

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: P599378

Luminaire Tested: **IFLD-S-SA3D-722-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

**Test Information**

Test Method: LM-79-08  
 Report Number: P599378  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3D-722-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (48) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

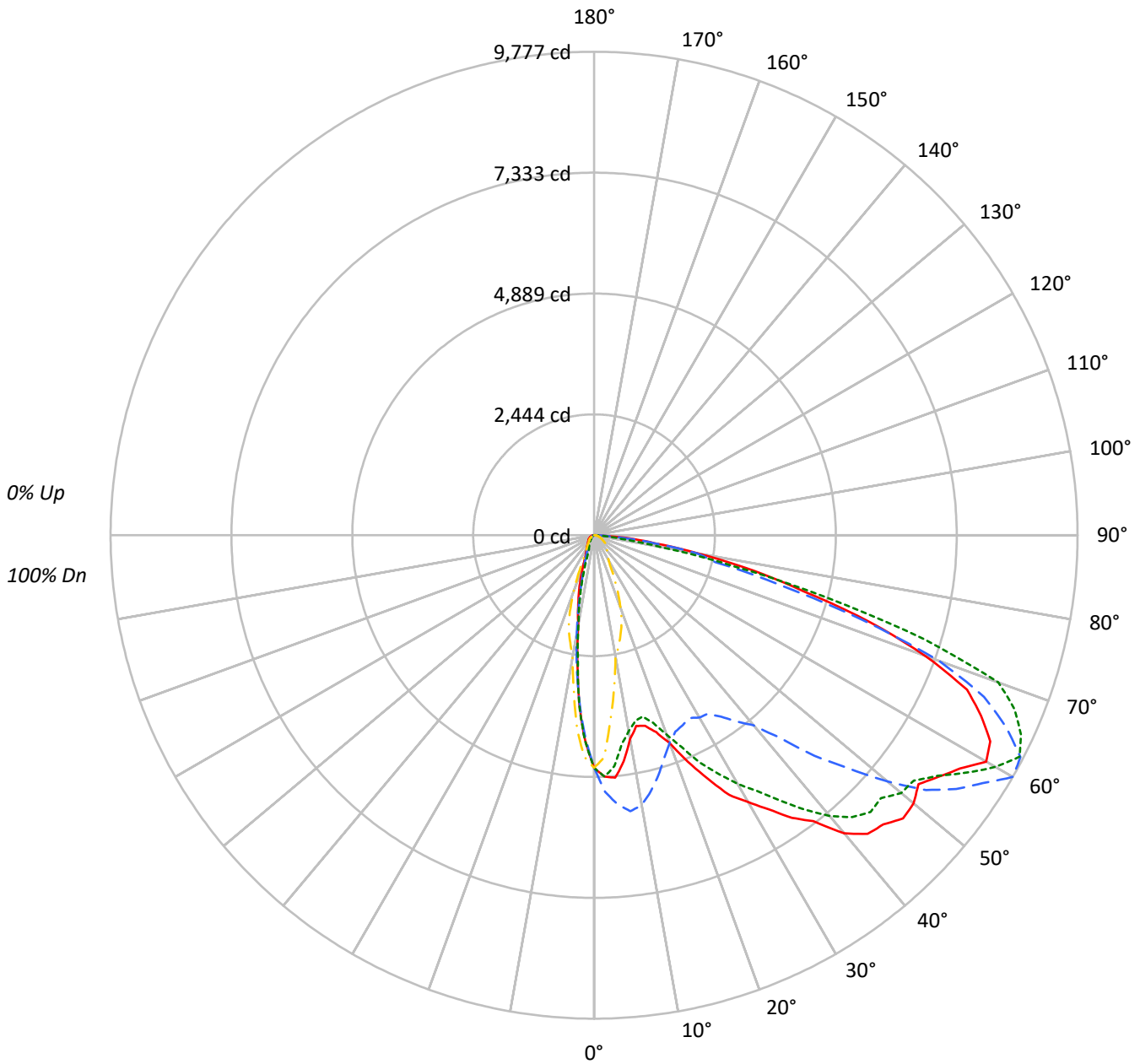
Lumens per Lamp: N/A  
 Luminaire Lumens: 12504.1 lumens  
 Efficiency: N/A  
 Efficacy: 67.9 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 184.1  
 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            |

TEST NUMBER: P599378  
CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°

TEST NUMBER: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 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°  | 67475  | 67475  | 67475 | 67475 |
| 5°  | 70907  | 67493  | 49308 | 49597 |
| 10° | 60973  | 58637  | 26959 | 26327 |
| 15° | 59287  | 56360  | 17513 | 13197 |
| 20° | 68337  | 65481  | 9384  | 4692  |
| 25° | 85924  | 80372  | 6081  | 3649  |
| 30° | 103201 | 96175  | 4925  | 2988  |
| 35° | 122212 | 114664 | 4037  | 2399  |
| 40° | 147451 | 138817 | 3565  | 1814  |
| 45° | 167871 | 160552 | 3321  | 1220  |
| 50° | 188324 | 181016 | 3280  | 746   |
| 55° | 212970 | 212217 | 3258  | 335   |
| 60° | 262806 | 269035 | 2971  | 95    |
| 65° | 293237 | 323399 | 2720  | 0     |
| 70° | 299005 | 365003 | 2522  | 0     |
| 75° | 243299 | 269217 | 2407  | 0     |
| 80° | 176902 | 112601 | 2488  | 0     |
| 85° | 114363 | 47293  | 3293  | 0     |

TEST NUMBER: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 357.2   | 2.9       |
| 10°-20°   | 700.4   | 5.6       |
| 20°-30°   | 969.2   | 7.8       |
| 30°-40°   | 1369.8  | 11.0      |
| 40°-50°   | 1865.0  | 14.9      |
| 50°-60°   | 2470.0  | 19.8      |
| 60°-70°   | 2867.9  | 22.9      |
| 70°-80°   | 1624.1  | 13.0      |
| 80°-90°   | 280.6   | 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°    | 2026.8  | 16.2      |
| 0°-40°    | 3396.5  | 27.2      |
| 0°-60°    | 7731.5  | 61.8      |
| 0°-90°    | 12504.1 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 12504.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4702 | 4702 | 4702 | 4702 | 4702 |      |
| 5°  | 4922 | 4685 | 3423 | 3443 | 4922 | 442  |
| 15° | 3990 | 3793 | 1179 | 888  | 3990 | 1170 |
| 25° | 5426 | 5075 | 384  | 230  | 5426 | 2531 |
| 35° | 6975 | 6545 | 230  | 137  | 6975 | 4397 |
| 45° | 8271 | 7910 | 164  | 60   | 8271 | 6412 |
| 55° | 8511 | 8481 | 130  | 13   | 8511 | 7711 |
| 65° | 8635 | 9523 | 80   | 0    | 8635 | 8417 |
| 75° | 4388 | 4855 | 43   | 0    | 4388 | 4789 |
| 85° | 694  | 287  | 20   | 0    | 694  | 834  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5  |
| 2.5°  | 4885.1 | 4988.6 | 4992.0 | 5038.7 | 5085.4 | 5085.4 | 5195.6 | 5168.9 | 5072.1 | 5055.4 | 4985.3  |
| 5°    | 4921.8 | 4958.6 | 4985.3 | 5222.4 | 5422.7 | 5402.7 | 5462.8 | 5422.7 | 5235.7 | 4995.3 | 4831.7  |
| 7.5°  | 4604.6 | 4644.7 | 4751.5 | 5155.6 | 5426.0 | 5516.2 | 5629.7 | 5379.3 | 5182.3 | 4748.2 | 4434.3  |
| 10°   | 4183.9 | 4260.7 | 4457.7 | 4918.5 | 5252.4 | 5539.6 | 5539.6 | 5339.2 | 4958.6 | 4534.5 | 4150.5  |
| 12.5° | 3950.2 | 4103.8 | 4210.6 | 4678.1 | 5112.2 | 5309.2 | 5302.5 | 5195.6 | 4948.5 | 4414.3 | 3980.2  |
| 15°   | 3990.2 | 4033.6 | 4260.7 | 4624.7 | 4911.8 | 4901.8 | 5022.0 | 4988.6 | 4815.0 | 4521.1 | 4043.6  |
| 17.5° | 4173.9 | 4240.7 | 4437.7 | 4624.7 | 4761.6 | 4721.5 | 4718.1 | 4878.4 | 4888.4 | 4701.5 | 4280.7  |
| 20°   | 4474.4 | 4671.4 | 4764.9 | 4821.7 | 4654.7 | 4484.4 | 4464.4 | 4688.1 | 4861.7 | 4931.8 | 4564.5  |
| 22.5° | 4955.2 | 5085.4 | 5275.8 | 4985.3 | 4551.2 | 4337.5 | 4297.4 | 4544.5 | 4895.1 | 5205.7 | 4931.8  |
| 25°   | 5426.0 | 5526.2 | 5709.9 | 5335.9 | 4668.1 | 4307.4 | 4237.3 | 4451.0 | 5022.0 | 5586.3 | 5375.9  |
| 27.5° | 5923.6 | 6010.4 | 6030.4 | 5593.0 | 4731.5 | 4247.3 | 4163.9 | 4451.0 | 5128.9 | 5786.7 | 5906.9  |
| 30°   | 6227.4 | 6330.9 | 6351.0 | 5820.0 | 4835.0 | 4297.4 | 4257.4 | 4471.1 | 5202.3 | 5957.0 | 6287.5  |
| 32.5° | 6568.0 | 6594.7 | 6578.0 | 5860.1 | 4948.5 | 4444.3 | 4277.4 | 4604.6 | 5285.8 | 6160.6 | 6634.8  |
| 35°   | 6975.4 | 7022.1 | 6851.8 | 6043.8 | 5202.3 | 4537.8 | 4477.7 | 4768.2 | 5429.4 | 6254.1 | 7055.5  |
| 37.5° | 7285.9 | 7432.8 | 7048.8 | 6113.9 | 5252.4 | 4734.8 | 4744.9 | 5108.8 | 5529.5 | 6367.7 | 7519.7  |
| 40°   | 7870.3 | 7623.2 | 7382.7 | 6354.3 | 5442.7 | 5068.8 | 5015.3 | 5459.4 | 5866.8 | 6441.1 | 7823.5  |
| 42.5° | 8190.8 | 8060.6 | 7513.0 | 6377.7 | 5736.6 | 5529.5 | 5542.9 | 5856.8 | 6043.8 | 6648.1 | 7907.0  |
| 45°   | 8270.9 | 8134.0 | 7689.9 | 6394.4 | 6027.1 | 6073.8 | 6304.2 | 6364.3 | 6304.2 | 6785.0 | 8063.9  |
| 47.5° | 8474.6 | 8177.5 | 7669.9 | 6618.1 | 6497.9 | 6678.2 | 6972.0 | 7102.3 | 6658.2 | 6735.0 | 8137.4  |
| 50°   | 8434.6 | 8264.3 | 7626.5 | 6711.6 | 7072.2 | 7549.7 | 7746.7 | 7693.3 | 7052.2 | 6631.4 | 8057.2  |
| 52.5° | 8267.6 | 8084.0 | 7760.1 | 6965.4 | 7609.8 | 8187.5 | 8461.3 | 8327.7 | 7402.8 | 6865.2 | 8003.8  |
| 55°   | 8511.4 | 8371.1 | 7933.7 | 7309.3 | 8013.8 | 8748.4 | 8942.1 | 8841.9 | 7833.5 | 7082.2 | 8307.7  |
| 57.5° | 8775.2 | 8745.1 | 8404.5 | 7713.3 | 8491.3 | 9326.1 | 9326.1 | 9202.6 | 8207.5 | 7396.1 | 8758.5  |
| 60°   | 9155.8 | 9222.6 | 8751.8 | 7980.4 | 8654.9 | 9292.7 | 9776.9 | 9633.3 | 8584.8 | 7947.1 | 9269.3  |
| 62.5° | 9032.3 | 9246.0 | 9199.2 | 8554.8 | 8841.9 | 9456.3 | 9720.1 | 9827.0 | 9052.3 | 8618.2 | 9950.5  |
| 65°   | 8634.9 | 8862.0 | 9195.9 | 8932.1 | 8701.7 | 9059.0 | 9192.5 | 9516.4 | 9286.0 | 9249.3 | 10231.0 |
| 67.5° | 8160.8 | 8407.9 | 8614.9 | 9185.9 | 8417.9 | 8654.9 | 8538.1 | 8641.6 | 9032.3 | 9940.5 | 10391.3 |
| 70°   | 7125.6 | 7362.7 | 7689.9 | 8621.6 | 7666.6 | 7452.9 | 7422.8 | 7372.7 | 7980.4 | 9693.4 | 9663.4  |
| 72.5° | 5860.1 | 5970.3 | 6511.2 | 7008.8 | 5673.1 | 5633.1 | 5679.8 | 5623.0 | 6327.6 | 8775.2 | 8277.6  |
| 75°   | 4387.6 | 4497.8 | 4805.0 | 5382.6 | 3863.3 | 3632.9 | 3900.1 | 4163.9 | 4831.7 | 6811.8 | 5946.9  |
| 77.5° | 3299.0 | 3439.3 | 3632.9 | 4027.0 | 2834.9 | 2474.3 | 2511.0 | 2761.4 | 3492.7 | 5456.1 | 3332.4  |
| 80°   | 2140.4 | 2123.7 | 2497.6 | 2771.5 | 2133.7 | 2200.5 | 2107.0 | 2290.6 | 2531.0 | 2918.4 | 1702.9  |
| 82.5° | 1235.5 | 1252.2 | 1409.1 | 1589.4 | 1485.9 | 1699.6 | 1225.4 | 2046.9 | 1806.5 | 1188.7 | 634.4   |
| 85°   | 694.5  | 724.6  | 868.2  | 1101.9 | 931.6  | 624.4  | 510.9  | 1015.1 | 1135.3 | 487.5  | 307.2   |
| 87.5° | 70.1   | 60.1   | 116.9  | 417.4  | 253.8  | 103.5  | 153.6  | 243.8  | 273.8  | 183.7  | 90.2    |
| 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: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 |
| 2.5°  | 4885.1 | 4885.1 | 4801.6 | 4661.4 | 4604.6 | 4504.4 | 4367.5 | 4410.9 | 4364.2 | 4193.9 | 4150.5 |
| 5°    | 4684.8 | 4524.5 | 4350.8 | 4137.1 | 4013.6 | 3759.8 | 3679.7 | 3536.1 | 3559.5 | 3415.9 | 3422.6 |
| 7.5°  | 4267.4 | 4140.5 | 3846.6 | 3566.2 | 3322.4 | 3102.0 | 2791.5 | 2674.6 | 2561.1 | 2504.3 | 2571.1 |
| 10°   | 4023.6 | 3786.5 | 3385.8 | 3018.5 | 2694.7 | 2497.6 | 2290.6 | 2130.3 | 1983.4 | 1873.2 | 1849.9 |
| 12.5° | 3846.6 | 3636.3 | 3152.1 | 2704.7 | 2450.9 | 2290.6 | 2100.3 | 1879.9 | 1736.3 | 1546.0 | 1489.2 |
| 15°   | 3793.2 | 3536.1 | 3025.2 | 2581.1 | 2334.0 | 2070.2 | 1853.2 | 1636.2 | 1449.2 | 1248.8 | 1178.7 |
| 17.5° | 3976.9 | 3679.7 | 3021.9 | 2481.0 | 2133.7 | 1849.9 | 1549.3 | 1305.6 | 1115.3 | 931.6  | 888.2  |
| 20°   | 4287.4 | 3833.3 | 3118.7 | 2420.8 | 1943.4 | 1562.7 | 1222.1 | 978.4  | 764.7  | 644.4  | 614.4  |
| 22.5° | 4641.3 | 4093.7 | 3128.7 | 2260.6 | 1753.0 | 1275.5 | 891.5  | 644.4  | 524.2  | 467.5  | 450.8  |
| 25°   | 5075.4 | 4511.1 | 3248.9 | 2130.3 | 1529.3 | 968.3  | 634.4  | 494.2  | 424.1  | 390.7  | 384.0  |
| 27.5° | 5432.7 | 4801.6 | 3379.2 | 1993.4 | 1308.9 | 717.9  | 497.5  | 404.0  | 367.3  | 333.9  | 330.6  |
| 30°   | 5803.4 | 5135.5 | 3415.9 | 1910.0 | 1118.6 | 591.0  | 427.4  | 357.3  | 317.2  | 300.5  | 297.2  |
| 32.5° | 6127.2 | 5499.5 | 3532.8 | 1773.1 | 938.3  | 520.9  | 387.3  | 320.6  | 293.8  | 267.1  | 263.8  |
| 35°   | 6544.6 | 5709.9 | 3589.5 | 1699.6 | 871.5  | 470.8  | 353.9  | 293.8  | 253.8  | 237.1  | 230.4  |
| 37.5° | 6992.1 | 5913.5 | 3626.3 | 1642.8 | 814.7  | 440.8  | 333.9  | 277.1  | 240.4  | 217.0  | 210.4  |
| 40°   | 7409.5 | 6200.7 | 3572.8 | 1572.7 | 771.3  | 404.0  | 320.6  | 257.1  | 223.7  | 200.3  | 190.3  |
| 42.5° | 7730.0 | 6481.2 | 3556.1 | 1505.9 | 724.6  | 390.7  | 303.9  | 247.1  | 210.4  | 183.7  | 180.3  |
| 45°   | 7910.3 | 6671.5 | 3439.3 | 1452.5 | 687.9  | 397.4  | 297.2  | 233.7  | 200.3  | 177.0  | 163.6  |
| 47.5° | 7866.9 | 6818.4 | 3469.3 | 1435.8 | 637.8  | 370.6  | 293.8  | 223.7  | 183.7  | 163.6  | 153.6  |
| 50°   | 8107.3 | 7115.6 | 3419.2 | 1382.4 | 601.0  | 333.9  | 320.6  | 223.7  | 180.3  | 156.9  | 146.9  |
| 52.5° | 8147.4 | 7386.1 | 3526.1 | 1285.6 | 544.3  | 307.2  | 317.2  | 220.4  | 173.6  | 150.3  | 136.9  |
| 55°   | 8481.3 | 7700.0 | 3733.1 | 1232.1 | 497.5  | 267.1  | 290.5  | 213.7  | 156.9  | 136.9  | 130.2  |
| 57.5° | 8935.4 | 8351.1 | 3866.7 | 1182.0 | 434.1  | 233.7  | 243.8  | 210.4  | 143.6  | 126.9  | 116.9  |
| 60°   | 9372.8 | 8611.5 | 3876.7 | 1091.9 | 374.0  | 210.4  | 190.3  | 210.4  | 133.6  | 113.5  | 103.5  |
| 62.5° | 9700.1 | 8611.5 | 3809.9 | 1015.1 | 327.2  | 187.0  | 167.0  | 200.3  | 120.2  | 100.2  | 93.5   |
| 65°   | 9523.1 | 8381.1 | 3636.3 | 951.6  | 297.2  | 163.6  | 143.6  | 153.6  | 106.9  | 86.8   | 80.1   |
| 67.5° | 9205.9 | 7663.2 | 3252.3 | 874.8  | 293.8  | 143.6  | 123.5  | 113.5  | 93.5   | 76.8   | 70.1   |
| 70°   | 8698.4 | 6694.9 | 2708.0 | 788.0  | 287.2  | 130.2  | 110.2  | 96.8   | 83.5   | 66.8   | 60.1   |
| 72.5° | 7008.8 | 5529.5 | 2223.8 | 737.9  | 280.5  | 113.5  | 93.5   | 83.5   | 70.1   | 56.8   | 50.1   |
| 75°   | 4855.0 | 3532.8 | 1713.0 | 631.1  | 273.8  | 103.5  | 86.8   | 73.5   | 60.1   | 46.7   | 43.4   |
| 77.5° | 2911.7 | 2360.7 | 1105.2 | 474.2  | 180.3  | 83.5   | 73.5   | 56.8   | 50.1   | 40.1   | 36.7   |
| 80°   | 1362.4 | 1115.3 | 447.4  | 183.7  | 86.8   | 60.1   | 50.1   | 43.4   | 40.1   | 33.4   | 30.1   |
| 82.5° | 534.3  | 470.8  | 217.0  | 106.9  | 70.1   | 46.7   | 40.1   | 36.7   | 33.4   | 26.7   | 23.4   |
| 85°   | 287.2  | 253.8  | 103.5  | 73.5   | 50.1   | 33.4   | 33.4   | 30.1   | 26.7   | 23.4   | 20.0   |
| 87.5° | 63.4   | 46.7   | 43.4   | 43.4   | 36.7   | 26.7   | 26.7   | 23.4   | 20.0   | 16.7   | 13.4   |
| 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: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 |
| 2.5°  | 4127.1 | 4177.2 | 4097.1 | 4147.2 | 4077.0 | 4130.5 | 4137.1 | 4087.1 | 4100.4 | 4167.2 | 4197.2 |
| 5°    | 3516.1 | 3482.7 | 3409.2 | 3385.8 | 3389.2 | 3345.8 | 3362.5 | 3385.8 | 3422.6 | 3442.6 | 3502.7 |
| 7.5°  | 2534.4 | 2611.2 | 2607.8 | 2664.6 | 2667.9 | 2661.3 | 2614.5 | 2514.3 | 2547.7 | 2521.0 | 2554.4 |
| 10°   | 1813.1 | 1846.5 | 1910.0 | 1946.7 | 2013.5 | 1976.7 | 1869.9 | 1829.8 | 1809.8 | 1806.5 | 1839.8 |
| 12.5° | 1449.2 | 1369.0 | 1362.4 | 1375.7 | 1409.1 | 1365.7 | 1312.3 | 1265.5 | 1288.9 | 1335.6 | 1372.4 |
| 15°   | 1121.9 | 1055.2 | 968.3  | 955.0  | 961.7  | 941.6  | 884.9  | 824.8  | 841.5  | 888.2  | 914.9  |
| 17.5° | 861.5  | 784.7  | 724.6  | 684.5  | 671.2  | 601.0  | 517.6  | 467.5  | 454.1  | 450.8  | 474.2  |
| 20°   | 581.0  | 567.6  | 557.6  | 507.5  | 507.5  | 407.4  | 337.2  | 300.5  | 300.5  | 307.2  | 310.5  |
| 22.5° | 434.1  | 417.4  | 420.7  | 410.7  | 384.0  | 303.9  | 267.1  | 257.1  | 257.1  | 263.8  | 263.8  |
| 25°   | 377.3  | 353.9  | 347.3  | 343.9  | 317.2  | 260.4  | 233.7  | 223.7  | 223.7  | 230.4  | 230.4  |
| 27.5° | 320.6  | 313.9  | 303.9  | 290.5  | 267.1  | 223.7  | 207.0  | 197.0  | 200.3  | 203.7  | 200.3  |
| 30°   | 293.8  | 277.1  | 263.8  | 263.8  | 237.1  | 200.3  | 187.0  | 180.3  | 173.6  | 180.3  | 183.7  |
| 32.5° | 260.4  | 250.4  | 243.8  | 233.7  | 203.7  | 177.0  | 163.6  | 156.9  | 153.6  | 153.6  | 156.9  |
| 35°   | 223.7  | 223.7  | 217.0  | 203.7  | 177.0  | 160.3  | 143.6  | 136.9  | 133.6  | 136.9  | 136.9  |
| 37.5° | 200.3  | 190.3  | 193.7  | 180.3  | 156.9  | 140.2  | 123.5  | 116.9  | 116.9  | 113.5  | 116.9  |
| 40°   | 187.0  | 170.3  | 160.3  | 153.6  | 140.2  | 120.2  | 106.9  | 100.2  | 96.8   | 96.8   | 96.8   |
| 42.5° | 167.0  | 153.6  | 133.6  | 130.2  | 126.9  | 103.5  | 86.8   | 83.5   | 80.1   | 76.8   | 76.8   |
| 45°   | 156.9  | 136.9  | 120.2  | 103.5  | 103.5  | 86.8   | 73.5   | 66.8   | 63.4   | 60.1   | 63.4   |
| 47.5° | 143.6  | 123.5  | 103.5  | 86.8   | 83.5   | 70.1   | 56.8   | 50.1   | 46.7   | 46.7   | 46.7   |
| 50°   | 136.9  | 110.2  | 90.2   | 73.5   | 63.4   | 56.8   | 43.4   | 36.7   | 33.4   | 33.4   | 33.4   |
| 52.5° | 126.9  | 103.5  | 80.1   | 63.4   | 50.1   | 43.4   | 33.4   | 26.7   | 23.4   | 23.4   | 23.4   |
| 55°   | 113.5  | 93.5   | 70.1   | 53.4   | 43.4   | 33.4   | 23.4   | 16.7   | 13.4   | 13.4   | 13.4   |
| 57.5° | 106.9  | 83.5   | 60.1   | 46.7   | 33.4   | 23.4   | 13.4   | 10.0   | 10.0   | 6.7    | 10.0   |
| 60°   | 96.8   | 73.5   | 50.1   | 36.7   | 26.7   | 16.7   | 10.0   | 3.3    | 3.3    | 3.3    | 3.3    |
| 62.5° | 83.5   | 63.4   | 43.4   | 30.1   | 20.0   | 10.0   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 70.1   | 50.1   | 33.4   | 23.4   | 13.4   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 60.1   | 43.4   | 26.7   | 16.7   | 10.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 53.4   | 36.7   | 20.0   | 13.4   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 43.4   | 30.1   | 16.7   | 6.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 36.7   | 23.4   | 10.0   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 30.1   | 16.7   | 6.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 23.4   | 13.4   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 20.0   | 10.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 13.4   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 10.0   | 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    |



TEST NUMBER: P599378  
 CATALOG NUMBER: IFLD-S-SA3D-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 358°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 | 4701.5 |
| 2.5°  | 4240.7 | 4220.6 | 4320.8 | 4484.4 | 4567.9 | 4731.5 | 4771.6 | 4875.1 | 4848.4 | 4885.1 |
| 5°    | 3509.4 | 3549.5 | 3696.4 | 3936.8 | 4023.6 | 4260.7 | 4484.4 | 4708.1 | 4851.7 | 4921.8 |
| 7.5°  | 2604.5 | 2738.1 | 2918.4 | 3138.8 | 3362.5 | 3673.0 | 4053.7 | 4314.1 | 4454.4 | 4604.6 |
| 10°   | 1940.0 | 2083.6 | 2290.6 | 2507.7 | 2871.6 | 3218.9 | 3599.5 | 3923.4 | 4043.6 | 4183.9 |
| 12.5° | 1526.0 | 1749.7 | 1990.1 | 2223.8 | 2440.9 | 2771.5 | 3242.3 | 3713.1 | 3843.3 | 3950.2 |
| 15°   | 1061.8 | 1335.6 | 1679.6 | 1983.4 | 2287.3 | 2574.4 | 3062.0 | 3632.9 | 3809.9 | 3990.2 |
| 17.5° | 587.7  | 804.7  | 1198.7 | 1626.1 | 2073.6 | 2514.3 | 3122.1 | 3779.9 | 4047.0 | 4173.9 |
| 20°   | 340.6  | 427.4  | 707.9  | 1215.4 | 1806.5 | 2384.1 | 3152.1 | 4057.0 | 4410.9 | 4474.4 |
| 22.5° | 280.5  | 310.5  | 400.7  | 761.3  | 1479.2 | 2300.6 | 3305.7 | 4444.3 | 4805.0 | 4955.2 |
| 25°   | 240.4  | 263.8  | 310.5  | 457.5  | 1118.6 | 2123.7 | 3402.5 | 4928.5 | 5262.4 | 5426.0 |
| 27.5° | 213.7  | 237.1  | 273.8  | 337.2  | 761.3  | 1879.9 | 3562.8 | 5365.9 | 5699.8 | 5923.6 |
| 30°   | 187.0  | 207.0  | 243.8  | 287.2  | 527.6  | 1606.1 | 3699.7 | 5686.5 | 6157.3 | 6227.4 |
| 32.5° | 167.0  | 183.7  | 210.4  | 247.1  | 390.7  | 1218.8 | 3809.9 | 6017.1 | 6414.4 | 6568.0 |
| 35°   | 143.6  | 163.6  | 180.3  | 210.4  | 297.2  | 918.3  | 3743.1 | 6274.2 | 6791.7 | 6975.4 |
| 37.5° | 126.9  | 140.2  | 156.9  | 177.0  | 250.4  | 717.9  | 3606.2 | 6581.4 | 7115.6 | 7285.9 |
| 40°   | 106.9  | 116.9  | 136.9  | 156.9  | 227.1  | 554.3  | 3449.3 | 6952.0 | 7569.7 | 7870.3 |
| 42.5° | 90.2   | 100.2  | 113.5  | 146.9  | 187.0  | 410.7  | 3132.1 | 7239.2 | 7937.0 | 8190.8 |
| 45°   | 70.1   | 83.5   | 103.5  | 146.9  | 150.3  | 303.9  | 2804.8 | 7452.9 | 8144.1 | 8270.9 |
| 47.5° | 53.4   | 66.8   | 100.2  | 126.9  | 120.2  | 210.4  | 2417.5 | 7696.6 | 8357.8 | 8474.6 |
| 50°   | 40.1   | 53.4   | 113.5  | 110.2  | 100.2  | 160.3  | 2173.8 | 7866.9 | 8371.1 | 8434.6 |
| 52.5° | 26.7   | 40.1   | 93.5   | 83.5   | 83.5   | 140.2  | 2107.0 | 7860.2 | 8404.5 | 8267.6 |
| 55°   | 20.0   | 30.1   | 53.4   | 60.1   | 73.5   | 123.5  | 2046.9 | 8110.7 | 8414.5 | 8511.4 |
| 57.5° | 13.4   | 23.4   | 36.7   | 46.7   | 63.4   | 106.9  | 1923.3 | 8411.2 | 8725.1 | 8775.2 |
| 60°   | 6.7    | 16.7   | 26.7   | 36.7   | 53.4   | 93.5   | 1749.7 | 8631.6 | 9102.4 | 9155.8 |
| 62.5° | 3.3    | 10.0   | 20.0   | 30.1   | 43.4   | 73.5   | 1569.4 | 8281.0 | 8938.8 | 9032.3 |
| 65°   | 0.0    | 6.7    | 13.4   | 20.0   | 26.7   | 53.4   | 1275.5 | 7476.2 | 8291.0 | 8634.9 |
| 67.5° | 0.0    | 0.0    | 6.7    | 13.4   | 16.7   | 40.1   | 961.7  | 6801.7 | 7693.3 | 8160.8 |
| 70°   | 0.0    | 0.0    | 3.3    | 3.3    | 10.0   | 30.1   | 614.4  | 5633.1 | 6868.5 | 7125.6 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 3.3    | 20.0   | 357.3  | 4183.9 | 5382.6 | 5860.1 |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 16.7   | 180.3  | 2691.3 | 3746.5 | 4387.6 |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 13.4   | 96.8   | 1736.3 | 2761.4 | 3299.0 |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.3    | 56.8   | 1008.4 | 1766.4 | 2140.4 |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 23.4   | 494.2  | 1055.2 | 1235.5 |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 6.7    | 263.8  | 527.6  | 694.5  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 10.0   | 36.7   | 70.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)