

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: P599311

Luminaire Tested: **IFLD-L-SA8D-760-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599311  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8D-760-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (128) 5700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

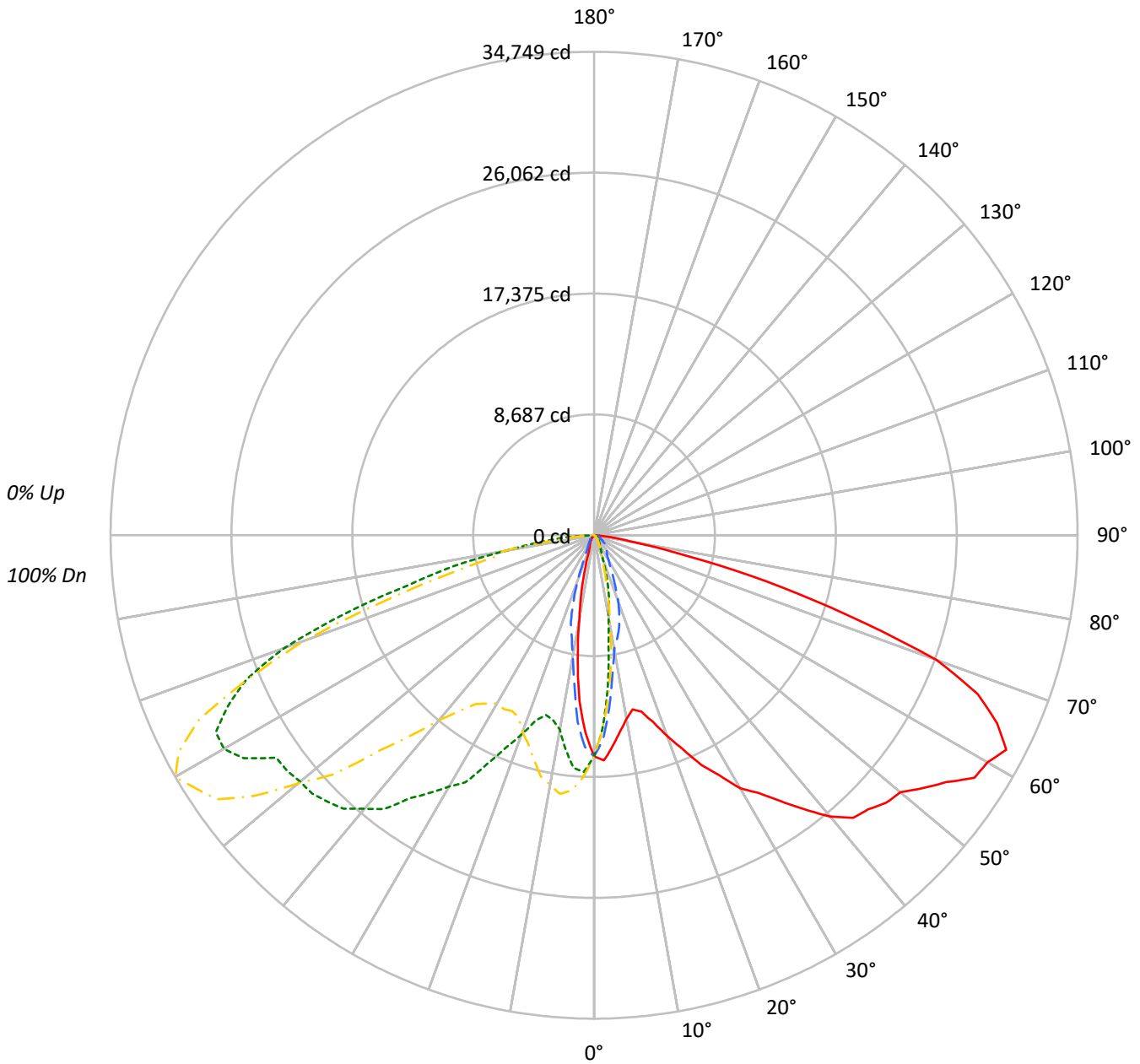
Lumens per Lamp: N/A  
 Luminaire Lumens: 41537.4 lumens  
 Efficiency: N/A  
 Efficacy: 85.1 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 488.3  
 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   | 107 | 101 | 96  | 91  | 104 | 99  | 94  | 90  | 94  | 90  | 87  | 90  | 87  | 84  | 87  | 84  | 82  | 79  |
| 2   | 95  | 85  | 77  | 70  | 92  | 83  | 75  | 69  | 79  | 73  | 67  | 76  | 71  | 66  | 73  | 68  | 64  | 62  |
| 3   | 85  | 72  | 63  | 55  | 82  | 71  | 62  | 54  | 67  | 60  | 53  | 65  | 58  | 52  | 62  | 56  | 51  | 49  |
| 4   | 76  | 62  | 52  | 44  | 74  | 61  | 51  | 44  | 58  | 50  | 43  | 56  | 49  | 43  | 53  | 47  | 42  | 40  |
| 5   | 69  | 55  | 44  | 37  | 67  | 53  | 44  | 36  | 51  | 43  | 36  | 49  | 41  | 35  | 47  | 40  | 35  | 33  |
| 6   | 63  | 48  | 38  | 31  | 61  | 47  | 38  | 31  | 45  | 37  | 30  | 44  | 36  | 30  | 42  | 35  | 30  | 27  |
| 7   | 58  | 43  | 33  | 27  | 56  | 42  | 33  | 26  | 41  | 32  | 26  | 39  | 32  | 26  | 38  | 31  | 26  | 24  |
| 8   | 54  | 39  | 30  | 23  | 52  | 38  | 29  | 23  | 37  | 29  | 23  | 36  | 28  | 23  | 34  | 28  | 23  | 20  |
| 9   | 50  | 36  | 27  | 21  | 49  | 35  | 26  | 21  | 34  | 26  | 20  | 33  | 25  | 20  | 32  | 25  | 20  | 18  |
| 10  | 47  | 33  | 24  | 18  | 46  | 32  | 24  | 18  | 31  | 24  | 18  | 30  | 23  | 18  | 29  | 23  | 18  | 16  |

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

|     | 0°     | 90°   | 180°  | 270°   |
|-----|--------|-------|-------|--------|
| 0°  | 85464  | 85464 | 85464 | 85464  |
| 5°  | 82281  | 60138 | 64736 | 90691  |
| 10° | 73257  | 32742 | 33171 | 77541  |
| 15° | 73129  | 21839 | 13353 | 74502  |
| 20° | 87806  | 10904 | 5324  | 87293  |
| 25° | 107998 | 6850  | 4123  | 107466 |
| 30° | 130490 | 5498  | 3132  | 129655 |
| 35° | 153114 | 4414  | 2428  | 151568 |
| 40° | 185365 | 3776  | 1574  | 180251 |
| 45° | 212066 | 3409  | 852   | 206185 |
| 50° | 240599 | 3282  | 188   | 230755 |
| 55° | 290228 | 3153  | 0     | 261646 |
| 60° | 351378 | 2652  | 0     | 330524 |
| 65° | 406874 | 2139  | 0     | 369794 |
| 70° | 412001 | 1762  | 0     | 372880 |
| 75° | 266635 | 1164  | 0     | 285961 |
| 80° | 90935  | 347   | 0     | 202350 |
| 85° | 45640  | 0     | 0     | 148678 |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1202.9  | 2.9       |
| 10°-20°   | 2329.2  | 5.6       |
| 20°-30°   | 3244.1  | 7.8       |
| 30°-40°   | 4609.5  | 11.1      |
| 40°-50°   | 6392.0  | 15.4      |
| 50°-60°   | 8709.5  | 21.0      |
| 60°-70°   | 9575.4  | 23.1      |
| 70°-80°   | 4706.2  | 11.3      |
| 80°-90°   | 768.5   | 1.9       |
| 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°    | 6776.2  | 16.3      |
| 0°-40°    | 11385.7 | 27.4      |
| 0°-60°    | 26487.2 | 63.8      |
| 0°-90°    | 41537.4 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 41537.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180°  | 270°  | 360°  | Flux  |
|-----|-------|-------|-------|-------|-------|-------|
| 0°  | 15880 | 15880 | 15880 | 15880 | 15880 |       |
| 5°  | 15230 | 11132 | 11983 | 16787 | 15230 | 1394  |
| 15° | 13125 | 3920  | 2396  | 13371 | 13125 | 3885  |
| 25° | 18187 | 1154  | 694   | 18097 | 18187 | 8455  |
| 35° | 23304 | 672   | 370   | 23069 | 23304 | 14793 |
| 45° | 27862 | 448   | 112   | 27090 | 27862 | 21598 |
| 55° | 30931 | 336   | 0     | 27885 | 30931 | 27824 |
| 65° | 31950 | 168   | 0     | 29038 | 31950 | 30876 |
| 75° | 12822 | 56    | 0     | 13752 | 12822 | 13979 |
| 85° | 739   | 0     | 0     | 2408  | 739   | 1022  |
| 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°    | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 |
| 2.5°  | 16204.4 | 16394.8 | 16215.6 | 15588.5 | 15476.5 | 15174.2 | 14715.0 | 14681.4 | 14199.9 | 14255.9 | 13998.3 |
| 5°    | 15230.2 | 15420.5 | 15039.8 | 14211.1 | 13438.4 | 12822.5 | 12452.9 | 11792.2 | 11646.6 | 11321.8 | 11321.8 |
| 7.5°  | 14233.5 | 14222.3 | 13572.8 | 12878.4 | 11725.0 | 10593.9 | 10078.8 | 9126.9  | 8567.0  | 8264.6  | 7973.4  |
| 10°   | 13404.8 | 13225.6 | 12822.5 | 11389.0 | 10134.8 | 8958.9  | 8320.6  | 7693.5  | 7111.1  | 6607.2  | 6103.3  |
| 12.5° | 12822.5 | 12934.4 | 12296.1 | 10739.5 | 9115.7  | 8298.2  | 7615.1  | 6954.4  | 6260.0  | 5688.9  | 5129.0  |
| 15°   | 13124.8 | 12945.6 | 12195.3 | 10593.9 | 8947.7  | 7827.9  | 6920.8  | 6114.5  | 5341.8  | 4591.4  | 4165.9  |
| 17.5° | 14065.5 | 13606.4 | 12721.7 | 10593.9 | 8600.6  | 7111.1  | 6013.7  | 5061.8  | 4233.1  | 3561.2  | 3034.8  |
| 20°   | 15331.0 | 14804.6 | 13852.7 | 10985.9 | 8343.0  | 6584.8  | 5084.2  | 3885.9  | 3023.6  | 2396.5  | 1993.4  |
| 22.5° | 16630.0 | 16215.6 | 14782.2 | 11142.7 | 8040.6  | 5879.3  | 4009.1  | 2810.9  | 2015.8  | 1612.6  | 1411.0  |
| 25°   | 18186.6 | 17604.3 | 16036.5 | 11769.8 | 7592.7  | 5196.2  | 3158.0  | 1959.8  | 1500.6  | 1287.8  | 1164.7  |
| 27.5° | 19429.7 | 19328.9 | 17212.3 | 12150.5 | 7256.7  | 4636.2  | 2497.3  | 1556.6  | 1243.1  | 1086.3  | 1007.9  |
| 30°   | 20997.5 | 20448.7 | 18645.8 | 12912.0 | 6876.0  | 3997.9  | 2082.9  | 1399.8  | 1142.3  | 974.3   | 918.3   |
| 32.5° | 21938.2 | 21680.6 | 19396.1 | 13337.6 | 6450.4  | 3471.6  | 1791.8  | 1231.9  | 1041.5  | 918.3   | 862.3   |
| 35°   | 23304.4 | 22789.3 | 20471.1 | 13606.4 | 6226.4  | 3169.2  | 1612.6  | 1119.9  | 873.5   | 750.3   | 683.1   |
| 37.5° | 24827.4 | 24637.0 | 21759.0 | 13595.2 | 5901.7  | 2990.0  | 1489.4  | 1041.5  | 828.7   | 694.3   | 615.9   |
| 40°   | 26384.0 | 25611.3 | 22542.9 | 13908.7 | 5733.7  | 2855.7  | 1399.8  | 996.7   | 783.9   | 660.7   | 559.9   |
| 42.5° | 27548.7 | 26664.0 | 23450.0 | 13796.7 | 5532.1  | 2620.5  | 1366.2  | 929.5   | 750.3   | 604.7   | 515.1   |
| 45°   | 27862.2 | 27548.7 | 24267.5 | 13763.1 | 5386.6  | 2430.1  | 1310.2  | 918.3   | 727.9   | 571.1   | 481.5   |
| 47.5° | 28467.0 | 28254.2 | 25275.4 | 13819.1 | 5274.6  | 2284.5  | 1175.9  | 940.7   | 694.3   | 537.5   | 459.1   |
| 50°   | 28735.7 | 28355.0 | 26092.9 | 13953.5 | 5017.0  | 2105.3  | 1052.7  | 985.5   | 683.1   | 526.3   | 436.7   |
| 52.5° | 29844.4 | 29508.4 | 27212.7 | 14334.3 | 4804.2  | 1870.2  | 929.5   | 940.7   | 705.5   | 492.7   | 414.4   |
| 55°   | 30930.7 | 30549.9 | 28937.3 | 15207.8 | 4501.9  | 1679.8  | 795.1   | 828.7   | 671.9   | 447.9   | 369.6   |
| 57.5° | 32420.1 | 31793.0 | 30090.8 | 15566.1 | 4233.1  | 1422.2  | 705.5   | 683.1   | 627.1   | 403.2   | 324.8   |
| 60°   | 32644.1 | 32901.6 | 29922.8 | 15342.2 | 3953.1  | 1254.2  | 615.9   | 526.3   | 671.9   | 358.4   | 280.0   |
| 62.5° | 33394.4 | 32319.3 | 29138.9 | 14827.0 | 3751.5  | 1153.5  | 548.7   | 436.7   | 582.3   | 313.6   | 235.2   |
| 65°   | 31949.8 | 31154.6 | 27302.3 | 13169.6 | 3494.0  | 1164.7  | 481.5   | 358.4   | 369.6   | 257.6   | 190.4   |
| 67.5° | 29833.2 | 29206.1 | 24256.3 | 11366.6 | 3236.4  | 1142.3  | 425.5   | 313.6   | 280.0   | 224.0   | 168.0   |
| 70°   | 26182.4 | 24827.4 | 20605.5 | 9227.7  | 2855.7  | 1063.9  | 358.4   | 280.0   | 235.2   | 179.2   | 123.2   |
| 72.5° | 19048.9 | 18500.2 | 14782.2 | 7133.5  | 2564.5  | 963.1   | 336.0   | 235.2   | 201.6   | 134.4   | 100.8   |
| 75°   | 12822.5 | 11915.4 | 9328.5  | 4681.0  | 2060.6  | 839.9   | 280.0   | 212.8   | 156.8   | 100.8   | 78.4    |
| 77.5° | 6775.2  | 6405.6  | 5285.8  | 2228.5  | 1142.3  | 392.0   | 156.8   | 123.2   | 89.6    | 78.4    | 44.8    |
| 80°   | 2934.0  | 2609.3  | 2284.5  | 907.1   | 403.2   | 179.2   | 100.8   | 67.2    | 56.0    | 44.8    | 22.4    |
| 82.5° | 1500.6  | 1433.4  | 1187.1  | 392.0   | 235.2   | 134.4   | 56.0    | 44.8    | 33.6    | 22.4    | 11.2    |
| 85°   | 739.1   | 761.5   | 627.1   | 123.2   | 134.4   | 78.4    | 11.2    | 11.2    | 0.0     | 0.0     | 0.0     |
| 87.5° | 56.0    | 56.0    | 44.8    | 22.4    | 33.6    | 11.2    | 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):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 |
| 2.5°  | 13897.5 | 14054.3 | 13785.5 | 13953.5 | 13875.1 | 13908.7 | 13942.3 | 13852.7 | 13875.1 | 14188.7 | 14199.9 |
| 5°    | 11131.5 | 11433.8 | 11321.8 | 11478.6 | 11747.4 | 11613.0 | 11736.2 | 11713.8 | 11736.2 | 11781.0 | 11982.6 |
| 7.5°  | 7939.8  | 7850.3  | 8063.0  | 8477.4  | 8958.9  | 9250.1  | 9104.5  | 9026.1  | 8981.3  | 8869.3  | 9003.7  |
| 10°   | 5991.3  | 5946.5  | 5890.5  | 6013.7  | 6327.2  | 6652.0  | 6831.2  | 6528.8  | 6360.8  | 6148.1  | 6069.7  |
| 12.5° | 4972.2  | 4692.2  | 4535.5  | 4345.1  | 4434.7  | 4725.8  | 4737.0  | 4445.9  | 4177.1  | 4065.1  | 4188.3  |
| 15°   | 3919.5  | 3729.2  | 3449.2  | 3180.4  | 3046.0  | 3270.0  | 3079.6  | 2799.7  | 2452.5  | 2407.7  | 2396.5  |
| 17.5° | 2799.7  | 2687.7  | 2486.1  | 2374.1  | 2217.3  | 2161.3  | 1959.8  | 1534.2  | 1287.8  | 1220.7  | 1243.1  |
| 20°   | 1903.8  | 1814.2  | 1803.0  | 1702.2  | 1635.0  | 1590.2  | 1265.4  | 985.5   | 907.1   | 918.3   | 929.5   |
| 22.5° | 1411.0  | 1366.2  | 1310.2  | 1299.0  | 1243.1  | 1187.1  | 929.5   | 828.7   | 772.7   | 772.7   | 806.3   |
| 25°   | 1153.5  | 1131.1  | 1075.1  | 1052.7  | 1030.3  | 951.9   | 783.9   | 705.5   | 683.1   | 660.7   | 694.3   |
| 27.5° | 985.5   | 974.3   | 940.7   | 907.1   | 884.7   | 806.3   | 683.1   | 615.9   | 593.5   | 593.5   | 593.5   |
| 30°   | 884.7   | 884.7   | 839.9   | 772.7   | 772.7   | 683.1   | 582.3   | 537.5   | 515.1   | 515.1   | 503.9   |
| 32.5° | 828.7   | 806.3   | 750.3   | 705.5   | 671.9   | 582.3   | 515.1   | 470.3   | 436.7   | 436.7   | 447.9   |
| 35°   | 671.9   | 671.9   | 660.7   | 627.1   | 582.3   | 492.7   | 436.7   | 392.0   | 369.6   | 358.4   | 369.6   |
| 37.5° | 593.5   | 559.9   | 515.1   | 526.3   | 503.9   | 425.5   | 369.6   | 336.0   | 302.4   | 302.4   | 302.4   |
| 40°   | 537.5   | 503.9   | 459.1   | 425.5   | 414.4   | 380.8   | 324.8   | 268.8   | 235.2   | 224.0   | 224.0   |
| 42.5° | 481.5   | 459.1   | 392.0   | 336.0   | 324.8   | 324.8   | 246.4   | 201.6   | 168.0   | 168.0   | 168.0   |
| 45°   | 447.9   | 414.4   | 358.4   | 291.2   | 235.2   | 246.4   | 201.6   | 145.6   | 123.2   | 112.0   | 112.0   |
| 47.5° | 425.5   | 392.0   | 313.6   | 246.4   | 179.2   | 179.2   | 145.6   | 100.8   | 78.4    | 67.2    | 67.2    |
| 50°   | 392.0   | 358.4   | 280.0   | 201.6   | 134.4   | 112.0   | 89.6    | 56.0    | 33.6    | 22.4    | 22.4    |
| 52.5° | 369.6   | 336.0   | 246.4   | 168.0   | 112.0   | 78.4    | 56.0    | 11.2    | 0.0     | 0.0     | 0.0     |
| 55°   | 336.0   | 291.2   | 212.8   | 134.4   | 89.6    | 44.8    | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     |
| 57.5° | 291.2   | 257.6   | 168.0   | 100.8   | 56.0    | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 60°   | 246.4   | 212.8   | 134.4   | 78.4    | 22.4    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 62.5° | 201.6   | 179.2   | 100.8   | 44.8    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 65°   | 168.0   | 134.4   | 78.4    | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 67.5° | 145.6   | 112.0   | 56.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 70°   | 112.0   | 78.4    | 33.6    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 72.5° | 78.4    | 56.0    | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 75°   | 56.0    | 33.6    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 33.6    | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 11.2    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 0.0     | 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: P599311  
 CATALOG NUMBER: IFLD-L-SA8D-760-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°    | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 |
| 2.5°  | 14244.7 | 14580.6 | 14894.2 | 14983.8 | 15230.2 | 15913.3 | 15913.3 | 16238.0 | 16820.4 | 17033.1 | 17077.9 |
| 5°    | 12016.2 | 12374.5 | 12441.7 | 13136.0 | 13460.8 | 14155.1 | 14614.2 | 15711.7 | 16372.4 | 16786.8 | 17044.3 |
| 7.5°  | 9138.1  | 9261.3  | 9518.9  | 10168.4 | 10806.7 | 11646.6 | 12520.1 | 13919.9 | 15084.6 | 15554.9 | 16428.4 |
| 10°   | 6282.4  | 6652.0  | 7211.9  | 7794.3  | 8790.9  | 9720.4  | 10851.5 | 12172.9 | 13606.4 | 14188.7 | 14939.0 |
| 12.5° | 4233.1  | 4748.2  | 5644.1  | 6472.8  | 7391.1  | 8331.8  | 9406.9  | 11176.3 | 12800.1 | 13606.4 | 14356.7 |
| 15°   | 2474.9  | 3102.0  | 3874.7  | 5218.6  | 6439.2  | 7491.9  | 8567.0  | 10358.8 | 12329.7 | 13371.2 | 14289.5 |
| 17.5° | 1254.2  | 1444.6  | 2082.9  | 3247.6  | 4860.2  | 6584.8  | 8186.2  | 10470.7 | 12688.1 | 13964.7 | 14726.2 |
| 20°   | 940.7   | 996.7   | 1175.9  | 1724.6  | 3326.0  | 5442.5  | 7827.9  | 10638.7 | 13684.8 | 15241.4 | 15655.7 |
| 22.5° | 817.5   | 862.3   | 940.7   | 1119.9  | 1870.2  | 4165.9  | 7323.9  | 11053.1 | 15039.8 | 16506.8 | 17380.3 |
| 25°   | 694.3   | 739.1   | 806.3   | 918.3   | 1198.3  | 2833.3  | 6708.0  | 11489.8 | 16249.2 | 18097.0 | 18914.5 |
| 27.5° | 604.7   | 638.3   | 705.5   | 795.1   | 974.3   | 1803.0  | 5644.1  | 12072.1 | 18097.0 | 20023.2 | 20236.0 |
| 30°   | 515.1   | 548.7   | 604.7   | 705.5   | 828.7   | 1276.6  | 4143.5  | 12150.5 | 19116.1 | 20863.1 | 21456.6 |
| 32.5° | 447.9   | 459.1   | 526.3   | 615.9   | 694.3   | 1007.9  | 2911.6  | 12228.9 | 19866.4 | 21949.4 | 22072.5 |
| 35°   | 369.6   | 392.0   | 459.1   | 515.1   | 604.7   | 795.1   | 2206.1  | 11837.0 | 20840.7 | 23069.2 | 23035.6 |
| 37.5° | 302.4   | 336.0   | 380.8   | 425.5   | 492.7   | 671.9   | 1758.2  | 11109.1 | 22061.3 | 24805.0 | 23752.3 |
| 40°   | 235.2   | 268.8   | 313.6   | 369.6   | 414.4   | 604.7   | 1321.4  | 10011.6 | 23338.0 | 25656.1 | 24536.2 |
| 42.5° | 168.0   | 190.4   | 235.2   | 291.2   | 369.6   | 503.9   | 951.9   | 8712.6  | 23841.9 | 26652.8 | 25476.9 |
| 45°   | 123.2   | 145.6   | 179.2   | 246.4   | 380.8   | 403.2   | 660.7   | 7525.5  | 24379.5 | 27089.5 | 25264.2 |
| 47.5° | 67.2    | 89.6    | 134.4   | 212.8   | 336.0   | 302.4   | 470.3   | 6461.6  | 24995.4 | 27481.5 | 25432.1 |
| 50°   | 22.4    | 33.6    | 78.4    | 224.0   | 268.8   | 235.2   | 369.6   | 5890.5  | 25600.1 | 27559.9 | 25768.1 |
| 52.5° | 0.0     | 0.0     | 44.8    | 235.2   | 201.6   | 179.2   | 324.8   | 5666.5  | 25443.3 | 27806.3 | 25555.3 |
| 55°   | 0.0     | 0.0     | 11.2    | 100.8   | 112.0   | 134.4   | 268.8   | 5655.3  | 26552.0 | 27884.6 | 26720.0 |
| 57.5° | 0.0     | 0.0     | 0.0     | 33.6    | 67.2    | 112.0   | 235.2   | 5297.0  | 27257.5 | 29833.2 | 28287.8 |
| 60°   | 0.0     | 0.0     | 0.0     | 11.2    | 44.8    | 78.4    | 179.2   | 4983.4  | 27974.2 | 30706.7 | 29967.6 |
| 62.5° | 0.0     | 0.0     | 0.0     | 0.0     | 11.2    | 33.6    | 123.2   | 4501.9  | 26529.6 | 30639.5 | 31591.4 |
| 65°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 78.4    | 3561.2  | 23864.3 | 29038.1 | 30695.5 |
| 67.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 44.8    | 2463.7  | 20896.7 | 27022.3 | 29049.3 |
| 70°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1489.4  | 16865.2 | 23696.3 | 24637.0 |
| 72.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 638.3   | 12038.5 | 18813.7 | 20213.6 |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 257.6   | 7447.1  | 13751.9 | 15476.5 |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 100.8   | 4826.6  | 10414.7 | 11747.4 |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 22.4    | 2575.7  | 6528.8  | 7592.7  |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1119.9  | 3964.3  | 4569.0  |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 358.4   | 2407.7  | 2743.7  |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 369.6   | 492.7   |
| 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: P599311  
 CATALOG NUMBER: IFLD-L-SA8D-760-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 | 15879.7 |
| 2.5°  | 17100.3 | 17425.1 | 17548.3 | 17357.9 | 17380.3 | 16988.4 | 16932.4 | 16383.6 | 16159.7 | 16204.4 |
| 5°    | 17884.2 | 18354.6 | 18612.2 | 18399.4 | 17917.8 | 17167.5 | 16484.4 | 15834.9 | 15431.7 | 15230.2 |
| 7.5°  | 17705.1 | 18231.4 | 18556.2 | 18757.7 | 18209.0 | 16999.6 | 15958.1 | 14737.4 | 14222.3 | 14233.5 |
| 10°   | 16719.6 | 17817.1 | 18477.8 | 18220.2 | 17962.6 | 16753.2 | 15140.6 | 13819.1 | 13360.0 | 13404.8 |
| 12.5° | 15924.5 | 17145.1 | 17537.1 | 17738.7 | 17212.3 | 16249.2 | 15163.0 | 13651.2 | 13136.0 | 12822.5 |
| 15°   | 15431.7 | 16338.8 | 16361.2 | 16674.8 | 16462.0 | 16462.0 | 15398.1 | 13919.9 | 13472.0 | 13124.8 |
| 17.5° | 15431.7 | 15633.3 | 15610.9 | 15722.9 | 16081.3 | 16506.8 | 15991.7 | 15006.2 | 14121.5 | 14065.5 |
| 20°   | 15778.9 | 15151.8 | 15006.2 | 15051.0 | 15353.4 | 16618.8 | 17301.9 | 16070.1 | 15510.1 | 15331.0 |
| 22.5° | 16585.2 | 15207.8 | 14323.1 | 14166.3 | 15095.8 | 16607.6 | 18141.8 | 17749.9 | 16775.6 | 16630.0 |
| 25°   | 17693.9 | 15107.0 | 14143.9 | 13942.3 | 14647.8 | 17010.8 | 19295.3 | 19373.7 | 18489.0 | 18186.6 |
| 27.5° | 18746.5 | 15554.9 | 14121.5 | 14076.7 | 15006.2 | 16921.2 | 20090.4 | 20672.7 | 19676.0 | 19429.7 |
| 30°   | 19104.9 | 16002.9 | 14535.8 | 13942.3 | 15140.6 | 17245.9 | 20068.0 | 21591.0 | 20941.5 | 20997.5 |
| 32.5° | 19530.4 | 16450.8 | 14580.6 | 14345.5 | 15711.7 | 17772.3 | 20706.3 | 23069.2 | 22598.9 | 21938.2 |
| 35°   | 20157.6 | 17055.5 | 15006.2 | 14793.4 | 16114.9 | 18242.6 | 20840.7 | 24155.5 | 24077.1 | 23304.4 |
| 37.5° | 20695.1 | 17649.1 | 15890.9 | 15924.5 | 17346.7 | 19004.1 | 21434.2 | 25488.1 | 25353.7 | 24827.4 |
| 40°   | 21075.9 | 18477.8 | 17268.3 | 17357.9 | 18421.8 | 19855.2 | 22486.9 | 26160.0 | 27156.7 | 26384.0 |
| 42.5° | 21131.9 | 19216.9 | 18847.3 | 19564.0 | 20560.7 | 21176.6 | 22912.4 | 26619.2 | 28052.6 | 27548.7 |
| 45°   | 21344.6 | 20392.7 | 21423.0 | 21949.4 | 22766.9 | 22341.3 | 22890.0 | 27403.1 | 28119.8 | 27862.2 |
| 47.5° | 22173.3 | 22531.7 | 23830.7 | 25432.1 | 25723.3 | 24323.5 | 23427.6 | 27526.3 | 28500.6 | 28467.0 |
| 50°   | 23035.6 | 24827.4 | 26652.8 | 27716.7 | 28086.2 | 25689.7 | 23931.5 | 27425.5 | 29004.5 | 28735.7 |
| 52.5° | 23998.7 | 26820.8 | 29452.5 | 30762.7 | 30561.1 | 27201.5 | 24502.6 | 28243.0 | 29934.0 | 29844.4 |
| 55°   | 24603.4 | 27716.7 | 31255.4 | 33080.8 | 32924.0 | 28892.5 | 26316.8 | 29418.9 | 31154.6 | 30930.7 |
| 57.5° | 26204.8 | 29172.5 | 33047.2 | 33898.3 | 34312.7 | 31109.9 | 27582.3 | 31345.0 | 32173.7 | 32420.1 |
| 60°   | 27526.3 | 30124.4 | 33517.6 | 34749.4 | 34895.0 | 32431.3 | 29799.6 | 33327.2 | 33472.8 | 32644.1 |
| 62.5° | 29463.7 | 30493.9 | 32520.9 | 33629.5 | 34379.9 | 33181.6 | 31793.0 | 34391.1 | 33450.4 | 33394.4 |
| 65°   | 30885.9 | 29284.5 | 30661.9 | 31277.8 | 31759.4 | 32039.3 | 33797.5 | 35119.0 | 33036.0 | 31949.8 |
| 67.5° | 30090.8 | 26999.9 | 26742.4 | 26776.0 | 26921.6 | 28612.6 | 33125.6 | 33338.4 | 30729.1 | 29833.2 |
| 70°   | 26484.8 | 22150.9 | 21803.8 | 22072.5 | 21344.6 | 23382.8 | 30404.3 | 30303.5 | 27111.9 | 26182.4 |
| 72.5° | 21423.0 | 16148.5 | 15554.9 | 15924.5 | 16092.5 | 18253.8 | 25577.7 | 22979.6 | 19776.8 | 19048.9 |
| 75°   | 17021.9 | 11837.0 | 9989.2  | 10885.1 | 11456.2 | 13292.8 | 19978.4 | 15610.9 | 13807.9 | 12822.5 |
| 77.5° | 13371.2 | 8958.9  | 7771.9  | 7413.5  | 7939.8  | 9664.4  | 14535.8 | 8197.4  | 7234.3  | 6775.2  |
| 80°   | 8477.4  | 6584.8  | 7144.7  | 6629.6  | 6853.6  | 6898.4  | 7570.3  | 3729.2  | 2967.6  | 2934.0  |
| 82.5° | 5106.6  | 4501.9  | 5353.0  | 2945.2  | 5364.2  | 4793.0  | 3146.8  | 1691.0  | 1500.6  | 1500.6  |
| 85°   | 3617.2  | 2788.5  | 1847.8  | 1198.3  | 2385.3  | 2631.7  | 1220.7  | 873.5   | 761.5   | 739.1   |
| 87.5° | 1814.2  | 862.3   | 414.4   | 268.8   | 302.4   | 492.7   | 145.6   | 67.2    | 67.2    | 56.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)