

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: P599352

Luminaire Tested: **IFLD-S-SA6B-830-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: P599352  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6B-830-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (96) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

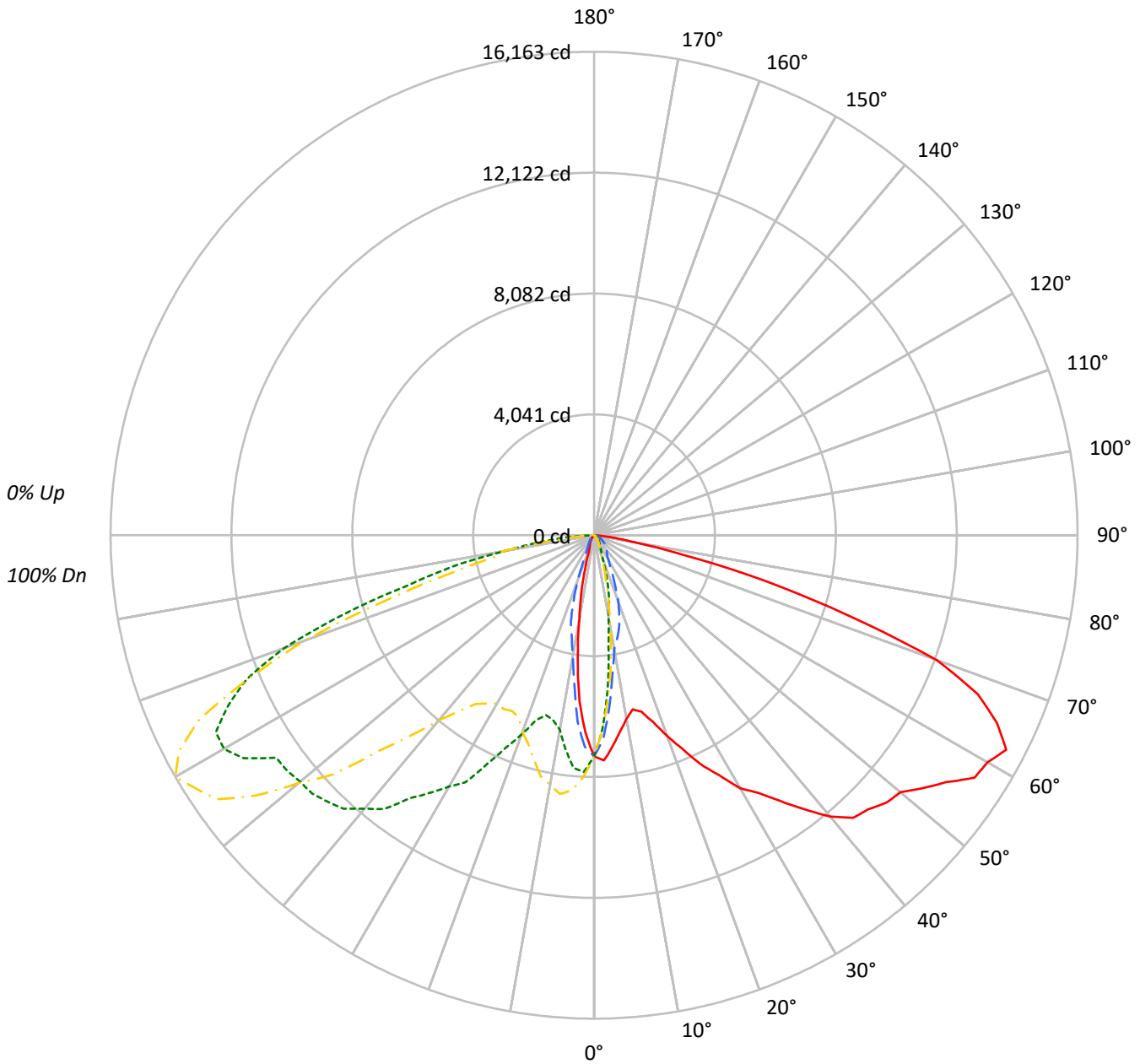
Lumens per Lamp: N/A  
 Luminaire Lumens: 19320.1 lumens  
 Efficiency: N/A  
 Efficacy: 78.9 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 244.9  
 Input Voltage (V): 120  
 Input Current (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            |

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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°  | 53002  | 53002 | 53002 | 53002  |
| 5°  | 51029  | 37295 | 40147 | 56244  |
| 10° | 45431  | 20306 | 20572 | 48088  |
| 15° | 45352  | 13544 | 8281  | 46204  |
| 20° | 54454  | 6762  | 3301  | 54137  |
| 25° | 66977  | 4248  | 2557  | 66647  |
| 30° | 80926  | 3410  | 1942  | 80408  |
| 35° | 94956  | 2738  | 1506  | 93998  |
| 40° | 114957 | 2342  | 976   | 111786 |
| 45° | 131517 | 2115  | 529   | 127870 |
| 50° | 149212 | 2035  | 116   | 143106 |
| 55° | 179990 | 1955  | 0     | 162265 |
| 60° | 217913 | 1645  | 0     | 204981 |
| 65° | 252331 | 1326  | 0     | 229335 |
| 70° | 255509 | 1093  | 0     | 231249 |
| 75° | 165359 | 721   | 0     | 177345 |
| 80° | 56396  | 215   | 0     | 125490 |
| 85° | 28307  | 0     | 0     | 92207  |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 559.5   | 2.9       |
| 10°-20°   | 1083.4  | 5.6       |
| 20°-30°   | 1508.9  | 7.8       |
| 30°-40°   | 2144.0  | 11.1      |
| 40°-50°   | 2973.1  | 15.4      |
| 50°-60°   | 4051.0  | 21.0      |
| 60°-70°   | 4453.8  | 23.1      |
| 70°-80°   | 2189.0  | 11.3      |
| 80°-90°   | 357.5   | 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°    | 3151.8  | 16.3      |
| 0°-40°    | 5295.8  | 27.4      |
| 0°-60°    | 12319.9 | 63.8      |
| 0°-90°    | 19320.1 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 19320.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°  | 180° | 270°  | 360°  | Flux  |
|-----|-------|------|------|-------|-------|-------|
| 0°  | 7386  | 7386 | 7386 | 7386  | 7386  |       |
| 5°  | 7084  | 5178 | 5573 | 7808  | 7084  | 648   |
| 15° | 6105  | 1823 | 1115 | 6219  | 6105  | 1807  |
| 25° | 8459  | 536  | 323  | 8417  | 8459  | 3933  |
| 35° | 10840 | 312  | 172  | 10730 | 10840 | 6881  |
| 45° | 12960 | 208  | 52   | 12600 | 12960 | 10046 |
| 55° | 14387 | 156  | 0    | 12970 | 14387 | 12942 |
| 65° | 14861 | 78   | 0    | 13506 | 14861 | 14361 |
| 75° | 5964  | 26   | 0    | 6396  | 5964  | 6502  |
| 85° | 344   | 0    | 0    | 1120  | 344   | 476   |
| 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°    | 7386.1  | 7386.1  | 7386.1  | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 |
| 2.5°  | 7537.1  | 7625.7  | 7542.3  | 7250.6 | 7198.5 | 7057.9 | 6844.3 | 6828.7 | 6604.7 | 6630.8 | 6511.0 |
| 5°    | 7084.0  | 7172.5  | 6995.4  | 6610.0 | 6250.5 | 5964.1 | 5792.2 | 5484.9 | 5417.1 | 5266.1 | 5266.1 |
| 7.5°  | 6620.4  | 6615.2  | 6313.1  | 5990.1 | 5453.6 | 4927.5 | 4687.9 | 4245.2 | 3984.7 | 3844.1 | 3708.7 |
| 10°   | 6234.9  | 6151.6  | 5964.1  | 5297.3 | 4714.0 | 4167.0 | 3870.1 | 3578.4 | 3307.6 | 3073.2 | 2838.8 |
| 12.5° | 5964.1  | 6016.1  | 5719.2  | 4995.2 | 4240.0 | 3859.7 | 3542.0 | 3234.7 | 2911.7 | 2646.1 | 2385.6 |
| 15°   | 6104.7  | 6021.4  | 5672.4  | 4927.5 | 4161.8 | 3640.9 | 3219.0 | 2844.0 | 2484.6 | 2135.6 | 1937.7 |
| 17.5° | 6542.2  | 6328.7  | 5917.2  | 4927.5 | 4000.3 | 3307.6 | 2797.1 | 2354.4 | 1968.9 | 1656.4 | 1411.6 |
| 20°   | 7130.8  | 6886.0  | 6443.3  | 5109.8 | 3880.5 | 3062.8 | 2364.8 | 1807.4 | 1406.4 | 1114.7 | 927.2  |
| 22.5° | 7735.0  | 7542.3  | 6875.6  | 5182.7 | 3739.9 | 2734.6 | 1864.7 | 1307.4 | 937.6  | 750.1  | 656.3  |
| 25°   | 8459.1  | 8188.2  | 7459.0  | 5474.4 | 3531.6 | 2416.9 | 1468.9 | 911.5  | 698.0  | 599.0  | 541.7  |
| 27.5° | 9037.2  | 8990.4  | 8005.9  | 5651.5 | 3375.3 | 2156.4 | 1161.6 | 724.0  | 578.2  | 505.3  | 468.8  |
| 30°   | 9766.5  | 9511.2  | 8672.6  | 6005.7 | 3198.2 | 1859.5 | 968.8  | 651.1  | 531.3  | 453.2  | 427.1  |
| 32.5° | 10204.0 | 10084.2 | 9021.6  | 6203.7 | 3000.3 | 1614.7 | 833.4  | 573.0  | 484.4  | 427.1  | 401.1  |
| 35°   | 10839.5 | 10599.9 | 9521.7  | 6328.7 | 2896.1 | 1474.1 | 750.1  | 520.9  | 406.3  | 349.0  | 317.7  |
| 37.5° | 11547.9 | 11459.3 | 10120.7 | 6323.5 | 2745.0 | 1390.7 | 692.8  | 484.4  | 385.5  | 322.9  | 286.5  |
| 40°   | 12271.9 | 11912.5 | 10485.3 | 6469.3 | 2666.9 | 1328.2 | 651.1  | 463.6  | 364.6  | 307.3  | 260.4  |
| 42.5° | 12813.6 | 12402.1 | 10907.2 | 6417.2 | 2573.1 | 1218.9 | 635.5  | 432.3  | 349.0  | 281.3  | 239.6  |
| 45°   | 12959.5 | 12813.6 | 11287.4 | 6401.6 | 2505.4 | 1130.3 | 609.4  | 427.1  | 338.6  | 265.6  | 224.0  |
| 47.5° | 13240.7 | 13141.8 | 11756.2 | 6427.6 | 2453.3 | 1062.6 | 546.9  | 437.5  | 322.9  | 250.0  | 213.6  |
| 50°   | 13365.7 | 13188.6 | 12136.5 | 6490.1 | 2333.5 | 979.3  | 489.6  | 458.4  | 317.7  | 244.8  | 203.1  |
| 52.5° | 13881.4 | 13725.2 | 12657.4 | 6667.2 | 2234.6 | 869.9  | 432.3  | 437.5  | 328.2  | 229.2  | 192.7  |
| 55°   | 14386.7 | 14209.6 | 13459.5 | 7073.5 | 2093.9 | 781.3  | 369.8  | 385.5  | 312.5  | 208.4  | 171.9  |
| 57.5° | 15079.4 | 14787.7 | 13996.0 | 7240.2 | 1968.9 | 661.5  | 328.2  | 317.7  | 291.7  | 187.5  | 151.1  |
| 60°   | 15183.6 | 15303.4 | 13917.9 | 7136.0 | 1838.7 | 583.4  | 286.5  | 244.8  | 312.5  | 166.7  | 130.2  |
| 62.5° | 15532.6 | 15032.6 | 13553.3 | 6896.4 | 1744.9 | 536.5  | 255.2  | 203.1  | 270.9  | 145.8  | 109.4  |
| 65°   | 14860.7 | 14490.8 | 12699.0 | 6125.5 | 1625.1 | 541.7  | 224.0  | 166.7  | 171.9  | 119.8  | 88.5   |
| 67.5° | 13876.2 | 13584.5 | 11282.2 | 5286.9 | 1505.3 | 531.3  | 197.9  | 145.8  | 130.2  | 104.2  | 78.1   |
| 70°   | 12178.1 | 11547.9 | 9584.2  | 4292.0 | 1328.2 | 494.8  | 166.7  | 130.2  | 109.4  | 83.3   | 57.3   |
| 72.5° | 8860.1  | 8604.9  | 6875.6  | 3318.0 | 1192.8 | 448.0  | 156.3  | 109.4  | 93.8   | 62.5   | 46.9   |
| 75°   | 5964.1  | 5542.1  | 4338.9  | 2177.3 | 958.4  | 390.7  | 130.2  | 99.0   | 72.9   | 46.9   | 36.5   |
| 77.5° | 3151.3  | 2979.4  | 2458.5  | 1036.5 | 531.3  | 182.3  | 72.9   | 57.3   | 41.7   | 36.5   | 20.8   |
| 80°   | 1364.7  | 1213.6  | 1062.6  | 421.9  | 187.5  | 83.3   | 46.9   | 31.3   | 26.0   | 20.8   | 10.4   |
| 82.5° | 698.0   | 666.7   | 552.1   | 182.3  | 109.4  | 62.5   | 26.0   | 20.8   | 15.6   | 10.4   | 5.2    |
| 85°   | 343.8   | 354.2   | 291.7   | 57.3   | 62.5   | 36.5   | 5.2    | 5.2    | 0.0    | 0.0    | 0.0    |
| 87.5° | 26.0    | 26.0    | 20.8    | 10.4   | 15.6   | 5.2    | 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°    | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 |
| 2.5°  | 6464.1 | 6537.0 | 6412.0 | 6490.1 | 6453.7 | 6469.3 | 6484.9 | 6443.3 | 6453.7 | 6599.5 | 6604.7 |
| 5°    | 5177.5 | 5318.2 | 5266.1 | 5339.0 | 5464.0 | 5401.5 | 5458.8 | 5448.4 | 5458.8 | 5479.6 | 5573.4 |
| 7.5°  | 3693.0 | 3651.4 | 3750.3 | 3943.1 | 4167.0 | 4302.5 | 4234.7 | 4198.3 | 4177.4 | 4125.4 | 4187.9 |
| 10°   | 2786.7 | 2765.9 | 2739.8 | 2797.1 | 2943.0 | 3094.0 | 3177.4 | 3036.7 | 2958.6 | 2859.6 | 2823.2 |
| 12.5° | 2312.7 | 2182.5 | 2109.6 | 2021.0 | 2062.7 | 2198.1 | 2203.3 | 2067.9 | 1942.9 | 1890.8 | 1948.1 |
| 15°   | 1823.1 | 1734.5 | 1604.3 | 1479.3 | 1416.8 | 1521.0 | 1432.4 | 1302.2 | 1140.7 | 1119.9 | 1114.7 |
| 17.5° | 1302.2 | 1250.1 | 1156.4 | 1104.3 | 1031.3 | 1005.3 | 911.5  | 713.6  | 599.0  | 567.8  | 578.2  |
| 20°   | 885.5  | 843.8  | 838.6  | 791.7  | 760.5  | 739.6  | 588.6  | 458.4  | 421.9  | 427.1  | 432.3  |
| 22.5° | 656.3  | 635.5  | 609.4  | 604.2  | 578.2  | 552.1  | 432.3  | 385.5  | 359.4  | 359.4  | 375.0  |
| 25°   | 536.5  | 526.1  | 500.0  | 489.6  | 479.2  | 442.7  | 364.6  | 328.2  | 317.7  | 307.3  | 322.9  |
| 27.5° | 458.4  | 453.2  | 437.5  | 421.9  | 411.5  | 375.0  | 317.7  | 286.5  | 276.1  | 276.1  | 276.1  |
| 30°   | 411.5  | 411.5  | 390.7  | 359.4  | 359.4  | 317.7  | 270.9  | 250.0  | 239.6  | 239.6  | 234.4  |
| 32.5° | 385.5  | 375.0  | 349.0  | 328.2  | 312.5  | 270.9  | 239.6  | 218.8  | 203.1  | 203.1  | 208.4  |
| 35°   | 312.5  | 312.5  | 307.3  | 291.7  | 270.9  | 229.2  | 203.1  | 182.3  | 171.9  | 166.7  | 171.9  |
| 37.5° | 276.1  | 260.4  | 239.6  | 244.8  | 234.4  | 197.9  | 171.9  | 156.3  | 140.6  | 140.6  | 140.6  |
| 40°   | 250.0  | 234.4  | 213.6  | 197.9  | 192.7  | 177.1  | 151.1  | 125.0  | 109.4  | 104.2  | 104.2  |
| 42.5° | 224.0  | 213.6  | 182.3  | 156.3  | 151.1  | 151.1  | 114.6  | 93.8   | 78.1   | 78.1   | 78.1   |
| 45°   | 208.4  | 192.7  | 166.7  | 135.4  | 109.4  | 114.6  | 93.8   | 67.7   | 57.3   | 52.1   | 52.1   |
| 47.5° | 197.9  | 182.3  | 145.8  | 114.6  | 83.3   | 83.3   | 67.7   | 46.9   | 36.5   | 31.3   | 31.3   |
| 50°   | 182.3  | 166.7  | 130.2  | 93.8   | 62.5   | 52.1   | 41.7   | 26.0   | 15.6   | 10.4   | 10.4   |
| 52.5° | 171.9  | 156.3  | 114.6  | 78.1   | 52.1   | 36.5   | 26.0   | 5.2    | 0.0    | 0.0    | 0.0    |
| 55°   | 156.3  | 135.4  | 99.0   | 62.5   | 41.7   | 20.8   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 135.4  | 119.8  | 78.1   | 46.9   | 26.0   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 114.6  | 99.0   | 62.5   | 36.5   | 10.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 93.8   | 83.3   | 46.9   | 20.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 78.1   | 62.5   | 36.5   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 67.7   | 52.1   | 26.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 52.1   | 36.5   | 15.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 36.5   | 26.0   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 26.0   | 15.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 15.6   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 5.2    | 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: P599352  
 CATALOG NUMBER: IFLD-S-SA6B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1 | 7386.1  | 7386.1  | 7386.1  |
| 2.5°  | 6625.6 | 6781.8 | 6927.7 | 6969.4 | 7084.0 | 7401.7 | 7401.7 | 7552.7 | 7823.6  | 7922.6  | 7943.4  |
| 5°    | 5589.0 | 5755.7 | 5787.0 | 6109.9 | 6261.0 | 6583.9 | 6797.5 | 7307.9 | 7615.2  | 7808.0  | 7927.8  |
| 7.5°  | 4250.4 | 4307.7 | 4427.5 | 4729.6 | 5026.5 | 5417.1 | 5823.4 | 6474.5 | 7016.2  | 7235.0  | 7641.3  |
| 10°   | 2922.1 | 3094.0 | 3354.5 | 3625.3 | 4088.9 | 4521.2 | 5047.3 | 5662.0 | 6328.7  | 6599.5  | 6948.5  |
| 12.5° | 1968.9 | 2208.5 | 2625.2 | 3010.7 | 3437.8 | 3875.3 | 4375.4 | 5198.4 | 5953.6  | 6328.7  | 6677.7  |
| 15°   | 1151.1 | 1442.8 | 1802.2 | 2427.3 | 2995.1 | 3484.7 | 3984.7 | 4818.1 | 5734.9  | 6219.3  | 6646.4  |
| 17.5° | 583.4  | 671.9  | 968.8  | 1510.5 | 2260.6 | 3062.8 | 3807.6 | 4870.2 | 5901.6  | 6495.4  | 6849.6  |
| 20°   | 437.5  | 463.6  | 546.9  | 802.2  | 1547.0 | 2531.5 | 3640.9 | 4948.3 | 6365.1  | 7089.2  | 7281.9  |
| 22.5° | 380.2  | 401.1  | 437.5  | 520.9  | 869.9  | 1937.7 | 3406.5 | 5141.1 | 6995.4  | 7677.8  | 8084.0  |
| 25°   | 322.9  | 343.8  | 375.0  | 427.1  | 557.3  | 1317.8 | 3120.1 | 5344.2 | 7558.0  | 8417.4  | 8797.6  |
| 27.5° | 281.3  | 296.9  | 328.2  | 369.8  | 453.2  | 838.6  | 2625.2 | 5615.1 | 8417.4  | 9313.3  | 9412.3  |
| 30°   | 239.6  | 255.2  | 281.3  | 328.2  | 385.5  | 593.8  | 1927.3 | 5651.5 | 8891.4  | 9704.0  | 9980.0  |
| 32.5° | 208.4  | 213.6  | 244.8  | 286.5  | 322.9  | 468.8  | 1354.3 | 5688.0 | 9240.4  | 10209.2 | 10266.5 |
| 35°   | 171.9  | 182.3  | 213.6  | 239.6  | 281.3  | 369.8  | 1026.1 | 5505.7 | 9693.6  | 10730.1 | 10714.5 |
| 37.5° | 140.6  | 156.3  | 177.1  | 197.9  | 229.2  | 312.5  | 817.8  | 5167.1 | 10261.3 | 11537.5 | 11047.8 |
| 40°   | 109.4  | 125.0  | 145.8  | 171.9  | 192.7  | 281.3  | 614.6  | 4656.7 | 10855.1 | 11933.3 | 11412.5 |
| 42.5° | 78.1   | 88.5   | 109.4  | 135.4  | 171.9  | 234.4  | 442.7  | 4052.4 | 11089.5 | 12396.9 | 11850.0 |
| 45°   | 57.3   | 67.7   | 83.3   | 114.6  | 177.1  | 187.5  | 307.3  | 3500.3 | 11339.5 | 12600.1 | 11751.0 |
| 47.5° | 31.3   | 41.7   | 62.5   | 99.0   | 156.3  | 140.6  | 218.8  | 3005.5 | 11626.0 | 12782.4 | 11829.2 |
| 50°   | 10.4   | 15.6   | 36.5   | 104.2  | 125.0  | 109.4  | 171.9  | 2739.8 | 11907.3 | 12818.8 | 11985.4 |
| 52.5° | 0.0    | 0.0    | 20.8   | 109.4  | 93.8   | 83.3   | 151.1  | 2635.6 | 11834.4 | 12933.4 | 11886.5 |
| 55°   | 0.0    | 0.0    | 5.2    | 46.9   | 52.1   | 62.5   | 125.0  | 2630.4 | 12350.0 | 12969.9 | 12428.2 |
| 57.5° | 0.0    | 0.0    | 0.0    | 15.6   | 31.3   | 52.1   | 109.4  | 2463.8 | 12678.2 | 13876.2 | 13157.4 |
| 60°   | 0.0    | 0.0    | 0.0    | 5.2    | 20.8   | 36.5   | 83.3   | 2317.9 | 13011.6 | 14282.5 | 13938.7 |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 5.2    | 15.6   | 57.3   | 2093.9 | 12339.6 | 14251.2 | 14694.0 |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 36.5   | 1656.4 | 11099.9 | 13506.4 | 14277.3 |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 20.8   | 1145.9 | 9719.6  | 12568.8 | 13511.6 |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 692.8  | 7844.4  | 11021.8 | 11459.3 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 296.9  | 5599.4  | 8750.8  | 9401.9  |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 119.8  | 3463.8  | 6396.4  | 7198.5  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 46.9   | 2245.0  | 4844.2  | 5464.0  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 10.4   | 1198.0  | 3036.7  | 3531.6  |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 520.9   | 1843.9  | 2125.2  |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 166.7   | 1119.9  | 1276.2  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 171.9   | 229.2   |
| 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: P599352  
 CATALOG NUMBER: IFLD-S-SA6B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  | 7386.1  |
| 2.5°  | 7953.8  | 8104.9  | 8162.2  | 8073.6  | 8084.0  | 7901.7  | 7875.7  | 7620.5  | 7516.3  | 7537.1  |
| 5°    | 8318.4  | 8537.2  | 8657.0  | 8558.0  | 8334.1  | 7985.1  | 7667.3  | 7365.2  | 7177.7  | 7084.0  |
| 7.5°  | 8235.1  | 8479.9  | 8631.0  | 8724.7  | 8469.5  | 7906.9  | 7422.5  | 6854.8  | 6615.2  | 6620.4  |
| 10°   | 7776.7  | 8287.2  | 8594.5  | 8474.7  | 8354.9  | 7792.3  | 7042.3  | 6427.6  | 6214.1  | 6234.9  |
| 12.5° | 7406.9  | 7974.7  | 8157.0  | 8250.7  | 8005.9  | 7558.0  | 7052.7  | 6349.5  | 6109.9  | 5964.1  |
| 15°   | 7177.7  | 7599.6  | 7610.0  | 7755.9  | 7656.9  | 7656.9  | 7162.1  | 6474.5  | 6266.2  | 6104.7  |
| 17.5° | 7177.7  | 7271.5  | 7261.0  | 7313.1  | 7479.8  | 7677.8  | 7438.1  | 6979.8  | 6568.3  | 6542.2  |
| 20°   | 7339.2  | 7047.5  | 6979.8  | 7000.6  | 7141.2  | 7729.8  | 8047.6  | 7474.6  | 7214.2  | 7130.8  |
| 22.5° | 7714.2  | 7073.5  | 6662.0  | 6589.1  | 7021.4  | 7724.6  | 8438.2  | 8255.9  | 7802.8  | 7735.0  |
| 25°   | 8229.9  | 7026.7  | 6578.7  | 6484.9  | 6813.1  | 7912.1  | 8974.7  | 9011.2  | 8599.7  | 8459.1  |
| 27.5° | 8719.5  | 7235.0  | 6568.3  | 6547.4  | 6979.8  | 7870.5  | 9344.6  | 9615.4  | 9151.8  | 9037.2  |
| 30°   | 8886.2  | 7443.4  | 6761.0  | 6484.9  | 7042.3  | 8021.5  | 9334.1  | 10042.5 | 9740.4  | 9766.5  |
| 32.5° | 9084.1  | 7651.7  | 6781.8  | 6672.5  | 7307.9  | 8266.3  | 9631.0  | 10730.1 | 10511.3 | 10204.0 |
| 35°   | 9375.8  | 7933.0  | 6979.8  | 6880.8  | 7495.4  | 8485.1  | 9693.6  | 11235.4 | 11198.9 | 10839.5 |
| 37.5° | 9625.8  | 8209.0  | 7391.3  | 7406.9  | 8068.4  | 8839.3  | 9969.6  | 11855.2 | 11792.7 | 11547.9 |
| 40°   | 9802.9  | 8594.5  | 8032.0  | 8073.6  | 8568.5  | 9235.2  | 10459.2 | 12167.7 | 12631.3 | 12271.9 |
| 42.5° | 9829.0  | 8938.3  | 8766.4  | 9099.8  | 9563.3  | 9849.8  | 10657.2 | 12381.3 | 13048.0 | 12813.6 |
| 45°   | 9927.9  | 9485.2  | 9964.4  | 10209.2 | 10589.5 | 10391.5 | 10646.8 | 12745.9 | 13079.3 | 12959.5 |
| 47.5° | 10313.4 | 10480.1 | 11084.3 | 11829.2 | 11964.6 | 11313.5 | 10896.8 | 12803.2 | 13256.4 | 13240.7 |
| 50°   | 10714.5 | 11547.9 | 12396.9 | 12891.7 | 13063.6 | 11949.0 | 11131.2 | 12756.3 | 13490.8 | 13365.7 |
| 52.5° | 11162.4 | 12475.0 | 13699.1 | 14308.5 | 14214.8 | 12652.1 | 11396.8 | 13136.6 | 13923.1 | 13881.4 |
| 55°   | 11443.7 | 12891.7 | 14537.7 | 15386.8 | 15313.8 | 13438.7 | 12240.7 | 13683.5 | 14490.8 | 14386.7 |
| 57.5° | 12188.6 | 13568.9 | 15371.1 | 15767.0 | 15959.7 | 14470.0 | 12829.2 | 14579.4 | 14964.8 | 15079.4 |
| 60°   | 12803.2 | 14011.6 | 15589.9 | 16162.9 | 16230.6 | 15084.6 | 13860.6 | 15501.4 | 15569.1 | 15183.6 |
| 62.5° | 13704.3 | 14183.5 | 15126.3 | 15642.0 | 15991.0 | 15433.6 | 14787.7 | 15996.2 | 15558.6 | 15532.6 |
| 65°   | 14365.8 | 13621.0 | 14261.7 | 14548.1 | 14772.1 | 14902.3 | 15720.1 | 16334.8 | 15365.9 | 14860.7 |
| 67.5° | 13996.0 | 12558.4 | 12438.6 | 12454.2 | 12521.9 | 13308.5 | 15407.6 | 15506.6 | 14292.9 | 13876.2 |
| 70°   | 12318.8 | 10303.0 | 10141.5 | 10266.5 | 9927.9  | 10875.9 | 14141.9 | 14095.0 | 12610.5 | 12178.1 |
| 72.5° | 9964.4  | 7511.1  | 7235.0  | 7406.9  | 7485.0  | 8490.3  | 11896.9 | 10688.4 | 9198.7  | 8860.1  |
| 75°   | 7917.4  | 5505.7  | 4646.2  | 5062.9  | 5328.6  | 6182.8  | 9292.5  | 7261.0  | 6422.4  | 5964.1  |
| 77.5° | 6219.3  | 4167.0  | 3614.9  | 3448.2  | 3693.0  | 4495.2  | 6761.0  | 3812.8  | 3364.9  | 3151.3  |
| 80°   | 3943.1  | 3062.8  | 3323.2  | 3083.6  | 3187.8  | 3208.6  | 3521.1  | 1734.5  | 1380.3  | 1364.7  |
| 82.5° | 2375.2  | 2093.9  | 2489.8  | 1369.9  | 2495.0  | 2229.4  | 1463.7  | 786.5   | 698.0   | 698.0   |
| 85°   | 1682.4  | 1297.0  | 859.4   | 557.3   | 1109.5  | 1224.1  | 567.8   | 406.3   | 354.2   | 343.8   |
| 87.5° | 843.8   | 401.1   | 192.7   | 125.0   | 140.6   | 229.2   | 67.7    | 31.3    | 31.3    | 26.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)