

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: P599463

Luminaire Tested: **IFLD-S-SA3B-735-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599463  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3B-735-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (48) 3500K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

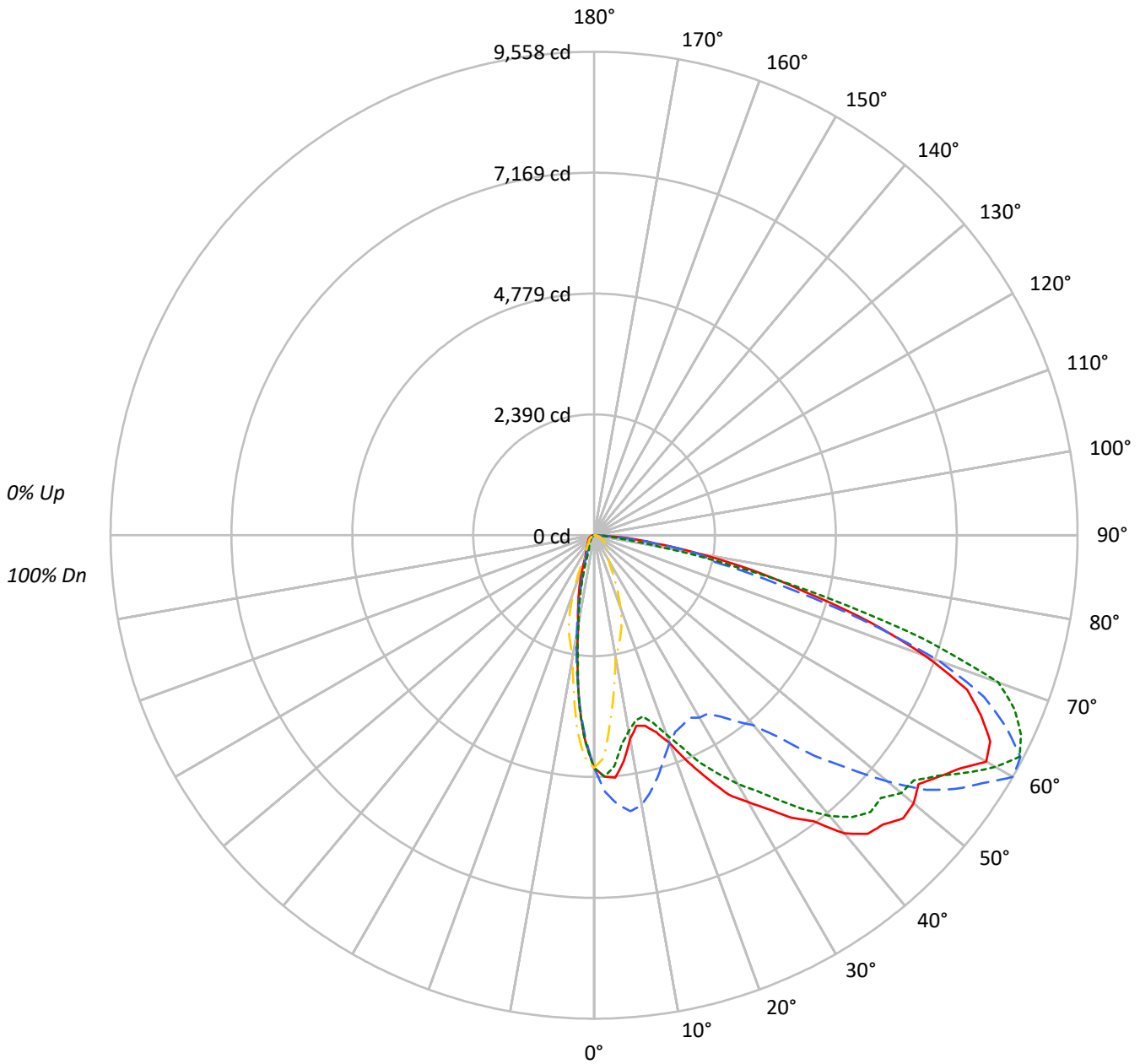
Lumens per Lamp: N/A  
 Luminaire Lumens: 12223.5 lumens  
 Efficiency: N/A  
 Efficacy: 99.9 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 122.4  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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 | 100 | 100 | 100 | 100 |
| 1   | 106 | 100 | 95  | 90  | 103 | 98  | 93  | 89  | 94  | 90  | 86  | 90  | 86  | 83  | 86  | 83  | 81  | 79  | 79  | 79  | 79  |
| 2   | 94  | 84  | 76  | 69  | 91  | 82  | 75  | 68  | 78  | 72  | 66  | 75  | 70  | 65  | 72  | 67  | 63  | 61  | 61  | 61  | 61  |
| 3   | 84  | 72  | 62  | 54  | 81  | 70  | 61  | 53  | 67  | 59  | 52  | 64  | 57  | 51  | 61  | 55  | 50  | 48  | 48  | 48  | 48  |
| 4   | 76  | 62  | 51  | 44  | 73  | 60  | 51  | 43  | 58  | 49  | 43  | 55  | 48  | 42  | 53  | 46  | 41  | 39  | 39  | 39  | 39  |
| 5   | 69  | 54  | 44  | 36  | 67  | 53  | 43  | 36  | 51  | 42  | 35  | 48  | 41  | 35  | 46  | 40  | 34  | 32  | 32  | 32  | 32  |
| 6   | 63  | 48  | 38  | 30  | 61  | 47  | 37  | 30  | 45  | 36  | 30  | 43  | 35  | 30  | 41  | 35  | 29  | 27  | 27  | 27  | 27  |
| 7   | 58  | 43  | 33  | 26  | 56  | 42  | 33  | 26  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 25  | 23  | 23  | 23  | 23  |
| 8   | 54  | 39  | 29  | 23  | 52  | 38  | 29  | 23  | 37  | 28  | 23  | 35  | 28  | 22  | 34  | 27  | 22  | 20  | 20  | 20  | 20  |
| 9   | 50  | 35  | 26  | 20  | 49  | 35  | 26  | 20  | 34  | 26  | 20  | 32  | 25  | 20  | 31  | 25  | 20  | 18  | 18  | 18  | 18  |
| 10  | 47  | 33  | 24  | 18  | 46  | 32  | 24  | 18  | 31  | 23  | 18  | 30  | 23  | 18  | 29  | 23  | 18  | 16  | 16  | 16  | 16  |

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

|     | 0°     | 90°    | 180°  | 270°  |
|-----|--------|--------|-------|-------|
| 0°  | 65961  | 65961  | 65961 | 65961 |
| 5°  | 69316  | 65977  | 48202 | 48484 |
| 10° | 59605  | 57321  | 26354 | 25735 |
| 15° | 57957  | 55096  | 17121 | 12901 |
| 20° | 66804  | 64012  | 9173  | 4586  |
| 25° | 83997  | 78570  | 5945  | 3566  |
| 30° | 100886 | 94015  | 4814  | 2922  |
| 35° | 119470 | 112092 | 3946  | 2344  |
| 40° | 144142 | 135702 | 3487  | 1774  |
| 45° | 164106 | 156950 | 3245  | 1193  |
| 50° | 184098 | 176955 | 3206  | 728   |
| 55° | 208191 | 207455 | 3185  | 328   |
| 60° | 256910 | 263001 | 2905  | 95    |
| 65° | 286659 | 316142 | 2659  | 0     |
| 70° | 292300 | 356812 | 2467  | 0     |
| 75° | 237837 | 263178 | 2351  | 0     |
| 80° | 172927 | 110072 | 2430  | 0     |
| 85° | 111794 | 46223  | 3228  | 0     |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 349.1   | 2.9       |
| 10°-20°   | 684.7   | 5.6       |
| 20°-30°   | 947.5   | 7.8       |
| 30°-40°   | 1339.0  | 11.0      |
| 40°-50°   | 1823.1  | 14.9      |
| 50°-60°   | 2414.6  | 19.8      |
| 60°-70°   | 2803.5  | 22.9      |
| 70°-80°   | 1587.7  | 13.0      |
| 80°-90°   | 274.3   | 2.2       |
| 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°    | 1981.3  | 16.2      |
| 0°-40°    | 3320.3  | 27.2      |
| 0°-60°    | 7558.0  | 61.8      |
| 0°-90°    | 12223.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 12223.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4596 | 4596 | 4596 | 4596 | 4596 |      |
| 5°  | 4811 | 4580 | 3346 | 3365 | 4811 | 432  |
| 15° | 3901 | 3708 | 1152 | 868  | 3901 | 1144 |
| 25° | 5304 | 4962 | 375  | 225  | 5304 | 2474 |
| 35° | 6819 | 6398 | 225  | 134  | 6819 | 4299 |
| 45° | 8085 | 7733 | 160  | 59   | 8085 | 6268 |
| 55° | 8320 | 8291 | 127  | 13   | 8320 | 7538 |
| 65° | 8441 | 9309 | 78   | 0    | 8441 | 8229 |
| 75° | 4289 | 4746 | 42   | 0    | 4289 | 4681 |
| 85° | 679  | 281  | 20   | 0    | 679  | 816  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0  |
| 2.5°  | 4775.5 | 4876.7 | 4879.9 | 4925.6 | 4971.3 | 4971.3 | 5079.1 | 5052.9 | 4958.3 | 4942.0 | 4873.4  |
| 5°    | 4811.4 | 4847.3 | 4873.4 | 5105.2 | 5301.0 | 5281.4 | 5340.2 | 5301.0 | 5118.2 | 4883.2 | 4723.3  |
| 7.5°  | 4501.3 | 4540.5 | 4644.9 | 5039.9 | 5304.3 | 5392.4 | 5503.4 | 5258.6 | 5066.0 | 4641.7 | 4334.8  |
| 10°   | 4090.0 | 4165.1 | 4357.7 | 4808.1 | 5134.6 | 5415.3 | 5415.3 | 5219.4 | 4847.3 | 4432.8 | 4057.4  |
| 12.5° | 3861.5 | 4011.7 | 4116.1 | 4573.1 | 4997.5 | 5190.0 | 5183.5 | 5079.1 | 4837.5 | 4315.2 | 3890.9  |
| 15°   | 3900.7 | 3943.1 | 4165.1 | 4520.9 | 4801.6 | 4791.8 | 4909.3 | 4876.7 | 4706.9 | 4419.7 | 3952.9  |
| 17.5° | 4080.2 | 4145.5 | 4338.1 | 4520.9 | 4654.7 | 4615.5 | 4612.3 | 4769.0 | 4778.8 | 4596.0 | 4184.7  |
| 20°   | 4374.0 | 4566.6 | 4658.0 | 4713.5 | 4550.3 | 4383.8 | 4364.2 | 4582.9 | 4752.6 | 4821.2 | 4462.1  |
| 22.5° | 4844.0 | 4971.3 | 5157.4 | 4873.4 | 4449.1 | 4240.2 | 4201.0 | 4442.5 | 4785.3 | 5088.9 | 4821.2  |
| 25°   | 5304.3 | 5402.2 | 5581.7 | 5216.2 | 4563.3 | 4210.8 | 4142.2 | 4351.2 | 4909.3 | 5461.0 | 5255.3  |
| 27.5° | 5790.7 | 5875.5 | 5895.1 | 5467.5 | 4625.3 | 4152.0 | 4070.4 | 4351.2 | 5013.8 | 5656.8 | 5774.3  |
| 30°   | 6087.7 | 6188.9 | 6208.5 | 5689.5 | 4726.5 | 4201.0 | 4161.8 | 4370.7 | 5085.6 | 5823.3 | 6146.4  |
| 32.5° | 6420.6 | 6446.8 | 6430.4 | 5728.6 | 4837.5 | 4344.6 | 4181.4 | 4501.3 | 5167.2 | 6022.4 | 6485.9  |
| 35°   | 6818.9 | 6864.6 | 6698.1 | 5908.2 | 5085.6 | 4436.0 | 4377.3 | 4661.2 | 5307.6 | 6113.8 | 6897.2  |
| 37.5° | 7122.4 | 7266.1 | 6890.7 | 5976.7 | 5134.6 | 4628.6 | 4638.4 | 4994.2 | 5405.5 | 6224.8 | 7350.9  |
| 40°   | 7693.7 | 7452.1 | 7217.1 | 6211.7 | 5320.6 | 4955.0 | 4902.8 | 5336.9 | 5735.2 | 6296.6 | 7648.0  |
| 42.5° | 8007.0 | 7879.7 | 7344.4 | 6234.6 | 5607.9 | 5405.5 | 5418.5 | 5725.4 | 5908.2 | 6499.0 | 7729.6  |
| 45°   | 8085.4 | 7951.5 | 7517.4 | 6250.9 | 5891.8 | 5937.5 | 6162.8 | 6221.5 | 6162.8 | 6632.8 | 7883.0  |
| 47.5° | 8284.5 | 7994.0 | 7497.8 | 6469.6 | 6352.1 | 6528.4 | 6815.6 | 6942.9 | 6508.8 | 6583.8 | 7954.8  |
| 50°   | 8245.3 | 8078.8 | 7455.4 | 6561.0 | 6913.5 | 7380.3 | 7572.9 | 7520.7 | 6893.9 | 6482.7 | 7876.5  |
| 52.5° | 8082.1 | 7902.6 | 7586.0 | 6809.1 | 7439.1 | 8003.8 | 8271.4 | 8140.9 | 7236.7 | 6711.2 | 7824.2  |
| 55°   | 8320.4 | 8183.3 | 7755.7 | 7145.3 | 7834.0 | 8552.2 | 8741.5 | 8643.5 | 7657.8 | 6923.3 | 8121.3  |
| 57.5° | 8578.3 | 8548.9 | 8215.9 | 7540.3 | 8300.8 | 9116.9 | 9116.9 | 8996.1 | 8023.4 | 7230.2 | 8561.9  |
| 60°   | 8950.4 | 9015.7 | 8555.4 | 7801.4 | 8460.8 | 9084.2 | 9557.5 | 9417.2 | 8392.2 | 7768.7 | 9061.4  |
| 62.5° | 8829.6 | 9038.5 | 8992.8 | 8362.8 | 8643.5 | 9244.2 | 9502.0 | 9606.5 | 8849.2 | 8424.8 | 9727.3  |
| 65°   | 8441.2 | 8663.1 | 8989.6 | 8731.7 | 8506.5 | 8855.7 | 8986.3 | 9302.9 | 9077.7 | 9041.8 | 10001.4 |
| 67.5° | 7977.7 | 8219.2 | 8421.6 | 8979.8 | 8229.0 | 8460.8 | 8346.5 | 8447.7 | 8829.6 | 9717.5 | 10158.1 |
| 70°   | 6965.8 | 7197.5 | 7517.4 | 8428.1 | 7494.6 | 7285.6 | 7256.3 | 7207.3 | 7801.4 | 9475.9 | 9446.5  |
| 72.5° | 5728.6 | 5836.4 | 6365.1 | 6851.5 | 5545.8 | 5506.7 | 5552.4 | 5496.9 | 6185.6 | 8578.3 | 8091.9  |
| 75°   | 4289.1 | 4396.8 | 4697.2 | 5261.9 | 3776.7 | 3551.4 | 3812.6 | 4070.4 | 4723.3 | 6658.9 | 5813.5  |
| 77.5° | 3225.0 | 3362.1 | 3551.4 | 3936.6 | 2771.3 | 2418.8 | 2454.7 | 2699.5 | 3414.3 | 5333.7 | 3257.7  |
| 80°   | 2092.3 | 2076.0 | 2441.6 | 2709.3 | 2085.8 | 2151.1 | 2059.7 | 2239.2 | 2474.2 | 2852.9 | 1664.7  |
| 82.5° | 1207.7 | 1224.1 | 1377.5 | 1553.7 | 1452.6 | 1661.5 | 1198.0 | 2000.9 | 1765.9 | 1162.0 | 620.2   |
| 85°   | 678.9  | 708.3  | 848.7  | 1077.2 | 910.7  | 610.4  | 499.4  | 992.3  | 1109.8 | 476.6  | 300.3   |
| 87.5° | 68.5   | 58.8   | 114.2  | 408.0  | 248.1  | 101.2  | 150.2  | 238.3  | 267.7  | 179.5  | 88.1    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 |
| 2.5°  | 4775.5 | 4775.5 | 4693.9 | 4556.8 | 4501.3 | 4403.4 | 4269.5 | 4312.0 | 4266.3 | 4099.8 | 4057.4 |
| 5°    | 4579.6 | 4423.0 | 4253.2 | 4044.3 | 3923.5 | 3675.5 | 3597.1 | 3456.8 | 3479.6 | 3339.3 | 3345.8 |
| 7.5°  | 4171.6 | 4047.6 | 3760.3 | 3486.1 | 3247.9 | 3032.4 | 2728.9 | 2614.6 | 2503.6 | 2448.1 | 2513.4 |
| 10°   | 3933.3 | 3701.6 | 3309.9 | 2950.8 | 2634.2 | 2441.6 | 2239.2 | 2082.5 | 1938.9 | 1831.2 | 1808.4 |
| 12.5° | 3760.3 | 3554.7 | 3081.4 | 2644.0 | 2395.9 | 2239.2 | 2053.2 | 1837.7 | 1697.4 | 1511.3 | 1455.8 |
| 15°   | 3708.1 | 3456.8 | 2957.3 | 2523.2 | 2281.7 | 2023.8 | 1811.6 | 1599.4 | 1416.7 | 1220.8 | 1152.3 |
| 17.5° | 3887.6 | 3597.1 | 2954.1 | 2425.3 | 2085.8 | 1808.4 | 1514.6 | 1276.3 | 1090.2 | 910.7  | 868.3  |
| 20°   | 4191.2 | 3747.3 | 3048.7 | 2366.5 | 1899.8 | 1527.6 | 1194.7 | 956.4  | 747.5  | 630.0  | 600.6  |
| 22.5° | 4537.2 | 4001.9 | 3058.5 | 2209.8 | 1713.7 | 1246.9 | 871.5  | 630.0  | 512.5  | 457.0  | 440.7  |
| 25°   | 4961.6 | 4409.9 | 3176.0 | 2082.5 | 1495.0 | 946.6  | 620.2  | 483.1  | 414.6  | 381.9  | 375.4  |
| 27.5° | 5310.8 | 4693.9 | 3303.3 | 1948.7 | 1279.6 | 701.8  | 486.4  | 395.0  | 359.1  | 326.4  | 323.2  |
| 30°   | 5673.1 | 5020.3 | 3339.3 | 1867.1 | 1093.5 | 577.8  | 417.8  | 349.3  | 310.1  | 293.8  | 290.5  |
| 32.5° | 5989.8 | 5376.1 | 3453.5 | 1733.3 | 917.2  | 509.2  | 378.6  | 313.4  | 287.2  | 261.1  | 257.9  |
| 35°   | 6397.8 | 5581.7 | 3509.0 | 1661.5 | 852.0  | 460.2  | 346.0  | 287.2  | 248.1  | 231.8  | 225.2  |
| 37.5° | 6835.2 | 5780.9 | 3544.9 | 1606.0 | 796.5  | 430.9  | 326.4  | 270.9  | 235.0  | 212.2  | 205.6  |
| 40°   | 7243.2 | 6061.6 | 3492.7 | 1537.4 | 754.0  | 395.0  | 313.4  | 251.3  | 218.7  | 195.9  | 186.1  |
| 42.5° | 7556.6 | 6335.8 | 3476.4 | 1472.1 | 708.3  | 381.9  | 297.0  | 241.5  | 205.6  | 179.5  | 176.3  |
| 45°   | 7732.8 | 6521.8 | 3362.1 | 1419.9 | 672.4  | 388.4  | 290.5  | 228.5  | 195.9  | 173.0  | 159.9  |
| 47.5° | 7690.4 | 6665.5 | 3391.5 | 1403.6 | 623.5  | 362.3  | 287.2  | 218.7  | 179.5  | 159.9  | 150.2  |
| 50°   | 7925.4 | 6956.0 | 3342.5 | 1351.4 | 587.6  | 326.4  | 313.4  | 218.7  | 176.3  | 153.4  | 143.6  |
| 52.5° | 7964.6 | 7220.4 | 3447.0 | 1256.7 | 532.1  | 300.3  | 310.1  | 215.4  | 169.7  | 146.9  | 133.8  |
| 55°   | 8291.0 | 7527.2 | 3649.4 | 1204.5 | 486.4  | 261.1  | 284.0  | 208.9  | 153.4  | 133.8  | 127.3  |
| 57.5° | 8734.9 | 8163.7 | 3779.9 | 1155.5 | 424.3  | 228.5  | 238.3  | 205.6  | 140.4  | 124.0  | 114.2  |
| 60°   | 9162.6 | 8418.3 | 3789.7 | 1067.4 | 365.6  | 205.6  | 186.1  | 205.6  | 130.6  | 111.0  | 101.2  |
| 62.5° | 9482.4 | 8418.3 | 3724.4 | 992.3  | 319.9  | 182.8  | 163.2  | 195.9  | 117.5  | 97.9   | 91.4   |
| 65°   | 9309.4 | 8193.1 | 3554.7 | 930.3  | 290.5  | 159.9  | 140.4  | 150.2  | 104.5  | 84.9   | 78.3   |
| 67.5° | 8999.3 | 7491.3 | 3179.3 | 855.2  | 287.2  | 140.4  | 120.8  | 111.0  | 91.4   | 75.1   | 68.5   |
| 70°   | 8503.2 | 6544.7 | 2647.2 | 770.3  | 280.7  | 127.3  | 107.7  | 94.7   | 81.6   | 65.3   | 58.8   |
| 72.5° | 6851.5 | 5405.5 | 2173.9 | 721.4  | 274.2  | 111.0  | 91.4   | 81.6   | 68.5   | 55.5   | 49.0   |
| 75°   | 4746.1 | 3453.5 | 1674.5 | 616.9  | 267.7  | 101.2  | 84.9   | 71.8   | 58.8   | 45.7   | 42.4   |
| 77.5° | 2846.4 | 2307.8 | 1080.4 | 463.5  | 176.3  | 81.6   | 71.8   | 55.5   | 49.0   | 39.2   | 35.9   |
| 80°   | 1331.8 | 1090.2 | 437.4  | 179.5  | 84.9   | 58.8   | 49.0   | 42.4   | 39.2   | 32.6   | 29.4   |
| 82.5° | 522.3  | 460.2  | 212.2  | 104.5  | 68.5   | 45.7   | 39.2   | 35.9   | 32.6   | 26.1   | 22.8   |
| 85°   | 280.7  | 248.1  | 101.2  | 71.8   | 49.0   | 32.6   | 32.6   | 29.4   | 26.1   | 22.8   | 19.6   |
| 87.5° | 62.0   | 45.7   | 42.4   | 42.4   | 35.9   | 26.1   | 26.1   | 22.8   | 19.6   | 16.3   | 13.1   |
| 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°    | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 |
| 2.5°  | 4034.5 | 4083.5 | 4005.1 | 4054.1 | 3985.6 | 4037.8 | 4044.3 | 3995.4 | 4008.4 | 4073.7 | 4103.1 |
| 5°    | 3437.2 | 3404.5 | 3332.7 | 3309.9 | 3313.1 | 3270.7 | 3287.0 | 3309.9 | 3345.8 | 3365.4 | 3424.1 |
| 7.5°  | 2477.5 | 2552.6 | 2549.3 | 2604.8 | 2608.1 | 2601.6 | 2555.9 | 2457.9 | 2490.6 | 2464.5 | 2497.1 |
| 10°   | 1772.4 | 1805.1 | 1867.1 | 1903.0 | 1968.3 | 1932.4 | 1827.9 | 1788.8 | 1769.2 | 1765.9 | 1798.6 |
| 12.5° | 1416.7 | 1338.3 | 1331.8 | 1344.8 | 1377.5 | 1335.0 | 1282.8 | 1237.1 | 1260.0 | 1305.7 | 1341.6 |
| 15°   | 1096.8 | 1031.5 | 946.6  | 933.6  | 940.1  | 920.5  | 865.0  | 806.3  | 822.6  | 868.3  | 894.4  |
| 17.5° | 842.2  | 767.1  | 708.3  | 669.2  | 656.1  | 587.6  | 505.9  | 457.0  | 443.9  | 440.7  | 463.5  |
| 20°   | 568.0  | 554.9  | 545.1  | 496.2  | 496.2  | 398.2  | 329.7  | 293.8  | 293.8  | 300.3  | 303.6  |
| 22.5° | 424.3  | 408.0  | 411.3  | 401.5  | 375.4  | 297.0  | 261.1  | 251.3  | 251.3  | 257.9  | 257.9  |
| 25°   | 368.9  | 346.0  | 339.5  | 336.2  | 310.1  | 254.6  | 228.5  | 218.7  | 218.7  | 225.2  | 225.2  |
| 27.5° | 313.4  | 306.8  | 297.0  | 284.0  | 261.1  | 218.7  | 202.4  | 192.6  | 195.9  | 199.1  | 195.9  |
| 30°   | 287.2  | 270.9  | 257.9  | 257.9  | 231.8  | 195.9  | 182.8  | 176.3  | 169.7  | 176.3  | 179.5  |
| 32.5° | 254.6  | 244.8  | 238.3  | 228.5  | 199.1  | 173.0  | 159.9  | 153.4  | 150.2  | 150.2  | 153.4  |
| 35°   | 218.7  | 218.7  | 212.2  | 199.1  | 173.0  | 156.7  | 140.4  | 133.8  | 130.6  | 133.8  | 133.8  |
| 37.5° | 195.9  | 186.1  | 189.3  | 176.3  | 153.4  | 137.1  | 120.8  | 114.2  | 114.2  | 111.0  | 114.2  |
| 40°   | 182.8  | 166.5  | 156.7  | 150.2  | 137.1  | 117.5  | 104.5  | 97.9   | 94.7   | 94.7   | 94.7   |
| 42.5° | 163.2  | 150.2  | 130.6  | 127.3  | 124.0  | 101.2  | 84.9   | 81.6   | 78.3   | 75.1   | 75.1   |
| 45°   | 153.4  | 133.8  | 117.5  | 101.2  | 101.2  | 84.9   | 71.8   | 65.3   | 62.0   | 58.8   | 62.0   |
| 47.5° | 140.4  | 120.8  | 101.2  | 84.9   | 81.6   | 68.5   | 55.5   | 49.0   | 45.7   | 45.7   | 45.7   |
| 50°   | 133.8  | 107.7  | 88.1   | 71.8   | 62.0   | 55.5   | 42.4   | 35.9   | 32.6   | 32.6   | 32.6   |
| 52.5° | 124.0  | 101.2  | 78.3   | 62.0   | 49.0   | 42.4   | 32.6   | 26.1   | 22.8   | 22.8   | 22.8   |
| 55°   | 111.0  | 91.4   | 68.5   | 52.2   | 42.4   | 32.6   | 22.8   | 16.3   | 13.1   | 13.1   | 13.1   |
| 57.5° | 104.5  | 81.6   | 58.8   | 45.7   | 32.6   | 22.8   | 13.1   | 9.8    | 9.8    | 6.5    | 9.8    |
| 60°   | 94.7   | 71.8   | 49.0   | 35.9   | 26.1   | 16.3   | 9.8    | 3.3    | 3.3    | 3.3    | 3.3    |
| 62.5° | 81.6   | 62.0   | 42.4   | 29.4   | 19.6   | 9.8    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 68.5   | 49.0   | 32.6   | 22.8   | 13.1   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 58.8   | 42.4   | 26.1   | 16.3   | 9.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 52.2   | 35.9   | 19.6   | 13.1   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 42.4   | 29.4   | 16.3   | 6.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 35.9   | 22.8   | 9.8    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 29.4   | 16.3   | 6.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 22.8   | 13.1   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 19.6   | 9.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 13.1   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 9.8    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   | 358°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 | 4596.0 |
| 2.5°  | 4145.5 | 4125.9 | 4223.8 | 4383.8 | 4465.4 | 4625.3 | 4664.5 | 4765.7 | 4739.6 | 4775.5 |
| 5°    | 3430.7 | 3469.8 | 3613.4 | 3848.5 | 3933.3 | 4165.1 | 4383.8 | 4602.5 | 4742.9 | 4811.4 |
| 7.5°  | 2546.1 | 2676.6 | 2852.9 | 3068.3 | 3287.0 | 3590.6 | 3962.7 | 4217.3 | 4354.4 | 4501.3 |
| 10°   | 1896.5 | 2036.8 | 2239.2 | 2451.4 | 2807.2 | 3146.7 | 3518.8 | 3835.4 | 3952.9 | 4090.0 |
| 12.5° | 1491.7 | 1710.4 | 1945.5 | 2173.9 | 2386.1 | 2709.3 | 3169.5 | 3629.8 | 3757.1 | 3861.5 |
| 15°   | 1038.0 | 1305.7 | 1641.9 | 1938.9 | 2236.0 | 2516.7 | 2993.3 | 3551.4 | 3724.4 | 3900.7 |
| 17.5° | 574.5  | 786.7  | 1171.8 | 1589.7 | 2027.1 | 2457.9 | 3052.0 | 3695.1 | 3956.2 | 4080.2 |
| 20°   | 332.9  | 417.8  | 692.0  | 1188.2 | 1765.9 | 2330.6 | 3081.4 | 3966.0 | 4312.0 | 4374.0 |
| 22.5° | 274.2  | 303.6  | 391.7  | 744.2  | 1446.0 | 2249.0 | 3231.5 | 4344.6 | 4697.2 | 4844.0 |
| 25°   | 235.0  | 257.9  | 303.6  | 447.2  | 1093.5 | 2076.0 | 3326.2 | 4817.9 | 5144.3 | 5304.3 |
| 27.5° | 208.9  | 231.8  | 267.7  | 329.7  | 744.2  | 1837.7 | 3482.9 | 5245.5 | 5572.0 | 5790.7 |
| 30°   | 182.8  | 202.4  | 238.3  | 280.7  | 515.7  | 1570.1 | 3616.7 | 5558.9 | 6019.1 | 6087.7 |
| 32.5° | 163.2  | 179.5  | 205.6  | 241.5  | 381.9  | 1191.4 | 3724.4 | 5882.1 | 6270.5 | 6420.6 |
| 35°   | 140.4  | 159.9  | 176.3  | 205.6  | 290.5  | 897.6  | 3659.1 | 6133.4 | 6639.3 | 6818.9 |
| 37.5° | 124.0  | 137.1  | 153.4  | 173.0  | 244.8  | 701.8  | 3525.3 | 6433.7 | 6956.0 | 7122.4 |
| 40°   | 104.5  | 114.2  | 133.8  | 153.4  | 222.0  | 541.9  | 3371.9 | 6796.0 | 7399.9 | 7693.7 |
| 42.5° | 88.1   | 97.9   | 111.0  | 143.6  | 182.8  | 401.5  | 3061.8 | 7076.7 | 7759.0 | 8007.0 |
| 45°   | 68.5   | 81.6   | 101.2  | 143.6  | 146.9  | 297.0  | 2741.9 | 7285.6 | 7961.3 | 8085.4 |
| 47.5° | 52.2   | 65.3   | 97.9   | 124.0  | 117.5  | 205.6  | 2363.3 | 7523.9 | 8170.2 | 8284.5 |
| 50°   | 39.2   | 52.2   | 111.0  | 107.7  | 97.9   | 156.7  | 2125.0 | 7690.4 | 8183.3 | 8245.3 |
| 52.5° | 26.1   | 39.2   | 91.4   | 81.6   | 81.6   | 137.1  | 2059.7 | 7683.9 | 8215.9 | 8082.1 |
| 55°   | 19.6   | 29.4   | 52.2   | 58.8   | 71.8   | 120.8  | 2000.9 | 7928.7 | 8225.7 | 8320.4 |
| 57.5° | 13.1   | 22.8   | 35.9   | 45.7   | 62.0   | 104.5  | 1880.2 | 8222.5 | 8529.3 | 8578.3 |
| 60°   | 6.5    | 16.3   | 26.1   | 35.9   | 52.2   | 91.4   | 1710.4 | 8437.9 | 8898.2 | 8950.4 |
| 62.5° | 3.3    | 9.8    | 19.6   | 29.4   | 42.4   | 71.8   | 1534.2 | 8095.2 | 8738.2 | 8829.6 |
| 65°   | 0.0    | 6.5    | 13.1   | 19.6   | 26.1   | 52.2   | 1246.9 | 7308.5 | 8105.0 | 8441.2 |
| 67.5° | 0.0    | 0.0    | 6.5    | 13.1   | 16.3   | 39.2   | 940.1  | 6649.1 | 7520.7 | 7977.7 |
| 70°   | 0.0    | 0.0    | 3.3    | 3.3    | 9.8    | 29.4   | 600.6  | 5506.7 | 6714.4 | 6965.8 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 3.3    | 19.6   | 349.3  | 4090.0 | 5261.9 | 5728.6 |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 16.3   | 176.3  | 2630.9 | 3662.4 | 4289.1 |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 13.1   | 94.7   | 1697.4 | 2699.5 | 3225.0 |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.3    | 55.5   | 985.8  | 1726.8 | 2092.3 |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 22.8   | 483.1  | 1031.5 | 1207.7 |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 6.5    | 257.9  | 515.7  | 678.9  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.8    | 35.9   | 68.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)