

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: P1210740

Luminaire Tested: **ARCH3-60-722-U-T2RE-HSS**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1210740  
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: ARCH3-60-722-U-T2RE-HSS  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY  
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6339 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
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

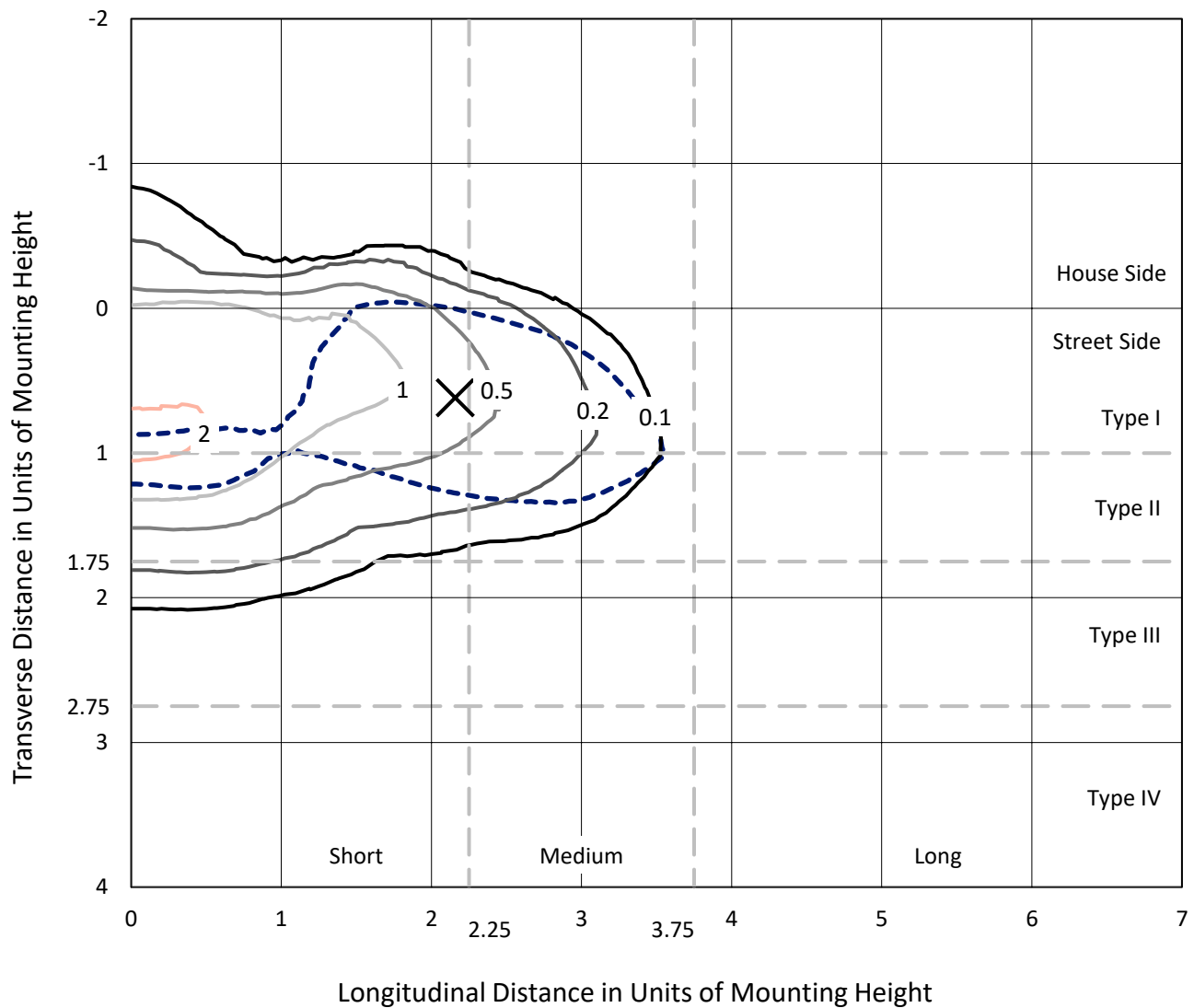


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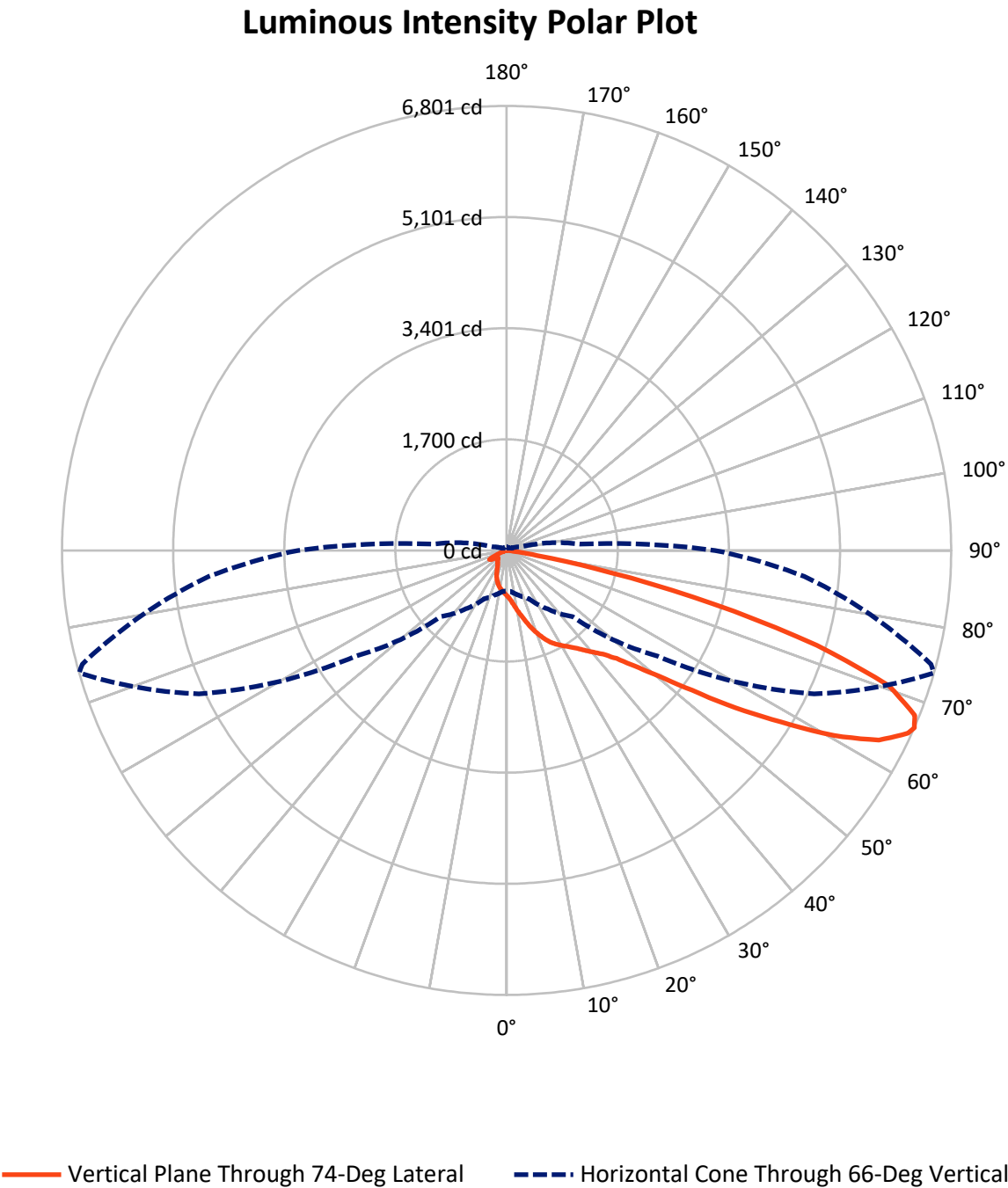
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 621.4    | 0.0    | 621.4  |
|                    | % Fixture | 9.8      | 0.0    | 9.8    |
| <b>Street Side</b> | Lumens    | 5717.6   | 0.0    | 5717.6 |
|                    | % Fixture | 90.2     | 0.0    | 90.2   |
| <b>Total</b>       | Lumens    | 6339.0   | 0.0    | 6339.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.5   | 1.1       |
| 10°-20°   | 216.5  | 3.4       |
| 20°-30°   | 413.2  | 6.5       |
| 30°-40°   | 724.3  | 11.4      |
| 40°-50°   | 1241.9 | 19.6      |
| 50°-60°   | 1615.2 | 25.5      |
| 60°-70°   | 1462.2 | 23.1      |
| 70°-80°   | 564.2  | 8.9       |
| 80°-90°   | 34.0   | 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°    | 6339.0 | 100.0     |
| 0°-180°   | 6339.0 | 100.0     |

**Coefficient of Utilization**



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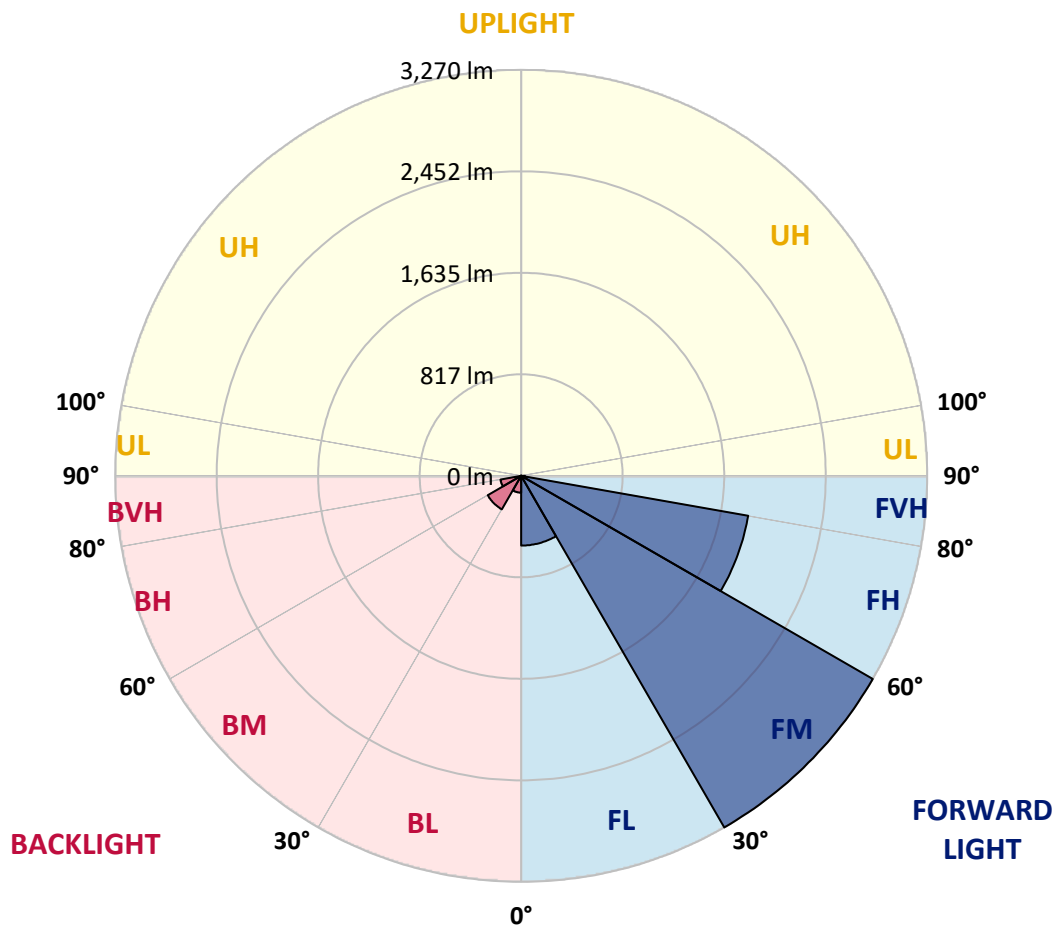
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 561.7  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 3270.0 | 51.6      |                         |      |         |
| FH   | (60°-80°)   | 1856.5 | 29.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 29.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 135.5  | 2.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 311.4  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 169.9  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.6    | 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°    | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  | 692.0  |
| 2.5°  | 830.8  | 824.0  | 811.5  | 810.3  | 800.1  | 787.6  | 765.9  | 743.2  | 727.2  | 725.0  | 705.6  |
| 5°    | 994.7  | 991.3  | 978.8  | 970.8  | 951.4  | 921.9  | 871.8  | 821.7  | 779.6  | 775.0  | 731.8  |
| 7.5°  | 1037.9 | 1040.2 | 1042.5 | 1050.5 | 1043.6 | 1030.0 | 992.4  | 921.9  | 855.8  | 845.6  | 770.5  |
| 10°   | 1044.8 | 1042.5 | 1042.5 | 1052.7 | 1072.1 | 1091.4 | 1086.9 | 1026.6 | 941.2  | 928.7  | 824.0  |
| 12.5° | 1118.7 | 1122.2 | 1114.2 | 1109.6 | 1106.2 | 1116.5 | 1150.6 | 1124.4 | 1031.1 | 1020.9 | 888.8  |
| 15°   | 1214.3 | 1213.2 | 1201.8 | 1201.8 | 1191.6 | 1174.5 | 1196.1 | 1215.5 | 1139.2 | 1126.7 | 962.8  |
| 17.5° | 1283.8 | 1288.3 | 1287.2 | 1294.0 | 1290.6 | 1267.8 | 1256.4 | 1296.3 | 1250.8 | 1234.8 | 1047.0 |
| 20°   | 1339.5 | 1352.0 | 1356.6 | 1378.2 | 1388.5 | 1372.5 | 1342.9 | 1368.0 | 1357.7 | 1342.9 | 1132.4 |
| 22.5° | 1398.7 | 1409.0 | 1416.9 | 1454.5 | 1482.9 | 1479.5 | 1442.0 | 1436.3 | 1461.3 | 1447.6 | 1216.6 |
| 25°   | 1457.9 | 1462.4 | 1486.3 | 1531.9 | 1577.4 | 1588.8 | 1550.1 | 1505.7 | 1554.6 | 1542.1 | 1291.7 |
| 27.5° | 1522.8 | 1525.0 | 1553.5 | 1609.3 | 1673.0 | 1696.9 | 1666.2 | 1584.2 | 1626.3 | 1626.3 | 1360.0 |
| 30°   | 1641.1 | 1663.9 | 1675.3 | 1725.3 | 1781.1 | 1814.1 | 1777.7 | 1667.3 | 1690.1 | 1700.3 | 1431.7 |
| 32.5° | 1896.1 | 1899.5 | 1896.1 | 1917.7 | 1929.1 | 1948.4 | 1906.3 | 1760.6 | 1754.9 | 1766.3 | 1502.3 |
| 35°   | 2285.3 | 2271.6 | 2235.2 | 2203.3 | 2137.3 | 2100.9 | 2046.3 | 1880.1 | 1834.6 | 1850.5 | 1571.7 |
| 37.5° | 2757.6 | 2738.2 | 2655.2 | 2557.3 | 2416.2 | 2270.5 | 2202.2 | 2025.8 | 1935.9 | 1956.4 | 1646.8 |
| 40°   | 3208.3 | 3195.7 | 3096.7 | 2976.1 | 2734.8 | 2485.6 | 2341.0 | 2148.7 | 2048.6 | 2056.5 | 1723.1 |
| 42.5° | 3579.3 | 3577.0 | 3493.9 | 3367.6 | 3058.0 | 2717.8 | 2504.9 | 2269.3 | 2166.9 | 2179.4 | 1802.7 |
| 45°   | 3860.4 | 3838.8 | 3777.3 | 3686.3 | 3371.0 | 2959.0 | 2703.0 | 2452.6 | 2357.0 | 2371.8 | 1922.2 |
| 47.5° | 3860.4 | 3863.8 | 3903.6 | 3894.5 | 3589.5 | 3185.5 | 2919.2 | 2683.6 | 2638.1 | 2651.7 | 2119.1 |
| 50°   | 3546.3 | 3578.1 | 3755.7 | 3904.8 | 3703.3 | 3361.9 | 3152.5 | 2972.7 | 3019.3 | 3039.8 | 2462.8 |
| 52.5° | 2924.9 | 2978.4 | 3286.8 | 3627.1 | 3619.1 | 3450.7 | 3393.8 | 3340.3 | 3549.7 | 3586.1 | 2970.4 |
| 55°   | 2222.7 | 2258.0 | 2659.7 | 3107.0 | 3252.7 | 3377.8 | 3604.3 | 3806.9 | 4251.9 | 4243.9 | 3486.0 |
| 57.5° | 1660.5 | 1693.5 | 2039.5 | 2535.7 | 2728.0 | 3062.6 | 3712.4 | 4340.7 | 4948.4 | 4979.1 | 3969.6 |
| 60°   | 1221.2 | 1246.2 | 1541.0 | 1948.4 | 2226.1 | 2580.0 | 3669.2 | 4866.5 | 5750.8 | 5715.5 | 4396.4 |
| 62.5° | 903.6  | 917.3  | 1130.1 | 1395.3 | 1764.0 | 2102.0 | 3397.2 | 5226.1 | 6391.5 | 6319.8 | 4634.3 |
| 65°   | 698.8  | 703.3  | 813.7  | 954.9  | 1282.6 | 1634.3 | 2992.0 | 5280.7 | 6745.4 | 6669.2 | 4629.7 |
| 66°   | 622.5  | 625.9  | 706.8  | 816.0  | 1091.4 | 1430.6 | 2814.5 | 5193.1 | 6801.2 | 6720.4 | 4572.8 |
| 67.5° | 522.4  | 520.1  | 567.9  | 639.6  | 819.4  | 1103.9 | 2499.2 | 4937.0 | 6735.2 | 6694.2 | 4390.7 |
| 70°   | 386.9  | 388.1  | 412.0  | 429.1  | 479.1  | 611.2  | 1805.0 | 4282.6 | 6207.1 | 6204.8 | 3891.1 |
| 72.5° | 286.8  | 290.2  | 308.4  | 311.8  | 299.3  | 331.2  | 1040.2 | 3406.3 | 4965.5 | 4966.6 | 2908.9 |
| 75°   | 215.1  | 220.8  | 226.5  | 228.8  | 217.4  | 209.4  | 470.0  | 2292.1 | 3266.3 | 3242.4 | 1646.8 |
| 77.5° | 163.9  | 166.2  | 170.7  | 167.3  | 165.0  | 144.5  | 195.8  | 1117.6 | 1612.7 | 1469.3 | 533.8  |
| 80°   | 119.5  | 119.5  | 124.1  | 119.5  | 118.4  | 103.6  | 107.0  | 358.5  | 473.4  | 393.8  | 114.9  |
| 82.5° | 75.1   | 74.0   | 77.4   | 76.3   | 74.0   | 66.0   | 62.6   | 100.2  | 109.3  | 97.9   | 55.8   |
| 85°   | 42.1   | 41.0   | 39.8   | 38.7   | 35.3   | 29.6   | 34.1   | 37.6   | 50.1   | 51.2   | 39.8   |
| 87.5° | 14.8   | 14.8   | 13.7   | 12.5   | 10.2   | 10.2   | 12.5   | 12.5   | 18.2   | 18.2   | 20.5   |
| 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°    | 692.0  | 692.0  | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 |
| 2.5°  | 696.5  | 684.0  | 665.8 | 641.9 | 624.8 | 607.7 | 589.5 | 579.3 | 564.5 | 561.1 | 565.6 |
| 5°    | 709.0  | 686.3  | 640.7 | 590.7 | 547.4 | 508.7 | 472.3 | 450.7 | 429.1 | 421.1 | 424.5 |
| 7.5°  | 735.2  | 696.5  | 619.1 | 538.3 | 466.6 | 408.6 | 365.3 | 340.3 | 320.9 | 313.0 | 315.2 |
| 10°   | 773.9  | 714.7  | 598.6 | 479.1 | 386.9 | 325.5 | 289.1 | 273.1 | 261.8 | 257.2 | 258.3 |
| 12.5° | 820.6  | 740.9  | 572.5 | 420.0 | 318.7 | 265.2 | 248.1 | 244.7 | 242.4 | 240.1 | 241.3 |
| 15°   | 872.9  | 763.7  | 541.7 | 361.9 | 265.2 | 235.6 | 229.9 | 228.8 | 227.6 | 227.6 | 227.6 |
| 17.5° | 927.5  | 784.1  | 507.6 | 307.3 | 231.0 | 217.4 | 214.0 | 214.0 | 214.0 | 215.1 | 215.1 |
| 20°   | 978.8  | 800.1  | 467.8 | 258.3 | 211.7 | 200.3 | 198.0 | 198.0 | 199.2 | 200.3 | 200.3 |
| 22.5° | 1028.8 | 806.9  | 421.1 | 224.2 | 195.8 | 185.5 | 182.1 | 182.1 | 182.1 | 183.2 | 183.2 |
| 25°   | 1072.1 | 806.9  | 374.4 | 202.6 | 182.1 | 171.9 | 167.3 | 166.2 | 167.3 | 167.3 | 167.3 |
| 27.5° | 1108.5 | 803.5  | 328.9 | 187.8 | 168.4 | 158.2 | 153.6 | 152.5 | 154.8 | 155.9 | 155.9 |
| 30°   | 1147.2 | 798.9  | 292.5 | 174.1 | 157.1 | 146.8 | 142.3 | 142.3 | 145.7 | 150.2 | 150.2 |
| 32.5° | 1184.7 | 802.4  | 264.0 | 162.7 | 145.7 | 137.7 | 133.2 | 134.3 | 141.1 | 148.0 | 148.0 |
| 35°   | 1224.6 | 809.2  | 247.0 | 154.8 | 137.7 | 129.7 | 126.3 | 129.7 | 136.6 | 143.4 | 143.4 |
| 37.5° | 1264.4 | 817.1  | 236.7 | 148.0 | 130.9 | 122.9 | 120.6 | 125.2 | 133.2 | 140.0 | 141.1 |
| 40°   | 1306.5 | 824.0  | 225.3 | 141.1 | 126.3 | 117.2 | 116.1 | 120.6 | 130.9 | 137.7 | 138.8 |
| 42.5° | 1358.9 | 837.6  | 211.7 | 135.4 | 121.8 | 110.4 | 111.5 | 114.9 | 125.2 | 135.4 | 136.6 |
| 45°   | 1461.3 | 880.9  | 198.0 | 129.7 | 116.1 | 107.0 | 104.7 | 107.0 | 118.4 | 129.7 | 132.0 |
| 47.5° | 1653.6 | 978.8  | 183.2 | 124.1 | 110.4 | 104.7 | 95.6  | 97.9  | 108.1 | 120.6 | 121.8 |
| 50°   | 2022.4 | 1187.0 | 175.3 | 118.4 | 105.8 | 96.7  | 86.5  | 86.5  | 94.5  | 105.8 | 105.8 |
| 52.5° | 2597.1 | 1560.3 | 179.8 | 113.8 | 100.2 | 88.8  | 78.5  | 77.4  | 81.9  | 89.9  | 89.9  |
| 55°   | 3217.4 | 1970.0 | 196.9 | 109.3 | 93.3  | 84.2  | 72.8  | 67.1  | 70.6  | 75.1  | 75.1  |
| 57.5° | 3709.0 | 2176.0 | 243.6 | 107.0 | 85.4  | 80.8  | 66.0  | 58.0  | 61.5  | 66.0  | 66.0  |
| 60°   | 3925.3 | 2055.4 | 295.9 | 109.3 | 79.7  | 75.1  | 59.2  | 51.2  | 56.9  | 61.5  | 62.6  |
| 62.5° | 3750.0 | 1692.3 | 317.5 | 103.6 | 71.7  | 67.1  | 58.0  | 47.8  | 54.6  | 58.0  | 59.2  |
| 65°   | 3371.0 | 1286.0 | 248.1 | 89.9  | 66.0  | 58.0  | 52.4  | 45.5  | 51.2  | 54.6  | 54.6  |
| 66°   | 3191.2 | 1121.0 | 211.7 | 83.1  | 63.7  | 54.6  | 50.1  | 45.5  | 50.1  | 52.4  | 53.5  |
| 67.5° | 2912.4 | 884.3  | 157.1 | 72.8  | 59.2  | 50.1  | 46.7  | 43.2  | 47.8  | 50.1  | 50.1  |
| 70°   | 2277.3 | 526.9  | 94.5  | 56.9  | 51.2  | 44.4  | 42.1  | 39.8  | 43.2  | 44.4  | 44.4  |
| 72.5° | 1426.0 | 250.4  | 60.3  | 42.1  | 43.2  | 42.1  | 35.3  | 37.6  | 38.7  | 39.8  | 39.8  |
| 75°   | 690.8  | 99.0   | 41.0  | 30.7  | 35.3  | 39.8  | 28.5  | 33.0  | 34.1  | 36.4  | 35.3  |
| 77.5° | 192.3  | 47.8   | 26.2  | 22.8  | 30.7  | 30.7  | 21.6  | 26.2  | 30.7  | 38.7  | 35.3  |
| 80°   | 55.8   | 30.7   | 17.1  | 17.1  | 21.6  | 21.6  | 14.8  | 18.2  | 20.5  | 22.8  | 23.9  |
| 82.5° | 38.7   | 20.5   | 11.4  | 12.5  | 12.5  | 13.7  | 9.1   | 9.1   | 11.4  | 11.4  | 12.5  |
| 85°   | 30.7   | 9.1    | 6.8   | 8.0   | 5.7   | 6.8   | 4.6   | 4.6   | 5.7   | 4.6   | 4.6   |
| 87.5° | 12.5   | 4.6    | 4.6   | 4.6   | 3.4   | 3.4   | 2.3   | 1.1   | 1.1   | 1.1   | 1.1   |
| 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)