

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: P598589

Luminaire Tested: **IFLD-S-SA2C-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598589
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

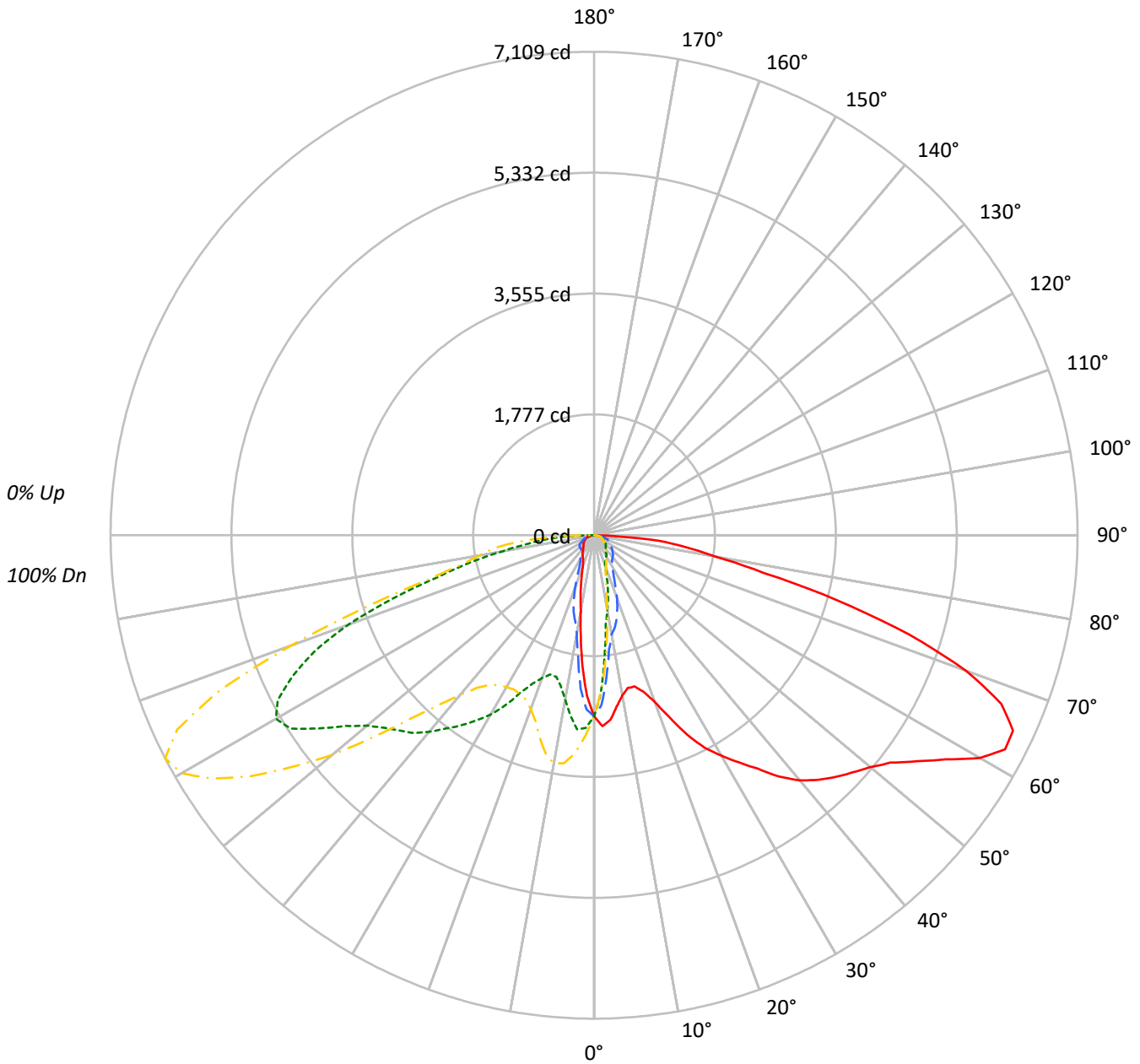
Lumens per Lamp: N/A
 Luminaire Lumens: 8905.2 lumens
 Efficiency: N/A
 Efficacy: 82.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 108.2
 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: P598589
CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - 90°-270° - · · - 135°-315°

TEST NUMBER: P598589
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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° | 57266 | 57266 | 57266 | 57266 |
| 5° | 58935 | 38323 | 41867 | 61915 |
| 10° | 52287 | 24352 | 24597 | 53509 |
| 15° | 51316 | 17270 | 16359 | 47996 |
| 20° | 59663 | 10926 | 11010 | 51127 |
| 25° | 76728 | 9380 | 9114 | 60445 |
| 30° | 92985 | 8892 | 8335 | 75666 |
| 35° | 110055 | 7834 | 7540 | 89688 |
| 40° | 132240 | 7433 | 6910 | 105958 |
| 45° | 153016 | 7374 | 6692 | 123524 |
| 50° | 177685 | 7485 | 6738 | 145865 |
| 55° | 217445 | 7690 | 6853 | 185843 |
| 60° | 282006 | 7698 | 7220 | 232436 |
| 65° | 346167 | 7784 | 7401 | 248807 |
| 70° | 366298 | 8208 | 7736 | 242243 |
| 75° | 308346 | 8675 | 7744 | 197712 |
| 80° | 224021 | 10166 | 7848 | 170898 |
| 85° | 237420 | 14721 | 6447 | 177621 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 205.9 | 2.3 |
| 10°-20° | 430.9 | 4.8 |
| 20°-30° | 620.9 | 7.0 |
| 30°-40° | 893.9 | 10.0 |
| 40°-50° | 1269.7 | 14.3 |
| 50°-60° | 1825.5 | 20.5 |
| 60°-70° | 2109.0 | 23.7 |
| 70°-80° | 1194.1 | 13.4 |
| 80°-90° | 355.4 | 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° | 1257.7 | 14.1 |
| 0°-40° | 2151.5 | 24.2 |
| 0°-60° | 5246.7 | 58.9 |
| 0°-90° | 8905.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8905.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2660 | 2660 | 2660 | 2660 | 2660 | |
| 5° | 2727 | 1773 | 1937 | 2865 | 2727 | 247 |
| 15° | 2302 | 775 | 734 | 2154 | 2302 | 677 |
| 25° | 3230 | 395 | 384 | 2545 | 3230 | 1499 |
| 35° | 4188 | 298 | 287 | 3413 | 4188 | 2658 |
| 45° | 5026 | 242 | 220 | 4057 | 5026 | 3892 |
| 55° | 5794 | 205 | 183 | 4952 | 5794 | 5247 |
| 65° | 6796 | 153 | 145 | 4884 | 6796 | 6517 |
| 75° | 3707 | 104 | 93 | 2377 | 3707 | 3933 |
| 85° | 961 | 60 | 26 | 719 | 961 | 957 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P598589
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 |
| 2.5° | 2809.2 | 2805.5 | 2783.1 | 2712.3 | 2637.8 | 2567.0 | 2499.9 | 2429.2 | 2391.9 | 2347.2 | 2328.6 |
| 5° | 2727.2 | 2719.8 | 2656.4 | 2499.9 | 2362.1 | 2213.1 | 2086.4 | 1985.8 | 1903.8 | 1821.9 | 1792.1 |
| 7.5° | 2540.9 | 2529.7 | 2455.2 | 2239.1 | 2038.0 | 1844.2 | 1691.5 | 1561.1 | 1453.0 | 1404.6 | 1348.7 |
| 10° | 2391.9 | 2373.3 | 2276.4 | 2038.0 | 1777.2 | 1583.4 | 1482.8 | 1393.4 | 1300.3 | 1222.0 | 1140.1 |
| 12.5° | 2298.8 | 2276.4 | 2175.8 | 1896.4 | 1643.0 | 1497.7 | 1393.4 | 1292.8 | 1177.3 | 1080.5 | 991.0 |
| 15° | 2302.5 | 2276.4 | 2153.5 | 1859.1 | 1609.5 | 1423.2 | 1277.9 | 1140.1 | 1005.9 | 897.9 | 797.3 |
| 17.5° | 2410.5 | 2377.0 | 2246.6 | 1911.3 | 1583.4 | 1326.3 | 1132.6 | 953.8 | 801.0 | 685.5 | 603.6 |
| 20° | 2604.3 | 2581.9 | 2432.9 | 1989.5 | 1557.3 | 1222.0 | 983.6 | 767.5 | 607.3 | 517.9 | 484.3 |
| 22.5° | 2894.9 | 2868.8 | 2708.6 | 2108.7 | 1549.9 | 1128.9 | 823.4 | 603.6 | 488.1 | 450.8 | 432.2 |
| 25° | 3230.2 | 3181.7 | 3032.7 | 2309.9 | 1564.8 | 1043.2 | 693.0 | 499.2 | 435.9 | 409.8 | 398.6 |
| 27.5° | 3520.8 | 3491.0 | 3323.3 | 2499.9 | 1572.2 | 976.1 | 603.6 | 454.5 | 406.1 | 383.7 | 376.3 |
| 30° | 3740.6 | 3729.4 | 3565.5 | 2708.6 | 1553.6 | 894.2 | 547.7 | 435.9 | 406.1 | 383.7 | 361.4 |
| 32.5° | 3960.4 | 3964.1 | 3789.0 | 2868.8 | 1527.5 | 823.4 | 495.5 | 387.5 | 357.7 | 342.8 | 346.5 |
| 35° | 4187.7 | 4206.3 | 4057.3 | 3025.3 | 1471.7 | 797.3 | 458.3 | 361.4 | 335.3 | 313.0 | 301.8 |
| 37.5° | 4474.6 | 4523.0 | 4377.7 | 3200.4 | 1415.8 | 774.9 | 439.6 | 342.8 | 316.7 | 298.1 | 283.2 |
| 40° | 4705.6 | 4795.0 | 4709.3 | 3364.3 | 1378.5 | 748.9 | 424.7 | 324.1 | 305.5 | 283.2 | 272.0 |
| 42.5° | 4876.9 | 4981.3 | 4951.5 | 3491.0 | 1378.5 | 722.8 | 409.8 | 313.0 | 298.1 | 272.0 | 257.1 |
| 45° | 5026.0 | 5134.0 | 5130.3 | 3621.4 | 1408.3 | 707.9 | 391.2 | 313.0 | 290.6 | 264.5 | 249.6 |
| 47.5° | 5160.1 | 5268.1 | 5305.4 | 3785.3 | 1456.7 | 700.4 | 368.8 | 305.5 | 290.6 | 260.8 | 238.4 |
| 50° | 5305.4 | 5424.6 | 5536.4 | 4046.1 | 1516.4 | 681.8 | 353.9 | 294.3 | 294.3 | 257.1 | 231.0 |
| 52.5° | 5491.7 | 5625.8 | 5830.7 | 4370.2 | 1576.0 | 648.3 | 331.6 | 286.9 | 294.3 | 253.3 | 223.5 |
| 55° | 5793.5 | 5905.2 | 6173.5 | 4757.7 | 1650.5 | 607.3 | 313.0 | 268.3 | 279.4 | 242.2 | 212.4 |
| 57.5° | 6132.5 | 6229.4 | 6452.9 | 5055.8 | 1672.8 | 555.1 | 286.9 | 249.6 | 268.3 | 231.0 | 197.5 |
| 60° | 6549.8 | 6598.2 | 6598.2 | 5141.5 | 1598.3 | 506.7 | 268.3 | 234.7 | 242.2 | 219.8 | 186.3 |
| 62.5° | 6814.3 | 6814.3 | 6598.2 | 4985.0 | 1456.7 | 465.7 | 253.3 | 219.8 | 212.4 | 204.9 | 175.1 |
| 65° | 6795.7 | 6765.9 | 6445.5 | 4530.4 | 1292.8 | 439.6 | 238.4 | 201.2 | 190.0 | 186.3 | 163.9 |
| 67.5° | 6482.7 | 6430.6 | 5994.6 | 3889.6 | 1121.4 | 428.5 | 223.5 | 182.6 | 175.1 | 167.7 | 149.0 |
| 70° | 5819.5 | 5685.4 | 5148.9 | 3129.6 | 953.8 | 421.0 | 219.8 | 167.7 | 160.2 | 152.8 | 137.9 |
| 72.5° | 4858.3 | 4686.9 | 4020.0 | 2406.8 | 801.0 | 394.9 | 208.6 | 149.0 | 145.3 | 137.9 | 122.9 |
| 75° | 3707.1 | 3390.4 | 2805.5 | 1840.5 | 622.2 | 342.8 | 178.8 | 130.4 | 130.4 | 126.7 | 111.8 |
| 77.5° | 2555.8 | 2391.9 | 1956.0 | 1359.9 | 454.5 | 264.5 | 145.3 | 115.5 | 115.5 | 119.2 | 104.3 |
| 80° | 1807.0 | 1654.2 | 1393.4 | 976.1 | 286.9 | 178.8 | 111.8 | 96.9 | 108.0 | 115.5 | 96.9 |
| 82.5° | 1382.2 | 1270.5 | 1035.7 | 711.6 | 167.7 | 122.9 | 85.7 | 78.2 | 93.1 | 100.6 | 82.0 |
| 85° | 961.2 | 827.1 | 525.3 | 476.9 | 96.9 | 74.5 | 63.3 | 63.3 | 82.0 | 100.6 | 74.5 |
| 87.5° | 272.0 | 115.5 | 33.5 | 141.6 | 41.0 | 29.8 | 22.4 | 14.9 | 22.4 | 22.4 | 14.9 |
| 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: P598589
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 |
| 2.5° | 2309.9 | 2287.6 | 2287.6 | 2280.1 | 2283.9 | 2287.6 | 2283.9 | 2309.9 | 2321.1 | 2336.0 | 2365.8 |
| 5° | 1773.4 | 1803.2 | 1780.9 | 1803.2 | 1833.0 | 1877.8 | 1888.9 | 1922.5 | 1926.2 | 1952.3 | 1937.4 |
| 7.5° | 1315.2 | 1311.4 | 1292.8 | 1318.9 | 1400.9 | 1464.2 | 1494.0 | 1512.6 | 1516.4 | 1516.4 | 1497.7 |
| 10° | 1114.0 | 1080.5 | 1046.9 | 1028.3 | 1035.7 | 1102.8 | 1125.2 | 1136.3 | 1128.9 | 1140.1 | 1125.2 |
| 12.5° | 953.8 | 924.0 | 875.5 | 842.0 | 819.7 | 838.3 | 860.6 | 871.8 | 879.3 | 897.9 | 912.8 |
| 15° | 774.9 | 745.1 | 715.3 | 696.7 | 678.1 | 663.2 | 681.8 | 693.0 | 711.6 | 726.5 | 734.0 |
| 17.5° | 588.7 | 573.8 | 558.9 | 570.0 | 570.0 | 562.6 | 570.0 | 573.8 | 581.2 | 592.4 | 588.7 |
| 20° | 476.9 | 473.2 | 469.4 | 488.1 | 503.0 | 503.0 | 510.4 | 499.2 | 495.5 | 484.3 | 480.6 |
| 22.5° | 424.7 | 424.7 | 428.5 | 443.4 | 458.3 | 465.7 | 465.7 | 447.1 | 428.5 | 421.0 | 424.7 |
| 25° | 394.9 | 394.9 | 406.1 | 409.8 | 417.3 | 417.3 | 421.0 | 402.4 | 391.2 | 380.0 | 383.7 |
| 27.5° | 372.6 | 372.6 | 376.3 | 376.3 | 380.0 | 380.0 | 383.7 | 376.3 | 361.4 | 357.7 | 357.7 |
| 30° | 357.7 | 357.7 | 353.9 | 353.9 | 353.9 | 353.9 | 357.7 | 346.5 | 339.0 | 335.3 | 335.3 |
| 32.5° | 342.8 | 339.0 | 335.3 | 335.3 | 331.6 | 331.6 | 335.3 | 324.1 | 320.4 | 320.4 | 320.4 |
| 35° | 298.1 | 294.3 | 298.1 | 305.5 | 305.5 | 309.2 | 309.2 | 305.5 | 298.1 | 290.6 | 286.9 |
| 37.5° | 279.4 | 275.7 | 275.7 | 275.7 | 283.2 | 286.9 | 290.6 | 283.2 | 272.0 | 260.8 | 260.8 |
| 40° | 264.5 | 264.5 | 260.8 | 260.8 | 260.8 | 268.3 | 275.7 | 264.5 | 249.6 | 245.9 | 245.9 |
| 42.5° | 253.3 | 249.6 | 245.9 | 242.2 | 238.4 | 249.6 | 257.1 | 242.2 | 234.7 | 234.7 | 234.7 |
| 45° | 242.2 | 238.4 | 234.7 | 231.0 | 227.3 | 231.0 | 238.4 | 223.5 | 219.8 | 219.8 | 219.8 |
| 47.5° | 231.0 | 227.3 | 219.8 | 216.1 | 212.4 | 212.4 | 219.8 | 208.6 | 204.9 | 208.6 | 208.6 |
| 50° | 223.5 | 216.1 | 208.6 | 204.9 | 201.2 | 201.2 | 201.2 | 197.5 | 197.5 | 197.5 | 201.2 |
| 52.5° | 216.1 | 208.6 | 197.5 | 193.7 | 190.0 | 190.0 | 190.0 | 190.0 | 186.3 | 190.0 | 193.7 |
| 55° | 204.9 | 197.5 | 190.0 | 186.3 | 182.6 | 178.8 | 182.6 | 178.8 | 178.8 | 182.6 | 182.6 |
| 57.5° | 190.0 | 182.6 | 175.1 | 175.1 | 171.4 | 171.4 | 175.1 | 171.4 | 171.4 | 175.1 | 175.1 |
| 60° | 178.8 | 171.4 | 163.9 | 163.9 | 160.2 | 163.9 | 167.7 | 163.9 | 163.9 | 163.9 | 167.7 |
| 62.5° | 163.9 | 160.2 | 152.8 | 152.8 | 152.8 | 152.8 | 156.5 | 152.8 | 156.5 | 156.5 | 156.5 |
| 65° | 152.8 | 145.3 | 141.6 | 141.6 | 141.6 | 141.6 | 149.0 | 141.6 | 145.3 | 145.3 | 145.3 |
| 67.5° | 141.6 | 134.1 | 130.4 | 130.4 | 130.4 | 130.4 | 137.9 | 130.4 | 134.1 | 137.9 | 134.1 |
| 70° | 130.4 | 122.9 | 119.2 | 119.2 | 119.2 | 119.2 | 122.9 | 119.2 | 119.2 | 122.9 | 122.9 |
| 72.5° | 115.5 | 111.8 | 108.0 | 108.0 | 104.3 | 108.0 | 111.8 | 108.0 | 108.0 | 108.0 | 108.0 |
| 75° | 104.3 | 100.6 | 100.6 | 96.9 | 96.9 | 96.9 | 100.6 | 93.1 | 93.1 | 93.1 | 93.1 |
| 77.5° | 96.9 | 89.4 | 89.4 | 89.4 | 85.7 | 89.4 | 85.7 | 78.2 | 78.2 | 78.2 | 78.2 |
| 80° | 82.0 | 74.5 | 78.2 | 78.2 | 74.5 | 74.5 | 70.8 | 63.3 | 63.3 | 63.3 | 63.3 |
| 82.5° | 67.1 | 59.6 | 63.3 | 63.3 | 63.3 | 63.3 | 55.9 | 52.2 | 48.4 | 44.7 | 44.7 |
| 85° | 59.6 | 48.4 | 55.9 | 55.9 | 52.2 | 52.2 | 37.3 | 37.3 | 29.8 | 29.8 | 26.1 |
| 87.5° | 11.2 | 7.5 | 14.9 | 18.6 | 18.6 | 22.4 | 14.9 | 18.6 | 11.2 | 7.5 | 7.5 |
| 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: P598589
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 |
| 2.5° | 2362.1 | 2403.1 | 2459.0 | 2499.9 | 2563.3 | 2611.7 | 2686.2 | 2749.6 | 2809.2 | 2835.3 | 2861.3 |
| 5° | 1982.1 | 2008.2 | 2093.8 | 2160.9 | 2261.5 | 2369.5 | 2503.7 | 2649.0 | 2798.0 | 2865.1 | 2943.3 |
| 7.5° | 1482.8 | 1531.3 | 1579.7 | 1676.6 | 1799.5 | 1974.6 | 2146.0 | 2362.1 | 2570.7 | 2671.3 | 2805.5 |
| 10° | 1151.2 | 1188.5 | 1244.4 | 1345.0 | 1460.5 | 1605.8 | 1810.7 | 2067.8 | 2317.4 | 2447.8 | 2585.6 |
| 12.5° | 924.0 | 976.1 | 1050.6 | 1155.0 | 1289.1 | 1438.1 | 1587.1 | 1825.6 | 2116.2 | 2265.2 | 2421.7 |
| 15° | 748.9 | 789.8 | 871.8 | 1002.2 | 1158.7 | 1311.4 | 1467.9 | 1665.4 | 1982.1 | 2153.5 | 2339.7 |
| 17.5° | 596.1 | 625.9 | 700.4 | 830.8 | 987.3 | 1158.7 | 1337.5 | 1587.1 | 1937.4 | 2146.0 | 2365.8 |
| 20° | 484.3 | 506.7 | 555.1 | 652.0 | 801.0 | 987.3 | 1210.9 | 1512.6 | 1963.4 | 2231.7 | 2499.9 |
| 22.5° | 424.7 | 432.2 | 454.5 | 506.7 | 629.6 | 827.1 | 1095.4 | 1449.3 | 2011.9 | 2358.4 | 2719.8 |
| 25° | 383.7 | 391.2 | 398.6 | 432.2 | 503.0 | 689.3 | 994.8 | 1412.0 | 2116.2 | 2544.7 | 2973.1 |
| 27.5° | 357.7 | 365.1 | 368.8 | 383.7 | 432.2 | 588.7 | 909.1 | 1389.7 | 2257.8 | 2816.6 | 3286.1 |
| 30° | 335.3 | 335.3 | 346.5 | 368.8 | 402.4 | 517.9 | 834.6 | 1337.5 | 2406.8 | 3043.9 | 3532.0 |
| 32.5° | 316.7 | 320.4 | 335.3 | 346.5 | 368.8 | 458.3 | 760.0 | 1270.5 | 2540.9 | 3230.2 | 3774.1 |
| 35° | 283.2 | 283.2 | 286.9 | 305.5 | 335.3 | 409.8 | 693.0 | 1203.4 | 2615.4 | 3412.7 | 3990.2 |
| 37.5° | 260.8 | 264.5 | 272.0 | 286.9 | 313.0 | 376.3 | 637.1 | 1128.9 | 2693.7 | 3584.1 | 4243.6 |
| 40° | 245.9 | 249.6 | 257.1 | 272.0 | 298.1 | 346.5 | 588.7 | 1069.3 | 2775.6 | 3770.4 | 4515.5 |
| 42.5° | 234.7 | 238.4 | 245.9 | 260.8 | 283.2 | 339.0 | 536.5 | 1020.8 | 2824.1 | 3941.8 | 4772.6 |
| 45° | 223.5 | 227.3 | 238.4 | 253.3 | 272.0 | 331.6 | 506.7 | 987.3 | 2842.7 | 4057.3 | 4977.5 |
| 47.5° | 212.4 | 216.1 | 227.3 | 249.6 | 272.0 | 320.4 | 495.5 | 968.7 | 2857.6 | 4187.7 | 5141.5 |
| 50° | 201.2 | 208.6 | 223.5 | 245.9 | 275.7 | 305.5 | 488.1 | 965.0 | 2943.3 | 4355.3 | 5297.9 |
| 52.5° | 193.7 | 204.9 | 219.8 | 245.9 | 272.0 | 283.2 | 484.3 | 976.1 | 3114.7 | 4605.0 | 5521.5 |
| 55° | 186.3 | 197.5 | 212.4 | 245.9 | 260.8 | 264.5 | 465.7 | 994.8 | 3375.5 | 4951.5 | 5838.2 |
| 57.5° | 178.8 | 186.3 | 204.9 | 238.4 | 245.9 | 249.6 | 428.5 | 1020.8 | 3636.3 | 5290.5 | 6162.3 |
| 60° | 167.7 | 175.1 | 193.7 | 238.4 | 223.5 | 234.7 | 380.0 | 1028.3 | 3822.6 | 5398.5 | 6192.1 |
| 62.5° | 156.5 | 163.9 | 182.6 | 245.9 | 204.9 | 219.8 | 339.0 | 1002.2 | 3859.8 | 5242.1 | 6024.5 |
| 65° | 145.3 | 152.8 | 167.7 | 204.9 | 190.0 | 204.9 | 313.0 | 931.4 | 3736.9 | 4884.4 | 5718.9 |
| 67.5° | 134.1 | 141.6 | 152.8 | 167.7 | 171.4 | 186.3 | 301.8 | 819.7 | 3427.6 | 4441.0 | 5301.7 |
| 70° | 119.2 | 126.7 | 137.9 | 149.0 | 152.8 | 175.1 | 283.2 | 711.6 | 2928.4 | 3848.6 | 4791.2 |
| 72.5° | 108.0 | 111.8 | 122.9 | 130.4 | 137.9 | 160.2 | 272.0 | 622.2 | 2239.1 | 3114.7 | 3908.3 |
| 75° | 93.1 | 93.1 | 104.3 | 111.8 | 119.2 | 141.6 | 249.6 | 517.9 | 1579.7 | 2377.0 | 2872.5 |
| 77.5° | 78.2 | 78.2 | 85.7 | 93.1 | 100.6 | 122.9 | 212.4 | 421.0 | 1095.4 | 1885.2 | 2082.7 |
| 80° | 59.6 | 59.6 | 67.1 | 74.5 | 82.0 | 104.3 | 171.4 | 309.2 | 678.1 | 1378.5 | 1516.4 |
| 82.5° | 41.0 | 41.0 | 52.2 | 55.9 | 59.6 | 82.0 | 130.4 | 212.4 | 398.6 | 994.8 | 1084.2 |
| 85° | 22.4 | 22.4 | 29.8 | 33.5 | 41.0 | 59.6 | 96.9 | 149.0 | 238.4 | 719.1 | 722.8 |
| 87.5° | 3.7 | 3.7 | 11.2 | 11.2 | 18.6 | 29.8 | 55.9 | 82.0 | 134.1 | 398.6 | 253.3 |
| 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: P598589
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 | 2660.1 |
| 2.5° | 2909.8 | 2950.8 | 2954.5 | 2954.5 | 2935.9 | 2939.6 | 2887.4 | 2831.5 | 2812.9 | 2809.2 |
| 5° | 3062.5 | 3170.6 | 3200.4 | 3215.3 | 3166.8 | 3092.3 | 2958.2 | 2812.9 | 2738.4 | 2727.2 |
| 7.5° | 3032.7 | 3248.8 | 3364.3 | 3379.2 | 3282.3 | 3107.2 | 2872.5 | 2649.0 | 2563.3 | 2540.9 |
| 10° | 2857.6 | 3148.2 | 3356.9 | 3409.0 | 3304.7 | 3081.2 | 2775.6 | 2514.8 | 2410.5 | 2391.9 |
| 12.5° | 2734.7 | 3014.1 | 3219.0 | 3289.8 | 3241.4 | 3047.6 | 2727.2 | 2429.2 | 2324.8 | 2298.8 |
| 15° | 2667.6 | 2924.7 | 3058.8 | 3081.2 | 3077.4 | 2995.5 | 2727.2 | 2447.8 | 2332.3 | 2302.5 |
| 17.5° | 2723.5 | 2898.6 | 2917.2 | 2865.1 | 2894.9 | 2935.9 | 2786.8 | 2548.4 | 2436.6 | 2410.5 |
| 20° | 2835.3 | 2887.4 | 2798.0 | 2719.8 | 2734.7 | 2865.1 | 2880.0 | 2738.4 | 2649.0 | 2604.3 |
| 22.5° | 3070.0 | 2928.4 | 2723.5 | 2615.4 | 2626.6 | 2809.2 | 3002.9 | 2995.5 | 2917.2 | 2894.9 |
| 25° | 3308.4 | 3043.9 | 2701.1 | 2574.5 | 2589.4 | 2798.0 | 3148.2 | 3282.3 | 3241.4 | 3230.2 |
| 27.5° | 3572.9 | 3237.6 | 2716.0 | 2555.8 | 2574.5 | 2812.9 | 3248.8 | 3524.5 | 3532.0 | 3520.8 |
| 30° | 3751.8 | 3330.8 | 2760.7 | 2578.2 | 2604.3 | 2850.2 | 3271.2 | 3669.8 | 3736.9 | 3740.6 |
| 32.5° | 3900.8 | 3423.9 | 2853.9 | 2615.4 | 2660.1 | 2917.2 | 3330.8 | 3807.7 | 3956.7 | 3960.4 |
| 35° | 4020.0 | 3528.2 | 2969.4 | 2682.5 | 2749.6 | 3029.0 | 3409.0 | 3938.1 | 4161.6 | 4187.7 |
| 37.5° | 4172.8 | 3643.7 | 3103.5 | 2827.8 | 2902.3 | 3189.2 | 3546.9 | 4090.8 | 4403.8 | 4474.6 |
| 40° | 4336.7 | 3759.2 | 3297.2 | 3062.5 | 3170.6 | 3427.6 | 3703.3 | 4262.2 | 4608.7 | 4705.6 |
| 42.5° | 4519.3 | 3882.2 | 3517.1 | 3379.2 | 3543.1 | 3729.4 | 3882.2 | 4418.7 | 4765.2 | 4876.9 |
| 45° | 4698.1 | 4031.2 | 3837.5 | 3811.4 | 3993.9 | 4087.1 | 4057.3 | 4530.4 | 4914.2 | 5026.0 |
| 47.5° | 4824.8 | 4247.3 | 4224.9 | 4381.4 | 4552.8 | 4504.4 | 4262.2 | 4612.4 | 5037.1 | 5160.1 |
| 50° | 4940.3 | 4515.5 | 4713.0 | 5018.5 | 5122.8 | 4958.9 | 4482.0 | 4724.2 | 5167.5 | 5305.4 |
| 52.5° | 5111.7 | 4802.4 | 5216.0 | 5596.0 | 5696.6 | 5435.8 | 4720.5 | 4906.7 | 5368.7 | 5491.7 |
| 55° | 5461.9 | 5126.6 | 5741.3 | 6177.2 | 6195.8 | 5871.7 | 5040.9 | 5216.0 | 5651.9 | 5793.5 |
| 57.5° | 5853.1 | 5525.2 | 6158.6 | 6657.8 | 6650.4 | 6307.6 | 5402.3 | 5633.3 | 6035.6 | 6132.5 |
| 60° | 6207.0 | 5927.6 | 6613.1 | 7000.6 | 6982.0 | 6624.3 | 5823.3 | 6106.4 | 6475.3 | 6549.8 |
| 62.5° | 6415.7 | 6292.7 | 6814.3 | 7108.6 | 7037.8 | 6728.6 | 6180.9 | 6527.4 | 6788.2 | 6814.3 |
| 65° | 6382.1 | 6501.3 | 6579.6 | 6762.1 | 6661.5 | 6438.0 | 6356.0 | 6795.7 | 6821.8 | 6795.7 |
| 67.5° | 6128.8 | 6382.1 | 5935.0 | 5953.7 | 5901.5 | 5711.5 | 6084.1 | 6724.9 | 6546.1 | 6482.7 |
| 70° | 5745.0 | 5763.7 | 4962.6 | 4727.9 | 4809.9 | 4549.1 | 5219.7 | 6173.5 | 5897.8 | 5819.5 |
| 72.5° | 5107.9 | 4876.9 | 3751.8 | 3513.3 | 3636.3 | 3450.0 | 4187.7 | 5379.9 | 5111.7 | 4858.3 |
| 75° | 4284.6 | 3863.5 | 2857.6 | 2518.6 | 2581.9 | 2574.5 | 3245.1 | 4444.8 | 3960.4 | 3707.1 |
| 77.5° | 3319.6 | 3010.4 | 2108.7 | 1978.3 | 1911.3 | 1926.2 | 2265.2 | 3304.7 | 2872.5 | 2555.8 |
| 80° | 2425.4 | 2105.0 | 1631.9 | 1706.4 | 1669.1 | 1579.7 | 1587.1 | 2213.1 | 1997.0 | 1807.0 |
| 82.5° | 1676.6 | 1497.7 | 1322.6 | 1494.0 | 1404.6 | 1266.7 | 1236.9 | 1594.6 | 1497.7 | 1382.2 |
| 85° | 1125.2 | 1233.2 | 1050.6 | 1143.8 | 991.0 | 912.8 | 1162.4 | 1333.8 | 1076.7 | 961.2 |
| 87.5° | 734.0 | 1128.9 | 756.3 | 573.8 | 327.9 | 439.6 | 711.6 | 875.5 | 503.0 | 272.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)