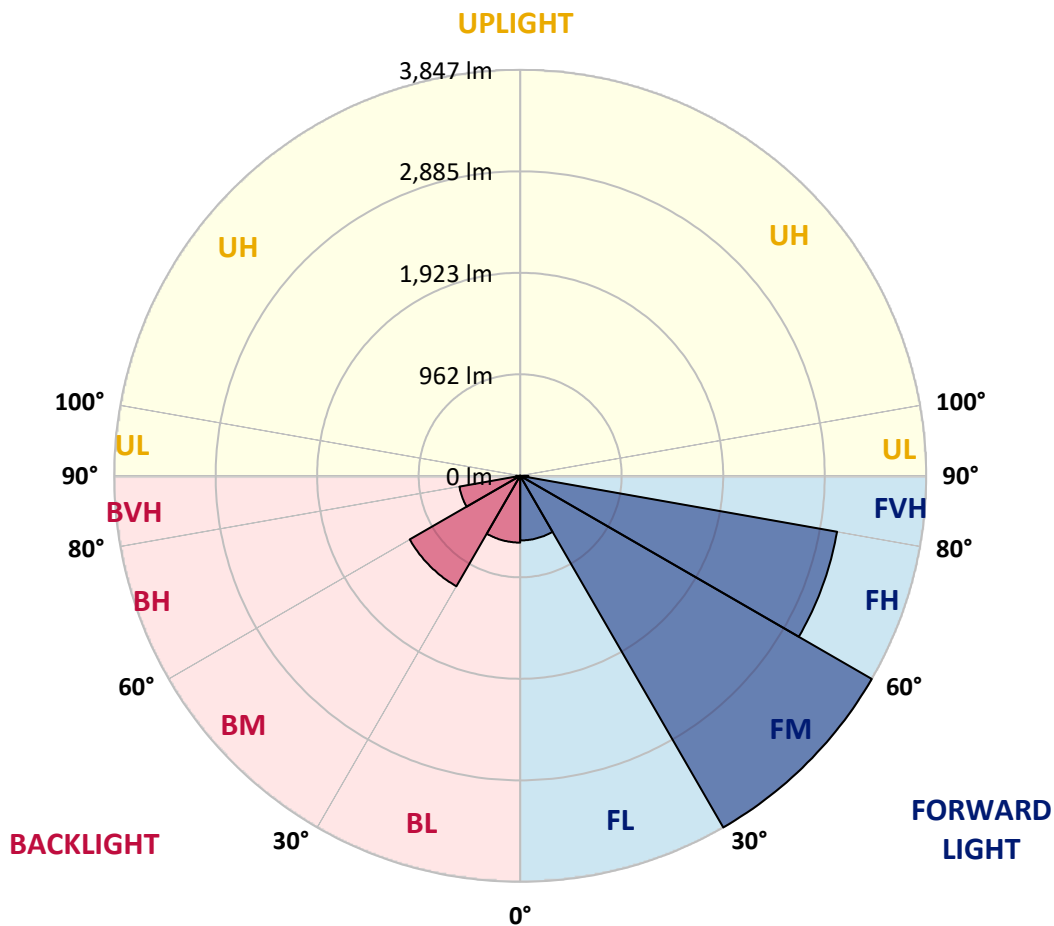
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 612.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 3847.0 | 38.3      |                         |      |         |
| FH   | (60°-80°)   | 3049.2 | 30.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 77.2   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 633.0  | 6.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1208.6 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 584.8  | 5.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 37.6   | 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°    | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 |
| 2.5°  | 1121.0 | 1118.4 | 1124.9 | 1131.3 | 1145.6 | 1162.5 | 1185.8 | 1205.2 | 1207.8 | 1244.1 | 1272.6 |
| 5°    | 1054.9 | 1051.0 | 1057.5 | 1065.3 | 1071.7 | 1092.5 | 1117.1 | 1145.6 | 1157.3 | 1210.4 | 1271.3 |
| 7.5°  | 1061.4 | 1060.1 | 1062.7 | 1060.1 | 1060.1 | 1069.1 | 1086.0 | 1114.5 | 1127.5 | 1191.0 | 1277.8 |
| 10°   | 1098.9 | 1101.5 | 1102.8 | 1095.1 | 1087.3 | 1083.4 | 1088.6 | 1108.0 | 1117.1 | 1192.3 | 1306.3 |
| 12.5° | 1161.2 | 1165.0 | 1166.3 | 1152.1 | 1141.7 | 1124.9 | 1115.8 | 1123.6 | 1130.1 | 1205.2 | 1346.5 |
| 15°   | 1245.4 | 1248.0 | 1238.9 | 1229.8 | 1203.9 | 1183.2 | 1161.2 | 1154.7 | 1157.3 | 1232.4 | 1391.8 |
| 17.5° | 1343.9 | 1340.0 | 1340.0 | 1318.0 | 1284.3 | 1251.9 | 1215.6 | 1210.4 | 1210.4 | 1276.5 | 1456.6 |
| 20°   | 1451.4 | 1455.3 | 1443.7 | 1413.9 | 1380.2 | 1329.6 | 1293.3 | 1270.0 | 1272.6 | 1327.0 | 1535.7 |
| 22.5° | 1607.0 | 1613.4 | 1582.3 | 1539.6 | 1487.7 | 1429.4 | 1377.6 | 1340.0 | 1341.3 | 1393.1 | 1617.3 |
| 25°   | 1774.1 | 1776.7 | 1757.3 | 1700.3 | 1630.3 | 1547.3 | 1478.7 | 1430.7 | 1429.4 | 1467.0 | 1722.3 |
| 27.5° | 1945.2 | 1956.9 | 1918.0 | 1863.5 | 1798.8 | 1695.1 | 1604.4 | 1539.6 | 1529.2 | 1579.7 | 1853.2 |
| 30°   | 2121.4 | 2135.7 | 2098.1 | 2045.0 | 1964.6 | 1876.5 | 1768.9 | 1693.8 | 1687.3 | 1754.7 | 2028.1 |
| 32.5° | 2299.0 | 2302.9 | 2273.1 | 2229.0 | 2156.4 | 2073.5 | 1986.7 | 1903.7 | 1897.2 | 2007.4 | 2254.9 |
| 35°   | 2444.1 | 2455.8 | 2435.1 | 2424.7 | 2371.6 | 2295.1 | 2210.9 | 2162.9 | 2179.8 | 2321.0 | 2549.1 |
| 37.5° | 2619.1 | 2630.7 | 2607.4 | 2604.8 | 2588.0 | 2521.9 | 2463.6 | 2467.5 | 2484.3 | 2676.1 | 2858.8 |
| 40°   | 2871.8 | 2884.7 | 2825.1 | 2799.2 | 2799.2 | 2734.4 | 2715.0 | 2807.0 | 2829.0 | 3026.0 | 3181.5 |
| 42.5° | 3085.6 | 3106.3 | 3071.4 | 3054.5 | 3004.0 | 2958.6 | 2981.9 | 3111.5 | 3149.1 | 3360.3 | 3462.7 |
| 45°   | 3189.3 | 3204.8 | 3246.3 | 3295.6 | 3246.3 | 3167.3 | 3255.4 | 3401.8 | 3455.0 | 3668.8 | 3743.9 |
| 47.5° | 3245.0 | 3259.3 | 3307.2 | 3439.4 | 3473.1 | 3407.0 | 3531.4 | 3714.1 | 3750.4 | 3974.6 | 4012.2 |
| 50°   | 3252.8 | 3298.1 | 3360.3 | 3492.5 | 3646.8 | 3655.8 | 3808.7 | 4031.6 | 4074.4 | 4275.3 | 4248.1 |
| 52.5° | 3189.3 | 3207.4 | 3335.7 | 3558.6 | 3729.7 | 3885.2 | 4110.7 | 4336.2 | 4367.3 | 4557.8 | 4456.7 |
| 55°   | 3085.6 | 3111.5 | 3239.8 | 3543.1 | 3810.0 | 4102.9 | 4417.8 | 4635.5 | 4670.5 | 4832.5 | 4649.8 |
| 57.5° | 2992.3 | 3005.3 | 3142.6 | 3497.7 | 3890.4 | 4320.6 | 4691.3 | 4947.9 | 4971.2 | 5073.6 | 4792.4 |
| 60°   | 2888.6 | 2902.9 | 3040.3 | 3400.5 | 3950.0 | 4485.2 | 4976.4 | 5262.8 | 5283.5 | 5327.6 | 4958.2 |
| 62.5° | 2620.4 | 2658.0 | 2830.3 | 3239.8 | 3934.4 | 4673.1 | 5280.9 | 5573.8 | 5599.7 | 5551.8 | 5089.1 |
| 65°   | 2127.9 | 2181.1 | 2392.3 | 2875.7 | 3789.3 | 4794.9 | 5529.7 | 5860.2 | 5904.3 | 5720.2 | 5124.1 |
| 67.5° | 1652.3 | 1689.9 | 1859.7 | 2282.1 | 3280.0 | 4734.0 | 5690.4 | 6057.2 | 6070.1 | 5693.0 | 4929.7 |
| 68°   | 1566.8 | 1604.4 | 1766.4 | 2157.7 | 3138.7 | 4661.5 | 5686.5 | 6062.4 | 6090.9 | 5663.2 | 4854.6 |
| 70°   | 1198.7 | 1241.5 | 1395.7 | 1709.3 | 2529.7 | 4200.1 | 5449.4 | 5938.0 | 5934.1 | 5303.0 | 4388.0 |
| 72.5° | 749.0  | 773.7  | 879.9  | 1078.2 | 1673.0 | 3195.8 | 4625.2 | 5236.9 | 5247.2 | 4323.2 | 3365.5 |
| 75°   | 475.6  | 475.6  | 470.4  | 522.3  | 857.9  | 1820.8 | 3438.1 | 4031.6 | 4039.4 | 3027.3 | 2121.4 |
| 77.5° | 413.4  | 401.7  | 346.0  | 292.9  | 342.1  | 707.6  | 2034.6 | 2603.5 | 2560.8 | 1630.3 | 1006.9 |
| 80°   | 348.6  | 329.2  | 283.8  | 235.9  | 220.3  | 221.6  | 781.4  | 1321.8 | 1264.8 | 587.1  | 334.4  |
| 82.5° | 251.4  | 234.6  | 213.8  | 185.3  | 169.8  | 132.2  | 163.3  | 382.3  | 373.2  | 169.8  | 108.9  |
| 85°   | 136.1  | 123.1  | 120.5  | 121.8  | 102.4  | 81.6   | 68.7   | 84.2   | 84.2   | 73.9   | 62.2   |
| 87.5° | 47.9   | 35.0   | 41.5   | 46.7   | 40.2   | 33.7   | 27.2   | 32.4   | 33.7   | 32.4   | 29.8   |
| 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°    | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 | 1284.3 |
| 2.5°  | 1289.5 | 1302.4 | 1333.5 | 1360.7 | 1380.2 | 1397.0 | 1406.1 | 1410.0 | 1419.0 | 1420.3 | 1417.7 |
| 5°    | 1299.8 | 1333.5 | 1380.2 | 1420.3 | 1442.4 | 1451.4 | 1454.0 | 1455.3 | 1451.4 | 1454.0 | 1451.4 |
| 7.5°  | 1327.0 | 1369.8 | 1435.9 | 1470.9 | 1474.8 | 1460.5 | 1461.8 | 1456.6 | 1461.8 | 1467.0 | 1467.0 |
| 10°   | 1368.5 | 1422.9 | 1485.1 | 1498.1 | 1481.2 | 1473.5 | 1489.0 | 1520.1 | 1530.5 | 1544.7 | 1544.7 |
| 12.5° | 1422.9 | 1487.7 | 1531.8 | 1520.1 | 1504.6 | 1530.5 | 1575.9 | 1607.0 | 1617.3 | 1622.5 | 1618.6 |
| 15°   | 1485.1 | 1555.1 | 1577.1 | 1538.3 | 1566.8 | 1622.5 | 1638.1 | 1619.9 | 1594.0 | 1582.3 | 1588.8 |
| 17.5° | 1564.2 | 1622.5 | 1609.5 | 1583.6 | 1648.4 | 1656.2 | 1605.7 | 1547.3 | 1505.9 | 1490.3 | 1500.7 |
| 20°   | 1647.1 | 1697.7 | 1638.1 | 1649.7 | 1689.9 | 1607.0 | 1511.1 | 1435.9 | 1399.6 | 1393.1 | 1403.5 |
| 22.5° | 1735.3 | 1767.7 | 1666.6 | 1726.2 | 1666.6 | 1498.1 | 1382.8 | 1343.9 | 1334.8 | 1345.2 | 1354.2 |
| 25°   | 1835.0 | 1831.2 | 1715.8 | 1749.5 | 1579.7 | 1364.6 | 1295.9 | 1293.3 | 1293.3 | 1299.8 | 1312.8 |
| 27.5° | 1947.8 | 1886.9 | 1765.1 | 1718.4 | 1429.4 | 1254.5 | 1241.5 | 1242.8 | 1238.9 | 1240.2 | 1246.7 |
| 30°   | 2078.7 | 1962.0 | 1819.5 | 1616.0 | 1260.9 | 1171.5 | 1166.3 | 1162.5 | 1153.4 | 1150.8 | 1153.4 |
| 32.5° | 2243.3 | 2041.1 | 1875.2 | 1447.6 | 1113.2 | 1086.0 | 1083.4 | 1062.7 | 1040.6 | 1038.0 | 1047.1 |
| 35°   | 2451.9 | 2184.9 | 1903.7 | 1236.3 | 991.4  | 990.1  | 981.0  | 948.6  | 920.1  | 920.1  | 913.6  |
| 37.5° | 2690.4 | 2370.3 | 1915.4 | 1030.3 | 890.3  | 896.8  | 870.9  | 829.4  | 807.4  | 794.4  | 798.3  |
| 40°   | 2934.0 | 2581.5 | 1914.1 | 850.1  | 802.2  | 803.5  | 784.0  | 733.5  | 679.1  | 646.7  | 654.4  |
| 42.5° | 3168.6 | 2773.3 | 1880.4 | 754.2  | 730.9  | 727.0  | 711.5  | 642.8  | 597.4  | 571.5  | 572.8  |
| 45°   | 3356.5 | 2971.6 | 1828.6 | 697.2  | 666.1  | 672.6  | 637.6  | 596.1  | 554.7  | 531.3  | 530.0  |
| 47.5° | 3544.4 | 3121.9 | 1745.6 | 662.2  | 618.2  | 606.5  | 592.2  | 563.7  | 532.6  | 506.7  | 508.0  |
| 50°   | 3715.4 | 3250.2 | 1667.9 | 638.9  | 574.1  | 544.3  | 546.9  | 530.0  | 502.8  | 479.5  | 478.2  |
| 52.5° | 3836.0 | 3334.4 | 1625.1 | 625.9  | 521.0  | 488.6  | 497.6  | 488.6  | 462.6  | 445.8  | 444.5  |
| 55°   | 3956.5 | 3399.2 | 1639.4 | 609.1  | 462.6  | 436.7  | 452.3  | 449.7  | 435.4  | 430.2  | 431.5  |
| 57.5° | 4053.7 | 3448.5 | 1689.9 | 578.0  | 406.9  | 391.4  | 417.3  | 409.5  | 399.1  | 400.4  | 400.4  |
| 60°   | 4148.3 | 3512.0 | 1749.5 | 506.7  | 359.0  | 360.3  | 384.9  | 370.6  | 364.2  | 375.8  | 377.1  |
| 62.5° | 4246.8 | 3580.7 | 1700.3 | 403.0  | 317.5  | 326.6  | 355.1  | 343.4  | 346.0  | 362.9  | 368.0  |
| 65°   | 4235.1 | 3574.2 | 1385.4 | 330.5  | 281.2  | 299.4  | 342.1  | 338.2  | 339.5  | 346.0  | 348.6  |
| 67.5° | 3996.7 | 3346.1 | 952.5  | 281.2  | 255.3  | 277.3  | 331.8  | 316.2  | 317.5  | 313.6  | 314.9  |
| 68°   | 3916.3 | 3265.7 | 839.8  | 273.4  | 250.1  | 272.1  | 326.6  | 312.3  | 313.6  | 309.7  | 308.4  |
| 70°   | 3478.3 | 2796.6 | 531.3  | 241.0  | 232.0  | 257.9  | 300.7  | 295.5  | 294.2  | 291.6  | 291.6  |
| 72.5° | 2651.5 | 2064.4 | 279.9  | 208.6  | 211.2  | 235.9  | 268.3  | 278.6  | 272.1  | 273.4  | 281.2  |
| 75°   | 1756.0 | 1241.5 | 194.4  | 178.8  | 185.3  | 202.2  | 238.5  | 259.2  | 252.7  | 256.6  | 252.7  |
| 77.5° | 929.2  | 668.7  | 155.5  | 151.6  | 151.6  | 163.3  | 197.0  | 229.4  | 229.4  | 226.8  | 222.9  |
| 80°   | 304.5  | 235.9  | 124.4  | 119.2  | 121.8  | 128.3  | 158.1  | 187.9  | 191.8  | 186.6  | 184.0  |
| 82.5° | 102.4  | 108.9  | 93.3   | 86.8   | 89.4   | 94.6   | 119.2  | 143.8  | 145.1  | 134.8  | 132.2  |
| 85°   | 63.5   | 72.6   | 58.3   | 57.0   | 57.0   | 58.3   | 72.6   | 79.1   | 72.6   | 64.8   | 67.4   |
| 87.5° | 29.8   | 36.3   | 27.2   | 23.3   | 19.4   | 16.8   | 13.0   | 5.2    | 5.2    | 2.6    | 2.6    |
| 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)