

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: P598928

Luminaire Tested: **IFLD-L-SA7C-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598928  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-730-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

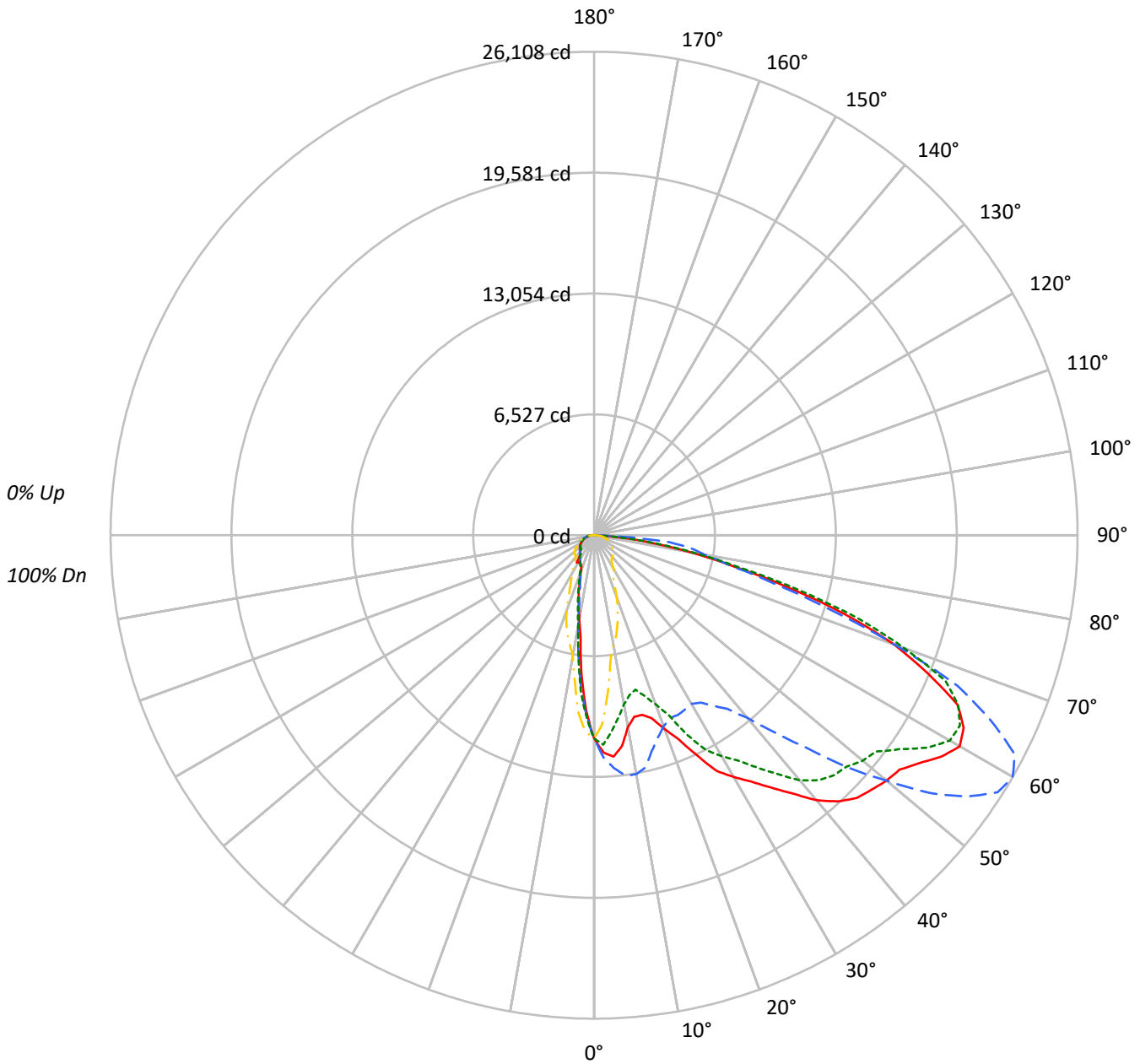
Lumens per Lamp: N/A  
 Luminaire Lumens: 34336.9 lumens  
 Efficiency: N/A  
 Efficacy: 93.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 369  
 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 | 94  | 89  | 103 | 97  | 92  | 88  | 93  | 89  | 85  | 89  | 85  | 82  | 85  | 82  | 80  | 77  |
| 2   | 94  | 83  | 75  | 68  | 91  | 81  | 74  | 67  | 78  | 71  | 65  | 74  | 69  | 64  | 71  | 66  | 62  | 60  |
| 3   | 84  | 71  | 61  | 53  | 81  | 69  | 60  | 53  | 66  | 58  | 52  | 63  | 56  | 51  | 60  | 55  | 50  | 47  |
| 4   | 75  | 61  | 51  | 43  | 73  | 60  | 50  | 42  | 57  | 48  | 42  | 54  | 47  | 41  | 52  | 46  | 40  | 38  |
| 5   | 68  | 53  | 43  | 35  | 66  | 52  | 42  | 35  | 50  | 41  | 34  | 48  | 40  | 34  | 46  | 39  | 34  | 31  |
| 6   | 63  | 47  | 37  | 30  | 60  | 46  | 37  | 29  | 44  | 36  | 29  | 42  | 35  | 29  | 41  | 34  | 29  | 26  |
| 7   | 58  | 42  | 32  | 25  | 56  | 41  | 32  | 25  | 40  | 31  | 25  | 38  | 31  | 25  | 37  | 30  | 25  | 22  |
| 8   | 53  | 38  | 29  | 22  | 52  | 37  | 28  | 22  | 36  | 28  | 22  | 35  | 27  | 22  | 33  | 27  | 22  | 19  |
| 9   | 50  | 35  | 26  | 20  | 48  | 34  | 26  | 20  | 33  | 25  | 19  | 32  | 25  | 19  | 31  | 24  | 19  | 17  |
| 10  | 46  | 32  | 23  | 18  | 45  | 31  | 23  | 18  | 30  | 23  | 17  | 29  | 22  | 17  | 28  | 22  | 17  | 15  |

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

|     | 0°     | 90°    | 180°  | 270°  |
|-----|--------|--------|-------|-------|
| 0°  | 59024  | 59024  | 59024 | 59024 |
| 5°  | 64845  | 57604  | 41310 | 45095 |
| 10° | 57438  | 50695  | 25056 | 26887 |
| 15° | 55929  | 48121  | 17738 | 18417 |
| 20° | 63772  | 55658  | 11603 | 12824 |
| 25° | 77699  | 70553  | 10131 | 10492 |
| 30° | 93618  | 85572  | 10507 | 9750  |
| 35° | 109184 | 100477 | 8707  | 8206  |
| 40° | 131200 | 121354 | 8133  | 7705  |
| 45° | 152685 | 139468 | 8232  | 7652  |
| 50° | 172554 | 158525 | 8417  | 7907  |
| 55° | 201237 | 188946 | 8718  | 8290  |
| 60° | 245441 | 238719 | 8690  | 8690  |
| 65° | 275833 | 276222 | 8923  | 9310  |
| 70° | 271085 | 280673 | 9347  | 9588  |
| 75° | 223618 | 238504 | 9819  | 10453 |
| 80° | 161454 | 169482 | 10857 | 11331 |
| 85° | 89354  | 95943  | 12227 | 15049 |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 852.0   | 2.5       |
| 10°-20°   | 1798.8  | 5.2       |
| 20°-30°   | 2631.9  | 7.7       |
| 30°-40°   | 3708.2  | 10.8      |
| 40°-50°   | 5096.2  | 14.8      |
| 50°-60°   | 6945.5  | 20.2      |
| 60°-70°   | 7601.5  | 22.1      |
| 70°-80°   | 4388.6  | 12.8      |
| 80°-90°   | 1314.2  | 3.8       |
| 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°    | 5282.7  | 15.4      |
| 0°-40°    | 8990.9  | 26.2      |
| 0°-60°    | 21032.5 | 61.3      |
| 0°-90°    | 34336.9 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 34336.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180°  | 270°  | 360°  | Flux  |
|-----|-------|-------|-------|-------|-------|-------|
| 0°  | 10967 | 10967 | 10967 | 10967 | 10967 |       |
| 5°  | 12003 | 10662 | 7646  | 8347  | 12003 | 1090  |
| 15° | 10038 | 8636  | 3184  | 3305  | 10038 | 2933  |
| 25° | 13084 | 11881 | 1706  | 1767  | 13084 | 6127  |
| 35° | 16618 | 15293 | 1325  | 1249  | 16618 | 10537 |
| 45° | 20060 | 18324 | 1082  | 1005  | 20060 | 15418 |
| 55° | 21447 | 20137 | 929   | 884   | 21447 | 19351 |
| 65° | 21660 | 21690 | 701   | 731   | 21660 | 20731 |
| 75° | 10754 | 11470 | 472   | 503   | 10754 | 11552 |
| 85° | 1447  | 1554  | 198   | 244   | 1447  | 2008  |
| 90° | 0     | 0     | 0     | 0     | 0     |       |

TEST NUMBER: P598928  
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 |
| 2.5°  | 11743.8 | 11698.1 | 11743.8 | 11911.4 | 11957.1 | 12033.2 | 12033.2 | 11926.6 | 11728.6 | 11637.2 | 11484.9 |
| 5°    | 12002.8 | 11926.6 | 12307.4 | 12657.8 | 12931.9 | 12901.5 | 12642.5 | 12429.3 | 12033.2 | 11439.2 | 10875.6 |
| 7.5°  | 11484.9 | 11561.1 | 11835.2 | 12749.2 | 13388.9 | 13510.7 | 13099.5 | 12673.0 | 11820.0 | 10997.5 | 10235.9 |
| 10°   | 10510.1 | 10616.7 | 11210.7 | 12155.1 | 13160.4 | 13358.4 | 13099.5 | 12581.6 | 11561.1 | 10540.5 | 9657.1  |
| 12.5° | 10037.9 | 10281.6 | 10631.9 | 11774.3 | 12490.2 | 12962.4 | 12840.5 | 12505.4 | 11363.0 | 10159.7 | 9306.7  |
| 15°   | 10037.9 | 10098.8 | 10616.7 | 11576.3 | 11987.6 | 12002.8 | 12048.5 | 12109.4 | 11424.0 | 10327.3 | 9184.9  |
| 17.5° | 10357.7 | 10525.3 | 10967.0 | 11561.1 | 11637.2 | 11454.4 | 11454.4 | 11713.4 | 11545.8 | 10799.5 | 9626.6  |
| 20°   | 11134.6 | 11073.6 | 11652.4 | 11896.2 | 11484.9 | 11027.9 | 10982.2 | 11424.0 | 11682.9 | 11302.1 | 10433.9 |
| 22.5° | 11911.4 | 12185.6 | 12657.8 | 12109.4 | 11347.8 | 10738.5 | 10677.6 | 11226.0 | 12094.2 | 12170.3 | 11363.0 |
| 25°   | 13084.3 | 13358.4 | 13602.1 | 12931.9 | 11332.6 | 10662.4 | 10708.1 | 11134.6 | 12596.8 | 13404.1 | 12916.7 |
| 27.5° | 14348.5 | 14516.1 | 14866.4 | 13830.6 | 11698.1 | 10571.0 | 10616.7 | 11256.4 | 13069.0 | 14211.4 | 14135.3 |
| 30°   | 15064.4 | 15247.2 | 15171.0 | 13998.2 | 11941.9 | 10631.9 | 10510.1 | 11424.0 | 12810.1 | 14211.4 | 14927.3 |
| 32.5° | 15765.1 | 15658.5 | 15612.8 | 14272.3 | 12246.5 | 11012.7 | 10708.1 | 11774.3 | 12962.4 | 14439.9 | 15947.9 |
| 35°   | 16618.1 | 16465.7 | 16343.9 | 14805.5 | 12749.2 | 11378.3 | 11241.2 | 12231.3 | 13297.5 | 14912.1 | 16770.4 |
| 37.5° | 17562.4 | 17562.4 | 16968.4 | 15201.5 | 13343.2 | 11972.3 | 11820.0 | 12886.2 | 13830.6 | 15201.5 | 17897.6 |
| 40°   | 18674.4 | 18720.1 | 17669.1 | 15734.6 | 14013.4 | 12916.7 | 12871.0 | 13739.2 | 14348.5 | 15628.0 | 18979.0 |
| 42.5° | 19496.9 | 19527.4 | 18278.4 | 15932.6 | 14790.2 | 14226.7 | 14424.7 | 15110.1 | 14942.6 | 16008.8 | 19055.2 |
| 45°   | 20060.5 | 19908.2 | 18704.8 | 16496.2 | 15643.2 | 16191.6 | 16252.5 | 16450.5 | 15719.4 | 16237.3 | 19359.8 |
| 47.5° | 20334.7 | 20304.2 | 18887.6 | 17151.2 | 17440.6 | 18187.0 | 18537.3 | 18263.1 | 16435.3 | 15993.6 | 19359.8 |
| 50°   | 20608.8 | 20349.9 | 19055.2 | 18049.9 | 19192.3 | 20700.2 | 20624.1 | 20121.4 | 17425.4 | 16298.2 | 19070.4 |
| 52.5° | 20791.6 | 20563.1 | 19390.3 | 18857.2 | 20867.8 | 22573.8 | 22878.4 | 21949.3 | 18583.0 | 16861.8 | 19207.5 |
| 55°   | 21446.6 | 21263.8 | 20395.6 | 19953.9 | 22802.2 | 24553.9 | 24599.6 | 23304.9 | 19801.5 | 17790.9 | 20106.2 |
| 57.5° | 22238.7 | 22345.3 | 21781.7 | 21507.5 | 24279.7 | 26001.0 | 25833.4 | 24310.2 | 20837.3 | 18918.1 | 21142.0 |
| 60°   | 22802.2 | 22969.8 | 22832.7 | 22863.2 | 25010.9 | 26488.4 | 26107.6 | 24934.7 | 21598.9 | 19771.1 | 22406.2 |
| 62.5° | 22497.6 | 22832.7 | 23396.3 | 23274.4 | 25041.3 | 26138.0 | 25604.9 | 24112.2 | 21690.3 | 20883.0 | 23365.8 |
| 65°   | 21659.8 | 21690.3 | 22787.0 | 23457.2 | 23670.5 | 24325.4 | 23624.8 | 22391.0 | 20745.9 | 21568.5 | 23228.7 |
| 67.5° | 19512.1 | 19755.9 | 20745.9 | 22055.9 | 21157.2 | 21309.5 | 21248.6 | 19466.4 | 19314.1 | 21096.3 | 22177.7 |
| 70°   | 17227.3 | 17394.9 | 18476.4 | 20014.8 | 17867.1 | 17151.2 | 17288.3 | 15963.1 | 16587.6 | 19634.0 | 20060.5 |
| 72.5° | 14241.9 | 14348.5 | 15582.3 | 16937.9 | 14333.3 | 13053.8 | 13373.7 | 12292.2 | 13175.6 | 17181.7 | 16922.7 |
| 75°   | 10753.8 | 10951.8 | 11911.4 | 13510.7 | 10555.7 | 9733.2  | 10053.1 | 9611.4  | 10433.9 | 14150.5 | 13129.9 |
| 77.5° | 7646.4  | 7494.1  | 8682.2  | 10571.0 | 7935.9  | 7448.4  | 7478.9  | 7555.1  | 8438.5  | 11926.6 | 9428.6  |
| 80°   | 5209.3  | 5255.0  | 6321.3  | 7753.1  | 6229.9  | 6153.7  | 6077.6  | 6686.8  | 7082.9  | 9443.8  | 6854.4  |
| 82.5° | 3092.1  | 3092.1  | 4264.9  | 5514.0  | 4919.9  | 5544.4  | 5194.1  | 5742.4  | 5544.4  | 6945.8  | 4493.4  |
| 85°   | 1447.0  | 1447.0  | 2193.4  | 3975.5  | 3808.0  | 4569.6  | 3884.1  | 4341.1  | 4097.4  | 4843.8  | 2025.9  |
| 87.5° | 243.7   | 213.2   | 441.7   | 1949.7  | 1568.9  | 1782.1  | 700.7   | 2315.3  | 2574.2  | 3381.5  | 502.7   |
| 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):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 |
| 2.5°  | 11317.3 | 11210.7 | 10997.5 | 10723.3 | 10494.8 | 10205.4 | 10114.0 | 9916.0  | 9641.8  | 9611.4  | 9489.5  |
| 5°    | 10662.4 | 10296.8 | 9839.8  | 9276.3  | 8895.5  | 8499.4  | 8164.3  | 7966.3  | 7737.8  | 7707.4  | 7646.4  |
| 7.5°  | 9946.5  | 9489.5  | 8727.9  | 8057.7  | 7402.7  | 6778.2  | 6473.6  | 6092.8  | 5833.8  | 5635.8  | 5544.4  |
| 10°   | 9276.3  | 8849.8  | 7905.4  | 6991.5  | 6412.7  | 6001.4  | 5635.8  | 5239.8  | 4919.9  | 4676.2  | 4584.8  |
| 12.5° | 8834.5  | 8331.9  | 7311.3  | 6443.1  | 6016.6  | 5544.4  | 5133.2  | 4706.7  | 4295.4  | 3975.5  | 3808.0  |
| 15°   | 8636.5  | 8164.3  | 7128.6  | 6168.9  | 5544.4  | 4889.5  | 4417.3  | 3990.8  | 3488.1  | 3259.6  | 3183.5  |
| 17.5° | 9108.7  | 8408.0  | 7067.6  | 5849.1  | 4965.6  | 4219.3  | 3640.4  | 3183.5  | 2817.9  | 2589.4  | 2498.0  |
| 20°   | 9718.0  | 8849.8  | 7174.3  | 5468.3  | 4417.3  | 3579.5  | 2939.8  | 2452.3  | 2208.6  | 2041.1  | 2025.9  |
| 22.5° | 10494.8 | 9504.7  | 7341.8  | 5194.1  | 3808.0  | 2878.8  | 2300.0  | 2010.6  | 1843.1  | 1827.8  | 1797.4  |
| 25°   | 11880.9 | 10692.8 | 7616.0  | 4828.5  | 3320.6  | 2376.2  | 1964.9  | 1797.4  | 1721.2  | 1675.5  | 1706.0  |
| 27.5° | 13069.0 | 11469.7 | 7814.0  | 4600.1  | 3122.6  | 2239.1  | 1904.0  | 1721.2  | 1645.1  | 1629.8  | 1645.1  |
| 30°   | 13769.7 | 12185.6 | 7753.1  | 4173.6  | 2726.5  | 2132.5  | 2025.9  | 1964.9  | 1812.6  | 1690.7  | 1690.7  |
| 32.5° | 14409.4 | 12642.5 | 7737.8  | 3792.8  | 2330.5  | 1782.1  | 1690.7  | 1645.1  | 1736.4  | 1797.4  | 1751.7  |
| 35°   | 15292.9 | 13358.4 | 7692.1  | 3579.5  | 2162.9  | 1645.1  | 1492.7  | 1370.9  | 1309.9  | 1279.5  | 1325.2  |
| 37.5° | 16237.3 | 13845.9 | 7570.3  | 3549.0  | 2071.5  | 1568.9  | 1447.0  | 1325.2  | 1264.3  | 1233.8  | 1218.6  |
| 40°   | 17273.0 | 14363.7 | 7433.2  | 3396.7  | 2025.9  | 1523.2  | 1401.3  | 1294.7  | 1218.6  | 1172.9  | 1157.6  |
| 42.5° | 17943.2 | 14775.0 | 7296.1  | 3320.6  | 1934.5  | 1492.7  | 1355.6  | 1264.3  | 1188.1  | 1127.2  | 1127.2  |
| 45°   | 18324.0 | 15262.4 | 7159.0  | 3244.4  | 1827.8  | 1508.0  | 1355.6  | 1233.8  | 1142.4  | 1111.9  | 1081.5  |
| 47.5° | 18491.6 | 15628.0 | 7113.3  | 3122.6  | 1736.4  | 1447.0  | 1325.2  | 1203.3  | 1111.9  | 1051.0  | 1035.8  |
| 50°   | 18933.3 | 16404.8 | 7280.9  | 3031.2  | 1629.8  | 1386.1  | 1401.3  | 1188.1  | 1096.7  | 1020.5  | 1005.3  |
| 52.5° | 19192.3 | 17029.3 | 7646.4  | 2894.1  | 1553.7  | 1309.9  | 1370.9  | 1157.6  | 1051.0  | 974.8   | 974.8   |
| 55°   | 20136.7 | 18065.1 | 8042.5  | 2787.4  | 1462.3  | 1203.3  | 1264.3  | 1096.7  | 974.8   | 929.1   | 929.1   |
| 57.5° | 21340.0 | 19161.8 | 8377.6  | 2741.8  | 1401.3  | 1127.2  | 1127.2  | 1066.2  | 929.1   | 868.2   | 853.0   |
| 60°   | 22177.7 | 20060.5 | 8575.6  | 2711.3  | 1340.4  | 1051.0  | 1005.3  | 1066.2  | 883.5   | 822.5   | 807.3   |
| 62.5° | 22269.1 | 19542.6 | 8377.6  | 2696.1  | 1325.2  | 974.8   | 913.9   | 1020.5  | 837.8   | 776.8   | 746.4   |
| 65°   | 21690.3 | 18491.6 | 7829.2  | 2635.1  | 1309.9  | 898.7   | 853.0   | 883.5   | 776.8   | 731.1   | 700.7   |
| 67.5° | 20532.7 | 16785.6 | 7037.2  | 2604.7  | 1294.7  | 837.8   | 776.8   | 761.6   | 715.9   | 670.2   | 639.7   |
| 70°   | 17836.6 | 14561.8 | 6108.0  | 2467.6  | 1264.3  | 792.1   | 700.7   | 685.4   | 639.7   | 609.3   | 594.0   |
| 72.5° | 14973.0 | 11911.4 | 5041.8  | 2284.8  | 1203.3  | 715.9   | 639.7   | 609.3   | 594.0   | 548.4   | 533.1   |
| 75°   | 11469.7 | 9169.6  | 4036.5  | 2025.9  | 1051.0  | 639.7   | 563.6   | 533.1   | 517.9   | 487.4   | 472.2   |
| 77.5° | 8057.7  | 6823.9  | 2985.5  | 1645.1  | 883.5   | 578.8   | 502.7   | 472.2   | 457.0   | 411.3   | 411.3   |
| 80°   | 5468.3  | 4782.8  | 2025.9  | 1142.4  | 685.4   | 472.2   | 441.7   | 411.3   | 380.8   | 350.3   | 350.3   |
| 82.5° | 3396.7  | 3351.0  | 1462.3  | 746.4   | 502.7   | 380.8   | 350.3   | 350.3   | 304.6   | 274.2   | 274.2   |
| 85°   | 1553.7  | 2056.3  | 1020.5  | 517.9   | 380.8   | 289.4   | 289.4   | 274.2   | 243.7   | 198.0   | 198.0   |
| 87.5° | 487.4   | 685.4   | 533.1   | 228.5   | 213.2   | 167.6   | 167.6   | 152.3   | 152.3   | 121.9   | 121.9   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

TEST NUMBER: P598928  
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 185°    | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 |
| 2.5°  | 9611.4  | 9596.1  | 9596.1  | 9535.2  | 9687.5  | 9687.5  | 9778.9  | 9702.8  | 9748.5  | 9763.7  | 9885.5  |
| 5°    | 7631.2  | 7753.1  | 7844.5  | 8027.2  | 8133.9  | 8179.6  | 8179.6  | 8301.4  | 8255.7  | 8347.1  | 8529.9  |
| 7.5°  | 5590.1  | 5742.4  | 6016.6  | 6245.1  | 6427.9  | 6488.8  | 6473.6  | 6504.0  | 6549.7  | 6443.1  | 6473.6  |
| 10°   | 4523.9  | 4417.3  | 4508.7  | 4721.9  | 4889.5  | 5087.5  | 4935.2  | 4919.9  | 4965.6  | 4919.9  | 5011.3  |
| 12.5° | 3777.5  | 3655.7  | 3579.5  | 3579.5  | 3701.4  | 3792.8  | 3747.1  | 3823.2  | 3990.8  | 4036.5  | 4143.1  |
| 15°   | 3061.6  | 2955.0  | 2894.1  | 2817.9  | 2939.8  | 2970.2  | 3015.9  | 3122.6  | 3244.4  | 3305.3  | 3427.2  |
| 17.5° | 2452.3  | 2452.3  | 2452.3  | 2391.4  | 2437.1  | 2482.8  | 2498.0  | 2635.1  | 2650.4  | 2711.3  | 2757.0  |
| 20°   | 2010.6  | 2056.3  | 2132.5  | 2162.9  | 2208.6  | 2208.6  | 2178.2  | 2254.3  | 2193.4  | 2239.1  | 2269.6  |
| 22.5° | 1812.6  | 1873.5  | 1904.0  | 1919.2  | 1980.2  | 1995.4  | 1919.2  | 1934.5  | 1949.7  | 1904.0  | 1919.2  |
| 25°   | 1706.0  | 1736.4  | 1706.0  | 1721.2  | 1736.4  | 1706.0  | 1721.2  | 1751.7  | 1736.4  | 1766.9  | 1751.7  |
| 27.5° | 1660.3  | 1629.8  | 1614.6  | 1599.4  | 1599.4  | 1568.9  | 1584.1  | 1584.1  | 1614.6  | 1629.8  | 1629.8  |
| 30°   | 1660.3  | 1614.6  | 1553.7  | 1508.0  | 1508.0  | 1462.3  | 1492.7  | 1523.2  | 1538.4  | 1568.9  | 1568.9  |
| 32.5° | 1706.0  | 1614.6  | 1508.0  | 1462.3  | 1416.6  | 1386.1  | 1416.6  | 1462.3  | 1523.2  | 1538.4  | 1553.7  |
| 35°   | 1355.6  | 1401.3  | 1386.1  | 1325.2  | 1309.9  | 1309.9  | 1294.7  | 1294.7  | 1249.0  | 1249.0  | 1233.8  |
| 37.5° | 1218.6  | 1203.3  | 1233.8  | 1249.0  | 1264.3  | 1218.6  | 1218.6  | 1157.6  | 1142.4  | 1157.6  | 1157.6  |
| 40°   | 1142.4  | 1142.4  | 1142.4  | 1188.1  | 1203.3  | 1172.9  | 1127.2  | 1096.7  | 1096.7  | 1096.7  | 1111.9  |
| 42.5° | 1111.9  | 1081.5  | 1066.2  | 1096.7  | 1142.4  | 1111.9  | 1066.2  | 1051.0  | 1051.0  | 1066.2  | 1066.2  |
| 45°   | 1066.2  | 1051.0  | 1035.8  | 1020.5  | 1081.5  | 1035.8  | 1020.5  | 1005.3  | 1005.3  | 1005.3  | 1020.5  |
| 47.5° | 1020.5  | 1005.3  | 974.8   | 974.8   | 990.1   | 974.8   | 959.6   | 959.6   | 959.6   | 990.1   | 990.1   |
| 50°   | 990.1   | 974.8   | 944.4   | 944.4   | 944.4   | 944.4   | 929.1   | 929.1   | 929.1   | 944.4   | 959.6   |
| 52.5° | 944.4   | 929.1   | 913.9   | 898.7   | 898.7   | 898.7   | 898.7   | 898.7   | 898.7   | 913.9   | 929.1   |
| 55°   | 898.7   | 883.5   | 868.2   | 868.2   | 883.5   | 883.5   | 868.2   | 883.5   | 868.2   | 883.5   | 898.7   |
| 57.5° | 853.0   | 837.8   | 822.5   | 837.8   | 853.0   | 837.8   | 837.8   | 837.8   | 837.8   | 837.8   | 853.0   |
| 60°   | 792.1   | 792.1   | 792.1   | 792.1   | 822.5   | 822.5   | 822.5   | 822.5   | 792.1   | 807.3   | 822.5   |
| 62.5° | 761.6   | 746.4   | 746.4   | 761.6   | 776.8   | 776.8   | 792.1   | 776.8   | 761.6   | 776.8   | 776.8   |
| 65°   | 700.7   | 700.7   | 700.7   | 715.9   | 715.9   | 731.1   | 731.1   | 731.1   | 715.9   | 731.1   | 731.1   |
| 67.5° | 655.0   | 655.0   | 655.0   | 655.0   | 685.4   | 685.4   | 685.4   | 685.4   | 670.2   | 670.2   | 685.4   |
| 70°   | 578.8   | 594.0   | 578.8   | 609.3   | 639.7   | 624.5   | 639.7   | 639.7   | 624.5   | 609.3   | 639.7   |
| 72.5° | 533.1   | 533.1   | 533.1   | 533.1   | 578.8   | 578.8   | 578.8   | 594.0   | 578.8   | 563.6   | 578.8   |
| 75°   | 472.2   | 472.2   | 472.2   | 487.4   | 517.9   | 517.9   | 517.9   | 517.9   | 517.9   | 502.7   | 502.7   |
| 77.5° | 411.3   | 426.5   | 411.3   | 426.5   | 457.0   | 441.7   | 457.0   | 472.2   | 457.0   | 441.7   | 441.7   |
| 80°   | 350.3   | 350.3   | 350.3   | 365.6   | 380.8   | 380.8   | 380.8   | 396.0   | 380.8   | 365.6   | 365.6   |
| 82.5° | 274.2   | 274.2   | 289.4   | 289.4   | 304.6   | 304.6   | 304.6   | 319.9   | 304.6   | 289.4   | 289.4   |
| 85°   | 213.2   | 213.2   | 213.2   | 228.5   | 228.5   | 243.7   | 243.7   | 258.9   | 258.9   | 243.7   | 243.7   |
| 87.5° | 137.1   | 121.9   | 137.1   | 137.1   | 152.3   | 152.3   | 137.1   | 121.9   | 137.1   | 121.9   | 106.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |





TEST NUMBER: P598928  
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 | 10967.0 |
| 2.5°  | 10007.4 | 10281.6 | 10479.6 | 10616.7 | 10814.7 | 11195.5 | 11347.8 | 11622.0 | 11698.1 | 11743.8 |
| 5°    | 8606.1  | 8895.5  | 9322.0  | 9626.6  | 9976.9  | 10692.8 | 11241.2 | 11652.4 | 11835.2 | 12002.8 |
| 7.5°  | 6747.8  | 7128.6  | 7570.3  | 7966.3  | 8545.1  | 9428.6  | 10144.5 | 10997.5 | 11317.3 | 11484.9 |
| 10°   | 5270.3  | 5620.6  | 6108.0  | 6595.4  | 7402.7  | 8149.1  | 9169.6  | 9946.5  | 10388.2 | 10510.1 |
| 12.5° | 4447.7  | 4859.0  | 5437.8  | 6031.9  | 6534.5  | 7387.5  | 8423.3  | 9550.4  | 9961.7  | 10037.9 |
| 15°   | 3777.5  | 4341.1  | 4935.2  | 5544.4  | 6123.2  | 6869.6  | 7981.5  | 9352.4  | 9961.7  | 10037.9 |
| 17.5° | 3122.6  | 3625.2  | 4325.9  | 4980.9  | 5651.1  | 6671.6  | 8057.7  | 9520.0  | 10129.3 | 10357.7 |
| 20°   | 2482.8  | 2970.2  | 3518.6  | 4341.1  | 5255.0  | 6336.5  | 8225.3  | 10083.6 | 10890.9 | 11134.6 |
| 22.5° | 2056.3  | 2269.6  | 2802.7  | 3594.7  | 4676.2  | 6108.0  | 8392.8  | 10967.0 | 11820.0 | 11911.4 |
| 25°   | 1797.4  | 1949.7  | 2284.8  | 3031.2  | 4219.3  | 5955.7  | 8788.8  | 11987.6 | 13084.3 | 13084.3 |
| 27.5° | 1675.5  | 1736.4  | 1964.9  | 2635.1  | 3899.4  | 5818.6  | 9184.9  | 13114.7 | 14135.3 | 14348.5 |
| 30°   | 1645.1  | 1797.4  | 1919.2  | 2345.7  | 3549.0  | 5437.8  | 9550.4  | 13998.2 | 15049.2 | 15064.4 |
| 32.5° | 1614.6  | 1584.1  | 1675.5  | 2041.1  | 3122.6  | 5041.8  | 9855.1  | 14896.9 | 15719.4 | 15765.1 |
| 35°   | 1264.3  | 1325.2  | 1477.5  | 1797.4  | 2802.7  | 4752.4  | 10007.4 | 15384.3 | 16572.4 | 16618.1 |
| 37.5° | 1188.1  | 1264.3  | 1386.1  | 1660.3  | 2589.4  | 4508.7  | 10053.1 | 16328.7 | 17471.1 | 17562.4 |
| 40°   | 1157.6  | 1218.6  | 1309.9  | 1538.4  | 2421.9  | 4204.0  | 10144.5 | 17303.5 | 18796.2 | 18674.4 |
| 42.5° | 1096.7  | 1172.9  | 1264.3  | 1477.5  | 2284.8  | 3975.5  | 10159.7 | 17836.6 | 19496.9 | 19496.9 |
| 45°   | 1081.5  | 1127.2  | 1233.8  | 1477.5  | 2132.5  | 3777.5  | 9916.0  | 18369.7 | 20304.2 | 20060.5 |
| 47.5° | 1020.5  | 1111.9  | 1203.3  | 1431.8  | 1949.7  | 3579.5  | 9626.6  | 18643.9 | 20410.8 | 20334.7 |
| 50°   | 1005.3  | 1096.7  | 1249.0  | 1355.6  | 1843.1  | 3488.1  | 9565.7  | 19329.4 | 20624.1 | 20608.8 |
| 52.5° | 974.8   | 1066.2  | 1294.7  | 1294.7  | 1706.0  | 3366.3  | 9855.1  | 19634.0 | 20669.8 | 20791.6 |
| 55°   | 929.1   | 1066.2  | 1203.3  | 1188.1  | 1584.1  | 3213.9  | 10174.9 | 20426.1 | 21477.1 | 21446.6 |
| 57.5° | 898.7   | 1035.8  | 1142.4  | 1081.5  | 1447.0  | 3107.3  | 10647.1 | 21187.7 | 22451.9 | 22238.7 |
| 60°   | 853.0   | 1035.8  | 1020.5  | 1005.3  | 1340.4  | 3015.9  | 11043.2 | 21340.0 | 22665.2 | 22802.2 |
| 62.5° | 822.5   | 1081.5  | 898.7   | 929.1   | 1249.0  | 2970.2  | 10875.6 | 20197.6 | 22375.7 | 22497.6 |
| 65°   | 792.1   | 929.1   | 822.5   | 853.0   | 1218.6  | 2878.8  | 10220.6 | 18826.7 | 21126.7 | 21659.8 |
| 67.5° | 731.1   | 761.6   | 761.6   | 792.1   | 1188.1  | 2665.6  | 8880.2  | 16359.1 | 19222.7 | 19512.1 |
| 70°   | 670.2   | 685.4   | 685.4   | 731.1   | 1157.6  | 2421.9  | 7326.6  | 14150.5 | 16679.0 | 17227.3 |
| 72.5° | 609.3   | 609.3   | 609.3   | 670.2   | 1066.2  | 2223.9  | 6031.9  | 10875.6 | 13861.1 | 14241.9 |
| 75°   | 533.1   | 533.1   | 533.1   | 594.0   | 959.6   | 2025.9  | 4752.4  | 8088.2  | 10205.4 | 10753.8 |
| 77.5° | 472.2   | 472.2   | 457.0   | 533.1   | 837.8   | 1645.1  | 3427.2  | 5712.0  | 7189.5  | 7646.4  |
| 80°   | 396.0   | 380.8   | 380.8   | 426.5   | 655.0   | 1188.1  | 2208.6  | 4036.5  | 5011.3  | 5209.3  |
| 82.5° | 319.9   | 304.6   | 289.4   | 319.9   | 472.2   | 746.4   | 1370.9  | 2817.9  | 3213.9  | 3092.1  |
| 85°   | 304.6   | 319.9   | 258.9   | 243.7   | 335.1   | 487.4   | 868.2   | 1736.4  | 1447.0  | 1447.0  |
| 87.5° | 121.9   | 106.6   | 106.6   | 91.4    | 167.6   | 182.8   | 380.8   | 319.9   | 243.7   | 243.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)