

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: P598688

Luminaire Tested: **IFLD-S-SA6E-735-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598688  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-735-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 3500K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

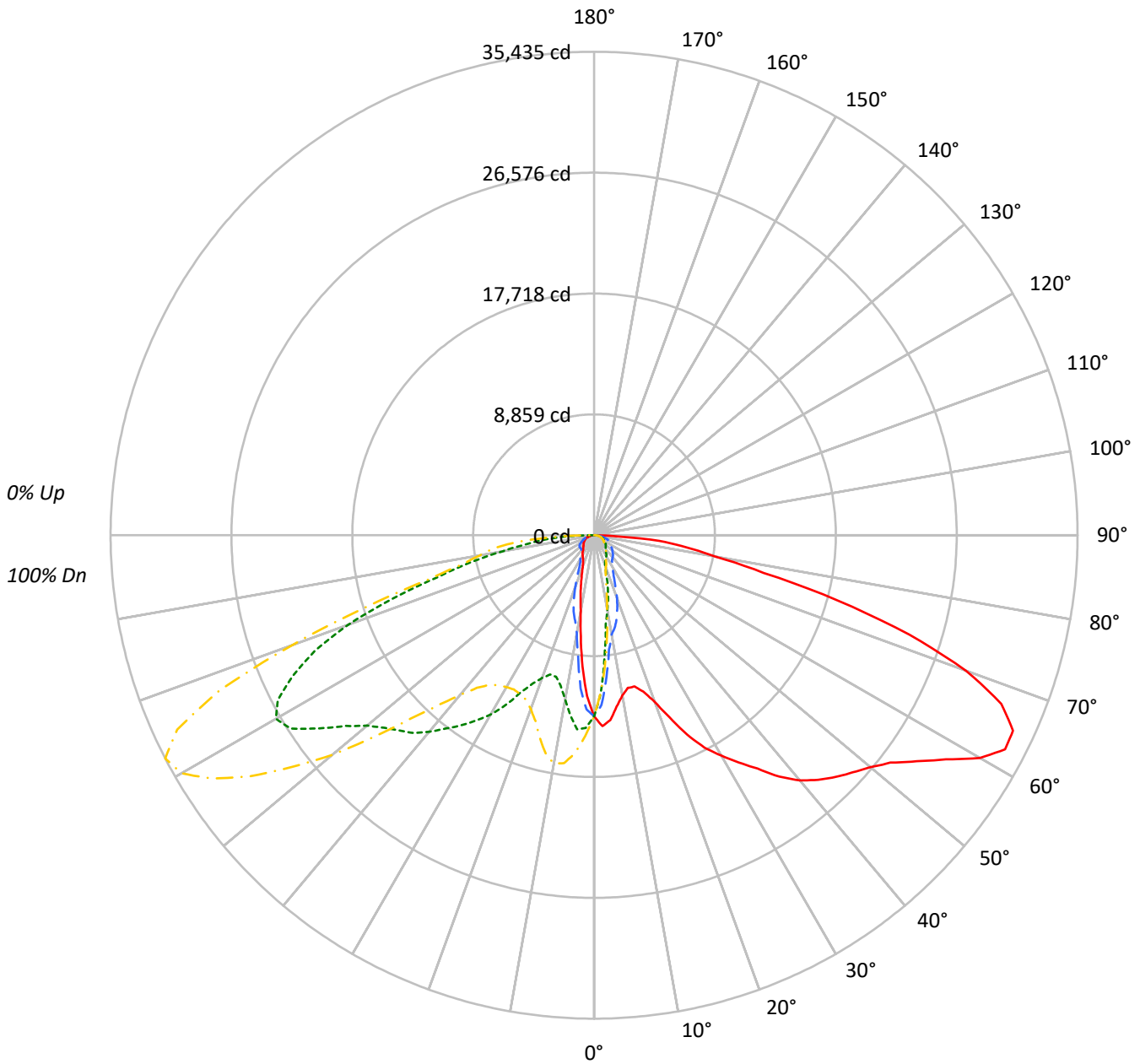
Lumens per Lamp: N/A  
 Luminaire Lumens: 44390.0 lumens  
 Efficiency: N/A  
 Efficacy: 95.6 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 464.2  
 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  | 50  | 30  | 10  | 0   |  |   |
| RCR | 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | 100 |  |   |
|     | 1  | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 87  | 92  | 88  | 84  | 88  | 85  | 82  | 85  | 82  | 79  | 79  | 77  | 77  | 77  | 77  | 77  |  |   |
|     | 2  | 93  | 83  | 74  | 67  | 90  | 81  | 73  | 66  | 77  | 70  | 64  | 73  | 68  | 63  | 70  | 65  | 61  | 61  | 59  | 59  | 59  | 59  | 59  |  |   |
|     | 3  | 83  | 70  | 60  | 52  | 80  | 68  | 59  | 51  | 65  | 57  | 50  | 62  | 55  | 49  | 59  | 53  | 48  | 48  | 46  | 46  | 46  | 46  | 46  |  |   |
|     | 4  | 74  | 60  | 49  | 41  | 72  | 59  | 49  | 41  | 56  | 47  | 40  | 53  | 46  | 40  | 51  | 44  | 39  | 39  | 36  | 36  | 36  | 36  | 36  |  |   |
|     | 5  | 68  | 52  | 42  | 34  | 65  | 51  | 41  | 34  | 49  | 40  | 33  | 47  | 39  | 33  | 45  | 38  | 32  | 32  | 30  | 30  | 30  | 30  | 30  |  |   |
|     | 6  | 62  | 46  | 36  | 28  | 60  | 45  | 35  | 28  | 43  | 34  | 28  | 41  | 34  | 28  | 40  | 33  | 27  | 27  | 25  | 25  | 25  | 25  | 25  |  |   |
|     | 7  | 57  | 41  | 31  | 24  | 55  | 40  | 31  | 24  | 39  | 30  | 24  | 37  | 29  | 24  | 36  | 29  | 23  | 23  | 21  | 21  | 21  | 21  | 21  |  |   |
|     | 8  | 53  | 37  | 28  | 21  | 51  | 36  | 27  | 21  | 35  | 27  | 21  | 34  | 26  | 21  | 32  | 26  | 20  | 20  | 18  | 18  | 18  | 18  | 18  |  |   |
|     | 9  | 49  | 34  | 25  | 19  | 47  | 33  | 24  | 18  | 32  | 24  | 18  | 31  | 23  | 18  | 30  | 23  | 18  | 18  | 16  | 16  | 16  | 16  | 16  |  |   |
|     | 10 | 46  | 31  | 22  | 17  | 44  | 31  | 22  | 17  | 29  | 22  | 16  | 28  | 21  | 16  | 28  | 21  | 16  | 16  | 14  | 14  | 14  | 14  | 14  |  |   |

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

|     | 0°     | 90°   | 180°  | 270°   |
|-----|--------|-------|-------|--------|
| 0°  | 95154  | 95154 | 95154 | 95154  |
| 5°  | 97925  | 63678 | 69564 | 102875 |
| 10° | 86879  | 40462 | 40868 | 88908  |
| 15° | 85265  | 28698 | 27180 | 79747  |
| 20° | 99133  | 18153 | 18295 | 84951  |
| 25° | 127489 | 15587 | 15146 | 100432 |
| 30° | 154501 | 14773 | 13849 | 125724 |
| 35° | 182865 | 13015 | 12527 | 149025 |
| 40° | 219724 | 12352 | 11482 | 176058 |
| 45° | 254247 | 12251 | 11120 | 205245 |
| 50° | 295237 | 12440 | 11196 | 242368 |
| 55° | 361299 | 12779 | 11385 | 308790 |
| 60° | 468573 | 12793 | 11994 | 386212 |
| 65° | 575182 | 12928 | 12298 | 413412 |
| 70° | 608635 | 13638 | 12859 | 402511 |
| 75° | 512335 | 14417 | 12873 | 328514 |
| 80° | 372219 | 16885 | 13046 | 283962 |
| 85° | 394507 | 24462 | 10704 | 295112 |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1026.2  | 2.3       |
| 10°-20°   | 2147.7  | 4.8       |
| 20°-30°   | 3095.1  | 7.0       |
| 30°-40°   | 4455.7  | 10.0      |
| 40°-50°   | 6329.0  | 14.3      |
| 50°-60°   | 9099.4  | 20.5      |
| 60°-70°   | 10512.8 | 23.7      |
| 70°-80°   | 5952.5  | 13.4      |
| 80°-90°   | 1771.5  | 4.0       |
| 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°    | 6269.1  | 14.1      |
| 0°-40°    | 10724.8 | 24.2      |
| 0°-60°    | 26153.2 | 58.9      |
| 0°-90°    | 44390.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 44390.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180°  | 270°  | 360°  | Flux  |
|-----|-------|-------|-------|-------|-------|-------|
| 0°  | 13260 | 13260 | 13260 | 13260 | 13260 |       |
| 5°  | 13594 | 8840  | 9657  | 14282 | 13594 | 1233  |
| 15° | 11477 | 3863  | 3659  | 10734 | 11477 | 3375  |
| 25° | 16102 | 1969  | 1913  | 12684 | 16102 | 7474  |
| 35° | 20874 | 1486  | 1430  | 17012 | 20874 | 13248 |
| 45° | 25053 | 1207  | 1096  | 20224 | 25053 | 19399 |
| 55° | 28879 | 1021  | 910   | 24682 | 28879 | 26154 |
| 65° | 33875 | 761   | 724   | 24347 | 33875 | 32483 |
| 75° | 18479 | 520   | 464   | 11849 | 18479 | 19607 |
| 85° | 4792  | 297   | 130   | 3584  | 4792  | 4772  |
| 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°    | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 |
| 2.5°  | 14003.0 | 13984.4 | 13873.0 | 13520.1 | 13148.7 | 12795.8 | 12461.5 | 12108.7 | 11923.0 | 11700.1 | 11607.2 |
| 5°    | 13594.4 | 13557.3 | 13241.5 | 12461.5 | 11774.4 | 11031.5 | 10400.1 | 9898.7  | 9490.1  | 9081.5  | 8932.9  |
| 7.5°  | 12665.8 | 12610.1 | 12238.7 | 11161.5 | 10158.7 | 9192.9  | 8431.5  | 7781.5  | 7242.9  | 7001.5  | 6722.9  |
| 10°   | 11923.0 | 11830.1 | 11347.2 | 10158.7 | 8858.7  | 7892.9  | 7391.5  | 6945.8  | 6481.5  | 6091.5  | 5682.9  |
| 12.5° | 11458.7 | 11347.2 | 10845.8 | 9452.9  | 8190.1  | 7465.8  | 6945.8  | 6444.3  | 5868.6  | 5385.8  | 4940.0  |
| 15°   | 11477.2 | 11347.2 | 10734.4 | 9267.2  | 8022.9  | 7094.3  | 6370.1  | 5682.9  | 5014.3  | 4475.8  | 3974.3  |
| 17.5° | 12015.8 | 11848.7 | 11198.7 | 9527.2  | 7892.9  | 6611.5  | 5645.8  | 4754.3  | 3992.9  | 3417.2  | 3008.6  |
| 20°   | 12981.5 | 12870.1 | 12127.3 | 9917.2  | 7762.9  | 6091.5  | 4902.9  | 3825.7  | 3027.2  | 2581.5  | 2414.3  |
| 22.5° | 14430.1 | 14300.1 | 13501.6 | 10511.5 | 7725.8  | 5627.2  | 4104.3  | 3008.6  | 2432.9  | 2247.2  | 2154.3  |
| 25°   | 16101.6 | 15860.1 | 15117.3 | 11514.4 | 7800.1  | 5200.0  | 3454.3  | 2488.6  | 2172.9  | 2042.9  | 1987.2  |
| 27.5° | 17550.2 | 17401.6 | 16565.9 | 12461.5 | 7837.2  | 4865.8  | 3008.6  | 2265.7  | 2024.3  | 1912.9  | 1875.7  |
| 30°   | 18645.9 | 18590.2 | 17773.0 | 13501.6 | 7744.4  | 4457.2  | 2730.0  | 2172.9  | 2024.3  | 1912.9  | 1801.4  |
| 32.5° | 19741.6 | 19760.2 | 18887.3 | 14300.1 | 7614.4  | 4104.3  | 2470.0  | 1931.4  | 1782.9  | 1708.6  | 1727.2  |
| 35°   | 20874.5 | 20967.3 | 20224.5 | 15080.1 | 7335.8  | 3974.3  | 2284.3  | 1801.4  | 1671.4  | 1560.0  | 1504.3  |
| 37.5° | 22304.5 | 22545.9 | 21821.6 | 15953.0 | 7057.2  | 3862.9  | 2191.4  | 1708.6  | 1578.6  | 1485.7  | 1411.4  |
| 40°   | 23455.9 | 23901.6 | 23474.5 | 16770.2 | 6871.5  | 3732.9  | 2117.2  | 1615.7  | 1522.9  | 1411.4  | 1355.7  |
| 42.5° | 24310.2 | 24830.2 | 24681.7 | 17401.6 | 6871.5  | 3602.9  | 2042.9  | 1560.0  | 1485.7  | 1355.7  | 1281.4  |
| 45°   | 25053.1 | 25591.7 | 25573.1 | 18051.6 | 7020.1  | 3528.6  | 1950.0  | 1560.0  | 1448.6  | 1318.6  | 1244.3  |
| 47.5° | 25721.7 | 26260.2 | 26446.0 | 18868.7 | 7261.5  | 3491.5  | 1838.6  | 1522.9  | 1448.6  | 1300.0  | 1188.6  |
| 50°   | 26446.0 | 27040.2 | 27597.4 | 20168.8 | 7558.6  | 3398.6  | 1764.3  | 1467.2  | 1467.2  | 1281.4  | 1151.4  |
| 52.5° | 27374.5 | 28043.1 | 29064.5 | 21784.5 | 7855.8  | 3231.5  | 1652.9  | 1430.0  | 1467.2  | 1262.9  | 1114.3  |
| 55°   | 28878.8 | 29436.0 | 30773.1 | 23715.9 | 8227.2  | 3027.2  | 1560.0  | 1337.2  | 1392.9  | 1207.2  | 1058.6  |
| 57.5° | 30568.8 | 31051.7 | 32166.0 | 25201.7 | 8338.6  | 2767.2  | 1430.0  | 1244.3  | 1337.2  | 1151.4  | 984.3   |
| 60°   | 32648.9 | 32890.3 | 32890.3 | 25628.8 | 7967.2  | 2525.7  | 1337.2  | 1170.0  | 1207.2  | 1095.7  | 928.6   |
| 62.5° | 33967.4 | 33967.4 | 32890.3 | 24848.8 | 7261.5  | 2321.4  | 1262.9  | 1095.7  | 1058.6  | 1021.4  | 872.9   |
| 65°   | 33874.6 | 33726.0 | 32128.9 | 22583.1 | 6444.3  | 2191.4  | 1188.6  | 1002.9  | 947.2   | 928.6   | 817.2   |
| 67.5° | 32314.6 | 32054.6 | 29881.7 | 19388.7 | 5590.1  | 2135.7  | 1114.3  | 910.0   | 872.9   | 835.7   | 742.9   |
| 70°   | 29008.8 | 28340.3 | 25665.9 | 15600.1 | 4754.3  | 2098.6  | 1095.7  | 835.7   | 798.6   | 761.4   | 687.1   |
| 72.5° | 24217.4 | 23363.1 | 20038.8 | 11997.3 | 3992.9  | 1968.6  | 1040.0  | 742.9   | 724.3   | 687.1   | 612.9   |
| 75°   | 18478.7 | 16900.2 | 13984.4 | 9174.4  | 3101.5  | 1708.6  | 891.4   | 650.0   | 650.0   | 631.4   | 557.1   |
| 77.5° | 12740.1 | 11923.0 | 9750.1  | 6778.6  | 2265.7  | 1318.6  | 724.3   | 575.7   | 575.7   | 594.3   | 520.0   |
| 80°   | 9007.2  | 8245.8  | 6945.8  | 4865.8  | 1430.0  | 891.4   | 557.1   | 482.9   | 538.6   | 575.7   | 482.9   |
| 82.5° | 6890.1  | 6332.9  | 5162.9  | 3547.2  | 835.7   | 612.9   | 427.1   | 390.0   | 464.3   | 501.4   | 408.6   |
| 85°   | 4791.5  | 4122.9  | 2618.6  | 2377.2  | 482.9   | 371.4   | 315.7   | 315.7   | 408.6   | 501.4   | 371.4   |
| 87.5° | 1355.7  | 575.7   | 167.1   | 705.7   | 204.3   | 148.6   | 111.4   | 74.3    | 111.4   | 111.4   | 74.3    |
| 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°    | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 |
| 2.5°  | 11514.4 | 11403.0 | 11403.0 | 11365.8 | 11384.4 | 11403.0 | 11384.4 | 11514.4 | 11570.1 | 11644.4 | 11793.0 |
| 5°    | 8840.1  | 8988.7  | 8877.2  | 8988.7  | 9137.2  | 9360.1  | 9415.8  | 9582.9  | 9601.5  | 9731.5  | 9657.2  |
| 7.5°  | 6555.8  | 6537.2  | 6444.3  | 6574.3  | 6982.9  | 7298.6  | 7447.2  | 7540.1  | 7558.6  | 7558.6  | 7465.8  |
| 10°   | 5552.9  | 5385.8  | 5218.6  | 5125.8  | 5162.9  | 5497.2  | 5608.6  | 5664.3  | 5627.2  | 5682.9  | 5608.6  |
| 12.5° | 4754.3  | 4605.8  | 4364.3  | 4197.2  | 4085.8  | 4178.6  | 4290.0  | 4345.8  | 4382.9  | 4475.8  | 4550.0  |
| 15°   | 3862.9  | 3714.3  | 3565.7  | 3472.9  | 3380.0  | 3305.7  | 3398.6  | 3454.3  | 3547.2  | 3621.5  | 3658.6  |
| 17.5° | 2934.3  | 2860.0  | 2785.7  | 2841.5  | 2841.5  | 2804.3  | 2841.5  | 2860.0  | 2897.2  | 2952.9  | 2934.3  |
| 20°   | 2377.2  | 2358.6  | 2340.0  | 2432.9  | 2507.2  | 2507.2  | 2544.3  | 2488.6  | 2470.0  | 2414.3  | 2395.7  |
| 22.5° | 2117.2  | 2117.2  | 2135.7  | 2210.0  | 2284.3  | 2321.4  | 2321.4  | 2228.6  | 2135.7  | 2098.6  | 2117.2  |
| 25°   | 1968.6  | 1968.6  | 2024.3  | 2042.9  | 2080.0  | 2080.0  | 2098.6  | 2005.7  | 1950.0  | 1894.3  | 1912.9  |
| 27.5° | 1857.2  | 1857.2  | 1875.7  | 1875.7  | 1894.3  | 1894.3  | 1912.9  | 1875.7  | 1801.4  | 1782.9  | 1782.9  |
| 30°   | 1782.9  | 1782.9  | 1764.3  | 1764.3  | 1764.3  | 1764.3  | 1782.9  | 1727.2  | 1690.0  | 1671.4  | 1671.4  |
| 32.5° | 1708.6  | 1690.0  | 1671.4  | 1671.4  | 1652.9  | 1652.9  | 1671.4  | 1615.7  | 1597.2  | 1597.2  | 1597.2  |
| 35°   | 1485.7  | 1467.2  | 1485.7  | 1522.9  | 1522.9  | 1541.4  | 1541.4  | 1522.9  | 1485.7  | 1448.6  | 1430.0  |
| 37.5° | 1392.9  | 1374.3  | 1374.3  | 1374.3  | 1411.4  | 1430.0  | 1448.6  | 1411.4  | 1355.7  | 1300.0  | 1300.0  |
| 40°   | 1318.6  | 1318.6  | 1300.0  | 1300.0  | 1300.0  | 1337.2  | 1374.3  | 1318.6  | 1244.3  | 1225.7  | 1225.7  |
| 42.5° | 1262.9  | 1244.3  | 1225.7  | 1207.2  | 1188.6  | 1244.3  | 1281.4  | 1207.2  | 1170.0  | 1170.0  | 1170.0  |
| 45°   | 1207.2  | 1188.6  | 1170.0  | 1151.4  | 1132.9  | 1151.4  | 1188.6  | 1114.3  | 1095.7  | 1095.7  | 1095.7  |
| 47.5° | 1151.4  | 1132.9  | 1095.7  | 1077.2  | 1058.6  | 1058.6  | 1095.7  | 1040.0  | 1021.4  | 1040.0  | 1040.0  |
| 50°   | 1114.3  | 1077.2  | 1040.0  | 1021.4  | 1002.9  | 1002.9  | 1002.9  | 984.3   | 984.3   | 984.3   | 1002.9  |
| 52.5° | 1077.2  | 1040.0  | 984.3   | 965.7   | 947.2   | 947.2   | 947.2   | 947.2   | 928.6   | 947.2   | 965.7   |
| 55°   | 1021.4  | 984.3   | 947.2   | 928.6   | 910.0   | 891.4   | 910.0   | 891.4   | 891.4   | 910.0   | 910.0   |
| 57.5° | 947.2   | 910.0   | 872.9   | 872.9   | 854.3   | 854.3   | 872.9   | 854.3   | 854.3   | 872.9   | 872.9   |
| 60°   | 891.4   | 854.3   | 817.2   | 817.2   | 798.6   | 817.2   | 835.7   | 817.2   | 817.2   | 817.2   | 835.7   |
| 62.5° | 817.2   | 798.6   | 761.4   | 761.4   | 761.4   | 761.4   | 780.0   | 761.4   | 780.0   | 780.0   | 780.0   |
| 65°   | 761.4   | 724.3   | 705.7   | 705.7   | 705.7   | 705.7   | 742.9   | 705.7   | 724.3   | 724.3   | 724.3   |
| 67.5° | 705.7   | 668.6   | 650.0   | 650.0   | 650.0   | 650.0   | 687.1   | 650.0   | 668.6   | 687.1   | 668.6   |
| 70°   | 650.0   | 612.9   | 594.3   | 594.3   | 594.3   | 594.3   | 612.9   | 594.3   | 594.3   | 612.9   | 612.9   |
| 72.5° | 575.7   | 557.1   | 538.6   | 538.6   | 520.0   | 538.6   | 557.1   | 538.6   | 538.6   | 538.6   | 538.6   |
| 75°   | 520.0   | 501.4   | 501.4   | 482.9   | 482.9   | 482.9   | 501.4   | 464.3   | 464.3   | 464.3   | 464.3   |
| 77.5° | 482.9   | 445.7   | 445.7   | 445.7   | 427.1   | 445.7   | 427.1   | 390.0   | 390.0   | 390.0   | 390.0   |
| 80°   | 408.6   | 371.4   | 390.0   | 390.0   | 371.4   | 371.4   | 352.9   | 315.7   | 315.7   | 315.7   | 315.7   |
| 82.5° | 334.3   | 297.1   | 315.7   | 315.7   | 315.7   | 315.7   | 278.6   | 260.0   | 241.4   | 222.9   | 222.9   |
| 85°   | 297.1   | 241.4   | 278.6   | 278.6   | 260.0   | 260.0   | 185.7   | 185.7   | 148.6   | 148.6   | 130.0   |
| 87.5° | 55.7    | 37.1    | 74.3    | 92.9    | 92.9    | 111.4   | 74.3    | 92.9    | 55.7    | 37.1    | 37.1    |
| 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):**

|       | 185°    | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 |
| 2.5°  | 11774.4 | 11978.7 | 12257.3 | 12461.5 | 12777.3 | 13018.7 | 13390.1 | 13705.8 | 14003.0 | 14133.0 | 14263.0 |
| 5°    | 9880.1  | 10010.1 | 10437.2 | 10771.5 | 11273.0 | 11811.5 | 12480.1 | 13204.4 | 13947.3 | 14281.6 | 14671.6 |
| 7.5°  | 7391.5  | 7632.9  | 7874.4  | 8357.2  | 8970.1  | 9842.9  | 10697.2 | 11774.4 | 12814.4 | 13315.8 | 13984.4 |
| 10°   | 5738.6  | 5924.3  | 6202.9  | 6704.3  | 7280.1  | 8004.4  | 9025.8  | 10307.2 | 11551.5 | 12201.5 | 12888.7 |
| 12.5° | 4605.8  | 4865.8  | 5237.2  | 5757.2  | 6425.8  | 7168.6  | 7911.5  | 9100.1  | 10548.7 | 11291.5 | 12071.5 |
| 15°   | 3732.9  | 3937.2  | 4345.8  | 4995.8  | 5775.8  | 6537.2  | 7317.2  | 8301.5  | 9880.1  | 10734.4 | 11663.0 |
| 17.5° | 2971.5  | 3120.0  | 3491.5  | 4141.5  | 4921.5  | 5775.8  | 6667.2  | 7911.5  | 9657.2  | 10697.2 | 11793.0 |
| 20°   | 2414.3  | 2525.7  | 2767.2  | 3250.0  | 3992.9  | 4921.5  | 6035.8  | 7540.1  | 9787.2  | 11124.4 | 12461.5 |
| 22.5° | 2117.2  | 2154.3  | 2265.7  | 2525.7  | 3138.6  | 4122.9  | 5460.0  | 7224.4  | 10028.7 | 11755.8 | 13557.3 |
| 25°   | 1912.9  | 1950.0  | 1987.2  | 2154.3  | 2507.2  | 3435.7  | 4958.6  | 7038.6  | 10548.7 | 12684.4 | 14820.1 |
| 27.5° | 1782.9  | 1820.0  | 1838.6  | 1912.9  | 2154.3  | 2934.3  | 4531.5  | 6927.2  | 11254.4 | 14040.1 | 16380.1 |
| 30°   | 1671.4  | 1671.4  | 1727.2  | 1838.6  | 2005.7  | 2581.5  | 4160.0  | 6667.2  | 11997.3 | 15173.0 | 17605.9 |
| 32.5° | 1578.6  | 1597.2  | 1671.4  | 1727.2  | 1838.6  | 2284.3  | 3788.6  | 6332.9  | 12665.8 | 16101.6 | 18813.0 |
| 35°   | 1411.4  | 1411.4  | 1430.0  | 1522.9  | 1671.4  | 2042.9  | 3454.3  | 5998.6  | 13037.3 | 17011.6 | 19890.2 |
| 37.5° | 1300.0  | 1318.6  | 1355.7  | 1430.0  | 1560.0  | 1875.7  | 3175.7  | 5627.2  | 13427.3 | 17865.9 | 21153.0 |
| 40°   | 1225.7  | 1244.3  | 1281.4  | 1355.7  | 1485.7  | 1727.2  | 2934.3  | 5330.0  | 13835.8 | 18794.5 | 22508.8 |
| 42.5° | 1170.0  | 1188.6  | 1225.7  | 1300.0  | 1411.4  | 1690.0  | 2674.3  | 5088.6  | 14077.3 | 19648.7 | 23790.2 |
| 45°   | 1114.3  | 1132.9  | 1188.6  | 1262.9  | 1355.7  | 1652.9  | 2525.7  | 4921.5  | 14170.1 | 20224.5 | 24811.7 |
| 47.5° | 1058.6  | 1077.2  | 1132.9  | 1244.3  | 1355.7  | 1597.2  | 2470.0  | 4828.6  | 14244.4 | 20874.5 | 25628.8 |
| 50°   | 1002.9  | 1040.0  | 1114.3  | 1225.7  | 1374.3  | 1522.9  | 2432.9  | 4810.0  | 14671.6 | 21710.2 | 26408.8 |
| 52.5° | 965.7   | 1021.4  | 1095.7  | 1225.7  | 1355.7  | 1411.4  | 2414.3  | 4865.8  | 15525.9 | 22954.5 | 27523.1 |
| 55°   | 928.6   | 984.3   | 1058.6  | 1225.7  | 1300.0  | 1318.6  | 2321.4  | 4958.6  | 16825.9 | 24681.7 | 29101.7 |
| 57.5° | 891.4   | 928.6   | 1021.4  | 1188.6  | 1225.7  | 1244.3  | 2135.7  | 5088.6  | 18125.9 | 26371.7 | 30717.4 |
| 60°   | 835.7   | 872.9   | 965.7   | 1188.6  | 1114.3  | 1170.0  | 1894.3  | 5125.8  | 19054.5 | 26910.2 | 30866.0 |
| 62.5° | 780.0   | 817.2   | 910.0   | 1225.7  | 1021.4  | 1095.7  | 1690.0  | 4995.8  | 19240.2 | 26130.2 | 30030.3 |
| 65°   | 724.3   | 761.4   | 835.7   | 1021.4  | 947.2   | 1021.4  | 1560.0  | 4642.9  | 18627.3 | 24347.4 | 28507.4 |
| 67.5° | 668.6   | 705.7   | 761.4   | 835.7   | 854.3   | 928.6   | 1504.3  | 4085.8  | 17085.9 | 22137.3 | 26427.4 |
| 70°   | 594.3   | 631.4   | 687.1   | 742.9   | 761.4   | 872.9   | 1411.4  | 3547.2  | 14597.3 | 19184.5 | 23883.1 |
| 72.5° | 538.6   | 557.1   | 612.9   | 650.0   | 687.1   | 798.6   | 1355.7  | 3101.5  | 11161.5 | 15525.9 | 19481.6 |
| 75°   | 464.3   | 464.3   | 520.0   | 557.1   | 594.3   | 705.7   | 1244.3  | 2581.5  | 7874.4  | 11848.7 | 14318.7 |
| 77.5° | 390.0   | 390.0   | 427.1   | 464.3   | 501.4   | 612.9   | 1058.6  | 2098.6  | 5460.0  | 9397.2  | 10381.5 |
| 80°   | 297.1   | 297.1   | 334.3   | 371.4   | 408.6   | 520.0   | 854.3   | 1541.4  | 3380.0  | 6871.5  | 7558.6  |
| 82.5° | 204.3   | 204.3   | 260.0   | 278.6   | 297.1   | 408.6   | 650.0   | 1058.6  | 1987.2  | 4958.6  | 5404.3  |
| 85°   | 111.4   | 111.4   | 148.6   | 167.1   | 204.3   | 297.1   | 482.9   | 742.9   | 1188.6  | 3584.3  | 3602.9  |
| 87.5° | 18.6    | 18.6    | 55.7    | 55.7    | 92.9    | 148.6   | 278.6   | 408.6   | 668.6   | 1987.2  | 1262.9  |
| 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°    | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 | 13260.1 |
| 2.5°  | 14504.4 | 14708.7 | 14727.3 | 14727.3 | 14634.4 | 14653.0 | 14393.0 | 14114.4 | 14021.6 | 14003.0 |
| 5°    | 15265.9 | 15804.4 | 15953.0 | 16027.3 | 15785.9 | 15414.4 | 14745.8 | 14021.6 | 13650.1 | 13594.4 |
| 7.5°  | 15117.3 | 16194.4 | 16770.2 | 16844.4 | 16361.6 | 15488.7 | 14318.7 | 13204.4 | 12777.3 | 12665.8 |
| 10°   | 14244.4 | 15693.0 | 16733.0 | 16993.0 | 16473.0 | 15358.7 | 13835.8 | 12535.8 | 12015.8 | 11923.0 |
| 12.5° | 13631.6 | 15024.4 | 16045.9 | 16398.7 | 16157.3 | 15191.6 | 13594.4 | 12108.7 | 11588.7 | 11458.7 |
| 15°   | 13297.3 | 14578.7 | 15247.3 | 15358.7 | 15340.1 | 14931.6 | 13594.4 | 12201.5 | 11625.8 | 11477.2 |
| 17.5° | 13575.8 | 14448.7 | 14541.6 | 14281.6 | 14430.1 | 14634.4 | 13891.6 | 12703.0 | 12145.8 | 12015.8 |
| 20°   | 14133.0 | 14393.0 | 13947.3 | 13557.3 | 13631.6 | 14281.6 | 14355.8 | 13650.1 | 13204.4 | 12981.5 |
| 22.5° | 15303.0 | 14597.3 | 13575.8 | 13037.3 | 13093.0 | 14003.0 | 14968.7 | 14931.6 | 14541.6 | 14430.1 |
| 25°   | 16491.6 | 15173.0 | 13464.4 | 12833.0 | 12907.3 | 13947.3 | 15693.0 | 16361.6 | 16157.3 | 16101.6 |
| 27.5° | 17810.2 | 16138.7 | 13538.7 | 12740.1 | 12833.0 | 14021.6 | 16194.4 | 17568.7 | 17605.9 | 17550.2 |
| 30°   | 18701.6 | 16603.0 | 13761.6 | 12851.5 | 12981.5 | 14207.3 | 16305.9 | 18293.0 | 18627.3 | 18645.9 |
| 32.5° | 19444.5 | 17067.3 | 14225.8 | 13037.3 | 13260.1 | 14541.6 | 16603.0 | 18980.2 | 19723.0 | 19741.6 |
| 35°   | 20038.8 | 17587.3 | 14801.6 | 13371.5 | 13705.8 | 15098.7 | 16993.0 | 19630.2 | 20744.5 | 20874.5 |
| 37.5° | 20800.2 | 18163.0 | 15470.1 | 14095.8 | 14467.3 | 15897.3 | 17680.2 | 20391.6 | 21951.6 | 22304.5 |
| 40°   | 21617.3 | 18738.7 | 16435.9 | 15265.9 | 15804.4 | 17085.9 | 18460.2 | 21245.9 | 22973.1 | 23455.9 |
| 42.5° | 22527.3 | 19351.6 | 17531.6 | 16844.4 | 17661.6 | 18590.2 | 19351.6 | 22025.9 | 23753.1 | 24310.2 |
| 45°   | 23418.8 | 20094.5 | 19128.7 | 18998.7 | 19908.8 | 20373.0 | 20224.5 | 22583.1 | 24495.9 | 25053.1 |
| 47.5° | 24050.2 | 21171.6 | 21060.2 | 21840.2 | 22694.5 | 22453.1 | 21245.9 | 22991.6 | 25108.8 | 25721.7 |
| 50°   | 24625.9 | 22508.8 | 23493.1 | 25015.9 | 25535.9 | 24718.8 | 22341.6 | 23548.8 | 25758.8 | 26446.0 |
| 52.5° | 25480.2 | 23938.8 | 26000.2 | 27894.5 | 28396.0 | 27096.0 | 23530.2 | 24458.8 | 26761.7 | 27374.5 |
| 55°   | 27226.0 | 25554.5 | 28618.8 | 30791.7 | 30884.6 | 29268.8 | 25127.4 | 26000.2 | 28173.1 | 28878.8 |
| 57.5° | 29176.0 | 27541.7 | 30698.8 | 33187.4 | 33150.3 | 31441.7 | 26928.8 | 28080.3 | 30086.0 | 30568.8 |
| 60°   | 30940.3 | 29547.4 | 32964.6 | 34896.0 | 34803.2 | 33020.3 | 29027.4 | 30438.8 | 32277.4 | 32648.9 |
| 62.5° | 31980.3 | 31367.4 | 33967.4 | 35434.6 | 35081.7 | 33540.3 | 30810.3 | 32537.4 | 33837.4 | 33967.4 |
| 65°   | 31813.1 | 32407.4 | 32797.4 | 33707.4 | 33206.0 | 32091.7 | 31683.1 | 33874.6 | 34004.6 | 33874.6 |
| 67.5° | 30550.3 | 31813.1 | 29584.6 | 29677.4 | 29417.4 | 28470.3 | 30327.4 | 33521.7 | 32630.3 | 32314.6 |
| 70°   | 28637.4 | 28730.3 | 24737.4 | 23567.4 | 23975.9 | 22675.9 | 26018.8 | 30773.1 | 29398.8 | 29008.8 |
| 72.5° | 25461.7 | 24310.2 | 18701.6 | 17513.0 | 18125.9 | 17197.3 | 20874.5 | 26817.4 | 25480.2 | 24217.4 |
| 75°   | 21357.3 | 19258.7 | 14244.4 | 12554.4 | 12870.1 | 12833.0 | 16175.9 | 22155.9 | 19741.6 | 18478.7 |
| 77.5° | 16547.3 | 15005.8 | 10511.5 | 9861.5  | 9527.2  | 9601.5  | 11291.5 | 16473.0 | 14318.7 | 12740.1 |
| 80°   | 12090.1 | 10493.0 | 8134.4  | 8505.8  | 8320.1  | 7874.4  | 7911.5  | 11031.5 | 9954.4  | 9007.2  |
| 82.5° | 8357.2  | 7465.8  | 6592.9  | 7447.2  | 7001.5  | 6314.3  | 6165.8  | 7948.6  | 7465.8  | 6890.1  |
| 85°   | 5608.6  | 6147.2  | 5237.2  | 5701.5  | 4940.0  | 4550.0  | 5794.3  | 6648.6  | 5367.2  | 4791.5  |
| 87.5° | 3658.6  | 5627.2  | 3770.0  | 2860.0  | 1634.3  | 2191.4  | 3547.2  | 4364.3  | 2507.2  | 1355.7  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)