

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: P1211626

Luminaire Tested: **ARCH4-60-750-U-T3RE-HSS**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1211626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH4-60-750-U-T3RE-HSS  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III  
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7995 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - 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



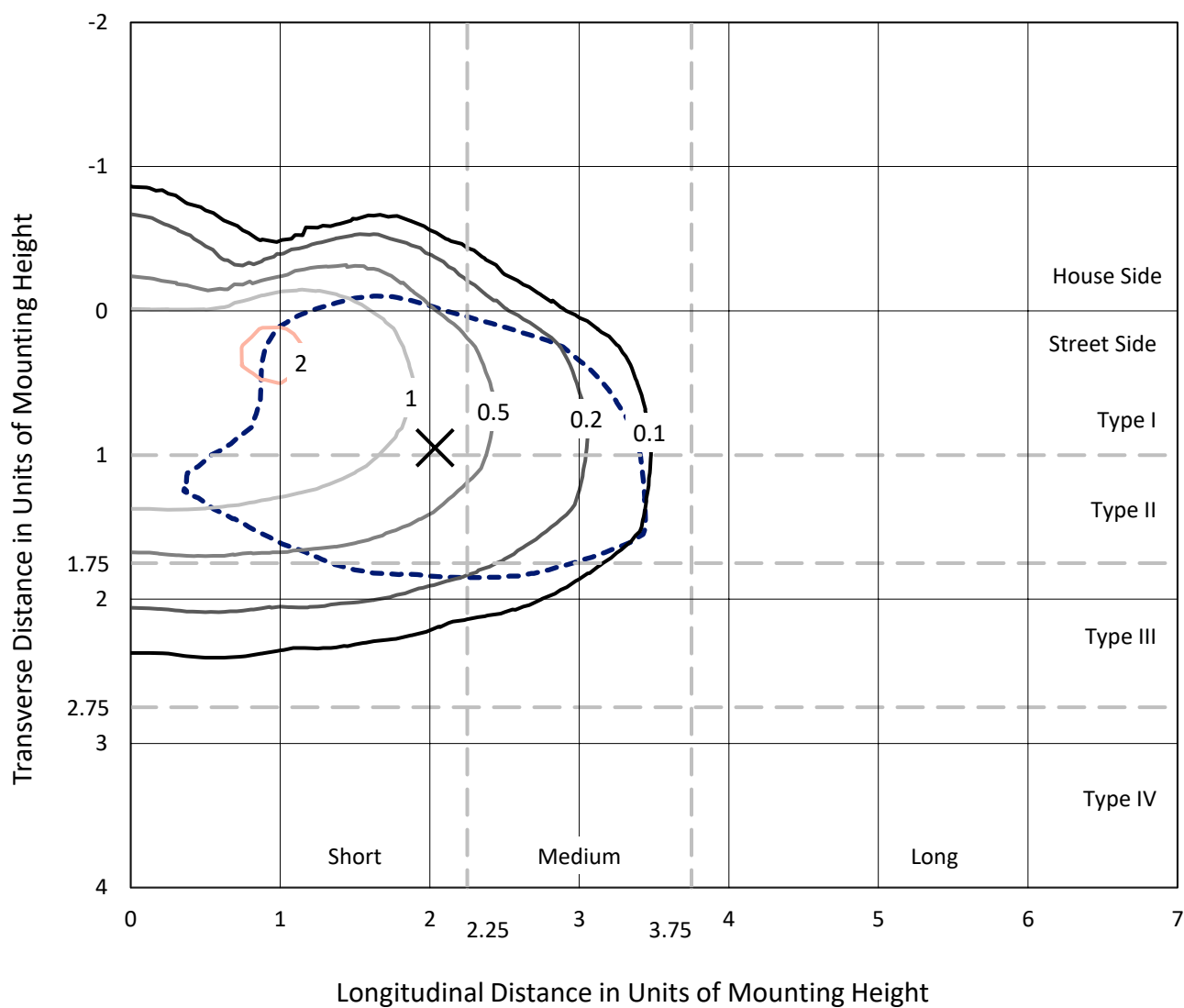
REPORT NUMBER: P1211626

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

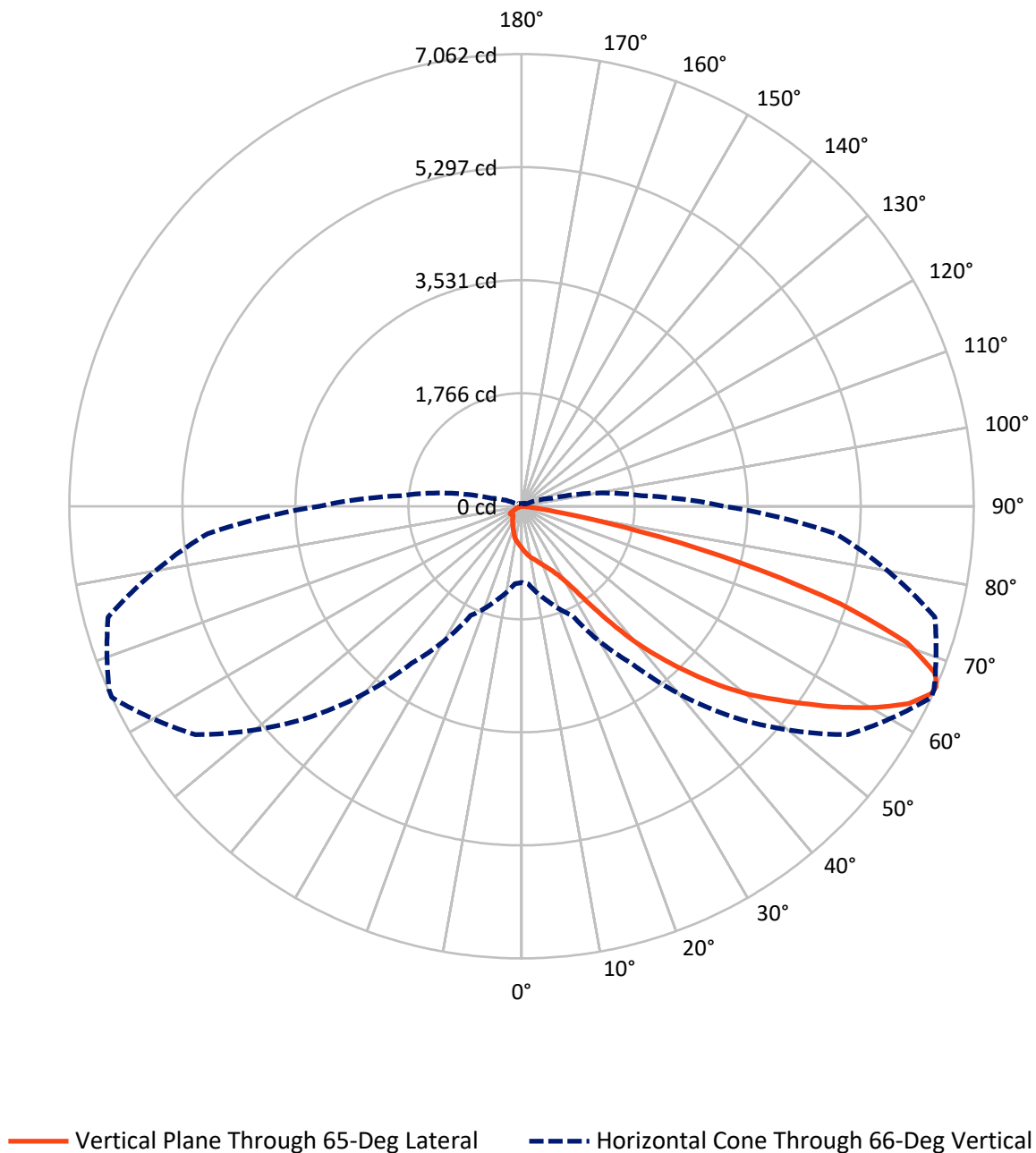


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc

Type III - 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    | 943.6    | 0.0    | 943.6  |
|                    | % Fixture | 11.8     | 0.0    | 11.8   |
| <b>Street Side</b> | Lumens    | 7051.4   | 0.0    | 7051.4 |
|                    | % Fixture | 88.2     | 0.0    | 88.2   |
| <b>Total</b>       | Lumens    | 7995.0   | 0.0    | 7995.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.8   | 0.8       |
| 10°-20°   | 182.8  | 2.3       |
| 20°-30°   | 334.6  | 4.2       |
| 30°-40°   | 679.9  | 8.5       |
| 40°-50°   | 1435.7 | 18.0      |
| 50°-60°   | 2207.1 | 27.6      |
| 60°-70°   | 2221.6 | 27.8      |
| 70°-80°   | 830.1  | 10.4      |
| 80°-90°   | 41.5   | 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°    | 7995.0 | 100.0     |
| 0°-180°   | 7995.0 | 100.0     |

**Coefficient of Utilization**



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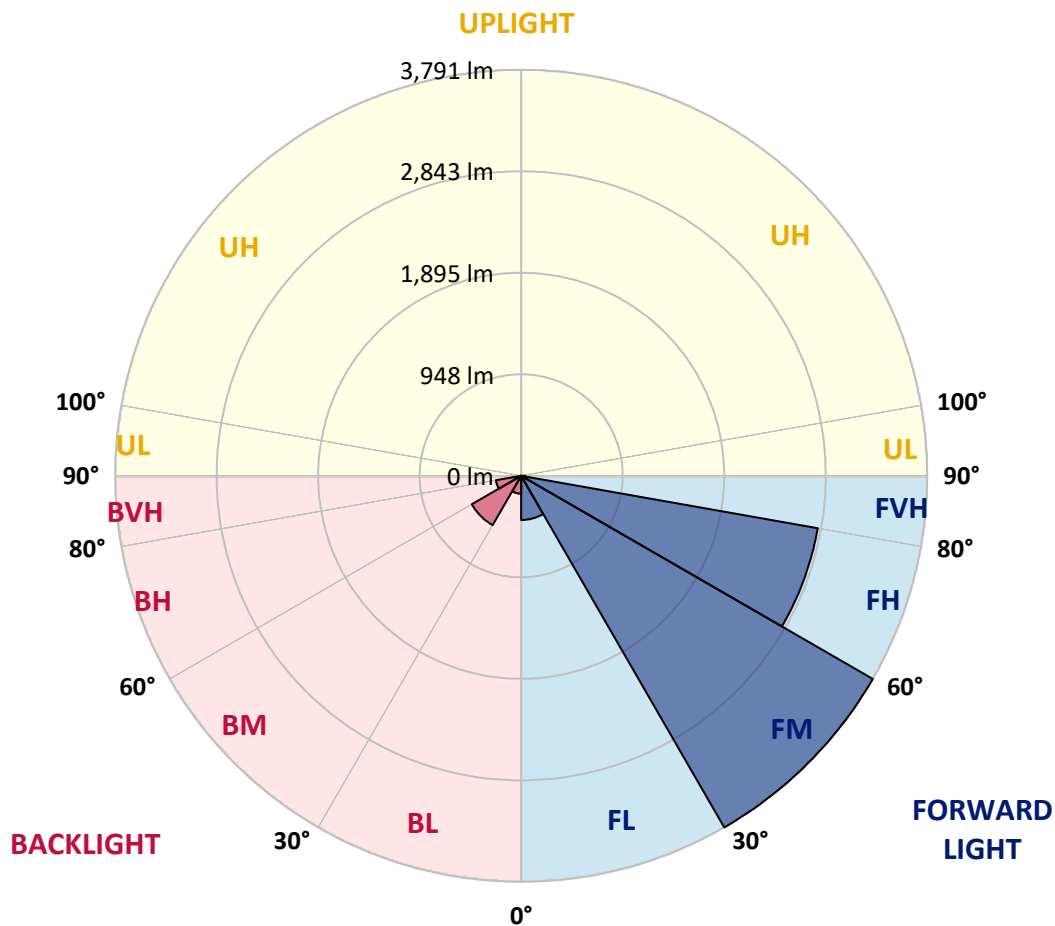
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 412.1  | 5.2       |                         |      |         |
| FM   | (30°-60°)   | 3790.7 | 47.4      |                         |      |         |
| FH   | (60°-80°)   | 2812.0 | 35.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 36.6   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 167.0  | 2.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 532.0  | 6.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 239.7  | 3.0       | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  | 651.4  |
| 2.5°  | 742.8  | 744.2  | 741.3  | 735.5  | 729.7  | 722.5  | 710.8  | 692.0  | 689.1  | 676.0  | 661.5  |
| 5°    | 793.5  | 796.4  | 792.1  | 790.6  | 787.7  | 777.6  | 761.6  | 734.1  | 731.2  | 705.0  | 671.7  |
| 7.5°  | 810.9  | 815.3  | 812.4  | 812.4  | 812.4  | 808.0  | 800.8  | 776.1  | 771.8  | 738.4  | 687.6  |
| 10°   | 824.0  | 826.9  | 825.5  | 831.3  | 835.6  | 832.7  | 828.4  | 813.8  | 809.5  | 776.1  | 709.4  |
| 12.5° | 844.3  | 845.8  | 847.2  | 850.1  | 857.4  | 860.3  | 858.8  | 845.8  | 842.9  | 819.6  | 737.0  |
| 15°   | 863.2  | 863.2  | 864.6  | 877.7  | 887.8  | 893.6  | 895.1  | 884.9  | 882.0  | 863.2  | 771.8  |
| 17.5° | 880.6  | 882.0  | 886.4  | 900.9  | 918.3  | 929.9  | 937.2  | 932.8  | 928.5  | 913.9  | 812.4  |
| 20°   | 906.7  | 909.6  | 913.9  | 934.3  | 951.7  | 970.5  | 985.0  | 983.6  | 982.1  | 972.0  | 860.3  |
| 22.5° | 951.7  | 954.6  | 961.8  | 980.7  | 998.1  | 1021.3 | 1046.0 | 1044.5 | 1040.2 | 1032.9 | 916.8  |
| 25°   | 1019.8 | 1019.8 | 1024.2 | 1040.2 | 1061.9 | 1089.5 | 1112.7 | 1117.0 | 1112.7 | 1108.3 | 987.9  |
| 27.5° | 1105.4 | 1106.9 | 1106.9 | 1124.3 | 1144.6 | 1179.4 | 1208.4 | 1212.8 | 1212.8 | 1208.4 | 1083.7 |
| 30°   | 1224.4 | 1220.0 | 1217.1 | 1231.7 | 1253.4 | 1304.2 | 1355.0 | 1363.7 | 1359.3 | 1366.6 | 1218.6 |
| 32.5° | 1428.9 | 1421.7 | 1397.0 | 1399.9 | 1413.0 | 1482.6 | 1568.2 | 1598.7 | 1597.2 | 1610.3 | 1436.2 |
| 35°   | 1711.8 | 1697.3 | 1661.1 | 1630.6 | 1629.1 | 1704.6 | 1835.1 | 1949.8 | 1948.3 | 1993.3 | 1767.0 |
| 37.5° | 2031.0 | 2049.8 | 1981.7 | 1929.4 | 1913.5 | 1973.0 | 2141.2 | 2389.3 | 2402.4 | 2480.7 | 2200.7 |
| 40°   | 2457.5 | 2469.1 | 2382.1 | 2308.1 | 2232.6 | 2254.4 | 2476.4 | 2862.2 | 2885.5 | 2972.5 | 2634.5 |
| 42.5° | 2828.9 | 2840.5 | 2789.7 | 2699.8 | 2604.0 | 2563.4 | 2814.4 | 3291.7 | 3310.5 | 3430.9 | 3081.3 |
| 45°   | 3081.3 | 3090.0 | 3107.4 | 3116.1 | 3007.3 | 2923.2 | 3227.8 | 3732.7 | 3755.9 | 3895.1 | 3518.0 |
| 47.5° | 3278.6 | 3285.9 | 3320.7 | 3407.7 | 3386.0 | 3319.2 | 3648.5 | 4191.1 | 4196.9 | 4352.1 | 3943.0 |
| 50°   | 3370.0 | 3387.4 | 3473.0 | 3606.5 | 3702.2 | 3721.1 | 4105.5 | 4624.9 | 4640.8 | 4788.8 | 4344.9 |
| 52.5° | 3268.4 | 3274.2 | 3490.4 | 3741.4 | 3934.3 | 4125.8 | 4563.9 | 5026.7 | 5073.1 | 5183.4 | 4706.1 |
| 55°   | 2926.1 | 2968.1 | 3296.0 | 3737.0 | 4117.1 | 4510.2 | 5054.3 | 5460.5 | 5502.5 | 5572.2 | 5023.8 |
| 57.5° | 2528.6 | 2575.0 | 2973.9 | 3549.9 | 4195.4 | 4865.7 | 5508.3 | 5921.8 | 5950.8 | 5969.7 | 5315.4 |
| 60°   | 2184.8 | 2228.3 | 2638.8 | 3191.6 | 4117.1 | 5116.6 | 5930.5 | 6380.2 | 6404.9 | 6354.1 | 5461.9 |
| 62.5° | 1762.6 | 1806.1 | 2219.6 | 2717.2 | 3809.6 | 5167.4 | 6243.8 | 6787.9 | 6798.0 | 6660.2 | 5372.0 |
| 65°   | 1328.8 | 1357.9 | 1703.1 | 2129.6 | 3271.3 | 4897.6 | 6314.9 | 7041.7 | 7031.6 | 6748.7 | 5102.1 |
| 66°   | 1191.0 | 1215.7 | 1520.3 | 1883.0 | 2991.4 | 4651.0 | 6219.2 | 7062.0 | 7051.9 | 6683.4 | 4925.2 |
| 67.5° | 1027.1 | 1034.4 | 1285.3 | 1540.7 | 2502.5 | 4127.3 | 5927.6 | 6969.2 | 6977.9 | 6503.5 | 4601.6 |
| 70°   | 802.2  | 800.8  | 945.9  | 1072.1 | 1708.9 | 2936.2 | 4944.0 | 6384.6 | 6426.6 | 5824.6 | 3924.2 |
| 72.5° | 513.6  | 496.1  | 580.3  | 655.7  | 995.2  | 1704.6 | 3605.0 | 5203.7 | 5274.8 | 4575.5 | 2923.2 |
| 75°   | 306.1  | 288.7  | 309.0  | 327.9  | 477.3  | 819.6  | 2119.5 | 3541.2 | 3609.4 | 2933.3 | 1739.4 |
| 77.5° | 229.2  | 222.0  | 223.4  | 207.5  | 211.8  | 307.5  | 967.6  | 1871.4 | 1920.7 | 1201.2 | 660.1  |
| 80°   | 175.5  | 156.7  | 146.5  | 153.8  | 139.3  | 121.9  | 359.8  | 644.1  | 674.6  | 284.3  | 137.8  |
| 82.5° | 117.5  | 101.5  | 94.3   | 103.0  | 88.5   | 68.2   | 87.0   | 124.8  | 121.9  | 76.9   | 53.7   |
| 85°   | 60.9   | 52.2   | 52.2   | 52.2   | 45.0   | 33.4   | 37.7   | 50.8   | 50.8   | 40.6   | 31.9   |
| 87.5° | 17.4   | 16.0   | 18.9   | 17.4   | 13.1   | 13.1   | 14.5   | 17.4   | 17.4   | 16.0   | 14.5   |
| 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°    | 651.4  | 651.4  | 651.4  | 651.4 | 651.4 | 651.4 | 651.4 | 651.4 | 651.4 | 651.4 | 651.4 |
| 2.5°  | 649.9  | 644.1  | 628.2  | 616.6 | 604.9 | 594.8 | 583.2 | 580.3 | 574.5 | 575.9 | 573.0 |
| 5°    | 654.3  | 638.3  | 610.7  | 584.6 | 564.3 | 546.9 | 525.2 | 516.5 | 504.8 | 500.5 | 497.6 |
| 7.5°  | 660.1  | 636.9  | 596.2  | 560.0 | 525.2 | 490.3 | 455.5 | 435.2 | 422.2 | 416.4 | 412.0 |
| 10°   | 673.1  | 642.7  | 589.0  | 532.4 | 472.9 | 423.6 | 388.8 | 374.3 | 365.6 | 364.1 | 362.7 |
| 12.5° | 690.5  | 651.4  | 581.7  | 497.6 | 419.3 | 372.8 | 351.1 | 346.7 | 345.3 | 345.3 | 343.8 |
| 15°   | 716.6  | 665.9  | 570.1  | 457.0 | 377.2 | 345.3 | 335.1 | 327.9 | 325.0 | 325.0 | 325.0 |
| 17.5° | 742.8  | 683.3  | 552.7  | 414.9 | 348.2 | 327.9 | 317.7 | 313.4 | 310.5 | 311.9 | 310.5 |
| 20°   | 776.1  | 703.6  | 529.5  | 378.6 | 329.3 | 313.4 | 303.2 | 298.8 | 297.4 | 297.4 | 297.4 |
| 22.5° | 813.8  | 726.8  | 500.5  | 351.1 | 313.4 | 298.8 | 288.7 | 284.3 | 281.4 | 282.9 | 282.9 |
| 25°   | 864.6  | 755.8  | 470.0  | 323.5 | 297.4 | 284.3 | 272.7 | 266.9 | 266.9 | 268.4 | 269.8 |
| 27.5° | 929.9  | 790.6  | 439.6  | 306.1 | 282.9 | 269.8 | 256.8 | 251.0 | 252.4 | 255.3 | 255.3 |
| 30°   | 1025.7 | 838.5  | 409.1  | 287.2 | 266.9 | 252.4 | 240.8 | 235.0 | 237.9 | 243.7 | 243.7 |
| 32.5° | 1162.0 | 916.8  | 383.0  | 265.5 | 243.7 | 227.8 | 216.2 | 211.8 | 219.1 | 230.7 | 230.7 |
| 35°   | 1405.7 | 1060.5 | 367.0  | 243.7 | 219.1 | 200.2 | 185.7 | 181.3 | 191.5 | 206.0 | 206.0 |
| 37.5° | 1732.1 | 1291.1 | 372.8  | 224.9 | 198.7 | 177.0 | 161.0 | 155.2 | 162.5 | 175.5 | 179.9 |
| 40°   | 2096.3 | 1569.7 | 423.6  | 208.9 | 179.9 | 158.1 | 142.2 | 136.4 | 140.7 | 146.5 | 148.0 |
| 42.5° | 2460.4 | 1865.6 | 519.4  | 197.3 | 165.4 | 142.2 | 127.7 | 123.3 | 126.2 | 127.7 | 129.1 |
| 45°   | 2823.1 | 2158.7 | 639.8  | 190.0 | 152.3 | 129.1 | 114.6 | 114.6 | 116.1 | 116.1 | 116.1 |
| 47.5° | 3166.9 | 2444.4 | 766.0  | 188.6 | 140.7 | 116.1 | 104.5 | 105.9 | 105.9 | 107.4 | 107.4 |
| 50°   | 3491.9 | 2699.8 | 893.6  | 192.9 | 130.6 | 104.5 | 95.7  | 95.7  | 95.7  | 97.2  | 95.7  |
| 52.5° | 3763.1 | 2923.2 | 1027.1 | 200.2 | 120.4 | 95.7  | 87.0  | 87.0  | 87.0  | 88.5  | 87.0  |
| 55°   | 4019.9 | 3126.3 | 1163.5 | 210.4 | 111.7 | 88.5  | 79.8  | 76.9  | 76.9  | 78.3  | 76.9  |
| 57.5° | 4228.8 | 3261.2 | 1292.6 | 211.8 | 104.5 | 81.2  | 74.0  | 69.6  | 69.6  | 69.6  | 69.6  |
| 60°   | 4237.5 | 3182.9 | 1330.3 | 185.7 | 95.7  | 74.0  | 66.7  | 60.9  | 62.4  | 62.4  | 62.4  |
| 62.5° | 3960.4 | 2770.9 | 1069.2 | 139.3 | 85.6  | 66.7  | 60.9  | 55.1  | 55.1  | 55.1  | 55.1  |
| 65°   | 3416.4 | 2155.8 | 626.7  | 110.3 | 74.0  | 59.5  | 53.7  | 49.3  | 49.3  | 49.3  | 47.9  |
| 66°   | 3161.1 | 1890.3 | 480.2  | 100.1 | 69.6  | 58.0  | 52.2  | 47.9  | 46.4  | 45.0  | 45.0  |
| 67.5° | 2744.7 | 1494.2 | 300.3  | 88.5  | 63.8  | 53.7  | 47.9  | 43.5  | 42.1  | 40.6  | 40.6  |
| 70°   | 2067.3 | 948.8  | 146.5  | 68.2  | 55.1  | 46.4  | 42.1  | 37.7  | 36.3  | 34.8  | 33.4  |
| 72.5° | 1450.7 | 555.6  | 76.9   | 52.2  | 45.0  | 40.6  | 36.3  | 31.9  | 30.5  | 29.0  | 29.0  |
| 75°   | 819.6  | 268.4  | 50.8   | 37.7  | 36.3  | 33.4  | 30.5  | 26.1  | 24.7  | 24.7  | 24.7  |
| 77.5° | 310.5  | 92.8   | 34.8   | 27.6  | 29.0  | 26.1  | 21.8  | 21.8  | 20.3  | 21.8  | 20.3  |
| 80°   | 81.2   | 40.6   | 21.8   | 20.3  | 21.8  | 18.9  | 16.0  | 17.4  | 17.4  | 17.4  | 17.4  |
| 82.5° | 43.5   | 23.2   | 13.1   | 14.5  | 13.1  | 13.1  | 10.2  | 11.6  | 13.1  | 11.6  | 13.1  |
| 85°   | 30.5   | 11.6   | 7.3    | 7.3   | 5.8   | 5.8   | 4.4   | 5.8   | 7.3   | 5.8   | 5.8   |
| 87.5° | 16.0   | 4.4    | 4.4    | 4.4   | 4.4   | 2.9   | 1.5   | 0.0   | 1.5   | 1.5   | 1.5   |
| 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)