

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: P598826

Luminaire Tested: **IFLD-S-SA3C-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598826
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

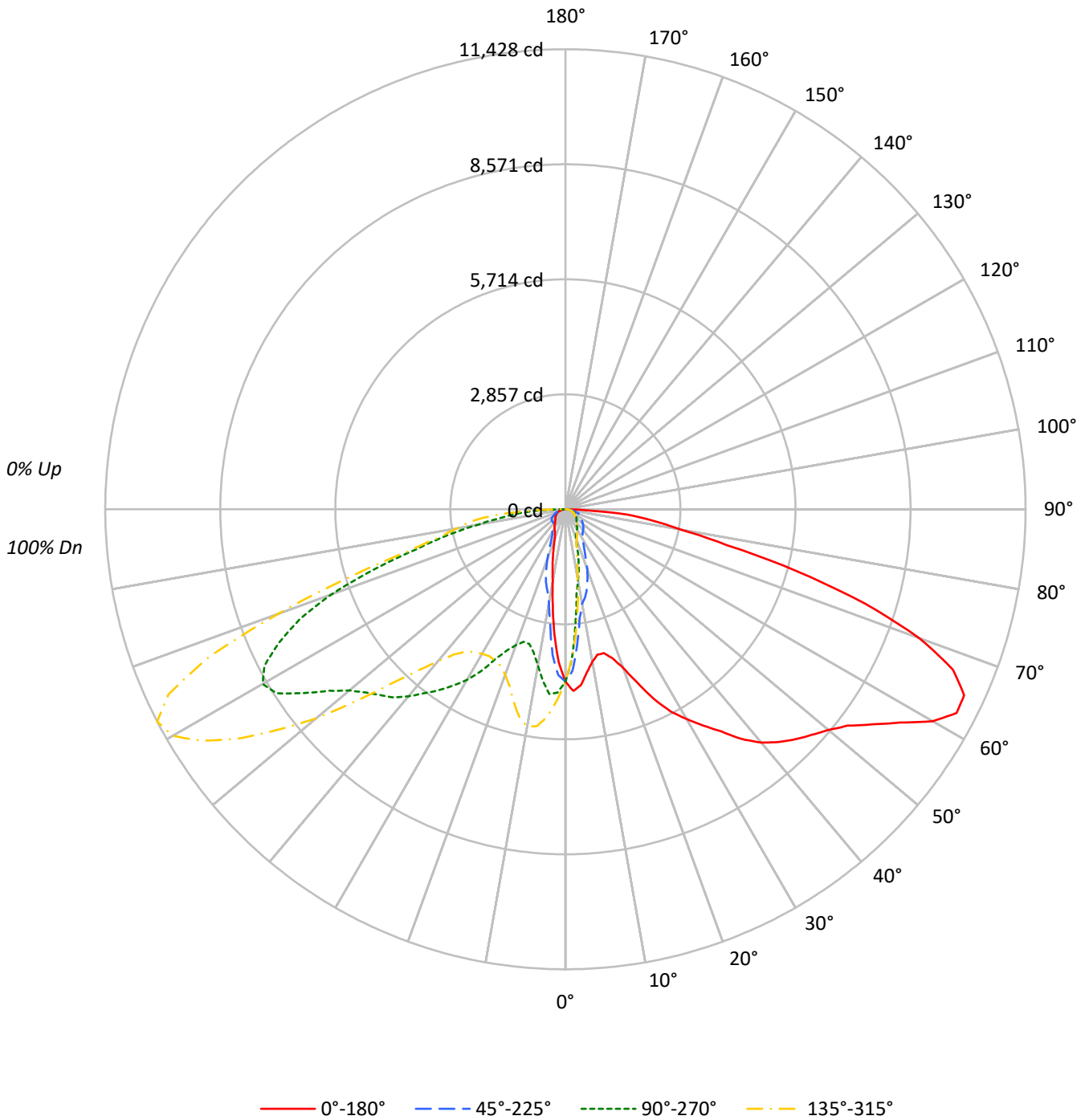
Lumens per Lamp: N/A
 Luminaire Lumens: 14316.2 lumens
 Efficiency: N/A
 Efficacy: 89.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 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 |

TEST NUMBER: P598826
CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

Luminous Intensity Polar Plot



TEST NUMBER: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

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° | 61376 | 61376 | 61376 | 61376 |
| 5° | 63163 | 41074 | 44871 | 66357 |
| 10° | 56039 | 26099 | 26360 | 57347 |
| 15° | 54998 | 18510 | 17531 | 51439 |
| 20° | 63943 | 11710 | 11801 | 54795 |
| 25° | 82232 | 10054 | 9769 | 64782 |
| 30° | 99657 | 9529 | 8934 | 81096 |
| 35° | 117951 | 8396 | 8080 | 96124 |
| 40° | 141727 | 7968 | 7406 | 113561 |
| 45° | 163995 | 7901 | 7173 | 132387 |
| 50° | 190434 | 8025 | 7221 | 156333 |
| 55° | 233045 | 8242 | 7344 | 199176 |
| 60° | 302239 | 8252 | 7736 | 249114 |
| 65° | 371004 | 8340 | 7933 | 266660 |
| 70° | 392585 | 8795 | 8296 | 259628 |
| 75° | 330468 | 9299 | 8301 | 211897 |
| 80° | 240088 | 10893 | 8414 | 183159 |
| 85° | 254464 | 15775 | 6900 | 190358 |

TEST NUMBER: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 331.0 | 2.3 |
| 10°-20° | 692.7 | 4.8 |
| 20°-30° | 998.2 | 7.0 |
| 30°-40° | 1437.0 | 10.0 |
| 40°-50° | 2041.2 | 14.3 |
| 50°-60° | 2934.6 | 20.5 |
| 60°-70° | 3390.5 | 23.7 |
| 70°-80° | 1919.8 | 13.4 |
| 80°-90° | 571.3 | 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° | 2021.8 | 14.1 |
| 0°-40° | 3458.9 | 24.2 |
| 0°-60° | 8434.7 | 58.9 |
| 0°-90° | 14316.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 14316.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|------|------|------|-------|-------|
| 0° | 4276 | 4276 | 4276 | 4276 | 4276 | |
| 5° | 4384 | 2851 | 3115 | 4606 | 4384 | 398 |
| 15° | 3702 | 1246 | 1180 | 3462 | 3702 | 1088 |
| 25° | 5193 | 635 | 617 | 4091 | 5193 | 2410 |
| 35° | 6732 | 479 | 461 | 5486 | 6732 | 4273 |
| 45° | 8080 | 389 | 353 | 6523 | 8080 | 6256 |
| 55° | 9314 | 329 | 294 | 7960 | 9314 | 8435 |
| 65° | 10925 | 246 | 234 | 7852 | 10925 | 10476 |
| 75° | 5960 | 168 | 150 | 3821 | 5960 | 6323 |
| 85° | 1545 | 96 | 42 | 1156 | 1545 | 1539 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 |
| 2.5° | 4516.1 | 4510.1 | 4474.2 | 4360.4 | 4240.6 | 4126.8 | 4019.0 | 3905.2 | 3845.3 | 3773.4 | 3743.5 |
| 5° | 4384.3 | 4372.4 | 4270.5 | 4019.0 | 3797.4 | 3557.8 | 3354.1 | 3192.4 | 3060.7 | 2928.9 | 2881.0 |
| 7.5° | 4084.9 | 4066.9 | 3947.1 | 3599.7 | 3276.3 | 2964.8 | 2719.2 | 2509.6 | 2335.9 | 2258.1 | 2168.2 |
| 10° | 3845.3 | 3815.3 | 3659.6 | 3276.3 | 2857.0 | 2545.6 | 2383.8 | 2240.1 | 2090.3 | 1964.6 | 1832.8 |
| 12.5° | 3695.5 | 3659.6 | 3497.9 | 3048.7 | 2641.4 | 2407.8 | 2240.1 | 2078.4 | 1892.7 | 1737.0 | 1593.2 |
| 15° | 3701.5 | 3659.6 | 3462.0 | 2988.8 | 2587.5 | 2288.0 | 2054.4 | 1832.8 | 1617.2 | 1443.5 | 1281.8 |
| 17.5° | 3875.2 | 3821.3 | 3611.7 | 3072.6 | 2545.6 | 2132.3 | 1820.8 | 1533.3 | 1287.8 | 1102.1 | 970.3 |
| 20° | 4186.7 | 4150.7 | 3911.2 | 3198.4 | 2503.6 | 1964.6 | 1581.2 | 1233.8 | 976.3 | 832.5 | 778.6 |
| 22.5° | 4653.9 | 4611.9 | 4354.4 | 3390.1 | 2491.6 | 1814.8 | 1323.7 | 970.3 | 784.6 | 724.7 | 694.8 |
| 25° | 5192.9 | 5115.1 | 4875.5 | 3713.5 | 2515.6 | 1677.1 | 1114.1 | 802.6 | 700.8 | 658.8 | 640.9 |
| 27.5° | 5660.1 | 5612.2 | 5342.7 | 4019.0 | 2527.6 | 1569.3 | 970.3 | 730.7 | 652.9 | 616.9 | 604.9 |
| 30° | 6013.5 | 5995.5 | 5732.0 | 4354.4 | 2497.6 | 1437.5 | 880.5 | 700.8 | 652.9 | 616.9 | 581.0 |
| 32.5° | 6366.9 | 6372.9 | 6091.4 | 4611.9 | 2455.7 | 1323.7 | 796.6 | 622.9 | 575.0 | 551.0 | 557.0 |
| 35° | 6732.2 | 6762.2 | 6522.6 | 4863.5 | 2365.9 | 1281.8 | 736.7 | 581.0 | 539.1 | 503.1 | 485.2 |
| 37.5° | 7193.4 | 7271.3 | 7037.7 | 5145.0 | 2276.0 | 1245.8 | 706.8 | 551.0 | 509.1 | 479.2 | 455.2 |
| 40° | 7564.8 | 7708.5 | 7570.8 | 5408.6 | 2216.1 | 1203.9 | 682.8 | 521.1 | 491.1 | 455.2 | 437.2 |
| 42.5° | 7840.3 | 8008.0 | 7960.1 | 5612.2 | 2216.1 | 1162.0 | 658.8 | 503.1 | 479.2 | 437.2 | 413.3 |
| 45° | 8079.9 | 8253.6 | 8247.6 | 5821.8 | 2264.0 | 1138.0 | 628.9 | 503.1 | 467.2 | 425.3 | 401.3 |
| 47.5° | 8295.5 | 8469.2 | 8529.1 | 6085.4 | 2341.9 | 1126.0 | 593.0 | 491.1 | 467.2 | 419.3 | 383.3 |
| 50° | 8529.1 | 8720.8 | 8900.4 | 6504.6 | 2437.7 | 1096.1 | 569.0 | 473.2 | 473.2 | 413.3 | 371.4 |
| 52.5° | 8828.6 | 9044.2 | 9373.6 | 7025.7 | 2533.6 | 1042.2 | 533.1 | 461.2 | 473.2 | 407.3 | 359.4 |
| 55° | 9313.7 | 9493.4 | 9924.7 | 7648.6 | 2653.4 | 976.3 | 503.1 | 431.2 | 449.2 | 389.3 | 341.4 |
| 57.5° | 9858.8 | 10014.5 | 10373.9 | 8127.8 | 2689.3 | 892.4 | 461.2 | 401.3 | 431.2 | 371.4 | 317.4 |
| 60° | 10529.6 | 10607.5 | 10607.5 | 8265.6 | 2569.5 | 814.6 | 431.2 | 377.3 | 389.3 | 353.4 | 299.5 |
| 62.5° | 10954.9 | 10954.9 | 10607.5 | 8014.0 | 2341.9 | 748.7 | 407.3 | 353.4 | 341.4 | 329.4 | 281.5 |
| 65° | 10924.9 | 10877.0 | 10361.9 | 7283.3 | 2078.4 | 706.8 | 383.3 | 323.4 | 305.5 | 299.5 | 263.5 |
| 67.5° | 10421.8 | 10337.9 | 9637.2 | 6253.1 | 1802.9 | 688.8 | 359.4 | 293.5 | 281.5 | 269.5 | 239.6 |
| 70° | 9355.7 | 9140.0 | 8277.5 | 5031.2 | 1533.3 | 676.8 | 353.4 | 269.5 | 257.6 | 245.6 | 221.6 |
| 72.5° | 7810.4 | 7534.8 | 6462.7 | 3869.2 | 1287.8 | 634.9 | 335.4 | 239.6 | 233.6 | 221.6 | 197.7 |
| 75° | 5959.6 | 5450.5 | 4510.1 | 2958.8 | 1000.3 | 551.0 | 287.5 | 209.6 | 209.6 | 203.6 | 179.7 |
| 77.5° | 4108.8 | 3845.3 | 3144.5 | 2186.2 | 730.7 | 425.3 | 233.6 | 185.7 | 185.7 | 191.7 | 167.7 |
| 80° | 2904.9 | 2659.4 | 2240.1 | 1569.3 | 461.2 | 287.5 | 179.7 | 155.7 | 173.7 | 185.7 | 155.7 |
| 82.5° | 2222.1 | 2042.4 | 1665.1 | 1144.0 | 269.5 | 197.7 | 137.8 | 125.8 | 149.7 | 161.7 | 131.8 |
| 85° | 1545.3 | 1329.7 | 844.5 | 766.7 | 155.7 | 119.8 | 101.8 | 101.8 | 131.8 | 161.7 | 119.8 |
| 87.5° | 437.2 | 185.7 | 53.9 | 227.6 | 65.9 | 47.9 | 35.9 | 24.0 | 35.9 | 35.9 | 24.0 |
| 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: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 |
| 2.5° | 3713.5 | 3677.6 | 3677.6 | 3665.6 | 3671.6 | 3677.6 | 3671.6 | 3713.5 | 3731.5 | 3755.4 | 3803.4 |
| 5° | 2851.0 | 2898.9 | 2863.0 | 2898.9 | 2946.9 | 3018.7 | 3036.7 | 3090.6 | 3096.6 | 3138.5 | 3114.6 |
| 7.5° | 2114.3 | 2108.3 | 2078.4 | 2120.3 | 2252.1 | 2353.9 | 2401.8 | 2431.8 | 2437.7 | 2437.7 | 2407.8 |
| 10° | 1790.9 | 1737.0 | 1683.1 | 1653.1 | 1665.1 | 1772.9 | 1808.8 | 1826.8 | 1814.8 | 1832.8 | 1808.8 |
| 12.5° | 1533.3 | 1485.4 | 1407.5 | 1353.6 | 1317.7 | 1347.6 | 1383.6 | 1401.6 | 1413.5 | 1443.5 | 1467.4 |
| 15° | 1245.8 | 1197.9 | 1150.0 | 1120.0 | 1090.1 | 1066.1 | 1096.1 | 1114.1 | 1144.0 | 1168.0 | 1179.9 |
| 17.5° | 946.3 | 922.4 | 898.4 | 916.4 | 916.4 | 904.4 | 916.4 | 922.4 | 934.4 | 952.3 | 946.3 |
| 20° | 766.7 | 760.7 | 754.7 | 784.6 | 808.6 | 808.6 | 820.6 | 802.6 | 796.6 | 778.6 | 772.7 |
| 22.5° | 682.8 | 682.8 | 688.8 | 712.8 | 736.7 | 748.7 | 748.7 | 718.7 | 688.8 | 676.8 | 682.8 |
| 25° | 634.9 | 634.9 | 652.9 | 658.8 | 670.8 | 670.8 | 676.8 | 646.9 | 628.9 | 610.9 | 616.9 |
| 27.5° | 599.0 | 599.0 | 604.9 | 604.9 | 610.9 | 610.9 | 616.9 | 604.9 | 581.0 | 575.0 | 575.0 |
| 30° | 575.0 | 575.0 | 569.0 | 569.0 | 569.0 | 569.0 | 575.0 | 557.0 | 545.0 | 539.1 | 539.1 |
| 32.5° | 551.0 | 545.0 | 539.1 | 539.1 | 533.1 | 533.1 | 539.1 | 521.1 | 515.1 | 515.1 | 515.1 |
| 35° | 479.2 | 473.2 | 479.2 | 491.1 | 491.1 | 497.1 | 497.1 | 491.1 | 479.2 | 467.2 | 461.2 |
| 37.5° | 449.2 | 443.2 | 443.2 | 443.2 | 455.2 | 461.2 | 467.2 | 455.2 | 437.2 | 419.3 | 419.3 |
| 40° | 425.3 | 425.3 | 419.3 | 419.3 | 419.3 | 431.2 | 443.2 | 425.3 | 401.3 | 395.3 | 395.3 |
| 42.5° | 407.3 | 401.3 | 395.3 | 389.3 | 383.3 | 401.3 | 413.3 | 389.3 | 377.3 | 377.3 | 377.3 |
| 45° | 389.3 | 383.3 | 377.3 | 371.4 | 365.4 | 371.4 | 383.3 | 359.4 | 353.4 | 353.4 | 353.4 |
| 47.5° | 371.4 | 365.4 | 353.4 | 347.4 | 341.4 | 341.4 | 353.4 | 335.4 | 329.4 | 335.4 | 335.4 |
| 50° | 359.4 | 347.4 | 335.4 | 329.4 | 323.4 | 323.4 | 323.4 | 317.4 | 317.4 | 317.4 | 323.4 |
| 52.5° | 347.4 | 335.4 | 317.4 | 311.5 | 305.5 | 305.5 | 305.5 | 305.5 | 299.5 | 305.5 | 311.5 |
| 55° | 329.4 | 317.4 | 305.5 | 299.5 | 293.5 | 287.5 | 293.5 | 287.5 | 287.5 | 293.5 | 293.5 |
| 57.5° | 305.5 | 293.5 | 281.5 | 281.5 | 275.5 | 275.5 | 281.5 | 275.5 | 275.5 | 281.5 | 281.5 |
| 60° | 287.5 | 275.5 | 263.5 | 263.5 | 257.6 | 263.5 | 269.5 | 263.5 | 263.5 | 263.5 | 269.5 |
| 62.5° | 263.5 | 257.6 | 245.6 | 245.6 | 245.6 | 245.6 | 251.6 | 245.6 | 251.6 | 251.6 | 251.6 |
| 65° | 245.6 | 233.6 | 227.6 | 227.6 | 227.6 | 227.6 | 239.6 | 227.6 | 233.6 | 233.6 | 233.6 |
| 67.5° | 227.6 | 215.6 | 209.6 | 209.6 | 209.6 | 209.6 | 221.6 | 209.6 | 215.6 | 221.6 | 215.6 |
| 70° | 209.6 | 197.7 | 191.7 | 191.7 | 191.7 | 191.7 | 197.7 | 191.7 | 191.7 | 197.7 | 197.7 |
| 72.5° | 185.7 | 179.7 | 173.7 | 173.7 | 167.7 | 173.7 | 179.7 | 173.7 | 173.7 | 173.7 | 173.7 |
| 75° | 167.7 | 161.7 | 161.7 | 155.7 | 155.7 | 155.7 | 161.7 | 149.7 | 149.7 | 149.7 | 149.7 |
| 77.5° | 155.7 | 143.7 | 143.7 | 143.7 | 137.8 | 143.7 | 137.8 | 125.8 | 125.8 | 125.8 | 125.8 |
| 80° | 131.8 | 119.8 | 125.8 | 125.8 | 119.8 | 119.8 | 113.8 | 101.8 | 101.8 | 101.8 | 101.8 |
| 82.5° | 107.8 | 95.8 | 101.8 | 101.8 | 101.8 | 101.8 | 89.8 | 83.9 | 77.9 | 71.9 | 71.9 |
| 85° | 95.8 | 77.9 | 89.8 | 89.8 | 83.9 | 83.9 | 59.9 | 59.9 | 47.9 | 47.9 | 41.9 |
| 87.5° | 18.0 | 12.0 | 24.0 | 29.9 | 29.9 | 35.9 | 24.0 | 29.9 | 18.0 | 12.0 | 12.0 |
| 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: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 |
| 2.5° | 3797.4 | 3863.3 | 3953.1 | 4019.0 | 4120.8 | 4198.7 | 4318.5 | 4420.3 | 4516.1 | 4558.0 | 4600.0 |
| 5° | 3186.4 | 3228.4 | 3366.1 | 3473.9 | 3635.6 | 3809.3 | 4025.0 | 4258.6 | 4498.1 | 4606.0 | 4731.7 |
| 7.5° | 2383.8 | 2461.7 | 2539.6 | 2695.3 | 2892.9 | 3174.5 | 3450.0 | 3797.4 | 4132.8 | 4294.5 | 4510.1 |
| 10° | 1850.8 | 1910.7 | 2000.5 | 2162.2 | 2347.9 | 2581.5 | 2910.9 | 3324.2 | 3725.5 | 3935.1 | 4156.7 |
| 12.5° | 1485.4 | 1569.3 | 1689.0 | 1856.8 | 2072.4 | 2312.0 | 2551.5 | 2934.9 | 3402.1 | 3641.6 | 3893.2 |
| 15° | 1203.9 | 1269.8 | 1401.6 | 1611.2 | 1862.7 | 2108.3 | 2359.9 | 2677.3 | 3186.4 | 3462.0 | 3761.4 |
| 17.5° | 958.3 | 1006.2 | 1126.0 | 1335.7 | 1587.2 | 1862.7 | 2150.2 | 2551.5 | 3114.6 | 3450.0 | 3803.4 |
| 20° | 778.6 | 814.6 | 892.4 | 1048.2 | 1287.8 | 1587.2 | 1946.6 | 2431.8 | 3156.5 | 3587.7 | 4019.0 |
| 22.5° | 682.8 | 694.8 | 730.7 | 814.6 | 1012.2 | 1329.7 | 1760.9 | 2329.9 | 3234.3 | 3791.4 | 4372.4 |
| 25° | 616.9 | 628.9 | 640.9 | 694.8 | 808.6 | 1108.1 | 1599.2 | 2270.0 | 3402.1 | 4090.9 | 4779.6 |
| 27.5° | 575.0 | 587.0 | 593.0 | 616.9 | 694.8 | 946.3 | 1461.4 | 2234.1 | 3629.7 | 4528.1 | 5282.8 |
| 30° | 539.1 | 539.1 | 557.0 | 593.0 | 646.9 | 832.5 | 1341.7 | 2150.2 | 3869.2 | 4893.5 | 5678.1 |
| 32.5° | 509.1 | 515.1 | 539.1 | 557.0 | 593.0 | 736.7 | 1221.9 | 2042.4 | 4084.9 | 5192.9 | 6067.4 |
| 35° | 455.2 | 455.2 | 461.2 | 491.1 | 539.1 | 658.8 | 1114.1 | 1934.6 | 4204.7 | 5486.4 | 6414.8 |
| 37.5° | 419.3 | 425.3 | 437.2 | 461.2 | 503.1 | 604.9 | 1024.2 | 1814.8 | 4330.4 | 5761.9 | 6822.1 |
| 40° | 395.3 | 401.3 | 413.3 | 437.2 | 479.2 | 557.0 | 946.3 | 1719.0 | 4462.2 | 6061.4 | 7259.3 |
| 42.5° | 377.3 | 383.3 | 395.3 | 419.3 | 455.2 | 545.0 | 862.5 | 1641.1 | 4540.1 | 6336.9 | 7672.6 |
| 45° | 359.4 | 365.4 | 383.3 | 407.3 | 437.2 | 533.1 | 814.6 | 1587.2 | 4570.0 | 6522.6 | 8002.0 |
| 47.5° | 341.4 | 347.4 | 365.4 | 401.3 | 437.2 | 515.1 | 796.6 | 1557.3 | 4594.0 | 6732.2 | 8265.6 |
| 50° | 323.4 | 335.4 | 359.4 | 395.3 | 443.2 | 491.1 | 784.6 | 1551.3 | 4731.7 | 7001.8 | 8517.1 |
| 52.5° | 311.5 | 329.4 | 353.4 | 395.3 | 437.2 | 455.2 | 778.6 | 1569.3 | 5007.3 | 7403.1 | 8876.5 |
| 55° | 299.5 | 317.4 | 341.4 | 395.3 | 419.3 | 425.3 | 748.7 | 1599.2 | 5426.5 | 7960.1 | 9385.6 |
| 57.5° | 287.5 | 299.5 | 329.4 | 383.3 | 395.3 | 401.3 | 688.8 | 1641.1 | 5845.8 | 8505.1 | 9906.7 |
| 60° | 269.5 | 281.5 | 311.5 | 383.3 | 359.4 | 377.3 | 610.9 | 1653.1 | 6145.3 | 8678.8 | 9954.6 |
| 62.5° | 251.6 | 263.5 | 293.5 | 395.3 | 329.4 | 353.4 | 545.0 | 1611.2 | 6205.2 | 8427.3 | 9685.1 |
| 65° | 233.6 | 245.6 | 269.5 | 329.4 | 305.5 | 329.4 | 503.1 | 1497.4 | 6007.5 | 7852.3 | 9193.9 |
| 67.5° | 215.6 | 227.6 | 245.6 | 269.5 | 275.5 | 299.5 | 485.2 | 1317.7 | 5510.4 | 7139.5 | 8523.1 |
| 70° | 191.7 | 203.6 | 221.6 | 239.6 | 245.6 | 281.5 | 455.2 | 1144.0 | 4707.8 | 6187.2 | 7702.5 |
| 72.5° | 173.7 | 179.7 | 197.7 | 209.6 | 221.6 | 257.6 | 437.2 | 1000.3 | 3599.7 | 5007.3 | 6283.0 |
| 75° | 149.7 | 149.7 | 167.7 | 179.7 | 191.7 | 227.6 | 401.3 | 832.5 | 2539.6 | 3821.3 | 4617.9 |
| 77.5° | 125.8 | 125.8 | 137.8 | 149.7 | 161.7 | 197.7 | 341.4 | 676.8 | 1760.9 | 3030.7 | 3348.2 |
| 80° | 95.8 | 95.8 | 107.8 | 119.8 | 131.8 | 167.7 | 275.5 | 497.1 | 1090.1 | 2216.1 | 2437.7 |
| 82.5° | 65.9 | 65.9 | 83.9 | 89.8 | 95.8 | 131.8 | 209.6 | 341.4 | 640.9 | 1599.2 | 1743.0 |
| 85° | 35.9 | 35.9 | 47.9 | 53.9 | 65.9 | 95.8 | 155.7 | 239.6 | 383.3 | 1156.0 | 1162.0 |
| 87.5° | 6.0 | 6.0 | 18.0 | 18.0 | 29.9 | 47.9 | 89.8 | 131.8 | 215.6 | 640.9 | 407.3 |
| 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: P598826
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 | 4276.5 |
| 2.5° | 4677.8 | 4743.7 | 4749.7 | 4749.7 | 4719.8 | 4725.7 | 4641.9 | 4552.0 | 4522.1 | 4516.1 |
| 5° | 4923.4 | 5097.1 | 5145.0 | 5169.0 | 5091.1 | 4971.3 | 4755.7 | 4522.1 | 4402.3 | 4384.3 |
| 7.5° | 4875.5 | 5222.9 | 5408.6 | 5432.5 | 5276.8 | 4995.3 | 4617.9 | 4258.6 | 4120.8 | 4084.9 |
| 10° | 4594.0 | 5061.2 | 5396.6 | 5480.4 | 5312.7 | 4953.3 | 4462.2 | 4042.9 | 3875.2 | 3845.3 |
| 12.5° | 4396.3 | 4845.5 | 5175.0 | 5288.8 | 5210.9 | 4899.4 | 4384.3 | 3905.2 | 3737.5 | 3695.5 |
| 15° | 4288.5 | 4701.8 | 4917.4 | 4953.3 | 4947.4 | 4815.6 | 4384.3 | 3935.1 | 3749.4 | 3701.5 |
| 17.5° | 4378.4 | 4659.9 | 4689.8 | 4606.0 | 4653.9 | 4719.8 | 4480.2 | 4096.8 | 3917.2 | 3875.2 |
| 20° | 4558.0 | 4641.9 | 4498.1 | 4372.4 | 4396.3 | 4606.0 | 4629.9 | 4402.3 | 4258.6 | 4186.7 |
| 22.5° | 4935.4 | 4707.8 | 4378.4 | 4204.7 | 4222.6 | 4516.1 | 4827.6 | 4815.6 | 4689.8 | 4653.9 |
| 25° | 5318.7 | 4893.5 | 4342.4 | 4138.8 | 4162.7 | 4498.1 | 5061.2 | 5276.8 | 5210.9 | 5192.9 |
| 27.5° | 5744.0 | 5204.9 | 4366.4 | 4108.8 | 4138.8 | 4522.1 | 5222.9 | 5666.1 | 5678.1 | 5660.1 |
| 30° | 6031.5 | 5354.6 | 4438.2 | 4144.8 | 4186.7 | 4582.0 | 5258.8 | 5899.7 | 6007.5 | 6013.5 |
| 32.5° | 6271.0 | 5504.4 | 4588.0 | 4204.7 | 4276.5 | 4689.8 | 5354.6 | 6121.3 | 6360.9 | 6366.9 |
| 35° | 6462.7 | 5672.1 | 4773.7 | 4312.5 | 4420.3 | 4869.5 | 5480.4 | 6330.9 | 6690.3 | 6732.2 |
| 37.5° | 6708.3 | 5857.8 | 4989.3 | 4546.1 | 4665.8 | 5127.0 | 5702.0 | 6576.5 | 7079.6 | 7193.4 |
| 40° | 6971.8 | 6043.4 | 5300.7 | 4923.4 | 5097.1 | 5510.4 | 5953.6 | 6852.0 | 7409.1 | 7564.8 |
| 42.5° | 7265.3 | 6241.1 | 5654.1 | 5432.5 | 5696.0 | 5995.5 | 6241.1 | 7103.6 | 7660.6 | 7840.3 |
| 45° | 7552.8 | 6480.7 | 6169.2 | 6127.3 | 6420.8 | 6570.5 | 6522.6 | 7283.3 | 7900.2 | 8079.9 |
| 47.5° | 7756.4 | 6828.1 | 6792.1 | 7043.7 | 7319.2 | 7241.3 | 6852.0 | 7415.0 | 8097.9 | 8295.5 |
| 50° | 7942.1 | 7259.3 | 7576.8 | 8067.9 | 8235.6 | 7972.1 | 7205.4 | 7594.7 | 8307.5 | 8529.1 |
| 52.5° | 8217.6 | 7720.5 | 8385.3 | 8996.3 | 9158.0 | 8738.7 | 7588.7 | 7888.2 | 8630.9 | 8828.6 |
| 55° | 8780.7 | 8241.6 | 9229.9 | 9930.6 | 9960.6 | 9439.5 | 8103.8 | 8385.3 | 9086.1 | 9313.7 |
| 57.5° | 9409.6 | 8882.5 | 9900.7 | 10703.3 | 10691.3 | 10140.3 | 8684.8 | 9056.2 | 9703.0 | 9858.8 |
| 60° | 9978.6 | 9529.4 | 10631.4 | 11254.3 | 11224.4 | 10649.4 | 9361.6 | 9816.8 | 10409.8 | 10529.6 |
| 62.5° | 10314.0 | 10116.3 | 10954.9 | 11428.0 | 11314.2 | 10817.1 | 9936.6 | 10493.7 | 10912.9 | 10954.9 |
| 65° | 10260.1 | 10451.7 | 10577.5 | 10871.0 | 10709.3 | 10349.9 | 10218.1 | 10924.9 | 10966.8 | 10924.9 |
| 67.5° | 9852.8 | 10260.1 | 9541.3 | 9571.3 | 9487.4 | 9182.0 | 9780.9 | 10811.1 | 10523.6 | 10421.8 |
| 70° | 9235.9 | 9265.8 | 7978.1 | 7600.7 | 7732.5 | 7313.2 | 8391.3 | 9924.7 | 9481.4 | 9355.7 |
| 72.5° | 8211.7 | 7840.3 | 6031.5 | 5648.1 | 5845.8 | 5546.3 | 6732.2 | 8648.9 | 8217.6 | 7810.4 |
| 75° | 6888.0 | 6211.1 | 4594.0 | 4048.9 | 4150.7 | 4138.8 | 5216.9 | 7145.5 | 6366.9 | 5959.6 |
| 77.5° | 5336.7 | 4839.5 | 3390.1 | 3180.4 | 3072.6 | 3096.6 | 3641.6 | 5312.7 | 4617.9 | 4108.8 |
| 80° | 3899.2 | 3384.1 | 2623.4 | 2743.2 | 2683.3 | 2539.6 | 2551.5 | 3557.8 | 3210.4 | 2904.9 |
| 82.5° | 2695.3 | 2407.8 | 2126.3 | 2401.8 | 2258.1 | 2036.4 | 1988.5 | 2563.5 | 2407.8 | 2222.1 |
| 85° | 1808.8 | 1982.5 | 1689.0 | 1838.8 | 1593.2 | 1467.4 | 1868.7 | 2144.3 | 1731.0 | 1545.3 |
| 87.5° | 1179.9 | 1814.8 | 1215.9 | 922.4 | 527.1 | 706.8 | 1144.0 | 1407.5 | 808.6 | 437.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)