

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: P1210103

Luminaire Tested: **ARCH2-110-722-U-T3RE**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1210103  
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: ARCH2-110-722-U-T3RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III  
ROADWAY ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11595 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.5  
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

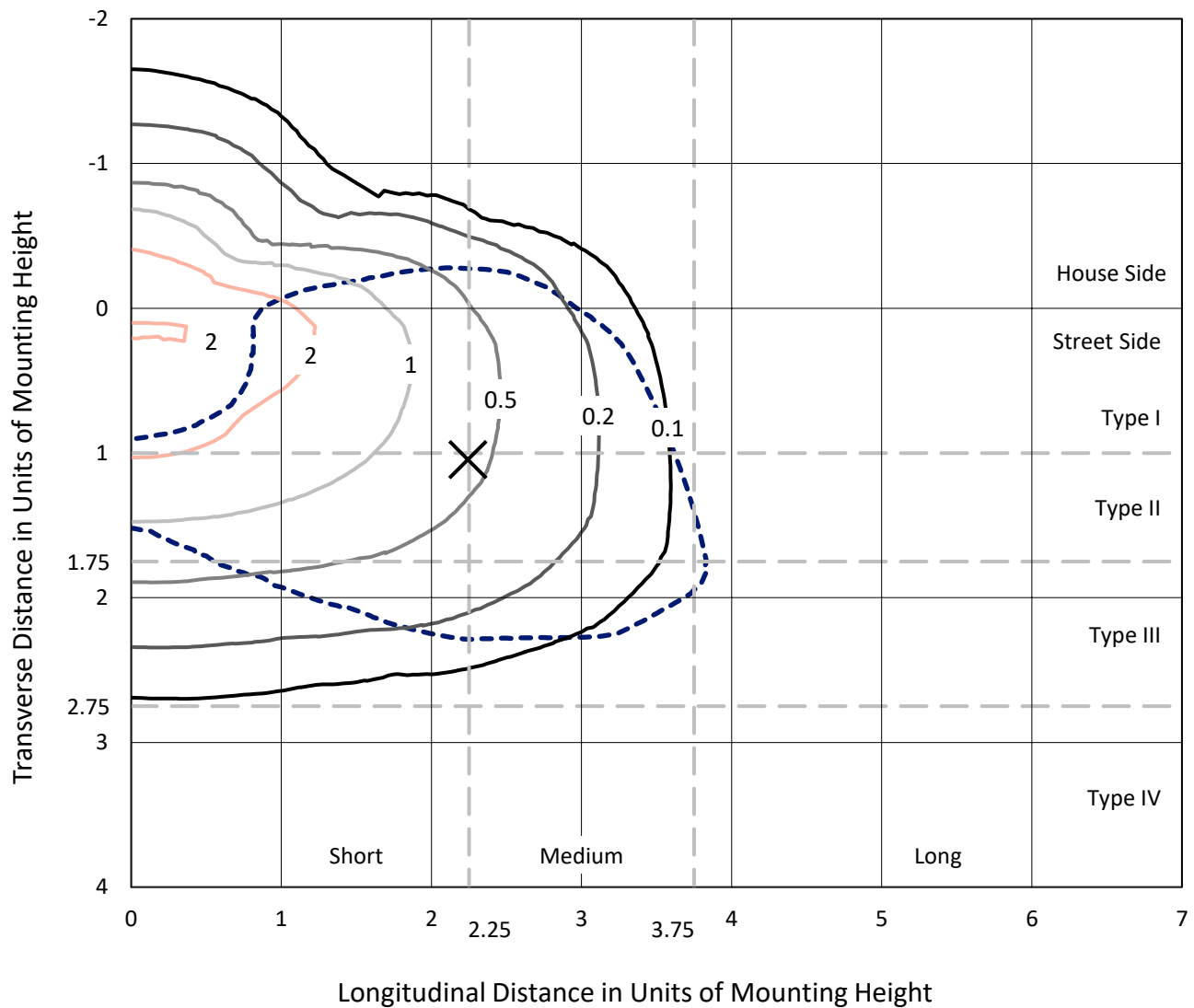


REPORT NUMBER: P1210103

CATALOG NUMBER: ARCH2-110-722-U-T3RE

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

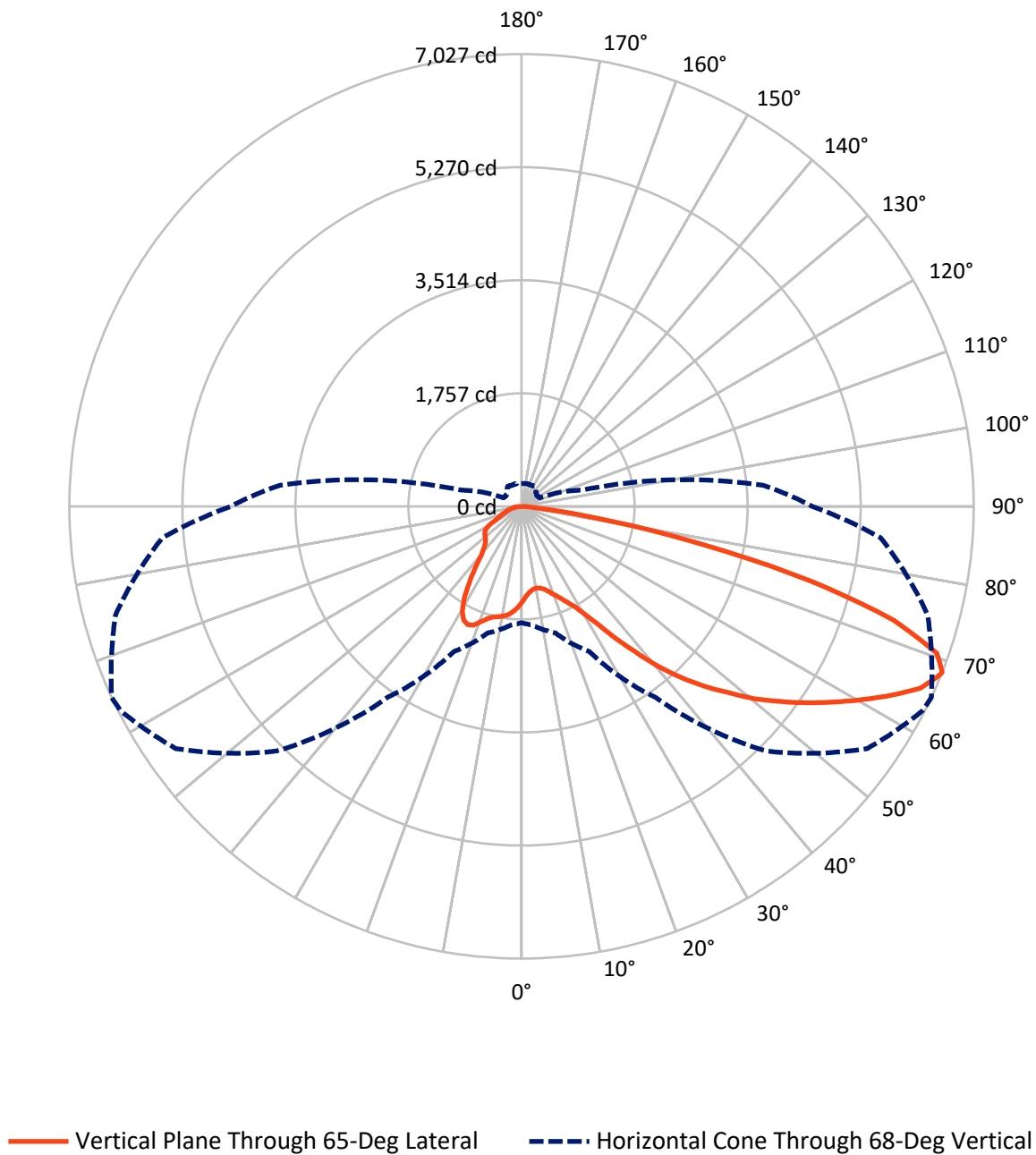


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
Type III - Short - N/A

REPORT NUMBER: P1210103

CATALOG NUMBER: ARCH2-110-722-U-T3RE

## Luminous Intensity Polar Plot



REPORT NUMBER: P1210103

CATALOG NUMBER: ARCH2-110-722-U-T3RE

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2842.8   | 0.0    | 2842.8  |
|                    | % Fixture | 24.5     | 0.0    | 24.5    |
| <b>Street Side</b> | Lumens    | 8752.2   | 0.0    | 8752.2  |
|                    | % Fixture | 75.5     | 0.0    | 75.5    |
| <b>Total</b>       | Lumens    | 11595.0  | 0.0    | 11595.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 141.6   | 1.2       |
| 10°-20°   | 461.1   | 4.0       |
| 20°-30°   | 834.5   | 7.2       |
| 30°-40°   | 1312.7  | 11.3      |
| 40°-50°   | 1955.2  | 16.9      |
| 50°-60°   | 2564.8  | 22.1      |
| 60°-70°   | 2804.8  | 24.2      |
| 70°-80°   | 1387.9  | 12.0      |
| 80°-90°   | 132.4   | 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°    | 11595.0 | 100.0     |
| 0°-180°   | 11595.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1210103

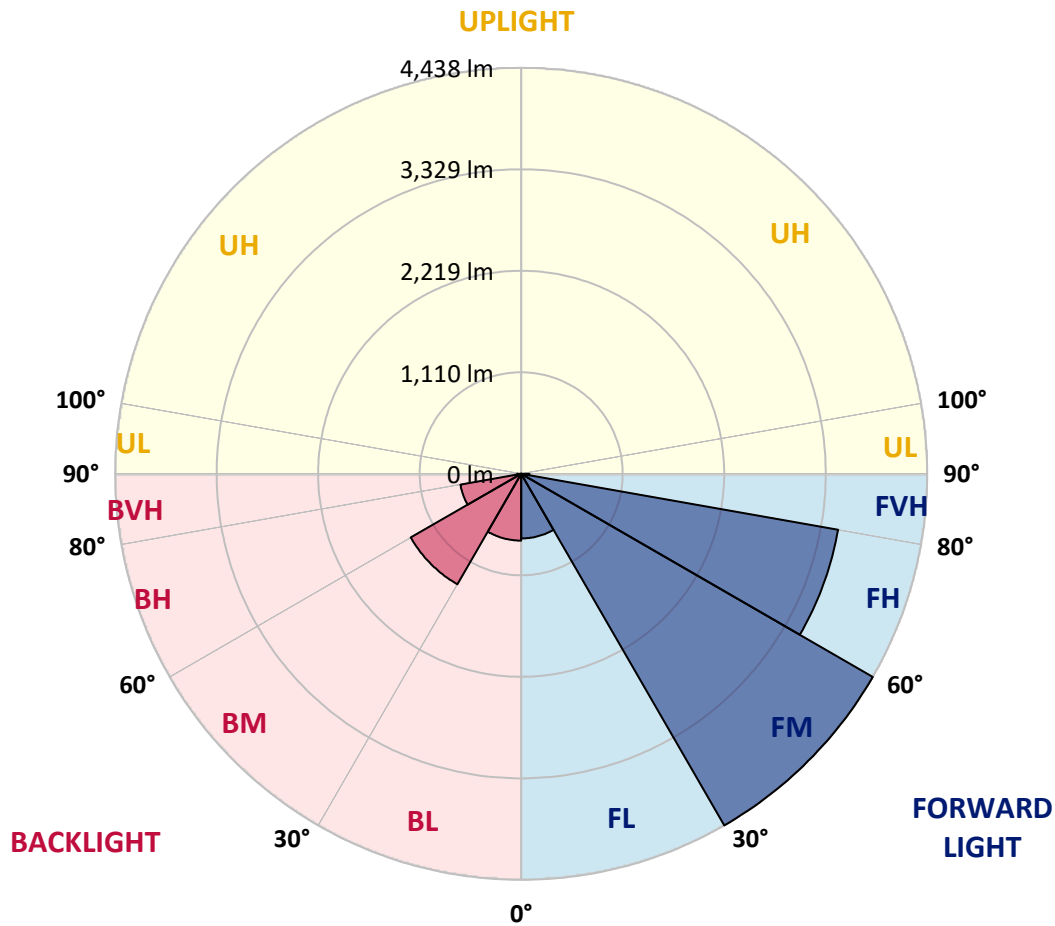
CATALOG NUMBER: ARCH2-110-722-U-T3RE

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 706.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4438.4 | 38.3      |                         |      |         |
| FH   | (60°-80°)   | 3518.0 | 30.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 89.0   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 730.3  | 6.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1394.4 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 674.7  | 5.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 43.4   | 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



REPORT NUMBER: P1210103

CATALOG NUMBER: ARCH2-110-722-U-T3RE

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 |
| 2.5°  | 1293.3 | 1290.3 | 1297.8 | 1305.3 | 1321.7 | 1341.2 | 1368.1 | 1390.5 | 1393.5 | 1435.4 | 1468.2 |
| 5°    | 1217.1 | 1212.6 | 1220.0 | 1229.0 | 1236.5 | 1260.4 | 1288.8 | 1321.7 | 1335.2 | 1396.5 | 1466.7 |
| 7.5°  | 1224.5 | 1223.0 | 1226.0 | 1223.0 | 1223.0 | 1233.5 | 1252.9 | 1285.8 | 1300.8 | 1374.0 | 1474.2 |
| 10°   | 1267.9 | 1270.9 | 1272.4 | 1263.4 | 1254.4 | 1250.0 | 1255.9 | 1278.4 | 1288.8 | 1375.5 | 1507.1 |
| 12.5° | 1339.7 | 1344.1 | 1345.6 | 1329.2 | 1317.2 | 1297.8 | 1287.3 | 1296.3 | 1303.8 | 1390.5 | 1553.5 |
| 15°   | 1436.8 | 1439.8 | 1429.4 | 1418.9 | 1389.0 | 1365.1 | 1339.7 | 1332.2 | 1335.2 | 1421.9 | 1605.8 |
| 17.5° | 1550.5 | 1546.0 | 1546.0 | 1520.6 | 1481.7 | 1444.3 | 1402.5 | 1396.5 | 1396.5 | 1472.7 | 1680.6 |
| 20°   | 1674.6 | 1679.1 | 1665.6 | 1631.2 | 1592.3 | 1534.0 | 1492.2 | 1465.3 | 1468.2 | 1531.0 | 1771.8 |
| 22.5° | 1854.0 | 1861.5 | 1825.6 | 1776.2 | 1716.4 | 1649.2 | 1589.4 | 1546.0 | 1547.5 | 1607.3 | 1866.0 |
| 25°   | 2046.9 | 2049.9 | 2027.4 | 1961.6 | 1880.9 | 1785.2 | 1706.0 | 1650.7 | 1649.2 | 1692.5 | 1987.1 |
| 27.5° | 2244.2 | 2257.7 | 2212.8 | 2150.0 | 2075.3 | 1955.7 | 1851.0 | 1776.2 | 1764.3 | 1822.6 | 2138.1 |
| 30°   | 2447.6 | 2464.0 | 2420.7 | 2359.4 | 2266.7 | 2165.0 | 2040.9 | 1954.2 | 1946.7 | 2024.4 | 2339.9 |
| 32.5° | 2652.4 | 2656.9 | 2622.5 | 2571.7 | 2487.9 | 2392.3 | 2292.1 | 2196.4 | 2188.9 | 2316.0 | 2601.6 |
| 35°   | 2819.9 | 2833.3 | 2809.4 | 2797.4 | 2736.1 | 2647.9 | 2550.7 | 2495.4 | 2514.9 | 2677.8 | 2941.0 |
| 37.5° | 3021.7 | 3035.2 | 3008.3 | 3005.3 | 2985.8 | 2909.6 | 2842.3 | 2846.8 | 2866.2 | 3087.5 | 3298.3 |
| 40°   | 3313.3 | 3328.2 | 3259.4 | 3229.5 | 3229.5 | 3154.8 | 3132.4 | 3238.5 | 3263.9 | 3491.2 | 3670.6 |
| 42.5° | 3560.0 | 3583.9 | 3543.5 | 3524.1 | 3465.8 | 3413.4 | 3440.4 | 3589.9 | 3633.2 | 3876.9 | 3995.1 |
| 45°   | 3679.6 | 3697.5 | 3745.4 | 3802.2 | 3745.4 | 3654.2 | 3755.8 | 3924.8 | 3986.1 | 4232.8 | 4319.5 |
| 47.5° | 3743.9 | 3760.3 | 3815.6 | 3968.1 | 4007.0 | 3930.8 | 4074.3 | 4285.1 | 4327.0 | 4585.6 | 4629.0 |
| 50°   | 3752.8 | 3805.2 | 3876.9 | 4029.4 | 4207.4 | 4217.8 | 4394.3 | 4651.4 | 4700.8 | 4932.5 | 4901.1 |
| 52.5° | 3679.6 | 3700.5 | 3848.5 | 4105.7 | 4303.1 | 4482.5 | 4742.6 | 5002.8 | 5038.7 | 5258.5 | 5141.8 |
| 55°   | 3560.0 | 3589.9 | 3737.9 | 4087.8 | 4395.8 | 4733.7 | 5097.0 | 5348.2 | 5388.5 | 5575.4 | 5364.6 |
| 57.5° | 3452.3 | 3467.3 | 3625.8 | 4035.4 | 4488.5 | 4984.9 | 5412.5 | 5708.5 | 5735.4 | 5853.5 | 5529.1 |
| 60°   | 3332.7 | 3349.2 | 3507.6 | 3923.3 | 4557.2 | 5174.7 | 5741.4 | 6071.8 | 6095.8 | 6146.6 | 5720.5 |
| 62.5° | 3023.2 | 3066.6 | 3265.4 | 3737.9 | 4539.3 | 5391.5 | 6092.8 | 6430.7 | 6460.6 | 6405.3 | 5871.5 |
| 65°   | 2455.0 | 2516.3 | 2760.1 | 3317.8 | 4371.8 | 5532.1 | 6379.8 | 6761.1 | 6811.9 | 6599.6 | 5911.8 |
| 67.5° | 1906.3 | 1949.7 | 2145.5 | 2633.0 | 3784.2 | 5461.8 | 6565.2 | 6988.4 | 7003.3 | 6568.2 | 5687.6 |
| 68°   | 1807.6 | 1851.0 | 2037.9 | 2489.4 | 3621.3 | 5378.1 | 6560.7 | 6994.3 | 7027.2 | 6533.8 | 5600.9 |
| 70°   | 1383.0 | 1432.4 | 1610.3 | 1972.1 | 2918.5 | 4845.8 | 6287.1 | 6850.8 | 6846.3 | 6118.2 | 5062.6 |
| 72.5° | 864.2  | 892.6  | 1015.2 | 1244.0 | 1930.2 | 3687.1 | 5336.2 | 6041.9 | 6053.9 | 4987.8 | 3882.9 |
| 75°   | 548.7  | 548.7  | 542.7  | 602.5  | 989.8  | 2100.7 | 3966.6 | 4651.4 | 4660.4 | 3492.7 | 2447.6 |
| 77.5° | 477.0  | 463.5  | 399.2  | 337.9  | 394.7  | 816.4  | 2347.4 | 3003.8 | 2954.4 | 1880.9 | 1161.7 |
| 80°   | 402.2  | 379.8  | 327.4  | 272.1  | 254.2  | 255.7  | 901.6  | 1525.1 | 1459.3 | 677.3  | 385.8  |
| 82.5° | 290.1  | 270.6  | 246.7  | 213.8  | 195.9  | 152.5  | 188.4  | 441.1  | 430.6  | 195.9  | 125.6  |
| 85°   | 157.0  | 142.0  | 139.0  | 140.5  | 118.1  | 94.2   | 79.2   | 97.2   | 97.2   | 85.2   | 71.8   |
| 87.5° | 55.3   | 40.4   | 47.8   | 53.8   | 46.3   | 38.9   | 31.4   | 37.4   | 38.9   | 37.4   | 34.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P1210103

CATALOG NUMBER: ARCH2-110-722-U-T3RE

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 | 1481.7 |
| 2.5°  | 1487.7 | 1502.6 | 1538.5 | 1569.9 | 1592.3 | 1611.8 | 1622.2 | 1626.7 | 1637.2 | 1638.7 | 1635.7 |
| 5°    | 1499.6 | 1538.5 | 1592.3 | 1638.7 | 1664.1 | 1674.6 | 1677.6 | 1679.1 | 1674.6 | 1677.6 | 1674.6 |
| 7.5°  | 1531.0 | 1580.4 | 1656.6 | 1697.0 | 1701.5 | 1685.0 | 1686.5 | 1680.6 | 1686.5 | 1692.5 | 1692.5 |
| 10°   | 1578.9 | 1641.7 | 1713.4 | 1728.4 | 1709.0 | 1700.0 | 1717.9 | 1753.8 | 1765.8 | 1782.2 | 1782.2 |
| 12.5° | 1641.7 | 1716.4 | 1767.3 | 1753.8 | 1735.9 | 1765.8 | 1818.1 | 1854.0 | 1866.0 | 1871.9 | 1867.5 |
| 15°   | 1713.4 | 1794.2 | 1819.6 | 1774.8 | 1807.6 | 1871.9 | 1889.9 | 1868.9 | 1839.0 | 1825.6 | 1833.1 |
| 17.5° | 1804.7 | 1871.9 | 1857.0 | 1827.1 | 1901.8 | 1910.8 | 1852.5 | 1785.2 | 1737.4 | 1719.4 | 1731.4 |
| 20°   | 1900.3 | 1958.7 | 1889.9 | 1903.3 | 1949.7 | 1854.0 | 1743.4 | 1656.6 | 1614.8 | 1607.3 | 1619.3 |
| 22.5° | 2002.0 | 2039.4 | 1922.8 | 1991.5 | 1922.8 | 1728.4 | 1595.3 | 1550.5 | 1540.0 | 1552.0 | 1562.4 |
| 25°   | 2117.1 | 2112.7 | 1979.6 | 2018.5 | 1822.6 | 1574.4 | 1495.2 | 1492.2 | 1492.2 | 1499.6 | 1514.6 |
| 27.5° | 2247.2 | 2176.9 | 2036.4 | 1982.6 | 1649.2 | 1447.3 | 1432.4 | 1433.9 | 1429.4 | 1430.9 | 1438.3 |
| 30°   | 2398.2 | 2263.7 | 2099.2 | 1864.5 | 1454.8 | 1351.6 | 1345.6 | 1341.2 | 1330.7 | 1327.7 | 1330.7 |
| 32.5° | 2588.1 | 2354.9 | 2163.5 | 1670.1 | 1284.3 | 1252.9 | 1250.0 | 1226.0 | 1200.6 | 1197.6 | 1208.1 |
| 35°   | 2828.8 | 2520.8 | 2196.4 | 1426.4 | 1143.8 | 1142.3 | 1131.8 | 1094.5 | 1061.6 | 1061.6 | 1054.1 |
| 37.5° | 3103.9 | 2734.6 | 2209.8 | 1188.6 | 1027.2 | 1034.6 | 1004.7 | 956.9  | 931.5  | 916.5  | 921.0  |
| 40°   | 3385.0 | 2978.4 | 2208.3 | 980.8  | 925.5  | 927.0  | 904.6  | 846.3  | 783.5  | 746.1  | 755.1  |
| 42.5° | 3655.7 | 3199.6 | 2169.5 | 870.2  | 843.3  | 838.8  | 820.8  | 741.6  | 689.3  | 659.4  | 660.9  |
| 45°   | 3872.5 | 3428.4 | 2109.7 | 804.4  | 768.5  | 776.0  | 735.6  | 687.8  | 639.9  | 613.0  | 611.5  |
| 47.5° | 4089.3 | 3601.8 | 2014.0 | 764.0  | 713.2  | 699.7  | 683.3  | 650.4  | 614.5  | 584.6  | 586.1  |
| 50°   | 4286.6 | 3749.9 | 1924.3 | 737.1  | 662.4  | 628.0  | 631.0  | 611.5  | 580.1  | 553.2  | 551.7  |
| 52.5° | 4425.7 | 3847.0 | 1874.9 | 722.2  | 601.1  | 563.7  | 574.1  | 563.7  | 533.8  | 514.3  | 512.8  |
| 55°   | 4564.7 | 3921.8 | 1891.4 | 702.7  | 533.8  | 503.9  | 521.8  | 518.8  | 502.4  | 496.4  | 497.9  |
| 57.5° | 4676.8 | 3978.6 | 1949.7 | 666.8  | 469.5  | 451.5  | 481.4  | 472.5  | 460.5  | 462.0  | 462.0  |
| 60°   | 4786.0 | 4051.9 | 2018.5 | 584.6  | 414.2  | 415.7  | 444.1  | 427.6  | 420.1  | 433.6  | 435.1  |
| 62.5° | 4899.6 | 4131.1 | 1961.6 | 465.0  | 366.3  | 376.8  | 409.7  | 396.2  | 399.2  | 418.6  | 424.6  |
| 65°   | 4886.2 | 4123.6 | 1598.3 | 381.3  | 324.4  | 345.4  | 394.7  | 390.2  | 391.7  | 399.2  | 402.2  |
| 67.5° | 4611.1 | 3860.5 | 1098.9 | 324.4  | 294.5  | 320.0  | 382.8  | 364.8  | 366.3  | 361.8  | 363.3  |
| 68°   | 4518.4 | 3767.8 | 968.9  | 315.5  | 288.6  | 314.0  | 376.8  | 360.3  | 361.8  | 357.3  | 355.8  |
| 70°   | 4013.0 | 3226.5 | 613.0  | 278.1  | 267.6  | 297.5  | 346.9  | 340.9  | 339.4  | 336.4  | 336.4  |
| 72.5° | 3059.1 | 2381.8 | 323.0  | 240.7  | 243.7  | 272.1  | 309.5  | 321.5  | 314.0  | 315.5  | 324.4  |
| 75°   | 2025.9 | 1432.4 | 224.3  | 206.3  | 213.8  | 233.2  | 275.1  | 299.0  | 291.6  | 296.0  | 291.6  |
| 77.5° | 1072.0 | 771.5  | 179.4  | 174.9  | 174.9  | 188.4  | 227.3  | 264.6  | 264.6  | 261.7  | 257.2  |
| 80°   | 351.4  | 272.1  | 143.5  | 137.6  | 140.5  | 148.0  | 182.4  | 216.8  | 221.3  | 215.3  | 212.3  |
| 82.5° | 118.1  | 125.6  | 107.7  | 100.2  | 103.2  | 109.1  | 137.6  | 166.0  | 167.5  | 155.5  | 152.5  |
| 85°   | 73.3   | 83.7   | 67.3   | 65.8   | 65.8   | 67.3   | 83.7   | 91.2   | 83.7   | 74.8   | 77.7   |
| 87.5° | 34.4   | 41.9   | 31.4   | 26.9   | 22.4   | 19.4   | 15.0   | 6.0    | 6.0    | 3.0    | 3.0    |
| 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)