

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: P1210773

Luminaire Tested: **ARCH3-70-722-U-T2RE**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1210773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH3-70-722-U-T2RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 580mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY  
ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10071 lumens  
Efficiency: N/A  
Efficacy: 137.8 lumens/watt  
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')  
IES Classification: Type II - 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

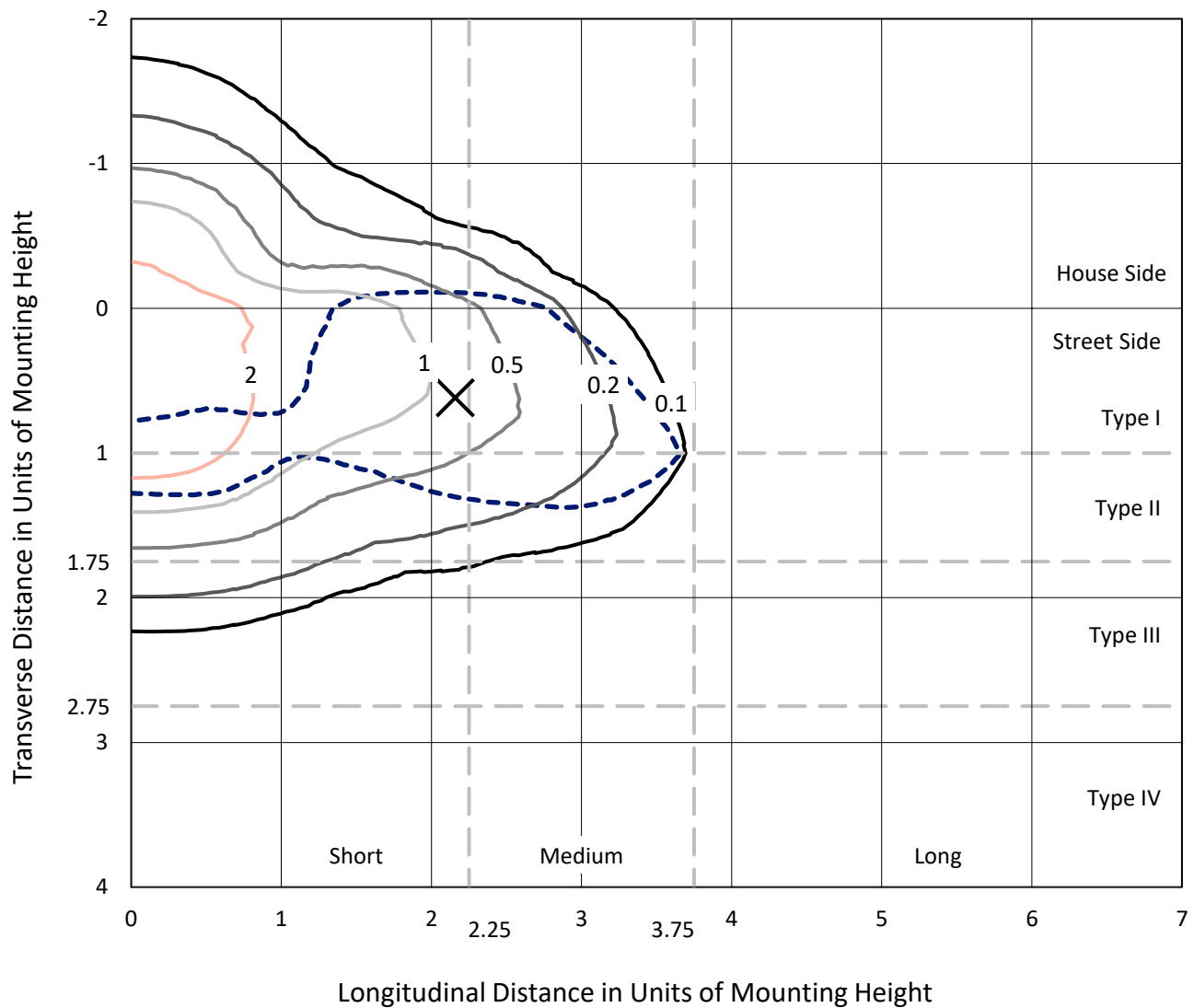


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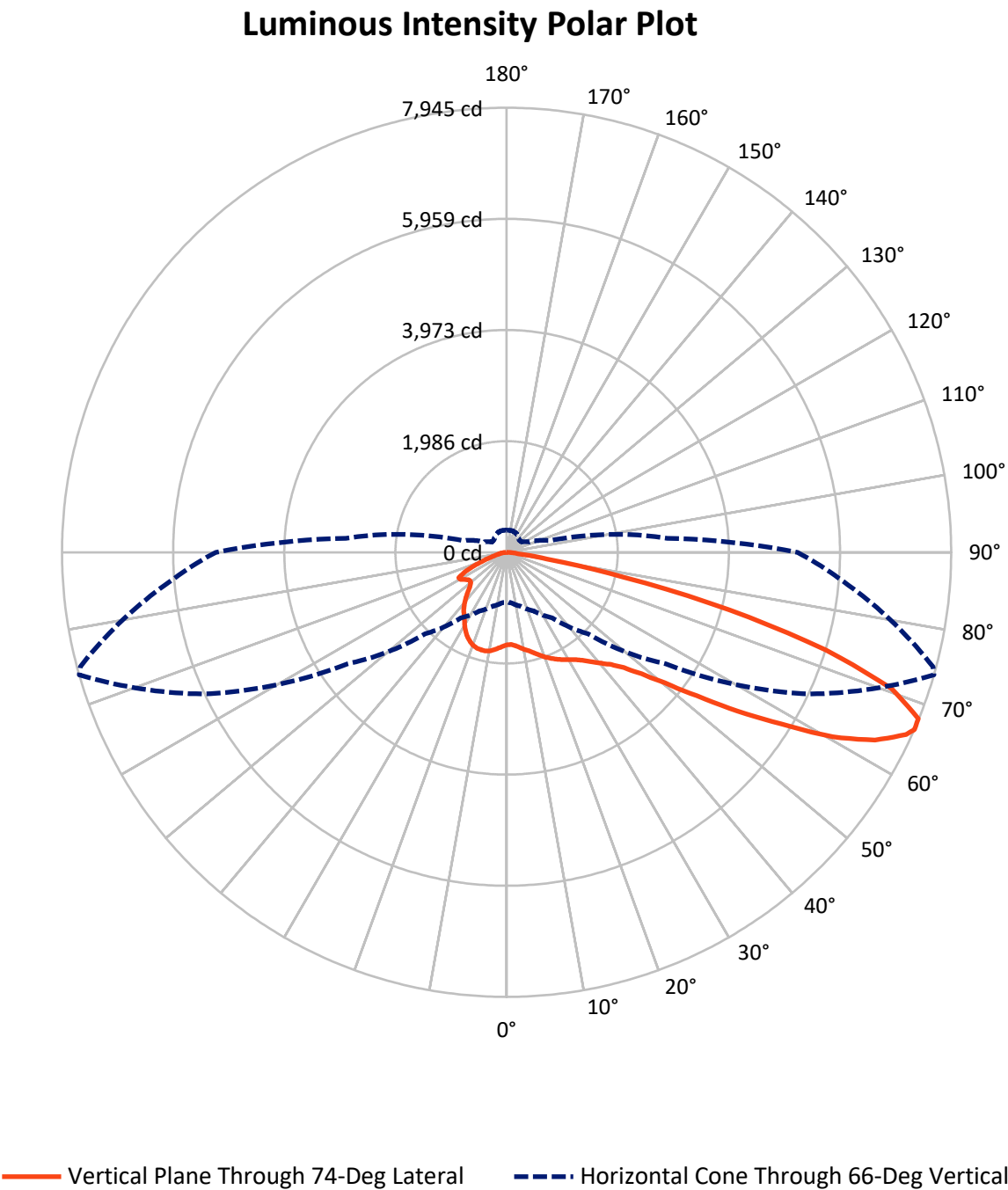
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2452.6   | 0.0    | 2452.6  |
|                    | % Fixture | 24.4     | 0.0    | 24.4    |
| <b>Street Side</b> | Lumens    | 7618.4   | 0.0    | 7618.4  |
|                    | % Fixture | 75.6     | 0.0    | 75.6    |
| <b>Total</b>       | Lumens    | 10071.0  | 0.0    | 10071.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 157.5   | 1.6       |
| 10°-20°   | 484.3   | 4.8       |
| 20°-30°   | 908.8   | 9.0       |
| 30°-40°   | 1398.0  | 13.9      |
| 40°-50°   | 1880.4  | 18.7      |
| 50°-60°   | 2223.8  | 22.1      |
| 60°-70°   | 2057.1  | 20.4      |
| 70°-80°   | 865.4   | 8.6       |
| 80°-90°   | 95.8    | 1.0       |
| 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°    | 10071.0 | 100.0     |
| 0°-180°   | 10071.0 | 100.0     |

**Coefficient of Utilization**



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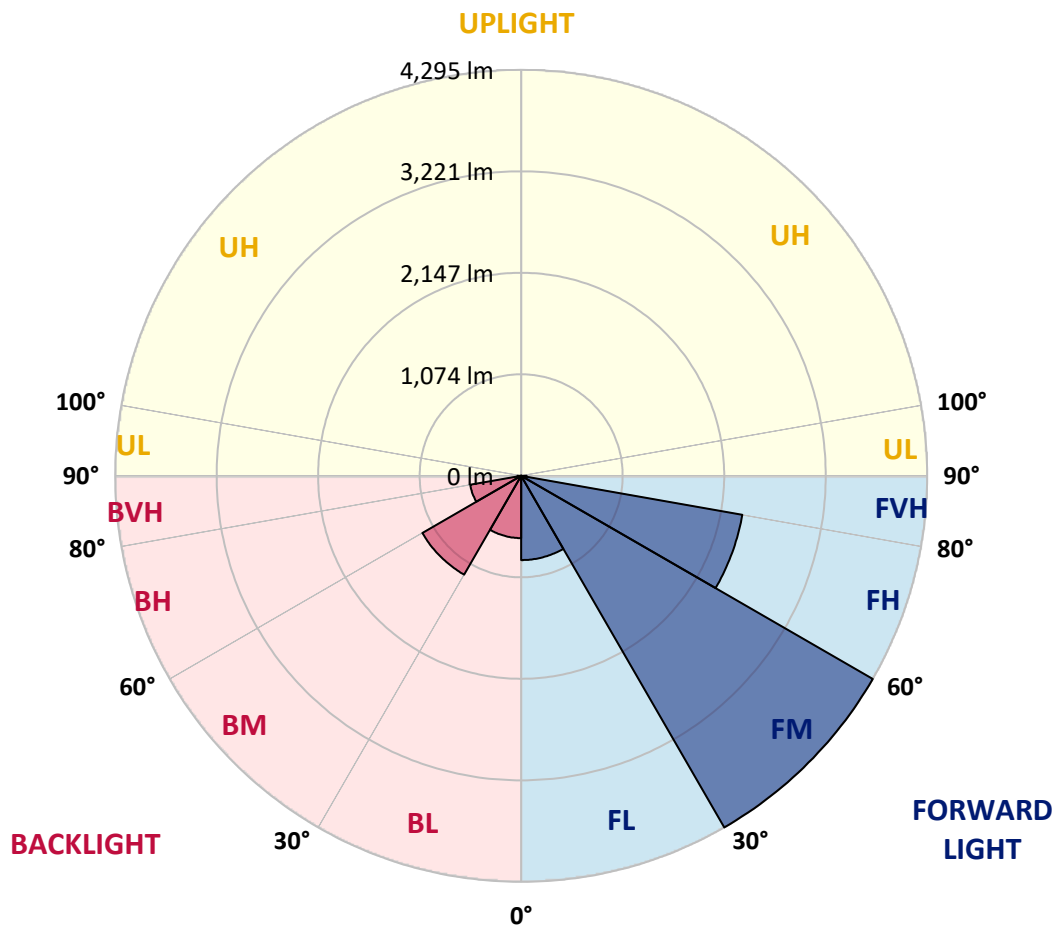
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 891.4  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 4294.7 | 42.6      |                         |      |         |
| FH   | (60°-80°)   | 2375.0 | 23.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 57.3   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 659.2  | 6.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1207.4 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 547.5  | 5.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 38.5   | 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 II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 74°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 |
| 2.5°  | 1645.8 | 1643.2 | 1648.4 | 1656.2 | 1660.0 | 1653.6 | 1651.0 | 1649.7 | 1649.7 | 1645.8 | 1652.3 |
| 5°    | 1568.0 | 1566.7 | 1578.4 | 1592.7 | 1619.9 | 1639.3 | 1665.2 | 1680.8 | 1675.6 | 1667.8 | 1673.0 |
| 7.5°  | 1467.0 | 1464.4 | 1478.6 | 1505.8 | 1543.4 | 1586.2 | 1649.7 | 1698.9 | 1718.4 | 1715.8 | 1714.5 |
| 10°   | 1505.8 | 1503.2 | 1501.9 | 1494.2 | 1507.1 | 1548.6 | 1614.7 | 1701.5 | 1767.6 | 1768.9 | 1770.2 |
| 12.5° | 1640.6 | 1647.1 | 1640.6 | 1616.0 | 1587.5 | 1571.9 | 1610.8 | 1708.0 | 1809.1 | 1816.8 | 1849.2 |
| 15°   | 1824.6 | 1818.1 | 1805.2 | 1776.7 | 1732.6 | 1686.0 | 1657.5 | 1737.8 | 1868.7 | 1875.2 | 1946.4 |
| 17.5° | 1986.6 | 1991.8 | 1984.0 | 1956.8 | 1905.0 | 1844.1 | 1757.2 | 1789.6 | 1932.2 | 1950.3 | 2050.1 |
| 20°   | 2162.9 | 2183.6 | 2173.2 | 2139.5 | 2096.8 | 2006.0 | 1897.2 | 1864.8 | 2002.2 | 2015.1 | 2157.7 |
| 22.5° | 2366.3 | 2388.3 | 2368.9 | 2336.5 | 2301.5 | 2190.1 | 2050.1 | 1956.8 | 2060.5 | 2087.7 | 2261.3 |
| 25°   | 2609.9 | 2630.7 | 2612.5 | 2562.0 | 2517.9 | 2381.9 | 2214.7 | 2060.5 | 2117.5 | 2147.3 | 2345.6 |
| 27.5° | 2803.0 | 2818.6 | 2835.4 | 2805.6 | 2738.2 | 2597.0 | 2385.7 | 2168.0 | 2174.5 | 2205.6 | 2423.3 |
| 30°   | 2975.4 | 3014.3 | 3028.5 | 3032.4 | 2975.4 | 2817.3 | 2560.7 | 2279.5 | 2223.8 | 2256.2 | 2501.1 |
| 32.5° | 3211.2 | 3269.5 | 3246.2 | 3269.5 | 3235.9 | 3024.6 | 2742.1 | 2394.8 | 2287.3 | 2317.1 | 2574.9 |
| 35°   | 3555.9 | 3602.6 | 3541.7 | 3523.5 | 3469.1 | 3234.6 | 2917.1 | 2514.0 | 2371.5 | 2403.9 | 2644.9 |
| 37.5° | 3926.6 | 3979.7 | 3891.6 | 3819.0 | 3715.3 | 3441.9 | 3067.4 | 2670.8 | 2488.1 | 2514.0 | 2709.7 |
| 40°   | 4250.5 | 4294.6 | 4218.1 | 4122.2 | 3948.6 | 3624.6 | 3197.0 | 2781.0 | 2604.8 | 2637.1 | 2784.9 |
| 42.5° | 4549.9 | 4578.4 | 4492.9 | 4400.9 | 4168.9 | 3789.2 | 3336.9 | 2897.6 | 2740.8 | 2771.9 | 2845.8 |
| 45°   | 4853.1 | 4875.2 | 4755.9 | 4625.1 | 4352.9 | 3939.5 | 3491.1 | 3060.9 | 2940.4 | 2981.9 | 2944.3 |
| 47.5° | 4907.6 | 4914.0 | 4893.3 | 4805.2 | 4498.1 | 4083.4 | 3681.6 | 3279.9 | 3244.9 | 3290.3 | 3114.0 |
| 50°   | 4530.5 | 4588.8 | 4717.1 | 4803.9 | 4556.4 | 4203.9 | 3872.1 | 3593.5 | 3664.8 | 3723.1 | 3466.5 |
| 52.5° | 3798.3 | 3854.0 | 4150.8 | 4479.9 | 4416.4 | 4231.1 | 4076.9 | 3991.4 | 4257.0 | 4327.0 | 3946.0 |
| 55°   | 3025.9 | 3075.2 | 3388.8 | 3863.1 | 3964.1 | 4106.7 | 4295.9 | 4499.4 | 5012.5 | 5059.2 | 4472.1 |
| 57.5° | 2492.0 | 2519.2 | 2743.4 | 3199.6 | 3361.6 | 3708.9 | 4413.8 | 5103.2 | 5781.0 | 5852.3 | 4929.6 |
| 60°   | 2043.6 | 2073.4 | 2240.6 | 2616.4 | 2831.5 | 3140.0 | 4320.5 | 5699.4 | 6698.5 | 6698.5 | 5516.6 |
| 62.5° | 1538.2 | 1564.1 | 1719.7 | 2013.8 | 2375.4 | 2657.9 | 4022.5 | 6094.6 | 7390.5 | 7359.4 | 5941.7 |
| 65°   | 1056.2 | 1076.9 | 1189.6 | 1385.3 | 1710.6 | 2265.2 | 3615.6 | 6099.8 | 7849.2 | 7807.8 | 6123.1 |
| 66°   | 886.4  | 904.5  | 1000.4 | 1158.5 | 1432.0 | 2055.3 | 3471.7 | 5989.6 | 7945.1 | 7886.8 | 6046.7 |
| 67.5° | 699.8  | 712.7  | 776.2  | 869.5  | 1049.7 | 1663.9 | 3244.9 | 5677.3 | 7936.1 | 7901.1 | 5852.3 |
| 70°   | 500.2  | 509.3  | 555.9  | 575.4  | 620.7  | 962.9  | 2577.5 | 4972.4 | 7299.8 | 7310.2 | 5087.7 |
| 72.5° | 387.5  | 401.7  | 430.2  | 434.1  | 423.8  | 511.9  | 1564.1 | 4148.2 | 5971.5 | 5967.6 | 3776.2 |
| 75°   | 312.3  | 320.1  | 334.3  | 342.1  | 339.5  | 330.5  | 662.2  | 3094.6 | 4110.6 | 4158.5 | 2114.9 |
| 77.5° | 246.2  | 244.9  | 257.9  | 268.3  | 276.0  | 259.2  | 303.2  | 1814.3 | 2155.1 | 2094.2 | 794.4  |
| 80°   | 181.4  | 181.4  | 199.6  | 203.5  | 215.1  | 217.7  | 202.2  | 699.8  | 740.0  | 672.6  | 206.0  |
| 82.5° | 119.2  | 119.2  | 138.7  | 141.3  | 152.9  | 169.8  | 146.4  | 209.9  | 204.8  | 194.4  | 93.3   |
| 85°   | 64.8   | 62.2   | 68.7   | 77.8   | 84.2   | 99.8   | 88.1   | 105.0  | 107.6  | 106.3  | 62.2   |
| 87.5° | 13.0   | 11.7   | 18.1   | 20.7   | 23.3   | 31.1   | 28.5   | 42.8   | 59.6   | 58.3   | 27.2   |
| 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°    | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 | 1651.0 |
| 2.5°  | 1661.3 | 1660.0 | 1674.3 | 1691.1 | 1710.6 | 1722.2 | 1727.4 | 1736.5 | 1730.0 | 1732.6 | 1740.4 |
| 5°    | 1686.0 | 1689.8 | 1710.6 | 1732.6 | 1741.7 | 1735.2 | 1721.0 | 1715.8 | 1704.1 | 1701.5 | 1698.9 |
| 7.5°  | 1722.2 | 1728.7 | 1749.5 | 1754.6 | 1727.4 | 1682.1 | 1649.7 | 1631.5 | 1612.1 | 1606.9 | 1604.3 |
| 10°   | 1781.9 | 1785.7 | 1790.9 | 1737.8 | 1670.4 | 1609.5 | 1569.3 | 1552.5 | 1539.5 | 1529.2 | 1531.7 |
| 12.5° | 1857.0 | 1854.4 | 1814.3 | 1704.1 | 1608.2 | 1546.0 | 1518.8 | 1508.4 | 1499.4 | 1492.9 | 1491.6 |
| 15°   | 1951.6 | 1933.5 | 1818.1 | 1657.5 | 1549.9 | 1498.1 | 1478.6 | 1474.7 | 1464.4 | 1464.4 | 1463.1 |
| 17.5° | 2047.5 | 2000.9 | 1815.6 | 1608.2 | 1494.2 | 1465.7 | 1454.0 | 1451.4 | 1448.8 | 1447.5 | 1451.4 |
| 20°   | 2143.4 | 2060.5 | 1794.8 | 1547.3 | 1455.3 | 1438.4 | 1435.9 | 1437.1 | 1434.6 | 1438.4 | 1435.9 |
| 22.5° | 2227.6 | 2099.4 | 1755.9 | 1482.5 | 1428.1 | 1426.8 | 1420.3 | 1422.9 | 1432.0 | 1433.3 | 1437.1 |
| 25°   | 2292.4 | 2113.6 | 1698.9 | 1422.9 | 1408.6 | 1406.0 | 1413.8 | 1424.2 | 1432.0 | 1433.3 | 1439.7 |
| 27.5° | 2345.6 | 2105.8 | 1627.6 | 1376.2 | 1374.9 | 1389.2 | 1412.5 | 1416.4 | 1417.7 | 1417.7 | 1412.5 |
| 30°   | 2385.7 | 2089.0 | 1536.9 | 1324.4 | 1330.9 | 1365.9 | 1387.9 | 1387.9 | 1377.5 | 1374.9 | 1382.7 |
| 32.5° | 2394.8 | 2067.0 | 1438.4 | 1271.3 | 1281.6 | 1323.1 | 1350.3 | 1341.3 | 1329.6 | 1329.6 | 1334.8 |
| 35°   | 2402.6 | 2037.1 | 1359.4 | 1198.7 | 1214.3 | 1263.5 | 1289.4 | 1271.3 | 1258.3 | 1254.4 | 1253.1 |
| 37.5° | 2400.0 | 2025.5 | 1288.1 | 1106.7 | 1127.4 | 1175.4 | 1192.2 | 1175.4 | 1155.9 | 1146.9 | 1158.5 |
| 40°   | 2402.6 | 2017.7 | 1198.7 | 1005.6 | 1026.3 | 1054.9 | 1076.9 | 1063.9 | 1045.8 | 1022.5 | 1034.1 |
| 42.5° | 2418.1 | 2028.1 | 1100.2 | 907.1  | 907.1  | 922.7  | 960.3  | 951.2  | 907.1  | 898.1  | 908.4  |
| 45°   | 2501.1 | 2083.8 | 1001.7 | 808.6  | 794.4  | 804.8  | 843.6  | 804.8  | 777.5  | 777.5  | 786.6  |
| 47.5° | 2701.9 | 2187.5 | 914.9  | 721.8  | 688.1  | 708.9  | 719.2  | 682.9  | 662.2  | 657.0  | 666.1  |
| 50°   | 3111.4 | 2394.8 | 863.1  | 650.5  | 609.1  | 624.6  | 618.1  | 616.8  | 596.1  | 598.7  | 603.9  |
| 52.5° | 3733.5 | 2799.1 | 847.5  | 615.6  | 563.7  | 567.6  | 561.1  | 563.7  | 559.8  | 572.8  | 576.7  |
| 55°   | 4411.2 | 3225.5 | 867.0  | 620.7  | 532.6  | 505.4  | 508.0  | 521.0  | 536.5  | 557.2  | 561.1  |
| 57.5° | 4917.9 | 3439.3 | 917.5  | 655.7  | 493.7  | 452.3  | 458.7  | 483.4  | 513.2  | 530.0  | 539.1  |
| 60°   | 5295.0 | 3413.4 | 991.4  | 664.8  | 447.1  | 404.3  | 416.0  | 452.3  | 478.2  | 492.4  | 501.5  |
| 62.5° | 5418.1 | 3251.4 | 1009.5 | 598.7  | 386.2  | 359.0  | 387.5  | 425.1  | 436.7  | 452.3  | 458.7  |
| 65°   | 5317.1 | 3022.0 | 877.3  | 486.0  | 339.5  | 325.3  | 366.7  | 395.2  | 410.8  | 418.6  | 419.9  |
| 66°   | 5197.8 | 2884.7 | 806.0  | 441.9  | 322.7  | 314.9  | 359.0  | 382.3  | 397.8  | 396.5  | 397.8  |
| 67.5° | 4936.1 | 2597.0 | 690.7  | 379.7  | 298.1  | 299.4  | 346.0  | 361.6  | 366.7  | 362.9  | 362.9  |
| 70°   | 4045.8 | 1828.5 | 495.0  | 287.7  | 261.8  | 279.9  | 311.0  | 314.9  | 326.6  | 321.4  | 321.4  |
| 72.5° | 2494.6 | 898.1  | 331.7  | 220.3  | 233.3  | 261.8  | 260.5  | 273.4  | 300.6  | 308.4  | 313.6  |
| 75°   | 1225.9 | 364.1  | 219.0  | 186.6  | 208.6  | 219.0  | 216.4  | 248.8  | 287.7  | 321.4  | 333.0  |
| 77.5° | 465.2  | 181.4  | 152.9  | 163.3  | 168.5  | 164.6  | 172.4  | 225.5  | 287.7  | 348.6  | 360.3  |
| 80°   | 143.8  | 125.7  | 120.5  | 134.8  | 127.0  | 120.5  | 129.6  | 186.6  | 243.6  | 264.4  | 264.4  |
| 82.5° | 86.8   | 98.5   | 93.3   | 92.0   | 85.5   | 86.8   | 93.3   | 133.5  | 187.9  | 197.0  | 197.0  |
| 85°   | 60.9   | 64.8   | 53.1   | 50.5   | 49.2   | 47.9   | 47.9   | 77.8   | 111.4  | 110.2  | 114.0  |
| 87.5° | 23.3   | 25.9   | 19.4   | 19.4   | 18.1   | 13.0   | 10.4   | 13.0   | 13.0   | 9.1    | 6.5    |
| 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)