

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: P598745

Luminaire Tested: **IFLD-S-SA6D-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: P598745  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6D-750-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 5000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

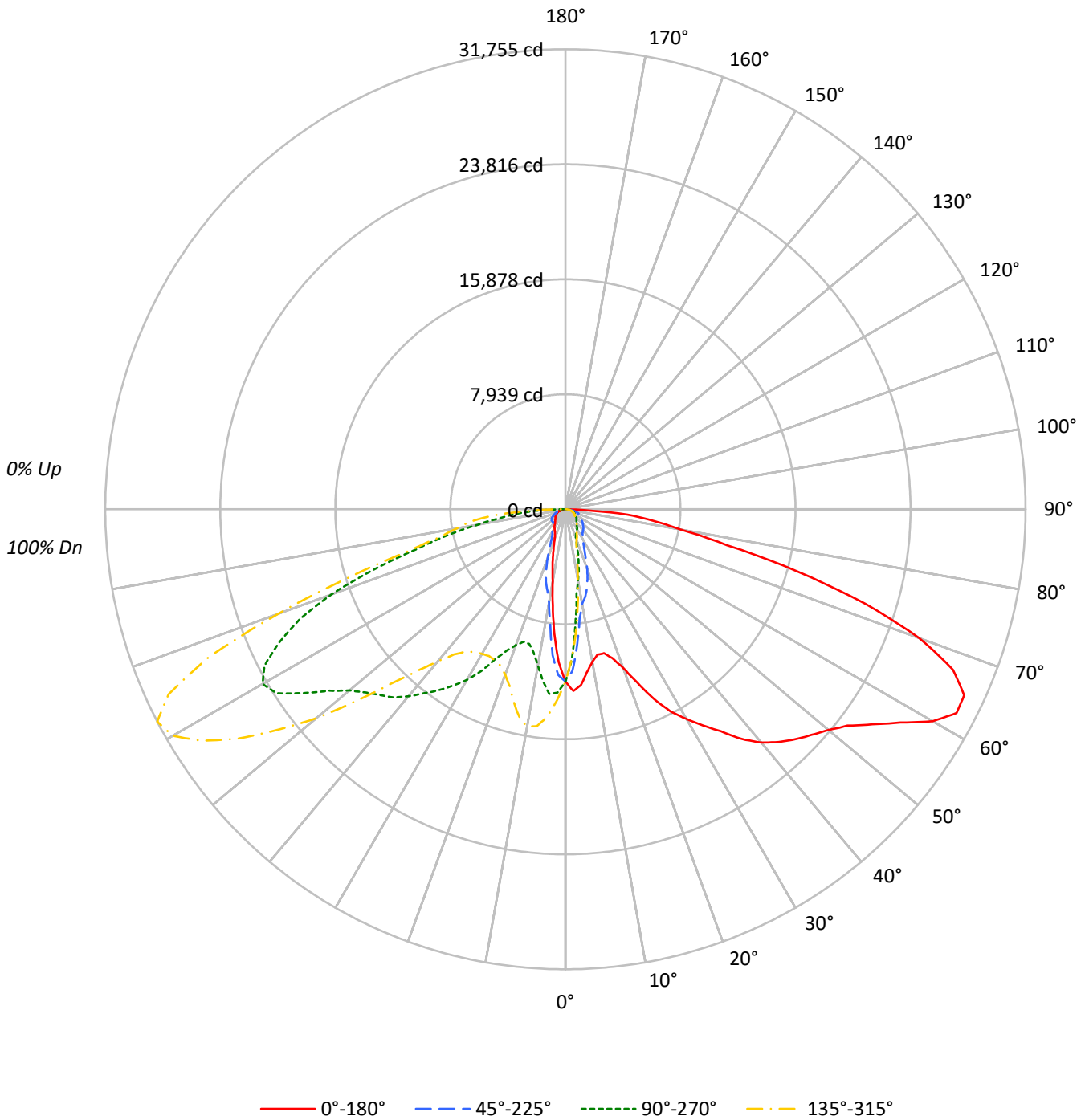
Lumens per Lamp: N/A  
 Luminaire Lumens: 39780.6 lumens  
 Efficiency: N/A  
 Efficacy: 108.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 368.2  
 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



TEST NUMBER: P598745  
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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   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 87  | 92  | 88  | 84  | 88  | 85  | 82  | 85  | 82  | 79  | 85  | 82  | 79  | 77  |
| 2   | 93  | 83  | 74  | 67  | 90  | 81  | 73  | 66  | 77  | 70  | 64  | 73  | 68  | 63  | 70  | 65  | 61  | 70  | 65  | 61  | 59  |
| 3   | 83  | 70  | 60  | 52  | 80  | 68  | 59  | 51  | 65  | 57  | 50  | 62  | 55  | 49  | 59  | 53  | 48  | 59  | 53  | 48  | 46  |
| 4   | 74  | 60  | 49  | 41  | 72  | 59  | 49  | 41  | 56  | 47  | 40  | 53  | 46  | 40  | 51  | 44  | 39  | 51  | 44  | 39  | 36  |
| 5   | 68  | 52  | 42  | 34  | 65  | 51  | 41  | 34  | 49  | 40  | 33  | 47  | 39  | 33  | 45  | 38  | 32  | 45  | 38  | 32  | 30  |
| 6   | 62  | 46  | 36  | 28  | 60  | 45  | 35  | 28  | 43  | 34  | 28  | 41  | 34  | 28  | 40  | 33  | 27  | 40  | 33  | 27  | 25  |
| 7   | 57  | 41  | 31  | 24  | 55  | 40  | 31  | 24  | 39  | 30  | 24  | 37  | 29  | 24  | 36  | 29  | 23  | 36  | 29  | 23  | 21  |
| 8   | 53  | 37  | 28  | 21  | 51  | 36  | 27  | 21  | 35  | 27  | 21  | 34  | 26  | 21  | 32  | 26  | 20  | 32  | 26  | 20  | 18  |
| 9   | 49  | 34  | 25  | 19  | 47  | 33  | 24  | 18  | 32  | 24  | 18  | 31  | 23  | 18  | 30  | 23  | 18  | 30  | 23  | 18  | 16  |
| 10  | 46  | 31  | 22  | 17  | 44  | 31  | 22  | 17  | 29  | 22  | 16  | 28  | 21  | 16  | 28  | 21  | 16  | 28  | 21  | 16  | 14  |

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

|     | 0°     | 90°   | 180°  | 270°   |
|-----|--------|-------|-------|--------|
| 0°  | 85273  | 85273 | 85273 | 85273  |
| 5°  | 87757  | 57066 | 62341 | 92193  |
| 10° | 77857  | 36261 | 36624 | 79676  |
| 15° | 76412  | 25718 | 24358 | 71466  |
| 20° | 88839  | 16268 | 16396 | 76130  |
| 25° | 114250 | 13969 | 13573 | 90004  |
| 30° | 138458 | 13239 | 12412 | 112669 |
| 35° | 163876 | 11664 | 11226 | 133550 |
| 40° | 196908 | 11070 | 10289 | 157775 |
| 45° | 227846 | 10978 | 9965  | 183932 |
| 50° | 264579 | 11148 | 10033 | 217200 |
| 55° | 323783 | 11452 | 10203 | 276724 |
| 60° | 419916 | 11466 | 10748 | 346109 |
| 65° | 515455 | 11587 | 11022 | 370482 |
| 70° | 545436 | 12221 | 11523 | 360713 |
| 75° | 459135 | 12920 | 11537 | 294400 |
| 80° | 333568 | 15129 | 11691 | 254477 |
| 85° | 353537 | 21926 | 9592  | 264467 |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 919.7   | 2.3       |
| 10°-20°   | 1924.7  | 4.8       |
| 20°-30°   | 2773.7  | 7.0       |
| 30°-40°   | 3993.0  | 10.0      |
| 40°-50°   | 5671.8  | 14.3      |
| 50°-60°   | 8154.5  | 20.5      |
| 60°-70°   | 9421.1  | 23.7      |
| 70°-80°   | 5334.4  | 13.4      |
| 80°-90°   | 1587.5  | 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°    | 5618.1  | 14.1      |
| 0°-40°    | 9611.1  | 24.2      |
| 0°-60°    | 23437.5 | 58.9      |
| 0°-90°    | 39780.6 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 39780.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180°  | 270°  | 360°  | Flux  |
|-----|-------|-------|-------|-------|-------|-------|
| 0°  | 11883 | 11883 | 11883 | 11883 | 11883 |       |
| 5°  | 12183 | 7922  | 8654  | 12799 | 12183 | 1105  |
| 15° | 10286 | 3462  | 3279  | 9620  | 10286 | 3024  |
| 25° | 14430 | 1764  | 1714  | 11367 | 14430 | 6698  |
| 35° | 18707 | 1332  | 1282  | 15245 | 18707 | 11872 |
| 45° | 22452 | 1082  | 982   | 18124 | 22452 | 17385 |
| 55° | 25880 | 915   | 816   | 22119 | 25880 | 23438 |
| 65° | 30357 | 682   | 649   | 21819 | 30357 | 29110 |
| 75° | 16560 | 466   | 416   | 10618 | 16560 | 17571 |
| 85° | 4294  | 266   | 116   | 3212  | 4294  | 4276  |
| 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°    | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 |
| 2.5°  | 12548.9 | 12532.3 | 12432.4 | 12116.2 | 11783.3 | 11467.1 | 11167.5 | 10851.3 | 10684.9 | 10485.2 | 10402.0 |
| 5°    | 12182.8 | 12149.5 | 11866.5 | 11167.5 | 10551.7 | 9886.0  | 9320.2  | 8870.8  | 8504.6  | 8138.5  | 8005.3  |
| 7.5°  | 11350.6 | 11300.7 | 10967.8 | 10002.5 | 9103.8  | 8238.3  | 7556.0  | 6973.5  | 6490.8  | 6274.5  | 6024.8  |
| 10°   | 10684.9 | 10601.7 | 10168.9 | 9103.8  | 7938.8  | 7073.3  | 6624.0  | 6224.5  | 5808.5  | 5458.9  | 5092.8  |
| 12.5° | 10268.8 | 10168.9 | 9719.6  | 8471.4  | 7339.6  | 6690.5  | 6224.5  | 5775.2  | 5259.2  | 4826.5  | 4427.1  |
| 15°   | 10285.5 | 10168.9 | 9619.7  | 8304.9  | 7189.8  | 6357.7  | 5708.6  | 5092.8  | 4493.6  | 4011.0  | 3561.6  |
| 17.5° | 10768.1 | 10618.3 | 10035.8 | 8537.9  | 7073.3  | 5925.0  | 5059.5  | 4260.6  | 3578.3  | 3062.3  | 2696.2  |
| 20°   | 11633.5 | 11533.7 | 10868.0 | 8887.4  | 6956.8  | 5458.9  | 4393.8  | 3428.5  | 2712.8  | 2313.4  | 2163.6  |
| 22.5° | 12931.7 | 12815.2 | 12099.6 | 9420.0  | 6923.5  | 5042.9  | 3678.1  | 2696.2  | 2180.2  | 2013.8  | 1930.6  |
| 25°   | 14429.6 | 14213.2 | 13547.5 | 10318.7 | 6990.1  | 4660.1  | 3095.6  | 2230.2  | 1947.2  | 1830.7  | 1780.8  |
| 27.5° | 15727.8 | 15594.6 | 14845.7 | 11167.5 | 7023.4  | 4360.5  | 2696.2  | 2030.5  | 1814.1  | 1714.2  | 1681.0  |
| 30°   | 16709.7 | 16659.8 | 15927.5 | 12099.6 | 6940.2  | 3994.4  | 2446.5  | 1947.2  | 1814.1  | 1714.2  | 1614.4  |
| 32.5° | 17691.6 | 17708.3 | 16926.1 | 12815.2 | 6823.7  | 3678.1  | 2213.5  | 1730.9  | 1597.7  | 1531.2  | 1547.8  |
| 35°   | 18706.9 | 18790.1 | 18124.4 | 13514.2 | 6574.0  | 3561.6  | 2047.1  | 1614.4  | 1497.9  | 1398.0  | 1348.1  |
| 37.5° | 19988.4 | 20204.8 | 19555.7 | 14296.4 | 6324.4  | 3461.8  | 1963.9  | 1531.2  | 1414.7  | 1331.5  | 1264.9  |
| 40°   | 21020.3 | 21419.7 | 21036.9 | 15028.7 | 6158.0  | 3345.3  | 1897.3  | 1448.0  | 1364.7  | 1264.9  | 1214.9  |
| 42.5° | 21785.9 | 22251.9 | 22118.7 | 15594.6 | 6158.0  | 3228.8  | 1830.7  | 1398.0  | 1331.5  | 1214.9  | 1148.4  |
| 45°   | 22451.6 | 22934.2 | 22917.6 | 16177.1 | 6291.1  | 3162.2  | 1747.5  | 1398.0  | 1298.2  | 1181.7  | 1115.1  |
| 47.5° | 23050.7 | 23533.4 | 23699.8 | 16909.4 | 6507.5  | 3128.9  | 1647.7  | 1364.7  | 1298.2  | 1165.0  | 1065.2  |
| 50°   | 23699.8 | 24232.4 | 24731.7 | 18074.4 | 6773.8  | 3045.7  | 1581.1  | 1314.8  | 1314.8  | 1148.4  | 1031.9  |
| 52.5° | 24532.0 | 25131.1 | 26046.5 | 19522.4 | 7040.0  | 2895.9  | 1481.2  | 1281.5  | 1314.8  | 1131.7  | 998.6   |
| 55°   | 25880.1 | 26379.4 | 27577.7 | 21253.3 | 7372.9  | 2712.8  | 1398.0  | 1198.3  | 1248.2  | 1081.8  | 948.7   |
| 57.5° | 27394.6 | 27827.3 | 28825.9 | 22584.7 | 7472.8  | 2479.8  | 1281.5  | 1115.1  | 1198.3  | 1031.9  | 882.1   |
| 60°   | 29258.6 | 29475.0 | 29475.0 | 22967.5 | 7139.9  | 2263.5  | 1198.3  | 1048.5  | 1081.8  | 981.9   | 832.2   |
| 62.5° | 30440.3 | 30440.3 | 29475.0 | 22268.5 | 6507.5  | 2080.4  | 1131.7  | 981.9   | 948.7   | 915.4   | 782.2   |
| 65°   | 30357.1 | 30223.9 | 28792.6 | 20238.0 | 5775.2  | 1963.9  | 1065.2  | 898.7   | 848.8   | 832.2   | 732.3   |
| 67.5° | 28959.0 | 28726.0 | 26778.8 | 17375.4 | 5009.6  | 1914.0  | 998.6   | 815.5   | 782.2   | 748.9   | 665.7   |
| 70°   | 25996.6 | 25397.4 | 23000.8 | 13980.2 | 4260.6  | 1880.7  | 981.9   | 748.9   | 715.7   | 682.4   | 615.8   |
| 72.5° | 21702.6 | 20937.1 | 17957.9 | 10751.5 | 3578.3  | 1764.2  | 932.0   | 665.7   | 649.1   | 615.8   | 549.2   |
| 75°   | 16559.9 | 15145.2 | 12532.3 | 8221.7  | 2779.4  | 1531.2  | 798.9   | 582.5   | 582.5   | 565.9   | 499.3   |
| 77.5° | 11417.2 | 10684.9 | 8737.6  | 6074.7  | 2030.5  | 1181.7  | 649.1   | 515.9   | 515.9   | 532.6   | 466.0   |
| 80°   | 8071.9  | 7389.5  | 6224.5  | 4360.5  | 1281.5  | 798.9   | 499.3   | 432.7   | 482.7   | 515.9   | 432.7   |
| 82.5° | 6174.6  | 5675.3  | 4626.8  | 3178.8  | 748.9   | 549.2   | 382.8   | 349.5   | 416.1   | 449.4   | 366.1   |
| 85°   | 4293.9  | 3694.8  | 2346.7  | 2130.3  | 432.7   | 332.9   | 282.9   | 282.9   | 366.1   | 449.4   | 332.9   |
| 87.5° | 1214.9  | 515.9   | 149.8   | 632.4   | 183.1   | 133.1   | 99.9    | 66.6    | 99.9    | 99.9    | 66.6    |
| 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°    | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 |
| 2.5°  | 10318.7 | 10218.9 | 10218.9 | 10185.6 | 10202.2 | 10218.9 | 10202.2 | 10318.7 | 10368.7 | 10435.2 | 10568.4 |
| 5°    | 7922.1  | 8055.3  | 7955.4  | 8055.3  | 8188.4  | 8388.1  | 8438.1  | 8587.9  | 8604.5  | 8721.0  | 8654.4  |
| 7.5°  | 5875.0  | 5858.4  | 5775.2  | 5891.7  | 6257.8  | 6540.7  | 6673.9  | 6757.1  | 6773.8  | 6773.8  | 6690.5  |
| 10°   | 4976.3  | 4826.5  | 4676.7  | 4593.5  | 4626.8  | 4926.4  | 5026.2  | 5076.2  | 5042.9  | 5092.8  | 5026.2  |
| 12.5° | 4260.6  | 4127.5  | 3911.1  | 3761.3  | 3661.5  | 3744.7  | 3844.6  | 3894.5  | 3927.8  | 4011.0  | 4077.6  |
| 15°   | 3461.8  | 3328.6  | 3195.5  | 3112.3  | 3029.0  | 2962.5  | 3045.7  | 3095.6  | 3178.8  | 3245.4  | 3278.7  |
| 17.5° | 2629.6  | 2563.0  | 2496.5  | 2546.4  | 2546.4  | 2513.1  | 2546.4  | 2563.0  | 2596.3  | 2646.3  | 2629.6  |
| 20°   | 2130.3  | 2113.7  | 2097.0  | 2180.2  | 2246.8  | 2246.8  | 2280.1  | 2230.2  | 2213.5  | 2163.6  | 2147.0  |
| 22.5° | 1897.3  | 1897.3  | 1914.0  | 1980.5  | 2047.1  | 2080.4  | 2080.4  | 1997.2  | 1914.0  | 1880.7  | 1897.3  |
| 25°   | 1764.2  | 1764.2  | 1814.1  | 1830.7  | 1864.0  | 1864.0  | 1880.7  | 1797.5  | 1747.5  | 1697.6  | 1714.2  |
| 27.5° | 1664.3  | 1664.3  | 1681.0  | 1681.0  | 1697.6  | 1697.6  | 1714.2  | 1681.0  | 1614.4  | 1597.7  | 1597.7  |
| 30°   | 1597.7  | 1597.7  | 1581.1  | 1581.1  | 1581.1  | 1581.1  | 1597.7  | 1547.8  | 1514.5  | 1497.9  | 1497.9  |
| 32.5° | 1531.2  | 1514.5  | 1497.9  | 1497.9  | 1481.2  | 1481.2  | 1497.9  | 1448.0  | 1431.3  | 1431.3  | 1431.3  |
| 35°   | 1331.5  | 1314.8  | 1331.5  | 1364.7  | 1364.7  | 1381.4  | 1381.4  | 1364.7  | 1331.5  | 1298.2  | 1281.5  |
| 37.5° | 1248.2  | 1231.6  | 1231.6  | 1231.6  | 1264.9  | 1281.5  | 1298.2  | 1264.9  | 1214.9  | 1165.0  | 1165.0  |
| 40°   | 1181.7  | 1181.7  | 1165.0  | 1165.0  | 1165.0  | 1198.3  | 1231.6  | 1181.7  | 1115.1  | 1098.4  | 1098.4  |
| 42.5° | 1131.7  | 1115.1  | 1098.4  | 1081.8  | 1065.2  | 1115.1  | 1148.4  | 1081.8  | 1048.5  | 1048.5  | 1048.5  |
| 45°   | 1081.8  | 1065.2  | 1048.5  | 1031.9  | 1015.2  | 1031.9  | 1065.2  | 998.6   | 981.9   | 981.9   | 981.9   |
| 47.5° | 1031.9  | 1015.2  | 981.9   | 965.3   | 948.7   | 948.7   | 981.9   | 932.0   | 915.4   | 932.0   | 932.0   |
| 50°   | 998.6   | 965.3   | 932.0   | 915.4   | 898.7   | 898.7   | 898.7   | 882.1   | 882.1   | 882.1   | 898.7   |
| 52.5° | 965.3   | 932.0   | 882.1   | 865.4   | 848.8   | 848.8   | 848.8   | 848.8   | 832.2   | 848.8   | 865.4   |
| 55°   | 915.4   | 882.1   | 848.8   | 832.2   | 815.5   | 798.9   | 815.5   | 798.9   | 798.9   | 815.5   | 815.5   |
| 57.5° | 848.8   | 815.5   | 782.2   | 782.2   | 765.6   | 765.6   | 782.2   | 765.6   | 765.6   | 782.2   | 782.2   |
| 60°   | 798.9   | 765.6   | 732.3   | 732.3   | 715.7   | 732.3   | 748.9   | 732.3   | 732.3   | 732.3   | 748.9   |
| 62.5° | 732.3   | 715.7   | 682.4   | 682.4   | 682.4   | 682.4   | 699.0   | 682.4   | 699.0   | 699.0   | 699.0   |
| 65°   | 682.4   | 649.1   | 632.4   | 632.4   | 632.4   | 632.4   | 665.7   | 632.4   | 649.1   | 649.1   | 649.1   |
| 67.5° | 632.4   | 599.2   | 582.5   | 582.5   | 582.5   | 582.5   | 615.8   | 582.5   | 599.2   | 615.8   | 599.2   |
| 70°   | 582.5   | 549.2   | 532.6   | 532.6   | 532.6   | 532.6   | 549.2   | 532.6   | 532.6   | 549.2   | 549.2   |
| 72.5° | 515.9   | 499.3   | 482.7   | 482.7   | 466.0   | 482.7   | 499.3   | 482.7   | 482.7   | 482.7   | 482.7   |
| 75°   | 466.0   | 449.4   | 449.4   | 432.7   | 432.7   | 432.7   | 449.4   | 416.1   | 416.1   | 416.1   | 416.1   |
| 77.5° | 432.7   | 399.4   | 399.4   | 399.4   | 382.8   | 399.4   | 382.8   | 349.5   | 349.5   | 349.5   | 349.5   |
| 80°   | 366.1   | 332.9   | 349.5   | 349.5   | 332.9   | 332.9   | 316.2   | 282.9   | 282.9   | 282.9   | 282.9   |
| 82.5° | 299.6   | 266.3   | 282.9   | 282.9   | 282.9   | 282.9   | 249.6   | 233.0   | 216.4   | 199.7   | 199.7   |
| 85°   | 266.3   | 216.4   | 249.6   | 249.6   | 233.0   | 233.0   | 166.4   | 166.4   | 133.1   | 133.1   | 116.5   |
| 87.5° | 49.9    | 33.3    | 66.6    | 83.2    | 83.2    | 99.9    | 66.6    | 83.2    | 49.9    | 33.3    | 33.3    |
| 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):**

|       | 185°    | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 |
| 2.5°  | 10551.7 | 10734.8 | 10984.5 | 11167.5 | 11450.5 | 11666.8 | 11999.7 | 12282.6 | 12548.9 | 12665.4 | 12781.9 |
| 5°    | 8854.1  | 8970.6  | 9353.4  | 9653.0  | 10102.4 | 10585.0 | 11184.2 | 11833.3 | 12499.0 | 12798.6 | 13148.1 |
| 7.5°  | 6624.0  | 6840.3  | 7056.7  | 7489.4  | 8038.6  | 8820.9  | 9586.4  | 10551.7 | 11483.8 | 11933.1 | 12532.3 |
| 10°   | 5142.7  | 5309.2  | 5558.8  | 6008.2  | 6524.1  | 7173.2  | 8088.6  | 9236.9  | 10352.0 | 10934.5 | 11550.3 |
| 12.5° | 4127.5  | 4360.5  | 4693.4  | 5159.4  | 5758.5  | 6424.2  | 7090.0  | 8155.1  | 9453.3  | 10119.0 | 10818.0 |
| 15°   | 3345.3  | 3528.3  | 3894.5  | 4477.0  | 5176.0  | 5858.4  | 6557.4  | 7439.5  | 8854.1  | 9619.7  | 10451.9 |
| 17.5° | 2662.9  | 2796.0  | 3128.9  | 3711.4  | 4410.4  | 5176.0  | 5974.9  | 7090.0  | 8654.4  | 9586.4  | 10568.4 |
| 20°   | 2163.6  | 2263.5  | 2479.8  | 2912.5  | 3578.3  | 4410.4  | 5409.0  | 6757.1  | 8770.9  | 9969.2  | 11167.5 |
| 22.5° | 1897.3  | 1930.6  | 2030.5  | 2263.5  | 2812.7  | 3694.8  | 4893.1  | 6474.2  | 8987.3  | 10535.1 | 12149.5 |
| 25°   | 1714.2  | 1747.5  | 1780.8  | 1930.6  | 2246.8  | 3079.0  | 4443.7  | 6307.7  | 9453.3  | 11367.3 | 13281.2 |
| 27.5° | 1597.7  | 1631.0  | 1647.7  | 1714.2  | 1930.6  | 2629.6  | 4060.9  | 6207.9  | 10085.7 | 12582.2 | 14679.2 |
| 30°   | 1497.9  | 1497.9  | 1547.8  | 1647.7  | 1797.5  | 2313.4  | 3728.1  | 5974.9  | 10751.5 | 13597.4 | 15777.7 |
| 32.5° | 1414.7  | 1431.3  | 1497.9  | 1547.8  | 1647.7  | 2047.1  | 3395.2  | 5675.3  | 11350.6 | 14429.6 | 16859.5 |
| 35°   | 1264.9  | 1264.9  | 1281.5  | 1364.7  | 1497.9  | 1830.7  | 3095.6  | 5375.7  | 11683.5 | 15245.1 | 17824.8 |
| 37.5° | 1165.0  | 1181.7  | 1214.9  | 1281.5  | 1398.0  | 1681.0  | 2846.0  | 5042.9  | 12033.0 | 16010.7 | 18956.5 |
| 40°   | 1098.4  | 1115.1  | 1148.4  | 1214.9  | 1331.5  | 1547.8  | 2629.6  | 4776.6  | 12399.1 | 16842.8 | 20171.5 |
| 42.5° | 1048.5  | 1065.2  | 1098.4  | 1165.0  | 1264.9  | 1514.5  | 2396.6  | 4560.2  | 12615.5 | 17608.4 | 21319.8 |
| 45°   | 998.6   | 1015.2  | 1065.2  | 1131.7  | 1214.9  | 1481.2  | 2263.5  | 4410.4  | 12698.7 | 18124.4 | 22235.2 |
| 47.5° | 948.7   | 965.3   | 1015.2  | 1115.1  | 1214.9  | 1431.3  | 2213.5  | 4327.2  | 12765.3 | 18706.9 | 22967.5 |
| 50°   | 898.7   | 932.0   | 998.6   | 1098.4  | 1231.6  | 1364.7  | 2180.2  | 4310.6  | 13148.1 | 19455.8 | 23666.5 |
| 52.5° | 865.4   | 915.4   | 981.9   | 1098.4  | 1214.9  | 1264.9  | 2163.6  | 4360.5  | 13913.7 | 20570.9 | 24665.1 |
| 55°   | 832.2   | 882.1   | 948.7   | 1098.4  | 1165.0  | 1181.7  | 2080.4  | 4443.7  | 15078.7 | 22118.7 | 26079.8 |
| 57.5° | 798.9   | 832.2   | 915.4   | 1065.2  | 1098.4  | 1115.1  | 1914.0  | 4560.2  | 16243.7 | 23633.2 | 27527.7 |
| 60°   | 748.9   | 782.2   | 865.4   | 1065.2  | 998.6   | 1048.5  | 1697.6  | 4593.5  | 17075.8 | 24115.9 | 27660.9 |
| 62.5° | 699.0   | 732.3   | 815.5   | 1098.4  | 915.4   | 981.9   | 1514.5  | 4477.0  | 17242.3 | 23416.9 | 26911.9 |
| 65°   | 649.1   | 682.4   | 748.9   | 915.4   | 848.8   | 915.4   | 1398.0  | 4160.8  | 16693.1 | 21819.1 | 25547.2 |
| 67.5° | 599.2   | 632.4   | 682.4   | 748.9   | 765.6   | 832.2   | 1348.1  | 3661.5  | 15311.7 | 19838.6 | 23683.2 |
| 70°   | 532.6   | 565.9   | 615.8   | 665.7   | 682.4   | 782.2   | 1264.9  | 3178.8  | 13081.5 | 17192.3 | 21403.1 |
| 72.5° | 482.7   | 499.3   | 549.2   | 582.5   | 615.8   | 715.7   | 1214.9  | 2779.4  | 10002.5 | 13913.7 | 17458.6 |
| 75°   | 416.1   | 416.1   | 466.0   | 499.3   | 532.6   | 632.4   | 1115.1  | 2313.4  | 7056.7  | 10618.3 | 12831.8 |
| 77.5° | 349.5   | 349.5   | 382.8   | 416.1   | 449.4   | 549.2   | 948.7   | 1880.7  | 4893.1  | 8421.4  | 9303.5  |
| 80°   | 266.3   | 266.3   | 299.6   | 332.9   | 366.1   | 466.0   | 765.6   | 1381.4  | 3029.0  | 6158.0  | 6773.8  |
| 82.5° | 183.1   | 183.1   | 233.0   | 249.6   | 266.3   | 366.1   | 582.5   | 948.7   | 1780.8  | 4443.7  | 4843.1  |
| 85°   | 99.9    | 99.9    | 133.1   | 149.8   | 183.1   | 266.3   | 432.7   | 665.7   | 1065.2  | 3212.1  | 3228.8  |
| 87.5° | 16.6    | 16.6    | 49.9    | 49.9    | 83.2    | 133.1   | 249.6   | 366.1   | 599.2   | 1780.8  | 1131.7  |
| 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°    | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 | 11883.2 |
| 2.5°  | 12998.3 | 13181.4 | 13198.0 | 13198.0 | 13114.8 | 13131.4 | 12898.4 | 12648.8 | 12565.6 | 12548.9 |
| 5°    | 13680.6 | 14163.3 | 14296.4 | 14363.0 | 14146.7 | 13813.8 | 13214.6 | 12565.6 | 12232.7 | 12182.8 |
| 7.5°  | 13547.5 | 14512.8 | 15028.7 | 15095.3 | 14662.6 | 13880.4 | 12831.8 | 11833.3 | 11450.5 | 11350.6 |
| 10°   | 12765.3 | 14063.4 | 14995.5 | 15228.5 | 14762.5 | 13763.9 | 12399.1 | 11234.1 | 10768.1 | 10684.9 |
| 12.5° | 12216.1 | 13464.3 | 14379.7 | 14695.9 | 14479.5 | 13614.1 | 12182.8 | 10851.3 | 10385.3 | 10268.8 |
| 15°   | 11916.5 | 13064.9 | 13664.0 | 13763.9 | 13747.2 | 13381.1 | 12182.8 | 10934.5 | 10418.6 | 10285.5 |
| 17.5° | 12166.1 | 12948.4 | 13031.6 | 12798.6 | 12931.7 | 13114.8 | 12449.1 | 11383.9 | 10884.6 | 10768.1 |
| 20°   | 12665.4 | 12898.4 | 12499.0 | 12149.5 | 12216.1 | 12798.6 | 12865.1 | 12232.7 | 11833.3 | 11633.5 |
| 22.5° | 13713.9 | 13081.5 | 12166.1 | 11683.5 | 11733.4 | 12548.9 | 13414.4 | 13381.1 | 13031.6 | 12931.7 |
| 25°   | 14779.1 | 13597.4 | 12066.3 | 11500.4 | 11567.0 | 12499.0 | 14063.4 | 14662.6 | 14479.5 | 14429.6 |
| 27.5° | 15960.8 | 14462.9 | 12132.8 | 11417.2 | 11500.4 | 12565.6 | 14512.8 | 15744.4 | 15777.7 | 15727.8 |
| 30°   | 16759.6 | 14879.0 | 12332.6 | 11517.0 | 11633.5 | 12732.0 | 14612.7 | 16393.5 | 16693.1 | 16709.7 |
| 32.5° | 17425.4 | 15295.0 | 12748.6 | 11683.5 | 11883.2 | 13031.6 | 14879.0 | 17009.3 | 17675.0 | 17691.6 |
| 35°   | 17957.9 | 15761.0 | 13264.6 | 11983.1 | 12282.6 | 13530.9 | 15228.5 | 17591.8 | 18590.4 | 18706.9 |
| 37.5° | 18640.3 | 16277.0 | 13863.7 | 12632.1 | 12965.0 | 14246.5 | 15844.3 | 18274.2 | 19672.2 | 19988.4 |
| 40°   | 19372.6 | 16792.9 | 14729.2 | 13680.6 | 14163.3 | 15311.7 | 16543.3 | 19039.7 | 20587.5 | 21020.3 |
| 42.5° | 20188.1 | 17342.1 | 15711.1 | 15095.3 | 15827.6 | 16659.8 | 17342.1 | 19738.7 | 21286.6 | 21785.9 |
| 45°   | 20987.0 | 18007.9 | 17142.4 | 17025.9 | 17841.4 | 18257.5 | 18124.4 | 20238.0 | 21952.3 | 22451.6 |
| 47.5° | 21552.8 | 18973.2 | 18873.3 | 19572.3 | 20337.9 | 20121.5 | 19039.7 | 20604.2 | 22501.5 | 23050.7 |
| 50°   | 22068.8 | 20171.5 | 21053.6 | 22418.3 | 22884.3 | 22152.0 | 20021.7 | 21103.5 | 23084.0 | 23699.8 |
| 52.5° | 22834.4 | 21453.0 | 23300.4 | 24998.0 | 25447.3 | 24282.3 | 21086.8 | 21919.0 | 23982.7 | 24532.0 |
| 55°   | 24398.8 | 22900.9 | 25647.1 | 27594.3 | 27677.5 | 26229.6 | 22518.1 | 23300.4 | 25247.6 | 25880.1 |
| 57.5° | 26146.4 | 24681.8 | 27511.1 | 29741.3 | 29708.0 | 28176.8 | 24132.5 | 25164.4 | 26961.9 | 27394.6 |
| 60°   | 27727.4 | 26479.2 | 29541.5 | 31272.4 | 31189.2 | 29591.5 | 26013.2 | 27278.1 | 28925.8 | 29258.6 |
| 62.5° | 28659.5 | 28110.2 | 30440.3 | 31755.1 | 31438.9 | 30057.5 | 27610.9 | 29158.8 | 30323.8 | 30440.3 |
| 65°   | 28509.7 | 29042.3 | 29391.8 | 30207.3 | 29757.9 | 28759.3 | 28393.2 | 30357.1 | 30473.6 | 30357.1 |
| 67.5° | 27377.9 | 28509.7 | 26512.5 | 26595.7 | 26362.7 | 25513.9 | 27178.2 | 30040.8 | 29242.0 | 28959.0 |
| 70°   | 25663.7 | 25746.9 | 22168.6 | 21120.1 | 21486.3 | 20321.3 | 23317.0 | 27577.7 | 26346.1 | 25996.6 |
| 72.5° | 22817.7 | 21785.9 | 16759.6 | 15694.5 | 16243.7 | 15411.5 | 18706.9 | 24032.7 | 22834.4 | 21702.6 |
| 75°   | 19139.6 | 17258.9 | 12765.3 | 11250.8 | 11533.7 | 11500.4 | 14496.2 | 19855.2 | 17691.6 | 16559.9 |
| 77.5° | 14829.0 | 13447.6 | 9420.0  | 8837.5  | 8537.9  | 8604.5  | 10119.0 | 14762.5 | 12831.8 | 11417.2 |
| 80°   | 10834.7 | 9403.4  | 7289.7  | 7622.6  | 7456.1  | 7056.7  | 7090.0  | 9886.0  | 8920.7  | 8071.9  |
| 82.5° | 7489.4  | 6690.5  | 5908.3  | 6673.9  | 6274.5  | 5658.7  | 5525.5  | 7123.3  | 6690.5  | 6174.6  |
| 85°   | 5026.2  | 5508.9  | 4693.4  | 5109.4  | 4427.1  | 4077.6  | 5192.7  | 5958.2  | 4809.9  | 4293.9  |
| 87.5° | 3278.7  | 5042.9  | 3378.6  | 2563.0  | 1464.6  | 1963.9  | 3178.8  | 3911.1  | 2246.8  | 1214.9  |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)