

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: P1210244

Luminaire Tested: **ARCH2-60-740-U-T2RE-HSS**

Issue Date: 11/5/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P1210244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH2-60-740-U-T2RE-HSS  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II  
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6830 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.8  
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



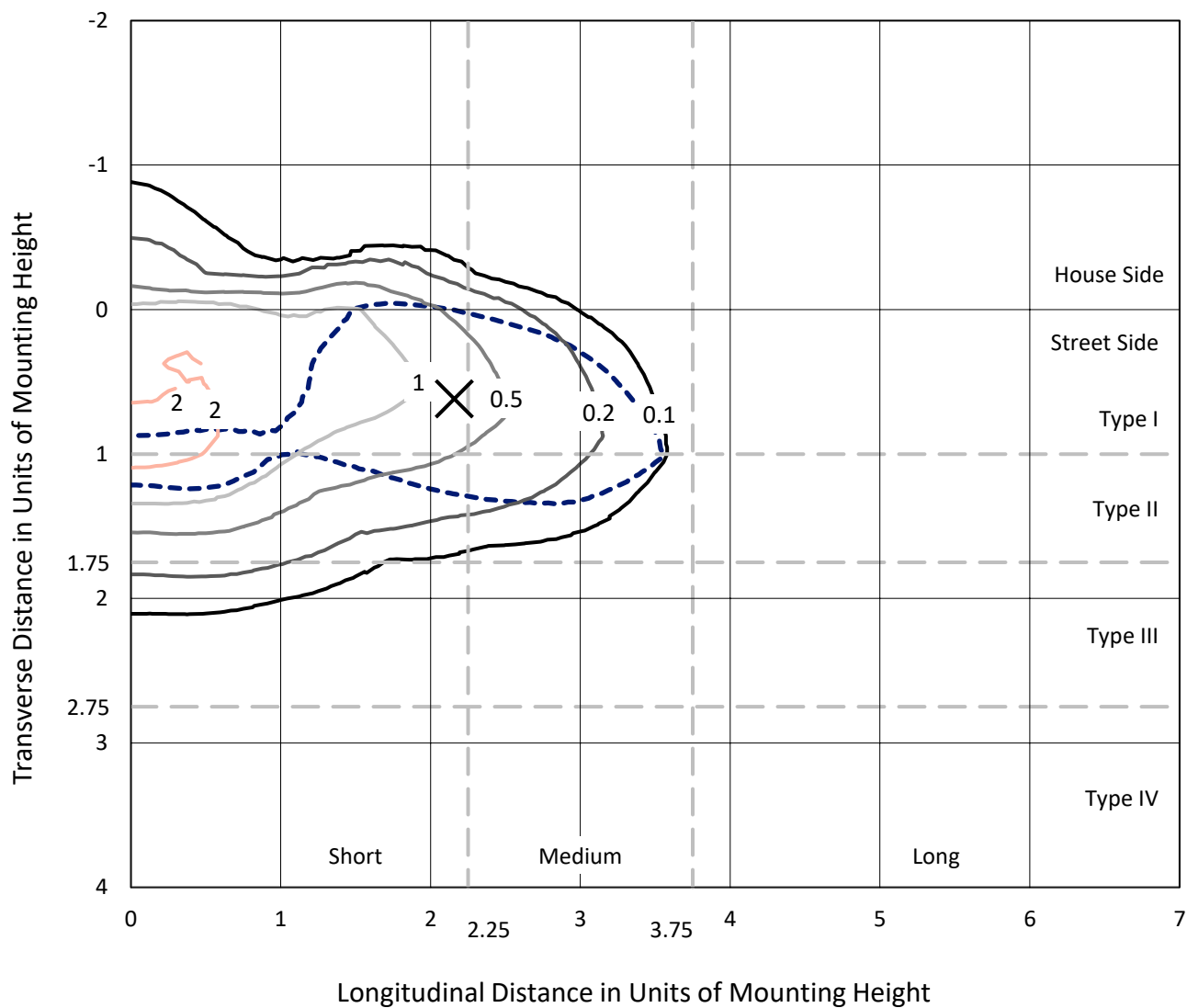
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

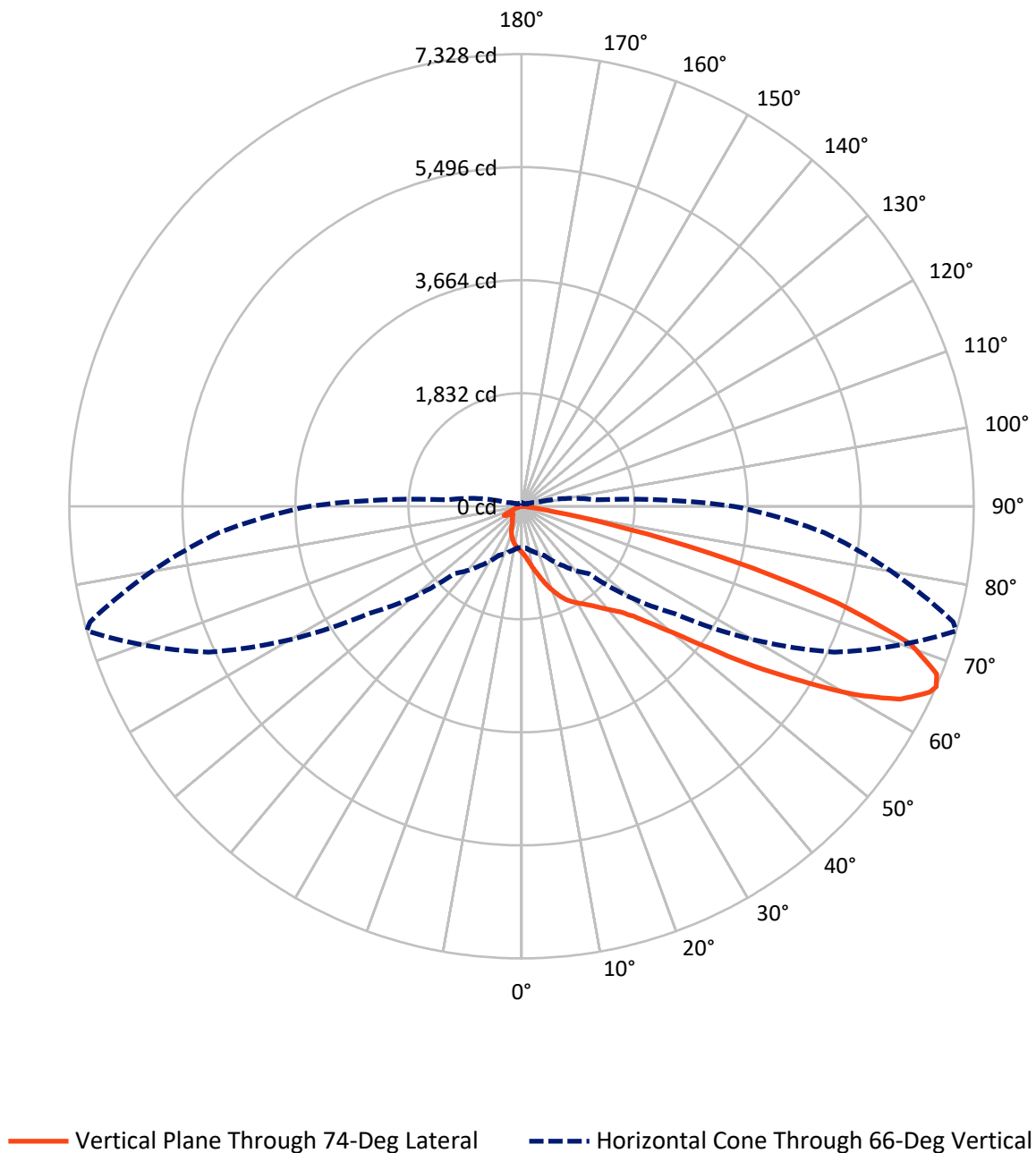
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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    | 669.6    | 0.0    | 669.6  |
|                    | % Fixture | 9.8      | 0.0    | 9.8    |
| <b>Street Side</b> | Lumens    | 6160.4   | 0.0    | 6160.4 |
|                    | % Fixture | 90.2     | 0.0    | 90.2   |
| <b>Total</b>       | Lumens    | 6830.0   | 0.0    | 6830.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.8   | 1.1       |
| 10°-20°   | 233.3  | 3.4       |
| 20°-30°   | 445.2  | 6.5       |
| 30°-40°   | 780.4  | 11.4      |
| 40°-50°   | 1338.1 | 19.6      |
| 50°-60°   | 1740.3 | 25.5      |
| 60°-70°   | 1575.4 | 23.1      |
| 70°-80°   | 607.9  | 8.9       |
| 80°-90°   | 36.6   | 0.5       |
| 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°    | 6830.0 | 100.0     |
| 0°-180°   | 6830.0 | 100.0     |

**Coefficient of Utilization**



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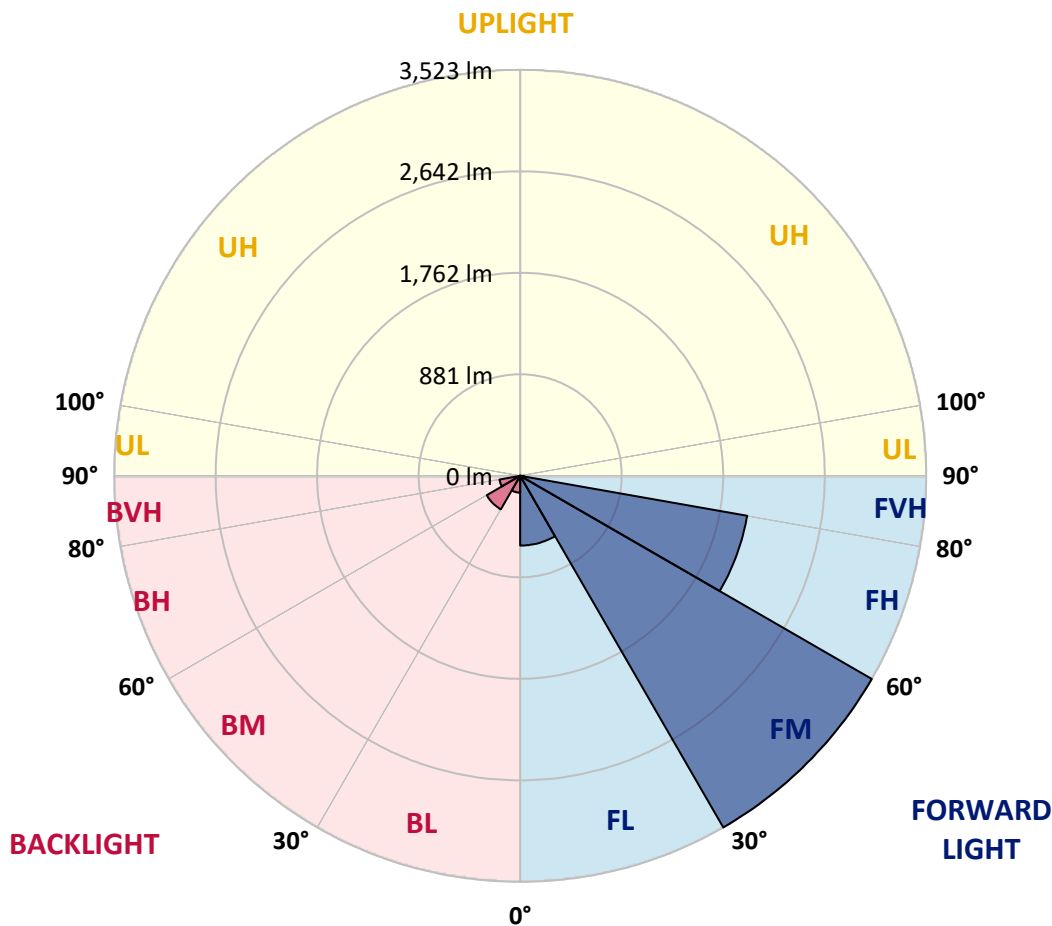
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 605.2  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 3523.3 | 51.6      |                         |      |         |
| FH   | (60°-80°)   | 2000.3 | 29.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 31.7   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 146.0  | 2.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 335.6  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 183.0  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.9    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 74°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  | 745.6  |
| 2.5°  | 895.2  | 887.8  | 874.3  | 873.1  | 862.0  | 848.6  | 825.3  | 800.7  | 783.6  | 781.1  | 760.3  |
| 5°    | 1071.7 | 1068.1 | 1054.6 | 1046.0 | 1025.1 | 993.3  | 939.3  | 885.3  | 840.0  | 835.1  | 788.5  |
| 7.5°  | 1118.3 | 1120.8 | 1123.2 | 1131.8 | 1124.5 | 1109.7 | 1069.3 | 993.3  | 922.1  | 911.1  | 830.2  |
| 10°   | 1125.7 | 1123.2 | 1123.2 | 1134.3 | 1155.1 | 1176.0 | 1171.1 | 1106.1 | 1014.1 | 1000.6 | 887.8  |
| 12.5° | 1205.4 | 1209.1 | 1200.5 | 1195.6 | 1191.9 | 1202.9 | 1239.7 | 1211.5 | 1111.0 | 1099.9 | 957.7  |
| 15°   | 1308.4 | 1307.2 | 1294.9 | 1294.9 | 1283.9 | 1265.5 | 1288.8 | 1309.6 | 1227.5 | 1214.0 | 1037.4 |
| 17.5° | 1383.2 | 1388.1 | 1386.9 | 1394.2 | 1390.6 | 1366.0 | 1353.8 | 1396.7 | 1347.6 | 1330.5 | 1128.1 |
| 20°   | 1443.3 | 1456.8 | 1461.7 | 1485.0 | 1496.0 | 1478.8 | 1447.0 | 1473.9 | 1462.9 | 1447.0 | 1220.1 |
| 22.5° | 1507.0 | 1518.1 | 1526.7 | 1567.1 | 1597.8 | 1594.1 | 1553.6 | 1547.5 | 1574.5 | 1559.8 | 1310.8 |
| 25°   | 1570.8 | 1575.7 | 1601.5 | 1650.5 | 1699.6 | 1711.8 | 1670.1 | 1622.3 | 1675.0 | 1661.6 | 1391.8 |
| 27.5° | 1640.7 | 1643.2 | 1673.8 | 1733.9 | 1802.6 | 1828.3 | 1795.2 | 1706.9 | 1752.3 | 1752.3 | 1465.4 |
| 30°   | 1768.2 | 1792.8 | 1805.0 | 1859.0 | 1919.1 | 1954.6 | 1915.4 | 1796.4 | 1821.0 | 1832.0 | 1542.6 |
| 32.5° | 2042.9 | 2046.6 | 2042.9 | 2066.2 | 2078.5 | 2099.3 | 2054.0 | 1897.0 | 1890.9 | 1903.1 | 1618.6 |
| 35°   | 2462.3 | 2447.6 | 2408.3 | 2374.0 | 2302.9 | 2263.6 | 2204.8 | 2025.7 | 1976.7 | 1993.9 | 1693.4 |
| 37.5° | 2971.2 | 2950.3 | 2860.8 | 2755.4 | 2603.3 | 2446.3 | 2372.8 | 2182.7 | 2085.8 | 2107.9 | 1774.4 |
| 40°   | 3456.8 | 3443.3 | 3336.6 | 3206.6 | 2946.7 | 2678.1 | 2522.4 | 2315.1 | 2207.2 | 2215.8 | 1856.5 |
| 42.5° | 3856.5 | 3854.1 | 3764.6 | 3628.4 | 3294.9 | 2928.3 | 2699.0 | 2445.1 | 2334.8 | 2348.2 | 1942.4 |
| 45°   | 4159.4 | 4136.1 | 4069.9 | 3971.8 | 3632.1 | 3188.2 | 2912.3 | 2642.5 | 2539.5 | 2555.5 | 2071.1 |
| 47.5° | 4159.4 | 4163.1 | 4206.0 | 4196.2 | 3867.6 | 3432.2 | 3145.3 | 2891.5 | 2842.4 | 2857.1 | 2283.3 |
| 50°   | 3821.0 | 3855.3 | 4046.6 | 4207.2 | 3990.2 | 3622.3 | 3396.7 | 3202.9 | 3253.2 | 3275.3 | 2653.6 |
| 52.5° | 3151.4 | 3209.1 | 3541.4 | 3908.0 | 3899.4 | 3718.0 | 3656.6 | 3599.0 | 3824.6 | 3863.9 | 3200.5 |
| 55°   | 2394.8 | 2432.9 | 2865.7 | 3347.6 | 3504.6 | 3639.5 | 3883.5 | 4101.8 | 4581.2 | 4572.6 | 3756.0 |
| 57.5° | 1789.1 | 1824.6 | 2197.4 | 2732.1 | 2939.3 | 3299.8 | 4000.0 | 4676.9 | 5331.7 | 5364.8 | 4277.1 |
| 60°   | 1315.8 | 1342.7 | 1660.3 | 2099.3 | 2398.5 | 2779.9 | 3953.4 | 5243.4 | 6196.2 | 6158.2 | 4737.0 |
| 62.5° | 973.6  | 988.3  | 1217.7 | 1503.4 | 1900.7 | 2264.9 | 3660.3 | 5630.9 | 6886.6 | 6809.3 | 4993.2 |
| 65°   | 752.9  | 757.8  | 876.8  | 1028.8 | 1382.0 | 1760.9 | 3223.8 | 5689.8 | 7267.9 | 7185.8 | 4988.3 |
| 66°   | 670.8  | 674.4  | 761.5  | 879.2  | 1176.0 | 1541.4 | 3032.5 | 5595.3 | 7328.0 | 7240.9 | 4927.0 |
| 67.5° | 562.8  | 560.4  | 611.9  | 689.1  | 882.9  | 1189.5 | 2692.8 | 5319.4 | 7256.9 | 7212.7 | 4730.8 |
| 70°   | 416.9  | 418.1  | 443.9  | 462.3  | 516.2  | 658.5  | 1944.8 | 4614.3 | 6687.9 | 6685.5 | 4192.5 |
| 72.5° | 309.0  | 312.7  | 332.3  | 336.0  | 322.5  | 356.8  | 1120.8 | 3670.1 | 5350.1 | 5351.3 | 3134.3 |
| 75°   | 231.8  | 237.9  | 244.0  | 246.5  | 234.2  | 225.6  | 506.4  | 2469.6 | 3519.3 | 3493.6 | 1774.4 |
| 77.5° | 176.6  | 179.0  | 183.9  | 180.3  | 177.8  | 155.7  | 210.9  | 1204.2 | 1737.6 | 1583.1 | 575.1  |
| 80°   | 128.8  | 128.8  | 133.7  | 128.8  | 127.5  | 111.6  | 115.3  | 386.3  | 510.1  | 424.3  | 123.9  |
| 82.5° | 80.9   | 79.7   | 83.4   | 82.2   | 79.7   | 71.1   | 67.4   | 107.9  | 117.7  | 105.5  | 60.1   |
| 85°   | 45.4   | 44.1   | 42.9   | 41.7   | 38.0   | 31.9   | 36.8   | 40.5   | 54.0   | 55.2   | 42.9   |
| 87.5° | 15.9   | 15.9   | 14.7   | 13.5   | 11.0   | 11.0   | 13.5   | 13.5   | 19.6   | 19.6   | 22.1   |
| 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°    | 745.6  | 745.6  | 745.6 | 745.6 | 745.6 | 745.6 | 745.6 | 745.6 | 745.6 | 745.6 | 745.6 |
| 2.5°  | 750.5  | 737.0  | 717.4 | 691.6 | 673.2 | 654.8 | 635.2 | 624.2 | 608.2 | 604.5 | 609.4 |
| 5°    | 763.9  | 739.4  | 690.4 | 636.4 | 589.8 | 548.1 | 508.9 | 485.6 | 462.3 | 453.7 | 457.4 |
| 7.5°  | 792.2  | 750.5  | 667.1 | 580.0 | 502.8 | 440.2 | 393.6 | 366.6 | 345.8 | 337.2 | 339.7 |
| 10°   | 833.8  | 770.1  | 645.0 | 516.2 | 416.9 | 350.7 | 311.5 | 294.3 | 282.0 | 277.1 | 278.4 |
| 12.5° | 884.1  | 798.3  | 616.8 | 452.5 | 343.3 | 285.7 | 267.3 | 263.6 | 261.2 | 258.7 | 260.0 |
| 15°   | 940.5  | 822.8  | 583.7 | 389.9 | 285.7 | 253.8 | 247.7 | 246.5 | 245.2 | 245.2 | 245.2 |
| 17.5° | 999.4  | 844.9  | 546.9 | 331.1 | 248.9 | 234.2 | 230.5 | 230.5 | 230.5 | 231.8 | 231.8 |
| 20°   | 1054.6 | 862.0  | 504.0 | 278.4 | 228.1 | 215.8 | 213.4 | 213.4 | 214.6 | 215.8 | 215.8 |
| 22.5° | 1108.5 | 869.4  | 453.7 | 241.6 | 210.9 | 199.9 | 196.2 | 196.2 | 196.2 | 197.4 | 197.4 |
| 25°   | 1155.1 | 869.4  | 403.4 | 218.3 | 196.2 | 185.2 | 180.3 | 179.0 | 180.3 | 180.3 | 180.3 |
| 27.5° | 1194.4 | 865.7  | 354.4 | 202.3 | 181.5 | 170.4 | 165.5 | 164.3 | 166.8 | 168.0 | 168.0 |
| 30°   | 1236.0 | 860.8  | 315.1 | 187.6 | 169.2 | 158.2 | 153.3 | 153.3 | 157.0 | 161.9 | 161.9 |
| 32.5° | 1276.5 | 864.5  | 284.5 | 175.4 | 157.0 | 148.4 | 143.5 | 144.7 | 152.1 | 159.4 | 159.4 |
| 35°   | 1319.4 | 871.9  | 266.1 | 166.8 | 148.4 | 139.8 | 136.1 | 139.8 | 147.1 | 154.5 | 154.5 |
| 37.5° | 1362.4 | 880.4  | 255.1 | 159.4 | 141.0 | 132.4 | 130.0 | 134.9 | 143.5 | 150.8 | 152.1 |
| 40°   | 1407.7 | 887.8  | 242.8 | 152.1 | 136.1 | 126.3 | 125.1 | 130.0 | 141.0 | 148.4 | 149.6 |
| 42.5° | 1464.1 | 902.5  | 228.1 | 145.9 | 131.2 | 118.9 | 120.2 | 123.9 | 134.9 | 145.9 | 147.1 |
| 45°   | 1574.5 | 949.1  | 213.4 | 139.8 | 125.1 | 115.3 | 112.8 | 115.3 | 127.5 | 139.8 | 142.2 |
| 47.5° | 1781.7 | 1054.6 | 197.4 | 133.7 | 118.9 | 112.8 | 103.0 | 105.5 | 116.5 | 130.0 | 131.2 |
| 50°   | 2179.0 | 1279.0 | 188.8 | 127.5 | 114.0 | 104.2 | 93.2  | 93.2  | 101.8 | 114.0 | 114.0 |
| 52.5° | 2798.3 | 1681.2 | 193.7 | 122.6 | 107.9 | 95.6  | 84.6  | 83.4  | 88.3  | 96.9  | 96.9  |
| 55°   | 3466.6 | 2122.6 | 212.1 | 117.7 | 100.6 | 90.7  | 78.5  | 72.3  | 76.0  | 80.9  | 80.9  |
| 57.5° | 3996.3 | 2344.6 | 262.4 | 115.3 | 92.0  | 87.1  | 71.1  | 62.5  | 66.2  | 71.1  | 71.1  |
| 60°   | 4229.3 | 2214.6 | 318.8 | 117.7 | 85.8  | 80.9  | 63.8  | 55.2  | 61.3  | 66.2  | 67.4  |
| 62.5° | 4040.5 | 1823.4 | 342.1 | 111.6 | 77.3  | 72.3  | 62.5  | 51.5  | 58.9  | 62.5  | 63.8  |
| 65°   | 3632.1 | 1385.7 | 267.3 | 96.9  | 71.1  | 62.5  | 56.4  | 49.0  | 55.2  | 58.9  | 58.9  |
| 66°   | 3438.4 | 1207.8 | 228.1 | 89.5  | 68.7  | 58.9  | 54.0  | 49.0  | 54.0  | 56.4  | 57.6  |
| 67.5° | 3137.9 | 952.8  | 169.2 | 78.5  | 63.8  | 54.0  | 50.3  | 46.6  | 51.5  | 54.0  | 54.0  |
| 70°   | 2453.7 | 567.7  | 101.8 | 61.3  | 55.2  | 47.8  | 45.4  | 42.9  | 46.6  | 47.8  | 47.8  |
| 72.5° | 1536.5 | 269.8  | 65.0  | 45.4  | 46.6  | 45.4  | 38.0  | 40.5  | 41.7  | 42.9  | 42.9  |
| 75°   | 744.3  | 106.7  | 44.1  | 33.1  | 38.0  | 42.9  | 30.7  | 35.6  | 36.8  | 39.2  | 38.0  |
| 77.5° | 207.2  | 51.5   | 28.2  | 24.5  | 33.1  | 33.1  | 23.3  | 28.2  | 33.1  | 41.7  | 38.0  |
| 80°   | 60.1   | 33.1   | 18.4  | 18.4  | 23.3  | 23.3  | 15.9  | 19.6  | 22.1  | 24.5  | 25.8  |
| 82.5° | 41.7   | 22.1   | 12.3  | 13.5  | 13.5  | 14.7  | 9.8   | 9.8   | 12.3  | 12.3  | 13.5  |
| 85°   | 33.1   | 9.8    | 7.4   | 8.6   | 6.1   | 7.4   | 4.9   | 4.9   | 6.1   | 4.9   | 4.9   |
| 87.5° | 13.5   | 4.9    | 4.9   | 4.9   | 3.7   | 3.7   | 2.5   | 1.2   | 1.2   | 1.2   | 1.2   |
| 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)