

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: P599322

Luminaire Tested: **IFLD-S-SA6A-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: P599322
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6A-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (96) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

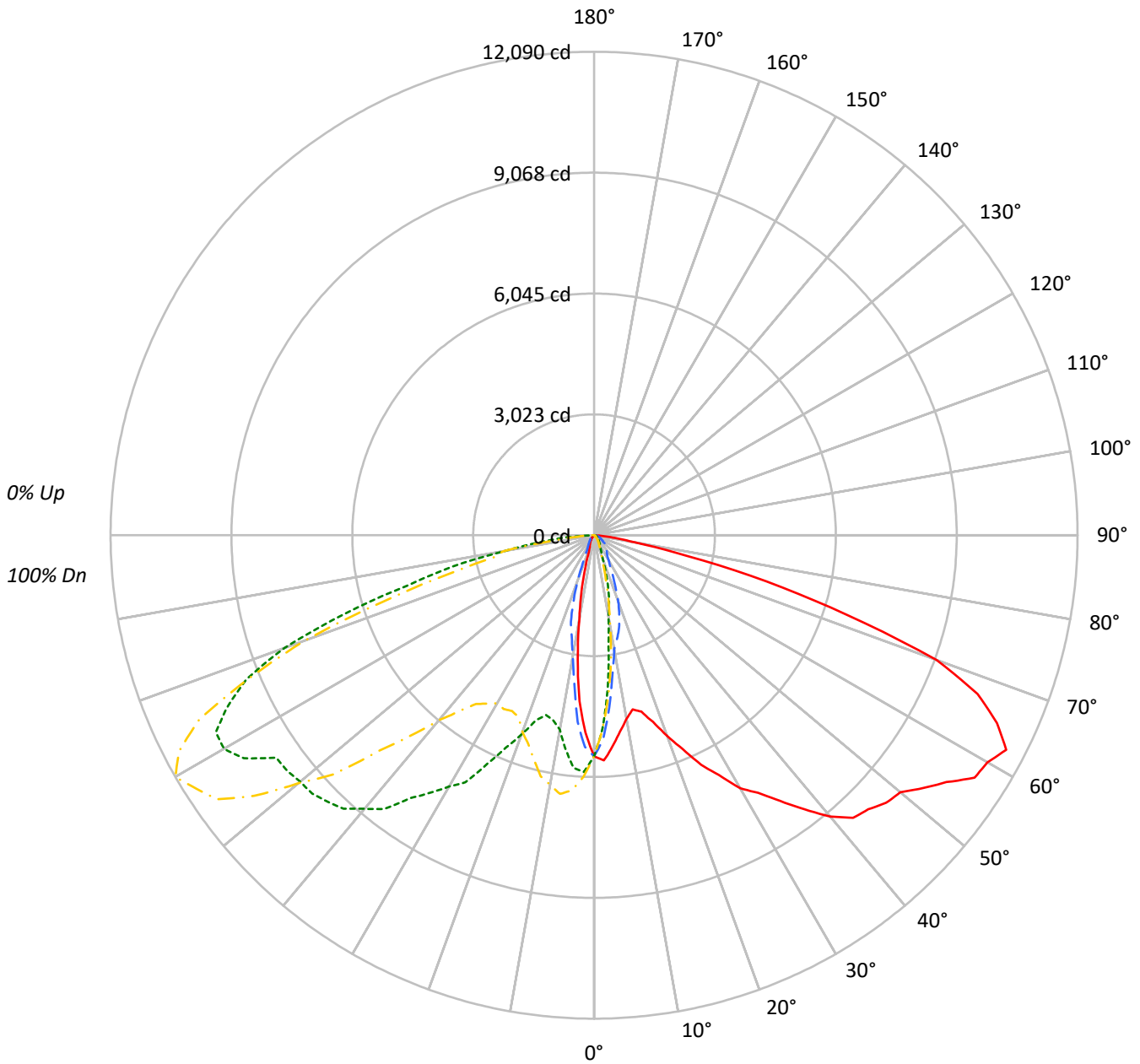
Lumens per Lamp: N/A
 Luminaire Lumens: 14452.0 lumens
 Efficiency: N/A
 Efficacy: 76.2 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 189.6
 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°

TEST NUMBER: P599322
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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 | | | | |
| 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° | 39647 | 39647 | 39647 | 39647 |
| 5° | 38171 | 27898 | 30032 | 42072 |
| 10° | 33984 | 15189 | 15388 | 35971 |
| 15° | 33925 | 10131 | 6194 | 34562 |
| 20° | 40734 | 5058 | 2470 | 40495 |
| 25° | 50101 | 3177 | 1913 | 49853 |
| 30° | 60535 | 2550 | 1453 | 60147 |
| 35° | 71030 | 2048 | 1127 | 70313 |
| 40° | 85991 | 1752 | 730 | 83619 |
| 45° | 98378 | 1582 | 396 | 95650 |
| 50° | 111616 | 1523 | 87 | 107047 |
| 55° | 134637 | 1463 | 0 | 121378 |
| 60° | 163006 | 1230 | 0 | 153331 |
| 65° | 188750 | 992 | 0 | 171550 |
| 70° | 191129 | 818 | 0 | 172980 |
| 75° | 123693 | 541 | 0 | 132659 |
| 80° | 42184 | 161 | 0 | 93873 |
| 85° | 21176 | 0 | 0 | 68972 |

TEST NUMBER: P599322
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 418.5 | 2.9 |
| 10°-20° | 810.4 | 5.6 |
| 20°-30° | 1128.7 | 7.8 |
| 30°-40° | 1603.8 | 11.1 |
| 40°-50° | 2224.0 | 15.4 |
| 50°-60° | 3030.3 | 21.0 |
| 60°-70° | 3331.5 | 23.1 |
| 70°-80° | 1637.4 | 11.3 |
| 80°-90° | 267.4 | 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° | 2357.6 | 16.3 |
| 0°-40° | 3961.4 | 27.4 |
| 0°-60° | 9215.6 | 63.8 |
| 0°-90° | 14452.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 14452.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|------|------|-------|-------|-------|
| 0° | 5525 | 5525 | 5525 | 5525 | 5525 | |
| 5° | 5299 | 3873 | 4169 | 5841 | 5299 | 485 |
| 15° | 4566 | 1364 | 834 | 4652 | 4566 | 1352 |
| 25° | 6328 | 401 | 242 | 6296 | 6328 | 2942 |
| 35° | 8108 | 234 | 129 | 8026 | 8108 | 5147 |
| 45° | 9694 | 156 | 39 | 9425 | 9694 | 7515 |
| 55° | 10762 | 117 | 0 | 9702 | 10762 | 9681 |
| 65° | 11116 | 58 | 0 | 10103 | 11116 | 10743 |
| 75° | 4461 | 20 | 0 | 4785 | 4461 | 4864 |
| 85° | 257 | 0 | 0 | 838 | 257 | 356 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599322
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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 |
| 2.5° | 5638.0 | 5704.2 | 5641.9 | 5423.7 | 5384.7 | 5279.5 | 5119.8 | 5108.1 | 4940.5 | 4960.0 | 4870.4 |
| 5° | 5299.0 | 5365.2 | 5232.8 | 4944.4 | 4675.6 | 4461.3 | 4332.7 | 4102.8 | 4052.2 | 3939.2 | 3939.2 |
| 7.5° | 4952.2 | 4948.3 | 4722.3 | 4480.8 | 4079.4 | 3685.9 | 3506.7 | 3175.5 | 2980.7 | 2875.5 | 2774.2 |
| 10° | 4663.9 | 4601.6 | 4461.3 | 3962.6 | 3526.2 | 3117.1 | 2895.0 | 2676.8 | 2474.2 | 2298.8 | 2123.5 |
| 12.5° | 4461.3 | 4500.2 | 4278.2 | 3736.6 | 3171.6 | 2887.2 | 2649.5 | 2419.6 | 2178.0 | 1979.3 | 1784.5 |
| 15° | 4566.5 | 4504.1 | 4243.1 | 3685.9 | 3113.2 | 2723.5 | 2407.9 | 2127.4 | 1858.5 | 1597.5 | 1449.4 |
| 17.5° | 4893.8 | 4734.0 | 4426.2 | 3685.9 | 2992.4 | 2474.2 | 2092.3 | 1761.1 | 1472.8 | 1239.0 | 1055.9 |
| 20° | 5334.1 | 5150.9 | 4819.7 | 3822.3 | 2902.8 | 2291.0 | 1768.9 | 1352.0 | 1052.0 | 833.8 | 693.5 |
| 22.5° | 5786.0 | 5641.9 | 5143.1 | 3876.8 | 2797.6 | 2045.6 | 1394.9 | 978.0 | 701.3 | 561.1 | 490.9 |
| 25° | 6327.6 | 6125.0 | 5579.5 | 4095.0 | 2641.7 | 1807.9 | 1098.8 | 681.9 | 522.1 | 448.1 | 405.2 |
| 27.5° | 6760.1 | 6725.0 | 5988.6 | 4227.5 | 2524.8 | 1613.1 | 868.9 | 541.6 | 432.5 | 377.9 | 350.7 |
| 30° | 7305.6 | 7114.7 | 6487.4 | 4492.5 | 2392.3 | 1391.0 | 724.7 | 487.0 | 397.4 | 339.0 | 319.5 |
| 32.5° | 7632.9 | 7543.3 | 6748.4 | 4640.5 | 2244.3 | 1207.9 | 623.4 | 428.6 | 362.4 | 319.5 | 300.0 |
| 35° | 8108.2 | 7929.0 | 7122.5 | 4734.0 | 2166.4 | 1102.7 | 561.1 | 389.6 | 303.9 | 261.1 | 237.7 |
| 37.5° | 8638.1 | 8571.9 | 7570.5 | 4730.1 | 2053.4 | 1040.3 | 518.2 | 362.4 | 288.3 | 241.6 | 214.3 |
| 40° | 9179.7 | 8910.9 | 7843.3 | 4839.2 | 1994.9 | 993.6 | 487.0 | 346.8 | 272.7 | 229.9 | 194.8 |
| 42.5° | 9584.9 | 9277.1 | 8158.9 | 4800.3 | 1924.8 | 911.7 | 475.4 | 323.4 | 261.1 | 210.4 | 179.2 |
| 45° | 9694.0 | 9584.9 | 8443.3 | 4788.6 | 1874.1 | 845.5 | 455.9 | 319.5 | 253.3 | 198.7 | 167.5 |
| 47.5° | 9904.4 | 9830.4 | 8794.0 | 4808.1 | 1835.2 | 794.8 | 409.1 | 327.3 | 241.6 | 187.0 | 159.7 |
| 50° | 9998.0 | 9865.5 | 9078.4 | 4854.8 | 1745.6 | 732.5 | 366.3 | 342.9 | 237.7 | 183.1 | 152.0 |
| 52.5° | 10383.7 | 10266.8 | 9468.1 | 4987.3 | 1671.5 | 650.7 | 323.4 | 327.3 | 245.5 | 171.4 | 144.2 |
| 55° | 10761.6 | 10629.2 | 10068.1 | 5291.2 | 1566.3 | 584.4 | 276.6 | 288.3 | 233.8 | 155.9 | 128.6 |
| 57.5° | 11279.8 | 11061.6 | 10469.4 | 5415.9 | 1472.8 | 494.8 | 245.5 | 237.7 | 218.2 | 140.3 | 113.0 |
| 60° | 11357.8 | 11447.4 | 10411.0 | 5338.0 | 1375.4 | 436.4 | 214.3 | 183.1 | 233.8 | 124.7 | 97.4 |
| 62.5° | 11618.8 | 11244.8 | 10138.2 | 5158.7 | 1305.3 | 401.3 | 190.9 | 152.0 | 202.6 | 109.1 | 81.8 |
| 65° | 11116.2 | 10839.6 | 9499.2 | 4582.1 | 1215.7 | 405.2 | 167.5 | 124.7 | 128.6 | 89.6 | 66.2 |
| 67.5° | 10379.8 | 10161.6 | 8439.4 | 3954.8 | 1126.0 | 397.4 | 148.1 | 109.1 | 97.4 | 77.9 | 58.4 |
| 70° | 9109.6 | 8638.1 | 7169.2 | 3210.6 | 993.6 | 370.2 | 124.7 | 97.4 | 81.8 | 62.3 | 42.9 |
| 72.5° | 6627.6 | 6436.7 | 5143.1 | 2482.0 | 892.3 | 335.1 | 116.9 | 81.8 | 70.1 | 46.8 | 35.1 |
| 75° | 4461.3 | 4145.7 | 3245.6 | 1628.7 | 716.9 | 292.2 | 97.4 | 74.0 | 54.5 | 35.1 | 27.3 |
| 77.5° | 2357.3 | 2228.7 | 1839.1 | 775.4 | 397.4 | 136.4 | 54.5 | 42.9 | 31.2 | 27.3 | 15.6 |
| 80° | 1020.8 | 907.8 | 794.8 | 315.6 | 140.3 | 62.3 | 35.1 | 23.4 | 19.5 | 15.6 | 7.8 |
| 82.5° | 522.1 | 498.7 | 413.0 | 136.4 | 81.8 | 46.8 | 19.5 | 15.6 | 11.7 | 7.8 | 3.9 |
| 85° | 257.2 | 264.9 | 218.2 | 42.9 | 46.8 | 27.3 | 3.9 | 3.9 | 0.0 | 0.0 | 0.0 |
| 87.5° | 19.5 | 19.5 | 15.6 | 7.8 | 11.7 | 3.9 | 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 |

TEST NUMBER: P599322
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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 |
| 2.5° | 4835.3 | 4889.9 | 4796.4 | 4854.8 | 4827.5 | 4839.2 | 4850.9 | 4819.7 | 4827.5 | 4936.6 | 4940.5 |
| 5° | 3872.9 | 3978.1 | 3939.2 | 3993.7 | 4087.2 | 4040.5 | 4083.3 | 4075.5 | 4083.3 | 4098.9 | 4169.1 |
| 7.5° | 2762.5 | 2731.3 | 2805.3 | 2949.5 | 3117.1 | 3218.4 | 3167.7 | 3140.4 | 3124.8 | 3085.9 | 3132.6 |
| 10° | 2084.5 | 2068.9 | 2049.5 | 2092.3 | 2201.4 | 2314.4 | 2376.8 | 2271.6 | 2213.1 | 2139.1 | 2111.8 |
| 12.5° | 1730.0 | 1632.6 | 1578.0 | 1511.8 | 1542.9 | 1644.2 | 1648.1 | 1546.8 | 1453.3 | 1414.4 | 1457.2 |
| 15° | 1363.7 | 1297.5 | 1200.1 | 1106.6 | 1059.8 | 1137.7 | 1071.5 | 974.1 | 853.3 | 837.7 | 833.8 |
| 17.5° | 974.1 | 935.1 | 865.0 | 826.0 | 771.5 | 752.0 | 681.9 | 533.8 | 448.1 | 424.7 | 432.5 |
| 20° | 662.4 | 631.2 | 627.3 | 592.2 | 568.9 | 553.3 | 440.3 | 342.9 | 315.6 | 319.5 | 323.4 |
| 22.5° | 490.9 | 475.4 | 455.9 | 452.0 | 432.5 | 413.0 | 323.4 | 288.3 | 268.8 | 268.8 | 280.5 |
| 25° | 401.3 | 393.5 | 374.0 | 366.3 | 358.5 | 331.2 | 272.7 | 245.5 | 237.7 | 229.9 | 241.6 |
| 27.5° | 342.9 | 339.0 | 327.3 | 315.6 | 307.8 | 280.5 | 237.7 | 214.3 | 206.5 | 206.5 | 206.5 |
| 30° | 307.8 | 307.8 | 292.2 | 268.8 | 268.8 | 237.7 | 202.6 | 187.0 | 179.2 | 179.2 | 175.3 |
| 32.5° | 288.3 | 280.5 | 261.1 | 245.5 | 233.8 | 202.6 | 179.2 | 163.6 | 152.0 | 152.0 | 155.9 |
| 35° | 233.8 | 233.8 | 229.9 | 218.2 | 202.6 | 171.4 | 152.0 | 136.4 | 128.6 | 124.7 | 128.6 |
| 37.5° | 206.5 | 194.8 | 179.2 | 183.1 | 175.3 | 148.1 | 128.6 | 116.9 | 105.2 | 105.2 | 105.2 |
| 40° | 187.0 | 175.3 | 159.7 | 148.1 | 144.2 | 132.5 | 113.0 | 93.5 | 81.8 | 77.9 | 77.9 |
| 42.5° | 167.5 | 159.7 | 136.4 | 116.9 | 113.0 | 113.0 | 85.7 | 70.1 | 58.4 | 58.4 | 58.4 |
| 45° | 155.9 | 144.2 | 124.7 | 101.3 | 81.8 | 85.7 | 70.1 | 50.7 | 42.9 | 39.0 | 39.0 |
| 47.5° | 148.1 | 136.4 | 109.1 | 85.7 | 62.3 | 62.3 | 50.7 | 35.1 | 27.3 | 23.4 | 23.4 |
| 50° | 136.4 | 124.7 | 97.4 | 70.1 | 46.8 | 39.0 | 31.2 | 19.5 | 11.7 | 7.8 | 7.8 |
| 52.5° | 128.6 | 116.9 | 85.7 | 58.4 | 39.0 | 27.3 | 19.5 | 3.9 | 0.0 | 0.0 | 0.0 |
| 55° | 116.9 | 101.3 | 74.0 | 46.8 | 31.2 | 15.6 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 101.3 | 89.6 | 58.4 | 35.1 | 19.5 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 85.7 | 74.0 | 46.8 | 27.3 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 70.1 | 62.3 | 35.1 | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 58.4 | 46.8 | 27.3 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 50.7 | 39.0 | 19.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 39.0 | 27.3 | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 27.3 | 19.5 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 19.5 | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 11.7 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 3.9 | 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: P599322
 CATALOG NUMBER: IFLD-S-SA6A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 |
| 2.5° | 4956.1 | 5073.0 | 5182.1 | 5213.3 | 5299.0 | 5536.7 | 5536.7 | 5649.7 | 5852.3 | 5926.3 | 5941.9 |
| 5° | 4180.7 | 4305.4 | 4328.8 | 4570.4 | 4683.4 | 4924.9 | 5084.7 | 5466.5 | 5696.4 | 5840.6 | 5930.2 |
| 7.5° | 3179.4 | 3222.3 | 3311.9 | 3537.9 | 3759.9 | 4052.2 | 4356.1 | 4843.1 | 5248.3 | 5412.0 | 5715.9 |
| 10° | 2185.8 | 2314.4 | 2509.2 | 2711.8 | 3058.6 | 3382.0 | 3775.5 | 4235.3 | 4734.0 | 4936.6 | 5197.7 |
| 12.5° | 1472.8 | 1652.0 | 1963.7 | 2252.1 | 2571.6 | 2898.9 | 3272.9 | 3888.5 | 4453.5 | 4734.0 | 4995.1 |
| 15° | 861.1 | 1079.3 | 1348.1 | 1815.7 | 2240.4 | 2606.6 | 2980.7 | 3604.1 | 4289.8 | 4652.2 | 4971.7 |
| 17.5° | 436.4 | 502.6 | 724.7 | 1129.9 | 1691.0 | 2291.0 | 2848.2 | 3643.1 | 4414.5 | 4858.7 | 5123.7 |
| 20° | 327.3 | 346.8 | 409.1 | 600.0 | 1157.2 | 1893.6 | 2723.5 | 3701.5 | 4761.3 | 5302.9 | 5447.1 |
| 22.5° | 284.4 | 300.0 | 327.3 | 389.6 | 650.7 | 1449.4 | 2548.2 | 3845.7 | 5232.8 | 5743.2 | 6047.1 |
| 25° | 241.6 | 257.2 | 280.5 | 319.5 | 416.9 | 985.8 | 2333.9 | 3997.6 | 5653.6 | 6296.4 | 6580.9 |
| 27.5° | 210.4 | 222.1 | 245.5 | 276.6 | 339.0 | 627.3 | 1963.7 | 4200.2 | 6296.4 | 6966.6 | 7040.6 |
| 30° | 179.2 | 190.9 | 210.4 | 245.5 | 288.3 | 444.2 | 1441.6 | 4227.5 | 6651.0 | 7258.8 | 7465.3 |
| 32.5° | 155.9 | 159.7 | 183.1 | 214.3 | 241.6 | 350.7 | 1013.0 | 4254.8 | 6912.1 | 7636.8 | 7679.6 |
| 35° | 128.6 | 136.4 | 159.7 | 179.2 | 210.4 | 276.6 | 767.6 | 4118.4 | 7251.0 | 8026.4 | 8014.7 |
| 37.5° | 105.2 | 116.9 | 132.5 | 148.1 | 171.4 | 233.8 | 611.7 | 3865.1 | 7675.7 | 8630.3 | 8264.1 |
| 40° | 81.8 | 93.5 | 109.1 | 128.6 | 144.2 | 210.4 | 459.8 | 3483.3 | 8119.9 | 8926.5 | 8536.8 |
| 42.5° | 58.4 | 66.2 | 81.8 | 101.3 | 128.6 | 175.3 | 331.2 | 3031.3 | 8295.3 | 9273.2 | 8864.1 |
| 45° | 42.9 | 50.7 | 62.3 | 85.7 | 132.5 | 140.3 | 229.9 | 2618.3 | 8482.3 | 9425.2 | 8790.1 |
| 47.5° | 23.4 | 31.2 | 46.8 | 74.0 | 116.9 | 105.2 | 163.6 | 2248.2 | 8696.6 | 9561.6 | 8848.5 |
| 50° | 7.8 | 11.7 | 27.3 | 77.9 | 93.5 | 81.8 | 128.6 | 2049.5 | 8907.0 | 9588.8 | 8965.4 |
| 52.5° | 0.0 | 0.0 | 15.6 | 81.8 | 70.1 | 62.3 | 113.0 | 1971.5 | 8852.4 | 9674.6 | 8891.4 |
| 55° | 0.0 | 0.0 | 3.9 | 35.1 | 39.0 | 46.8 | 93.5 | 1967.6 | 9238.2 | 9701.8 | 9296.6 |
| 57.5° | 0.0 | 0.0 | 0.0 | 11.7 | 23.4 | 39.0 | 81.8 | 1843.0 | 9483.6 | 10379.8 | 9842.1 |
| 60° | 0.0 | 0.0 | 0.0 | 3.9 | 15.6 | 27.3 | 62.3 | 1733.9 | 9733.0 | 10683.7 | 10426.5 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 11.7 | 42.9 | 1566.3 | 9230.4 | 10660.3 | 10991.5 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.3 | 1239.0 | 8303.1 | 10103.2 | 10679.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.6 | 857.2 | 7270.5 | 9401.8 | 10107.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 518.2 | 5867.9 | 8244.6 | 8571.9 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 222.1 | 4188.5 | 6545.8 | 7032.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.6 | 2591.1 | 4784.7 | 5384.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.1 | 1679.3 | 3623.6 | 4087.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 896.2 | 2271.6 | 2641.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 389.6 | 1379.3 | 1589.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 124.7 | 837.7 | 954.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 128.6 | 171.4 |
| 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: P599322
 CATALOG NUMBER: IFLD-S-SA6A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 | 5525.0 |
| 2.5° | 5949.7 | 6062.7 | 6105.5 | 6039.3 | 6047.1 | 5910.7 | 5891.2 | 5700.3 | 5622.4 | 5638.0 |
| 5° | 6222.4 | 6386.1 | 6475.7 | 6401.6 | 6234.1 | 5973.1 | 5735.4 | 5509.4 | 5369.1 | 5299.0 |
| 7.5° | 6160.1 | 6343.2 | 6456.2 | 6526.3 | 6335.4 | 5914.6 | 5552.3 | 5127.6 | 4948.3 | 4952.2 |
| 10° | 5817.2 | 6199.0 | 6428.9 | 6339.3 | 6249.7 | 5828.9 | 5267.8 | 4808.1 | 4648.3 | 4663.9 |
| 12.5° | 5540.6 | 5965.3 | 6101.6 | 6171.8 | 5988.6 | 5653.6 | 5275.6 | 4749.6 | 4570.4 | 4461.3 |
| 15° | 5369.1 | 5684.7 | 5692.5 | 5801.6 | 5727.6 | 5727.6 | 5357.4 | 4843.1 | 4687.3 | 4566.5 |
| 17.5° | 5369.1 | 5439.3 | 5431.5 | 5470.4 | 5595.1 | 5743.2 | 5563.9 | 5221.1 | 4913.3 | 4893.8 |
| 20° | 5489.9 | 5271.7 | 5221.1 | 5236.7 | 5341.9 | 5782.1 | 6019.8 | 5591.2 | 5396.4 | 5334.1 |
| 22.5° | 5770.4 | 5291.2 | 4983.4 | 4928.8 | 5252.2 | 5778.2 | 6312.0 | 6175.7 | 5836.7 | 5786.0 |
| 25° | 6156.2 | 5256.1 | 4921.0 | 4850.9 | 5096.4 | 5918.5 | 6713.4 | 6740.6 | 6432.8 | 6327.6 |
| 27.5° | 6522.4 | 5412.0 | 4913.3 | 4897.7 | 5221.1 | 5887.3 | 6990.0 | 7192.6 | 6845.8 | 6760.1 |
| 30° | 6647.1 | 5567.8 | 5057.4 | 4850.9 | 5267.8 | 6000.3 | 6982.2 | 7512.1 | 7286.1 | 7305.6 |
| 32.5° | 6795.2 | 5723.7 | 5073.0 | 4991.2 | 5466.5 | 6183.5 | 7204.3 | 8026.4 | 7862.8 | 7632.9 |
| 35° | 7013.4 | 5934.1 | 5221.1 | 5147.0 | 5606.8 | 6347.1 | 7251.0 | 8404.4 | 8377.1 | 8108.2 |
| 37.5° | 7200.4 | 6140.6 | 5528.9 | 5540.6 | 6035.4 | 6612.1 | 7457.6 | 8868.0 | 8821.3 | 8638.1 |
| 40° | 7332.9 | 6428.9 | 6008.1 | 6039.3 | 6409.4 | 6908.2 | 7823.8 | 9101.8 | 9448.6 | 9179.7 |
| 42.5° | 7352.4 | 6686.1 | 6557.5 | 6806.9 | 7153.6 | 7367.9 | 7971.9 | 9261.5 | 9760.3 | 9584.9 |
| 45° | 7426.4 | 7095.2 | 7453.7 | 7636.8 | 7921.2 | 7773.2 | 7964.1 | 9534.3 | 9783.7 | 9694.0 |
| 47.5° | 7714.7 | 7839.4 | 8291.4 | 8848.5 | 8949.8 | 8462.8 | 8151.1 | 9577.1 | 9916.1 | 9904.4 |
| 50° | 8014.7 | 8638.1 | 9273.2 | 9643.4 | 9772.0 | 8938.2 | 8326.4 | 9542.1 | 10091.5 | 9998.0 |
| 52.5° | 8349.8 | 9331.7 | 10247.3 | 10703.2 | 10633.1 | 9464.2 | 8525.1 | 9826.5 | 10414.9 | 10383.7 |
| 55° | 8560.2 | 9643.4 | 10874.6 | 11509.7 | 11455.2 | 10052.5 | 9156.3 | 10235.6 | 10839.6 | 10761.6 |
| 57.5° | 9117.4 | 10149.9 | 11498.0 | 11794.2 | 11938.3 | 10824.0 | 9596.6 | 10905.8 | 11194.1 | 11279.8 |
| 60° | 9577.1 | 10481.1 | 11661.7 | 12090.3 | 12140.9 | 11283.7 | 10368.1 | 11595.4 | 11646.1 | 11357.8 |
| 62.5° | 10251.2 | 10609.7 | 11314.9 | 11700.6 | 11961.7 | 11544.8 | 11061.6 | 11965.6 | 11638.3 | 11618.8 |
| 65° | 10746.0 | 10188.9 | 10668.1 | 10882.4 | 11050.0 | 11147.4 | 11759.1 | 12218.9 | 11494.1 | 11116.2 |
| 67.5° | 10469.4 | 9394.0 | 9304.4 | 9316.1 | 9366.7 | 9955.1 | 11525.3 | 11599.3 | 10691.5 | 10379.8 |
| 70° | 9214.8 | 7706.9 | 7586.1 | 7679.6 | 7426.4 | 8135.5 | 10578.5 | 10543.4 | 9433.0 | 9109.6 |
| 72.5° | 7453.7 | 5618.5 | 5412.0 | 5540.6 | 5599.0 | 6351.0 | 8899.2 | 7995.2 | 6880.9 | 6627.6 |
| 75° | 5922.4 | 4118.4 | 3475.5 | 3787.2 | 3985.9 | 4624.9 | 6951.0 | 5431.5 | 4804.2 | 4461.3 |
| 77.5° | 4652.2 | 3117.1 | 2704.0 | 2579.4 | 2762.5 | 3362.5 | 5057.4 | 2852.1 | 2517.0 | 2357.3 |
| 80° | 2949.5 | 2291.0 | 2485.9 | 2306.6 | 2384.5 | 2400.1 | 2633.9 | 1297.5 | 1032.5 | 1020.8 |
| 82.5° | 1776.7 | 1566.3 | 1862.4 | 1024.7 | 1866.3 | 1667.6 | 1094.9 | 588.3 | 522.1 | 522.1 |
| 85° | 1258.5 | 970.2 | 642.9 | 416.9 | 829.9 | 915.6 | 424.7 | 303.9 | 264.9 | 257.2 |
| 87.5° | 631.2 | 300.0 | 144.2 | 93.5 | 105.2 | 171.4 | 50.7 | 23.4 | 23.4 | 19.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)