

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: P1211605

Luminaire Tested: **ARCH4-60-722-U-T2RE**

Issue Date: 11/5/2025

### Test Information

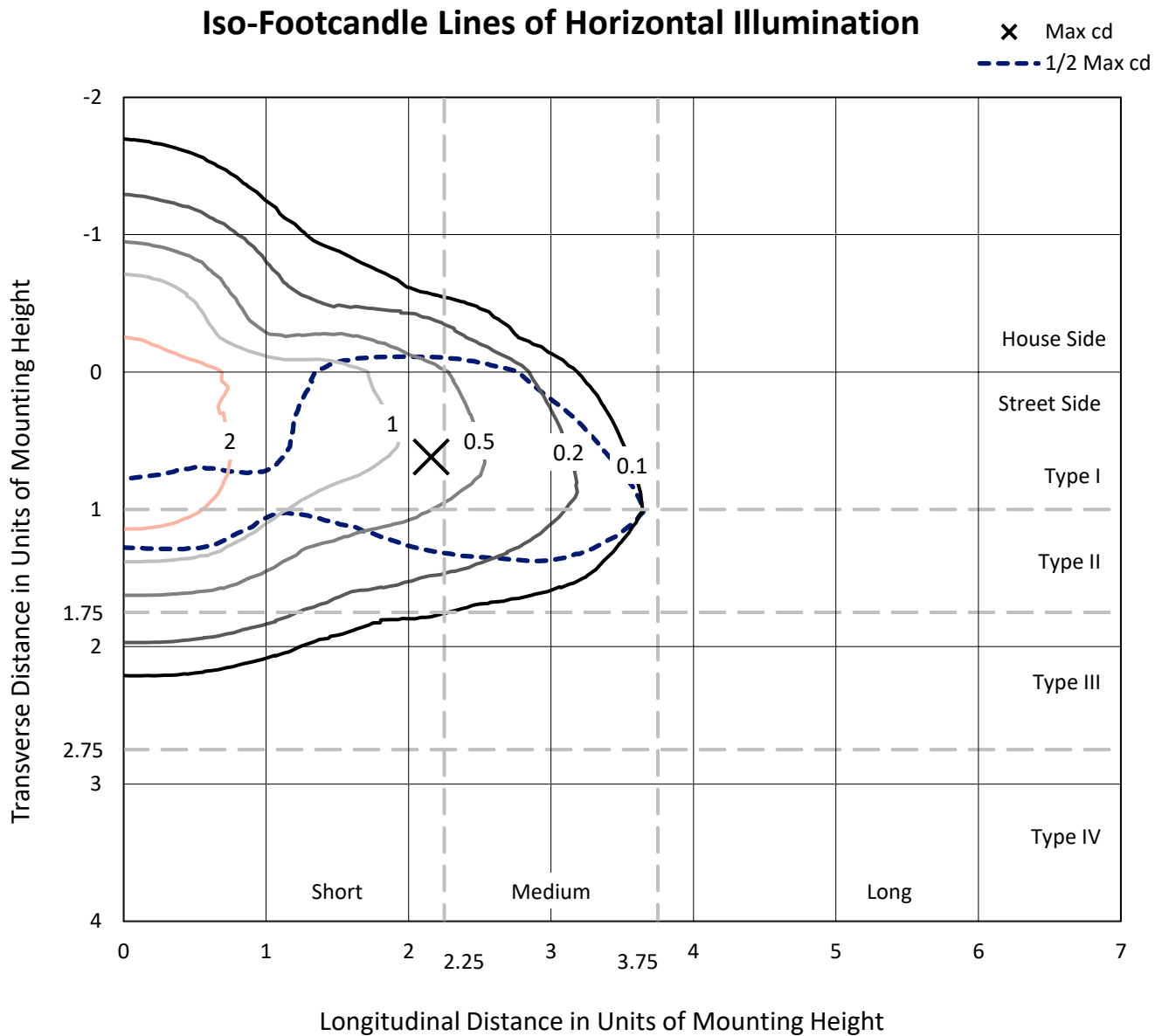
Test Method: LM-79-08  
Report Number: P1211605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH4-60-722-U-T2RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II  
ROADWAY ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9395 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')  
IES Classification: Type II - 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



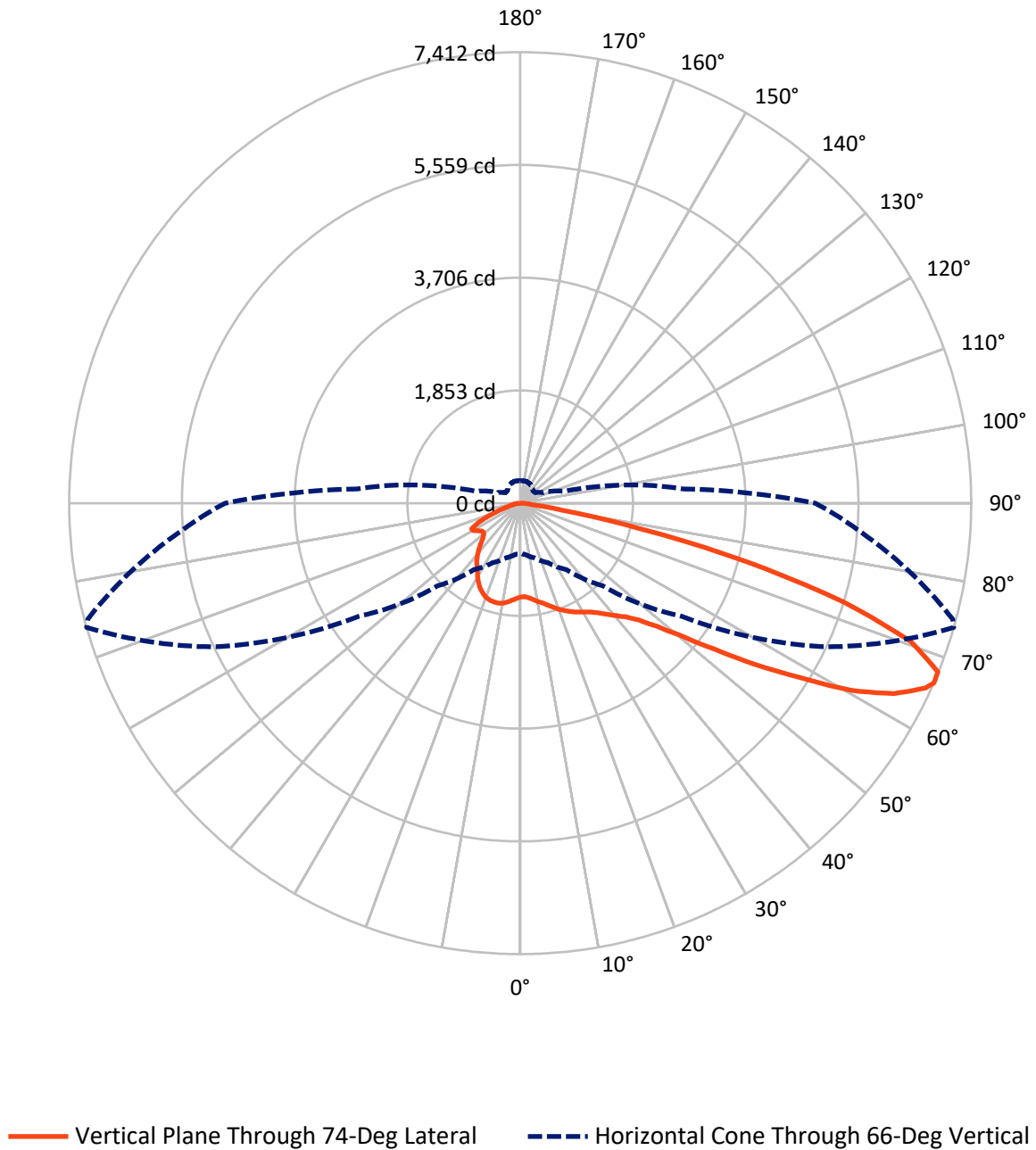
REPORT NUMBER: P1211605  
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Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2287.9   | 0.0    | 2287.9 |
|                    | % Fixture | 24.4     | 0.0    | 24.4   |
| <b>Street Side</b> | Lumens    | 7107.1   | 0.0    | 7107.1 |
|                    | % Fixture | 75.6     | 0.0    | 75.6   |
| <b>Total</b>       | Lumens    | 9395.0   | 0.0    | 9395.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 146.9  | 1.6       |
| 10°-20°   | 451.8  | 4.8       |
| 20°-30°   | 847.8  | 9.0       |
| 30°-40°   | 1304.1 | 13.9      |
| 40°-50°   | 1754.2 | 18.7      |
| 50°-60°   | 2074.5 | 22.1      |
| 60°-70°   | 1919.0 | 20.4      |
| 70°-80°   | 807.3  | 8.6       |
| 80°-90°   | 89.3   | 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°    | 9395.0 | 100.0     |
| 0°-180°   | 9395.0 | 100.0     |

**Coefficient of Utilization**



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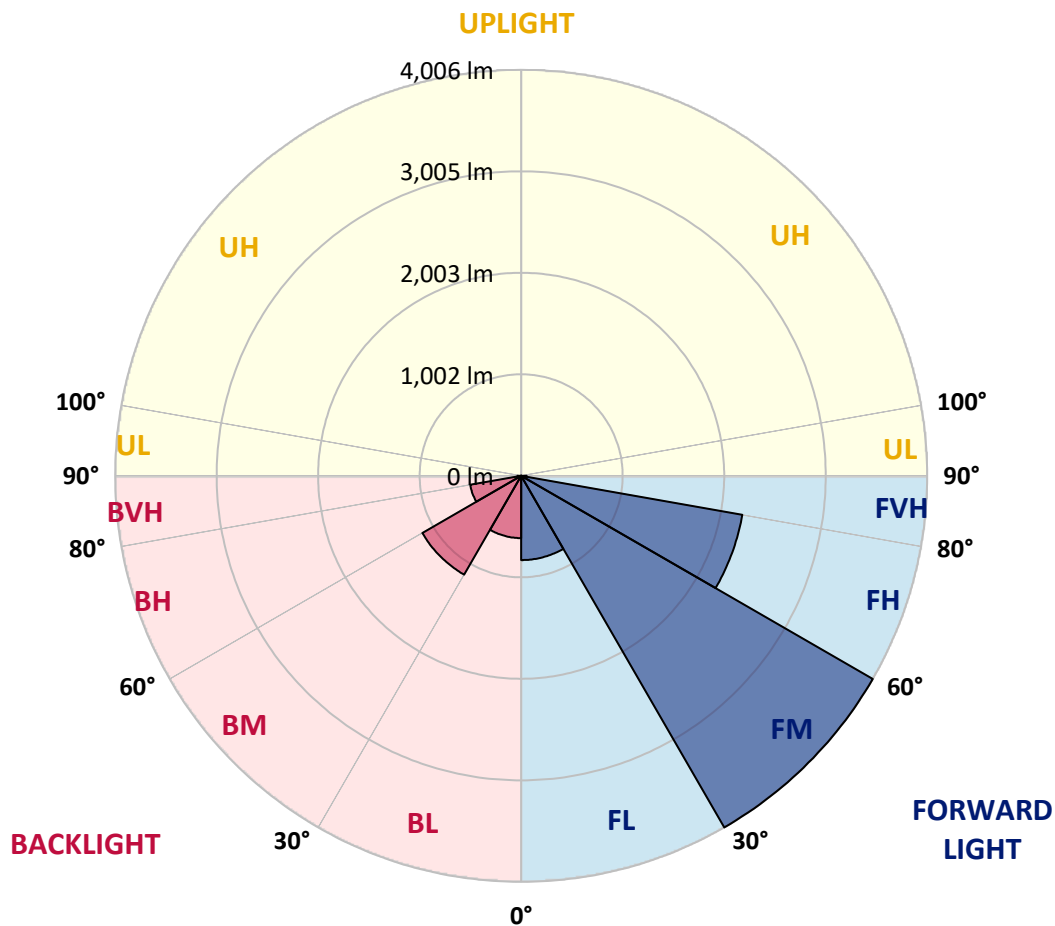
CATALOG NUMBER: ARCH4-60-722-U-T2RE

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 831.6  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 4006.4 | 42.6      |                         |      |         |
| FH   | (60°-80°)   | 2215.6 | 23.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 53.4   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 614.9  | 6.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1126.4 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 510.7  | 5.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 35.9   | 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°    | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 |
| 2.5°  | 1535.3 | 1532.9 | 1537.7 | 1545.0 | 1548.6 | 1542.6 | 1540.2 | 1538.9 | 1538.9 | 1535.3 | 1541.4 |
| 5°    | 1462.8 | 1461.6 | 1472.5 | 1485.8 | 1511.1 | 1529.3 | 1553.5 | 1568.0 | 1563.1 | 1555.9 | 1560.7 |
| 7.5°  | 1368.5 | 1366.1 | 1379.4 | 1404.8 | 1439.8 | 1479.7 | 1538.9 | 1584.9 | 1603.0 | 1600.6 | 1599.4 |
| 10°   | 1404.8 | 1402.3 | 1401.1 | 1393.9 | 1406.0 | 1444.6 | 1506.3 | 1587.3 | 1649.0 | 1650.2 | 1651.4 |
| 12.5° | 1530.5 | 1536.5 | 1530.5 | 1507.5 | 1480.9 | 1466.4 | 1502.7 | 1593.3 | 1687.6 | 1694.9 | 1725.1 |
| 15°   | 1702.1 | 1696.1 | 1684.0 | 1657.4 | 1616.3 | 1572.8 | 1546.2 | 1621.1 | 1743.2 | 1749.3 | 1815.8 |
| 17.5° | 1853.3 | 1858.1 | 1850.8 | 1825.5 | 1777.1 | 1720.3 | 1639.3 | 1669.5 | 1802.5 | 1819.4 | 1912.5 |
| 20°   | 2017.7 | 2037.0 | 2027.3 | 1995.9 | 1956.0 | 1871.4 | 1769.8 | 1739.6 | 1867.8 | 1879.9 | 2012.8 |
| 22.5° | 2207.5 | 2228.0 | 2209.9 | 2179.7 | 2147.0 | 2043.1 | 1912.5 | 1825.5 | 1922.2 | 1947.6 | 2109.6 |
| 25°   | 2434.7 | 2454.1 | 2437.2 | 2390.0 | 2348.9 | 2222.0 | 2066.0 | 1922.2 | 1975.4 | 2003.2 | 2188.1 |
| 27.5° | 2614.9 | 2629.4 | 2645.1 | 2617.3 | 2554.4 | 2422.7 | 2225.6 | 2022.5 | 2028.6 | 2057.6 | 2260.7 |
| 30°   | 2775.7 | 2811.9 | 2825.2 | 2828.9 | 2775.7 | 2628.2 | 2388.8 | 2126.5 | 2074.5 | 2104.7 | 2333.2 |
| 32.5° | 2995.7 | 3050.1 | 3028.3 | 3050.1 | 3018.7 | 2821.6 | 2558.1 | 2234.1 | 2133.7 | 2161.5 | 2402.1 |
| 35°   | 3317.3 | 3360.8 | 3304.0 | 3287.0 | 3236.3 | 3017.4 | 2721.3 | 2345.3 | 2212.3 | 2242.5 | 2467.4 |
| 37.5° | 3663.0 | 3712.6 | 3630.4 | 3562.7 | 3465.9 | 3210.9 | 2861.5 | 2491.6 | 2321.1 | 2345.3 | 2527.8 |
| 40°   | 3965.2 | 4006.3 | 3935.0 | 3845.5 | 3683.6 | 3381.3 | 2982.4 | 2594.3 | 2429.9 | 2460.1 | 2598.0 |
| 42.5° | 4244.5 | 4271.1 | 4191.3 | 4105.5 | 3889.1 | 3534.9 | 3112.9 | 2703.1 | 2556.8 | 2585.9 | 2654.8 |
| 45°   | 4527.4 | 4547.9 | 4436.7 | 4314.6 | 4060.7 | 3675.1 | 3256.8 | 2855.4 | 2743.0 | 2781.7 | 2746.6 |
| 47.5° | 4578.1 | 4584.2 | 4564.8 | 4482.6 | 4196.1 | 3809.3 | 3434.5 | 3059.8 | 3027.1 | 3069.4 | 2905.0 |
| 50°   | 4226.4 | 4280.8 | 4400.4 | 4481.4 | 4250.5 | 3921.7 | 3612.2 | 3352.3 | 3418.8 | 3473.2 | 3233.8 |
| 52.5° | 3543.3 | 3595.3 | 3872.1 | 4179.2 | 4120.0 | 3947.1 | 3803.2 | 3723.4 | 3971.3 | 4036.6 | 3681.1 |
| 55°   | 2822.8 | 2868.7 | 3161.3 | 3603.8 | 3698.1 | 3831.0 | 4007.5 | 4197.3 | 4676.1 | 4719.6 | 4172.0 |
| 57.5° | 2324.7 | 2350.1 | 2559.3 | 2984.8 | 3135.9 | 3459.9 | 4117.6 | 4760.7 | 5393.0 | 5459.4 | 4598.7 |
| 60°   | 1906.5 | 1934.3 | 2090.2 | 2440.8 | 2641.5 | 2929.2 | 4030.5 | 5316.8 | 6248.9 | 6248.9 | 5146.3 |
| 62.5° | 1435.0 | 1459.2 | 1604.2 | 1878.6 | 2215.9 | 2479.5 | 3752.5 | 5685.5 | 6894.4 | 6865.4 | 5542.9 |
| 65°   | 985.3  | 1004.6 | 1109.8 | 1292.3 | 1595.8 | 2113.2 | 3372.9 | 5690.3 | 7322.4 | 7283.7 | 5712.1 |
| 66°   | 826.9  | 843.8  | 933.3  | 1080.8 | 1335.8 | 1917.3 | 3238.7 | 5587.6 | 7411.8 | 7357.4 | 5640.8 |
| 67.5° | 652.8  | 664.9  | 724.1  | 811.2  | 979.2  | 1552.2 | 3027.1 | 5296.2 | 7403.4 | 7370.7 | 5459.4 |
| 70°   | 466.6  | 475.1  | 518.6  | 536.8  | 579.1  | 898.2  | 2404.5 | 4638.6 | 6809.8 | 6819.5 | 4746.2 |
| 72.5° | 361.5  | 374.8  | 401.4  | 405.0  | 395.3  | 477.5  | 1459.2 | 3869.7 | 5570.7 | 5567.0 | 3522.8 |
| 75°   | 291.3  | 298.6  | 311.9  | 319.2  | 316.7  | 308.3  | 617.8  | 2886.9 | 3834.7 | 3879.4 | 1972.9 |
| 77.5° | 229.7  | 228.5  | 240.6  | 250.2  | 257.5  | 241.8  | 282.9  | 1692.5 | 2010.4 | 1953.6 | 741.1  |
| 80°   | 169.2  | 169.2  | 186.2  | 189.8  | 200.7  | 203.1  | 188.6  | 652.8  | 690.3  | 627.4  | 192.2  |
| 82.5° | 111.2  | 111.2  | 129.4  | 131.8  | 142.7  | 158.4  | 136.6  | 195.8  | 191.0  | 181.3  | 87.0   |
| 85°   | 60.4   | 58.0   | 64.1   | 72.5   | 78.6   | 93.1   | 82.2   | 97.9   | 100.3  | 99.1   | 58.0   |
| 87.5° | 12.1   | 10.9   | 16.9   | 19.3   | 21.8   | 29.0   | 26.6   | 39.9   | 55.6   | 54.4   | 25.4   |
| 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°    | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 | 1540.2 |
| 2.5°  | 1549.8 | 1548.6 | 1561.9 | 1577.6 | 1595.8 | 1606.6 | 1611.5 | 1619.9 | 1613.9 | 1616.3 | 1623.6 |
| 5°    | 1572.8 | 1576.4 | 1595.8 | 1616.3 | 1624.8 | 1618.7 | 1605.4 | 1600.6 | 1589.7 | 1587.3 | 1584.9 |
| 7.5°  | 1606.6 | 1612.7 | 1632.0 | 1636.9 | 1611.5 | 1569.2 | 1538.9 | 1522.0 | 1503.9 | 1499.0 | 1496.6 |
| 10°   | 1662.3 | 1665.9 | 1670.7 | 1621.1 | 1558.3 | 1501.5 | 1464.0 | 1448.3 | 1436.2 | 1426.5 | 1428.9 |
| 12.5° | 1732.4 | 1730.0 | 1692.5 | 1589.7 | 1500.3 | 1442.2 | 1416.8 | 1407.2 | 1398.7 | 1392.7 | 1391.5 |
| 15°   | 1820.6 | 1803.7 | 1696.1 | 1546.2 | 1445.9 | 1397.5 | 1379.4 | 1375.7 | 1366.1 | 1366.1 | 1364.9 |
| 17.5° | 1910.1 | 1866.6 | 1693.7 | 1500.3 | 1393.9 | 1367.3 | 1356.4 | 1354.0 | 1351.6 | 1350.4 | 1354.0 |
| 20°   | 1999.5 | 1922.2 | 1674.3 | 1443.4 | 1357.6 | 1341.9 | 1339.5 | 1340.7 | 1338.3 | 1341.9 | 1339.5 |
| 22.5° | 2078.1 | 1958.4 | 1638.1 | 1383.0 | 1332.2 | 1331.0 | 1325.0 | 1327.4 | 1335.8 | 1337.1 | 1340.7 |
| 25°   | 2138.6 | 1971.7 | 1584.9 | 1327.4 | 1314.1 | 1311.7 | 1318.9 | 1328.6 | 1335.8 | 1337.1 | 1343.1 |
| 27.5° | 2188.1 | 1964.5 | 1518.4 | 1283.9 | 1282.7 | 1296.0 | 1317.7 | 1321.3 | 1322.5 | 1322.5 | 1317.7 |
| 30°   | 2225.6 | 1948.8 | 1433.8 | 1235.5 | 1241.6 | 1274.2 | 1294.7 | 1294.7 | 1285.1 | 1282.7 | 1289.9 |
| 32.5° | 2234.1 | 1928.2 | 1341.9 | 1185.9 | 1195.6 | 1234.3 | 1259.7 | 1251.2 | 1240.3 | 1240.3 | 1245.2 |
| 35°   | 2241.3 | 1900.4 | 1268.1 | 1118.2 | 1132.7 | 1178.7 | 1202.9 | 1185.9 | 1173.9 | 1170.2 | 1169.0 |
| 37.5° | 2238.9 | 1889.5 | 1201.7 | 1032.4 | 1051.8 | 1096.5 | 1112.2 | 1096.5 | 1078.3 | 1069.9 | 1080.8 |
| 40°   | 2241.3 | 1882.3 | 1118.2 | 938.1  | 957.5  | 984.1  | 1004.6 | 992.5  | 975.6  | 953.8  | 964.7  |
| 42.5° | 2255.8 | 1891.9 | 1026.4 | 846.2  | 846.2  | 860.7  | 895.8  | 887.3  | 846.2  | 837.8  | 847.4  |
| 45°   | 2333.2 | 1943.9 | 934.5  | 754.4  | 741.1  | 750.7  | 787.0  | 750.7  | 725.3  | 725.3  | 733.8  |
| 47.5° | 2520.6 | 2040.6 | 853.5  | 673.4  | 641.9  | 661.3  | 670.9  | 637.1  | 617.8  | 612.9  | 621.4  |
| 50°   | 2902.6 | 2234.1 | 805.1  | 606.9  | 568.2  | 582.7  | 576.7  | 575.4  | 556.1  | 558.5  | 563.4  |
| 52.5° | 3482.9 | 2611.2 | 790.6  | 574.2  | 525.9  | 529.5  | 523.5  | 525.9  | 522.2  | 534.3  | 538.0  |
| 55°   | 4115.1 | 3009.0 | 808.8  | 579.1  | 496.9  | 471.5  | 473.9  | 486.0  | 500.5  | 519.8  | 523.5  |
| 57.5° | 4587.8 | 3208.5 | 855.9  | 611.7  | 460.6  | 421.9  | 428.0  | 450.9  | 478.7  | 494.4  | 502.9  |
| 60°   | 4939.6 | 3184.3 | 924.8  | 620.2  | 417.1  | 377.2  | 388.1  | 421.9  | 446.1  | 459.4  | 467.8  |
| 62.5° | 5054.5 | 3033.2 | 941.7  | 558.5  | 360.3  | 334.9  | 361.5  | 396.5  | 407.4  | 421.9  | 428.0  |
| 65°   | 4960.2 | 2819.2 | 818.4  | 453.3  | 316.7  | 303.4  | 342.1  | 368.7  | 383.2  | 390.5  | 391.7  |
| 66°   | 4848.9 | 2691.0 | 751.9  | 412.2  | 301.0  | 293.8  | 334.9  | 356.6  | 371.1  | 369.9  | 371.1  |
| 67.5° | 4604.7 | 2422.7 | 644.3  | 354.2  | 278.0  | 279.3  | 322.8  | 337.3  | 342.1  | 338.5  | 338.5  |
| 70°   | 3774.2 | 1705.8 | 461.8  | 268.4  | 244.2  | 261.1  | 290.1  | 293.8  | 304.6  | 299.8  | 299.8  |
| 72.5° | 2327.2 | 837.8  | 309.5  | 205.5  | 217.6  | 244.2  | 243.0  | 255.1  | 280.5  | 287.7  | 292.6  |
| 75°   | 1143.6 | 339.7  | 204.3  | 174.1  | 194.6  | 204.3  | 201.9  | 232.1  | 268.4  | 299.8  | 310.7  |
| 77.5° | 434.0  | 169.2  | 142.7  | 152.3  | 157.2  | 153.5  | 160.8  | 210.4  | 268.4  | 325.2  | 336.1  |
| 80°   | 134.2  | 117.3  | 112.4  | 125.7  | 118.5  | 112.4  | 120.9  | 174.1  | 227.3  | 246.6  | 246.6  |
| 82.5° | 81.0   | 91.9   | 87.0   | 85.8   | 79.8   | 81.0   | 87.0   | 124.5  | 175.3  | 183.8  | 183.8  |
| 85°   | 56.8   | 60.4   | 49.6   | 47.1   | 45.9   | 44.7   | 44.7   | 72.5   | 104.0  | 102.8  | 106.4  |
| 87.5° | 21.8   | 24.2   | 18.1   | 18.1   | 16.9   | 12.1   | 9.7    | 12.1   | 12.1   | 8.5    | 6.0    |
| 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)