

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: P599102

Luminaire Tested: **IFLD-L-SA7C-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599102
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

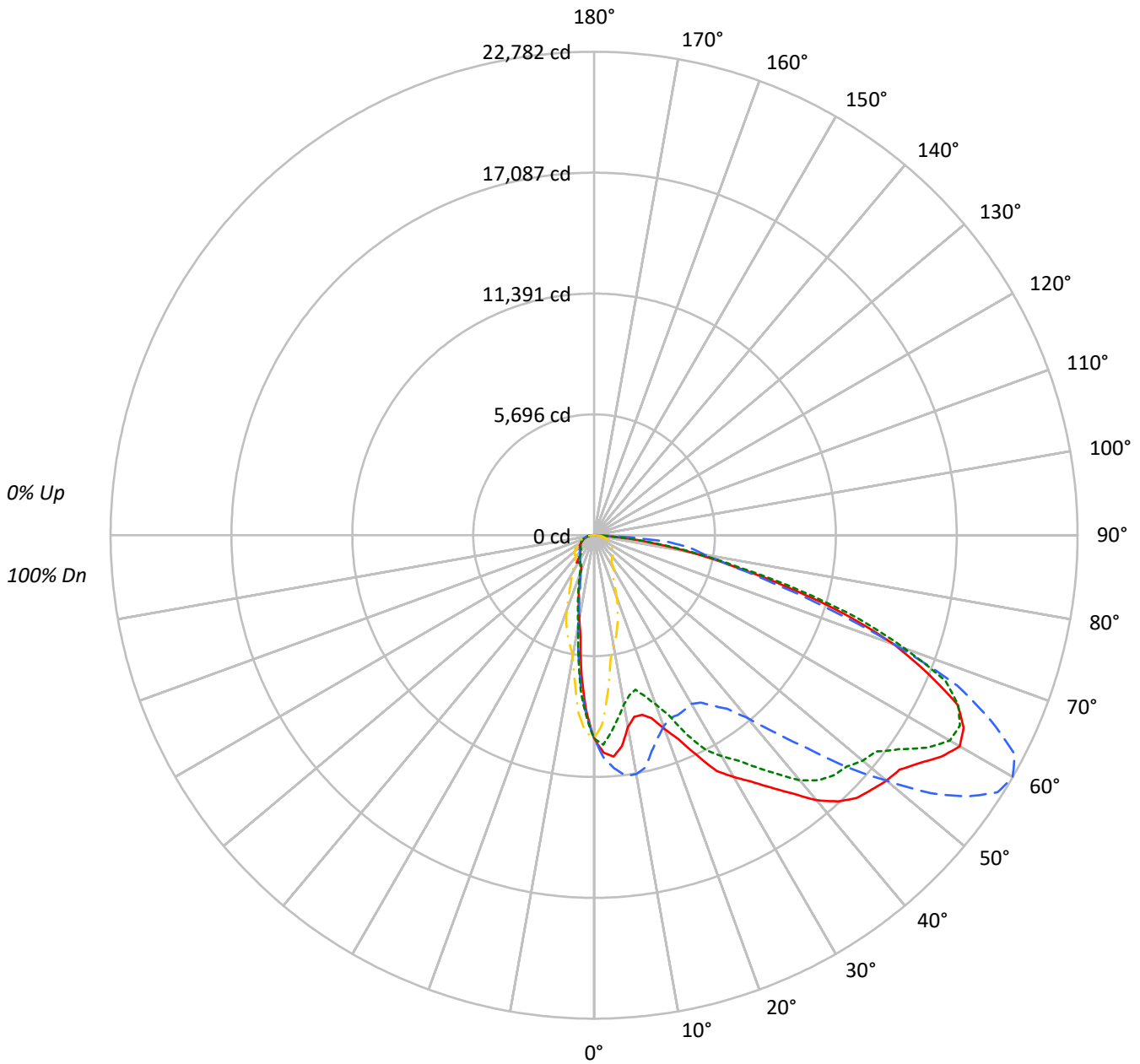
Lumens per Lamp: N/A
 Luminaire Lumens: 29962.8 lumens
 Efficiency: N/A
 Efficacy: 81.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 369
 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: P599102
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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 | 106 | 100 | 94 | 89 | 103 | 97 | 92 | 88 | 93 | 89 | 85 | 89 | 85 | 82 | 85 | 82 | 80 | 77 |
| 2 | 94 | 83 | 75 | 68 | 91 | 81 | 74 | 67 | 78 | 71 | 65 | 74 | 69 | 64 | 71 | 66 | 62 | 60 |
| 3 | 84 | 71 | 61 | 53 | 81 | 69 | 60 | 53 | 66 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 47 |
| 4 | 75 | 61 | 51 | 43 | 73 | 60 | 50 | 42 | 57 | 48 | 42 | 54 | 47 | 41 | 52 | 46 | 40 | 38 |
| 5 | 68 | 53 | 43 | 35 | 66 | 52 | 42 | 35 | 50 | 41 | 34 | 48 | 40 | 34 | 46 | 39 | 34 | 31 |
| 6 | 63 | 47 | 37 | 30 | 60 | 46 | 37 | 29 | 44 | 36 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 26 |
| 7 | 58 | 42 | 32 | 25 | 56 | 41 | 32 | 25 | 40 | 31 | 25 | 38 | 31 | 25 | 37 | 30 | 25 | 22 |
| 8 | 53 | 38 | 29 | 22 | 52 | 37 | 28 | 22 | 36 | 28 | 22 | 35 | 27 | 22 | 33 | 27 | 22 | 19 |
| 9 | 50 | 35 | 26 | 20 | 48 | 34 | 26 | 20 | 33 | 25 | 19 | 32 | 25 | 19 | 31 | 24 | 19 | 17 |
| 10 | 46 | 32 | 23 | 18 | 45 | 31 | 23 | 18 | 30 | 23 | 17 | 29 | 22 | 17 | 28 | 22 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 51505 | 51505 | 51505 | 51505 |
| 5° | 56585 | 50266 | 36048 | 39351 |
| 10° | 50120 | 44237 | 21864 | 23462 |
| 15° | 48805 | 41991 | 15478 | 16071 |
| 20° | 55648 | 48568 | 10125 | 11191 |
| 25° | 67801 | 61565 | 8840 | 9156 |
| 30° | 81693 | 74672 | 9169 | 8508 |
| 35° | 95275 | 87677 | 7598 | 7161 |
| 40° | 114486 | 105895 | 7097 | 6724 |
| 45° | 133235 | 121702 | 7183 | 6677 |
| 50° | 150573 | 138331 | 7345 | 6900 |
| 55° | 175601 | 164876 | 7608 | 7233 |
| 60° | 214175 | 208309 | 7583 | 7583 |
| 65° | 240695 | 241034 | 7786 | 8125 |
| 70° | 236553 | 244918 | 8157 | 8367 |
| 75° | 195132 | 208122 | 8567 | 9120 |
| 80° | 140887 | 147891 | 9475 | 9887 |
| 85° | 77973 | 83716 | 10671 | 13134 |

TEST NUMBER: P599102
 CATALOG NUMBER: IFLD-L-SA7C-830-U-SLL

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 743.5 | 2.5 |
| 10°-20° | 1569.7 | 5.2 |
| 20°-30° | 2296.6 | 7.7 |
| 30°-40° | 3235.8 | 10.8 |
| 40°-50° | 4447.0 | 14.8 |
| 50°-60° | 6060.7 | 20.2 |
| 60°-70° | 6633.2 | 22.1 |
| 70°-80° | 3829.6 | 12.8 |
| 80°-90° | 1146.8 | 3.8 |
| 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° | 4609.8 | 15.4 |
| 0°-40° | 7845.6 | 26.2 |
| 0°-60° | 18353.2 | 61.3 |
| 0°-90° | 29962.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 29962.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|------|------|-------|-------|
| 0° | 9570 | 9570 | 9570 | 9570 | 9570 | |
| 5° | 10474 | 9304 | 6672 | 7284 | 10474 | 951 |
| 15° | 8759 | 7536 | 2778 | 2884 | 8759 | 2559 |
| 25° | 11418 | 10367 | 1489 | 1542 | 11418 | 5346 |
| 35° | 14501 | 13345 | 1156 | 1090 | 14501 | 9195 |
| 45° | 17505 | 15990 | 944 | 877 | 17505 | 13454 |
| 55° | 18714 | 17572 | 811 | 771 | 18714 | 16886 |
| 65° | 18901 | 18927 | 611 | 638 | 18901 | 18090 |
| 75° | 9384 | 10009 | 412 | 439 | 9384 | 10080 |
| 85° | 1263 | 1356 | 173 | 213 | 1263 | 1752 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599102
 CATALOG NUMBER: IFLD-L-SA7C-830-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 |
| 2.5° | 10247.8 | 10207.9 | 10247.8 | 10394.0 | 10433.9 | 10500.4 | 10500.4 | 10407.3 | 10234.5 | 10154.8 | 10021.9 |
| 5° | 10473.8 | 10407.3 | 10739.6 | 11045.3 | 11284.6 | 11258.0 | 11032.0 | 10845.9 | 10500.4 | 9982.0 | 9490.2 |
| 7.5° | 10021.9 | 10088.3 | 10327.6 | 11125.1 | 11683.3 | 11789.6 | 11430.8 | 11058.6 | 10314.3 | 9596.5 | 8931.9 |
| 10° | 9171.2 | 9264.2 | 9782.6 | 10606.7 | 11483.9 | 11656.7 | 11430.8 | 10978.8 | 10088.3 | 9197.8 | 8426.9 |
| 12.5° | 8759.2 | 8971.8 | 9277.5 | 10274.4 | 10899.1 | 11311.1 | 11204.8 | 10912.4 | 9915.5 | 8865.5 | 8121.2 |
| 15° | 8759.2 | 8812.3 | 9264.2 | 10101.6 | 10460.5 | 10473.8 | 10513.6 | 10566.8 | 9968.7 | 9011.7 | 8014.8 |
| 17.5° | 9038.3 | 9184.5 | 9569.9 | 10088.3 | 10154.8 | 9995.3 | 9995.3 | 10221.2 | 10075.0 | 9423.7 | 8400.3 |
| 20° | 9716.1 | 9663.0 | 10168.1 | 10380.7 | 10021.9 | 9623.1 | 9583.2 | 9968.7 | 10194.6 | 9862.4 | 9104.7 |
| 22.5° | 10394.0 | 10633.3 | 11045.3 | 10566.8 | 9902.2 | 9370.6 | 9317.4 | 9795.9 | 10553.5 | 10620.0 | 9915.5 |
| 25° | 11417.5 | 11656.7 | 11869.4 | 11284.6 | 9888.9 | 9304.1 | 9344.0 | 9716.1 | 10992.1 | 11696.6 | 11271.3 |
| 27.5° | 12520.7 | 12666.9 | 12972.6 | 12068.8 | 10207.9 | 9224.4 | 9264.2 | 9822.5 | 11404.2 | 12401.0 | 12334.6 |
| 30° | 13145.4 | 13304.9 | 13238.4 | 12215.0 | 10420.6 | 9277.5 | 9171.2 | 9968.7 | 11178.2 | 12401.0 | 13025.8 |
| 32.5° | 13756.8 | 13663.7 | 13623.9 | 12454.2 | 10686.4 | 9609.8 | 9344.0 | 10274.4 | 11311.1 | 12600.4 | 13916.3 |
| 35° | 14501.1 | 14368.2 | 14261.9 | 12919.4 | 11125.1 | 9928.8 | 9809.2 | 10673.1 | 11603.6 | 13012.5 | 14634.0 |
| 37.5° | 15325.2 | 15325.2 | 14806.8 | 13265.0 | 11643.4 | 10447.2 | 10314.3 | 11244.7 | 12068.8 | 13265.0 | 15617.6 |
| 40° | 16295.5 | 16335.4 | 15418.2 | 13730.2 | 12228.3 | 11271.3 | 11231.4 | 11989.0 | 12520.7 | 13637.2 | 16561.3 |
| 42.5° | 17013.2 | 17039.8 | 15949.9 | 13903.0 | 12906.1 | 12414.3 | 12587.1 | 13185.3 | 13039.0 | 13969.5 | 16627.8 |
| 45° | 17505.0 | 17372.1 | 16322.1 | 14394.8 | 13650.5 | 14129.0 | 14182.1 | 14354.9 | 13716.9 | 14168.8 | 16893.6 |
| 47.5° | 17744.3 | 17717.7 | 16481.6 | 14966.3 | 15218.9 | 15870.1 | 16175.9 | 15936.6 | 14341.6 | 13956.2 | 16893.6 |
| 50° | 17983.5 | 17757.6 | 16627.8 | 15750.5 | 16747.4 | 18063.3 | 17996.8 | 17558.2 | 15205.6 | 14222.0 | 16641.1 |
| 52.5° | 18143.0 | 17943.6 | 16920.2 | 16455.0 | 18209.5 | 19698.1 | 19964.0 | 19153.2 | 16215.7 | 14713.8 | 16760.7 |
| 55° | 18714.5 | 18555.0 | 17797.4 | 17412.0 | 19897.5 | 21426.0 | 21465.9 | 20336.1 | 17279.1 | 15524.6 | 17544.9 |
| 57.5° | 19405.7 | 19498.8 | 19007.0 | 18767.7 | 21186.8 | 22688.7 | 22542.5 | 21213.4 | 18182.9 | 16508.1 | 18448.7 |
| 60° | 19897.5 | 20043.7 | 19924.1 | 19950.7 | 21824.8 | 23114.1 | 22781.8 | 21758.3 | 18847.5 | 17252.5 | 19551.9 |
| 62.5° | 19631.7 | 19924.1 | 20415.9 | 20309.5 | 21851.4 | 22808.4 | 22343.2 | 21040.6 | 18927.2 | 18222.8 | 20389.3 |
| 65° | 18900.6 | 18927.2 | 19884.2 | 20469.0 | 20655.1 | 21226.7 | 20615.2 | 19538.6 | 18103.1 | 18820.9 | 20269.7 |
| 67.5° | 17026.5 | 17239.2 | 18103.1 | 19246.2 | 18462.0 | 18594.9 | 18541.8 | 16986.6 | 16853.7 | 18408.8 | 19352.5 |
| 70° | 15032.8 | 15179.0 | 16122.7 | 17465.1 | 15591.0 | 14966.3 | 15085.9 | 13929.6 | 14474.5 | 17132.9 | 17505.0 |
| 72.5° | 12427.6 | 12520.7 | 13597.3 | 14780.2 | 12507.4 | 11390.9 | 11670.0 | 10726.3 | 11497.2 | 14992.9 | 14766.9 |
| 75° | 9383.9 | 9556.6 | 10394.0 | 11789.6 | 9211.1 | 8493.3 | 8772.4 | 8387.0 | 9104.7 | 12347.9 | 11457.3 |
| 77.5° | 6672.4 | 6539.5 | 7576.2 | 9224.4 | 6924.9 | 6499.6 | 6526.2 | 6592.6 | 7363.5 | 10407.3 | 8227.5 |
| 80° | 4545.7 | 4585.6 | 5516.0 | 6765.4 | 5436.3 | 5369.8 | 5303.3 | 5835.0 | 6180.6 | 8240.8 | 5981.2 |
| 82.5° | 2698.2 | 2698.2 | 3721.6 | 4811.6 | 4293.2 | 4838.1 | 4532.4 | 5010.9 | 4838.1 | 6061.0 | 3921.0 |
| 85° | 1262.7 | 1262.7 | 1914.0 | 3469.1 | 3322.9 | 3987.5 | 3389.4 | 3788.1 | 3575.4 | 4226.7 | 1767.8 |
| 87.5° | 212.7 | 186.1 | 385.5 | 1701.3 | 1369.0 | 1555.1 | 611.4 | 2020.3 | 2246.3 | 2950.7 | 438.6 |
| 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: P599102
 CATALOG NUMBER: IFLD-L-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 |
| 2.5° | 9875.6 | 9782.6 | 9596.5 | 9357.3 | 9157.9 | 8905.4 | 8825.6 | 8652.8 | 8413.6 | 8387.0 | 8280.7 |
| 5° | 9304.1 | 8985.1 | 8586.4 | 8094.6 | 7762.3 | 7416.7 | 7124.3 | 6951.5 | 6752.1 | 6725.5 | 6672.4 |
| 7.5° | 8679.4 | 8280.7 | 7616.1 | 7031.2 | 6459.7 | 5914.8 | 5648.9 | 5316.6 | 5090.7 | 4917.9 | 4838.1 |
| 10° | 8094.6 | 7722.4 | 6898.3 | 6100.8 | 5595.8 | 5236.9 | 4917.9 | 4572.3 | 4293.2 | 4080.5 | 4000.8 |
| 12.5° | 7709.1 | 7270.5 | 6380.0 | 5622.3 | 5250.2 | 4838.1 | 4479.3 | 4107.1 | 3748.2 | 3469.1 | 3322.9 |
| 15° | 7536.3 | 7124.3 | 6220.5 | 5383.1 | 4838.1 | 4266.6 | 3854.6 | 3482.4 | 3043.8 | 2844.4 | 2777.9 |
| 17.5° | 7948.4 | 7337.0 | 6167.3 | 5104.0 | 4333.1 | 3681.8 | 3176.7 | 2777.9 | 2458.9 | 2259.6 | 2179.8 |
| 20° | 8480.0 | 7722.4 | 6260.3 | 4771.7 | 3854.6 | 3123.5 | 2565.3 | 2139.9 | 1927.3 | 1781.1 | 1767.8 |
| 22.5° | 9157.9 | 8293.9 | 6406.5 | 4532.4 | 3322.9 | 2512.1 | 2007.0 | 1754.5 | 1608.3 | 1595.0 | 1568.4 |
| 25° | 10367.4 | 9330.7 | 6645.8 | 4213.4 | 2897.6 | 2073.5 | 1714.6 | 1568.4 | 1501.9 | 1462.1 | 1488.7 |
| 27.5° | 11404.2 | 10008.6 | 6818.6 | 4014.1 | 2724.8 | 1953.9 | 1661.4 | 1501.9 | 1435.5 | 1422.2 | 1435.5 |
| 30° | 12015.6 | 10633.3 | 6765.4 | 3641.9 | 2379.2 | 1860.8 | 1767.8 | 1714.6 | 1581.7 | 1475.4 | 1475.4 |
| 32.5° | 12573.8 | 11032.0 | 6752.1 | 3309.6 | 2033.6 | 1555.1 | 1475.4 | 1435.5 | 1515.2 | 1568.4 | 1528.5 |
| 35° | 13344.7 | 11656.7 | 6712.2 | 3123.5 | 1887.4 | 1435.5 | 1302.6 | 1196.2 | 1143.1 | 1116.5 | 1156.4 |
| 37.5° | 14168.8 | 12082.0 | 6605.9 | 3096.9 | 1807.7 | 1369.0 | 1262.7 | 1156.4 | 1103.2 | 1076.6 | 1063.3 |
| 40° | 15072.7 | 12534.0 | 6486.3 | 2964.0 | 1767.8 | 1329.2 | 1222.8 | 1129.8 | 1063.3 | 1023.5 | 1010.2 |
| 42.5° | 15657.5 | 12892.8 | 6366.7 | 2897.6 | 1688.0 | 1302.6 | 1183.0 | 1103.2 | 1036.7 | 983.6 | 983.6 |
| 45° | 15989.8 | 13318.2 | 6247.0 | 2831.1 | 1595.0 | 1315.9 | 1183.0 | 1076.6 | 996.9 | 970.3 | 943.7 |
| 47.5° | 16136.0 | 13637.2 | 6207.2 | 2724.8 | 1515.2 | 1262.7 | 1156.4 | 1050.0 | 970.3 | 917.1 | 903.8 |
| 50° | 16521.4 | 14315.0 | 6353.4 | 2645.0 | 1422.2 | 1209.5 | 1222.8 | 1036.7 | 957.0 | 890.5 | 877.2 |
| 52.5° | 16747.4 | 14860.0 | 6672.4 | 2525.4 | 1355.7 | 1143.1 | 1196.2 | 1010.2 | 917.1 | 850.7 | 850.7 |
| 55° | 17571.5 | 15763.8 | 7018.0 | 2432.4 | 1276.0 | 1050.0 | 1103.2 | 957.0 | 850.7 | 810.8 | 810.8 |
| 57.5° | 18621.5 | 16720.8 | 7310.4 | 2392.5 | 1222.8 | 983.6 | 983.6 | 930.4 | 810.8 | 757.6 | 744.3 |
| 60° | 19352.5 | 17505.0 | 7483.2 | 2365.9 | 1169.7 | 917.1 | 877.2 | 930.4 | 770.9 | 717.7 | 704.5 |
| 62.5° | 19432.3 | 17053.1 | 7310.4 | 2352.6 | 1156.4 | 850.7 | 797.5 | 890.5 | 731.0 | 677.9 | 651.3 |
| 65° | 18927.2 | 16136.0 | 6831.9 | 2299.4 | 1143.1 | 784.2 | 744.3 | 770.9 | 677.9 | 638.0 | 611.4 |
| 67.5° | 17917.1 | 14647.3 | 6140.7 | 2272.9 | 1129.8 | 731.0 | 677.9 | 664.6 | 624.7 | 584.8 | 558.2 |
| 70° | 15564.4 | 12706.8 | 5329.9 | 2153.2 | 1103.2 | 691.2 | 611.4 | 598.1 | 558.2 | 531.7 | 518.4 |
| 72.5° | 13065.6 | 10394.0 | 4399.5 | 1993.7 | 1050.0 | 624.7 | 558.2 | 531.7 | 518.4 | 478.5 | 465.2 |
| 75° | 10008.6 | 8001.5 | 3522.3 | 1767.8 | 917.1 | 558.2 | 491.8 | 465.2 | 451.9 | 425.3 | 412.0 |
| 77.5° | 7031.2 | 5954.6 | 2605.2 | 1435.5 | 770.9 | 505.1 | 438.6 | 412.0 | 398.7 | 358.9 | 358.9 |
| 80° | 4771.7 | 4173.6 | 1767.8 | 996.9 | 598.1 | 412.0 | 385.5 | 358.9 | 332.3 | 305.7 | 305.7 |
| 82.5° | 2964.0 | 2924.1 | 1276.0 | 651.3 | 438.6 | 332.3 | 305.7 | 305.7 | 265.8 | 239.2 | 239.2 |
| 85° | 1355.7 | 1794.4 | 890.5 | 451.9 | 332.3 | 252.5 | 252.5 | 239.2 | 212.7 | 172.8 | 172.8 |
| 87.5° | 425.3 | 598.1 | 465.2 | 199.4 | 186.1 | 146.2 | 146.2 | 132.9 | 132.9 | 106.3 | 106.3 |
| 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: P599102
 CATALOG NUMBER: IFLD-L-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 |
| 2.5° | 8387.0 | 8373.7 | 8373.7 | 8320.5 | 8453.4 | 8453.4 | 8533.2 | 8466.7 | 8506.6 | 8519.9 | 8626.2 |
| 5° | 6659.1 | 6765.4 | 6845.2 | 7004.7 | 7097.7 | 7137.6 | 7137.6 | 7243.9 | 7204.0 | 7283.8 | 7443.3 |
| 7.5° | 4878.0 | 5010.9 | 5250.2 | 5449.5 | 5609.0 | 5662.2 | 5648.9 | 5675.5 | 5715.4 | 5622.3 | 5648.9 |
| 10° | 3947.6 | 3854.6 | 3934.3 | 4120.4 | 4266.6 | 4439.4 | 4306.5 | 4293.2 | 4333.1 | 4293.2 | 4372.9 |
| 12.5° | 3296.3 | 3190.0 | 3123.5 | 3123.5 | 3229.9 | 3309.6 | 3269.7 | 3336.2 | 3482.4 | 3522.3 | 3615.3 |
| 15° | 2671.6 | 2578.6 | 2525.4 | 2458.9 | 2565.3 | 2591.9 | 2631.7 | 2724.8 | 2831.1 | 2884.3 | 2990.6 |
| 17.5° | 2139.9 | 2139.9 | 2139.9 | 2086.8 | 2126.7 | 2166.5 | 2179.8 | 2299.4 | 2312.7 | 2365.9 | 2405.8 |
| 20° | 1754.5 | 1794.4 | 1860.8 | 1887.4 | 1927.3 | 1927.3 | 1900.7 | 1967.2 | 1914.0 | 1953.9 | 1980.4 |
| 22.5° | 1581.7 | 1634.9 | 1661.4 | 1674.7 | 1727.9 | 1741.2 | 1674.7 | 1688.0 | 1701.3 | 1661.4 | 1674.7 |
| 25° | 1488.7 | 1515.2 | 1488.7 | 1501.9 | 1515.2 | 1488.7 | 1501.9 | 1528.5 | 1515.2 | 1541.8 | 1528.5 |
| 27.5° | 1448.8 | 1422.2 | 1408.9 | 1395.6 | 1395.6 | 1369.0 | 1382.3 | 1382.3 | 1408.9 | 1422.2 | 1422.2 |
| 30° | 1448.8 | 1408.9 | 1355.7 | 1315.9 | 1315.9 | 1276.0 | 1302.6 | 1329.2 | 1342.4 | 1369.0 | 1369.0 |
| 32.5° | 1488.7 | 1408.9 | 1315.9 | 1276.0 | 1236.1 | 1209.5 | 1236.1 | 1276.0 | 1329.2 | 1342.4 | 1355.7 |
| 35° | 1183.0 | 1222.8 | 1209.5 | 1156.4 | 1143.1 | 1143.1 | 1129.8 | 1129.8 | 1089.9 | 1089.9 | 1076.6 |
| 37.5° | 1063.3 | 1050.0 | 1076.6 | 1089.9 | 1103.2 | 1063.3 | 1063.3 | 1010.2 | 996.9 | 1010.2 | 1010.2 |
| 40° | 996.9 | 996.9 | 996.9 | 1036.7 | 1050.0 | 1023.5 | 983.6 | 957.0 | 957.0 | 957.0 | 970.3 |
| 42.5° | 970.3 | 943.7 | 930.4 | 957.0 | 996.9 | 970.3 | 930.4 | 917.1 | 917.1 | 930.4 | 930.4 |
| 45° | 930.4 | 917.1 | 903.8 | 890.5 | 943.7 | 903.8 | 890.5 | 877.2 | 877.2 | 877.2 | 890.5 |
| 47.5° | 890.5 | 877.2 | 850.7 | 850.7 | 864.0 | 850.7 | 837.4 | 837.4 | 837.4 | 864.0 | 864.0 |
| 50° | 864.0 | 850.7 | 824.1 | 824.1 | 824.1 | 824.1 | 810.8 | 810.8 | 810.8 | 824.1 | 837.4 |
| 52.5° | 824.1 | 810.8 | 797.5 | 784.2 | 784.2 | 784.2 | 784.2 | 784.2 | 784.2 | 797.5 | 810.8 |
| 55° | 784.2 | 770.9 | 757.6 | 757.6 | 770.9 | 770.9 | 757.6 | 770.9 | 757.6 | 770.9 | 784.2 |
| 57.5° | 744.3 | 731.0 | 717.7 | 731.0 | 744.3 | 731.0 | 731.0 | 731.0 | 731.0 | 731.0 | 744.3 |
| 60° | 691.2 | 691.2 | 691.2 | 691.2 | 717.7 | 717.7 | 717.7 | 717.7 | 691.2 | 704.5 | 717.7 |
| 62.5° | 664.6 | 651.3 | 651.3 | 664.6 | 677.9 | 677.9 | 691.2 | 677.9 | 664.6 | 677.9 | 677.9 |
| 65° | 611.4 | 611.4 | 611.4 | 624.7 | 624.7 | 638.0 | 638.0 | 638.0 | 624.7 | 638.0 | 638.0 |
| 67.5° | 571.5 | 571.5 | 571.5 | 571.5 | 598.1 | 598.1 | 598.1 | 598.1 | 584.8 | 584.8 | 598.1 |
| 70° | 505.1 | 518.4 | 505.1 | 531.7 | 558.2 | 545.0 | 558.2 | 558.2 | 545.0 | 531.7 | 558.2 |
| 72.5° | 465.2 | 465.2 | 465.2 | 465.2 | 505.1 | 505.1 | 505.1 | 518.4 | 505.1 | 491.8 | 505.1 |
| 75° | 412.0 | 412.0 | 412.0 | 425.3 | 451.9 | 451.9 | 451.9 | 451.9 | 451.9 | 438.6 | 438.6 |
| 77.5° | 358.9 | 372.2 | 358.9 | 372.2 | 398.7 | 385.5 | 398.7 | 412.0 | 398.7 | 385.5 | 385.5 |
| 80° | 305.7 | 305.7 | 305.7 | 319.0 | 332.3 | 332.3 | 332.3 | 345.6 | 332.3 | 319.0 | 319.0 |
| 82.5° | 239.2 | 239.2 | 252.5 | 252.5 | 265.8 | 265.8 | 265.8 | 279.1 | 265.8 | 252.5 | 252.5 |
| 85° | 186.1 | 186.1 | 186.1 | 199.4 | 199.4 | 212.7 | 212.7 | 226.0 | 226.0 | 212.7 | 212.7 |
| 87.5° | 119.6 | 106.3 | 119.6 | 119.6 | 132.9 | 132.9 | 119.6 | 106.3 | 119.6 | 106.3 | 93.0 |
| 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: P599102
 CATALOG NUMBER: IFLD-L-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 | 9569.9 |
| 2.5° | 8732.6 | 8971.8 | 9144.6 | 9264.2 | 9437.0 | 9769.3 | 9902.2 | 10141.5 | 10207.9 | 10247.8 |
| 5° | 7509.7 | 7762.3 | 8134.4 | 8400.3 | 8706.0 | 9330.7 | 9809.2 | 10168.1 | 10327.6 | 10473.8 |
| 7.5° | 5888.2 | 6220.5 | 6605.9 | 6951.5 | 7456.6 | 8227.5 | 8852.2 | 9596.5 | 9875.6 | 10021.9 |
| 10° | 4598.9 | 4904.6 | 5329.9 | 5755.3 | 6459.7 | 7111.0 | 8001.5 | 8679.4 | 9064.9 | 9171.2 |
| 12.5° | 3881.1 | 4240.0 | 4745.1 | 5263.5 | 5702.1 | 6446.4 | 7350.2 | 8333.8 | 8692.7 | 8759.2 |
| 15° | 3296.3 | 3788.1 | 4306.5 | 4838.1 | 5343.2 | 5994.5 | 6964.8 | 8161.0 | 8692.7 | 8759.2 |
| 17.5° | 2724.8 | 3163.4 | 3774.8 | 4346.3 | 4931.2 | 5821.7 | 7031.2 | 8307.2 | 8838.9 | 9038.3 |
| 20° | 2166.5 | 2591.9 | 3070.4 | 3788.1 | 4585.6 | 5529.3 | 7177.5 | 8799.0 | 9503.5 | 9716.1 |
| 22.5° | 1794.4 | 1980.4 | 2445.7 | 3136.8 | 4080.5 | 5329.9 | 7323.7 | 9569.9 | 10314.3 | 10394.0 |
| 25° | 1568.4 | 1701.3 | 1993.7 | 2645.0 | 3681.8 | 5197.0 | 7669.2 | 10460.5 | 11417.5 | 11417.5 |
| 27.5° | 1462.1 | 1515.2 | 1714.6 | 2299.4 | 3402.6 | 5077.4 | 8014.8 | 11444.1 | 12334.6 | 12520.7 |
| 30° | 1435.5 | 1568.4 | 1674.7 | 2046.9 | 3096.9 | 4745.1 | 8333.8 | 12215.0 | 13132.1 | 13145.4 |
| 32.5° | 1408.9 | 1382.3 | 1462.1 | 1781.1 | 2724.8 | 4399.5 | 8599.7 | 12999.2 | 13716.9 | 13756.8 |
| 35° | 1103.2 | 1156.4 | 1289.3 | 1568.4 | 2445.7 | 4147.0 | 8732.6 | 13424.5 | 14461.2 | 14501.1 |
| 37.5° | 1036.7 | 1103.2 | 1209.5 | 1448.8 | 2259.6 | 3934.3 | 8772.4 | 14248.6 | 15245.4 | 15325.2 |
| 40° | 1010.2 | 1063.3 | 1143.1 | 1342.4 | 2113.4 | 3668.5 | 8852.2 | 15099.2 | 16401.8 | 16295.5 |
| 42.5° | 957.0 | 1023.5 | 1103.2 | 1289.3 | 1993.7 | 3469.1 | 8865.5 | 15564.4 | 17013.2 | 17013.2 |
| 45° | 943.7 | 983.6 | 1076.6 | 1289.3 | 1860.8 | 3296.3 | 8652.8 | 16029.6 | 17717.7 | 17505.0 |
| 47.5° | 890.5 | 970.3 | 1050.0 | 1249.4 | 1701.3 | 3123.5 | 8400.3 | 16268.9 | 17810.7 | 17744.3 |
| 50° | 877.2 | 957.0 | 1089.9 | 1183.0 | 1608.3 | 3043.8 | 8347.1 | 16867.0 | 17996.8 | 17983.5 |
| 52.5° | 850.7 | 930.4 | 1129.8 | 1129.8 | 1488.7 | 2937.4 | 8599.7 | 17132.9 | 18036.7 | 18143.0 |
| 55° | 810.8 | 930.4 | 1050.0 | 1036.7 | 1382.3 | 2804.5 | 8878.8 | 17824.0 | 18741.1 | 18714.5 |
| 57.5° | 784.2 | 903.8 | 996.9 | 943.7 | 1262.7 | 2711.5 | 9290.8 | 18488.6 | 19591.8 | 19405.7 |
| 60° | 744.3 | 903.8 | 890.5 | 877.2 | 1169.7 | 2631.7 | 9636.4 | 18621.5 | 19777.9 | 19897.5 |
| 62.5° | 717.7 | 943.7 | 784.2 | 810.8 | 1089.9 | 2591.9 | 9490.2 | 17624.6 | 19525.3 | 19631.7 |
| 65° | 691.2 | 810.8 | 717.7 | 744.3 | 1063.3 | 2512.1 | 8918.7 | 16428.4 | 18435.4 | 18900.6 |
| 67.5° | 638.0 | 664.6 | 664.6 | 691.2 | 1036.7 | 2326.0 | 7749.0 | 14275.2 | 16774.0 | 17026.5 |
| 70° | 584.8 | 598.1 | 598.1 | 638.0 | 1010.2 | 2113.4 | 6393.3 | 12347.9 | 14554.3 | 15032.8 |
| 72.5° | 531.7 | 531.7 | 531.7 | 584.8 | 930.4 | 1940.6 | 5263.5 | 9490.2 | 12095.3 | 12427.6 |
| 75° | 465.2 | 465.2 | 465.2 | 518.4 | 837.4 | 1767.8 | 4147.0 | 7057.8 | 8905.4 | 9383.9 |
| 77.5° | 412.0 | 412.0 | 398.7 | 465.2 | 731.0 | 1435.5 | 2990.6 | 4984.3 | 6273.6 | 6672.4 |
| 80° | 345.6 | 332.3 | 332.3 | 372.2 | 571.5 | 1036.7 | 1927.3 | 3522.3 | 4372.9 | 4545.7 |
| 82.5° | 279.1 | 265.8 | 252.5 | 279.1 | 412.0 | 651.3 | 1196.2 | 2458.9 | 2804.5 | 2698.2 |
| 85° | 265.8 | 279.1 | 226.0 | 212.7 | 292.4 | 425.3 | 757.6 | 1515.2 | 1262.7 | 1262.7 |
| 87.5° | 106.3 | 93.0 | 93.0 | 79.7 | 146.2 | 159.5 | 332.3 | 279.1 | 212.7 | 212.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)