

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: P598907

Luminaire Tested: **IFLD-S-SA2B-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598907  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2B-730-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (32) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

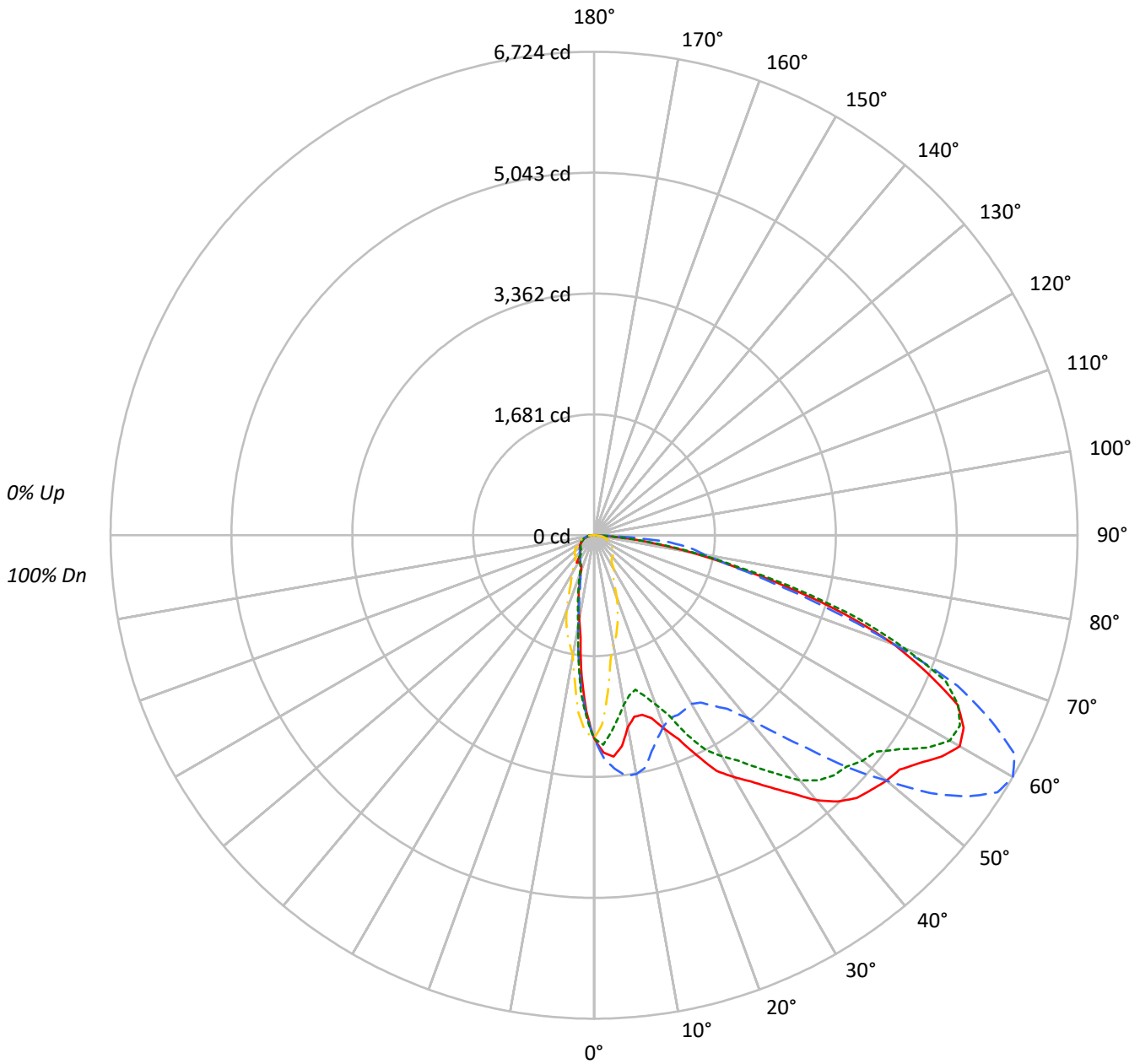
Lumens per Lamp: N/A  
 Luminaire Lumens: 8843.7 lumens  
 Efficiency: N/A  
 Efficacy: 107.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 82.4  
 Input Voltage (V): 120  
 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: 25 FT

| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | GONIO 1 IN0055        | 4/22/2021        | 10/22/2021           |
| Power Meter                    | XITRON 2801 IN0197    | 12/1/2020        | 12/1/2021            |
| AC Power Source                | CHROMA 61505 IN0196   | 12/1/2020        | 12/1/2021            |
| DC Power Supply                | AGILENT E3634A IN0198 | 11/30/2020       | 11/30/2021           |
| Room Thermometer               | ONSET IN0143          | 12/1/2020        | 12/1/2021            |

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ···· 90°-270°    - · - · 135°-315°

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 106 | 100 | 94  | 89  | 103 | 97  | 92  | 88  | 93  | 89  | 85  | 89  | 85  | 82  | 85  | 82  | 80  | 80  | 80  | 80  | 77  |
| 2   | 94  | 83  | 75  | 68  | 91  | 81  | 74  | 67  | 78  | 71  | 65  | 74  | 69  | 64  | 71  | 66  | 62  | 62  | 62  | 62  | 60  |
| 3   | 84  | 71  | 61  | 53  | 81  | 69  | 60  | 53  | 66  | 58  | 52  | 63  | 56  | 51  | 60  | 55  | 50  | 50  | 50  | 50  | 47  |
| 4   | 75  | 61  | 51  | 43  | 73  | 60  | 50  | 42  | 57  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 40  | 40  | 40  | 40  | 38  |
| 5   | 68  | 53  | 43  | 35  | 66  | 52  | 42  | 35  | 50  | 41  | 34  | 48  | 40  | 34  | 46  | 39  | 34  | 34  | 34  | 34  | 31  |
| 6   | 63  | 47  | 37  | 30  | 60  | 46  | 37  | 29  | 44  | 36  | 29  | 42  | 35  | 29  | 41  | 34  | 29  | 29  | 29  | 29  | 26  |
| 7   | 58  | 42  | 32  | 25  | 56  | 41  | 32  | 25  | 40  | 31  | 25  | 38  | 31  | 25  | 37  | 30  | 25  | 25  | 25  | 25  | 22  |
| 8   | 53  | 38  | 29  | 22  | 52  | 37  | 28  | 22  | 36  | 28  | 22  | 35  | 27  | 22  | 33  | 27  | 22  | 22  | 22  | 22  | 19  |
| 9   | 50  | 35  | 26  | 20  | 48  | 34  | 26  | 20  | 33  | 25  | 19  | 32  | 25  | 19  | 31  | 24  | 19  | 19  | 19  | 19  | 17  |
| 10  | 46  | 32  | 23  | 18  | 45  | 31  | 23  | 18  | 30  | 23  | 17  | 29  | 22  | 17  | 28  | 22  | 17  | 17  | 17  | 17  | 15  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°    | 180°  | 270°  |
|-----|--------|--------|-------|-------|
| 0°  | 60808  | 60808  | 60808 | 60808 |
| 5°  | 66805  | 59346  | 42559 | 46459 |
| 10° | 59173  | 52228  | 25814 | 27701 |
| 15° | 57619  | 49576  | 18273 | 18973 |
| 20° | 65700  | 57340  | 11954 | 13212 |
| 25° | 80049  | 72685  | 10437 | 10810 |
| 30° | 96450  | 88160  | 10826 | 10045 |
| 35° | 112484 | 103514 | 8970  | 8454  |
| 40° | 135165 | 125023 | 8380  | 7939  |
| 45° | 157300 | 143685 | 8479  | 7882  |
| 50° | 177772 | 163317 | 8671  | 8145  |
| 55° | 207319 | 194659 | 8982  | 8539  |
| 60° | 252862 | 245938 | 8951  | 8951  |
| 65° | 284174 | 284572 | 9195  | 9592  |
| 70° | 279279 | 289161 | 9630  | 9876  |
| 75° | 230376 | 245714 | 10114 | 10771 |
| 80° | 166336 | 174605 | 11182 | 11678 |
| 85° | 92058  | 98851  | 12597 | 15512 |

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 219.4  | 2.5       |
| 10°-20°   | 463.3  | 5.2       |
| 20°-30°   | 677.9  | 7.7       |
| 30°-40°   | 955.1  | 10.8      |
| 40°-50°   | 1312.6 | 14.8      |
| 50°-60°   | 1788.9 | 20.2      |
| 60°-70°   | 1957.8 | 22.1      |
| 70°-80°   | 1130.3 | 12.8      |
| 80°-90°   | 338.5  | 3.8       |
| 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°-30°    | 1360.6 | 15.4      |
| 0°-40°    | 2315.7 | 26.2      |
| 0°-60°    | 5417.1 | 61.3      |
| 0°-90°    | 8843.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8843.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2825 | 2825 | 2825 | 2825 | 2825 |      |
| 5°  | 3091 | 2746 | 1969 | 2150 | 3091 | 281  |
| 15° | 2585 | 2224 | 820  | 851  | 2585 | 755  |
| 25° | 3370 | 3060 | 439  | 455  | 3370 | 1578 |
| 35° | 4280 | 3939 | 341  | 322  | 4280 | 2714 |
| 45° | 5167 | 4720 | 278  | 259  | 5167 | 3971 |
| 55° | 5524 | 5186 | 239  | 228  | 5524 | 4984 |
| 65° | 5579 | 5586 | 180  | 188  | 5579 | 5339 |
| 75° | 2770 | 2954 | 122  | 130  | 2770 | 2975 |
| 85° | 373  | 400  | 51   | 63   | 373  | 517  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 |
| 2.5°  | 3024.7 | 3013.0 | 3024.7 | 3067.9 | 3079.6 | 3099.3 | 3099.3 | 3071.8 | 3020.8 | 2997.3 | 2958.0 |
| 5°    | 3091.4 | 3071.8 | 3169.9 | 3260.1 | 3330.7 | 3322.9 | 3256.2 | 3201.3 | 3099.3 | 2946.3 | 2801.1 |
| 7.5°  | 2958.0 | 2977.6 | 3048.3 | 3283.6 | 3448.4 | 3479.8 | 3373.9 | 3264.0 | 3044.3 | 2832.5 | 2636.3 |
| 10°   | 2706.9 | 2734.4 | 2887.4 | 3130.6 | 3389.6 | 3440.6 | 3373.9 | 3240.5 | 2977.6 | 2714.8 | 2487.3 |
| 12.5° | 2585.3 | 2648.1 | 2738.3 | 3032.6 | 3217.0 | 3338.6 | 3307.2 | 3220.9 | 2926.6 | 2616.7 | 2397.0 |
| 15°   | 2585.3 | 2601.0 | 2734.4 | 2981.6 | 3087.5 | 3091.4 | 3103.2 | 3118.9 | 2942.3 | 2659.9 | 2365.6 |
| 17.5° | 2667.7 | 2710.9 | 2824.6 | 2977.6 | 2997.3 | 2950.2 | 2950.2 | 3016.9 | 2973.7 | 2781.5 | 2479.4 |
| 20°   | 2867.8 | 2852.1 | 3001.2 | 3064.0 | 2958.0 | 2840.3 | 2828.6 | 2942.3 | 3009.0 | 2911.0 | 2687.3 |
| 22.5° | 3067.9 | 3138.5 | 3260.1 | 3118.9 | 2922.7 | 2765.8 | 2750.1 | 2891.3 | 3115.0 | 3134.6 | 2926.6 |
| 25°   | 3370.0 | 3440.6 | 3503.3 | 3330.7 | 2918.8 | 2746.2 | 2757.9 | 2867.8 | 3244.4 | 3452.3 | 3326.8 |
| 27.5° | 3695.6 | 3738.7 | 3829.0 | 3562.2 | 3013.0 | 2722.6 | 2734.4 | 2899.2 | 3366.0 | 3660.3 | 3640.7 |
| 30°   | 3880.0 | 3927.0 | 3907.4 | 3605.3 | 3075.7 | 2738.3 | 2706.9 | 2942.3 | 3299.3 | 3660.3 | 3844.7 |
| 32.5° | 4060.4 | 4033.0 | 4021.2 | 3676.0 | 3154.2 | 2836.4 | 2757.9 | 3032.6 | 3338.6 | 3719.1 | 4107.5 |
| 35°   | 4280.1 | 4240.9 | 4209.5 | 3813.3 | 3283.6 | 2930.6 | 2895.3 | 3150.3 | 3424.9 | 3840.7 | 4319.3 |
| 37.5° | 4523.4 | 4523.4 | 4370.3 | 3915.3 | 3436.6 | 3083.6 | 3044.3 | 3319.0 | 3562.2 | 3915.3 | 4609.7 |
| 40°   | 4809.7 | 4821.5 | 4550.8 | 4052.6 | 3609.3 | 3326.8 | 3315.0 | 3538.6 | 3695.6 | 4025.1 | 4888.2 |
| 42.5° | 5021.6 | 5029.4 | 4707.7 | 4103.6 | 3809.3 | 3664.2 | 3715.2 | 3891.7 | 3848.6 | 4123.2 | 4907.8 |
| 45°   | 5166.7 | 5127.5 | 4817.6 | 4248.7 | 4029.0 | 4170.3 | 4186.0 | 4237.0 | 4048.7 | 4182.0 | 4986.3 |
| 47.5° | 5237.4 | 5229.5 | 4864.7 | 4417.4 | 4492.0 | 4684.2 | 4774.4 | 4703.8 | 4233.0 | 4119.3 | 4986.3 |
| 50°   | 5308.0 | 5241.3 | 4907.8 | 4648.9 | 4943.1 | 5331.5 | 5311.9 | 5182.4 | 4488.0 | 4197.7 | 4911.7 |
| 52.5° | 5355.1 | 5296.2 | 4994.1 | 4856.8 | 5374.7 | 5814.1 | 5892.5 | 5653.2 | 4786.2 | 4342.9 | 4947.0 |
| 55°   | 5523.7 | 5476.7 | 5253.0 | 5139.3 | 5872.9 | 6324.1 | 6335.8 | 6002.4 | 5100.0 | 4582.2 | 5178.5 |
| 57.5° | 5727.7 | 5755.2 | 5610.1 | 5539.4 | 6253.4 | 6696.8 | 6653.6 | 6261.3 | 5366.8 | 4872.5 | 5445.3 |
| 60°   | 5872.9 | 5916.1 | 5880.7 | 5888.6 | 6441.8 | 6822.3 | 6724.2 | 6422.1 | 5563.0 | 5092.2 | 5770.9 |
| 62.5° | 5794.4 | 5880.7 | 6025.9 | 5994.5 | 6449.6 | 6732.1 | 6594.8 | 6210.3 | 5586.5 | 5378.6 | 6018.1 |
| 65°   | 5578.7 | 5586.5 | 5869.0 | 6041.6 | 6096.5 | 6265.2 | 6084.8 | 5767.0 | 5343.3 | 5555.1 | 5982.7 |
| 67.5° | 5025.5 | 5088.3 | 5343.3 | 5680.7 | 5449.2 | 5488.4 | 5472.7 | 5013.7 | 4974.5 | 5433.5 | 5712.1 |
| 70°   | 4437.0 | 4480.2 | 4758.7 | 5155.0 | 4601.8 | 4417.4 | 4452.7 | 4111.4 | 4272.3 | 5056.9 | 5166.7 |
| 72.5° | 3668.1 | 3695.6 | 4013.3 | 4362.5 | 3691.7 | 3362.1 | 3444.5 | 3166.0 | 3393.5 | 4425.3 | 4358.6 |
| 75°   | 2769.7 | 2820.7 | 3067.9 | 3479.8 | 2718.7 | 2506.9 | 2589.3 | 2475.5 | 2687.3 | 3644.6 | 3381.7 |
| 77.5° | 1969.4 | 1930.2 | 2236.2 | 2722.6 | 2043.9 | 1918.4 | 1926.2 | 1945.9 | 2173.4 | 3071.8 | 2428.4 |
| 80°   | 1341.7 | 1353.5 | 1628.1 | 1996.9 | 1604.6 | 1584.9 | 1565.3 | 1722.2 | 1824.2 | 2432.3 | 1765.4 |
| 82.5° | 796.4  | 796.4  | 1098.5 | 1420.2 | 1267.2 | 1428.0 | 1337.8 | 1479.0 | 1428.0 | 1788.9 | 1157.3 |
| 85°   | 372.7  | 372.7  | 564.9  | 1023.9 | 980.8  | 1176.9 | 1000.4 | 1118.1 | 1055.3 | 1247.6 | 521.8  |
| 87.5° | 62.8   | 54.9   | 113.8  | 502.2  | 404.1  | 459.0  | 180.5  | 596.3  | 663.0  | 870.9  | 129.5  |
| 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°    | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 |
| 2.5°  | 2914.9 | 2887.4 | 2832.5 | 2761.9 | 2703.0 | 2628.5 | 2604.9 | 2553.9 | 2483.3 | 2475.5 | 2444.1 |
| 5°    | 2746.2 | 2652.0 | 2534.3 | 2389.2 | 2291.1 | 2189.1 | 2102.8 | 2051.8 | 1992.9 | 1985.1 | 1969.4 |
| 7.5°  | 2561.8 | 2444.1 | 2247.9 | 2075.3 | 1906.6 | 1745.8 | 1667.3 | 1569.2 | 1502.6 | 1451.6 | 1428.0 |
| 10°   | 2389.2 | 2279.3 | 2036.1 | 1800.7 | 1651.6 | 1545.7 | 1451.6 | 1349.6 | 1267.2 | 1204.4 | 1180.9 |
| 12.5° | 2275.4 | 2145.9 | 1883.1 | 1659.5 | 1549.6 | 1428.0 | 1322.1 | 1212.2 | 1106.3 | 1023.9 | 980.8  |
| 15°   | 2224.4 | 2102.8 | 1836.0 | 1588.9 | 1428.0 | 1259.3 | 1137.7 | 1027.9 | 898.4  | 839.5  | 819.9  |
| 17.5° | 2346.0 | 2165.6 | 1820.3 | 1506.5 | 1278.9 | 1086.7 | 937.6  | 819.9  | 725.8  | 666.9  | 643.4  |
| 20°   | 2502.9 | 2279.3 | 1847.8 | 1408.4 | 1137.7 | 921.9  | 757.2  | 631.6  | 568.9  | 525.7  | 521.8  |
| 22.5° | 2703.0 | 2448.0 | 1890.9 | 1337.8 | 980.8  | 741.5  | 592.4  | 517.9  | 474.7  | 470.8  | 462.9  |
| 25°   | 3060.0 | 2754.0 | 1961.6 | 1243.6 | 855.2  | 612.0  | 506.1  | 462.9  | 443.3  | 431.5  | 439.4  |
| 27.5° | 3366.0 | 2954.1 | 2012.6 | 1184.8 | 804.2  | 576.7  | 490.4  | 443.3  | 423.7  | 419.8  | 423.7  |
| 30°   | 3546.5 | 3138.5 | 1996.9 | 1074.9 | 702.2  | 549.2  | 521.8  | 506.1  | 466.9  | 435.5  | 435.5  |
| 32.5° | 3711.3 | 3256.2 | 1992.9 | 976.9  | 600.2  | 459.0  | 435.5  | 423.7  | 447.2  | 462.9  | 451.2  |
| 35°   | 3938.8 | 3440.6 | 1981.2 | 921.9  | 557.1  | 423.7  | 384.5  | 353.1  | 337.4  | 329.5  | 341.3  |
| 37.5° | 4182.0 | 3566.1 | 1949.8 | 914.1  | 533.5  | 404.1  | 372.7  | 341.3  | 325.6  | 317.8  | 313.8  |
| 40°   | 4448.8 | 3699.5 | 1914.5 | 874.9  | 521.8  | 392.3  | 360.9  | 333.5  | 313.8  | 302.1  | 298.2  |
| 42.5° | 4621.4 | 3805.4 | 1879.2 | 855.2  | 498.2  | 384.5  | 349.2  | 325.6  | 306.0  | 290.3  | 290.3  |
| 45°   | 4719.5 | 3931.0 | 1843.9 | 835.6  | 470.8  | 388.4  | 349.2  | 317.8  | 294.2  | 286.4  | 278.5  |
| 47.5° | 4762.7 | 4025.1 | 1832.1 | 804.2  | 447.2  | 372.7  | 341.3  | 309.9  | 286.4  | 270.7  | 266.8  |
| 50°   | 4876.4 | 4225.2 | 1875.2 | 780.7  | 419.8  | 357.0  | 360.9  | 306.0  | 282.5  | 262.8  | 258.9  |
| 52.5° | 4943.1 | 4386.0 | 1969.4 | 745.4  | 400.2  | 337.4  | 353.1  | 298.2  | 270.7  | 251.1  | 251.1  |
| 55°   | 5186.4 | 4652.8 | 2071.4 | 717.9  | 376.6  | 309.9  | 325.6  | 282.5  | 251.1  | 239.3  | 239.3  |
| 57.5° | 5496.3 | 4935.3 | 2157.7 | 706.2  | 360.9  | 290.3  | 290.3  | 274.6  | 239.3  | 223.6  | 219.7  |
| 60°   | 5712.1 | 5166.7 | 2208.7 | 698.3  | 345.2  | 270.7  | 258.9  | 274.6  | 227.5  | 211.8  | 207.9  |
| 62.5° | 5735.6 | 5033.4 | 2157.7 | 694.4  | 341.3  | 251.1  | 235.4  | 262.8  | 215.8  | 200.1  | 192.2  |
| 65°   | 5586.5 | 4762.7 | 2016.5 | 678.7  | 337.4  | 231.5  | 219.7  | 227.5  | 200.1  | 188.3  | 180.5  |
| 67.5° | 5288.4 | 4323.3 | 1812.5 | 670.9  | 333.5  | 215.8  | 200.1  | 196.2  | 184.4  | 172.6  | 164.8  |
| 70°   | 4594.0 | 3750.5 | 1573.2 | 635.5  | 325.6  | 204.0  | 180.5  | 176.5  | 164.8  | 156.9  | 153.0  |
| 72.5° | 3856.4 | 3067.9 | 1298.6 | 588.5  | 309.9  | 184.4  | 164.8  | 156.9  | 153.0  | 141.2  | 137.3  |
| 75°   | 2954.1 | 2361.7 | 1039.6 | 521.8  | 270.7  | 164.8  | 145.2  | 137.3  | 133.4  | 125.5  | 121.6  |
| 77.5° | 2075.3 | 1757.6 | 768.9  | 423.7  | 227.5  | 149.1  | 129.5  | 121.6  | 117.7  | 105.9  | 105.9  |
| 80°   | 1408.4 | 1231.9 | 521.8  | 294.2  | 176.5  | 121.6  | 113.8  | 105.9  | 98.1   | 90.2   | 90.2   |
| 82.5° | 874.9  | 863.1  | 376.6  | 192.2  | 129.5  | 98.1   | 90.2   | 90.2   | 78.5   | 70.6   | 70.6   |
| 85°   | 400.2  | 529.6  | 262.8  | 133.4  | 98.1   | 74.5   | 74.5   | 70.6   | 62.8   | 51.0   | 51.0   |
| 87.5° | 125.5  | 176.5  | 137.3  | 58.8   | 54.9   | 43.2   | 43.2   | 39.2   | 39.2   | 31.4   | 31.4   |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 |
| 2.5°  | 2475.5 | 2471.6 | 2471.6 | 2455.9 | 2495.1 | 2495.1 | 2518.6 | 2499.0 | 2510.8 | 2514.7 | 2546.1 |
| 5°    | 1965.5 | 1996.9 | 2020.4 | 2067.5 | 2094.9 | 2106.7 | 2106.7 | 2138.1 | 2126.3 | 2149.9 | 2196.9 |
| 7.5°  | 1439.8 | 1479.0 | 1549.6 | 1608.5 | 1655.6 | 1671.2 | 1667.3 | 1675.2 | 1686.9 | 1659.5 | 1667.3 |
| 10°   | 1165.2 | 1137.7 | 1161.2 | 1216.2 | 1259.3 | 1310.3 | 1271.1 | 1267.2 | 1278.9 | 1267.2 | 1290.7 |
| 12.5° | 972.9  | 941.5  | 921.9  | 921.9  | 953.3  | 976.9  | 965.1  | 984.7  | 1027.9 | 1039.6 | 1067.1 |
| 15°   | 788.5  | 761.1  | 745.4  | 725.8  | 757.2  | 765.0  | 776.8  | 804.2  | 835.6  | 851.3  | 882.7  |
| 17.5° | 631.6  | 631.6  | 631.6  | 615.9  | 627.7  | 639.5  | 643.4  | 678.7  | 682.6  | 698.3  | 710.1  |
| 20°   | 517.9  | 529.6  | 549.2  | 557.1  | 568.9  | 568.9  | 561.0  | 580.6  | 564.9  | 576.7  | 584.5  |
| 22.5° | 466.9  | 482.5  | 490.4  | 494.3  | 510.0  | 513.9  | 494.3  | 498.2  | 502.2  | 490.4  | 494.3  |
| 25°   | 439.4  | 447.2  | 439.4  | 443.3  | 447.2  | 439.4  | 443.3  | 451.2  | 447.2  | 455.1  | 451.2  |
| 27.5° | 427.6  | 419.8  | 415.9  | 411.9  | 411.9  | 404.1  | 408.0  | 408.0  | 415.9  | 419.8  | 419.8  |
| 30°   | 427.6  | 415.9  | 400.2  | 388.4  | 388.4  | 376.6  | 384.5  | 392.3  | 396.2  | 404.1  | 404.1  |
| 32.5° | 439.4  | 415.9  | 388.4  | 376.6  | 364.8  | 357.0  | 364.8  | 376.6  | 392.3  | 396.2  | 400.2  |
| 35°   | 349.2  | 360.9  | 357.0  | 341.3  | 337.4  | 337.4  | 333.5  | 333.5  | 321.7  | 321.7  | 317.8  |
| 37.5° | 313.8  | 309.9  | 317.8  | 321.7  | 325.6  | 313.8  | 313.8  | 298.2  | 294.2  | 298.2  | 298.2  |
| 40°   | 294.2  | 294.2  | 294.2  | 306.0  | 309.9  | 302.1  | 290.3  | 282.5  | 282.5  | 282.5  | 286.4  |
| 42.5° | 286.4  | 278.5  | 274.6  | 282.5  | 294.2  | 286.4  | 274.6  | 270.7  | 270.7  | 274.6  | 274.6  |
| 45°   | 274.6  | 270.7  | 266.8  | 262.8  | 278.5  | 266.8  | 262.8  | 258.9  | 258.9  | 258.9  | 262.8  |
| 47.5° | 262.8  | 258.9  | 251.1  | 251.1  | 255.0  | 251.1  | 247.2  | 247.2  | 247.2  | 255.0  | 255.0  |
| 50°   | 255.0  | 251.1  | 243.2  | 243.2  | 243.2  | 243.2  | 239.3  | 239.3  | 239.3  | 243.2  | 247.2  |
| 52.5° | 243.2  | 239.3  | 235.4  | 231.5  | 231.5  | 231.5  | 231.5  | 231.5  | 231.5  | 235.4  | 239.3  |
| 55°   | 231.5  | 227.5  | 223.6  | 223.6  | 227.5  | 227.5  | 223.6  | 227.5  | 223.6  | 227.5  | 231.5  |
| 57.5° | 219.7  | 215.8  | 211.8  | 215.8  | 219.7  | 215.8  | 215.8  | 215.8  | 215.8  | 215.8  | 219.7  |
| 60°   | 204.0  | 204.0  | 204.0  | 204.0  | 211.8  | 211.8  | 211.8  | 211.8  | 204.0  | 207.9  | 211.8  |
| 62.5° | 196.2  | 192.2  | 192.2  | 196.2  | 200.1  | 200.1  | 204.0  | 200.1  | 196.2  | 200.1  | 200.1  |
| 65°   | 180.5  | 180.5  | 180.5  | 184.4  | 184.4  | 188.3  | 188.3  | 188.3  | 184.4  | 188.3  | 188.3  |
| 67.5° | 168.7  | 168.7  | 168.7  | 168.7  | 176.5  | 176.5  | 176.5  | 176.5  | 172.6  | 172.6  | 176.5  |
| 70°   | 149.1  | 153.0  | 149.1  | 156.9  | 164.8  | 160.8  | 164.8  | 164.8  | 160.8  | 156.9  | 164.8  |
| 72.5° | 137.3  | 137.3  | 137.3  | 137.3  | 149.1  | 149.1  | 149.1  | 153.0  | 149.1  | 145.2  | 149.1  |
| 75°   | 121.6  | 121.6  | 121.6  | 125.5  | 133.4  | 133.4  | 133.4  | 133.4  | 133.4  | 129.5  | 129.5  |
| 77.5° | 105.9  | 109.8  | 105.9  | 109.8  | 117.7  | 113.8  | 117.7  | 121.6  | 117.7  | 113.8  | 113.8  |
| 80°   | 90.2   | 90.2   | 90.2   | 94.2   | 98.1   | 98.1   | 98.1   | 102.0  | 98.1   | 94.2   | 94.2   |
| 82.5° | 70.6   | 70.6   | 74.5   | 74.5   | 78.5   | 78.5   | 78.5   | 82.4   | 78.5   | 74.5   | 74.5   |
| 85°   | 54.9   | 54.9   | 54.9   | 58.8   | 58.8   | 62.8   | 62.8   | 66.7   | 66.7   | 62.8   | 62.8   |
| 87.5° | 35.3   | 31.4   | 35.3   | 35.3   | 39.2   | 39.2   | 35.3   | 31.4   | 35.3   | 31.4   | 27.5   |
| 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):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 | 2824.6 |
| 2.5°  | 2577.5 | 2648.1 | 2699.1 | 2734.4 | 2785.4 | 2883.5 | 2922.7 | 2993.3 | 3013.0 | 3024.7 |
| 5°    | 2216.6 | 2291.1 | 2400.9 | 2479.4 | 2569.6 | 2754.0 | 2895.3 | 3001.2 | 3048.3 | 3091.4 |
| 7.5°  | 1737.9 | 1836.0 | 1949.8 | 2051.8 | 2200.9 | 2428.4 | 2612.8 | 2832.5 | 2914.9 | 2958.0 |
| 10°   | 1357.4 | 1447.6 | 1573.2 | 1698.7 | 1906.6 | 2098.9 | 2361.7 | 2561.8 | 2675.6 | 2706.9 |
| 12.5° | 1145.5 | 1251.5 | 1400.6 | 1553.6 | 1683.0 | 1902.7 | 2169.5 | 2459.8 | 2565.7 | 2585.3 |
| 15°   | 972.9  | 1118.1 | 1271.1 | 1428.0 | 1577.1 | 1769.3 | 2055.7 | 2408.8 | 2565.7 | 2585.3 |
| 17.5° | 804.2  | 933.7  | 1114.2 | 1282.9 | 1455.5 | 1718.3 | 2075.3 | 2451.9 | 2608.9 | 2667.7 |
| 20°   | 639.5  | 765.0  | 906.2  | 1118.1 | 1353.5 | 1632.0 | 2118.5 | 2597.1 | 2805.0 | 2867.8 |
| 22.5° | 529.6  | 584.5  | 721.9  | 925.9  | 1204.4 | 1573.2 | 2161.6 | 2824.6 | 3044.3 | 3067.9 |
| 25°   | 462.9  | 502.2  | 588.5  | 780.7  | 1086.7 | 1533.9 | 2263.6 | 3087.5 | 3370.0 | 3370.0 |
| 27.5° | 431.5  | 447.2  | 506.1  | 678.7  | 1004.3 | 1498.6 | 2365.6 | 3377.8 | 3640.7 | 3695.6 |
| 30°   | 423.7  | 462.9  | 494.3  | 604.2  | 914.1  | 1400.6 | 2459.8 | 3605.3 | 3876.0 | 3880.0 |
| 32.5° | 415.9  | 408.0  | 431.5  | 525.7  | 804.2  | 1298.6 | 2538.3 | 3836.8 | 4048.7 | 4060.4 |
| 35°   | 325.6  | 341.3  | 380.5  | 462.9  | 721.9  | 1224.0 | 2577.5 | 3962.3 | 4268.3 | 4280.1 |
| 37.5° | 306.0  | 325.6  | 357.0  | 427.6  | 666.9  | 1161.2 | 2589.3 | 4205.6 | 4499.8 | 4523.4 |
| 40°   | 298.2  | 313.8  | 337.4  | 396.2  | 623.8  | 1082.8 | 2612.8 | 4456.7 | 4841.1 | 4809.7 |
| 42.5° | 282.5  | 302.1  | 325.6  | 380.5  | 588.5  | 1023.9 | 2616.7 | 4594.0 | 5021.6 | 5021.6 |
| 45°   | 278.5  | 290.3  | 317.8  | 380.5  | 549.2  | 972.9  | 2553.9 | 4731.3 | 5229.5 | 5166.7 |
| 47.5° | 262.8  | 286.4  | 309.9  | 368.8  | 502.2  | 921.9  | 2479.4 | 4801.9 | 5257.0 | 5237.4 |
| 50°   | 258.9  | 282.5  | 321.7  | 349.2  | 474.7  | 898.4  | 2463.7 | 4978.4 | 5311.9 | 5308.0 |
| 52.5° | 251.1  | 274.6  | 333.5  | 333.5  | 439.4  | 867.0  | 2538.3 | 5056.9 | 5323.7 | 5355.1 |
| 55°   | 239.3  | 274.6  | 309.9  | 306.0  | 408.0  | 827.8  | 2620.6 | 5260.9 | 5531.6 | 5523.7 |
| 57.5° | 231.5  | 266.8  | 294.2  | 278.5  | 372.7  | 800.3  | 2742.3 | 5457.1 | 5782.7 | 5727.7 |
| 60°   | 219.7  | 266.8  | 262.8  | 258.9  | 345.2  | 776.8  | 2844.3 | 5496.3 | 5837.6 | 5872.9 |
| 62.5° | 211.8  | 278.5  | 231.5  | 239.3  | 321.7  | 765.0  | 2801.1 | 5202.0 | 5763.1 | 5794.4 |
| 65°   | 204.0  | 239.3  | 211.8  | 219.7  | 313.8  | 741.5  | 2632.4 | 4849.0 | 5441.4 | 5578.7 |
| 67.5° | 188.3  | 196.2  | 196.2  | 204.0  | 306.0  | 686.5  | 2287.2 | 4213.4 | 4951.0 | 5025.5 |
| 70°   | 172.6  | 176.5  | 176.5  | 188.3  | 298.2  | 623.8  | 1887.0 | 3644.6 | 4295.8 | 4437.0 |
| 72.5° | 156.9  | 156.9  | 156.9  | 172.6  | 274.6  | 572.8  | 1553.6 | 2801.1 | 3570.0 | 3668.1 |
| 75°   | 137.3  | 137.3  | 137.3  | 153.0  | 247.2  | 521.8  | 1224.0 | 2083.2 | 2628.5 | 2769.7 |
| 77.5° | 121.6  | 121.6  | 117.7  | 137.3  | 215.8  | 423.7  | 882.7  | 1471.2 | 1851.7 | 1969.4 |
| 80°   | 102.0  | 98.1   | 98.1   | 109.8  | 168.7  | 306.0  | 568.9  | 1039.6 | 1290.7 | 1341.7 |
| 82.5° | 82.4   | 78.5   | 74.5   | 82.4   | 121.6  | 192.2  | 353.1  | 725.8  | 827.8  | 796.4  |
| 85°   | 78.5   | 82.4   | 66.7   | 62.8   | 86.3   | 125.5  | 223.6  | 447.2  | 372.7  | 372.7  |
| 87.5° | 31.4   | 27.5   | 27.5   | 23.5   | 43.2   | 47.1   | 98.1   | 82.4   | 62.8   | 62.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)