

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: P1210900

Luminaire Tested: **ARCH4-110-722-U-T2RE-HSS**

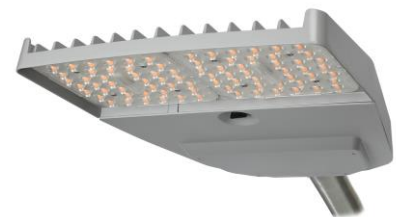
Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1210900  
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: ARCH4-110-722-U-T2RE-HSS  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 920mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II  
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11600 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 112.6  
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



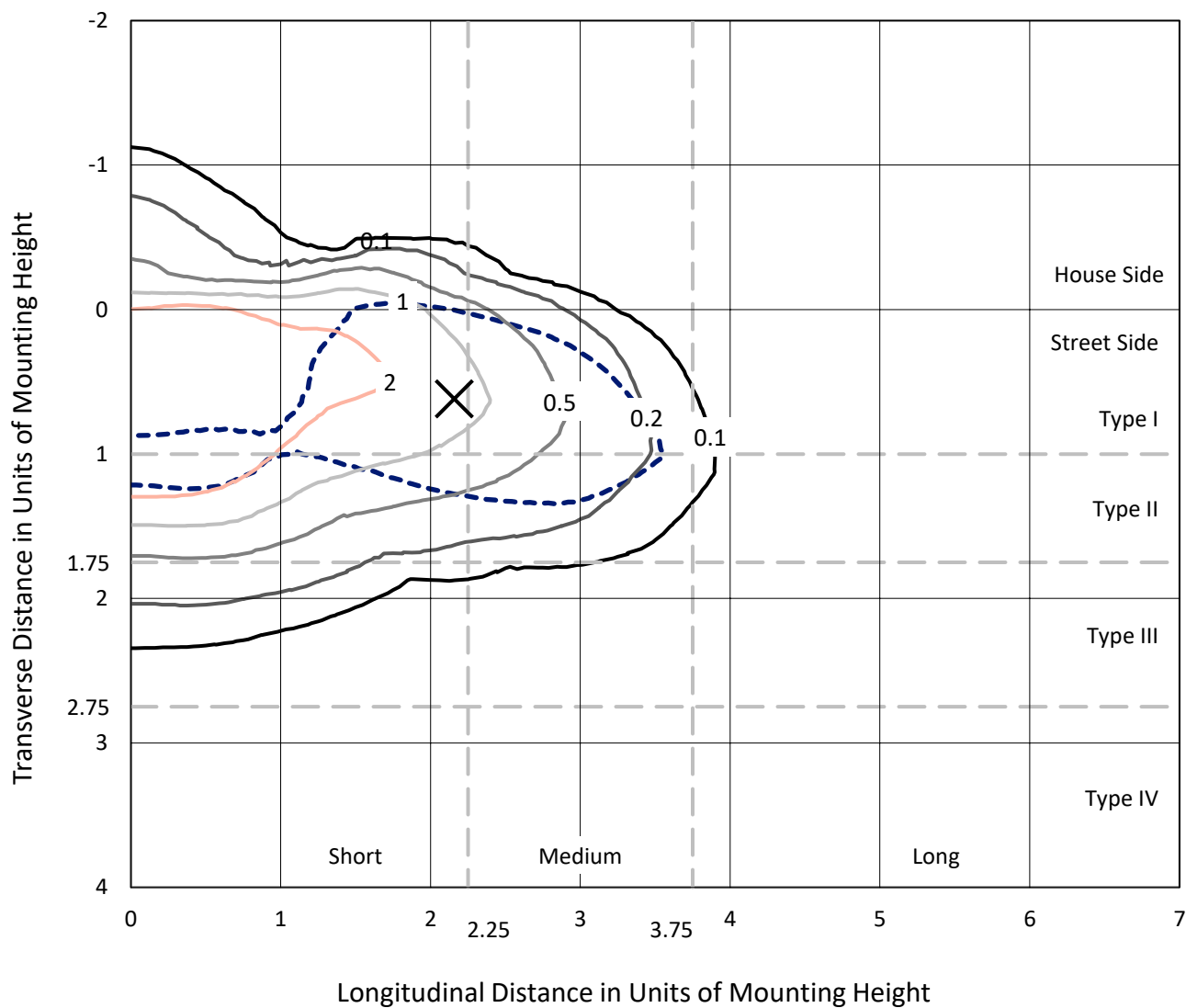
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## Iso-Footcandle Lines of Horizontal Illumination

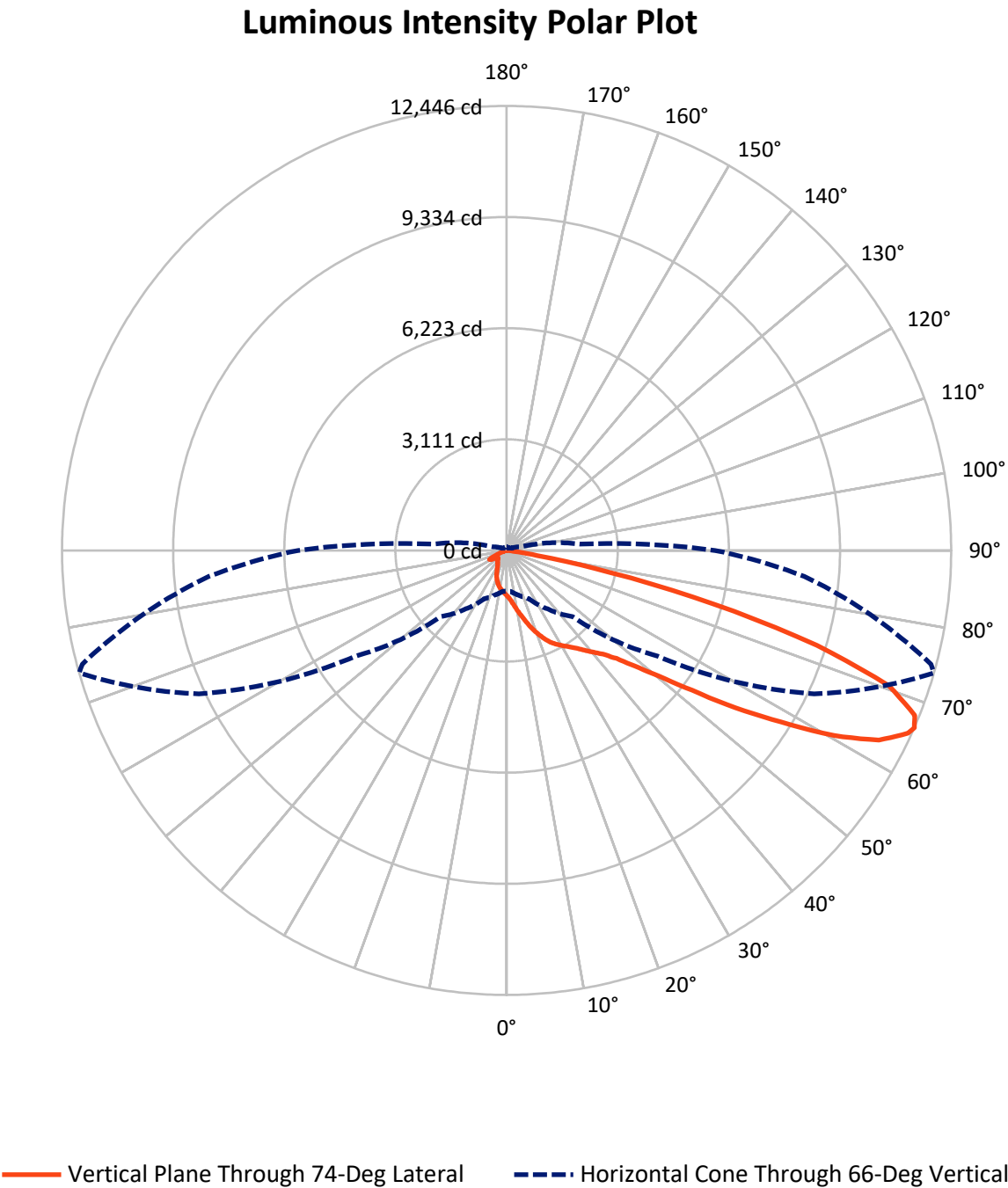
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1137.2   | 0.0    | 1137.2  |
|                    | % Fixture | 9.8      | 0.0    | 9.8     |
| <b>Street Side</b> | Lumens    | 10462.8  | 0.0    | 10462.8 |
|                    | % Fixture | 90.2     | 0.0    | 90.2    |
| <b>Total</b>       | Lumens    | 11600.0  | 0.0    | 11600.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 123.6   | 1.1       |
| 10°-20°   | 396.2   | 3.4       |
| 20°-30°   | 756.2   | 6.5       |
| 30°-40°   | 1325.4  | 11.4      |
| 40°-50°   | 2272.7  | 19.6      |
| 50°-60°   | 2955.8  | 25.5      |
| 60°-70°   | 2675.7  | 23.1      |
| 70°-80°   | 1032.4  | 8.9       |
| 80°-90°   | 62.1    | 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°    | 11600.0 | 100.0     |
| 0°-180°   | 11600.0 | 100.0     |

**Coefficient of Utilization**



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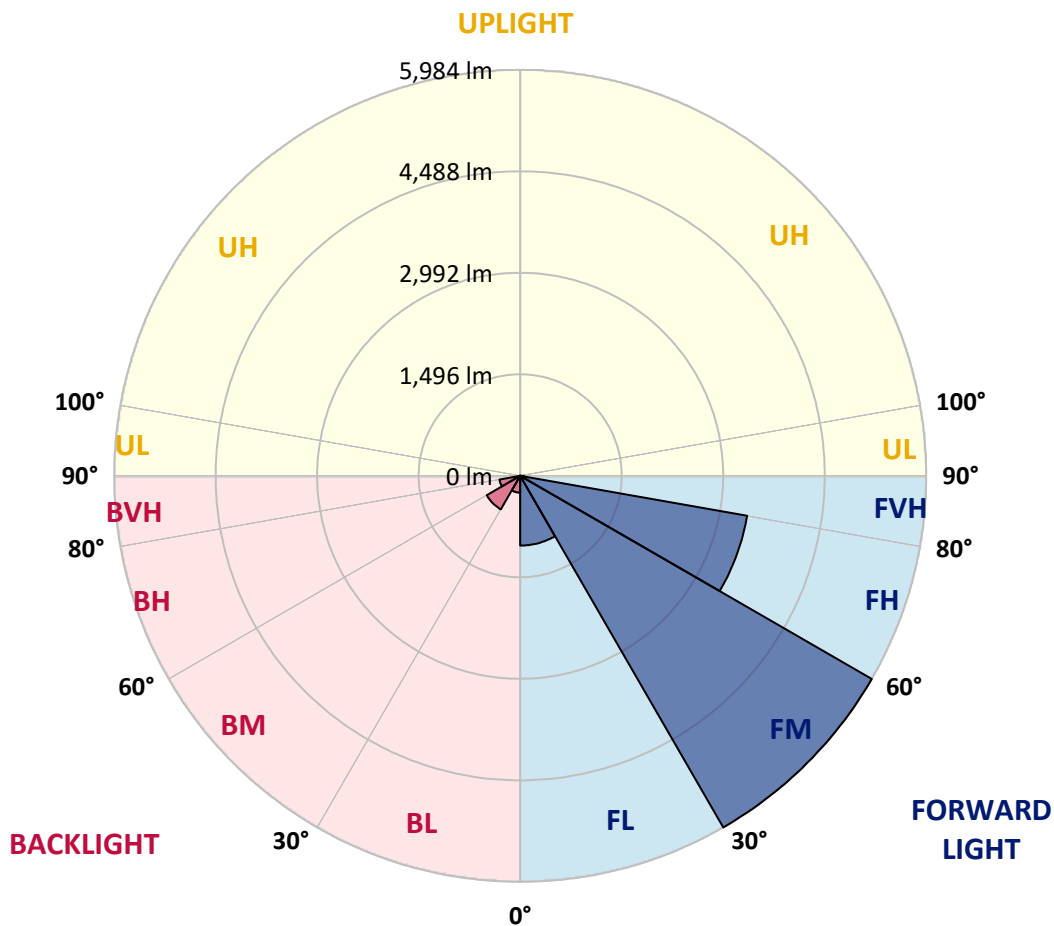
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1027.9 | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 5983.9 | 51.6      |                         |      |         |
| FH   | (60°-80°)   | 3397.2 | 29.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 53.8   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 248.0  | 2.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 569.9  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 310.9  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.3    | 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°    | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2  | 1266.2  | 1266.2 |
| 2.5°  | 1520.3 | 1507.8 | 1484.9 | 1482.8 | 1464.1 | 1441.2 | 1401.6 | 1360.0 | 1330.8  | 1326.6  | 1291.2 |
| 5°    | 1820.2 | 1814.0 | 1791.1 | 1776.5 | 1741.1 | 1686.9 | 1595.3 | 1503.7 | 1426.6  | 1418.3  | 1339.1 |
| 7.5°  | 1899.4 | 1903.5 | 1907.7 | 1922.3 | 1909.8 | 1884.8 | 1816.1 | 1686.9 | 1566.1  | 1547.4  | 1409.9 |
| 10°   | 1911.9 | 1907.7 | 1907.7 | 1926.4 | 1961.8 | 1997.2 | 1988.9 | 1878.5 | 1722.3  | 1699.4  | 1507.8 |
| 12.5° | 2047.2 | 2053.5 | 2038.9 | 2030.6 | 2024.3 | 2043.1 | 2105.5 | 2057.6 | 1886.9  | 1868.1  | 1626.5 |
| 15°   | 2222.2 | 2220.1 | 2199.3 | 2199.3 | 2180.5 | 2149.3 | 2188.8 | 2224.3 | 2084.7  | 2061.8  | 1761.9 |
| 17.5° | 2349.2 | 2357.5 | 2355.5 | 2368.0 | 2361.7 | 2320.1 | 2299.2 | 2372.1 | 2288.8  | 2259.7  | 1916.0 |
| 20°   | 2451.3 | 2474.2 | 2482.5 | 2522.1 | 2540.8 | 2511.7 | 2457.5 | 2503.3 | 2484.6  | 2457.5  | 2072.2 |
| 22.5° | 2559.6 | 2578.3 | 2592.9 | 2661.6 | 2713.7 | 2707.4 | 2638.7 | 2628.3 | 2674.1  | 2649.1  | 2226.3 |
| 25°   | 2667.9 | 2676.2 | 2719.9 | 2803.2 | 2886.5 | 2907.4 | 2836.5 | 2755.3 | 2844.9  | 2822.0  | 2363.8 |
| 27.5° | 2786.6 | 2790.7 | 2842.8 | 2944.8 | 3061.5 | 3105.2 | 3049.0 | 2899.0 | 2976.1  | 2976.1  | 2488.7 |
| 30°   | 3003.2 | 3044.8 | 3065.6 | 3157.3 | 3259.3 | 3319.7 | 3253.1 | 3051.1 | 3092.7  | 3111.5  | 2620.0 |
| 32.5° | 3469.7 | 3475.9 | 3469.7 | 3509.2 | 3530.1 | 3565.5 | 3488.4 | 3221.8 | 3211.4  | 3232.2  | 2749.1 |
| 35°   | 4181.9 | 4156.9 | 4090.3 | 4032.0 | 3911.2 | 3844.5 | 3744.6 | 3440.5 | 3357.2  | 3386.4  | 2876.1 |
| 37.5° | 5046.2 | 5010.8 | 4858.8 | 4679.7 | 4421.4 | 4154.9 | 4029.9 | 3707.1 | 3542.6  | 3580.0  | 3013.6 |
| 40°   | 5870.9 | 5848.0 | 5666.8 | 5446.1 | 5004.6 | 4548.5 | 4284.0 | 3932.0 | 3748.7  | 3763.3  | 3153.1 |
| 42.5° | 6549.9 | 6545.7 | 6393.7 | 6162.5 | 5596.0 | 4973.3 | 4583.9 | 4152.8 | 3965.3  | 3988.2  | 3298.9 |
| 45°   | 7064.3 | 7024.7 | 6912.3 | 6745.6 | 6168.8 | 5414.8 | 4946.3 | 4488.1 | 4313.1  | 4340.2  | 3517.6 |
| 47.5° | 7064.3 | 7070.5 | 7143.4 | 7126.8 | 6568.6 | 5829.3 | 5342.0 | 4910.8 | 4827.5  | 4852.5  | 3877.9 |
| 50°   | 6489.5 | 6547.8 | 6872.7 | 7145.5 | 6776.9 | 6152.1 | 5768.9 | 5439.8 | 5525.2  | 5562.7  | 4506.8 |
| 52.5° | 5352.4 | 5450.2 | 6014.6 | 6637.3 | 6622.8 | 6314.5 | 6210.4 | 6112.5 | 6495.7  | 6562.4  | 5435.7 |
| 55°   | 4067.4 | 4131.9 | 4867.1 | 5685.6 | 5952.2 | 6181.3 | 6595.7 | 6966.4 | 7780.7  | 7766.1  | 6379.1 |
| 57.5° | 3038.6 | 3099.0 | 3732.1 | 4640.1 | 4992.1 | 5604.4 | 6793.5 | 7943.2 | 9055.3  | 9111.5  | 7264.2 |
| 60°   | 2234.7 | 2280.5 | 2819.9 | 3565.5 | 4073.6 | 4721.3 | 6714.4 | 8905.3 | 10523.5 | 10459.0 | 8045.2 |
| 62.5° | 1653.6 | 1678.6 | 2068.1 | 2553.3 | 3228.1 | 3846.6 | 6216.7 | 9563.4 | 11696.1 | 11564.9 | 8480.5 |
| 65°   | 1278.7 | 1287.1 | 1489.1 | 1747.3 | 2347.1 | 2990.7 | 5475.2 | 9663.4 | 12343.8 | 12204.2 | 8472.1 |
| 66°   | 1139.2 | 1145.4 | 1293.3 | 1493.2 | 1997.2 | 2617.9 | 5150.3 | 9503.0 | 12445.8 | 12297.9 | 8368.0 |
| 67.5° | 955.9  | 951.8  | 1039.2 | 1170.4 | 1499.5 | 2020.2 | 4573.5 | 9034.5 | 12325.0 | 12250.0 | 8034.8 |
| 70°   | 708.1  | 710.2  | 753.9  | 785.2  | 876.8  | 1118.4 | 3303.1 | 7836.9 | 11358.7 | 11354.5 | 7120.5 |
| 72.5° | 524.8  | 531.1  | 564.4  | 570.6  | 547.7  | 606.0  | 1903.5 | 6233.3 | 9086.5  | 9088.6  | 5323.2 |
| 75°   | 393.6  | 404.0  | 414.4  | 418.6  | 397.8  | 383.2  | 860.1  | 4194.4 | 5977.2  | 5933.4  | 3013.6 |
| 77.5° | 299.9  | 304.1  | 312.4  | 306.1  | 302.0  | 264.5  | 358.2  | 2045.1 | 2951.1  | 2688.7  | 976.8  |
| 80°   | 218.7  | 218.7  | 227.0  | 218.7  | 216.6  | 189.5  | 195.8  | 656.0  | 866.4   | 720.6   | 210.3  |
| 82.5° | 137.5  | 135.4  | 141.6  | 139.5  | 135.4  | 120.8  | 114.5  | 183.3  | 199.9   | 179.1   | 102.0  |
| 85°   | 77.1   | 75.0   | 72.9   | 70.8   | 64.6   | 54.1   | 62.5   | 68.7   | 91.6    | 93.7    | 72.9   |
| 87.5° | 27.1   | 27.1   | 25.0   | 22.9   | 18.7   | 18.7   | 22.9   | 22.9   | 33.3    | 33.3    | 37.5   |
| 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°    | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 | 1266.2 |
| 2.5°  | 1274.6 | 1251.7 | 1218.3 | 1174.6 | 1143.4 | 1112.1 | 1078.8 | 1060.1 | 1033.0 | 1026.7 | 1035.1 |
| 5°    | 1297.5 | 1255.8 | 1172.5 | 1080.9 | 1001.7 | 930.9  | 864.3  | 824.7  | 785.2  | 770.6  | 776.8  |
| 7.5°  | 1345.4 | 1274.6 | 1133.0 | 985.1  | 853.9  | 747.7  | 668.5  | 622.7  | 587.3  | 572.7  | 576.9  |
| 10°   | 1416.2 | 1307.9 | 1095.5 | 876.8  | 708.1  | 595.6  | 529.0  | 499.8  | 479.0  | 470.7  | 472.8  |
| 12.5° | 1501.6 | 1355.8 | 1047.6 | 768.5  | 583.1  | 485.3  | 454.0  | 447.8  | 443.6  | 439.4  | 441.5  |
| 15°   | 1597.4 | 1397.4 | 991.3  | 662.3  | 485.3  | 431.1  | 420.7  | 418.6  | 416.5  | 416.5  | 416.5  |
| 17.5° | 1697.3 | 1434.9 | 928.9  | 562.3  | 422.8  | 397.8  | 391.5  | 391.5  | 391.5  | 393.6  | 393.6  |
| 20°   | 1791.1 | 1464.1 | 856.0  | 472.8  | 387.4  | 366.5  | 362.4  | 362.4  | 364.5  | 366.5  | 366.5  |
| 22.5° | 1882.7 | 1476.6 | 770.6  | 410.3  | 358.2  | 339.5  | 333.2  | 333.2  | 333.2  | 335.3  | 335.3  |
| 25°   | 1961.8 | 1476.6 | 685.2  | 370.7  | 333.2  | 314.5  | 306.1  | 304.1  | 306.1  | 306.1  | 306.1  |
| 27.5° | 2028.5 | 1470.3 | 601.9  | 343.6  | 308.2  | 289.5  | 281.2  | 279.1  | 283.2  | 285.3  | 285.3  |
| 30°   | 2099.3 | 1462.0 | 535.2  | 318.6  | 287.4  | 268.7  | 260.3  | 260.3  | 266.6  | 274.9  | 274.9  |
| 32.5° | 2168.0 | 1468.3 | 483.2  | 297.8  | 266.6  | 252.0  | 243.7  | 245.8  | 258.2  | 270.7  | 270.7  |
| 35°   | 2240.9 | 1480.8 | 451.9  | 283.2  | 252.0  | 237.4  | 231.2  | 237.4  | 249.9  | 262.4  | 262.4  |
| 37.5° | 2313.8 | 1495.3 | 433.2  | 270.7  | 239.5  | 224.9  | 220.8  | 229.1  | 243.7  | 256.2  | 258.2  |
| 40°   | 2390.9 | 1507.8 | 412.4  | 258.2  | 231.2  | 214.5  | 212.4  | 220.8  | 239.5  | 252.0  | 254.1  |
| 42.5° | 2486.7 | 1532.8 | 387.4  | 247.8  | 222.8  | 202.0  | 204.1  | 210.3  | 229.1  | 247.8  | 249.9  |
| 45°   | 2674.1 | 1612.0 | 362.4  | 237.4  | 212.4  | 195.8  | 191.6  | 195.8  | 216.6  | 237.4  | 241.6  |
| 47.5° | 3026.1 | 1791.1 | 335.3  | 227.0  | 202.0  | 191.6  | 174.9  | 179.1  | 197.9  | 220.8  | 222.8  |
| 50°   | 3700.8 | 2172.2 | 320.7  | 216.6  | 193.7  | 177.0  | 158.3  | 158.3  | 172.9  | 193.7  | 193.7  |
| 52.5° | 4752.6 | 2855.3 | 329.1  | 208.3  | 183.3  | 162.4  | 143.7  | 141.6  | 149.9  | 164.5  | 164.5  |
| 55°   | 5887.6 | 3605.0 | 360.3  | 199.9  | 170.8  | 154.1  | 133.3  | 122.9  | 129.1  | 137.5  | 137.5  |
| 57.5° | 6787.3 | 3982.0 | 445.7  | 195.8  | 156.2  | 147.9  | 120.8  | 106.2  | 112.5  | 120.8  | 120.8  |
| 60°   | 7183.0 | 3761.2 | 541.5  | 199.9  | 145.8  | 137.5  | 108.3  | 93.7   | 104.1  | 112.5  | 114.5  |
| 62.5° | 6862.3 | 3096.9 | 581.1  | 189.5  | 131.2  | 122.9  | 106.2  | 87.5   | 100.0  | 106.2  | 108.3  |
| 65°   | 6168.8 | 2353.4 | 454.0  | 164.5  | 120.8  | 106.2  | 95.8   | 83.3   | 93.7   | 100.0  | 100.0  |
| 66°   | 5839.7 | 2051.4 | 387.4  | 152.0  | 116.6  | 100.0  | 91.6   | 83.3   | 91.6   | 95.8   | 97.9   |
| 67.5° | 5329.5 | 1618.2 | 287.4  | 133.3  | 108.3  | 91.6   | 85.4   | 79.1   | 87.5   | 91.6   | 91.6   |
| 70°   | 4167.3 | 964.3  | 172.9  | 104.1  | 93.7   | 81.2   | 77.1   | 72.9   | 79.1   | 81.2   | 81.2   |
| 72.5° | 2609.5 | 458.2  | 110.4  | 77.1   | 79.1   | 77.1   | 64.6   | 68.7   | 70.8   | 72.9   | 72.9   |
| 75°   | 1264.2 | 181.2  | 75.0   | 56.2   | 64.6   | 72.9   | 52.1   | 60.4   | 62.5   | 66.6   | 64.6   |
| 77.5° | 352.0  | 87.5   | 47.9   | 41.7   | 56.2   | 56.2   | 39.6   | 47.9   | 56.2   | 70.8   | 64.6   |
| 80°   | 102.0  | 56.2   | 31.2   | 31.2   | 39.6   | 39.6   | 27.1   | 33.3   | 37.5   | 41.7   | 43.7   |
| 82.5° | 70.8   | 37.5   | 20.8   | 22.9   | 22.9   | 25.0   | 16.7   | 16.7   | 20.8   | 20.8   | 22.9   |
| 85°   | 56.2   | 16.7   | 12.5   | 14.6   | 10.4   | 12.5   | 8.3    | 8.3    | 10.4   | 8.3    | 8.3    |
| 87.5° | 22.9   | 8.3    | 8.3    | 8.3    | 6.2    | 6.2    | 4.2    | 2.1    | 2.1    | 2.1    | 2.1    |
| 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)