

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: P599381

Luminaire Tested: **IFLD-S-SA6B-722-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: P599381  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6B-722-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (96) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

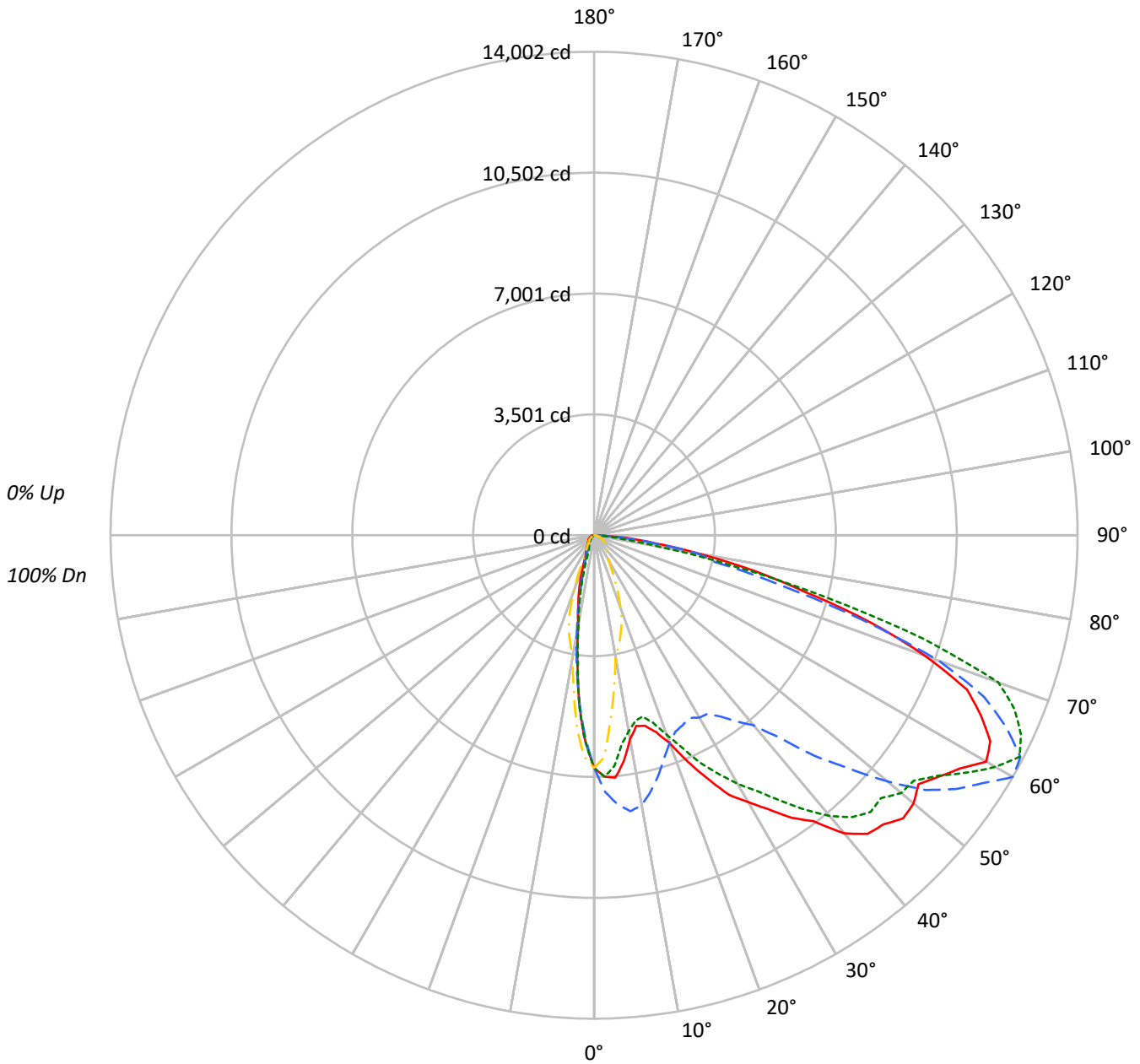
Lumens per Lamp: N/A  
 Luminaire Lumens: 17908.0 lumens  
 Efficiency: N/A  
 Efficacy: 73.1 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 244.9  
 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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 106 | 100 | 95  | 90  | 103 | 98  | 93  | 89  | 94  | 90  | 86  | 90  | 86  | 83  | 86  | 83  | 81  | 79  |
| 2   | 94  | 84  | 76  | 69  | 91  | 82  | 75  | 68  | 78  | 72  | 66  | 75  | 70  | 65  | 72  | 67  | 63  | 61  |
| 3   | 84  | 72  | 62  | 54  | 81  | 70  | 61  | 53  | 67  | 59  | 52  | 64  | 57  | 51  | 61  | 55  | 50  | 48  |
| 4   | 76  | 62  | 51  | 44  | 73  | 60  | 51  | 43  | 58  | 49  | 43  | 55  | 48  | 42  | 53  | 46  | 41  | 39  |
| 5   | 69  | 54  | 44  | 36  | 67  | 53  | 43  | 36  | 51  | 42  | 35  | 48  | 41  | 35  | 46  | 40  | 34  | 32  |
| 6   | 63  | 48  | 38  | 30  | 61  | 47  | 37  | 30  | 45  | 36  | 30  | 43  | 35  | 30  | 41  | 35  | 29  | 27  |
| 7   | 58  | 43  | 33  | 26  | 56  | 42  | 33  | 26  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 25  | 23  |
| 8   | 54  | 39  | 29  | 23  | 52  | 38  | 29  | 23  | 37  | 28  | 23  | 35  | 28  | 22  | 34  | 27  | 22  | 20  |
| 9   | 50  | 35  | 26  | 20  | 49  | 35  | 26  | 20  | 34  | 26  | 20  | 32  | 25  | 20  | 31  | 25  | 20  | 18  |
| 10  | 47  | 33  | 24  | 18  | 46  | 32  | 24  | 18  | 31  | 23  | 18  | 30  | 23  | 18  | 29  | 23  | 18  | 16  |

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

|     | 0°     | 90°    | 180°  | 270°  |
|-----|--------|--------|-------|-------|
| 0°  | 48318  | 48318  | 48318 | 48318 |
| 5°  | 50776  | 48330  | 35309 | 35515 |
| 10° | 43662  | 41989  | 19305 | 18852 |
| 15° | 42455  | 40358  | 12541 | 9451  |
| 20° | 48935  | 46890  | 6719  | 3360  |
| 25° | 61529  | 57554  | 4354  | 2613  |
| 30° | 73901  | 68869  | 3527  | 2139  |
| 35° | 87514  | 82109  | 2891  | 1718  |
| 40° | 105587 | 99404  | 2554  | 1299  |
| 45° | 120211 | 114970 | 2378  | 874   |
| 50° | 134856 | 129624 | 2349  | 534   |
| 55° | 152504 | 151966 | 2333  | 239   |
| 60° | 188192 | 192653 | 2127  | 69    |
| 65° | 209983 | 231581 | 1949  | 0     |
| 70° | 214114 | 261371 | 1806  | 0     |
| 75° | 174223 | 192785 | 1725  | 0     |
| 80° | 126676 | 80628  | 1777  | 0     |
| 85° | 81898  | 33864  | 2363  | 0     |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 511.5   | 2.9       |
| 10°-20°   | 1003.1  | 5.6       |
| 20°-30°   | 1388.1  | 7.8       |
| 30°-40°   | 1961.7  | 11.0      |
| 40°-50°   | 2670.9  | 14.9      |
| 50°-60°   | 3537.5  | 19.8      |
| 60°-70°   | 4107.3  | 22.9      |
| 70°-80°   | 2326.0  | 13.0      |
| 80°-90°   | 401.9   | 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°    | 2902.7  | 16.2      |
| 0°-40°    | 4864.4  | 27.2      |
| 0°-60°    | 11072.9 | 61.8      |
| 0°-90°    | 17908.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 17908.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180° | 270° | 360°  | Flux  |
|-----|-------|-------|------|------|-------|-------|
| 0°  | 6733  | 6733  | 6733 | 6733 | 6733  |       |
| 5°  | 7049  | 6709  | 4902 | 4930 | 7049  | 633   |
| 15° | 5715  | 5432  | 1688 | 1272 | 5715  | 1676  |
| 25° | 7771  | 7269  | 550  | 330  | 7771  | 3624  |
| 35° | 9990  | 9373  | 330  | 196  | 9990  | 6298  |
| 45° | 11845 | 11329 | 234  | 86   | 11845 | 9184  |
| 55° | 12190 | 12147 | 186  | 19   | 12190 | 11044 |
| 65° | 12367 | 13639 | 115  | 0    | 12367 | 12055 |
| 75° | 6284  | 6953  | 62   | 0    | 6284  | 6858  |
| 85° | 995   | 411   | 29   | 0    | 995   | 1195  |
| 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°    | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  | 6733.3  |
| 2.5°  | 6996.3  | 7144.6  | 7149.3  | 7216.3  | 7283.2  | 7283.2  | 7441.1  | 7402.8  | 7264.1  | 7240.2  | 7139.8  |
| 5°    | 7048.9  | 7101.5  | 7139.8  | 7479.3  | 7766.2  | 7737.5  | 7823.6  | 7766.2  | 7498.4  | 7154.1  | 6919.8  |
| 7.5°  | 6594.6  | 6652.0  | 6805.0  | 7383.7  | 7771.0  | 7900.1  | 8062.7  | 7704.1  | 7421.9  | 6800.2  | 6350.7  |
| 10°   | 5992.1  | 6102.0  | 6384.2  | 7044.1  | 7522.3  | 7933.6  | 7933.6  | 7646.7  | 7101.5  | 6494.2  | 5944.2  |
| 12.5° | 5657.3  | 5877.3  | 6030.3  | 6699.8  | 7321.5  | 7603.6  | 7594.1  | 7441.1  | 7087.2  | 6322.0  | 5700.3  |
| 15°   | 5714.7  | 5776.9  | 6102.0  | 6623.3  | 7034.6  | 7020.2  | 7192.4  | 7144.6  | 6895.9  | 6475.1  | 5791.2  |
| 17.5° | 5977.7  | 6073.4  | 6355.5  | 6623.3  | 6819.4  | 6762.0  | 6757.2  | 6986.7  | 7001.1  | 6733.3  | 6130.7  |
| 20°   | 6408.1  | 6690.3  | 6824.2  | 6905.5  | 6666.3  | 6422.5  | 6393.8  | 6714.2  | 6962.8  | 7063.3  | 6537.2  |
| 22.5° | 7096.7  | 7283.2  | 7555.8  | 7139.8  | 6518.1  | 6212.0  | 6154.6  | 6508.5  | 7010.7  | 7455.4  | 7063.3  |
| 25°   | 7771.0  | 7914.5  | 8177.5  | 7641.9  | 6685.5  | 6169.0  | 6068.6  | 6374.6  | 7192.4  | 8000.6  | 7699.3  |
| 27.5° | 8483.6  | 8607.9  | 8636.6  | 8010.1  | 6776.3  | 6082.9  | 5963.4  | 6374.6  | 7345.4  | 8287.5  | 8459.7  |
| 30°   | 8918.7  | 9067.0  | 9095.7  | 8335.3  | 6924.6  | 6154.6  | 6097.3  | 6403.3  | 7450.6  | 8531.4  | 9004.8  |
| 32.5° | 9406.5  | 9444.8  | 9420.9  | 8392.7  | 7087.2  | 6365.1  | 6126.0  | 6594.6  | 7570.2  | 8823.1  | 9502.2  |
| 35°   | 9989.9  | 10056.9 | 9813.0  | 8655.7  | 7450.6  | 6499.0  | 6412.9  | 6828.9  | 7775.8  | 8957.0  | 10104.7 |
| 37.5° | 10434.7 | 10645.1 | 10095.2 | 8756.1  | 7522.3  | 6781.1  | 6795.5  | 7316.7  | 7919.3  | 9119.6  | 10769.4 |
| 40°   | 11271.6 | 10917.7 | 10573.4 | 9100.5  | 7794.9  | 7259.3  | 7182.8  | 7818.8  | 8402.3  | 9224.8  | 11204.6 |
| 42.5° | 11730.7 | 11544.2 | 10759.9 | 9133.9  | 8215.8  | 7919.3  | 7938.4  | 8387.9  | 8655.7  | 9521.3  | 11324.2 |
| 45°   | 11845.4 | 11649.4 | 11013.3 | 9157.9  | 8631.8  | 8698.8  | 9028.7  | 9114.8  | 9028.7  | 9717.4  | 11548.9 |
| 47.5° | 12137.1 | 11711.5 | 10984.6 | 9478.3  | 9306.1  | 9564.3  | 9985.2  | 10171.7 | 9535.6  | 9645.6  | 11654.1 |
| 50°   | 12079.8 | 11835.9 | 10922.5 | 9612.2  | 10128.6 | 10812.5 | 11094.6 | 11018.1 | 10099.9 | 9497.4  | 11539.4 |
| 52.5° | 11840.6 | 11577.6 | 11113.8 | 9975.6  | 10898.6 | 11725.9 | 12118.0 | 11926.7 | 10602.1 | 9832.1  | 11462.9 |
| 55°   | 12189.7 | 11988.9 | 11362.4 | 10468.2 | 11477.2 | 12529.3 | 12806.6 | 12663.2 | 11219.0 | 10143.0 | 11898.0 |
| 57.5° | 12567.5 | 12524.5 | 12036.7 | 11046.8 | 12161.1 | 13356.6 | 13356.6 | 13179.7 | 11754.6 | 10592.5 | 12543.6 |
| 60°   | 13112.7 | 13208.3 | 12534.1 | 11429.4 | 12395.4 | 13308.8 | 14002.2 | 13796.6 | 12295.0 | 11381.6 | 13275.3 |
| 62.5° | 12935.8 | 13241.8 | 13174.9 | 12251.9 | 12663.2 | 13543.1 | 13920.9 | 14073.9 | 12964.5 | 12342.8 | 14250.9 |
| 65°   | 12366.7 | 12691.9 | 13170.1 | 12792.3 | 12462.3 | 12974.0 | 13165.3 | 13629.2 | 13299.2 | 13246.6 | 14652.6 |
| 67.5° | 11687.6 | 12041.5 | 12338.0 | 13155.7 | 12055.8 | 12395.4 | 12228.0 | 12376.3 | 12935.8 | 14236.5 | 14882.1 |
| 70°   | 10205.1 | 10544.7 | 11013.3 | 12347.6 | 10979.9 | 10673.8 | 10630.8 | 10559.0 | 11429.4 | 13882.6 | 13839.6 |
| 72.5° | 8392.7  | 8550.5  | 9325.2  | 10037.8 | 8124.9  | 8067.5  | 8134.5  | 8053.2  | 9062.2  | 12567.5 | 11855.0 |
| 75°   | 6283.8  | 6441.6  | 6881.5  | 7708.9  | 5533.0  | 5203.0  | 5585.6  | 5963.4  | 6919.8  | 9755.6  | 8517.0  |
| 77.5° | 4724.8  | 4925.6  | 5203.0  | 5767.3  | 4060.1  | 3543.6  | 3596.2  | 3954.9  | 5002.1  | 7814.1  | 4772.6  |
| 80°   | 3065.4  | 3041.5  | 3577.1  | 3969.2  | 3055.8  | 3151.4  | 3017.5  | 3280.6  | 3624.9  | 4179.6  | 2438.9  |
| 82.5° | 1769.4  | 1793.3  | 2018.1  | 2276.3  | 2128.1  | 2434.1  | 1755.1  | 2931.5  | 2587.2  | 1702.5  | 908.6   |
| 85°   | 994.7   | 1037.7  | 1243.4  | 1578.1  | 1334.2  | 894.3   | 731.7   | 1453.8  | 1625.9  | 698.2   | 440.0   |
| 87.5° | 100.4   | 86.1    | 167.4   | 597.8   | 363.4   | 148.2   | 220.0   | 349.1   | 392.1   | 263.0   | 129.1   |
| 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°    | 6733.3  | 6733.3  | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 |
| 2.5°  | 6996.3  | 6996.3  | 6876.8 | 6675.9 | 6594.6 | 6451.1 | 6255.1 | 6317.2 | 6250.3 | 6006.4 | 5944.2 |
| 5°    | 6709.4  | 6479.8  | 6231.2 | 5925.1 | 5748.2 | 5384.7 | 5269.9 | 5064.3 | 5097.8 | 4892.2 | 4901.7 |
| 7.5°  | 6111.6  | 5929.9  | 5509.1 | 5107.4 | 4758.3 | 4442.6 | 3997.9 | 3830.5 | 3667.9 | 3586.6 | 3682.3 |
| 10°   | 5762.5  | 5423.0  | 4849.1 | 4323.1 | 3859.2 | 3577.1 | 3280.6 | 3051.0 | 2840.6 | 2682.8 | 2649.3 |
| 12.5° | 5509.1  | 5207.8  | 4514.4 | 3873.6 | 3510.1 | 3280.6 | 3008.0 | 2692.4 | 2486.7 | 2214.1 | 2132.8 |
| 15°   | 5432.5  | 5064.3  | 4332.6 | 3696.6 | 3342.7 | 2964.9 | 2654.1 | 2343.3 | 2075.5 | 1788.5 | 1688.1 |
| 17.5° | 5695.6  | 5269.9  | 4327.9 | 3553.2 | 3055.8 | 2649.3 | 2218.9 | 1869.8 | 1597.2 | 1334.2 | 1272.1 |
| 20°   | 6140.3  | 5489.9  | 4466.5 | 3467.1 | 2783.2 | 2238.1 | 1750.3 | 1401.2 | 1095.1 | 923.0  | 879.9  |
| 22.5° | 6647.2  | 5862.9  | 4480.9 | 3237.5 | 2510.6 | 1826.8 | 1276.8 | 923.0  | 750.8  | 669.5  | 645.6  |
| 25°   | 7268.9  | 6460.7  | 4653.0 | 3051.0 | 2190.2 | 1386.8 | 908.6  | 707.8  | 607.3  | 559.5  | 549.9  |
| 27.5° | 7780.6  | 6876.8  | 4839.6 | 2855.0 | 1874.6 | 1028.2 | 712.5  | 578.6  | 526.0  | 478.2  | 473.4  |
| 30°   | 8311.4  | 7355.0  | 4892.2 | 2735.4 | 1602.0 | 846.4  | 612.1  | 511.7  | 454.3  | 430.4  | 425.6  |
| 32.5° | 8775.3  | 7876.2  | 5059.5 | 2539.3 | 1343.8 | 746.0  | 554.7  | 459.1  | 420.8  | 382.6  | 377.8  |
| 35°   | 9373.0  | 8177.5  | 5140.8 | 2434.1 | 1248.1 | 674.3  | 506.9  | 420.8  | 363.4  | 339.5  | 330.0  |
| 37.5° | 10013.9 | 8469.2  | 5193.4 | 2352.8 | 1166.8 | 631.2  | 478.2  | 396.9  | 344.3  | 310.8  | 301.3  |
| 40°   | 10611.6 | 8880.5  | 5116.9 | 2252.4 | 1104.7 | 578.6  | 459.1  | 368.2  | 320.4  | 286.9  | 272.6  |
| 42.5° | 11070.7 | 9282.2  | 5093.0 | 2156.8 | 1037.7 | 559.5  | 435.2  | 353.9  | 301.3  | 263.0  | 258.2  |
| 45°   | 11329.0 | 9554.8  | 4925.6 | 2080.2 | 985.1  | 569.1  | 425.6  | 334.8  | 286.9  | 253.5  | 234.3  |
| 47.5° | 11266.8 | 9765.2  | 4968.7 | 2056.3 | 913.4  | 530.8  | 420.8  | 320.4  | 263.0  | 234.3  | 220.0  |
| 50°   | 11611.1 | 10190.8 | 4896.9 | 1979.8 | 860.8  | 478.2  | 459.1  | 320.4  | 258.2  | 224.8  | 210.4  |
| 52.5° | 11668.5 | 10578.2 | 5050.0 | 1841.1 | 779.5  | 440.0  | 454.3  | 315.6  | 248.7  | 215.2  | 196.1  |
| 55°   | 12146.7 | 11027.7 | 5346.5 | 1764.6 | 712.5  | 382.6  | 416.0  | 306.1  | 224.8  | 196.1  | 186.5  |
| 57.5° | 12797.1 | 11960.2 | 5537.8 | 1692.9 | 621.7  | 334.8  | 349.1  | 301.3  | 205.6  | 181.7  | 167.4  |
| 60°   | 13423.5 | 12333.2 | 5552.1 | 1563.8 | 535.6  | 301.3  | 272.6  | 301.3  | 191.3  | 162.6  | 148.2  |
| 62.5° | 13892.2 | 12333.2 | 5456.5 | 1453.8 | 468.7  | 267.8  | 239.1  | 286.9  | 172.2  | 143.5  | 133.9  |
| 65°   | 13638.7 | 12003.2 | 5207.8 | 1362.9 | 425.6  | 234.3  | 205.6  | 220.0  | 153.0  | 124.3  | 114.8  |
| 67.5° | 13184.4 | 10975.1 | 4657.8 | 1252.9 | 420.8  | 205.6  | 176.9  | 162.6  | 133.9  | 110.0  | 100.4  |
| 70°   | 12457.5 | 9588.2  | 3878.3 | 1128.6 | 411.3  | 186.5  | 157.8  | 138.7  | 119.6  | 95.6   | 86.1   |
| 72.5° | 10037.8 | 7919.3  | 3184.9 | 1056.9 | 401.7  | 162.6  | 133.9  | 119.6  | 100.4  | 81.3   | 71.7   |
| 75°   | 6953.3  | 5059.5  | 2453.3 | 903.8  | 392.1  | 148.2  | 124.3  | 105.2  | 86.1   | 67.0   | 62.2   |
| 77.5° | 4170.1  | 3381.0  | 1582.9 | 679.1  | 258.2  | 119.6  | 105.2  | 81.3   | 71.7   | 57.4   | 52.6   |
| 80°   | 1951.1  | 1597.2  | 640.8  | 263.0  | 124.3  | 86.1   | 71.7   | 62.2   | 57.4   | 47.8   | 43.0   |
| 82.5° | 765.1   | 674.3   | 310.8  | 153.0  | 100.4  | 67.0   | 57.4   | 52.6   | 47.8   | 38.3   | 33.5   |
| 85°   | 411.3   | 363.4   | 148.2  | 105.2  | 71.7   | 47.8   | 47.8   | 43.0   | 38.3   | 33.5   | 28.7   |
| 87.5° | 90.9    | 67.0    | 62.2   | 62.2   | 52.6   | 38.3   | 38.3   | 33.5   | 28.7   | 23.9   | 19.1   |
| 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°    | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 |
| 2.5°  | 5910.8 | 5982.5 | 5867.7 | 5939.5 | 5839.0 | 5915.5 | 5925.1 | 5853.4 | 5872.5 | 5968.1 | 6011.2 |
| 5°    | 5035.6 | 4987.8 | 4882.6 | 4849.1 | 4853.9 | 4791.7 | 4815.6 | 4849.1 | 4901.7 | 4930.4 | 5016.5 |
| 7.5°  | 3629.7 | 3739.7 | 3734.9 | 3816.2 | 3821.0 | 3811.4 | 3744.4 | 3601.0 | 3648.8 | 3610.5 | 3658.4 |
| 10°   | 2596.7 | 2644.5 | 2735.4 | 2788.0 | 2883.6 | 2831.0 | 2678.0 | 2620.6 | 2591.9 | 2587.2 | 2635.0 |
| 12.5° | 2075.5 | 1960.7 | 1951.1 | 1970.3 | 2018.1 | 1955.9 | 1879.4 | 1812.4 | 1845.9 | 1912.9 | 1965.5 |
| 15°   | 1606.8 | 1511.2 | 1386.8 | 1367.7 | 1377.3 | 1348.6 | 1267.3 | 1181.2 | 1205.1 | 1272.1 | 1310.3 |
| 17.5° | 1233.8 | 1123.8 | 1037.7 | 980.3  | 961.2  | 860.8  | 741.2  | 669.5  | 650.4  | 645.6  | 679.1  |
| 20°   | 832.1  | 813.0  | 798.6  | 726.9  | 726.9  | 583.4  | 483.0  | 430.4  | 430.4  | 440.0  | 444.7  |
| 22.5° | 621.7  | 597.8  | 602.6  | 588.2  | 549.9  | 435.2  | 382.6  | 368.2  | 368.2  | 377.8  | 377.8  |
| 25°   | 540.4  | 506.9  | 497.3  | 492.6  | 454.3  | 373.0  | 334.8  | 320.4  | 320.4  | 330.0  | 330.0  |
| 27.5° | 459.1  | 449.5  | 435.2  | 416.0  | 382.6  | 320.4  | 296.5  | 282.1  | 286.9  | 291.7  | 286.9  |
| 30°   | 420.8  | 396.9  | 377.8  | 377.8  | 339.5  | 286.9  | 267.8  | 258.2  | 248.7  | 258.2  | 263.0  |
| 32.5° | 373.0  | 358.7  | 349.1  | 334.8  | 291.7  | 253.5  | 234.3  | 224.8  | 220.0  | 220.0  | 224.8  |
| 35°   | 320.4  | 320.4  | 310.8  | 291.7  | 253.5  | 229.5  | 205.6  | 196.1  | 191.3  | 196.1  | 196.1  |
| 37.5° | 286.9  | 272.6  | 277.4  | 258.2  | 224.8  | 200.9  | 176.9  | 167.4  | 167.4  | 162.6  | 167.4  |
| 40°   | 267.8  | 243.9  | 229.5  | 220.0  | 200.9  | 172.2  | 153.0  | 143.5  | 138.7  | 138.7  | 138.7  |
| 42.5° | 239.1  | 220.0  | 191.3  | 186.5  | 181.7  | 148.2  | 124.3  | 119.6  | 114.8  | 110.0  | 110.0  |
| 45°   | 224.8  | 196.1  | 172.2  | 148.2  | 148.2  | 124.3  | 105.2  | 95.6   | 90.9   | 86.1   | 90.9   |
| 47.5° | 205.6  | 176.9  | 148.2  | 124.3  | 119.6  | 100.4  | 81.3   | 71.7   | 67.0   | 67.0   | 67.0   |
| 50°   | 196.1  | 157.8  | 129.1  | 105.2  | 90.9   | 81.3   | 62.2   | 52.6   | 47.8   | 47.8   | 47.8   |
| 52.5° | 181.7  | 148.2  | 114.8  | 90.9   | 71.7   | 62.2   | 47.8   | 38.3   | 33.5   | 33.5   | 33.5   |
| 55°   | 162.6  | 133.9  | 100.4  | 76.5   | 62.2   | 47.8   | 33.5   | 23.9   | 19.1   | 19.1   | 19.1   |
| 57.5° | 153.0  | 119.6  | 86.1   | 67.0   | 47.8   | 33.5   | 19.1   | 14.3   | 14.3   | 9.6    | 14.3   |
| 60°   | 138.7  | 105.2  | 71.7   | 52.6   | 38.3   | 23.9   | 14.3   | 4.8    | 4.8    | 4.8    | 4.8    |
| 62.5° | 119.6  | 90.9   | 62.2   | 43.0   | 28.7   | 14.3   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 100.4  | 71.7   | 47.8   | 33.5   | 19.1   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 86.1   | 62.2   | 38.3   | 23.9   | 14.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 76.5   | 52.6   | 28.7   | 19.1   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 62.2   | 43.0   | 23.9   | 9.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 52.6   | 33.5   | 14.3   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 43.0   | 23.9   | 9.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 33.5   | 19.1   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 28.7   | 14.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 19.1   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 14.3   | 4.8    | 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°    | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3 | 6733.3  | 6733.3  | 6733.3  |
| 2.5°  | 6073.4 | 6044.7 | 6188.1 | 6422.5 | 6542.0 | 6776.3 | 6833.7 | 6982.0  | 6943.7  | 6996.3  |
| 5°    | 5026.1 | 5083.4 | 5293.9 | 5638.2 | 5762.5 | 6102.0 | 6422.5 | 6742.9  | 6948.5  | 7048.9  |
| 7.5°  | 3730.1 | 3921.4 | 4179.6 | 4495.2 | 4815.6 | 5260.4 | 5805.6 | 6178.6  | 6379.4  | 6594.6  |
| 10°   | 2778.4 | 2984.1 | 3280.6 | 3591.4 | 4112.7 | 4610.0 | 5155.2 | 5619.0  | 5791.2  | 5992.1  |
| 12.5° | 2185.5 | 2505.9 | 2850.2 | 3184.9 | 3495.8 | 3969.2 | 4643.5 | 5317.8  | 5504.3  | 5657.3  |
| 15°   | 1520.7 | 1912.9 | 2405.4 | 2840.6 | 3275.8 | 3687.1 | 4385.2 | 5203.0  | 5456.5  | 5714.7  |
| 17.5° | 841.7  | 1152.5 | 1716.8 | 2328.9 | 2969.7 | 3601.0 | 4471.3 | 5413.4  | 5796.0  | 5977.7  |
| 20°   | 487.8  | 612.1  | 1013.8 | 1740.7 | 2587.2 | 3414.5 | 4514.4 | 5810.3  | 6317.2  | 6408.1  |
| 22.5° | 401.7  | 444.7  | 573.9  | 1090.3 | 2118.5 | 3294.9 | 4734.3 | 6365.1  | 6881.5  | 7096.7  |
| 25°   | 344.3  | 377.8  | 444.7  | 655.2  | 1602.0 | 3041.5 | 4873.0 | 7058.5  | 7536.7  | 7771.0  |
| 27.5° | 306.1  | 339.5  | 392.1  | 483.0  | 1090.3 | 2692.4 | 5102.6 | 7684.9  | 8163.2  | 8483.6  |
| 30°   | 267.8  | 296.5  | 349.1  | 411.3  | 755.6  | 2300.2 | 5298.6 | 8144.0  | 8818.3  | 8918.7  |
| 32.5° | 239.1  | 263.0  | 301.3  | 353.9  | 559.5  | 1745.5 | 5456.5 | 8617.5  | 9186.5  | 9406.5  |
| 35°   | 205.6  | 234.3  | 258.2  | 301.3  | 425.6  | 1315.1 | 5360.8 | 8985.7  | 9726.9  | 9989.9  |
| 37.5° | 181.7  | 200.9  | 224.8  | 253.5  | 358.7  | 1028.2 | 5164.7 | 9425.7  | 10190.8 | 10434.7 |
| 40°   | 153.0  | 167.4  | 196.1  | 224.8  | 325.2  | 793.8  | 4940.0 | 9956.5  | 10841.2 | 11271.6 |
| 42.5° | 129.1  | 143.5  | 162.6  | 210.4  | 267.8  | 588.2  | 4485.7 | 10367.7 | 11367.2 | 11730.7 |
| 45°   | 100.4  | 119.6  | 148.2  | 210.4  | 215.2  | 435.2  | 4017.0 | 10673.8 | 11663.7 | 11845.4 |
| 47.5° | 76.5   | 95.6   | 143.5  | 181.7  | 172.2  | 301.3  | 3462.3 | 11022.9 | 11969.8 | 12137.1 |
| 50°   | 57.4   | 76.5   | 162.6  | 157.8  | 143.5  | 229.5  | 3113.2 | 11266.8 | 11988.9 | 12079.8 |
| 52.5° | 38.3   | 57.4   | 133.9  | 119.6  | 119.6  | 200.9  | 3017.5 | 11257.2 | 12036.7 | 11840.6 |
| 55°   | 28.7   | 43.0   | 76.5   | 86.1   | 105.2  | 176.9  | 2931.5 | 11615.9 | 12051.1 | 12189.7 |
| 57.5° | 19.1   | 33.5   | 52.6   | 67.0   | 90.9   | 153.0  | 2754.5 | 12046.3 | 12495.8 | 12567.5 |
| 60°   | 9.6    | 23.9   | 38.3   | 52.6   | 76.5   | 133.9  | 2505.9 | 12361.9 | 13036.2 | 13112.7 |
| 62.5° | 4.8    | 14.3   | 28.7   | 43.0   | 62.2   | 105.2  | 2247.6 | 11859.8 | 12801.9 | 12935.8 |
| 65°   | 0.0    | 9.6    | 19.1   | 28.7   | 38.3   | 76.5   | 1826.8 | 10707.3 | 11874.1 | 12366.7 |
| 67.5° | 0.0    | 0.0    | 9.6    | 19.1   | 23.9   | 57.4   | 1377.3 | 9741.3  | 11018.1 | 11687.6 |
| 70°   | 0.0    | 0.0    | 4.8    | 4.8    | 14.3   | 43.0   | 879.9  | 8067.5  | 9836.9  | 10205.1 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 4.8    | 28.7   | 511.7  | 5992.1  | 7708.9  | 8392.7  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 23.9   | 258.2  | 3854.4  | 5365.6  | 6283.8  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 19.1   | 138.7  | 2486.7  | 3954.9  | 4724.8  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.8    | 81.3   | 1444.2  | 2529.8  | 3065.4  |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 33.5   | 707.8   | 1511.2  | 1769.4  |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.6    | 377.8   | 755.6   | 994.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 14.3    | 52.6    | 100.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END OF REPORT)