

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: P599488

Luminaire Tested: **IFLD-S-SA2C-740-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: P599488
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-740-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

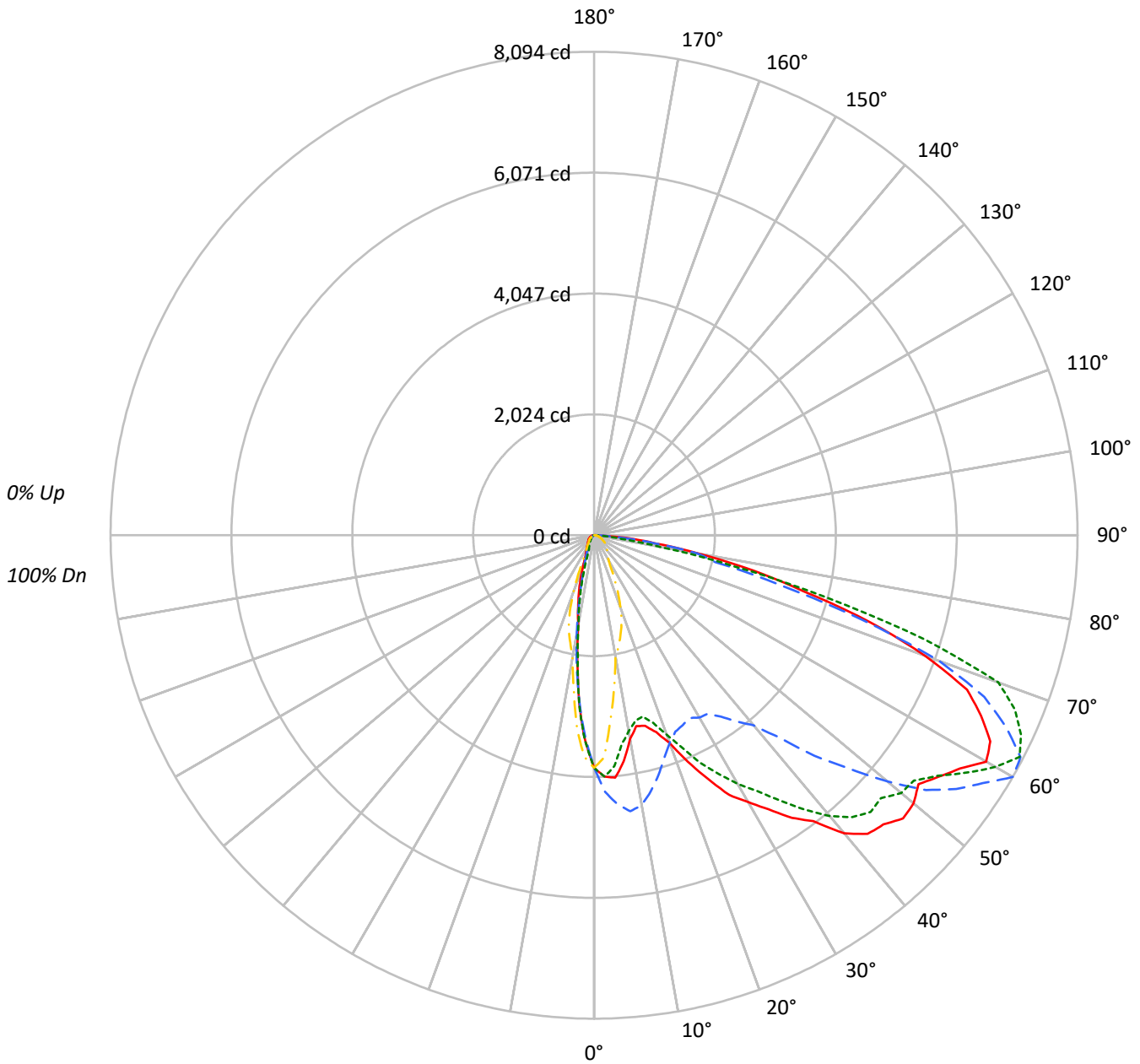
Lumens per Lamp: N/A
 Luminaire Lumens: 10352.2 lumens
 Efficiency: N/A
 Efficacy: 95.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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 |

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Luminous Intensity Polar Plot



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

TEST NUMBER: P599488
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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 | 100 | 100 | 100 |
| 1 | 106 | 100 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 90 | 86 | 90 | 86 | 83 | 86 | 83 | 81 | 79 | 79 | 79 | 79 |
| 2 | 94 | 84 | 76 | 69 | 91 | 82 | 75 | 68 | 78 | 72 | 66 | 75 | 70 | 65 | 72 | 67 | 63 | 61 | 61 | 61 | 61 |
| 3 | 84 | 72 | 62 | 54 | 81 | 70 | 61 | 53 | 67 | 59 | 52 | 64 | 57 | 51 | 61 | 55 | 50 | 48 | 48 | 48 | 48 |
| 4 | 76 | 62 | 51 | 44 | 73 | 60 | 51 | 43 | 58 | 49 | 43 | 55 | 48 | 42 | 53 | 46 | 41 | 39 | 39 | 39 | 39 |
| 5 | 69 | 54 | 44 | 36 | 67 | 53 | 43 | 36 | 51 | 42 | 35 | 48 | 41 | 35 | 46 | 40 | 34 | 32 | 32 | 32 | 32 |
| 6 | 63 | 48 | 38 | 30 | 61 | 47 | 37 | 30 | 45 | 36 | 30 | 43 | 35 | 30 | 41 | 35 | 29 | 27 | 27 | 27 | 27 |
| 7 | 58 | 43 | 33 | 26 | 56 | 42 | 33 | 26 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 25 | 23 | 23 | 23 | 23 |
| 8 | 54 | 39 | 29 | 23 | 52 | 38 | 29 | 23 | 37 | 28 | 23 | 35 | 28 | 22 | 34 | 27 | 22 | 20 | 20 | 20 | 20 |
| 9 | 50 | 35 | 26 | 20 | 49 | 35 | 26 | 20 | 34 | 26 | 20 | 32 | 25 | 20 | 31 | 25 | 20 | 18 | 18 | 18 | 18 |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 | 16 | 16 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 83793 | 83793 | 83793 | 83793 |
| 5° | 88057 | 83815 | 61234 | 61591 |
| 10° | 75721 | 72820 | 33478 | 32694 |
| 15° | 73626 | 69991 | 21750 | 16388 |
| 20° | 84866 | 81319 | 11654 | 5826 |
| 25° | 106705 | 99812 | 7551 | 4530 |
| 30° | 128161 | 119434 | 6115 | 3711 |
| 35° | 151768 | 142396 | 5012 | 2978 |
| 40° | 183111 | 172390 | 4429 | 2254 |
| 45° | 208472 | 199384 | 4125 | 1516 |
| 50° | 233870 | 224797 | 4073 | 924 |
| 55° | 264477 | 263543 | 4046 | 417 |
| 60° | 326366 | 334103 | 3690 | 121 |
| 65° | 364159 | 401615 | 3377 | 0 |
| 70° | 371321 | 453279 | 3135 | 0 |
| 75° | 302141 | 334331 | 2986 | 0 |
| 80° | 219682 | 139830 | 3087 | 0 |
| 85° | 142027 | 58713 | 4100 | 0 |

TEST NUMBER: P599488
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 295.7 | 2.9 |
| 10°-20° | 579.9 | 5.6 |
| 20°-30° | 802.4 | 7.8 |
| 30°-40° | 1134.0 | 11.0 |
| 40°-50° | 1544.0 | 14.9 |
| 50°-60° | 2044.9 | 19.8 |
| 60°-70° | 2374.3 | 22.9 |
| 70°-80° | 1344.6 | 13.0 |
| 80°-90° | 232.3 | 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° | 1678.0 | 16.2 |
| 0°-40° | 2812.0 | 27.2 |
| 0°-60° | 6400.9 | 61.8 |
| 0°-90° | 10352.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10352.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3892 | 3892 | 3892 | 3892 | 3892 | |
| 5° | 4075 | 3878 | 2834 | 2850 | 4075 | 366 |
| 15° | 3304 | 3140 | 976 | 735 | 3304 | 969 |
| 25° | 4492 | 4202 | 318 | 191 | 4492 | 2095 |
| 35° | 5775 | 5418 | 191 | 113 | 5775 | 3641 |
| 45° | 6848 | 6549 | 136 | 50 | 6848 | 5309 |
| 55° | 7047 | 7022 | 108 | 11 | 7047 | 6384 |
| 65° | 7149 | 7884 | 66 | 0 | 7149 | 6969 |
| 75° | 3632 | 4020 | 36 | 0 | 3632 | 3964 |
| 85° | 575 | 238 | 17 | 0 | 575 | 691 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599488
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 |
| 2.5° | 4044.4 | 4130.1 | 4132.9 | 4171.6 | 4210.3 | 4210.3 | 4301.5 | 4279.4 | 4199.2 | 4185.4 | 4127.3 |
| 5° | 4074.8 | 4105.2 | 4127.3 | 4323.6 | 4489.5 | 4472.9 | 4522.6 | 4489.5 | 4334.7 | 4135.6 | 4000.2 |
| 7.5° | 3812.2 | 3845.4 | 3933.8 | 4268.3 | 4492.2 | 4566.9 | 4660.9 | 4453.5 | 4290.4 | 3931.1 | 3671.2 |
| 10° | 3463.9 | 3527.4 | 3690.5 | 4072.0 | 4348.5 | 4586.2 | 4586.2 | 4420.4 | 4105.2 | 3754.1 | 3436.2 |
| 12.5° | 3270.3 | 3397.5 | 3486.0 | 3873.0 | 4232.4 | 4395.5 | 4389.9 | 4301.5 | 4096.9 | 3654.6 | 3295.2 |
| 15° | 3303.5 | 3339.5 | 3527.4 | 3828.8 | 4066.5 | 4058.2 | 4157.7 | 4130.1 | 3986.3 | 3743.1 | 3347.8 |
| 17.5° | 3455.6 | 3510.9 | 3674.0 | 3828.8 | 3942.1 | 3908.9 | 3906.2 | 4038.9 | 4047.2 | 3892.3 | 3544.0 |
| 20° | 3704.4 | 3867.5 | 3944.9 | 3991.9 | 3853.6 | 3712.7 | 3696.1 | 3881.3 | 4025.0 | 4083.1 | 3779.0 |
| 22.5° | 4102.4 | 4210.3 | 4367.8 | 4127.3 | 3767.9 | 3591.0 | 3557.8 | 3762.4 | 4052.7 | 4309.8 | 4083.1 |
| 25° | 4492.2 | 4575.2 | 4727.2 | 4417.6 | 3864.7 | 3566.1 | 3508.1 | 3685.0 | 4157.7 | 4624.9 | 4450.8 |
| 27.5° | 4904.1 | 4976.0 | 4992.6 | 4630.5 | 3917.2 | 3516.4 | 3447.3 | 3685.0 | 4246.2 | 4790.8 | 4890.3 |
| 30° | 5155.7 | 5241.4 | 5258.0 | 4818.4 | 4002.9 | 3557.8 | 3524.7 | 3701.6 | 4307.0 | 4931.8 | 5205.5 |
| 32.5° | 5437.7 | 5459.8 | 5446.0 | 4851.6 | 4096.9 | 3679.5 | 3541.3 | 3812.2 | 4376.1 | 5100.4 | 5493.0 |
| 35° | 5774.9 | 5813.6 | 5672.7 | 5003.7 | 4307.0 | 3756.9 | 3707.1 | 3947.6 | 4495.0 | 5177.8 | 5841.3 |
| 37.5° | 6032.0 | 6153.7 | 5835.8 | 5061.7 | 4348.5 | 3920.0 | 3928.3 | 4229.6 | 4577.9 | 5271.8 | 6225.5 |
| 40° | 6515.8 | 6311.2 | 6112.2 | 5260.8 | 4506.1 | 4196.4 | 4152.2 | 4519.9 | 4857.1 | 5332.6 | 6477.1 |
| 42.5° | 6781.2 | 6673.4 | 6220.0 | 5280.1 | 4749.3 | 4577.9 | 4589.0 | 4848.8 | 5003.7 | 5504.0 | 6546.2 |
| 45° | 6847.5 | 6734.2 | 6366.5 | 5293.9 | 4989.8 | 5028.5 | 5219.3 | 5269.0 | 5219.3 | 5617.4 | 6676.2 |
| 47.5° | 7016.2 | 6770.1 | 6349.9 | 5479.1 | 5379.6 | 5528.9 | 5772.2 | 5880.0 | 5512.3 | 5575.9 | 6737.0 |
| 50° | 6983.0 | 6842.0 | 6314.0 | 5556.5 | 5855.1 | 6250.4 | 6413.5 | 6369.3 | 5838.5 | 5490.2 | 6670.6 |
| 52.5° | 6844.8 | 6692.7 | 6424.6 | 5766.6 | 6300.2 | 6778.4 | 7005.1 | 6894.5 | 6128.8 | 5683.7 | 6626.4 |
| 55° | 7046.6 | 6930.5 | 6568.3 | 6051.4 | 6634.7 | 7242.9 | 7403.2 | 7320.3 | 6485.4 | 5863.4 | 6878.0 |
| 57.5° | 7265.0 | 7240.1 | 6958.1 | 6385.9 | 7030.0 | 7721.1 | 7721.1 | 7618.8 | 6795.0 | 6123.3 | 7251.2 |
| 60° | 7580.1 | 7635.4 | 7245.6 | 6607.0 | 7165.5 | 7693.5 | 8094.3 | 7975.4 | 7107.4 | 6579.4 | 7674.1 |
| 62.5° | 7477.8 | 7654.8 | 7616.1 | 7082.5 | 7320.3 | 7828.9 | 8047.3 | 8135.8 | 7494.4 | 7135.0 | 8238.1 |
| 65° | 7148.9 | 7336.9 | 7613.3 | 7394.9 | 7204.2 | 7500.0 | 7610.5 | 7878.7 | 7687.9 | 7657.5 | 8470.3 |
| 67.5° | 6756.3 | 6960.9 | 7132.3 | 7605.0 | 6969.2 | 7165.5 | 7068.7 | 7154.4 | 7477.8 | 8229.8 | 8603.0 |
| 70° | 5899.3 | 6095.6 | 6366.5 | 7137.8 | 6347.2 | 6170.3 | 6145.4 | 6103.9 | 6607.0 | 8025.2 | 8000.3 |
| 72.5° | 4851.6 | 4942.8 | 5390.7 | 5802.6 | 4696.8 | 4663.6 | 4702.3 | 4655.3 | 5238.6 | 7265.0 | 6853.1 |
| 75° | 3632.5 | 3723.7 | 3978.0 | 4456.3 | 3198.5 | 3007.7 | 3228.9 | 3447.3 | 4000.2 | 5639.5 | 4923.5 |
| 77.5° | 2731.3 | 2847.4 | 3007.7 | 3333.9 | 2347.0 | 2048.5 | 2078.9 | 2286.2 | 2891.6 | 4517.1 | 2758.9 |
| 80° | 1772.0 | 1758.2 | 2067.8 | 2294.5 | 1766.5 | 1821.8 | 1744.4 | 1896.4 | 2095.5 | 2416.1 | 1409.9 |
| 82.5° | 1022.8 | 1036.7 | 1166.6 | 1315.9 | 1230.2 | 1407.1 | 1014.6 | 1694.6 | 1495.6 | 984.1 | 525.2 |
| 85° | 575.0 | 599.9 | 718.8 | 912.3 | 771.3 | 517.0 | 423.0 | 840.4 | 939.9 | 403.6 | 254.3 |
| 87.5° | 58.1 | 49.8 | 96.8 | 345.6 | 210.1 | 85.7 | 127.2 | 201.8 | 226.7 | 152.0 | 74.6 |
| 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: P599488
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 |
| 2.5° | 4044.4 | 4044.4 | 3975.3 | 3859.2 | 3812.2 | 3729.2 | 3615.9 | 3651.8 | 3613.1 | 3472.2 | 3436.2 |
| 5° | 3878.5 | 3745.8 | 3602.1 | 3425.2 | 3322.9 | 3112.8 | 3046.4 | 2927.6 | 2946.9 | 2828.0 | 2833.6 |
| 7.5° | 3533.0 | 3427.9 | 3184.6 | 2952.4 | 2750.6 | 2568.2 | 2311.1 | 2214.3 | 2120.3 | 2073.3 | 2128.6 |
| 10° | 3331.2 | 3134.9 | 2803.2 | 2499.1 | 2230.9 | 2067.8 | 1896.4 | 1763.7 | 1642.1 | 1550.9 | 1531.5 |
| 12.5° | 3184.6 | 3010.5 | 2609.6 | 2239.2 | 2029.1 | 1896.4 | 1738.8 | 1556.4 | 1437.5 | 1279.9 | 1232.9 |
| 15° | 3140.4 | 2927.6 | 2504.6 | 2136.9 | 1932.4 | 1714.0 | 1534.3 | 1354.6 | 1199.8 | 1033.9 | 975.9 |
| 17.5° | 3292.5 | 3046.4 | 2501.8 | 2054.0 | 1766.5 | 1531.5 | 1282.7 | 1080.9 | 923.3 | 771.3 | 735.3 |
| 20° | 3549.6 | 3173.6 | 2582.0 | 2004.2 | 1608.9 | 1293.8 | 1011.8 | 810.0 | 633.1 | 533.5 | 508.7 |
| 22.5° | 3842.6 | 3389.2 | 2590.3 | 1871.5 | 1451.3 | 1056.0 | 738.1 | 533.5 | 434.0 | 387.0 | 373.2 |
| 25° | 4202.0 | 3734.8 | 2689.8 | 1763.7 | 1266.1 | 801.7 | 525.2 | 409.1 | 351.1 | 323.4 | 317.9 |
| 27.5° | 4497.8 | 3975.3 | 2797.6 | 1650.4 | 1083.7 | 594.4 | 411.9 | 334.5 | 304.1 | 276.4 | 273.7 |
| 30° | 4804.6 | 4251.7 | 2828.0 | 1581.3 | 926.1 | 489.3 | 353.8 | 295.8 | 262.6 | 248.8 | 246.0 |
| 32.5° | 5072.8 | 4553.1 | 2924.8 | 1467.9 | 776.8 | 431.3 | 320.7 | 265.4 | 243.3 | 221.2 | 218.4 |
| 35° | 5418.3 | 4727.2 | 2971.8 | 1407.1 | 721.5 | 389.8 | 293.0 | 243.3 | 210.1 | 196.3 | 190.7 |
| 37.5° | 5788.8 | 4895.8 | 3002.2 | 1360.1 | 674.5 | 364.9 | 276.4 | 229.4 | 199.0 | 179.7 | 174.2 |
| 40° | 6134.3 | 5133.6 | 2958.0 | 1302.1 | 638.6 | 334.5 | 265.4 | 212.9 | 185.2 | 165.9 | 157.6 |
| 42.5° | 6399.7 | 5365.8 | 2944.1 | 1246.8 | 599.9 | 323.4 | 251.6 | 204.6 | 174.2 | 152.0 | 149.3 |
| 45° | 6549.0 | 5523.4 | 2847.4 | 1202.5 | 569.5 | 329.0 | 246.0 | 193.5 | 165.9 | 146.5 | 135.5 |
| 47.5° | 6513.0 | 5645.0 | 2872.3 | 1188.7 | 528.0 | 306.9 | 243.3 | 185.2 | 152.0 | 135.5 | 127.2 |
| 50° | 6712.1 | 5891.0 | 2830.8 | 1144.5 | 497.6 | 276.4 | 265.4 | 185.2 | 149.3 | 129.9 | 121.6 |
| 52.5° | 6745.3 | 6115.0 | 2919.3 | 1064.3 | 450.6 | 254.3 | 262.6 | 182.5 | 143.8 | 124.4 | 113.3 |
| 55° | 7021.7 | 6374.8 | 3090.7 | 1020.1 | 411.9 | 221.2 | 240.5 | 176.9 | 129.9 | 113.3 | 107.8 |
| 57.5° | 7397.7 | 6913.9 | 3201.2 | 978.6 | 359.4 | 193.5 | 201.8 | 174.2 | 118.9 | 105.0 | 96.8 |
| 60° | 7759.8 | 7129.5 | 3209.5 | 904.0 | 309.6 | 174.2 | 157.6 | 174.2 | 110.6 | 94.0 | 85.7 |
| 62.5° | 8030.7 | 7129.5 | 3154.2 | 840.4 | 270.9 | 154.8 | 138.2 | 165.9 | 99.5 | 82.9 | 77.4 |
| 65° | 7884.2 | 6938.8 | 3010.5 | 787.9 | 246.0 | 135.5 | 118.9 | 127.2 | 88.5 | 71.9 | 66.3 |
| 67.5° | 7621.6 | 6344.4 | 2692.6 | 724.3 | 243.3 | 118.9 | 102.3 | 94.0 | 77.4 | 63.6 | 58.1 |
| 70° | 7201.4 | 5542.7 | 2242.0 | 652.4 | 237.7 | 107.8 | 91.2 | 80.2 | 69.1 | 55.3 | 49.8 |
| 72.5° | 5802.6 | 4577.9 | 1841.1 | 610.9 | 232.2 | 94.0 | 77.4 | 69.1 | 58.1 | 47.0 | 41.5 |
| 75° | 4019.5 | 2924.8 | 1418.2 | 522.5 | 226.7 | 85.7 | 71.9 | 60.8 | 49.8 | 38.7 | 35.9 |
| 77.5° | 2410.6 | 1954.5 | 915.0 | 392.6 | 149.3 | 69.1 | 60.8 | 47.0 | 41.5 | 33.2 | 30.4 |
| 80° | 1127.9 | 923.3 | 370.4 | 152.0 | 71.9 | 49.8 | 41.5 | 35.9 | 33.2 | 27.6 | 24.9 |
| 82.5° | 442.3 | 389.8 | 179.7 | 88.5 | 58.1 | 38.7 | 33.2 | 30.4 | 27.6 | 22.1 | 19.4 |
| 85° | 237.7 | 210.1 | 85.7 | 60.8 | 41.5 | 27.6 | 27.6 | 24.9 | 22.1 | 19.4 | 16.6 |
| 87.5° | 52.5 | 38.7 | 35.9 | 35.9 | 30.4 | 22.1 | 22.1 | 19.4 | 16.6 | 13.8 | 11.1 |
| 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: P599488
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 |
| 2.5° | 3416.9 | 3458.3 | 3392.0 | 3433.4 | 3375.4 | 3419.6 | 3425.2 | 3383.7 | 3394.7 | 3450.0 | 3474.9 |
| 5° | 2911.0 | 2883.3 | 2822.5 | 2803.2 | 2805.9 | 2770.0 | 2783.8 | 2803.2 | 2833.6 | 2850.1 | 2899.9 |
| 7.5° | 2098.2 | 2161.8 | 2159.0 | 2206.0 | 2208.8 | 2203.3 | 2164.6 | 2081.6 | 2109.3 | 2087.2 | 2114.8 |
| 10° | 1501.1 | 1528.7 | 1581.3 | 1611.7 | 1667.0 | 1636.6 | 1548.1 | 1514.9 | 1498.3 | 1495.6 | 1523.2 |
| 12.5° | 1199.8 | 1133.4 | 1127.9 | 1139.0 | 1166.6 | 1130.7 | 1086.4 | 1047.7 | 1067.1 | 1105.8 | 1136.2 |
| 15° | 928.9 | 873.6 | 801.7 | 790.6 | 796.2 | 779.6 | 732.6 | 682.8 | 696.6 | 735.3 | 757.5 |
| 17.5° | 713.2 | 649.6 | 599.9 | 566.7 | 555.7 | 497.6 | 428.5 | 387.0 | 376.0 | 373.2 | 392.6 |
| 20° | 481.0 | 470.0 | 461.7 | 420.2 | 420.2 | 337.3 | 279.2 | 248.8 | 248.8 | 254.3 | 257.1 |
| 22.5° | 359.4 | 345.6 | 348.3 | 340.0 | 317.9 | 251.6 | 221.2 | 212.9 | 212.9 | 218.4 | 218.4 |
| 25° | 312.4 | 293.0 | 287.5 | 284.7 | 262.6 | 215.6 | 193.5 | 185.2 | 185.2 | 190.7 | 190.7 |
| 27.5° | 265.4 | 259.9 | 251.6 | 240.5 | 221.2 | 185.2 | 171.4 | 163.1 | 165.9 | 168.6 | 165.9 |
| 30° | 243.3 | 229.4 | 218.4 | 218.4 | 196.3 | 165.9 | 154.8 | 149.3 | 143.8 | 149.3 | 152.0 |
| 32.5° | 215.6 | 207.3 | 201.8 | 193.5 | 168.6 | 146.5 | 135.5 | 129.9 | 127.2 | 127.2 | 129.9 |
| 35° | 185.2 | 185.2 | 179.7 | 168.6 | 146.5 | 132.7 | 118.9 | 113.3 | 110.6 | 113.3 | 113.3 |
| 37.5° | 165.9 | 157.6 | 160.3 | 149.3 | 129.9 | 116.1 | 102.3 | 96.8 | 96.8 | 94.0 | 96.8 |
| 40° | 154.8 | 141.0 | 132.7 | 127.2 | 116.1 | 99.5 | 88.5 | 82.9 | 80.2 | 80.2 | 80.2 |
| 42.5° | 138.2 | 127.2 | 110.6 | 107.8 | 105.0 | 85.7 | 71.9 | 69.1 | 66.3 | 63.6 | 63.6 |
| 45° | 129.9 | 113.3 | 99.5 | 85.7 | 85.7 | 71.9 | 60.8 | 55.3 | 52.5 | 49.8 | 52.5 |
| 47.5° | 118.9 | 102.3 | 85.7 | 71.9 | 69.1 | 58.1 | 47.0 | 41.5 | 38.7 | 38.7 | 38.7 |
| 50° | 113.3 | 91.2 | 74.6 | 60.8 | 52.5 | 47.0 | 35.9 | 30.4 | 27.6 | 27.6 | 27.6 |
| 52.5° | 105.0 | 85.7 | 66.3 | 52.5 | 41.5 | 35.9 | 27.6 | 22.1 | 19.4 | 19.4 | 19.4 |
| 55° | 94.0 | 77.4 | 58.1 | 44.2 | 35.9 | 27.6 | 19.4 | 13.8 | 11.1 | 11.1 | 11.1 |
| 57.5° | 88.5 | 69.1 | 49.8 | 38.7 | 27.6 | 19.4 | 11.1 | 8.3 | 8.3 | 5.5 | 8.3 |
| 60° | 80.2 | 60.8 | 41.5 | 30.4 | 22.1 | 13.8 | 8.3 | 2.8 | 2.8 | 2.8 | 2.8 |
| 62.5° | 69.1 | 52.5 | 35.9 | 24.9 | 16.6 | 8.3 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 58.1 | 41.5 | 27.6 | 19.4 | 11.1 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 49.8 | 35.9 | 22.1 | 13.8 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 44.2 | 30.4 | 16.6 | 11.1 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 35.9 | 24.9 | 13.8 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 30.4 | 19.4 | 8.3 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 24.9 | 13.8 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 19.4 | 11.1 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 16.6 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 11.1 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 8.3 | 2.8 | 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: P599488
 CATALOG NUMBER: IFLD-S-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 | 3892.3 |
| 2.5° | 3510.9 | 3494.3 | 3577.2 | 3712.7 | 3781.8 | 3917.2 | 3950.4 | 4036.1 | 4014.0 | 4044.4 |
| 5° | 2905.4 | 2938.6 | 3060.2 | 3259.3 | 3331.2 | 3527.4 | 3712.7 | 3897.9 | 4016.7 | 4074.8 |
| 7.5° | 2156.3 | 2266.9 | 2416.1 | 2598.6 | 2783.8 | 3040.9 | 3356.0 | 3571.7 | 3687.8 | 3812.2 |
| 10° | 1606.1 | 1725.0 | 1896.4 | 2076.1 | 2377.4 | 2664.9 | 2980.1 | 3248.2 | 3347.8 | 3463.9 |
| 12.5° | 1263.4 | 1448.6 | 1647.6 | 1841.1 | 2020.8 | 2294.5 | 2684.3 | 3074.1 | 3181.9 | 3270.3 |
| 15° | 879.1 | 1105.8 | 1390.5 | 1642.1 | 1893.6 | 2131.4 | 2535.0 | 3007.7 | 3154.2 | 3303.5 |
| 17.5° | 486.5 | 666.2 | 992.4 | 1346.3 | 1716.7 | 2081.6 | 2584.8 | 3129.4 | 3350.5 | 3455.6 |
| 20° | 282.0 | 353.8 | 586.1 | 1006.3 | 1495.6 | 1973.8 | 2609.6 | 3358.8 | 3651.8 | 3704.4 |
| 22.5° | 232.2 | 257.1 | 331.7 | 630.3 | 1224.7 | 1904.7 | 2736.8 | 3679.5 | 3978.0 | 4102.4 |
| 25° | 199.0 | 218.4 | 257.1 | 378.7 | 926.1 | 1758.2 | 2817.0 | 4080.3 | 4356.8 | 4492.2 |
| 27.5° | 176.9 | 196.3 | 226.7 | 279.2 | 630.3 | 1556.4 | 2949.7 | 4442.5 | 4718.9 | 4904.1 |
| 30° | 154.8 | 171.4 | 201.8 | 237.7 | 436.8 | 1329.7 | 3063.0 | 4707.9 | 5097.6 | 5155.7 |
| 32.5° | 138.2 | 152.0 | 174.2 | 204.6 | 323.4 | 1009.0 | 3154.2 | 4981.5 | 5310.5 | 5437.7 |
| 35° | 118.9 | 135.5 | 149.3 | 174.2 | 246.0 | 760.2 | 3099.0 | 5194.4 | 5622.9 | 5774.9 |
| 37.5° | 105.0 | 116.1 | 129.9 | 146.5 | 207.3 | 594.4 | 2985.6 | 5448.7 | 5891.0 | 6032.0 |
| 40° | 88.5 | 96.8 | 113.3 | 129.9 | 188.0 | 458.9 | 2855.7 | 5755.6 | 6267.0 | 6515.8 |
| 42.5° | 74.6 | 82.9 | 94.0 | 121.6 | 154.8 | 340.0 | 2593.1 | 5993.3 | 6571.1 | 6781.2 |
| 45° | 58.1 | 69.1 | 85.7 | 121.6 | 124.4 | 251.6 | 2322.1 | 6170.3 | 6742.5 | 6847.5 |
| 47.5° | 44.2 | 55.3 | 82.9 | 105.0 | 99.5 | 174.2 | 2001.5 | 6372.1 | 6919.4 | 7016.2 |
| 50° | 33.2 | 44.2 | 94.0 | 91.2 | 82.9 | 132.7 | 1799.7 | 6513.0 | 6930.5 | 6983.0 |
| 52.5° | 22.1 | 33.2 | 77.4 | 69.1 | 69.1 | 116.1 | 1744.4 | 6507.5 | 6958.1 | 6844.8 |
| 55° | 16.6 | 24.9 | 44.2 | 49.8 | 60.8 | 102.3 | 1694.6 | 6714.9 | 6966.4 | 7046.6 |
| 57.5° | 11.1 | 19.4 | 30.4 | 38.7 | 52.5 | 88.5 | 1592.3 | 6963.7 | 7223.5 | 7265.0 |
| 60° | 5.5 | 13.8 | 22.1 | 30.4 | 44.2 | 77.4 | 1448.6 | 7146.1 | 7535.9 | 7580.1 |
| 62.5° | 2.8 | 8.3 | 16.6 | 24.9 | 35.9 | 60.8 | 1299.3 | 6855.8 | 7400.4 | 7477.8 |
| 65° | 0.0 | 5.5 | 11.1 | 16.6 | 22.1 | 44.2 | 1056.0 | 6189.6 | 6864.1 | 7148.9 |
| 67.5° | 0.0 | 0.0 | 5.5 | 11.1 | 13.8 | 33.2 | 796.2 | 5631.2 | 6369.3 | 6756.3 |
| 70° | 0.0 | 0.0 | 2.8 | 2.8 | 8.3 | 24.9 | 508.7 | 4663.6 | 5686.5 | 5899.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 16.6 | 295.8 | 3463.9 | 4456.3 | 4851.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 149.3 | 2228.1 | 3101.7 | 3632.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.1 | 80.2 | 1437.5 | 2286.2 | 2731.3 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 47.0 | 834.9 | 1462.4 | 1772.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.4 | 409.1 | 873.6 | 1022.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 218.4 | 436.8 | 575.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 30.4 | 58.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)