

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: P1210079

Luminaire Tested: **ARCH2-100-730-U-T3RE**

Issue Date: 11/5/2025

### Test Information

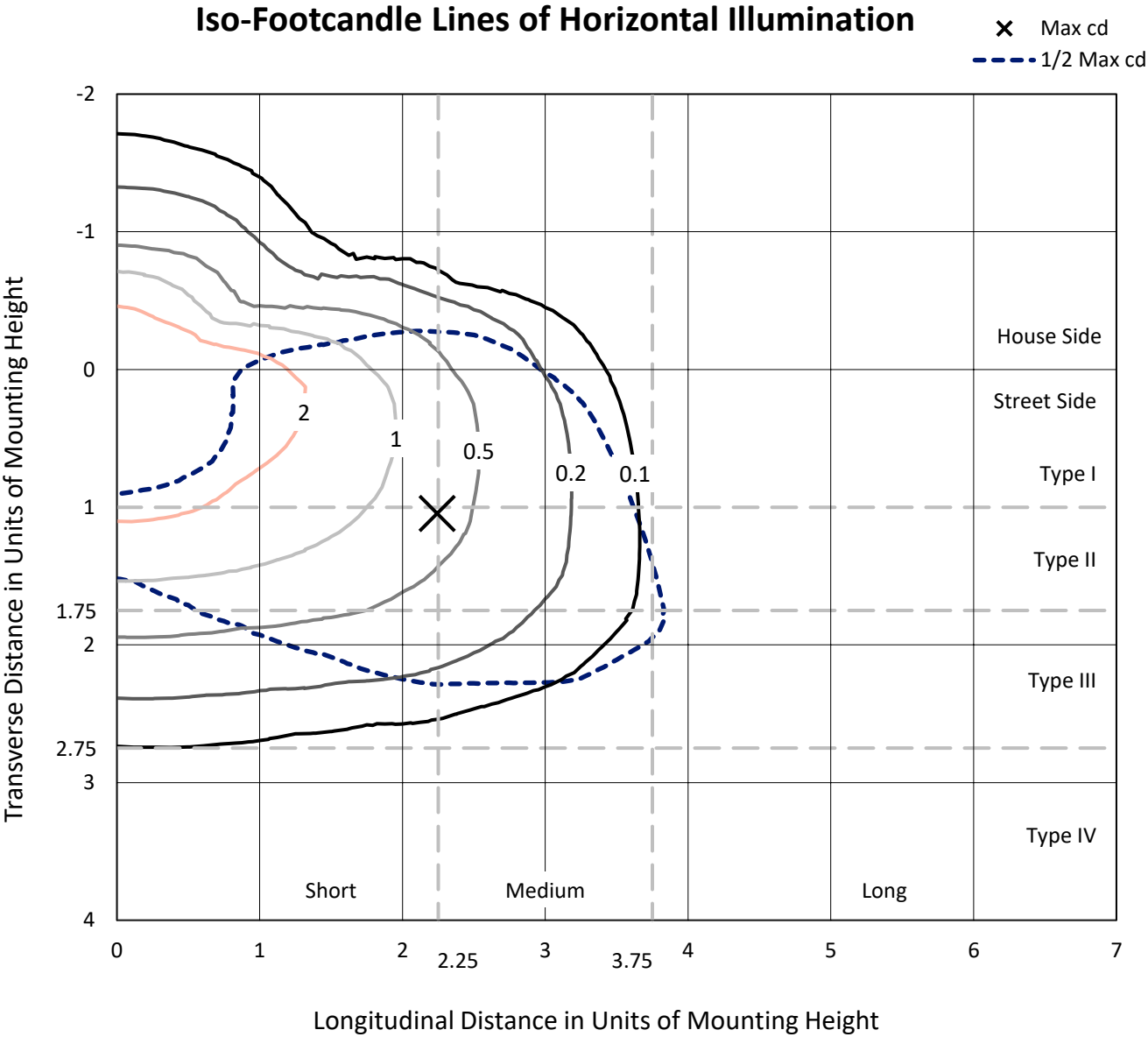
Test Method: LM-79-08  
Report Number: P1210079  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH2-100-730-U-T3RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 760mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III  
ROADWAY ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12791 lumens  
Efficiency: N/A  
Efficacy: 123.8 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): 103.3  
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

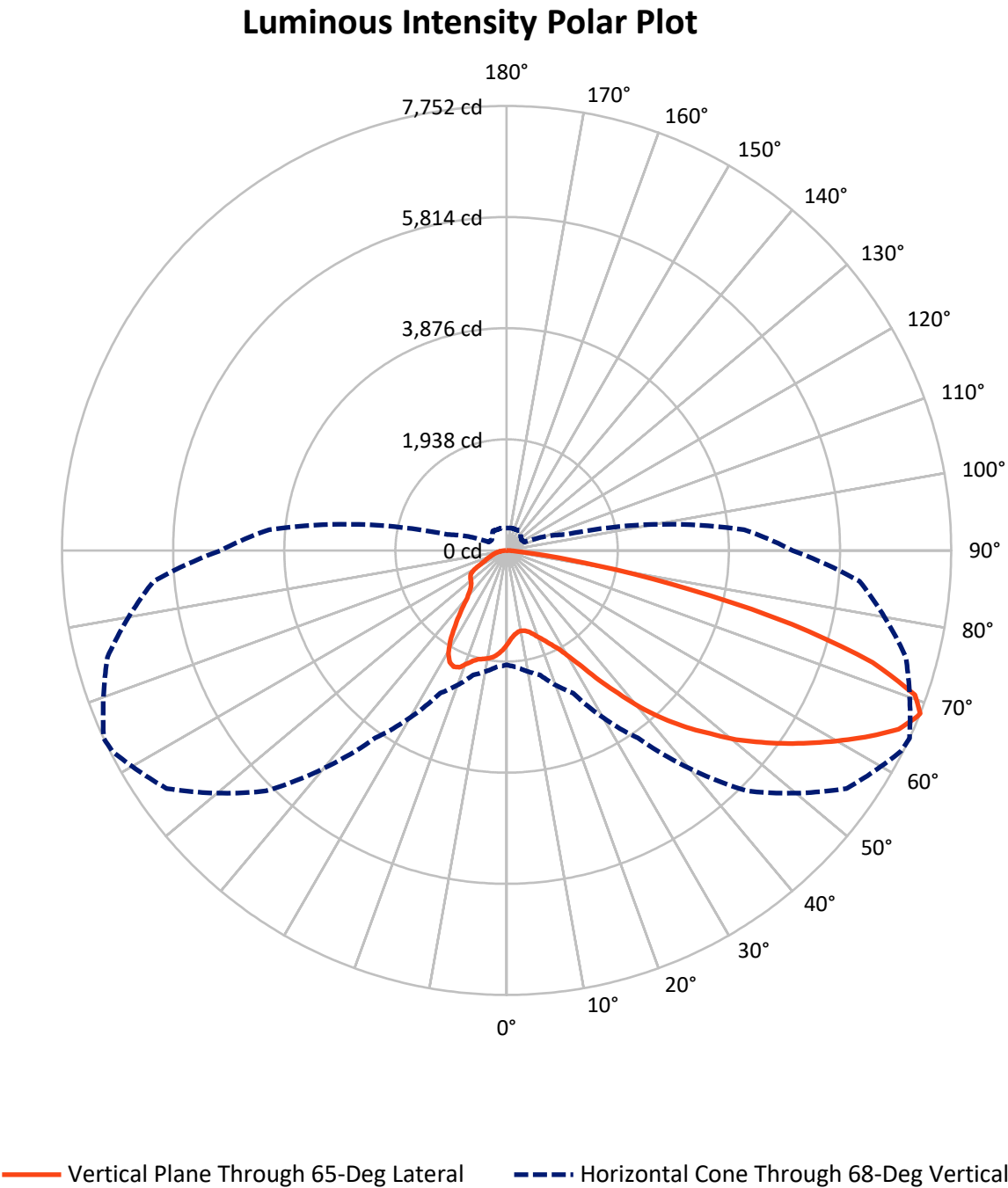


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Based on 25 foot mounting height. Maximum calculated value = 3 fc  
Type III - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3136.0   | 0.0    | 3136.0  |
|                    | % Fixture | 24.5     | 0.0    | 24.5    |
| <b>Street Side</b> | Lumens    | 9655.0   | 0.0    | 9655.0  |
|                    | % Fixture | 75.5     | 0.0    | 75.5    |
| <b>Total</b>       | Lumens    | 12791.0  | 0.0    | 12791.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 156.2   | 1.2       |
| 10°-20°   | 508.6   | 4.0       |
| 20°-30°   | 920.6   | 7.2       |
| 30°-40°   | 1448.2  | 11.3      |
| 40°-50°   | 2156.9  | 16.9      |
| 50°-60°   | 2829.4  | 22.1      |
| 60°-70°   | 3094.1  | 24.2      |
| 70°-80°   | 1531.0  | 12.0      |
| 80°-90°   | 146.0   | 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°    | 12791.0 | 100.0     |
| 0°-180°   | 12791.0 | 100.0     |

**Coefficient of Utilization**



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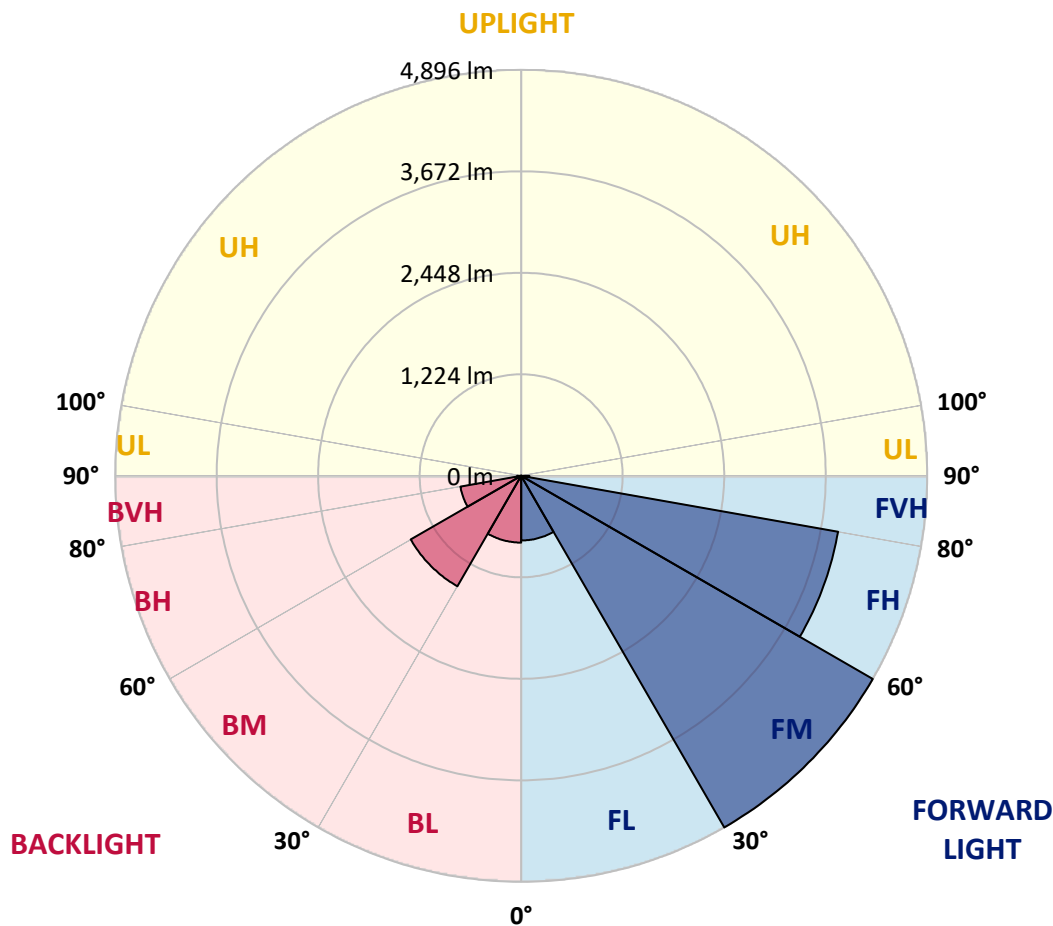
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 779.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4896.2 | 38.3      |                         |      |         |
| FH   | (60°-80°)   | 3880.8 | 30.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 98.2   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 805.7  | 6.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1538.2 | 12.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 744.3  | 5.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 47.8   | 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°    | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 |
| 2.5°  | 1426.7 | 1423.4 | 1431.7 | 1439.9 | 1458.1 | 1479.5 | 1509.2 | 1533.9 | 1537.2 | 1583.4 | 1619.7 |
| 5°    | 1342.6 | 1337.6 | 1345.9 | 1355.8 | 1364.0 | 1390.4 | 1421.8 | 1458.1 | 1472.9 | 1540.5 | 1618.0 |
| 7.5°  | 1350.8 | 1349.2 | 1352.5 | 1349.2 | 1349.2 | 1360.7 | 1382.2 | 1418.5 | 1435.0 | 1515.8 | 1626.3 |
| 10°   | 1398.7 | 1402.0 | 1403.6 | 1393.7 | 1383.8 | 1378.9 | 1385.5 | 1410.2 | 1421.8 | 1517.4 | 1662.6 |
| 12.5° | 1477.8 | 1482.8 | 1484.4 | 1466.3 | 1453.1 | 1431.7 | 1420.1 | 1430.0 | 1438.3 | 1533.9 | 1713.7 |
| 15°   | 1585.1 | 1588.4 | 1576.8 | 1565.3 | 1532.3 | 1505.9 | 1477.8 | 1469.6 | 1472.9 | 1568.6 | 1771.4 |
| 17.5° | 1710.4 | 1705.5 | 1705.5 | 1677.4 | 1634.5 | 1593.3 | 1547.1 | 1540.5 | 1540.5 | 1624.6 | 1853.9 |
| 20°   | 1847.3 | 1852.3 | 1837.4 | 1799.5 | 1756.6 | 1692.3 | 1646.1 | 1616.4 | 1619.7 | 1689.0 | 1954.5 |
| 22.5° | 2045.2 | 2053.5 | 2013.9 | 1959.5 | 1893.5 | 1819.3 | 1753.3 | 1705.5 | 1707.1 | 1773.1 | 2058.4 |
| 25°   | 2258.0 | 2261.3 | 2236.6 | 2164.0 | 2074.9 | 1969.4 | 1881.9 | 1820.9 | 1819.3 | 1867.1 | 2192.0 |
| 27.5° | 2475.7 | 2490.6 | 2441.1 | 2371.8 | 2289.3 | 2157.4 | 2041.9 | 1959.5 | 1946.3 | 2010.6 | 2358.6 |
| 30°   | 2700.0 | 2718.2 | 2670.3 | 2602.7 | 2500.5 | 2388.3 | 2251.4 | 2155.7 | 2147.5 | 2233.3 | 2581.3 |
| 32.5° | 2926.0 | 2930.9 | 2893.0 | 2836.9 | 2744.6 | 2639.0 | 2528.5 | 2422.9 | 2414.7 | 2554.9 | 2869.9 |
| 35°   | 3110.7 | 3125.6 | 3099.2 | 3086.0 | 3018.4 | 2921.0 | 2813.8 | 2752.8 | 2774.3 | 2954.0 | 3244.3 |
| 37.5° | 3333.4 | 3348.2 | 3318.5 | 3315.3 | 3293.8 | 3209.7 | 3135.5 | 3140.4 | 3161.9 | 3406.0 | 3638.5 |
| 40°   | 3655.0 | 3671.5 | 3595.6 | 3562.7 | 3562.7 | 3480.2 | 3455.4 | 3572.6 | 3600.6 | 3851.3 | 4049.2 |
| 42.5° | 3927.2 | 3953.6 | 3909.0 | 3887.6 | 3823.3 | 3765.5 | 3795.2 | 3960.2 | 4008.0 | 4276.8 | 4407.1 |
| 45°   | 4059.1 | 4078.9 | 4131.7 | 4194.4 | 4131.7 | 4031.1 | 4143.2 | 4329.6 | 4397.2 | 4669.4 | 4765.1 |
| 47.5° | 4130.0 | 4148.2 | 4209.2 | 4377.5 | 4420.3 | 4336.2 | 4494.6 | 4727.1 | 4773.3 | 5058.6 | 5106.5 |
| 50°   | 4139.9 | 4197.7 | 4276.8 | 4445.1 | 4641.4 | 4652.9 | 4847.5 | 5131.2 | 5185.6 | 5441.3 | 5406.7 |
| 52.5° | 4059.1 | 4082.2 | 4245.5 | 4529.2 | 4746.9 | 4944.8 | 5231.8 | 5518.8 | 5558.4 | 5800.9 | 5672.2 |
| 55°   | 3927.2 | 3960.2 | 4123.4 | 4509.4 | 4849.2 | 5221.9 | 5622.7 | 5899.8 | 5944.4 | 6150.5 | 5918.0 |
| 57.5° | 3808.4 | 3824.9 | 3999.7 | 4451.7 | 4951.4 | 5499.0 | 5970.8 | 6297.3 | 6327.0 | 6457.3 | 6099.4 |
| 60°   | 3676.5 | 3694.6 | 3869.4 | 4328.0 | 5027.3 | 5708.5 | 6333.6 | 6698.1 | 6724.5 | 6780.6 | 6310.5 |
| 62.5° | 3335.0 | 3382.9 | 3602.2 | 4123.4 | 5007.5 | 5947.7 | 6721.2 | 7094.0 | 7127.0 | 7065.9 | 6477.1 |
| 65°   | 2708.3 | 2775.9 | 3044.8 | 3660.0 | 4822.8 | 6102.7 | 7037.9 | 7458.5 | 7514.6 | 7280.4 | 6521.6 |
| 67.5° | 2103.0 | 2150.8 | 2366.9 | 2904.6 | 4174.6 | 6025.2 | 7242.4 | 7709.2 | 7725.7 | 7245.7 | 6274.2 |
| 68°   | 1994.1 | 2041.9 | 2248.1 | 2746.2 | 3994.8 | 5932.8 | 7237.5 | 7715.8 | 7752.1 | 7207.8 | 6178.6 |
| 70°   | 1525.7 | 1580.1 | 1776.4 | 2175.5 | 3219.6 | 5345.6 | 6935.6 | 7557.5 | 7552.5 | 6749.3 | 5584.8 |
| 72.5° | 953.3  | 984.7  | 1119.9 | 1372.3 | 2129.3 | 4067.4 | 5886.6 | 6665.1 | 6678.3 | 5502.3 | 4283.4 |
| 75°   | 605.3  | 605.3  | 598.7  | 664.7  | 1091.9 | 2317.4 | 4375.8 | 5131.2 | 5141.1 | 3852.9 | 2700.0 |
| 77.5° | 526.2  | 511.3  | 440.4  | 372.8  | 435.4  | 900.6  | 2589.5 | 3313.6 | 3259.2 | 2074.9 | 1281.6 |
| 80°   | 443.7  | 418.9  | 361.2  | 300.2  | 280.4  | 282.0  | 994.6  | 1682.4 | 1609.8 | 747.2  | 425.5  |
| 82.5° | 320.0  | 298.5  | 272.1  | 235.9  | 216.1  | 168.2  | 207.8  | 486.6  | 475.0  | 216.1  | 138.5  |
| 85°   | 173.2  | 156.7  | 153.4  | 155.0  | 130.3  | 103.9  | 87.4   | 107.2  | 107.2  | 94.0   | 79.2   |
| 87.5° | 61.0   | 44.5   | 52.8   | 59.4   | 51.1   | 42.9   | 34.6   | 41.2   | 42.9   | 41.2   | 37.9   |
| 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°    | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 | 1634.5 |
| 2.5°  | 1641.1 | 1657.6 | 1697.2 | 1731.8 | 1756.6 | 1778.0 | 1789.6 | 1794.5 | 1806.1 | 1807.7 | 1804.4 |
| 5°    | 1654.3 | 1697.2 | 1756.6 | 1807.7 | 1835.8 | 1847.3 | 1850.6 | 1852.3 | 1847.3 | 1850.6 | 1847.3 |
| 7.5°  | 1689.0 | 1743.4 | 1827.5 | 1872.0 | 1877.0 | 1858.8 | 1860.5 | 1853.9 | 1860.5 | 1867.1 | 1867.1 |
| 10°   | 1741.7 | 1811.0 | 1890.2 | 1906.7 | 1885.2 | 1875.3 | 1895.1 | 1934.7 | 1947.9 | 1966.1 | 1966.1 |
| 12.5° | 1811.0 | 1893.5 | 1949.6 | 1934.7 | 1914.9 | 1947.9 | 2005.6 | 2045.2 | 2058.4 | 2065.0 | 2060.1 |
| 15°   | 1890.2 | 1979.3 | 2007.3 | 1957.8 | 1994.1 | 2065.0 | 2084.8 | 2061.7 | 2028.7 | 2013.9 | 2022.1 |
| 17.5° | 1990.8 | 2065.0 | 2048.5 | 2015.5 | 2098.0 | 2107.9 | 2043.6 | 1969.4 | 1916.6 | 1896.8 | 1910.0 |
| 20°   | 2096.4 | 2160.7 | 2084.8 | 2099.7 | 2150.8 | 2045.2 | 1923.2 | 1827.5 | 1781.3 | 1773.1 | 1786.3 |
| 22.5° | 2208.5 | 2249.8 | 2121.1 | 2197.0 | 2121.1 | 1906.7 | 1759.9 | 1710.4 | 1698.9 | 1712.1 | 1723.6 |
| 25°   | 2335.5 | 2330.6 | 2183.8 | 2226.7 | 2010.6 | 1736.8 | 1649.4 | 1646.1 | 1646.1 | 1654.3 | 1670.8 |
| 27.5° | 2479.0 | 2401.5 | 2246.5 | 2187.1 | 1819.3 | 1596.6 | 1580.1 | 1581.8 | 1576.8 | 1578.5 | 1586.7 |
| 30°   | 2645.6 | 2497.2 | 2315.7 | 2056.8 | 1604.8 | 1491.0 | 1484.4 | 1479.5 | 1467.9 | 1464.6 | 1467.9 |
| 32.5° | 2855.1 | 2597.8 | 2386.7 | 1842.4 | 1416.8 | 1382.2 | 1378.9 | 1352.5 | 1324.5 | 1321.2 | 1332.7 |
| 35°   | 3120.6 | 2780.9 | 2422.9 | 1573.5 | 1261.8 | 1260.1 | 1248.6 | 1207.3 | 1171.1 | 1171.1 | 1162.8 |
| 37.5° | 3424.1 | 3016.7 | 2437.8 | 1311.3 | 1133.1 | 1141.4 | 1108.4 | 1055.6 | 1027.6 | 1011.1 | 1016.0 |
| 40°   | 3734.2 | 3285.6 | 2436.1 | 1082.0 | 1021.0 | 1022.6 | 997.9  | 933.5  | 864.3  | 823.0  | 832.9  |
| 42.5° | 4032.7 | 3529.7 | 2393.2 | 959.9  | 930.2  | 925.3  | 905.5  | 818.1  | 760.4  | 727.4  | 729.0  |
| 45°   | 4271.9 | 3782.0 | 2327.3 | 887.4  | 847.8  | 856.0  | 811.5  | 758.7  | 705.9  | 676.2  | 674.6  |
| 47.5° | 4511.1 | 3973.4 | 2221.7 | 842.8  | 786.8  | 771.9  | 753.8  | 717.5  | 677.9  | 644.9  | 646.6  |
| 50°   | 4728.8 | 4136.6 | 2122.8 | 813.1  | 730.7  | 692.7  | 696.0  | 674.6  | 640.0  | 610.3  | 608.6  |
| 52.5° | 4882.2 | 4243.9 | 2068.3 | 796.6  | 663.1  | 621.8  | 633.4  | 621.8  | 588.8  | 567.4  | 565.7  |
| 55°   | 5035.6 | 4326.3 | 2086.5 | 775.2  | 588.8  | 555.8  | 575.6  | 572.3  | 554.2  | 547.6  | 549.2  |
| 57.5° | 5159.3 | 4389.0 | 2150.8 | 735.6  | 517.9  | 498.1  | 531.1  | 521.2  | 508.0  | 509.7  | 509.7  |
| 60°   | 5279.7 | 4469.8 | 2226.7 | 644.9  | 456.9  | 458.5  | 489.9  | 471.7  | 463.5  | 478.3  | 480.0  |
| 62.5° | 5405.0 | 4557.2 | 2164.0 | 513.0  | 404.1  | 415.6  | 451.9  | 437.1  | 440.4  | 461.8  | 468.4  |
| 65°   | 5390.2 | 4549.0 | 1763.2 | 420.6  | 357.9  | 381.0  | 435.4  | 430.5  | 432.1  | 440.4  | 443.7  |
| 67.5° | 5086.7 | 4258.7 | 1212.3 | 357.9  | 324.9  | 353.0  | 422.2  | 402.4  | 404.1  | 399.1  | 400.8  |
| 68°   | 4984.4 | 4156.4 | 1068.8 | 348.0  | 318.3  | 346.4  | 415.6  | 397.5  | 399.1  | 394.2  | 392.6  |
| 70°   | 4426.9 | 3559.4 | 676.2  | 306.8  | 295.2  | 328.2  | 382.7  | 376.1  | 374.4  | 371.1  | 371.1  |
| 72.5° | 3374.6 | 2627.5 | 356.3  | 265.5  | 268.8  | 300.2  | 341.4  | 354.6  | 346.4  | 348.0  | 357.9  |
| 75°   | 2234.9 | 1580.1 | 247.4  | 227.6  | 235.9  | 257.3  | 303.5  | 329.9  | 321.6  | 326.6  | 321.6  |
| 77.5° | 1182.6 | 851.1  | 197.9  | 193.0  | 193.0  | 207.8  | 250.7  | 291.9  | 291.9  | 288.6  | 283.7  |
| 80°   | 387.6  | 300.2  | 158.3  | 151.7  | 155.0  | 163.3  | 201.2  | 239.2  | 244.1  | 237.5  | 234.2  |
| 82.5° | 130.3  | 138.5  | 118.8  | 110.5  | 113.8  | 120.4  | 151.7  | 183.1  | 184.7  | 171.5  | 168.2  |
| 85°   | 80.8   | 92.4   | 74.2   | 72.6   | 72.6   | 74.2   | 92.4   | 100.6  | 92.4   | 82.5   | 85.8   |
| 87.5° | 37.9   | 46.2   | 34.6   | 29.7   | 24.7   | 21.4   | 16.5   | 6.6    | 6.6    | 3.3    | 3.3    |
| 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)