

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: P599338

Luminaire Tested: **IFLD-L-SA8B-827-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: P599338  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-827-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (128) 2700K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

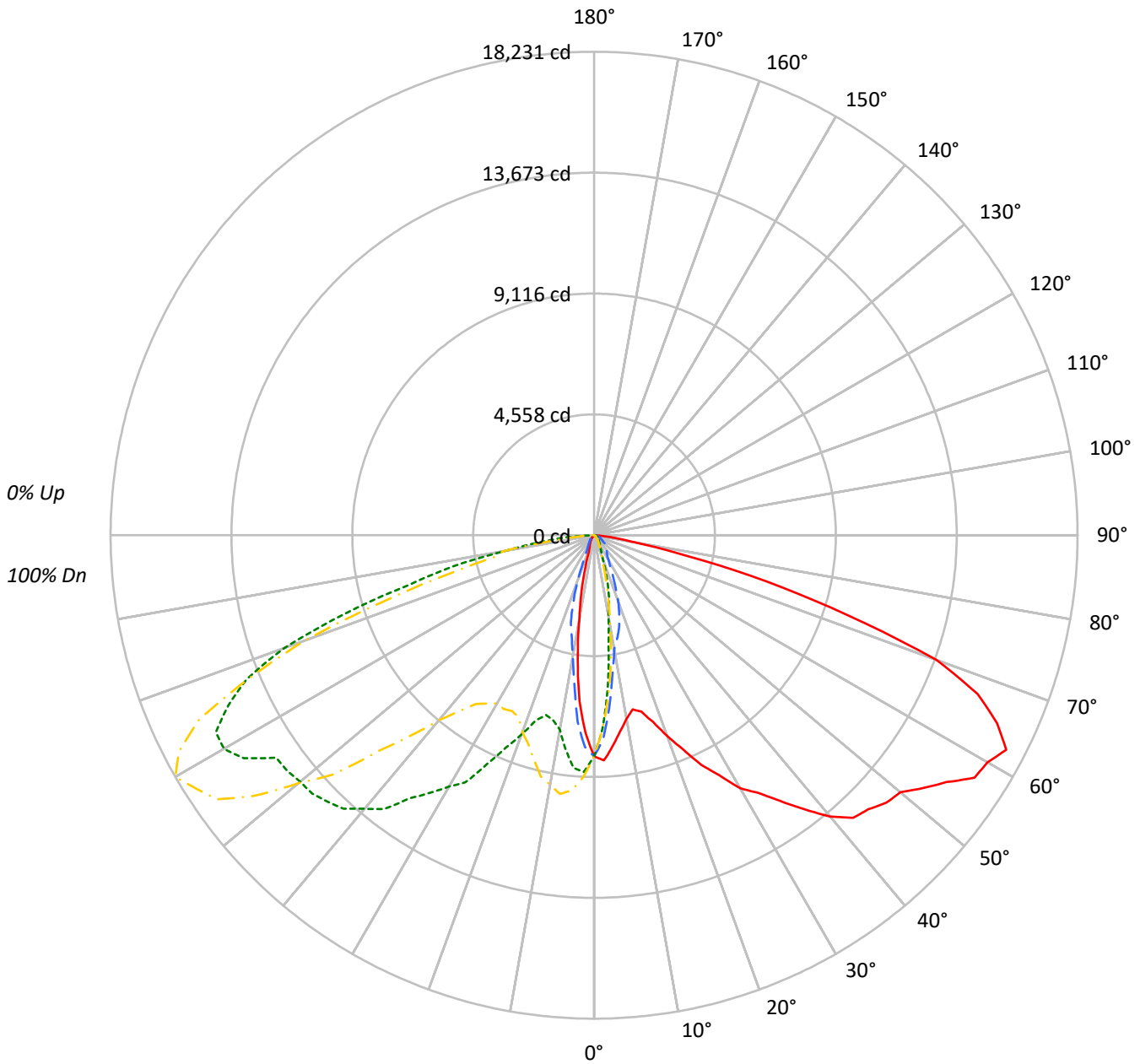
Lumens per Lamp: N/A  
 Luminaire Lumens: 21792.5 lumens  
 Efficiency: N/A  
 Efficacy: 68.1 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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  | 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 |
| 1   | 107 | 101 | 96  | 91  | 104 | 99  | 94  | 90  | 94  | 90  | 87  | 90  | 87  | 84  | 87  | 84  | 82  | 79  |    |    |    | 79  |
| 2   | 95  | 85  | 77  | 70  | 92  | 83  | 75  | 69  | 79  | 73  | 67  | 76  | 71  | 66  | 73  | 68  | 64  | 62  |    |    |    | 62  |
| 3   | 85  | 72  | 63  | 55  | 82  | 71  | 62  | 54  | 67  | 60  | 53  | 65  | 58  | 52  | 62  | 56  | 51  | 49  |    |    |    | 49  |
| 4   | 76  | 62  | 52  | 44  | 74  | 61  | 51  | 44  | 58  | 50  | 43  | 56  | 49  | 43  | 53  | 47  | 42  | 40  |    |    |    | 40  |
| 5   | 69  | 55  | 44  | 37  | 67  | 53  | 44  | 36  | 51  | 43  | 36  | 49  | 41  | 35  | 47  | 40  | 35  | 33  |    |    |    | 33  |
| 6   | 63  | 48  | 38  | 31  | 61  | 47  | 38  | 31  | 45  | 37  | 30  | 44  | 36  | 30  | 42  | 35  | 30  | 27  |    |    |    | 27  |
| 7   | 58  | 43  | 33  | 27  | 56  | 42  | 33  | 26  | 41  | 32  | 26  | 39  | 32  | 26  | 38  | 31  | 26  | 24  |    |    |    | 24  |
| 8   | 54  | 39  | 30  | 23  | 52  | 38  | 29  | 23  | 37  | 29  | 23  | 36  | 28  | 23  | 34  | 28  | 23  | 20  |    |    |    | 20  |
| 9   | 50  | 36  | 27  | 21  | 49  | 35  | 26  | 21  | 34  | 26  | 20  | 33  | 25  | 20  | 32  | 25  | 20  | 18  |    |    |    | 18  |
| 10  | 47  | 33  | 24  | 18  | 46  | 32  | 24  | 18  | 31  | 24  | 18  | 30  | 23  | 18  | 29  | 23  | 18  | 16  |    |    |    | 16  |

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

|     | 0°     | 90°   | 180°  | 270°   |
|-----|--------|-------|-------|--------|
| 0°  | 44838  | 44838 | 44838 | 44838  |
| 5°  | 43169  | 31551 | 33963 | 47580  |
| 10° | 38434  | 17178 | 17403 | 40682  |
| 15° | 38367  | 11458 | 7005  | 39087  |
| 20° | 46067  | 5720  | 2793  | 45798  |
| 25° | 56661  | 3594  | 2163  | 56382  |
| 30° | 68461  | 2885  | 1643  | 68023  |
| 35° | 80331  | 2316  | 1274  | 79520  |
| 40° | 97251  | 1981  | 826   | 94568  |
| 45° | 111260 | 1789  | 448   | 108174 |
| 50° | 126230 | 1721  | 99    | 121065 |
| 55° | 152267 | 1654  | 0     | 137272 |
| 60° | 184349 | 1392  | 0     | 173409 |
| 65° | 213464 | 1122  | 0     | 194011 |
| 70° | 216155 | 925   | 0     | 195631 |
| 75° | 139889 | 611   | 0     | 150029 |
| 80° | 47708  | 183   | 0     | 106162 |
| 85° | 23947  | 0     | 0     | 78004  |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 631.1   | 2.9       |
| 10°-20°   | 1222.0  | 5.6       |
| 20°-30°   | 1702.0  | 7.8       |
| 30°-40°   | 2418.3  | 11.1      |
| 40°-50°   | 3353.6  | 15.4      |
| 50°-60°   | 4569.4  | 21.0      |
| 60°-70°   | 5023.7  | 23.1      |
| 70°-80°   | 2469.1  | 11.3      |
| 80°-90°   | 403.2   | 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°    | 3555.1  | 16.3      |
| 0°-40°    | 5973.5  | 27.4      |
| 0°-60°    | 13896.4 | 63.8      |
| 0°-90°    | 21792.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 21792.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°  | 180° | 270°  | 360°  | Flux  |
|-----|-------|------|------|-------|-------|-------|
| 0°  | 8331  | 8331 | 8331 | 8331  | 8331  |       |
| 5°  | 7990  | 5840 | 6287 | 8807  | 7990  | 731   |
| 15° | 6886  | 2056 | 1257 | 7015  | 6886  | 2038  |
| 25° | 9542  | 605  | 364  | 9494  | 9542  | 4436  |
| 35° | 12227 | 352  | 194  | 12103 | 12227 | 7761  |
| 45° | 14618 | 235  | 59   | 14212 | 14618 | 11331 |
| 55° | 16228 | 176  | 0    | 14630 | 16228 | 14598 |
| 65° | 16762 | 88   | 0    | 15235 | 16762 | 16199 |
| 75° | 6727  | 29   | 0    | 7215  | 6727  | 7334  |
| 85° | 388   | 0    | 0    | 1263  | 388   | 536   |
| 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°    | 8331.2  | 8331.2  | 8331.2  | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 |
| 2.5°  | 8501.6  | 8601.5  | 8507.5  | 8178.5 | 8119.7 | 7961.1 | 7720.2 | 7702.6 | 7449.9 | 7479.3 | 7344.2 |
| 5°    | 7990.5  | 8090.3  | 7890.6  | 7455.8 | 7050.4 | 6727.3 | 6533.4 | 6186.7 | 6110.4 | 5940.0 | 5940.0 |
| 7.5°  | 7467.6  | 7461.7  | 7120.9  | 6756.6 | 6151.5 | 5558.1 | 5287.8 | 4788.4 | 4494.6 | 4336.0 | 4183.2 |
| 10°   | 7032.8  | 6938.8  | 6727.3  | 5975.2 | 5317.2 | 4700.3 | 4365.4 | 4036.4 | 3730.8 | 3466.4 | 3202.1 |
| 12.5° | 6727.3  | 6786.0  | 6451.1  | 5634.4 | 4782.5 | 4353.6 | 3995.2 | 3648.6 | 3284.3 | 2984.7 | 2690.9 |
| 15°   | 6885.9  | 6791.9  | 6398.2  | 5558.1 | 4694.4 | 4106.9 | 3631.0 | 3207.9 | 2802.5 | 2408.9 | 2185.6 |
| 17.5° | 7379.4  | 7138.5  | 6674.4  | 5558.1 | 4512.3 | 3730.8 | 3155.1 | 2655.7 | 2220.9 | 1868.4 | 1592.2 |
| 20°   | 8043.3  | 7767.2  | 7267.8  | 5763.7 | 4377.1 | 3454.7 | 2667.4 | 2038.7 | 1586.3 | 1257.3 | 1045.8 |
| 22.5° | 8724.9  | 8507.5  | 7755.4  | 5846.0 | 4218.5 | 3084.6 | 2103.4 | 1474.7 | 1057.6 | 846.0  | 740.3  |
| 25°   | 9541.5  | 9236.0  | 8413.5  | 6175.0 | 3983.5 | 2726.2 | 1656.8 | 1028.2 | 787.3  | 675.7  | 611.0  |
| 27.5° | 10193.7 | 10140.8 | 9030.4  | 6374.7 | 3807.2 | 2432.4 | 1310.2 | 816.7  | 652.2  | 569.9  | 528.8  |
| 30°   | 11016.3 | 10728.4 | 9782.4  | 6774.3 | 3607.5 | 2097.5 | 1092.8 | 734.4  | 599.3  | 511.2  | 481.8  |
| 32.5° | 11509.8 | 11374.7 | 10176.1 | 6997.5 | 3384.2 | 1821.4 | 940.1  | 646.3  | 546.4  | 481.8  | 452.4  |
| 35°   | 12226.6 | 11956.3 | 10740.1 | 7138.5 | 3266.7 | 1662.7 | 846.0  | 587.5  | 458.3  | 393.6  | 358.4  |
| 37.5° | 13025.6 | 12925.7 | 11415.8 | 7132.7 | 3096.3 | 1568.7 | 781.4  | 546.4  | 434.8  | 364.3  | 323.1  |
| 40°   | 13842.3 | 13436.9 | 11827.1 | 7297.2 | 3008.2 | 1498.2 | 734.4  | 522.9  | 411.3  | 346.6  | 293.8  |
| 42.5° | 14453.3 | 13989.2 | 12303.0 | 7238.4 | 2902.4 | 1374.8 | 716.8  | 487.7  | 393.6  | 317.3  | 270.3  |
| 45°   | 14617.8 | 14453.3 | 12731.9 | 7220.8 | 2826.0 | 1274.9 | 687.4  | 481.8  | 381.9  | 299.6  | 252.6  |
| 47.5° | 14935.1 | 14823.5 | 13260.6 | 7250.2 | 2767.3 | 1198.6 | 616.9  | 493.5  | 364.3  | 282.0  | 240.9  |
| 50°   | 15076.1 | 14876.4 | 13689.5 | 7320.7 | 2632.2 | 1104.6 | 552.3  | 517.0  | 358.4  | 276.1  | 229.1  |
| 52.5° | 15657.8 | 15481.5 | 14277.1 | 7520.4 | 2520.5 | 981.2  | 487.7  | 493.5  | 370.1  | 258.5  | 217.4  |
| 55°   | 16227.7 | 16027.9 | 15181.9 | 7978.7 | 2361.9 | 881.3  | 417.1  | 434.8  | 352.5  | 235.0  | 193.9  |
| 57.5° | 17009.1 | 16680.1 | 15787.0 | 8166.7 | 2220.9 | 746.2  | 370.1  | 358.4  | 329.0  | 211.5  | 170.4  |
| 60°   | 17126.6 | 17261.7 | 15698.9 | 8049.2 | 2074.0 | 658.0  | 323.1  | 276.1  | 352.5  | 188.0  | 146.9  |
| 62.5° | 17520.3 | 16956.2 | 15287.6 | 7778.9 | 1968.2 | 605.2  | 287.9  | 229.1  | 305.5  | 164.5  | 123.4  |
| 65°   | 16762.3 | 16345.2 | 14324.1 | 6909.4 | 1833.1 | 611.0  | 252.6  | 188.0  | 193.9  | 135.1  | 99.9   |
| 67.5° | 15651.9 | 15322.9 | 12726.0 | 5963.5 | 1698.0 | 599.3  | 223.3  | 164.5  | 146.9  | 117.5  | 88.1   |
| 70°   | 13736.5 | 13025.6 | 10810.6 | 4841.3 | 1498.2 | 558.2  | 188.0  | 146.9  | 123.4  | 94.0   | 64.6   |
| 72.5° | 9993.9  | 9706.1  | 7755.4  | 3742.6 | 1345.5 | 505.3  | 176.3  | 123.4  | 105.8  | 70.5   | 52.9   |
| 75°   | 6727.3  | 6251.4  | 4894.2  | 2455.9 | 1081.1 | 440.7  | 146.9  | 111.6  | 82.3   | 52.9   | 41.1   |
| 77.5° | 3554.6  | 3360.7  | 2773.2  | 1169.2 | 599.3  | 205.6  | 82.3   | 64.6   | 47.0   | 41.1   | 23.5   |
| 80°   | 1539.3  | 1369.0  | 1198.6  | 475.9  | 211.5  | 94.0   | 52.9   | 35.3   | 29.4   | 23.5   | 11.8   |
| 82.5° | 787.3   | 752.0   | 622.8   | 205.6  | 123.4  | 70.5   | 29.4   | 23.5   | 17.6   | 11.8   | 5.9    |
| 85°   | 387.8   | 399.5   | 329.0   | 64.6   | 70.5   | 41.1   | 5.9    | 5.9    | 0.0    | 0.0    | 0.0    |
| 87.5° | 29.4    | 29.4    | 23.5    | 11.8   | 17.6   | 5.9    | 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°    | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 |
| 2.5°  | 7291.3 | 7373.5 | 7232.5 | 7320.7 | 7279.5 | 7297.2 | 7314.8 | 7267.8 | 7279.5 | 7444.1 | 7449.9 |
| 5°    | 5840.1 | 5998.7 | 5940.0 | 6022.2 | 6163.2 | 6092.7 | 6157.4 | 6145.6 | 6157.4 | 6180.9 | 6286.6 |
| 7.5°  | 4165.6 | 4118.6 | 4230.2 | 4447.6 | 4700.3 | 4853.0 | 4776.6 | 4735.5 | 4712.0 | 4653.3 | 4723.8 |
| 10°   | 3143.3 | 3119.8 | 3090.4 | 3155.1 | 3319.6 | 3489.9 | 3584.0 | 3425.3 | 3337.2 | 3225.6 | 3184.4 |
| 12.5° | 2608.6 | 2461.8 | 2379.5 | 2279.6 | 2326.6 | 2479.4 | 2485.3 | 2332.5 | 2191.5 | 2132.7 | 2197.4 |
| 15°   | 2056.4 | 1956.5 | 1809.6 | 1668.6 | 1598.1 | 1715.6 | 1615.7 | 1468.8 | 1286.7 | 1263.2 | 1257.3 |
| 17.5° | 1468.8 | 1410.1 | 1304.3 | 1245.6 | 1163.3 | 1133.9 | 1028.2 | 804.9  | 675.7  | 640.4  | 652.2  |
| 20°   | 998.8  | 951.8  | 945.9  | 893.1  | 857.8  | 834.3  | 663.9  | 517.0  | 475.9  | 481.8  | 487.7  |
| 22.5° | 740.3  | 716.8  | 687.4  | 681.5  | 652.2  | 622.8  | 487.7  | 434.8  | 405.4  | 405.4  | 423.0  |
| 25°   | 605.2  | 593.4  | 564.0  | 552.3  | 540.5  | 499.4  | 411.3  | 370.1  | 358.4  | 346.6  | 364.3  |
| 27.5° | 517.0  | 511.2  | 493.5  | 475.9  | 464.2  | 423.0  | 358.4  | 323.1  | 311.4  | 311.4  | 311.4  |
| 30°   | 464.2  | 464.2  | 440.7  | 405.4  | 405.4  | 358.4  | 305.5  | 282.0  | 270.3  | 270.3  | 264.4  |
| 32.5° | 434.8  | 423.0  | 393.6  | 370.1  | 352.5  | 305.5  | 270.3  | 246.8  | 229.1  | 229.1  | 235.0  |
| 35°   | 352.5  | 352.5  | 346.6  | 329.0  | 305.5  | 258.5  | 229.1  | 205.6  | 193.9  | 188.0  | 193.9  |
| 37.5° | 311.4  | 293.8  | 270.3  | 276.1  | 264.4  | 223.3  | 193.9  | 176.3  | 158.6  | 158.6  | 158.6  |
| 40°   | 282.0  | 264.4  | 240.9  | 223.3  | 217.4  | 199.8  | 170.4  | 141.0  | 123.4  | 117.5  | 117.5  |
| 42.5° | 252.6  | 240.9  | 205.6  | 176.3  | 170.4  | 170.4  | 129.3  | 105.8  | 88.1   | 88.1   | 88.1   |
| 45°   | 235.0  | 217.4  | 188.0  | 152.8  | 123.4  | 129.3  | 105.8  | 76.4   | 64.6   | 58.8   | 58.8   |
| 47.5° | 223.3  | 205.6  | 164.5  | 129.3  | 94.0   | 94.0   | 76.4   | 52.9   | 41.1   | 35.3   | 35.3   |
| 50°   | 205.6  | 188.0  | 146.9  | 105.8  | 70.5   | 58.8   | 47.0   | 29.4   | 17.6   | 11.8   | 11.8   |
| 52.5° | 193.9  | 176.3  | 129.3  | 88.1   | 58.8   | 41.1   | 29.4   | 5.9    | 0.0    | 0.0    | 0.0    |
| 55°   | 176.3  | 152.8  | 111.6  | 70.5   | 47.0   | 23.5   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 152.8  | 135.1  | 88.1   | 52.9   | 29.4   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 129.3  | 111.6  | 70.5   | 41.1   | 11.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 105.8  | 94.0   | 52.9   | 23.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 88.1   | 70.5   | 41.1   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 76.4   | 58.8   | 29.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 58.8   | 41.1   | 17.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 41.1   | 29.4   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 29.4   | 17.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 17.6   | 5.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 5.9    | 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: P599338  
 CATALOG NUMBER: IFLD-L-SA8B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2 | 8331.2  | 8331.2  | 8331.2  |
| 2.5°  | 7473.4 | 7649.7 | 7814.2 | 7861.2 | 7990.5 | 8348.9 | 8348.9 | 8519.2 | 8824.8  | 8936.4  | 8959.9  |
| 5°    | 6304.2 | 6492.2 | 6527.5 | 6891.8 | 7062.2 | 7426.4 | 7667.3 | 8243.1 | 8589.7  | 8807.1  | 8942.3  |
| 7.5°  | 4794.3 | 4858.9 | 4994.0 | 5334.8 | 5669.7 | 6110.4 | 6568.6 | 7303.0 | 7914.1  | 8160.8  | 8619.1  |
| 10°   | 3296.1 | 3489.9 | 3783.7 | 4089.2 | 4612.1 | 5099.8 | 5693.2 | 6386.5 | 7138.5  | 7444.1  | 7837.7  |
| 12.5° | 2220.9 | 2491.1 | 2961.2 | 3395.9 | 3877.7 | 4371.3 | 4935.3 | 5863.6 | 6715.5  | 7138.5  | 7532.2  |
| 15°   | 1298.4 | 1627.5 | 2032.9 | 2737.9 | 3378.3 | 3930.6 | 4494.6 | 5434.7 | 6468.7  | 7015.2  | 7496.9  |
| 17.5° | 658.0  | 757.9  | 1092.8 | 1703.8 | 2549.9 | 3454.7 | 4294.9 | 5493.4 | 6656.8  | 7326.5  | 7726.1  |
| 20°   | 493.5  | 522.9  | 616.9  | 904.8  | 1745.0 | 2855.4 | 4106.9 | 5581.6 | 7179.7  | 7996.3  | 8213.7  |
| 22.5° | 428.9  | 452.4  | 493.5  | 587.5  | 981.2  | 2185.6 | 3842.5 | 5799.0 | 7890.6  | 8660.2  | 9118.5  |
| 25°   | 364.3  | 387.8  | 423.0  | 481.8  | 628.7  | 1486.5 | 3519.3 | 6028.1 | 8525.1  | 9494.5  | 9923.4  |
| 27.5° | 317.3  | 334.9  | 370.1  | 417.1  | 511.2  | 945.9  | 2961.2 | 6333.6 | 9494.5  | 10505.1 | 10616.7 |
| 30°   | 270.3  | 287.9  | 317.3  | 370.1  | 434.8  | 669.8  | 2173.9 | 6374.7 | 10029.2 | 10945.8 | 11257.1 |
| 32.5° | 235.0  | 240.9  | 276.1  | 323.1  | 364.3  | 528.8  | 1527.6 | 6415.9 | 10422.8 | 11515.7 | 11580.3 |
| 35°   | 193.9  | 205.6  | 240.9  | 270.3  | 317.3  | 417.1  | 1157.4 | 6210.2 | 10934.0 | 12103.2 | 12085.6 |
| 37.5° | 158.6  | 176.3  | 199.8  | 223.3  | 258.5  | 352.5  | 922.4  | 5828.3 | 11574.4 | 13013.9 | 12461.6 |
| 40°   | 123.4  | 141.0  | 164.5  | 193.9  | 217.4  | 317.3  | 693.3  | 5252.6 | 12244.2 | 13460.4 | 12872.9 |
| 42.5° | 88.1   | 99.9   | 123.4  | 152.8  | 193.9  | 264.4  | 499.4  | 4571.0 | 12508.6 | 13983.3 | 13366.4 |
| 45°   | 64.6   | 76.4   | 94.0   | 129.3  | 199.8  | 211.5  | 346.6  | 3948.2 | 12790.6 | 14212.4 | 13254.8 |
| 47.5° | 35.3   | 47.0   | 70.5   | 111.6  | 176.3  | 158.6  | 246.8  | 3390.1 | 13113.8 | 14418.1 | 13342.9 |
| 50°   | 11.8   | 17.6   | 41.1   | 117.5  | 141.0  | 123.4  | 193.9  | 3090.4 | 13431.0 | 14459.2 | 13519.1 |
| 52.5° | 0.0    | 0.0    | 23.5   | 123.4  | 105.8  | 94.0   | 170.4  | 2972.9 | 13348.8 | 14588.5 | 13407.5 |
| 55°   | 0.0    | 0.0    | 5.9    | 52.9   | 58.8   | 70.5   | 141.0  | 2967.0 | 13930.4 | 14629.6 | 14018.6 |
| 57.5° | 0.0    | 0.0    | 0.0    | 17.6   | 35.3   | 58.8   | 123.4  | 2779.0 | 14300.6 | 15651.9 | 14841.1 |
| 60°   | 0.0    | 0.0    | 0.0    | 5.9    | 23.5   | 41.1   | 94.0   | 2614.5 | 14676.6 | 16110.2 | 15722.4 |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 5.9    | 17.6   | 64.6   | 2361.9 | 13918.7 | 16074.9 | 16574.3 |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 41.1   | 1868.4 | 12520.3 | 15234.7 | 16104.3 |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 23.5   | 1292.6 | 10963.4 | 14177.2 | 15240.6 |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 781.4  | 8848.3  | 12432.2 | 12925.7 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 334.9  | 6316.0  | 9870.6  | 10605.0 |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 135.1  | 3907.1  | 7214.9  | 8119.7  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 52.9   | 2532.3  | 5464.1  | 6163.2  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 11.8   | 1351.3  | 3425.3  | 3983.5  |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 587.5   | 2079.9  | 2397.1  |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 188.0   | 1263.2  | 1439.5  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 193.9   | 258.5   |
| 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: P599338  
 CATALOG NUMBER: IFLD-L-SA8B-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  | 8331.2  |
| 2.5°  | 8971.6  | 9142.0  | 9206.7  | 9106.8  | 9118.5  | 8912.9  | 8883.5  | 8595.6  | 8478.1  | 8501.6  |
| 5°    | 9382.9  | 9629.7  | 9764.8  | 9653.2  | 9400.5  | 9006.9  | 8648.5  | 8307.7  | 8096.2  | 7990.5  |
| 7.5°  | 9288.9  | 9565.0  | 9735.4  | 9841.2  | 9553.3  | 8918.8  | 8372.4  | 7731.9  | 7461.7  | 7467.6  |
| 10°   | 8771.9  | 9347.7  | 9694.3  | 9559.2  | 9424.0  | 8789.5  | 7943.5  | 7250.2  | 7009.3  | 7032.8  |
| 12.5° | 8354.7  | 8995.1  | 9200.8  | 9306.5  | 9030.4  | 8525.1  | 7955.2  | 7162.0  | 6891.8  | 6727.3  |
| 15°   | 8096.2  | 8572.1  | 8583.9  | 8748.4  | 8636.7  | 8636.7  | 8078.6  | 7303.0  | 7068.0  | 6885.9  |
| 17.5° | 8096.2  | 8202.0  | 8190.2  | 8249.0  | 8437.0  | 8660.2  | 8390.0  | 7873.0  | 7408.8  | 7379.4  |
| 20°   | 8278.3  | 7949.3  | 7873.0  | 7896.5  | 8055.1  | 8719.0  | 9077.4  | 8431.1  | 8137.3  | 8043.3  |
| 22.5° | 8701.4  | 7978.7  | 7514.6  | 7432.3  | 7920.0  | 8713.1  | 9518.0  | 9312.4  | 8801.3  | 8724.9  |
| 25°   | 9283.0  | 7925.8  | 7420.6  | 7314.8  | 7684.9  | 8924.6  | 10123.2 | 10164.3 | 9700.2  | 9541.5  |
| 27.5° | 9835.3  | 8160.8  | 7408.8  | 7385.3  | 7873.0  | 8877.6  | 10540.4 | 10845.9 | 10323.0 | 10193.7 |
| 30°   | 10023.3 | 8395.9  | 7626.2  | 7314.8  | 7943.5  | 9048.0  | 10528.6 | 11327.6 | 10986.9 | 11016.3 |
| 32.5° | 10246.6 | 8630.9  | 7649.7  | 7526.3  | 8243.1  | 9324.2  | 10863.5 | 12103.2 | 11856.4 | 11509.8 |
| 35°   | 10575.6 | 8948.1  | 7873.0  | 7761.3  | 8454.6  | 9570.9  | 10934.0 | 12673.1 | 12632.0 | 12226.6 |
| 37.5° | 10857.6 | 9259.5  | 8337.1  | 8354.7  | 9100.9  | 9970.4  | 11245.4 | 13372.3 | 13301.8 | 13025.6 |
| 40°   | 11057.4 | 9694.3  | 9059.8  | 9106.8  | 9664.9  | 10417.0 | 11797.7 | 13724.8 | 14247.7 | 13842.3 |
| 42.5° | 11086.8 | 10082.1 | 9888.2  | 10264.2 | 10787.1 | 11110.3 | 12020.9 | 13965.7 | 14717.7 | 14453.3 |
| 45°   | 11198.4 | 10699.0 | 11239.5 | 11515.7 | 11944.6 | 11721.3 | 12009.2 | 14376.9 | 14753.0 | 14617.8 |
| 47.5° | 11633.2 | 11821.2 | 12502.7 | 13342.9 | 13495.6 | 12761.2 | 12291.2 | 14441.6 | 14952.7 | 14935.1 |
| 50°   | 12085.6 | 13025.6 | 13983.3 | 14541.5 | 14735.3 | 13478.0 | 12555.6 | 14388.7 | 15217.1 | 15076.1 |
| 52.5° | 12590.8 | 14071.4 | 15452.1 | 16139.5 | 16033.8 | 14271.2 | 12855.2 | 14817.6 | 15704.8 | 15657.8 |
| 55°   | 12908.1 | 14541.5 | 16398.1 | 17355.7 | 17273.5 | 15158.4 | 13807.0 | 15434.5 | 16345.2 | 16227.7 |
| 57.5° | 13748.3 | 15305.3 | 17338.1 | 17784.6 | 18002.0 | 16321.7 | 14471.0 | 16445.1 | 16879.8 | 17009.1 |
| 60°   | 14441.6 | 15804.7 | 17584.9 | 18231.2 | 18307.5 | 17015.0 | 15634.3 | 17485.0 | 17561.4 | 17126.6 |
| 62.5° | 15458.0 | 15998.5 | 17062.0 | 17643.6 | 18037.3 | 17408.6 | 16680.1 | 18043.2 | 17549.6 | 17520.3 |
| 65°   | 16204.2 | 15364.0 | 16086.7 | 16409.8 | 16662.5 | 16809.3 | 17731.8 | 18425.1 | 17332.2 | 16762.3 |
| 67.5° | 15787.0 | 14165.4 | 14030.3 | 14047.9 | 14124.3 | 15011.5 | 17379.2 | 17490.9 | 16121.9 | 15651.9 |
| 70°   | 13895.2 | 11621.4 | 11439.3 | 11580.3 | 11198.4 | 12267.7 | 15951.5 | 15898.7 | 14224.2 | 13736.5 |
| 72.5° | 11239.5 | 8472.2  | 8160.8  | 8354.7  | 8442.9  | 9576.8  | 13419.3 | 12056.2 | 10375.8 | 9993.9  |
| 75°   | 8930.5  | 6210.2  | 5240.8  | 5710.8  | 6010.5  | 6974.0  | 10481.6 | 8190.2  | 7244.3  | 6727.3  |
| 77.5° | 7015.2  | 4700.3  | 4077.5  | 3889.5  | 4165.6  | 5070.4  | 7626.2  | 4300.7  | 3795.5  | 3554.6  |
| 80°   | 4447.6  | 3454.7  | 3748.5  | 3478.2  | 3595.7  | 3619.2  | 3971.7  | 1956.5  | 1557.0  | 1539.3  |
| 82.5° | 2679.2  | 2361.9  | 2808.4  | 1545.2  | 2814.3  | 2514.6  | 1651.0  | 887.2   | 787.3   | 787.3   |
| 85°   | 1897.7  | 1463.0  | 969.4   | 628.7   | 1251.4  | 1380.7  | 640.4   | 458.3   | 399.5   | 387.8   |
| 87.5° | 951.8   | 452.4   | 217.4   | 141.0   | 158.6   | 258.5   | 76.4    | 35.3    | 35.3    | 29.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)