

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: P598622

Luminaire Tested: **IFLD-S-SA3B-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598622
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3B-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

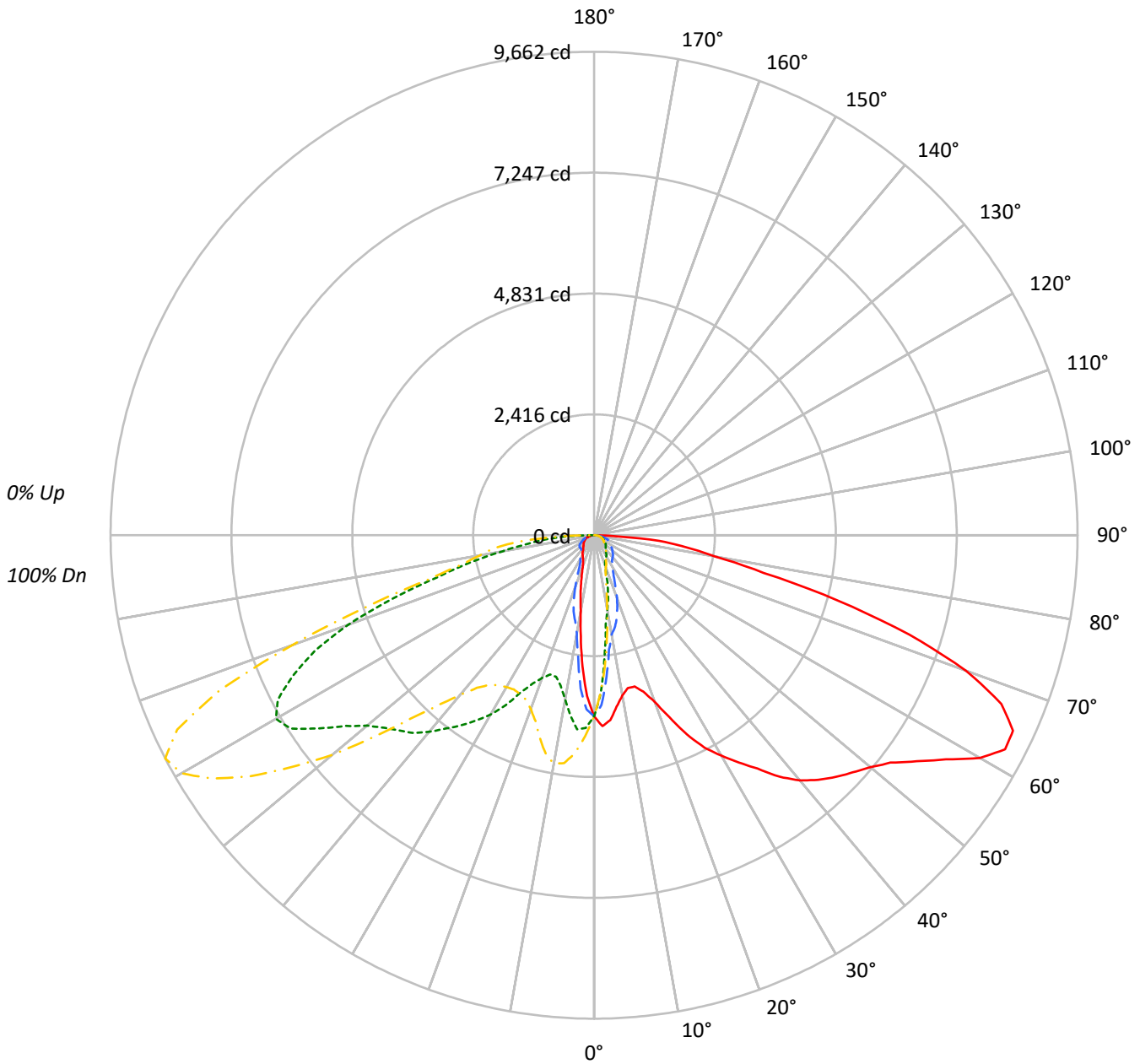
Lumens per Lamp: N/A
 Luminaire Lumens: 12104.0 lumens
 Efficiency: N/A
 Efficacy: 98.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 122.4
 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: P598622

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 51892 | 51892 | 51892 | 51892 |
| 5° | 53404 | 34727 | 37937 | 56103 |
| 10° | 47379 | 22065 | 22287 | 48487 |
| 15° | 46500 | 15650 | 14823 | 43490 |
| 20° | 54062 | 9900 | 9978 | 46327 |
| 25° | 69526 | 8501 | 8260 | 54770 |
| 30° | 84258 | 8056 | 7554 | 68564 |
| 35° | 99724 | 7098 | 6831 | 81270 |
| 40° | 119826 | 6735 | 6261 | 96013 |
| 45° | 138652 | 6682 | 6065 | 111930 |
| 50° | 161006 | 6783 | 6107 | 132175 |
| 55° | 197034 | 6969 | 6208 | 168399 |
| 60° | 255535 | 6978 | 6542 | 210620 |
| 65° | 313673 | 7050 | 6707 | 225453 |
| 70° | 331920 | 7436 | 7012 | 219508 |
| 75° | 279403 | 7863 | 7020 | 179152 |
| 80° | 202986 | 9207 | 7116 | 154860 |
| 85° | 215141 | 13338 | 5829 | 160948 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 279.8 | 2.3 |
| 10°-20° | 585.6 | 4.8 |
| 20°-30° | 844.0 | 7.0 |
| 30°-40° | 1215.0 | 10.0 |
| 40°-50° | 1725.8 | 14.3 |
| 50°-60° | 2481.2 | 20.5 |
| 60°-70° | 2866.6 | 23.7 |
| 70°-80° | 1623.1 | 13.4 |
| 80°-90° | 483.0 | 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° | 1709.4 | 14.1 |
| 0°-40° | 2924.4 | 24.2 |
| 0°-60° | 7131.3 | 58.9 |
| 0°-90° | 12104.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 12104.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3616 | 3616 | 3616 | 3616 | 3616 | |
| 5° | 3707 | 2410 | 2633 | 3894 | 3707 | 336 |
| 15° | 3130 | 1053 | 998 | 2927 | 3130 | 920 |
| 25° | 4390 | 537 | 522 | 3459 | 4390 | 2038 |
| 35° | 5692 | 405 | 390 | 4639 | 5692 | 3612 |
| 45° | 6831 | 329 | 299 | 5515 | 6831 | 5290 |
| 55° | 7874 | 278 | 248 | 6730 | 7874 | 7132 |
| 65° | 9237 | 208 | 198 | 6639 | 9237 | 8857 |
| 75° | 5039 | 142 | 127 | 3231 | 5039 | 5346 |
| 85° | 1306 | 81 | 35 | 977 | 1306 | 1301 |
| 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° | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 |
| 2.5° | 3818.3 | 3813.2 | 3782.8 | 3686.6 | 3585.3 | 3489.1 | 3397.9 | 3301.7 | 3251.1 | 3190.3 | 3165.0 |
| 5° | 3706.9 | 3696.7 | 3610.6 | 3397.9 | 3210.6 | 3008.0 | 2835.8 | 2699.1 | 2587.7 | 2476.3 | 2435.8 |
| 7.5° | 3453.7 | 3438.5 | 3337.2 | 3043.5 | 2770.0 | 2506.7 | 2299.1 | 2121.8 | 1975.0 | 1909.1 | 1833.2 |
| 10° | 3251.1 | 3225.8 | 3094.1 | 2770.0 | 2415.5 | 2152.2 | 2015.5 | 1893.9 | 1767.3 | 1661.0 | 1549.6 |
| 12.5° | 3124.5 | 3094.1 | 2957.4 | 2577.6 | 2233.2 | 2035.7 | 1893.9 | 1757.2 | 1600.2 | 1468.6 | 1347.0 |
| 15° | 3129.6 | 3094.1 | 2927.0 | 2526.9 | 2187.7 | 1934.4 | 1737.0 | 1549.6 | 1367.3 | 1220.4 | 1083.7 |
| 17.5° | 3276.4 | 3230.8 | 3053.6 | 2597.8 | 2152.2 | 1802.8 | 1539.5 | 1296.4 | 1088.8 | 931.8 | 820.4 |
| 20° | 3539.7 | 3509.4 | 3306.8 | 2704.2 | 2116.8 | 1661.0 | 1336.9 | 1043.2 | 825.4 | 703.9 | 658.3 |
| 22.5° | 3934.7 | 3899.3 | 3681.5 | 2866.2 | 2106.6 | 1534.4 | 1119.1 | 820.4 | 663.4 | 612.7 | 587.4 |
| 25° | 4390.5 | 4324.7 | 4122.1 | 3139.7 | 2126.9 | 1417.9 | 941.9 | 678.6 | 592.5 | 557.0 | 541.8 |
| 27.5° | 4785.5 | 4745.0 | 4517.1 | 3397.9 | 2137.0 | 1326.8 | 820.4 | 617.8 | 552.0 | 521.6 | 511.5 |
| 30° | 5084.3 | 5069.1 | 4846.3 | 3681.5 | 2111.7 | 1215.4 | 744.4 | 592.5 | 552.0 | 521.6 | 491.2 |
| 32.5° | 5383.0 | 5388.1 | 5150.1 | 3899.3 | 2076.2 | 1119.1 | 673.5 | 526.7 | 486.1 | 465.9 | 471.0 |
| 35° | 5691.9 | 5717.3 | 5514.7 | 4112.0 | 2000.3 | 1083.7 | 622.9 | 491.2 | 455.8 | 425.4 | 410.2 |
| 37.5° | 6081.9 | 6147.7 | 5950.2 | 4350.0 | 1924.3 | 1053.3 | 597.6 | 465.9 | 430.4 | 405.1 | 384.9 |
| 40° | 6395.8 | 6517.4 | 6400.9 | 4572.8 | 1873.7 | 1017.9 | 577.3 | 440.6 | 415.2 | 384.9 | 369.7 |
| 42.5° | 6628.8 | 6770.6 | 6730.1 | 4745.0 | 1873.7 | 982.4 | 557.0 | 425.4 | 405.1 | 369.7 | 349.4 |
| 45° | 6831.3 | 6978.2 | 6973.1 | 4922.2 | 1914.2 | 962.2 | 531.7 | 425.4 | 395.0 | 359.5 | 339.3 |
| 47.5° | 7013.6 | 7160.5 | 7211.1 | 5145.0 | 1980.0 | 952.0 | 501.3 | 415.2 | 395.0 | 354.5 | 324.1 |
| 50° | 7211.1 | 7373.2 | 7525.1 | 5499.5 | 2061.1 | 926.7 | 481.1 | 400.1 | 400.1 | 349.4 | 314.0 |
| 52.5° | 7464.3 | 7646.6 | 7925.2 | 5940.1 | 2142.1 | 881.1 | 450.7 | 389.9 | 400.1 | 344.4 | 303.8 |
| 55° | 7874.5 | 8026.4 | 8391.1 | 6466.7 | 2243.4 | 825.4 | 425.4 | 364.6 | 379.8 | 329.2 | 288.6 |
| 57.5° | 8335.4 | 8467.0 | 8770.9 | 6871.9 | 2273.7 | 754.5 | 389.9 | 339.3 | 364.6 | 314.0 | 268.4 |
| 60° | 8902.5 | 8968.4 | 8968.4 | 6988.3 | 2172.5 | 688.7 | 364.6 | 319.0 | 329.2 | 298.8 | 253.2 |
| 62.5° | 9262.1 | 9262.1 | 8968.4 | 6775.6 | 1980.0 | 633.0 | 344.4 | 298.8 | 288.6 | 278.5 | 238.0 |
| 65° | 9236.7 | 9196.2 | 8760.7 | 6157.8 | 1757.2 | 597.6 | 324.1 | 273.5 | 258.3 | 253.2 | 222.8 |
| 67.5° | 8811.4 | 8740.5 | 8148.0 | 5286.8 | 1524.3 | 582.4 | 303.8 | 248.1 | 238.0 | 227.9 | 202.6 |
| 70° | 7910.0 | 7727.7 | 6998.5 | 4253.8 | 1296.4 | 572.2 | 298.8 | 227.9 | 217.8 | 207.6 | 187.4 |
| 72.5° | 6603.5 | 6370.5 | 5464.1 | 3271.3 | 1088.8 | 536.8 | 283.6 | 202.6 | 197.5 | 187.4 | 167.1 |
| 75° | 5038.7 | 4608.2 | 3813.2 | 2501.6 | 845.7 | 465.9 | 243.1 | 177.2 | 177.2 | 172.2 | 151.9 |
| 77.5° | 3473.9 | 3251.1 | 2658.6 | 1848.4 | 617.8 | 359.5 | 197.5 | 157.0 | 157.0 | 162.0 | 141.8 |
| 80° | 2456.0 | 2248.4 | 1893.9 | 1326.8 | 389.9 | 243.1 | 151.9 | 131.7 | 146.9 | 157.0 | 131.7 |
| 82.5° | 1878.7 | 1726.8 | 1407.8 | 967.2 | 227.9 | 167.1 | 116.5 | 106.3 | 126.6 | 136.7 | 111.4 |
| 85° | 1306.5 | 1124.2 | 714.0 | 648.2 | 131.7 | 101.3 | 86.1 | 86.1 | 111.4 | 136.7 | 101.3 |
| 87.5° | 369.7 | 157.0 | 45.6 | 192.4 | 55.7 | 40.5 | 30.4 | 20.3 | 30.4 | 30.4 | 20.3 |
| 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° | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 |
| 2.5° | 3139.7 | 3109.3 | 3109.3 | 3099.2 | 3104.2 | 3109.3 | 3104.2 | 3139.7 | 3154.9 | 3175.1 | 3215.6 |
| 5° | 2410.5 | 2451.0 | 2420.6 | 2451.0 | 2491.5 | 2552.3 | 2567.5 | 2613.0 | 2618.1 | 2653.5 | 2633.3 |
| 7.5° | 1787.6 | 1782.5 | 1757.2 | 1792.7 | 1904.1 | 1990.2 | 2030.7 | 2056.0 | 2061.1 | 2061.1 | 2035.7 |
| 10° | 1514.1 | 1468.6 | 1423.0 | 1397.7 | 1407.8 | 1498.9 | 1529.3 | 1544.5 | 1534.4 | 1549.6 | 1529.3 |
| 12.5° | 1296.4 | 1255.9 | 1190.0 | 1144.5 | 1114.1 | 1139.4 | 1169.8 | 1185.0 | 1195.1 | 1220.4 | 1240.7 |
| 15° | 1053.3 | 1012.8 | 972.3 | 947.0 | 921.6 | 901.4 | 926.7 | 941.9 | 967.2 | 987.5 | 997.6 |
| 17.5° | 800.1 | 779.9 | 759.6 | 774.8 | 774.8 | 764.7 | 774.8 | 779.9 | 790.0 | 805.2 | 800.1 |
| 20° | 648.2 | 643.1 | 638.1 | 663.4 | 683.6 | 683.6 | 693.8 | 678.6 | 673.5 | 658.3 | 653.3 |
| 22.5° | 577.3 | 577.3 | 582.4 | 602.6 | 622.9 | 633.0 | 633.0 | 607.7 | 582.4 | 572.2 | 577.3 |
| 25° | 536.8 | 536.8 | 552.0 | 557.0 | 567.2 | 567.2 | 572.2 | 546.9 | 531.7 | 516.5 | 521.6 |
| 27.5° | 506.4 | 506.4 | 511.5 | 511.5 | 516.5 | 516.5 | 521.6 | 511.5 | 491.2 | 486.1 | 486.1 |
| 30° | 486.1 | 486.1 | 481.1 | 481.1 | 481.1 | 481.1 | 486.1 | 471.0 | 460.8 | 455.8 | 455.8 |
| 32.5° | 465.9 | 460.8 | 455.8 | 455.8 | 450.7 | 450.7 | 455.8 | 440.6 | 435.5 | 435.5 | 435.5 |
| 35° | 405.1 | 400.1 | 405.1 | 415.2 | 415.2 | 420.3 | 420.3 | 415.2 | 405.1 | 395.0 | 389.9 |
| 37.5° | 379.8 | 374.7 | 374.7 | 374.7 | 384.9 | 389.9 | 395.0 | 384.9 | 369.7 | 354.5 | 354.5 |
| 40° | 359.5 | 359.5 | 354.5 | 354.5 | 354.5 | 364.6 | 374.7 | 359.5 | 339.3 | 334.2 | 334.2 |
| 42.5° | 344.4 | 339.3 | 334.2 | 329.2 | 324.1 | 339.3 | 349.4 | 329.2 | 319.0 | 319.0 | 319.0 |
| 45° | 329.2 | 324.1 | 319.0 | 314.0 | 308.9 | 314.0 | 324.1 | 303.8 | 298.8 | 298.8 | 298.8 |
| 47.5° | 314.0 | 308.9 | 298.8 | 293.7 | 288.6 | 288.6 | 298.8 | 283.6 | 278.5 | 283.6 | 283.6 |
| 50° | 303.8 | 293.7 | 283.6 | 278.5 | 273.5 | 273.5 | 273.5 | 268.4 | 268.4 | 268.4 | 273.5 |
| 52.5° | 293.7 | 283.6 | 268.4 | 263.3 | 258.3 | 258.3 | 258.3 | 258.3 | 253.2 | 258.3 | 263.3 |
| 55° | 278.5 | 268.4 | 258.3 | 253.2 | 248.1 | 243.1 | 248.1 | 243.1 | 243.1 | 248.1 | 248.1 |
| 57.5° | 258.3 | 248.1 | 238.0 | 238.0 | 232.9 | 232.9 | 238.0 | 232.9 | 232.9 | 238.0 | 238.0 |
| 60° | 243.1 | 232.9 | 222.8 | 222.8 | 217.8 | 222.8 | 227.9 | 222.8 | 222.8 | 222.8 | 227.9 |
| 62.5° | 222.8 | 217.8 | 207.6 | 207.6 | 207.6 | 207.6 | 212.7 | 207.6 | 212.7 | 212.7 | 212.7 |
| 65° | 207.6 | 197.5 | 192.4 | 192.4 | 192.4 | 192.4 | 202.6 | 192.4 | 197.5 | 197.5 | 197.5 |
| 67.5° | 192.4 | 182.3 | 177.2 | 177.2 | 177.2 | 177.2 | 187.4 | 177.2 | 182.3 | 187.4 | 182.3 |
| 70° | 177.2 | 167.1 | 162.0 | 162.0 | 162.0 | 162.0 | 167.1 | 162.0 | 162.0 | 167.1 | 167.1 |
| 72.5° | 157.0 | 151.9 | 146.9 | 146.9 | 141.8 | 146.9 | 151.9 | 146.9 | 146.9 | 146.9 | 146.9 |
| 75° | 141.8 | 136.7 | 136.7 | 131.7 | 131.7 | 131.7 | 136.7 | 126.6 | 126.6 | 126.6 | 126.6 |
| 77.5° | 131.7 | 121.5 | 121.5 | 121.5 | 116.5 | 121.5 | 116.5 | 106.3 | 106.3 | 106.3 | 106.3 |
| 80° | 111.4 | 101.3 | 106.3 | 106.3 | 101.3 | 101.3 | 96.2 | 86.1 | 86.1 | 86.1 | 86.1 |
| 82.5° | 91.2 | 81.0 | 86.1 | 86.1 | 86.1 | 86.1 | 76.0 | 70.9 | 65.8 | 60.8 | 60.8 |
| 85° | 81.0 | 65.8 | 76.0 | 76.0 | 70.9 | 70.9 | 50.6 | 50.6 | 40.5 | 40.5 | 35.4 |
| 87.5° | 15.2 | 10.1 | 20.3 | 25.3 | 25.3 | 30.4 | 20.3 | 25.3 | 15.2 | 10.1 | 10.1 |
| 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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 CATALOG NUMBER: IFLD-S-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 |
| 2.5° | 3210.6 | 3266.3 | 3342.2 | 3397.9 | 3484.0 | 3549.9 | 3651.1 | 3737.2 | 3818.3 | 3853.7 | 3889.2 |
| 5° | 2694.1 | 2729.5 | 2846.0 | 2937.1 | 3073.9 | 3220.7 | 3403.0 | 3600.5 | 3803.1 | 3894.2 | 4000.6 |
| 7.5° | 2015.5 | 2081.3 | 2147.1 | 2278.8 | 2445.9 | 2683.9 | 2916.9 | 3210.6 | 3494.2 | 3630.9 | 3813.2 |
| 10° | 1564.8 | 1615.4 | 1691.4 | 1828.1 | 1985.1 | 2182.6 | 2461.1 | 2810.5 | 3149.8 | 3327.1 | 3514.4 |
| 12.5° | 1255.9 | 1326.8 | 1428.0 | 1569.8 | 1752.1 | 1954.7 | 2157.3 | 2481.4 | 2876.4 | 3078.9 | 3291.6 |
| 15° | 1017.9 | 1073.6 | 1185.0 | 1362.2 | 1574.9 | 1782.5 | 1995.2 | 2263.6 | 2694.1 | 2927.0 | 3180.2 |
| 17.5° | 810.2 | 850.8 | 952.0 | 1129.3 | 1342.0 | 1574.9 | 1818.0 | 2157.3 | 2633.3 | 2916.9 | 3215.6 |
| 20° | 658.3 | 688.7 | 754.5 | 886.2 | 1088.8 | 1342.0 | 1645.8 | 2056.0 | 2668.7 | 3033.3 | 3397.9 |
| 22.5° | 577.3 | 587.4 | 617.8 | 688.7 | 855.8 | 1124.2 | 1488.8 | 1969.9 | 2734.6 | 3205.5 | 3696.7 |
| 25° | 521.6 | 531.7 | 541.8 | 587.4 | 683.6 | 936.8 | 1352.1 | 1919.3 | 2876.4 | 3458.7 | 4041.1 |
| 27.5° | 486.1 | 496.3 | 501.3 | 521.6 | 587.4 | 800.1 | 1235.6 | 1888.9 | 3068.8 | 3828.4 | 4466.5 |
| 30° | 455.8 | 455.8 | 471.0 | 501.3 | 546.9 | 703.9 | 1134.3 | 1818.0 | 3271.3 | 4137.3 | 4800.7 |
| 32.5° | 430.4 | 435.5 | 455.8 | 471.0 | 501.3 | 622.9 | 1033.1 | 1726.8 | 3453.7 | 4390.5 | 5129.8 |
| 35° | 384.9 | 384.9 | 389.9 | 415.2 | 455.8 | 557.0 | 941.9 | 1635.7 | 3554.9 | 4638.6 | 5423.5 |
| 37.5° | 354.5 | 359.5 | 369.7 | 389.9 | 425.4 | 511.5 | 865.9 | 1534.4 | 3661.3 | 4871.6 | 5767.9 |
| 40° | 334.2 | 339.3 | 349.4 | 369.7 | 405.1 | 471.0 | 800.1 | 1453.4 | 3772.7 | 5124.8 | 6137.6 |
| 42.5° | 319.0 | 324.1 | 334.2 | 354.5 | 384.9 | 460.8 | 729.2 | 1387.5 | 3838.5 | 5357.7 | 6487.0 |
| 45° | 303.8 | 308.9 | 324.1 | 344.4 | 369.7 | 450.7 | 688.7 | 1342.0 | 3863.8 | 5514.7 | 6765.5 |
| 47.5° | 288.6 | 293.7 | 308.9 | 339.3 | 369.7 | 435.5 | 673.5 | 1316.6 | 3884.1 | 5691.9 | 6988.3 |
| 50° | 273.5 | 283.6 | 303.8 | 334.2 | 374.7 | 415.2 | 663.4 | 1311.6 | 4000.6 | 5919.8 | 7201.0 |
| 52.5° | 263.3 | 278.5 | 298.8 | 334.2 | 369.7 | 384.9 | 658.3 | 1326.8 | 4233.5 | 6259.1 | 7504.9 |
| 55° | 253.2 | 268.4 | 288.6 | 334.2 | 354.5 | 359.5 | 633.0 | 1352.1 | 4588.0 | 6730.1 | 7935.3 |
| 57.5° | 243.1 | 253.2 | 278.5 | 324.1 | 334.2 | 339.3 | 582.4 | 1387.5 | 4942.5 | 7190.9 | 8375.9 |
| 60° | 227.9 | 238.0 | 263.3 | 324.1 | 303.8 | 319.0 | 516.5 | 1397.7 | 5195.7 | 7337.7 | 8416.4 |
| 62.5° | 212.7 | 222.8 | 248.1 | 334.2 | 278.5 | 298.8 | 460.8 | 1362.2 | 5246.3 | 7125.1 | 8188.5 |
| 65° | 197.5 | 207.6 | 227.9 | 278.5 | 258.3 | 278.5 | 425.4 | 1266.0 | 5079.2 | 6638.9 | 7773.2 |
| 67.5° | 182.3 | 192.4 | 207.6 | 227.9 | 232.9 | 253.2 | 410.2 | 1114.1 | 4658.9 | 6036.3 | 7206.1 |
| 70° | 162.0 | 172.2 | 187.4 | 202.6 | 207.6 | 238.0 | 384.9 | 967.2 | 3980.3 | 5231.1 | 6512.3 |
| 72.5° | 146.9 | 151.9 | 167.1 | 177.2 | 187.4 | 217.8 | 369.7 | 845.7 | 3043.5 | 4233.5 | 5312.1 |
| 75° | 126.6 | 126.6 | 141.8 | 151.9 | 162.0 | 192.4 | 339.3 | 703.9 | 2147.1 | 3230.8 | 3904.3 |
| 77.5° | 106.3 | 106.3 | 116.5 | 126.6 | 136.7 | 167.1 | 288.6 | 572.2 | 1488.8 | 2562.4 | 2830.8 |
| 80° | 81.0 | 81.0 | 91.2 | 101.3 | 111.4 | 141.8 | 232.9 | 420.3 | 921.6 | 1873.7 | 2061.1 |
| 82.5° | 55.7 | 55.7 | 70.9 | 76.0 | 81.0 | 111.4 | 177.2 | 288.6 | 541.8 | 1352.1 | 1473.6 |
| 85° | 30.4 | 30.4 | 40.5 | 45.6 | 55.7 | 81.0 | 131.7 | 202.6 | 324.1 | 977.4 | 982.4 |
| 87.5° | 5.1 | 5.1 | 15.2 | 15.2 | 25.3 | 40.5 | 76.0 | 111.4 | 182.3 | 541.8 | 344.4 |
| 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: P598622
 CATALOG NUMBER: IFLD-S-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 | 3615.7 |
| 2.5° | 3955.0 | 4010.7 | 4015.8 | 4015.8 | 3990.4 | 3995.5 | 3924.6 | 3848.6 | 3823.3 | 3818.3 |
| 5° | 4162.6 | 4309.5 | 4350.0 | 4370.2 | 4304.4 | 4203.1 | 4020.8 | 3823.3 | 3722.0 | 3706.9 |
| 7.5° | 4122.1 | 4415.8 | 4572.8 | 4593.1 | 4461.4 | 4223.4 | 3904.3 | 3600.5 | 3484.0 | 3453.7 |
| 10° | 3884.1 | 4279.1 | 4562.7 | 4633.6 | 4491.8 | 4187.9 | 3772.7 | 3418.2 | 3276.4 | 3251.1 |
| 12.5° | 3717.0 | 4096.8 | 4375.3 | 4471.5 | 4405.7 | 4142.4 | 3706.9 | 3301.7 | 3159.9 | 3124.5 |
| 15° | 3625.8 | 3975.2 | 4157.5 | 4187.9 | 4182.9 | 4071.5 | 3706.9 | 3327.1 | 3170.1 | 3129.6 |
| 17.5° | 3701.8 | 3939.8 | 3965.1 | 3894.2 | 3934.7 | 3990.4 | 3787.9 | 3463.8 | 3311.9 | 3276.4 |
| 20° | 3853.7 | 3924.6 | 3803.1 | 3696.7 | 3717.0 | 3894.2 | 3914.5 | 3722.0 | 3600.5 | 3539.7 |
| 22.5° | 4172.7 | 3980.3 | 3701.8 | 3554.9 | 3570.1 | 3818.3 | 4081.6 | 4071.5 | 3965.1 | 3934.7 |
| 25° | 4496.8 | 4137.3 | 3671.4 | 3499.2 | 3519.5 | 3803.1 | 4279.1 | 4461.4 | 4405.7 | 4390.5 |
| 27.5° | 4856.4 | 4400.6 | 3691.7 | 3473.9 | 3499.2 | 3823.3 | 4415.8 | 4790.5 | 4800.7 | 4785.5 |
| 30° | 5099.5 | 4527.2 | 3752.4 | 3504.3 | 3539.7 | 3874.0 | 4446.2 | 4988.0 | 5079.2 | 5084.3 |
| 32.5° | 5302.0 | 4653.8 | 3879.0 | 3554.9 | 3615.7 | 3965.1 | 4527.2 | 5175.4 | 5378.0 | 5383.0 |
| 35° | 5464.1 | 4795.6 | 4036.0 | 3646.1 | 3737.2 | 4117.0 | 4633.6 | 5352.7 | 5656.5 | 5691.9 |
| 37.5° | 5671.7 | 4952.6 | 4218.3 | 3843.6 | 3944.9 | 4334.8 | 4820.9 | 5560.3 | 5985.7 | 6081.9 |
| 40° | 5894.5 | 5109.6 | 4481.6 | 4162.6 | 4309.5 | 4658.9 | 5033.6 | 5793.2 | 6264.2 | 6395.8 |
| 42.5° | 6142.6 | 5276.7 | 4780.4 | 4593.1 | 4815.9 | 5069.1 | 5276.7 | 6005.9 | 6476.9 | 6628.8 |
| 45° | 6385.7 | 5479.3 | 5215.9 | 5180.5 | 5428.6 | 5555.2 | 5514.7 | 6157.8 | 6679.4 | 6831.3 |
| 47.5° | 6557.9 | 5773.0 | 5742.6 | 5955.3 | 6188.2 | 6122.4 | 5793.2 | 6269.2 | 6846.5 | 7013.6 |
| 50° | 6714.9 | 6137.6 | 6406.0 | 6821.2 | 6963.0 | 6740.2 | 6092.0 | 6421.2 | 7023.8 | 7211.1 |
| 52.5° | 6947.8 | 6527.5 | 7089.6 | 7606.1 | 7742.9 | 7388.4 | 6416.1 | 6669.3 | 7297.2 | 7464.3 |
| 55° | 7423.8 | 6968.1 | 7803.6 | 8396.1 | 8421.4 | 7980.9 | 6851.6 | 7089.6 | 7682.1 | 7874.5 |
| 57.5° | 7955.6 | 7509.9 | 8370.8 | 9049.4 | 9039.2 | 8573.4 | 7342.8 | 7656.8 | 8203.7 | 8335.4 |
| 60° | 8436.6 | 8056.8 | 8988.6 | 9515.3 | 9489.9 | 9003.8 | 7915.0 | 8299.9 | 8801.2 | 8902.5 |
| 62.5° | 8720.2 | 8553.1 | 9262.1 | 9662.1 | 9565.9 | 9145.6 | 8401.2 | 8872.1 | 9226.6 | 9262.1 |
| 65° | 8674.6 | 8836.7 | 8943.0 | 9191.2 | 9054.4 | 8750.6 | 8639.2 | 9236.7 | 9272.2 | 9236.7 |
| 67.5° | 8330.3 | 8674.6 | 8067.0 | 8092.3 | 8021.4 | 7763.1 | 8269.5 | 9140.5 | 8897.5 | 8811.4 |
| 70° | 7808.7 | 7834.0 | 6745.3 | 6426.2 | 6537.6 | 6183.2 | 7094.7 | 8391.1 | 8016.3 | 7910.0 |
| 72.5° | 6942.8 | 6628.8 | 5099.5 | 4775.4 | 4942.5 | 4689.3 | 5691.9 | 7312.4 | 6947.8 | 6603.5 |
| 75° | 5823.6 | 5251.4 | 3884.1 | 3423.3 | 3509.4 | 3499.2 | 4410.7 | 6041.4 | 5383.0 | 5038.7 |
| 77.5° | 4512.0 | 4091.7 | 2866.2 | 2689.0 | 2597.8 | 2618.1 | 3078.9 | 4491.8 | 3904.3 | 3473.9 |
| 80° | 3296.7 | 2861.2 | 2218.0 | 2319.3 | 2268.7 | 2147.1 | 2157.3 | 3008.0 | 2714.3 | 2456.0 |
| 82.5° | 2278.8 | 2035.7 | 1797.7 | 2030.7 | 1909.1 | 1721.8 | 1681.2 | 2167.4 | 2035.7 | 1878.7 |
| 85° | 1529.3 | 1676.2 | 1428.0 | 1554.6 | 1347.0 | 1240.7 | 1580.0 | 1812.9 | 1463.5 | 1306.5 |
| 87.5° | 997.6 | 1534.4 | 1028.0 | 779.9 | 445.6 | 597.6 | 967.2 | 1190.0 | 683.6 | 369.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)