

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: P598815

Luminaire Tested: **IFLD-L-SA8A-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598815
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

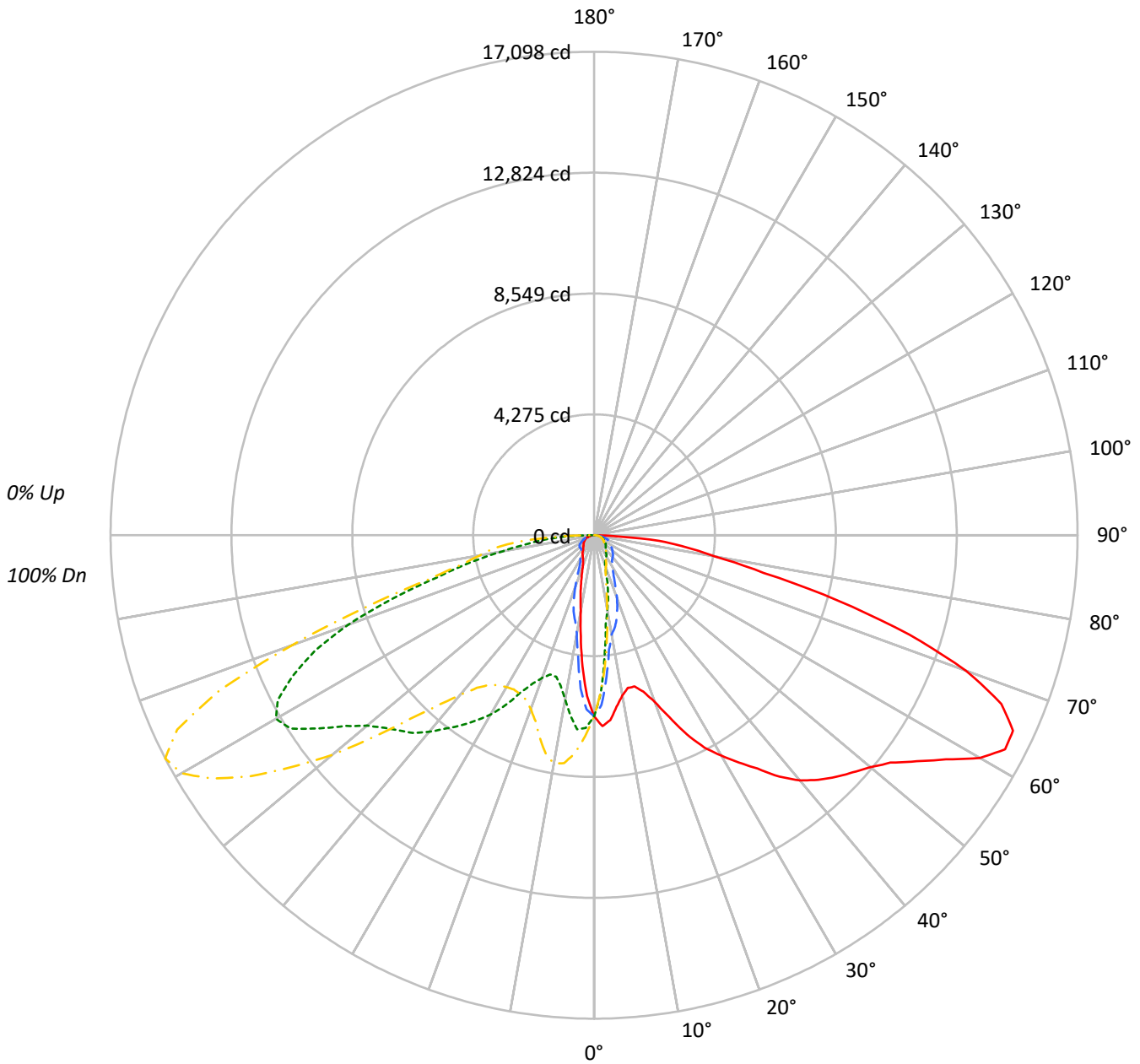
Lumens per Lamp: N/A
 Luminaire Lumens: 21419.1 lumens
 Efficiency: N/A
 Efficacy: 86.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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: P598815

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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 | 102 | 102 | 102 | 100 |
| 1 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 87 | 92 | 88 | 84 | 88 | 85 | 82 | 85 | 82 | 79 | 85 | 82 | 79 | 77 |
| 2 | 93 | 83 | 74 | 67 | 90 | 81 | 73 | 66 | 77 | 70 | 64 | 73 | 68 | 63 | 70 | 65 | 61 | 70 | 65 | 61 | 59 |
| 3 | 83 | 70 | 60 | 52 | 80 | 68 | 59 | 51 | 65 | 57 | 50 | 62 | 55 | 49 | 59 | 53 | 48 | 59 | 53 | 48 | 46 |
| 4 | 74 | 60 | 49 | 41 | 72 | 59 | 49 | 41 | 56 | 47 | 40 | 53 | 46 | 40 | 51 | 44 | 39 | 51 | 44 | 39 | 36 |
| 5 | 68 | 52 | 42 | 34 | 65 | 51 | 41 | 34 | 49 | 40 | 33 | 47 | 39 | 33 | 45 | 38 | 32 | 45 | 38 | 32 | 30 |
| 6 | 62 | 46 | 36 | 28 | 60 | 45 | 35 | 28 | 43 | 34 | 28 | 41 | 34 | 28 | 40 | 33 | 27 | 40 | 33 | 27 | 25 |
| 7 | 57 | 41 | 31 | 24 | 55 | 40 | 31 | 24 | 39 | 30 | 24 | 37 | 29 | 24 | 36 | 29 | 23 | 36 | 29 | 23 | 21 |
| 8 | 53 | 37 | 28 | 21 | 51 | 36 | 27 | 21 | 35 | 27 | 21 | 34 | 26 | 21 | 32 | 26 | 20 | 32 | 26 | 20 | 18 |
| 9 | 49 | 34 | 25 | 19 | 47 | 33 | 24 | 18 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 30 | 23 | 18 | 16 |
| 10 | 46 | 31 | 22 | 17 | 44 | 31 | 22 | 17 | 29 | 22 | 16 | 28 | 21 | 16 | 28 | 21 | 16 | 28 | 21 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 34435 | 34435 | 34435 | 34435 |
| 5° | 35438 | 23044 | 25175 | 37229 |
| 10° | 31441 | 14643 | 14790 | 32175 |
| 15° | 30857 | 10385 | 9836 | 28859 |
| 20° | 35875 | 6569 | 6621 | 30743 |
| 25° | 46137 | 5641 | 5481 | 36346 |
| 30° | 55912 | 5346 | 5012 | 45499 |
| 35° | 66177 | 4710 | 4533 | 53930 |
| 40° | 79516 | 4470 | 4155 | 63713 |
| 45° | 92009 | 4434 | 4024 | 74276 |
| 50° | 106843 | 4502 | 4052 | 87711 |
| 55° | 130751 | 4625 | 4120 | 111748 |
| 60° | 169571 | 4630 | 4341 | 139766 |
| 65° | 208153 | 4679 | 4451 | 149610 |
| 70° | 220259 | 4935 | 4653 | 145665 |
| 75° | 185410 | 5217 | 4658 | 118885 |
| 80° | 134704 | 6109 | 4720 | 102762 |
| 85° | 142768 | 8855 | 3872 | 106798 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 495.2 | 2.3 |
| 10°-20° | 1036.3 | 4.8 |
| 20°-30° | 1493.5 | 7.0 |
| 30°-40° | 2150.0 | 10.0 |
| 40°-50° | 3053.9 | 14.3 |
| 50°-60° | 4390.6 | 20.5 |
| 60°-70° | 5072.6 | 23.7 |
| 70°-80° | 2872.2 | 13.4 |
| 80°-90° | 854.8 | 4.0 |
| 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° | 3025.0 | 14.1 |
| 0°-40° | 5174.9 | 24.2 |
| 0°-60° | 12619.4 | 58.9 |
| 0°-90° | 21419.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 21419.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|------|------|-------|-------|-------|
| 0° | 6398 | 6398 | 6398 | 6398 | 6398 | |
| 5° | 6560 | 4266 | 4660 | 6891 | 6560 | 595 |
| 15° | 5538 | 1864 | 1765 | 5180 | 5538 | 1628 |
| 25° | 7769 | 950 | 923 | 6120 | 7769 | 3606 |
| 35° | 10072 | 717 | 690 | 8208 | 10072 | 6392 |
| 45° | 12089 | 582 | 529 | 9759 | 12089 | 9360 |
| 55° | 13935 | 493 | 439 | 11909 | 13935 | 12620 |
| 65° | 16345 | 367 | 350 | 11748 | 16345 | 15674 |
| 75° | 8916 | 251 | 224 | 5717 | 8916 | 9461 |
| 85° | 2312 | 143 | 63 | 1730 | 2312 | 2303 |
| 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° | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 |
| 2.5° | 6756.7 | 6747.8 | 6694.0 | 6523.7 | 6344.5 | 6174.2 | 6012.9 | 5842.7 | 5753.1 | 5645.5 | 5600.7 |
| 5° | 6559.6 | 6541.6 | 6389.3 | 6012.9 | 5681.4 | 5322.9 | 5018.2 | 4776.3 | 4579.2 | 4382.0 | 4310.3 |
| 7.5° | 6111.5 | 6084.6 | 5905.4 | 5385.7 | 4901.8 | 4435.8 | 4068.4 | 3754.7 | 3494.9 | 3378.4 | 3243.9 |
| 10° | 5753.1 | 5708.3 | 5475.3 | 4901.8 | 4274.5 | 3808.5 | 3566.5 | 3351.5 | 3127.4 | 2939.3 | 2742.1 |
| 12.5° | 5529.0 | 5475.3 | 5233.3 | 4561.2 | 3951.9 | 3602.4 | 3351.5 | 3109.5 | 2831.7 | 2598.7 | 2383.7 |
| 15° | 5538.0 | 5475.3 | 5179.5 | 4471.6 | 3871.2 | 3423.2 | 3073.7 | 2742.1 | 2419.5 | 2159.6 | 1917.7 |
| 17.5° | 5797.9 | 5717.2 | 5403.6 | 4597.1 | 3808.5 | 3190.2 | 2724.2 | 2294.1 | 1926.6 | 1648.9 | 1451.7 |
| 20° | 6263.8 | 6210.1 | 5851.6 | 4785.3 | 3745.8 | 2939.3 | 2365.7 | 1846.0 | 1460.7 | 1245.6 | 1165.0 |
| 22.5° | 6962.8 | 6900.1 | 6514.8 | 5072.0 | 3727.8 | 2715.2 | 1980.4 | 1451.7 | 1173.9 | 1084.3 | 1039.5 |
| 25° | 7769.3 | 7652.8 | 7294.4 | 5555.9 | 3763.7 | 2509.1 | 1666.8 | 1200.8 | 1048.5 | 985.7 | 958.8 |
| 27.5° | 8468.3 | 8396.6 | 7993.4 | 6012.9 | 3781.6 | 2347.8 | 1451.7 | 1093.3 | 976.8 | 923.0 | 905.1 |
| 30° | 8997.0 | 8970.1 | 8575.8 | 6514.8 | 3736.8 | 2150.7 | 1317.3 | 1048.5 | 976.8 | 923.0 | 869.2 |
| 32.5° | 9525.7 | 9534.7 | 9113.5 | 6900.1 | 3674.1 | 1980.4 | 1191.8 | 932.0 | 860.3 | 824.4 | 833.4 |
| 35° | 10072.3 | 10117.1 | 9758.7 | 7276.5 | 3539.7 | 1917.7 | 1102.2 | 869.2 | 806.5 | 752.7 | 725.9 |
| 37.5° | 10762.4 | 10878.8 | 10529.4 | 7697.6 | 3405.2 | 1863.9 | 1057.4 | 824.4 | 761.7 | 716.9 | 681.0 |
| 40° | 11317.9 | 11533.0 | 11326.9 | 8091.9 | 3315.6 | 1801.2 | 1021.6 | 779.6 | 734.8 | 681.0 | 654.2 |
| 42.5° | 11730.2 | 11981.1 | 11909.4 | 8396.6 | 3315.6 | 1738.5 | 985.7 | 752.7 | 716.9 | 654.2 | 618.3 |
| 45° | 12088.6 | 12348.5 | 12339.5 | 8710.2 | 3387.3 | 1702.6 | 940.9 | 752.7 | 699.0 | 636.2 | 600.4 |
| 47.5° | 12411.2 | 12671.1 | 12760.7 | 9104.5 | 3503.8 | 1684.7 | 887.2 | 734.8 | 699.0 | 627.3 | 573.5 |
| 50° | 12760.7 | 13047.4 | 13316.3 | 9731.8 | 3647.2 | 1639.9 | 851.3 | 707.9 | 707.9 | 618.3 | 555.6 |
| 52.5° | 13208.7 | 13531.3 | 14024.2 | 10511.4 | 3790.6 | 1559.2 | 797.5 | 690.0 | 707.9 | 609.4 | 537.7 |
| 55° | 13934.6 | 14203.4 | 14848.6 | 11443.4 | 3969.8 | 1460.7 | 752.7 | 645.2 | 672.1 | 582.5 | 510.8 |
| 57.5° | 14750.1 | 14983.1 | 15520.7 | 12160.3 | 4023.6 | 1335.2 | 690.0 | 600.4 | 645.2 | 555.6 | 474.9 |
| 60° | 15753.7 | 15870.2 | 15870.2 | 12366.4 | 3844.3 | 1218.7 | 645.2 | 564.6 | 582.5 | 528.7 | 448.1 |
| 62.5° | 16390.0 | 16390.0 | 15870.2 | 11990.0 | 3503.8 | 1120.1 | 609.4 | 528.7 | 510.8 | 492.9 | 421.2 |
| 65° | 16345.2 | 16273.5 | 15502.8 | 10896.8 | 3109.5 | 1057.4 | 573.5 | 483.9 | 457.0 | 448.1 | 394.3 |
| 67.5° | 15592.4 | 15467.0 | 14418.5 | 9355.4 | 2697.3 | 1030.5 | 537.7 | 439.1 | 421.2 | 403.3 | 358.4 |
| 70° | 13997.3 | 13674.7 | 12384.3 | 7527.4 | 2294.1 | 1012.6 | 528.7 | 403.3 | 385.3 | 367.4 | 331.6 |
| 72.5° | 11685.3 | 11273.1 | 9669.1 | 5788.9 | 1926.6 | 949.9 | 501.8 | 358.4 | 349.5 | 331.6 | 295.7 |
| 75° | 8916.4 | 8154.7 | 6747.8 | 4426.8 | 1496.5 | 824.4 | 430.1 | 313.6 | 313.6 | 304.7 | 268.8 |
| 77.5° | 6147.4 | 5753.1 | 4704.6 | 3270.8 | 1093.3 | 636.2 | 349.5 | 277.8 | 277.8 | 286.8 | 250.9 |
| 80° | 4346.2 | 3978.8 | 3351.5 | 2347.8 | 690.0 | 430.1 | 268.8 | 233.0 | 259.9 | 277.8 | 233.0 |
| 82.5° | 3324.6 | 3055.8 | 2491.2 | 1711.6 | 403.3 | 295.7 | 206.1 | 188.2 | 224.0 | 242.0 | 197.1 |
| 85° | 2312.0 | 1989.4 | 1263.5 | 1147.0 | 233.0 | 179.2 | 152.3 | 152.3 | 197.1 | 242.0 | 179.2 |
| 87.5° | 654.2 | 277.8 | 80.7 | 340.5 | 98.6 | 71.7 | 53.8 | 35.8 | 53.8 | 53.8 | 35.8 |
| 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° | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 |
| 2.5° | 5555.9 | 5502.2 | 5502.2 | 5484.2 | 5493.2 | 5502.2 | 5493.2 | 5555.9 | 5582.8 | 5618.6 | 5690.3 |
| 5° | 4265.5 | 4337.2 | 4283.4 | 4337.2 | 4408.9 | 4516.4 | 4543.3 | 4624.0 | 4632.9 | 4695.6 | 4659.8 |
| 7.5° | 3163.3 | 3154.3 | 3109.5 | 3172.2 | 3369.4 | 3521.7 | 3593.4 | 3638.2 | 3647.2 | 3647.2 | 3602.4 |
| 10° | 2679.4 | 2598.7 | 2518.1 | 2473.3 | 2491.2 | 2652.5 | 2706.3 | 2733.2 | 2715.2 | 2742.1 | 2706.3 |
| 12.5° | 2294.1 | 2222.4 | 2105.9 | 2025.2 | 1971.5 | 2016.3 | 2070.0 | 2096.9 | 2114.8 | 2159.6 | 2195.5 |
| 15° | 1863.9 | 1792.2 | 1720.5 | 1675.7 | 1630.9 | 1595.1 | 1639.9 | 1666.8 | 1711.6 | 1747.4 | 1765.3 |
| 17.5° | 1415.9 | 1380.0 | 1344.2 | 1371.1 | 1371.1 | 1353.1 | 1371.1 | 1380.0 | 1397.9 | 1424.8 | 1415.9 |
| 20° | 1147.0 | 1138.1 | 1129.1 | 1173.9 | 1209.8 | 1209.8 | 1227.7 | 1200.8 | 1191.8 | 1165.0 | 1156.0 |
| 22.5° | 1021.6 | 1021.6 | 1030.5 | 1066.4 | 1102.2 | 1120.1 | 1120.1 | 1075.3 | 1030.5 | 1012.6 | 1021.6 |
| 25° | 949.9 | 949.9 | 976.8 | 985.7 | 1003.6 | 1003.6 | 1012.6 | 967.8 | 940.9 | 914.0 | 923.0 |
| 27.5° | 896.1 | 896.1 | 905.1 | 905.1 | 914.0 | 914.0 | 923.0 | 905.1 | 869.2 | 860.3 | 860.3 |
| 30° | 860.3 | 860.3 | 851.3 | 851.3 | 851.3 | 851.3 | 860.3 | 833.4 | 815.5 | 806.5 | 806.5 |
| 32.5° | 824.4 | 815.5 | 806.5 | 806.5 | 797.5 | 797.5 | 806.5 | 779.6 | 770.7 | 770.7 | 770.7 |
| 35° | 716.9 | 707.9 | 716.9 | 734.8 | 734.8 | 743.8 | 743.8 | 734.8 | 716.9 | 699.0 | 690.0 |
| 37.5° | 672.1 | 663.1 | 663.1 | 663.1 | 681.0 | 690.0 | 699.0 | 681.0 | 654.2 | 627.3 | 627.3 |
| 40° | 636.2 | 636.2 | 627.3 | 627.3 | 627.3 | 645.2 | 663.1 | 636.2 | 600.4 | 591.4 | 591.4 |
| 42.5° | 609.4 | 600.4 | 591.4 | 582.5 | 573.5 | 600.4 | 618.3 | 582.5 | 564.6 | 564.6 | 564.6 |
| 45° | 582.5 | 573.5 | 564.6 | 555.6 | 546.6 | 555.6 | 573.5 | 537.7 | 528.7 | 528.7 | 528.7 |
| 47.5° | 555.6 | 546.6 | 528.7 | 519.7 | 510.8 | 510.8 | 528.7 | 501.8 | 492.9 | 501.8 | 501.8 |
| 50° | 537.7 | 519.7 | 501.8 | 492.9 | 483.9 | 483.9 | 483.9 | 474.9 | 474.9 | 474.9 | 483.9 |
| 52.5° | 519.7 | 501.8 | 474.9 | 466.0 | 457.0 | 457.0 | 457.0 | 457.0 | 448.1 | 457.0 | 466.0 |
| 55° | 492.9 | 474.9 | 457.0 | 448.1 | 439.1 | 430.1 | 439.1 | 430.1 | 430.1 | 439.1 | 439.1 |
| 57.5° | 457.0 | 439.1 | 421.2 | 421.2 | 412.2 | 412.2 | 421.2 | 412.2 | 412.2 | 421.2 | 421.2 |
| 60° | 430.1 | 412.2 | 394.3 | 394.3 | 385.3 | 394.3 | 403.3 | 394.3 | 394.3 | 394.3 | 403.3 |
| 62.5° | 394.3 | 385.3 | 367.4 | 367.4 | 367.4 | 367.4 | 376.4 | 367.4 | 376.4 | 376.4 | 376.4 |
| 65° | 367.4 | 349.5 | 340.5 | 340.5 | 340.5 | 340.5 | 358.4 | 340.5 | 349.5 | 349.5 | 349.5 |
| 67.5° | 340.5 | 322.6 | 313.6 | 313.6 | 313.6 | 313.6 | 331.6 | 313.6 | 322.6 | 331.6 | 322.6 |
| 70° | 313.6 | 295.7 | 286.8 | 286.8 | 286.8 | 286.8 | 295.7 | 286.8 | 286.8 | 295.7 | 295.7 |
| 72.5° | 277.8 | 268.8 | 259.9 | 259.9 | 250.9 | 259.9 | 268.8 | 259.9 | 259.9 | 259.9 | 259.9 |
| 75° | 250.9 | 242.0 | 242.0 | 233.0 | 233.0 | 233.0 | 242.0 | 224.0 | 224.0 | 224.0 | 224.0 |
| 77.5° | 233.0 | 215.1 | 215.1 | 215.1 | 206.1 | 215.1 | 206.1 | 188.2 | 188.2 | 188.2 | 188.2 |
| 80° | 197.1 | 179.2 | 188.2 | 188.2 | 179.2 | 179.2 | 170.3 | 152.3 | 152.3 | 152.3 | 152.3 |
| 82.5° | 161.3 | 143.4 | 152.3 | 152.3 | 152.3 | 152.3 | 134.4 | 125.5 | 116.5 | 107.5 | 107.5 |
| 85° | 143.4 | 116.5 | 134.4 | 134.4 | 125.5 | 125.5 | 89.6 | 89.6 | 71.7 | 71.7 | 62.7 |
| 87.5° | 26.9 | 17.9 | 35.8 | 44.8 | 44.8 | 53.8 | 35.8 | 44.8 | 26.9 | 17.9 | 17.9 |
| 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: P598815
 CATALOG NUMBER: IFLD-L-SA8A-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 |
| 2.5° | 5681.4 | 5779.9 | 5914.4 | 6012.9 | 6165.3 | 6281.8 | 6461.0 | 6613.3 | 6756.7 | 6819.4 | 6882.2 |
| 5° | 4767.3 | 4830.1 | 5036.2 | 5197.5 | 5439.4 | 5699.3 | 6021.9 | 6371.4 | 6729.8 | 6891.1 | 7079.3 |
| 7.5° | 3566.5 | 3683.0 | 3799.5 | 4032.5 | 4328.2 | 4749.4 | 5161.6 | 5681.4 | 6183.2 | 6425.2 | 6747.8 |
| 10° | 2769.0 | 2858.6 | 2993.0 | 3235.0 | 3512.8 | 3862.3 | 4355.1 | 4973.4 | 5573.8 | 5887.5 | 6219.0 |
| 12.5° | 2222.4 | 2347.8 | 2527.0 | 2778.0 | 3100.6 | 3459.0 | 3817.5 | 4391.0 | 5089.9 | 5448.4 | 5824.8 |
| 15° | 1801.2 | 1899.8 | 2096.9 | 2410.6 | 2786.9 | 3154.3 | 3530.7 | 4005.6 | 4767.3 | 5179.5 | 5627.6 |
| 17.5° | 1433.8 | 1505.5 | 1684.7 | 1998.3 | 2374.7 | 2786.9 | 3217.1 | 3817.5 | 4659.8 | 5161.6 | 5690.3 |
| 20° | 1165.0 | 1218.7 | 1335.2 | 1568.2 | 1926.6 | 2374.7 | 2912.4 | 3638.2 | 4722.5 | 5367.7 | 6012.9 |
| 22.5° | 1021.6 | 1039.5 | 1093.3 | 1218.7 | 1514.4 | 1989.4 | 2634.6 | 3485.9 | 4839.0 | 5672.4 | 6541.6 |
| 25° | 923.0 | 940.9 | 958.8 | 1039.5 | 1209.8 | 1657.8 | 2392.6 | 3396.3 | 5089.9 | 6120.5 | 7151.0 |
| 27.5° | 860.3 | 878.2 | 887.2 | 923.0 | 1039.5 | 1415.9 | 2186.5 | 3342.5 | 5430.5 | 6774.6 | 7903.7 |
| 30° | 806.5 | 806.5 | 833.4 | 887.2 | 967.8 | 1245.6 | 2007.3 | 3217.1 | 5788.9 | 7321.3 | 8495.2 |
| 32.5° | 761.7 | 770.7 | 806.5 | 833.4 | 887.2 | 1102.2 | 1828.1 | 3055.8 | 6111.5 | 7769.3 | 9077.7 |
| 35° | 681.0 | 681.0 | 690.0 | 734.8 | 806.5 | 985.7 | 1666.8 | 2894.5 | 6290.7 | 8208.4 | 9597.4 |
| 37.5° | 627.3 | 636.2 | 654.2 | 690.0 | 752.7 | 905.1 | 1532.4 | 2715.2 | 6478.9 | 8620.6 | 10206.8 |
| 40° | 591.4 | 600.4 | 618.3 | 654.2 | 716.9 | 833.4 | 1415.9 | 2571.9 | 6676.1 | 9068.7 | 10860.9 |
| 42.5° | 564.6 | 573.5 | 591.4 | 627.3 | 681.0 | 815.5 | 1290.4 | 2455.4 | 6792.6 | 9480.9 | 11479.2 |
| 45° | 537.7 | 546.6 | 573.5 | 609.4 | 654.2 | 797.5 | 1218.7 | 2374.7 | 6837.4 | 9758.7 | 11972.1 |
| 47.5° | 510.8 | 519.7 | 546.6 | 600.4 | 654.2 | 770.7 | 1191.8 | 2329.9 | 6873.2 | 10072.3 | 12366.4 |
| 50° | 483.9 | 501.8 | 537.7 | 591.4 | 663.1 | 734.8 | 1173.9 | 2320.9 | 7079.3 | 10475.6 | 12742.8 |
| 52.5° | 466.0 | 492.9 | 528.7 | 591.4 | 654.2 | 681.0 | 1165.0 | 2347.8 | 7491.5 | 11076.0 | 13280.4 |
| 55° | 448.1 | 474.9 | 510.8 | 591.4 | 627.3 | 636.2 | 1120.1 | 2392.6 | 8118.8 | 11909.4 | 14042.1 |
| 57.5° | 430.1 | 448.1 | 492.9 | 573.5 | 591.4 | 600.4 | 1030.5 | 2455.4 | 8746.1 | 12724.8 | 14821.8 |
| 60° | 403.3 | 421.2 | 466.0 | 573.5 | 537.7 | 564.6 | 914.0 | 2473.3 | 9194.1 | 12984.7 | 14893.4 |
| 62.5° | 376.4 | 394.3 | 439.1 | 591.4 | 492.9 | 528.7 | 815.5 | 2410.6 | 9283.8 | 12608.3 | 14490.2 |
| 65° | 349.5 | 367.4 | 403.3 | 492.9 | 457.0 | 492.9 | 752.7 | 2240.3 | 8988.0 | 11748.1 | 13755.4 |
| 67.5° | 322.6 | 340.5 | 367.4 | 403.3 | 412.2 | 448.1 | 725.9 | 1971.5 | 8244.3 | 10681.7 | 12751.7 |
| 70° | 286.8 | 304.7 | 331.6 | 358.4 | 367.4 | 421.2 | 681.0 | 1711.6 | 7043.5 | 9256.9 | 11524.0 |
| 72.5° | 259.9 | 268.8 | 295.7 | 313.6 | 331.6 | 385.3 | 654.2 | 1496.5 | 5385.7 | 7491.5 | 9400.3 |
| 75° | 224.0 | 224.0 | 250.9 | 268.8 | 286.8 | 340.5 | 600.4 | 1245.6 | 3799.5 | 5717.2 | 6909.1 |
| 77.5° | 188.2 | 188.2 | 206.1 | 224.0 | 242.0 | 295.7 | 510.8 | 1012.6 | 2634.6 | 4534.3 | 5009.3 |
| 80° | 143.4 | 143.4 | 161.3 | 179.2 | 197.1 | 250.9 | 412.2 | 743.8 | 1630.9 | 3315.6 | 3647.2 |
| 82.5° | 98.6 | 98.6 | 125.5 | 134.4 | 143.4 | 197.1 | 313.6 | 510.8 | 958.8 | 2392.6 | 2607.7 |
| 85° | 53.8 | 53.8 | 71.7 | 80.7 | 98.6 | 143.4 | 233.0 | 358.4 | 573.5 | 1729.5 | 1738.5 |
| 87.5° | 9.0 | 9.0 | 26.9 | 26.9 | 44.8 | 71.7 | 134.4 | 197.1 | 322.6 | 958.8 | 609.4 |
| 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: P598815
 CATALOG NUMBER: IFLD-L-SA8A-827-U-SLR

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 | 6398.3 |
| 2.5° | 6998.7 | 7097.2 | 7106.2 | 7106.2 | 7061.4 | 7070.4 | 6944.9 | 6810.5 | 6765.7 | 6756.7 |
| 5° | 7366.1 | 7625.9 | 7697.6 | 7733.5 | 7617.0 | 7437.8 | 7115.2 | 6765.7 | 6586.5 | 6559.6 |
| 7.5° | 7294.4 | 7814.1 | 8091.9 | 8127.8 | 7894.8 | 7473.6 | 6909.1 | 6371.4 | 6165.3 | 6111.5 |
| 10° | 6873.2 | 7572.2 | 8074.0 | 8199.5 | 7948.5 | 7410.9 | 6676.1 | 6048.8 | 5797.9 | 5753.1 |
| 12.5° | 6577.5 | 7249.6 | 7742.4 | 7912.7 | 7796.2 | 7330.2 | 6559.6 | 5842.7 | 5591.8 | 5529.0 |
| 15° | 6416.2 | 7034.5 | 7357.1 | 7410.9 | 7401.9 | 7204.8 | 6559.6 | 5887.5 | 5609.7 | 5538.0 |
| 17.5° | 6550.6 | 6971.8 | 7016.6 | 6891.1 | 6962.8 | 7061.4 | 6702.9 | 6129.4 | 5860.6 | 5797.9 |
| 20° | 6819.4 | 6944.9 | 6729.8 | 6541.6 | 6577.5 | 6891.1 | 6927.0 | 6586.5 | 6371.4 | 6263.8 |
| 22.5° | 7384.0 | 7043.5 | 6550.6 | 6290.7 | 6317.6 | 6756.7 | 7222.7 | 7204.8 | 7016.6 | 6962.8 |
| 25° | 7957.5 | 7321.3 | 6496.8 | 6192.2 | 6228.0 | 6729.8 | 7572.2 | 7894.8 | 7796.2 | 7769.3 |
| 27.5° | 8593.8 | 7787.2 | 6532.7 | 6147.4 | 6192.2 | 6765.7 | 7814.1 | 8477.3 | 8495.2 | 8468.3 |
| 30° | 9023.9 | 8011.3 | 6640.2 | 6201.1 | 6263.8 | 6855.3 | 7867.9 | 8826.7 | 8988.0 | 8997.0 |
| 32.5° | 9382.3 | 8235.3 | 6864.2 | 6290.7 | 6398.3 | 7016.6 | 8011.3 | 9158.3 | 9516.7 | 9525.7 |
| 35° | 9669.1 | 8486.2 | 7142.0 | 6452.0 | 6613.3 | 7285.4 | 8199.5 | 9471.9 | 10009.6 | 10072.3 |
| 37.5° | 10036.5 | 8764.0 | 7464.6 | 6801.5 | 6980.7 | 7670.8 | 8531.0 | 9839.4 | 10592.1 | 10762.4 |
| 40° | 10430.8 | 9041.8 | 7930.6 | 7366.1 | 7625.9 | 8244.3 | 8907.4 | 10251.6 | 11085.0 | 11317.9 |
| 42.5° | 10869.9 | 9337.5 | 8459.3 | 8127.8 | 8522.1 | 8970.1 | 9337.5 | 10627.9 | 11461.3 | 11730.2 |
| 45° | 11300.0 | 9696.0 | 9230.0 | 9167.3 | 9606.4 | 9830.4 | 9758.7 | 10896.8 | 11819.8 | 12088.6 |
| 47.5° | 11604.7 | 10215.7 | 10162.0 | 10538.3 | 10950.5 | 10834.0 | 10251.6 | 11093.9 | 12115.5 | 12411.2 |
| 50° | 11882.5 | 10860.9 | 11335.9 | 12070.7 | 12321.6 | 11927.3 | 10780.3 | 11362.7 | 12429.1 | 12760.7 |
| 52.5° | 12294.7 | 11550.9 | 12545.6 | 13459.7 | 13701.6 | 13074.3 | 11353.8 | 11801.8 | 12913.0 | 13208.7 |
| 55° | 13137.1 | 12330.6 | 13809.1 | 14857.6 | 14902.4 | 14122.8 | 12124.4 | 12545.6 | 13594.1 | 13934.6 |
| 57.5° | 14078.0 | 13289.4 | 14812.8 | 16013.6 | 15995.7 | 15171.2 | 12993.7 | 13549.3 | 14517.1 | 14750.1 |
| 60° | 14929.3 | 14257.2 | 15906.1 | 16838.0 | 16793.2 | 15932.9 | 14006.3 | 14687.3 | 15574.5 | 15753.7 |
| 62.5° | 15431.1 | 15135.4 | 16390.0 | 17097.9 | 16927.6 | 16183.9 | 14866.6 | 15699.9 | 16327.2 | 16390.0 |
| 65° | 15350.5 | 15637.2 | 15825.4 | 16264.5 | 16022.6 | 15484.9 | 15287.7 | 16345.2 | 16407.9 | 16345.2 |
| 67.5° | 14741.1 | 15350.5 | 14275.1 | 14319.9 | 14194.5 | 13737.5 | 14633.6 | 16174.9 | 15744.8 | 15592.4 |
| 70° | 13818.1 | 13862.9 | 11936.3 | 11371.7 | 11568.9 | 10941.6 | 12554.6 | 14848.6 | 14185.5 | 13997.3 |
| 72.5° | 12285.7 | 11730.2 | 9023.9 | 8450.4 | 8746.1 | 8298.0 | 10072.3 | 12939.9 | 12294.7 | 11685.3 |
| 75° | 10305.3 | 9292.7 | 6873.2 | 6057.7 | 6210.1 | 6192.2 | 7805.2 | 10690.7 | 9525.7 | 8916.4 |
| 77.5° | 7984.4 | 7240.6 | 5072.0 | 4758.4 | 4597.1 | 4632.9 | 5448.4 | 7948.5 | 6909.1 | 6147.4 |
| 80° | 5833.7 | 5063.1 | 3925.0 | 4104.2 | 4014.6 | 3799.5 | 3817.5 | 5322.9 | 4803.2 | 4346.2 |
| 82.5° | 4032.5 | 3602.4 | 3181.2 | 3593.4 | 3378.4 | 3046.8 | 2975.1 | 3835.4 | 3602.4 | 3324.6 |
| 85° | 2706.3 | 2966.1 | 2527.0 | 2751.1 | 2383.7 | 2195.5 | 2795.9 | 3208.1 | 2589.8 | 2312.0 |
| 87.5° | 1765.3 | 2715.2 | 1819.1 | 1380.0 | 788.6 | 1057.4 | 1711.6 | 2105.9 | 1209.8 | 654.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)