

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: P598756

Luminaire Tested: **IFLD-L-SA7E-750-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598756  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7E-750-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 5000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

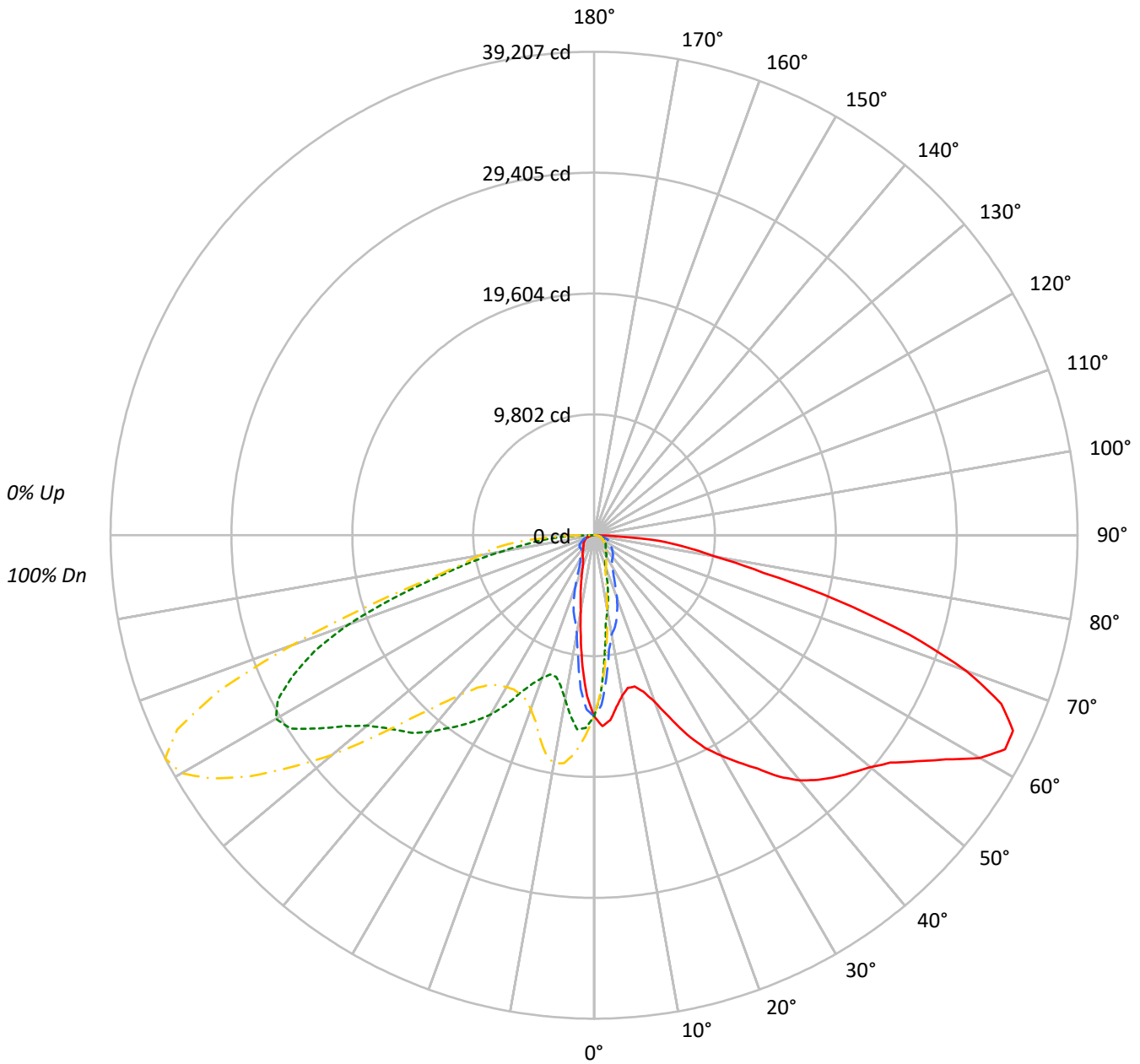
Lumens per Lamp: N/A  
 Luminaire Lumens: 49115.9 lumens  
 Efficiency: N/A  
 Efficacy: 92.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 532.7  
 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°

TEST NUMBER: P598756  
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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 | 100 |    |    | 100 |   |
| 1   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 87  | 92  | 88  | 84  | 88  | 85  | 82  | 85  | 82  | 79  | 77  |    |    | 77  |   |
| 2   | 93  | 83  | 74  | 67  | 90  | 81  | 73  | 66  | 77  | 70  | 64  | 73  | 68  | 63  | 70  | 65  | 61  | 59  |    |    | 59  |   |
| 3   | 83  | 70  | 60  | 52  | 80  | 68  | 59  | 51  | 65  | 57  | 50  | 62  | 55  | 49  | 59  | 53  | 48  | 46  |    |    | 46  |   |
| 4   | 74  | 60  | 49  | 41  | 72  | 59  | 49  | 41  | 56  | 47  | 40  | 53  | 46  | 40  | 51  | 44  | 39  | 36  |    |    | 36  |   |
| 5   | 68  | 52  | 42  | 34  | 65  | 51  | 41  | 34  | 49  | 40  | 33  | 47  | 39  | 33  | 45  | 38  | 32  | 30  |    |    | 30  |   |
| 6   | 62  | 46  | 36  | 28  | 60  | 45  | 35  | 28  | 43  | 34  | 28  | 41  | 34  | 28  | 40  | 33  | 27  | 25  |    |    | 25  |   |
| 7   | 57  | 41  | 31  | 24  | 55  | 40  | 31  | 24  | 39  | 30  | 24  | 37  | 29  | 24  | 36  | 29  | 23  | 21  |    |    | 21  |   |
| 8   | 53  | 37  | 28  | 21  | 51  | 36  | 27  | 21  | 35  | 27  | 21  | 34  | 26  | 21  | 32  | 26  | 20  | 18  |    |    | 18  |   |
| 9   | 49  | 34  | 25  | 19  | 47  | 33  | 24  | 18  | 32  | 24  | 18  | 31  | 23  | 18  | 30  | 23  | 18  | 16  |    |    | 16  |   |
| 10  | 46  | 31  | 22  | 17  | 44  | 31  | 22  | 17  | 29  | 22  | 16  | 28  | 21  | 16  | 28  | 21  | 16  | 14  |    |    | 14  |   |

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

|     | 0°     | 90°   | 180°  | 270°   |
|-----|--------|-------|-------|--------|
| 0°  | 78963  | 78963 | 78963 | 78963  |
| 5°  | 81263  | 52843 | 57728 | 85371  |
| 10° | 72096  | 33577 | 33914 | 73781  |
| 15° | 70758  | 23814 | 22555 | 66178  |
| 20° | 82266  | 15064 | 15182 | 70496  |
| 25° | 105796 | 12935 | 12568 | 83343  |
| 30° | 128212 | 12259 | 11493 | 104332 |
| 35° | 151750 | 10801 | 10396 | 123668 |
| 40° | 182337 | 10250 | 9528  | 146101 |
| 45° | 210986 | 10166 | 9228  | 170321 |
| 50° | 245002 | 10323 | 9291  | 201128 |
| 55° | 299824 | 10605 | 9448  | 256247 |
| 60° | 388844 | 10616 | 9953  | 320498 |
| 65° | 477313 | 10729 | 10206 | 343069 |
| 70° | 505075 | 11317 | 10670 | 334022 |
| 75° | 425160 | 11965 | 10682 | 272615 |
| 80° | 308887 | 14012 | 10826 | 235646 |
| 85° | 327379 | 20304 | 8880  | 244898 |

TEST NUMBER: P598756  
 CATALOG NUMBER: IFLD-L-SA7E-750-U-SLR

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1135.5  | 2.3       |
| 10°-20°   | 2376.4  | 4.8       |
| 20°-30°   | 3424.6  | 7.0       |
| 30°-40°   | 4930.1  | 10.0      |
| 40°-50°   | 7002.9  | 14.3      |
| 50°-60°   | 10068.1 | 20.5      |
| 60°-70°   | 11632.0 | 23.7      |
| 70°-80°   | 6586.3  | 13.4      |
| 80°-90°   | 1960.1  | 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°    | 6936.5  | 14.1      |
| 0°-40°    | 11866.6 | 24.2      |
| 0°-60°    | 28937.6 | 58.9      |
| 0°-90°    | 49115.9 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 49115.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180°  | 270°  | 360°  | Flux  |
|-----|-------|-------|-------|-------|-------|-------|
| 0°  | 14672 | 14672 | 14672 | 14672 | 14672 |       |
| 5°  | 15042 | 9781  | 10685 | 15802 | 15042 | 1365  |
| 15° | 12699 | 4274  | 4048  | 11877 | 12699 | 3734  |
| 25° | 17816 | 2178  | 2116  | 14035 | 17816 | 8269  |
| 35° | 23097 | 1644  | 1582  | 18823 | 23097 | 14659 |
| 45° | 27720 | 1336  | 1212  | 22378 | 27720 | 21464 |
| 55° | 31953 | 1130  | 1007  | 27309 | 31953 | 28939 |
| 65° | 37481 | 842   | 801   | 26940 | 37481 | 35941 |
| 75° | 20446 | 575   | 514   | 13110 | 20446 | 21694 |
| 85° | 5302  | 329   | 144   | 3966  | 5302  | 5280  |
| 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°    | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 |
| 2.5°  | 15493.8 | 15473.2 | 15349.9 | 14959.5 | 14548.5 | 14158.1 | 13788.2 | 13397.8 | 13192.3 | 12945.7 | 12843.0 |
| 5°    | 15041.7 | 15000.6 | 14651.3 | 13788.2 | 13027.9 | 12206.0 | 11507.3 | 10952.5 | 10500.4 | 10048.4 | 9884.0  |
| 7.5°  | 14014.3 | 13952.6 | 13541.7 | 12349.8 | 11240.2 | 10171.7 | 9329.1  | 8609.9  | 8014.0  | 7746.9  | 7438.7  |
| 10°   | 13192.3 | 13089.6 | 12555.3 | 11240.2 | 9801.8  | 8733.2  | 8178.4  | 7685.2  | 7171.5  | 6740.0  | 6287.9  |
| 12.5° | 12678.6 | 12555.3 | 12000.5 | 10459.3 | 9062.0  | 8260.6  | 7685.2  | 7130.4  | 6493.4  | 5959.1  | 5466.0  |
| 15°   | 12699.2 | 12555.3 | 11877.2 | 10253.8 | 8877.1  | 7849.6  | 7048.2  | 6287.9  | 5548.2  | 4952.3  | 4397.4  |
| 17.5° | 13295.1 | 13110.1 | 12390.9 | 10541.5 | 8733.2  | 7315.4  | 6246.8  | 5260.5  | 4418.0  | 3781.0  | 3328.9  |
| 20°   | 14363.6 | 14240.3 | 13418.4 | 10973.1 | 8589.4  | 6740.0  | 5424.9  | 4233.1  | 3349.5  | 2856.3  | 2671.3  |
| 22.5° | 15966.4 | 15822.6 | 14939.0 | 11630.6 | 8548.3  | 6226.3  | 4541.3  | 3328.9  | 2691.9  | 2486.4  | 2383.7  |
| 25°   | 17815.8 | 17548.7 | 16726.7 | 12740.2 | 8630.5  | 5753.7  | 3822.1  | 2753.5  | 2404.2  | 2260.4  | 2198.7  |
| 27.5° | 19418.6 | 19254.2 | 18329.5 | 13788.2 | 8671.6  | 5383.8  | 3328.9  | 2507.0  | 2239.8  | 2116.5  | 2075.4  |
| 30°   | 20631.0 | 20569.3 | 19665.2 | 14939.0 | 8568.8  | 4931.7  | 3020.7  | 2404.2  | 2239.8  | 2116.5  | 1993.2  |
| 32.5° | 21843.4 | 21863.9 | 20898.1 | 15822.6 | 8425.0  | 4541.3  | 2733.0  | 2137.1  | 1972.7  | 1890.5  | 1911.0  |
| 35°   | 23096.8 | 23199.6 | 22377.6 | 16685.6 | 8116.8  | 4397.4  | 2527.5  | 1993.2  | 1849.4  | 1726.1  | 1664.5  |
| 37.5° | 24679.1 | 24946.2 | 24144.8 | 17651.4 | 7808.5  | 4274.1  | 2424.8  | 1890.5  | 1746.6  | 1643.9  | 1561.7  |
| 40°   | 25953.1 | 26446.3 | 25973.7 | 18555.6 | 7603.1  | 4130.3  | 2342.6  | 1787.7  | 1685.0  | 1561.7  | 1500.1  |
| 42.5° | 26898.4 | 27473.7 | 27309.3 | 19254.2 | 7603.1  | 3986.5  | 2260.4  | 1726.1  | 1643.9  | 1500.1  | 1417.9  |
| 45°   | 27720.3 | 28316.2 | 28295.7 | 19973.4 | 7767.4  | 3904.3  | 2157.6  | 1726.1  | 1602.8  | 1459.0  | 1376.8  |
| 47.5° | 28460.1 | 29056.0 | 29261.5 | 20877.6 | 8034.6  | 3863.2  | 2034.3  | 1685.0  | 1602.8  | 1438.4  | 1315.1  |
| 50°   | 29261.5 | 29919.0 | 30535.5 | 22316.0 | 8363.4  | 3760.4  | 1952.1  | 1623.4  | 1623.4  | 1417.9  | 1274.0  |
| 52.5° | 30288.9 | 31028.7 | 32158.9 | 24103.7 | 8692.1  | 3575.5  | 1828.8  | 1582.3  | 1623.4  | 1397.3  | 1232.9  |
| 55°   | 31953.4 | 32569.8 | 34049.3 | 26240.8 | 9103.1  | 3349.5  | 1726.1  | 1479.5  | 1541.2  | 1335.7  | 1171.3  |
| 57.5° | 33823.3 | 34357.6 | 35590.5 | 27884.7 | 9226.4  | 3061.8  | 1582.3  | 1376.8  | 1479.5  | 1274.0  | 1089.1  |
| 60°   | 36124.8 | 36391.9 | 36391.9 | 28357.3 | 8815.4  | 2794.6  | 1479.5  | 1294.6  | 1335.7  | 1212.4  | 1027.4  |
| 62.5° | 37583.7 | 37583.7 | 36391.9 | 27494.3 | 8034.6  | 2568.6  | 1397.3  | 1212.4  | 1171.3  | 1130.2  | 965.8   |
| 65°   | 37481.0 | 37316.6 | 35549.4 | 24987.3 | 7130.4  | 2424.8  | 1315.1  | 1109.6  | 1048.0  | 1027.4  | 904.1   |
| 67.5° | 35754.9 | 35467.2 | 33063.0 | 21452.9 | 6185.2  | 2363.1  | 1232.9  | 1006.9  | 965.8   | 924.7   | 822.0   |
| 70°   | 32097.2 | 31357.5 | 28398.4 | 17261.0 | 5260.5  | 2322.0  | 1212.4  | 924.7   | 883.6   | 842.5   | 760.3   |
| 72.5° | 26795.6 | 25850.4 | 22172.1 | 13274.5 | 4418.0  | 2178.2  | 1150.7  | 822.0   | 801.4   | 760.3   | 678.1   |
| 75°   | 20446.0 | 18699.4 | 15473.2 | 10151.1 | 3431.6  | 1890.5  | 986.3   | 719.2   | 719.2   | 698.7   | 616.5   |
| 77.5° | 14096.5 | 13192.3 | 10788.1 | 7500.3  | 2507.0  | 1459.0  | 801.4   | 637.0   | 637.0   | 657.6   | 575.4   |
| 80°   | 9966.2  | 9123.7  | 7685.2  | 5383.8  | 1582.3  | 986.3   | 616.5   | 534.3   | 595.9   | 637.0   | 534.3   |
| 82.5° | 7623.6  | 7007.1  | 5712.6  | 3924.8  | 924.7   | 678.1   | 472.6   | 431.5   | 513.7   | 554.8   | 452.1   |
| 85°   | 5301.6  | 4561.8  | 2897.4  | 2630.2  | 534.3   | 411.0   | 349.3   | 349.3   | 452.1   | 554.8   | 411.0   |
| 87.5° | 1500.1  | 637.0   | 184.9   | 780.9   | 226.0   | 164.4   | 123.3   | 82.2    | 123.3   | 123.3   | 82.2    |
| 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°    | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 |
| 2.5°  | 12740.2 | 12617.0 | 12617.0 | 12575.9 | 12596.4 | 12617.0 | 12596.4 | 12740.2 | 12801.9 | 12884.1 | 13048.5 |
| 5°    | 9781.2  | 9945.6  | 9822.3  | 9945.6  | 10110.0 | 10356.6 | 10418.2 | 10603.2 | 10623.7 | 10767.6 | 10685.4 |
| 7.5°  | 7253.7  | 7233.2  | 7130.4  | 7274.3  | 7726.3  | 8075.7  | 8240.1  | 8342.8  | 8363.4  | 8363.4  | 8260.6  |
| 10°   | 6144.1  | 5959.1  | 5774.2  | 5671.5  | 5712.6  | 6082.4  | 6205.7  | 6267.4  | 6226.3  | 6287.9  | 6205.7  |
| 12.5° | 5260.5  | 5096.1  | 4829.0  | 4644.0  | 4520.7  | 4623.5  | 4746.8  | 4808.4  | 4849.5  | 4952.3  | 5034.5  |
| 15°   | 4274.1  | 4109.8  | 3945.4  | 3842.6  | 3739.9  | 3657.7  | 3760.4  | 3822.1  | 3924.8  | 4007.0  | 4048.1  |
| 17.5° | 3246.7  | 3164.5  | 3082.3  | 3144.0  | 3144.0  | 3102.9  | 3144.0  | 3164.5  | 3205.6  | 3267.3  | 3246.7  |
| 20°   | 2630.2  | 2609.7  | 2589.1  | 2691.9  | 2774.1  | 2774.1  | 2815.2  | 2753.5  | 2733.0  | 2671.3  | 2650.8  |
| 22.5° | 2342.6  | 2342.6  | 2363.1  | 2445.3  | 2527.5  | 2568.6  | 2568.6  | 2465.9  | 2363.1  | 2322.0  | 2342.6  |
| 25°   | 2178.2  | 2178.2  | 2239.8  | 2260.4  | 2301.5  | 2301.5  | 2322.0  | 2219.3  | 2157.6  | 2096.0  | 2116.5  |
| 27.5° | 2054.9  | 2054.9  | 2075.4  | 2075.4  | 2096.0  | 2096.0  | 2116.5  | 2075.4  | 1993.2  | 1972.7  | 1972.7  |
| 30°   | 1972.7  | 1972.7  | 1952.1  | 1952.1  | 1952.1  | 1952.1  | 1972.7  | 1911.0  | 1869.9  | 1849.4  | 1849.4  |
| 32.5° | 1890.5  | 1869.9  | 1849.4  | 1849.4  | 1828.8  | 1828.8  | 1849.4  | 1787.7  | 1767.2  | 1767.2  | 1767.2  |
| 35°   | 1643.9  | 1623.4  | 1643.9  | 1685.0  | 1685.0  | 1705.5  | 1705.5  | 1685.0  | 1643.9  | 1602.8  | 1582.3  |
| 37.5° | 1541.2  | 1520.6  | 1520.6  | 1520.6  | 1561.7  | 1582.3  | 1602.8  | 1561.7  | 1500.1  | 1438.4  | 1438.4  |
| 40°   | 1459.0  | 1459.0  | 1438.4  | 1438.4  | 1438.4  | 1479.5  | 1520.6  | 1459.0  | 1376.8  | 1356.2  | 1356.2  |
| 42.5° | 1397.3  | 1376.8  | 1356.2  | 1335.7  | 1315.1  | 1376.8  | 1417.9  | 1335.7  | 1294.6  | 1294.6  | 1294.6  |
| 45°   | 1335.7  | 1315.1  | 1294.6  | 1274.0  | 1253.5  | 1274.0  | 1315.1  | 1232.9  | 1212.4  | 1212.4  | 1212.4  |
| 47.5° | 1274.0  | 1253.5  | 1212.4  | 1191.8  | 1171.3  | 1171.3  | 1212.4  | 1150.7  | 1130.2  | 1150.7  | 1150.7  |
| 50°   | 1232.9  | 1191.8  | 1150.7  | 1130.2  | 1109.6  | 1109.6  | 1109.6  | 1089.1  | 1089.1  | 1089.1  | 1109.6  |
| 52.5° | 1191.8  | 1150.7  | 1089.1  | 1068.5  | 1048.0  | 1048.0  | 1048.0  | 1048.0  | 1027.4  | 1048.0  | 1068.5  |
| 55°   | 1130.2  | 1089.1  | 1048.0  | 1027.4  | 1006.9  | 986.3   | 1006.9  | 986.3   | 986.3   | 1006.9  | 1006.9  |
| 57.5° | 1048.0  | 1006.9  | 965.8   | 965.8   | 945.2   | 945.2   | 965.8   | 945.2   | 945.2   | 965.8   | 965.8   |
| 60°   | 986.3   | 945.2   | 904.1   | 904.1   | 883.6   | 904.1   | 924.7   | 904.1   | 904.1   | 904.1   | 924.7   |
| 62.5° | 904.1   | 883.6   | 842.5   | 842.5   | 842.5   | 842.5   | 863.0   | 842.5   | 863.0   | 863.0   | 863.0   |
| 65°   | 842.5   | 801.4   | 780.9   | 780.9   | 780.9   | 780.9   | 822.0   | 780.9   | 801.4   | 801.4   | 801.4   |
| 67.5° | 780.9   | 739.8   | 719.2   | 719.2   | 719.2   | 719.2   | 760.3   | 719.2   | 739.8   | 760.3   | 739.8   |
| 70°   | 719.2   | 678.1   | 657.6   | 657.6   | 657.6   | 657.6   | 678.1   | 657.6   | 657.6   | 678.1   | 678.1   |
| 72.5° | 637.0   | 616.5   | 595.9   | 595.9   | 575.4   | 595.9   | 616.5   | 595.9   | 595.9   | 595.9   | 595.9   |
| 75°   | 575.4   | 554.8   | 554.8   | 534.3   | 534.3   | 534.3   | 554.8   | 513.7   | 513.7   | 513.7   | 513.7   |
| 77.5° | 534.3   | 493.2   | 493.2   | 493.2   | 472.6   | 493.2   | 472.6   | 431.5   | 431.5   | 431.5   | 431.5   |
| 80°   | 452.1   | 411.0   | 431.5   | 431.5   | 411.0   | 411.0   | 390.4   | 349.3   | 349.3   | 349.3   | 349.3   |
| 82.5° | 369.9   | 328.8   | 349.3   | 349.3   | 349.3   | 349.3   | 308.2   | 287.7   | 267.1   | 246.6   | 246.6   |
| 85°   | 328.8   | 267.1   | 308.2   | 308.2   | 287.7   | 287.7   | 205.5   | 205.5   | 164.4   | 164.4   | 143.8   |
| 87.5° | 61.6    | 41.1    | 82.2    | 102.7   | 102.7   | 123.3   | 82.2    | 102.7   | 61.6    | 41.1    | 41.1    |
| 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°    | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 |
| 2.5°  | 13027.9 | 13254.0 | 13562.2 | 13788.2 | 14137.6 | 14404.7 | 14815.7 | 15165.0 | 15493.8 | 15637.6 | 15781.5 |
| 5°    | 10932.0 | 11075.8 | 11548.4 | 11918.3 | 12473.1 | 13069.0 | 13808.8 | 14610.2 | 15432.1 | 15802.0 | 16233.5 |
| 7.5°  | 8178.4  | 8445.6  | 8712.7  | 9247.0  | 9925.1  | 10890.9 | 11836.1 | 13027.9 | 14178.7 | 14733.5 | 15473.2 |
| 10°   | 6349.6  | 6555.1  | 6863.3  | 7418.1  | 8055.1  | 8856.5  | 9986.7  | 11404.6 | 12781.3 | 13500.6 | 14260.9 |
| 12.5° | 5096.1  | 5383.8  | 5794.8  | 6370.1  | 7109.9  | 7931.8  | 8753.8  | 10068.9 | 11671.7 | 12493.7 | 13356.7 |
| 15°   | 4130.3  | 4356.3  | 4808.4  | 5527.6  | 6390.7  | 7233.2  | 8096.2  | 9185.3  | 10932.0 | 11877.2 | 12904.6 |
| 17.5° | 3287.8  | 3452.2  | 3863.2  | 4582.4  | 5445.4  | 6390.7  | 7377.0  | 8753.8  | 10685.4 | 11836.1 | 13048.5 |
| 20°   | 2671.3  | 2794.6  | 3061.8  | 3596.0  | 4418.0  | 5445.4  | 6678.4  | 8342.8  | 10829.2 | 12308.7 | 13788.2 |
| 22.5° | 2342.6  | 2383.7  | 2507.0  | 2794.6  | 3472.7  | 4561.8  | 6041.3  | 7993.5  | 11096.3 | 13007.4 | 15000.6 |
| 25°   | 2116.5  | 2157.6  | 2198.7  | 2383.7  | 2774.1  | 3801.5  | 5486.5  | 7788.0  | 11671.7 | 14034.8 | 16397.9 |
| 27.5° | 1972.7  | 2013.8  | 2034.3  | 2116.5  | 2383.7  | 3246.7  | 5013.9  | 7664.7  | 12452.6 | 15534.9 | 18124.0 |
| 30°   | 1849.4  | 1849.4  | 1911.0  | 2034.3  | 2219.3  | 2856.3  | 4602.9  | 7377.0  | 13274.5 | 16788.4 | 19480.3 |
| 32.5° | 1746.6  | 1767.2  | 1849.4  | 1911.0  | 2034.3  | 2527.5  | 4192.0  | 7007.1  | 14014.3 | 17815.8 | 20815.9 |
| 35°   | 1561.7  | 1561.7  | 1582.3  | 1685.0  | 1849.4  | 2260.4  | 3822.1  | 6637.3  | 14425.2 | 18822.7 | 22007.8 |
| 37.5° | 1438.4  | 1459.0  | 1500.1  | 1582.3  | 1726.1  | 2075.4  | 3513.8  | 6226.3  | 14856.8 | 19767.9 | 23405.1 |
| 40°   | 1356.2  | 1376.8  | 1417.9  | 1500.1  | 1643.9  | 1911.0  | 3246.7  | 5897.5  | 15308.8 | 20795.4 | 24905.1 |
| 42.5° | 1294.6  | 1315.1  | 1356.2  | 1438.4  | 1561.7  | 1869.9  | 2959.0  | 5630.4  | 15576.0 | 21740.6 | 26323.0 |
| 45°   | 1232.9  | 1253.5  | 1315.1  | 1397.3  | 1500.1  | 1828.8  | 2794.6  | 5445.4  | 15678.7 | 22377.6 | 27453.2 |
| 47.5° | 1171.3  | 1191.8  | 1253.5  | 1376.8  | 1500.1  | 1767.2  | 2733.0  | 5342.7  | 15760.9 | 23096.8 | 28357.3 |
| 50°   | 1109.6  | 1150.7  | 1232.9  | 1356.2  | 1520.6  | 1685.0  | 2691.9  | 5322.1  | 16233.5 | 24021.5 | 29220.4 |
| 52.5° | 1068.5  | 1130.2  | 1212.4  | 1356.2  | 1500.1  | 1561.7  | 2671.3  | 5383.8  | 17178.8 | 25398.3 | 30453.3 |
| 55°   | 1027.4  | 1089.1  | 1171.3  | 1356.2  | 1438.4  | 1459.0  | 2568.6  | 5486.5  | 18617.2 | 27309.3 | 32200.0 |
| 57.5° | 986.3   | 1027.4  | 1130.2  | 1315.1  | 1356.2  | 1376.8  | 2363.1  | 5630.4  | 20055.6 | 29179.3 | 33987.7 |
| 60°   | 924.7   | 965.8   | 1068.5  | 1315.1  | 1232.9  | 1294.6  | 2096.0  | 5671.5  | 21083.1 | 29775.2 | 34152.1 |
| 62.5° | 863.0   | 904.1   | 1006.9  | 1356.2  | 1130.2  | 1212.4  | 1869.9  | 5527.6  | 21288.5 | 28912.1 | 33227.4 |
| 65°   | 801.4   | 842.5   | 924.7   | 1130.2  | 1048.0  | 1130.2  | 1726.1  | 5137.2  | 20610.4 | 26939.5 | 31542.4 |
| 67.5° | 739.8   | 780.9   | 842.5   | 924.7   | 945.2   | 1027.4  | 1664.5  | 4520.7  | 18904.9 | 24494.2 | 29240.9 |
| 70°   | 657.6   | 698.7   | 760.3   | 822.0   | 842.5   | 965.8   | 1561.7  | 3924.8  | 16151.3 | 21226.9 | 26425.7 |
| 72.5° | 595.9   | 616.5   | 678.1   | 719.2   | 760.3   | 883.6   | 1500.1  | 3431.6  | 12349.8 | 17178.8 | 21555.7 |
| 75°   | 513.7   | 513.7   | 575.4   | 616.5   | 657.6   | 780.9   | 1376.8  | 2856.3  | 8712.7  | 13110.1 | 15843.1 |
| 77.5° | 431.5   | 431.5   | 472.6   | 513.7   | 554.8   | 678.1   | 1171.3  | 2322.0  | 6041.3  | 10397.7 | 11486.8 |
| 80°   | 328.8   | 328.8   | 369.9   | 411.0   | 452.1   | 575.4   | 945.2   | 1705.5  | 3739.9  | 7603.1  | 8363.4  |
| 82.5° | 226.0   | 226.0   | 287.7   | 308.2   | 328.8   | 452.1   | 719.2   | 1171.3  | 2198.7  | 5486.5  | 5979.7  |
| 85°   | 123.3   | 123.3   | 164.4   | 184.9   | 226.0   | 328.8   | 534.3   | 822.0   | 1315.1  | 3965.9  | 3986.5  |
| 87.5° | 20.5    | 20.5    | 61.6    | 61.6    | 102.7   | 164.4   | 308.2   | 452.1   | 739.8   | 2198.7  | 1397.3  |
| 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):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 | 14671.8 |
| 2.5°  | 16048.6 | 16274.6 | 16295.2 | 16295.2 | 16192.4 | 16213.0 | 15925.3 | 15617.1 | 15514.3 | 15493.8 |
| 5°    | 16891.1 | 17487.0 | 17651.4 | 17733.6 | 17466.5 | 17055.5 | 16315.7 | 15514.3 | 15103.4 | 15041.7 |
| 7.5°  | 16726.7 | 17918.5 | 18555.6 | 18637.8 | 18103.5 | 17137.7 | 15843.1 | 14610.2 | 14137.6 | 14014.3 |
| 10°   | 15760.9 | 17363.7 | 18514.5 | 18802.1 | 18226.8 | 16993.8 | 15308.8 | 13870.4 | 13295.1 | 13192.3 |
| 12.5° | 15082.8 | 16624.0 | 17754.2 | 18144.6 | 17877.4 | 16808.9 | 15041.7 | 13397.8 | 12822.4 | 12678.6 |
| 15°   | 14712.9 | 16130.8 | 16870.6 | 16993.8 | 16973.3 | 16521.2 | 15041.7 | 13500.6 | 12863.5 | 12699.2 |
| 17.5° | 15021.2 | 15987.0 | 16089.7 | 15802.0 | 15966.4 | 16192.4 | 15370.5 | 14055.4 | 13438.9 | 13295.1 |
| 20°   | 15637.6 | 15925.3 | 15432.1 | 15000.6 | 15082.8 | 15802.0 | 15884.2 | 15103.4 | 14610.2 | 14363.6 |
| 22.5° | 16932.2 | 16151.3 | 15021.2 | 14425.2 | 14486.9 | 15493.8 | 16562.3 | 16521.2 | 16089.7 | 15966.4 |
| 25°   | 18247.3 | 16788.4 | 14897.9 | 14199.2 | 14281.4 | 15432.1 | 17363.7 | 18103.5 | 17877.4 | 17815.8 |
| 27.5° | 19706.3 | 17856.9 | 14980.1 | 14096.5 | 14199.2 | 15514.3 | 17918.5 | 19439.2 | 19480.3 | 19418.6 |
| 30°   | 20692.6 | 18370.6 | 15226.7 | 14219.8 | 14363.6 | 15719.8 | 18041.8 | 20240.6 | 20610.4 | 20631.0 |
| 32.5° | 21514.6 | 18884.3 | 15740.4 | 14425.2 | 14671.8 | 16089.7 | 18370.6 | 21000.9 | 21822.8 | 21843.4 |
| 35°   | 22172.1 | 19459.7 | 16377.4 | 14795.1 | 15165.0 | 16706.2 | 18802.1 | 21720.1 | 22953.0 | 23096.8 |
| 37.5° | 23014.6 | 20096.7 | 17117.1 | 15596.5 | 16007.5 | 17589.8 | 19562.4 | 22562.6 | 24288.7 | 24679.1 |
| 40°   | 23918.8 | 20733.7 | 18185.7 | 16891.1 | 17487.0 | 18904.9 | 20425.5 | 23507.8 | 25418.9 | 25953.1 |
| 42.5° | 24925.7 | 21411.8 | 19398.1 | 18637.8 | 19541.9 | 20569.3 | 21411.8 | 24370.9 | 26281.9 | 26898.4 |
| 45°   | 25912.0 | 22233.8 | 21165.3 | 21021.4 | 22028.3 | 22542.0 | 22377.6 | 24987.3 | 27103.9 | 27720.3 |
| 47.5° | 26610.7 | 23425.6 | 23302.3 | 24165.4 | 25110.6 | 24843.5 | 23507.8 | 25439.4 | 27782.0 | 28460.1 |
| 50°   | 27247.7 | 24905.1 | 25994.2 | 27679.2 | 28254.6 | 27350.4 | 24720.2 | 26055.9 | 28501.2 | 29261.5 |
| 52.5° | 28192.9 | 26487.4 | 28768.3 | 30864.3 | 31419.1 | 29980.7 | 26035.3 | 27062.8 | 29610.8 | 30288.9 |
| 55°   | 30124.5 | 28275.1 | 31665.7 | 34069.9 | 34172.6 | 32384.9 | 27802.5 | 28768.3 | 31172.5 | 31953.4 |
| 57.5° | 32282.1 | 30473.9 | 33967.1 | 36720.7 | 36679.6 | 34789.1 | 29795.7 | 31069.8 | 33289.0 | 33823.3 |
| 60°   | 34234.3 | 32693.1 | 36474.1 | 38611.2 | 38508.4 | 36535.7 | 32117.8 | 33679.5 | 35713.8 | 36124.8 |
| 62.5° | 35385.0 | 34706.9 | 37583.7 | 39207.1 | 38816.7 | 37111.1 | 34090.4 | 36001.5 | 37439.9 | 37583.7 |
| 65°   | 35200.1 | 35857.6 | 36289.2 | 37296.1 | 36741.2 | 35508.3 | 35056.2 | 37481.0 | 37624.8 | 37481.0 |
| 67.5° | 33802.8 | 35200.1 | 32734.2 | 32837.0 | 32549.3 | 31501.3 | 33556.2 | 37090.6 | 36104.2 | 35754.9 |
| 70°   | 31686.2 | 31789.0 | 27371.0 | 26076.4 | 26528.5 | 25090.1 | 28788.9 | 34049.3 | 32528.7 | 32097.2 |
| 72.5° | 28172.4 | 26898.4 | 20692.6 | 19377.5 | 20055.6 | 19028.2 | 23096.8 | 29672.5 | 28192.9 | 26795.6 |
| 75°   | 23631.1 | 21309.1 | 15760.9 | 13891.0 | 14240.3 | 14199.2 | 17898.0 | 24514.7 | 21843.4 | 20446.0 |
| 77.5° | 18309.0 | 16603.4 | 11630.6 | 10911.4 | 10541.5 | 10623.7 | 12493.7 | 18226.8 | 15843.1 | 14096.5 |
| 80°   | 13377.3 | 11610.1 | 9000.4  | 9411.3  | 9205.9  | 8712.7  | 8753.8  | 12206.0 | 11014.2 | 9966.2  |
| 82.5° | 9247.0  | 8260.6  | 7294.8  | 8240.1  | 7746.9  | 6986.6  | 6822.2  | 8794.9  | 8260.6  | 7623.6  |
| 85°   | 6205.7  | 6801.6  | 5794.8  | 6308.5  | 5466.0  | 5034.5  | 6411.2  | 7356.5  | 5938.6  | 5301.6  |
| 87.5° | 4048.1  | 6226.3  | 4171.4  | 3164.5  | 1808.3  | 2424.8  | 3924.8  | 4829.0  | 2774.1  | 1500.1  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)