

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: P599401

Luminaire Tested: **IFLD-S-SA2C-727-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599401
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

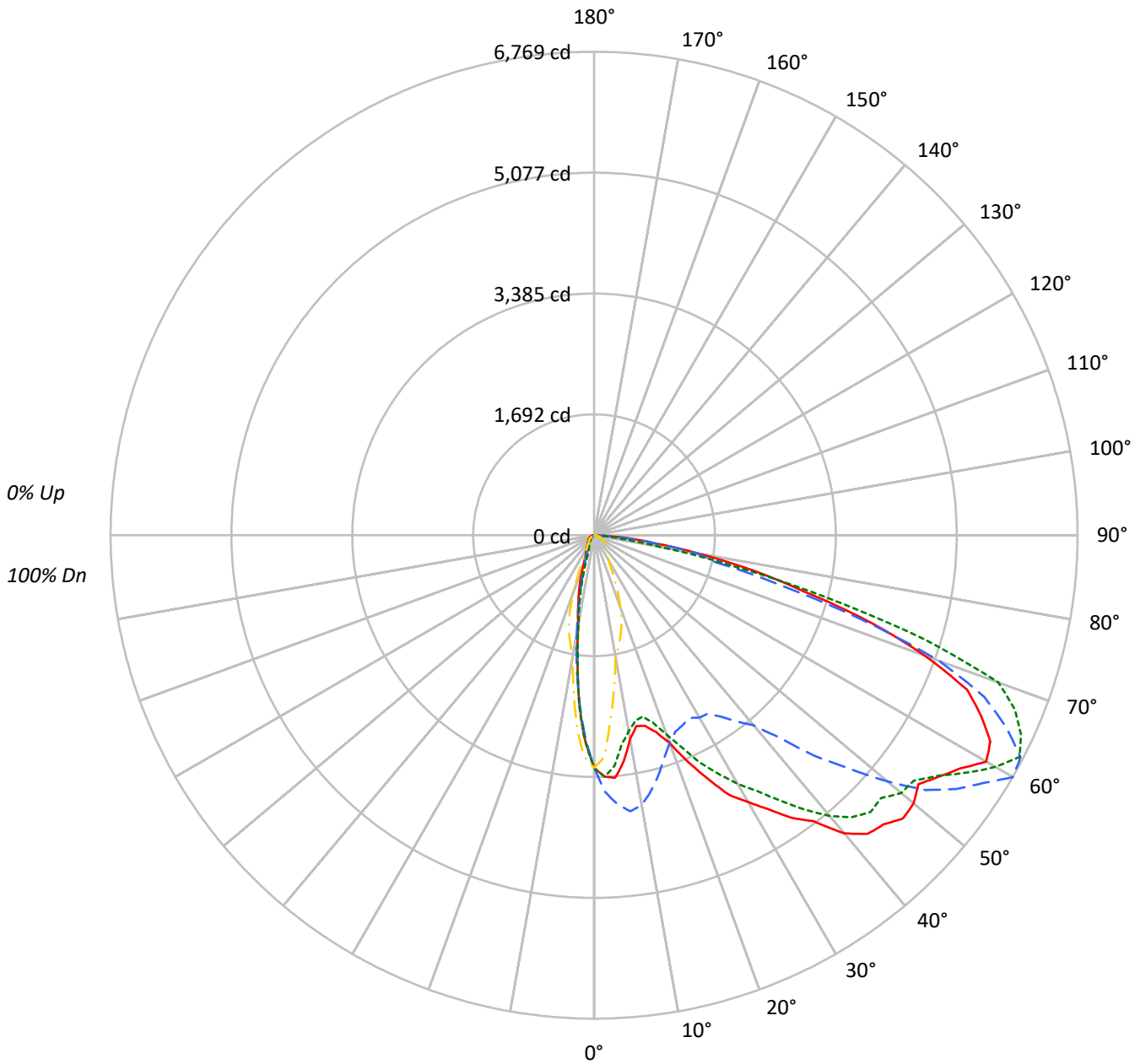
Lumens per Lamp: N/A
 Luminaire Lumens: 8657.5 lumens
 Efficiency: N/A
 Efficacy: 80.0 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 108.2
 Input Voltage (V): 120
 Input Current (A_{in}): 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: P599401
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Luminous Intensity Polar Plot



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

TEST NUMBER: P599401
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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 | 106 | 100 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 90 | 86 | 90 | 86 | 83 | 86 | 83 | 81 | 79 | | | | |
| 2 | 94 | 84 | 76 | 69 | 91 | 82 | 75 | 68 | 78 | 72 | 66 | 75 | 70 | 65 | 72 | 67 | 63 | 61 | | | | |
| 3 | 84 | 72 | 62 | 54 | 81 | 70 | 61 | 53 | 67 | 59 | 52 | 64 | 57 | 51 | 61 | 55 | 50 | 48 | | | | |
| 4 | 76 | 62 | 51 | 44 | 73 | 60 | 51 | 43 | 58 | 49 | 43 | 55 | 48 | 42 | 53 | 46 | 41 | 39 | | | | |
| 5 | 69 | 54 | 44 | 36 | 67 | 53 | 43 | 36 | 51 | 42 | 35 | 48 | 41 | 35 | 46 | 40 | 34 | 32 | | | | |
| 6 | 63 | 48 | 38 | 30 | 61 | 47 | 37 | 30 | 45 | 36 | 30 | 43 | 35 | 30 | 41 | 35 | 29 | 27 | | | | |
| 7 | 58 | 43 | 33 | 26 | 56 | 42 | 33 | 26 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 25 | 23 | | | | |
| 8 | 54 | 39 | 29 | 23 | 52 | 38 | 29 | 23 | 37 | 28 | 23 | 35 | 28 | 22 | 34 | 27 | 22 | 20 | | | | |
| 9 | 50 | 35 | 26 | 20 | 49 | 35 | 26 | 20 | 34 | 26 | 20 | 32 | 25 | 20 | 31 | 25 | 20 | 18 | | | | |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 70077 | 70077 | 70077 | 70077 |
| 5° | 73643 | 70094 | 51209 | 51510 |
| 10° | 63324 | 60900 | 27998 | 27340 |
| 15° | 61573 | 58533 | 18189 | 13707 |
| 20° | 70973 | 68007 | 9746 | 4873 |
| 25° | 89239 | 83472 | 6316 | 3789 |
| 30° | 107181 | 99883 | 5116 | 3102 |
| 35° | 126925 | 119085 | 4192 | 2491 |
| 40° | 153137 | 144169 | 3704 | 1883 |
| 45° | 174346 | 166744 | 3449 | 1267 |
| 50° | 195586 | 187997 | 3406 | 774 |
| 55° | 221184 | 220403 | 3385 | 345 |
| 60° | 272943 | 279410 | 3087 | 99 |
| 65° | 304545 | 335873 | 2827 | 0 |
| 70° | 310536 | 379075 | 2618 | 0 |
| 75° | 252684 | 279600 | 2504 | 0 |
| 80° | 183717 | 116945 | 2579 | 0 |
| 85° | 118784 | 49104 | 3433 | 0 |

TEST NUMBER: P599401
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|---------------|--------------|
| 0°-10° | 247.3 | 2.9 |
| 10°-20° | 484.9 | 5.6 |
| 20°-30° | 671.1 | 7.8 |
| 30°-40° | 948.4 | 11.0 |
| 40°-50° | 1291.3 | 14.9 |
| 50°-60° | 1710.2 | 19.8 |
| 60°-70° | 1985.6 | 22.9 |
| 70°-80° | 1124.5 | 13.0 |
| 80°-90° | 194.3 | 2.2 |
| 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° | 1403.3 | 16.2 |
| 0°-40° | 2351.7 | 27.2 |
| 0°-60° | 5353.1 | 61.8 |
| 0°-90° | 8657.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8657.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3255 | 3255 | 3255 | 3255 | 3255 | |
| 5° | 3408 | 3244 | 2370 | 2384 | 3408 | 306 |
| 15° | 2763 | 2626 | 816 | 615 | 2763 | 810 |
| 25° | 3757 | 3514 | 266 | 160 | 3757 | 1752 |
| 35° | 4830 | 4531 | 160 | 95 | 4830 | 3045 |
| 45° | 5727 | 5477 | 113 | 42 | 5727 | 4440 |
| 55° | 5893 | 5872 | 90 | 9 | 5893 | 5339 |
| 65° | 5979 | 6594 | 56 | 0 | 5979 | 5828 |
| 75° | 3038 | 3362 | 30 | 0 | 3038 | 3316 |
| 85° | 481 | 199 | 14 | 0 | 481 | 578 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599401
 CATALOG NUMBER: IFLD-S-SA2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 |
| 2.5° | 3382.3 | 3454.0 | 3456.3 | 3488.7 | 3521.0 | 3521.0 | 3597.3 | 3578.8 | 3511.8 | 3500.2 | 3451.7 |
| 5° | 3407.8 | 3433.2 | 3451.7 | 3615.8 | 3754.5 | 3740.7 | 3782.3 | 3754.5 | 3625.1 | 3458.6 | 3345.3 |
| 7.5° | 3188.1 | 3215.9 | 3289.8 | 3569.6 | 3756.9 | 3819.3 | 3897.9 | 3724.5 | 3588.1 | 3287.5 | 3070.2 |
| 10° | 2896.8 | 2950.0 | 3086.4 | 3405.4 | 3636.6 | 3835.5 | 3835.5 | 3696.7 | 3433.2 | 3139.6 | 2873.7 |
| 12.5° | 2735.0 | 2841.3 | 2915.3 | 3239.0 | 3539.5 | 3675.9 | 3671.3 | 3597.3 | 3426.3 | 3056.3 | 2755.8 |
| 15° | 2762.7 | 2792.8 | 2950.0 | 3202.0 | 3400.8 | 3393.9 | 3477.1 | 3454.0 | 3333.8 | 3130.3 | 2799.7 |
| 17.5° | 2889.9 | 2936.1 | 3072.5 | 3202.0 | 3296.8 | 3269.0 | 3266.7 | 3377.7 | 3384.6 | 3255.2 | 2963.9 |
| 20° | 3098.0 | 3234.4 | 3299.1 | 3338.4 | 3222.8 | 3104.9 | 3091.0 | 3245.9 | 3366.1 | 3414.7 | 3160.4 |
| 22.5° | 3430.9 | 3521.0 | 3652.8 | 3451.7 | 3151.1 | 3003.2 | 2975.4 | 3146.5 | 3389.3 | 3604.3 | 3414.7 |
| 25° | 3756.9 | 3826.2 | 3953.4 | 3694.4 | 3232.1 | 2982.4 | 2933.8 | 3081.8 | 3477.1 | 3867.8 | 3722.2 |
| 27.5° | 4101.3 | 4161.4 | 4175.3 | 3872.5 | 3276.0 | 2940.8 | 2883.0 | 3081.8 | 3551.1 | 4006.5 | 4089.8 |
| 30° | 4311.7 | 4383.4 | 4397.3 | 4029.7 | 3347.6 | 2975.4 | 2947.7 | 3095.6 | 3602.0 | 4124.4 | 4353.3 |
| 32.5° | 4547.5 | 4566.0 | 4554.5 | 4057.4 | 3426.3 | 3077.2 | 2961.6 | 3188.1 | 3659.8 | 4265.5 | 4593.8 |
| 35° | 4829.6 | 4861.9 | 4744.0 | 4184.6 | 3602.0 | 3141.9 | 3100.3 | 3301.4 | 3759.2 | 4330.2 | 4885.1 |
| 37.5° | 5044.6 | 5146.3 | 4880.4 | 4233.1 | 3636.6 | 3278.3 | 3285.2 | 3537.2 | 3828.5 | 4408.8 | 5206.4 |
| 40° | 5449.2 | 5278.1 | 5111.6 | 4399.6 | 3768.4 | 3509.5 | 3472.5 | 3780.0 | 4062.0 | 4459.7 | 5416.8 |
| 42.5° | 5671.1 | 5581.0 | 5201.8 | 4415.7 | 3971.9 | 3828.5 | 3837.8 | 4055.1 | 4184.6 | 4603.0 | 5474.6 |
| 45° | 5726.6 | 5631.8 | 5324.3 | 4427.3 | 4173.0 | 4205.4 | 4364.9 | 4406.5 | 4364.9 | 4697.8 | 5583.3 |
| 47.5° | 5867.6 | 5661.9 | 5310.5 | 4582.2 | 4499.0 | 4623.8 | 4827.3 | 4917.4 | 4610.0 | 4663.1 | 5634.1 |
| 50° | 5839.9 | 5722.0 | 5280.4 | 4646.9 | 4896.6 | 5227.2 | 5363.6 | 5326.6 | 4882.8 | 4591.5 | 5578.6 |
| 52.5° | 5724.3 | 5597.1 | 5372.9 | 4822.6 | 5268.8 | 5668.8 | 5858.4 | 5765.9 | 5125.5 | 4753.3 | 5541.7 |
| 55° | 5893.1 | 5796.0 | 5493.1 | 5060.8 | 5548.6 | 6057.2 | 6191.3 | 6121.9 | 5423.7 | 4903.6 | 5752.0 |
| 57.5° | 6075.7 | 6054.9 | 5819.1 | 5340.5 | 5879.2 | 6457.2 | 6457.2 | 6371.6 | 5682.7 | 5120.9 | 6064.1 |
| 60° | 6339.3 | 6385.5 | 6059.5 | 5525.5 | 5992.5 | 6434.0 | 6769.3 | 6669.9 | 5943.9 | 5502.3 | 6417.9 |
| 62.5° | 6253.7 | 6401.7 | 6369.3 | 5923.1 | 6121.9 | 6547.3 | 6730.0 | 6804.0 | 6267.6 | 5967.0 | 6889.5 |
| 65° | 5978.6 | 6135.8 | 6367.0 | 6184.4 | 6024.8 | 6272.2 | 6364.7 | 6588.9 | 6429.4 | 6404.0 | 7083.7 |
| 67.5° | 5650.3 | 5821.4 | 5964.7 | 6360.1 | 5828.3 | 5992.5 | 5911.6 | 5983.2 | 6253.7 | 6882.6 | 7194.7 |
| 70° | 4933.6 | 5097.8 | 5324.3 | 5969.4 | 5308.1 | 5160.2 | 5139.4 | 5104.7 | 5525.5 | 6711.5 | 6690.7 |
| 72.5° | 4057.4 | 4133.7 | 4508.2 | 4852.7 | 3927.9 | 3900.2 | 3932.6 | 3893.3 | 4381.1 | 6075.7 | 5731.2 |
| 75° | 3037.9 | 3114.1 | 3326.8 | 3726.8 | 2674.9 | 2515.4 | 2700.3 | 2883.0 | 3345.3 | 4716.3 | 4117.5 |
| 77.5° | 2284.2 | 2381.3 | 2515.4 | 2788.2 | 1962.8 | 1713.1 | 1738.6 | 1912.0 | 2418.3 | 3777.7 | 2307.3 |
| 80° | 1481.9 | 1470.4 | 1729.3 | 1918.9 | 1477.3 | 1523.5 | 1458.8 | 1586.0 | 1752.4 | 2020.6 | 1179.1 |
| 82.5° | 855.4 | 867.0 | 975.6 | 1100.5 | 1028.8 | 1176.8 | 848.5 | 1417.2 | 1250.7 | 823.0 | 439.3 |
| 85° | 480.9 | 501.7 | 601.1 | 762.9 | 645.0 | 432.3 | 353.7 | 702.8 | 786.0 | 337.5 | 212.7 |
| 87.5° | 48.6 | 41.6 | 80.9 | 289.0 | 175.7 | 71.7 | 106.3 | 168.8 | 189.6 | 127.2 | 62.4 |
| 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: P599401
 CATALOG NUMBER: IFLD-S-SA2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 |
| 2.5° | 3382.3 | 3382.3 | 3324.5 | 3227.4 | 3188.1 | 3118.8 | 3024.0 | 3054.0 | 3021.7 | 2903.8 | 2873.7 |
| 5° | 3243.6 | 3132.6 | 3012.4 | 2864.5 | 2778.9 | 2603.2 | 2547.7 | 2448.3 | 2464.5 | 2365.1 | 2369.7 |
| 7.5° | 2954.6 | 2866.8 | 2663.3 | 2469.1 | 2300.4 | 2147.8 | 1932.8 | 1851.8 | 1773.2 | 1733.9 | 1780.2 |
| 10° | 2785.9 | 2621.7 | 2344.3 | 2090.0 | 1865.7 | 1729.3 | 1586.0 | 1475.0 | 1373.3 | 1297.0 | 1280.8 |
| 12.5° | 2663.3 | 2517.7 | 2182.4 | 1872.6 | 1696.9 | 1586.0 | 1454.2 | 1301.6 | 1202.2 | 1070.4 | 1031.1 |
| 15° | 2626.3 | 2448.3 | 2094.6 | 1787.1 | 1616.0 | 1433.4 | 1283.1 | 1132.8 | 1003.4 | 864.7 | 816.1 |
| 17.5° | 2753.5 | 2547.7 | 2092.3 | 1717.7 | 1477.3 | 1280.8 | 1072.7 | 904.0 | 772.2 | 645.0 | 615.0 |
| 20° | 2968.5 | 2654.1 | 2159.3 | 1676.1 | 1345.5 | 1082.0 | 846.2 | 677.4 | 529.4 | 446.2 | 425.4 |
| 22.5° | 3213.6 | 2834.4 | 2166.3 | 1565.2 | 1213.8 | 883.1 | 617.3 | 446.2 | 363.0 | 323.7 | 312.1 |
| 25° | 3514.1 | 3123.4 | 2249.5 | 1475.0 | 1058.9 | 670.5 | 439.3 | 342.2 | 293.6 | 270.5 | 265.9 |
| 27.5° | 3761.5 | 3324.5 | 2339.7 | 1380.2 | 906.3 | 497.1 | 344.5 | 279.7 | 254.3 | 231.2 | 228.9 |
| 30° | 4018.1 | 3555.7 | 2365.1 | 1322.4 | 774.5 | 409.2 | 295.9 | 247.4 | 219.6 | 208.1 | 205.8 |
| 32.5° | 4242.4 | 3807.7 | 2446.0 | 1227.6 | 649.6 | 360.7 | 268.2 | 221.9 | 203.4 | 185.0 | 182.6 |
| 35° | 4531.3 | 3953.4 | 2485.3 | 1176.8 | 603.4 | 326.0 | 245.1 | 203.4 | 175.7 | 164.1 | 159.5 |
| 37.5° | 4841.1 | 4094.4 | 2510.7 | 1137.5 | 564.1 | 305.2 | 231.2 | 191.9 | 166.5 | 150.3 | 145.7 |
| 40° | 5130.1 | 4293.2 | 2473.7 | 1088.9 | 534.1 | 279.7 | 221.9 | 178.0 | 154.9 | 138.7 | 131.8 |
| 42.5° | 5352.1 | 4487.4 | 2462.2 | 1042.7 | 501.7 | 270.5 | 210.4 | 171.1 | 145.7 | 127.2 | 124.8 |
| 45° | 5476.9 | 4619.2 | 2381.3 | 1005.7 | 476.3 | 275.1 | 205.8 | 161.8 | 138.7 | 122.5 | 113.3 |
| 47.5° | 5446.9 | 4720.9 | 2402.1 | 994.1 | 441.6 | 256.6 | 203.4 | 154.9 | 127.2 | 113.3 | 106.3 |
| 50° | 5613.3 | 4926.7 | 2367.4 | 957.1 | 416.1 | 231.2 | 221.9 | 154.9 | 124.8 | 108.7 | 101.7 |
| 52.5° | 5641.1 | 5113.9 | 2441.4 | 890.1 | 376.8 | 212.7 | 219.6 | 152.6 | 120.2 | 104.0 | 94.8 |
| 55° | 5872.3 | 5331.3 | 2584.7 | 853.1 | 344.5 | 185.0 | 201.1 | 148.0 | 108.7 | 94.8 | 90.2 |
| 57.5° | 6186.7 | 5782.1 | 2677.2 | 818.4 | 300.5 | 161.8 | 168.8 | 145.7 | 99.4 | 87.9 | 80.9 |
| 60° | 6489.5 | 5962.4 | 2684.1 | 756.0 | 258.9 | 145.7 | 131.8 | 145.7 | 92.5 | 78.6 | 71.7 |
| 62.5° | 6716.1 | 5962.4 | 2637.9 | 702.8 | 226.6 | 129.5 | 115.6 | 138.7 | 83.2 | 69.4 | 64.7 |
| 65° | 6593.6 | 5802.9 | 2517.7 | 658.9 | 205.8 | 113.3 | 99.4 | 106.3 | 74.0 | 60.1 | 55.5 |
| 67.5° | 6373.9 | 5305.8 | 2251.8 | 605.7 | 203.4 | 99.4 | 85.5 | 78.6 | 64.7 | 53.2 | 48.6 |
| 70° | 6022.5 | 4635.4 | 1875.0 | 545.6 | 198.8 | 90.2 | 76.3 | 67.0 | 57.8 | 46.2 | 41.6 |
| 72.5° | 4852.7 | 3828.5 | 1539.7 | 510.9 | 194.2 | 78.6 | 64.7 | 57.8 | 48.6 | 39.3 | 34.7 |
| 75° | 3361.5 | 2446.0 | 1186.0 | 437.0 | 189.6 | 71.7 | 60.1 | 50.9 | 41.6 | 32.4 | 30.1 |
| 77.5° | 2016.0 | 1634.5 | 765.2 | 328.3 | 124.8 | 57.8 | 50.9 | 39.3 | 34.7 | 27.7 | 25.4 |
| 80° | 943.3 | 772.2 | 309.8 | 127.2 | 60.1 | 41.6 | 34.7 | 30.1 | 27.7 | 23.1 | 20.8 |
| 82.5° | 369.9 | 326.0 | 150.3 | 74.0 | 48.6 | 32.4 | 27.7 | 25.4 | 23.1 | 18.5 | 16.2 |
| 85° | 198.8 | 175.7 | 71.7 | 50.9 | 34.7 | 23.1 | 23.1 | 20.8 | 18.5 | 16.2 | 13.9 |
| 87.5° | 43.9 | 32.4 | 30.1 | 30.1 | 25.4 | 18.5 | 18.5 | 16.2 | 13.9 | 11.6 | 9.2 |
| 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: P599401
 CATALOG NUMBER: IFLD-S-SA2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 |
| 2.5° | 2857.5 | 2892.2 | 2836.7 | 2871.4 | 2822.8 | 2859.8 | 2864.5 | 2829.8 | 2839.0 | 2885.3 | 2906.1 |
| 5° | 2434.4 | 2411.3 | 2360.5 | 2344.3 | 2346.6 | 2316.5 | 2328.1 | 2344.3 | 2369.7 | 2383.6 | 2425.2 |
| 7.5° | 1754.7 | 1807.9 | 1805.6 | 1844.9 | 1847.2 | 1842.6 | 1810.2 | 1740.9 | 1764.0 | 1745.5 | 1768.6 |
| 10° | 1255.4 | 1278.5 | 1322.4 | 1347.8 | 1394.1 | 1368.7 | 1294.7 | 1266.9 | 1253.1 | 1250.7 | 1273.9 |
| 12.5° | 1003.4 | 947.9 | 943.3 | 952.5 | 975.6 | 945.6 | 908.6 | 876.2 | 892.4 | 924.8 | 950.2 |
| 15° | 776.8 | 730.6 | 670.5 | 661.2 | 665.8 | 652.0 | 612.7 | 571.0 | 582.6 | 615.0 | 633.5 |
| 17.5° | 596.5 | 543.3 | 501.7 | 473.9 | 464.7 | 416.1 | 358.3 | 323.7 | 314.4 | 312.1 | 328.3 |
| 20° | 402.3 | 393.0 | 386.1 | 351.4 | 351.4 | 282.1 | 233.5 | 208.1 | 208.1 | 212.7 | 215.0 |
| 22.5° | 300.5 | 289.0 | 291.3 | 284.4 | 265.9 | 210.4 | 185.0 | 178.0 | 178.0 | 182.6 | 182.6 |
| 25° | 261.2 | 245.1 | 240.4 | 238.1 | 219.6 | 180.3 | 161.8 | 154.9 | 154.9 | 159.5 | 159.5 |
| 27.5° | 221.9 | 217.3 | 210.4 | 201.1 | 185.0 | 154.9 | 143.3 | 136.4 | 138.7 | 141.0 | 138.7 |
| 30° | 203.4 | 191.9 | 182.6 | 182.6 | 164.1 | 138.7 | 129.5 | 124.8 | 120.2 | 124.8 | 127.2 |
| 32.5° | 180.3 | 173.4 | 168.8 | 161.8 | 141.0 | 122.5 | 113.3 | 108.7 | 106.3 | 106.3 | 108.7 |
| 35° | 154.9 | 154.9 | 150.3 | 141.0 | 122.5 | 111.0 | 99.4 | 94.8 | 92.5 | 94.8 | 94.8 |
| 37.5° | 138.7 | 131.8 | 134.1 | 124.8 | 108.7 | 97.1 | 85.5 | 80.9 | 80.9 | 78.6 | 80.9 |
| 40° | 129.5 | 117.9 | 111.0 | 106.3 | 97.1 | 83.2 | 74.0 | 69.4 | 67.0 | 67.0 | 67.0 |
| 42.5° | 115.6 | 106.3 | 92.5 | 90.2 | 87.9 | 71.7 | 60.1 | 57.8 | 55.5 | 53.2 | 53.2 |
| 45° | 108.7 | 94.8 | 83.2 | 71.7 | 71.7 | 60.1 | 50.9 | 46.2 | 43.9 | 41.6 | 43.9 |
| 47.5° | 99.4 | 85.5 | 71.7 | 60.1 | 57.8 | 48.6 | 39.3 | 34.7 | 32.4 | 32.4 | 32.4 |
| 50° | 94.8 | 76.3 | 62.4 | 50.9 | 43.9 | 39.3 | 30.1 | 25.4 | 23.1 | 23.1 | 23.1 |
| 52.5° | 87.9 | 71.7 | 55.5 | 43.9 | 34.7 | 30.1 | 23.1 | 18.5 | 16.2 | 16.2 | 16.2 |
| 55° | 78.6 | 64.7 | 48.6 | 37.0 | 30.1 | 23.1 | 16.2 | 11.6 | 9.2 | 9.2 | 9.2 |
| 57.5° | 74.0 | 57.8 | 41.6 | 32.4 | 23.1 | 16.2 | 9.2 | 6.9 | 6.9 | 4.6 | 6.9 |
| 60° | 67.0 | 50.9 | 34.7 | 25.4 | 18.5 | 11.6 | 6.9 | 2.3 | 2.3 | 2.3 | 2.3 |
| 62.5° | 57.8 | 43.9 | 30.1 | 20.8 | 13.9 | 6.9 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 48.6 | 34.7 | 23.1 | 16.2 | 9.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 41.6 | 30.1 | 18.5 | 11.6 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 37.0 | 25.4 | 13.9 | 9.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 30.1 | 20.8 | 11.6 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 25.4 | 16.2 | 6.9 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 20.8 | 11.6 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 16.2 | 9.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 13.9 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 9.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.9 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P599401
 CATALOG NUMBER: IFLD-S-SA2C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 | 3255.2 |
| 2.5° | 2936.1 | 2922.3 | 2991.6 | 3104.9 | 3162.7 | 3276.0 | 3303.7 | 3375.4 | 3356.9 | 3382.3 |
| 5° | 2429.8 | 2457.6 | 2559.3 | 2725.7 | 2785.9 | 2950.0 | 3104.9 | 3259.8 | 3359.2 | 3407.8 |
| 7.5° | 1803.3 | 1895.8 | 2020.6 | 2173.2 | 2328.1 | 2543.1 | 2806.7 | 2987.0 | 3084.1 | 3188.1 |
| 10° | 1343.2 | 1442.6 | 1586.0 | 1736.2 | 1988.2 | 2228.7 | 2492.2 | 2716.5 | 2799.7 | 2896.8 |
| 12.5° | 1056.5 | 1211.4 | 1377.9 | 1539.7 | 1690.0 | 1918.9 | 2244.9 | 2570.8 | 2661.0 | 2735.0 |
| 15° | 735.2 | 924.8 | 1162.9 | 1373.3 | 1583.7 | 1782.5 | 2120.0 | 2515.4 | 2637.9 | 2762.7 |
| 17.5° | 406.9 | 557.2 | 830.0 | 1125.9 | 1435.7 | 1740.9 | 2161.6 | 2617.1 | 2802.0 | 2889.9 |
| 20° | 235.8 | 295.9 | 490.1 | 841.5 | 1250.7 | 1650.7 | 2182.4 | 2809.0 | 3054.0 | 3098.0 |
| 22.5° | 194.2 | 215.0 | 277.4 | 527.1 | 1024.2 | 1592.9 | 2288.8 | 3077.2 | 3326.8 | 3430.9 |
| 25° | 166.5 | 182.6 | 215.0 | 316.7 | 774.5 | 1470.4 | 2355.8 | 3412.4 | 3643.6 | 3756.9 |
| 27.5° | 148.0 | 164.1 | 189.6 | 233.5 | 527.1 | 1301.6 | 2466.8 | 3715.2 | 3946.4 | 4101.3 |
| 30° | 129.5 | 143.3 | 168.8 | 198.8 | 365.3 | 1112.0 | 2561.6 | 3937.2 | 4263.2 | 4311.7 |
| 32.5° | 115.6 | 127.2 | 145.7 | 171.1 | 270.5 | 843.8 | 2637.9 | 4166.1 | 4441.2 | 4547.5 |
| 35° | 99.4 | 113.3 | 124.8 | 145.7 | 205.8 | 635.8 | 2591.7 | 4344.1 | 4702.4 | 4829.6 |
| 37.5° | 87.9 | 97.1 | 108.7 | 122.5 | 173.4 | 497.1 | 2496.9 | 4556.8 | 4926.7 | 5044.6 |
| 40° | 74.0 | 80.9 | 94.8 | 108.7 | 157.2 | 383.8 | 2388.2 | 4813.4 | 5241.1 | 5449.2 |
| 42.5° | 62.4 | 69.4 | 78.6 | 101.7 | 129.5 | 284.4 | 2168.6 | 5012.2 | 5495.4 | 5671.1 |
| 45° | 48.6 | 57.8 | 71.7 | 101.7 | 104.0 | 210.4 | 1942.0 | 5160.2 | 5638.8 | 5726.6 |
| 47.5° | 37.0 | 46.2 | 69.4 | 87.9 | 83.2 | 145.7 | 1673.8 | 5329.0 | 5786.7 | 5867.6 |
| 50° | 27.7 | 37.0 | 78.6 | 76.3 | 69.4 | 111.0 | 1505.1 | 5446.9 | 5796.0 | 5839.9 |
| 52.5° | 18.5 | 27.7 | 64.7 | 57.8 | 57.8 | 97.1 | 1458.8 | 5442.2 | 5819.1 | 5724.3 |
| 55° | 13.9 | 20.8 | 37.0 | 41.6 | 50.9 | 85.5 | 1417.2 | 5615.6 | 5826.0 | 5893.1 |
| 57.5° | 9.2 | 16.2 | 25.4 | 32.4 | 43.9 | 74.0 | 1331.7 | 5823.7 | 6041.0 | 6075.7 |
| 60° | 4.6 | 11.6 | 18.5 | 25.4 | 37.0 | 64.7 | 1211.4 | 5976.3 | 6302.3 | 6339.3 |
| 62.5° | 2.3 | 6.9 | 13.9 | 20.8 | 30.1 | 50.9 | 1086.6 | 5733.5 | 6189.0 | 6253.7 |
| 65° | 0.0 | 4.6 | 9.2 | 13.9 | 18.5 | 37.0 | 883.1 | 5176.4 | 5740.5 | 5978.6 |
| 67.5° | 0.0 | 0.0 | 4.6 | 9.2 | 11.6 | 27.7 | 665.8 | 4709.4 | 5326.6 | 5650.3 |
| 70° | 0.0 | 0.0 | 2.3 | 2.3 | 6.9 | 20.8 | 425.4 | 3900.2 | 4755.6 | 4933.6 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 13.9 | 247.4 | 2896.8 | 3726.8 | 4057.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 124.8 | 1863.4 | 2594.0 | 3037.9 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 67.0 | 1202.2 | 1912.0 | 2284.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 39.3 | 698.2 | 1223.0 | 1481.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 342.2 | 730.6 | 855.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 182.6 | 365.3 | 480.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 25.4 | 48.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)