

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: P599115

Luminaire Tested: **IFLD-S-SA3B-722-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599115
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3B-722-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

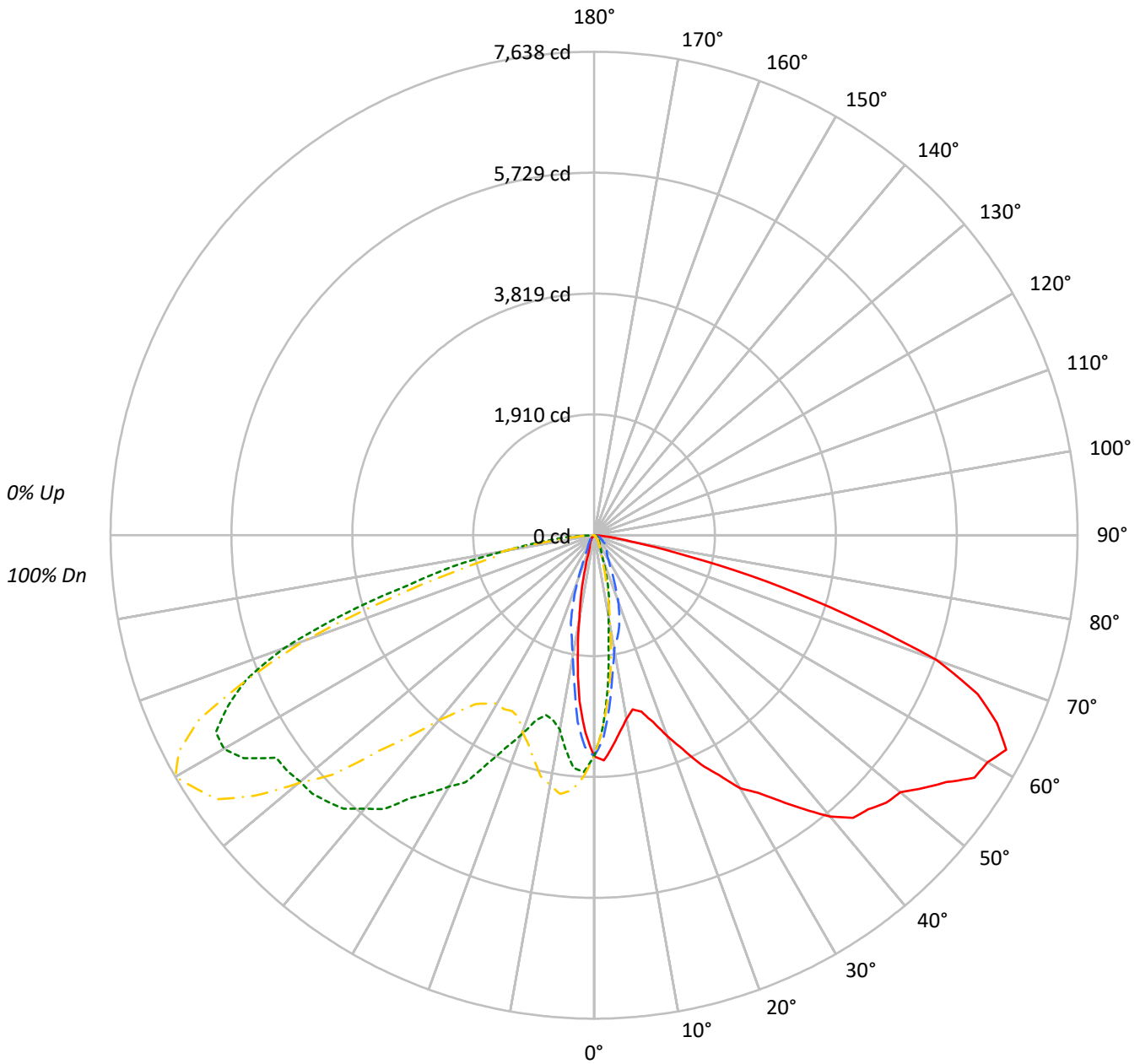
Lumens per Lamp: N/A
 Luminaire Lumens: 9129.9 lumens
 Efficiency: N/A
 Efficacy: 74.6 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 122.4
 Input Voltage (V): 120
 Input Current (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: P599115
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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 107 | 101 | 96 | 91 | 104 | 99 | 94 | 90 | 94 | 90 | 87 | 90 | 87 | 84 | 87 | 84 | 82 | 79 |
| 2 | 95 | 85 | 77 | 70 | 92 | 83 | 75 | 69 | 79 | 73 | 67 | 76 | 71 | 66 | 73 | 68 | 64 | 62 |
| 3 | 85 | 72 | 63 | 55 | 82 | 71 | 62 | 54 | 67 | 60 | 53 | 65 | 58 | 52 | 62 | 56 | 51 | 49 |
| 4 | 76 | 62 | 52 | 44 | 74 | 61 | 51 | 44 | 58 | 50 | 43 | 56 | 49 | 43 | 53 | 47 | 42 | 40 |
| 5 | 69 | 55 | 44 | 37 | 67 | 53 | 44 | 36 | 51 | 43 | 36 | 49 | 41 | 35 | 47 | 40 | 35 | 33 |
| 6 | 63 | 48 | 38 | 31 | 61 | 47 | 38 | 31 | 45 | 37 | 30 | 44 | 36 | 30 | 42 | 35 | 30 | 27 |
| 7 | 58 | 43 | 33 | 27 | 56 | 42 | 33 | 26 | 41 | 32 | 26 | 39 | 32 | 26 | 38 | 31 | 26 | 24 |
| 8 | 54 | 39 | 30 | 23 | 52 | 38 | 29 | 23 | 37 | 29 | 23 | 36 | 28 | 23 | 34 | 28 | 23 | 20 |
| 9 | 50 | 36 | 27 | 21 | 49 | 35 | 26 | 21 | 34 | 26 | 20 | 33 | 25 | 20 | 32 | 25 | 20 | 18 |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 24 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 50092 | 50092 | 50092 | 50092 |
| 5° | 48228 | 35249 | 37944 | 53156 |
| 10° | 42939 | 19192 | 19442 | 45450 |
| 15° | 42863 | 12800 | 7827 | 43668 |
| 20° | 51465 | 6390 | 3120 | 51164 |
| 25° | 63301 | 4014 | 2417 | 62989 |
| 30° | 76484 | 3223 | 1836 | 75995 |
| 35° | 89745 | 2588 | 1423 | 88839 |
| 40° | 108648 | 2213 | 922 | 105651 |
| 45° | 124299 | 1999 | 499 | 120852 |
| 50° | 141023 | 1925 | 109 | 135252 |
| 55° | 170110 | 1847 | 0 | 153358 |
| 60° | 205952 | 1556 | 0 | 193730 |
| 65° | 238480 | 1253 | 0 | 216746 |
| 70° | 241488 | 1032 | 0 | 218555 |
| 75° | 156284 | 682 | 0 | 167613 |
| 80° | 53300 | 207 | 0 | 118602 |
| 85° | 26759 | 0 | 0 | 87143 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 264.4 | 2.9 |
| 10°-20° | 512.0 | 5.6 |
| 20°-30° | 713.0 | 7.8 |
| 30°-40° | 1013.2 | 11.1 |
| 40°-50° | 1405.0 | 15.4 |
| 50°-60° | 1914.3 | 21.0 |
| 60°-70° | 2104.7 | 23.1 |
| 70°-80° | 1034.4 | 11.3 |
| 80°-90° | 168.9 | 1.9 |
| 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° | 1489.4 | 16.3 |
| 0°-40° | 2502.6 | 27.4 |
| 0°-60° | 5821.9 | 63.8 |
| 0°-90° | 9129.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9129.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3490 | 3490 | 3490 | 3490 | 3490 | |
| 5° | 3348 | 2447 | 2634 | 3690 | 3348 | 306 |
| 15° | 2885 | 862 | 527 | 2939 | 2885 | 854 |
| 25° | 3997 | 254 | 153 | 3978 | 3997 | 1858 |
| 35° | 5122 | 148 | 81 | 5071 | 5122 | 3251 |
| 45° | 6124 | 98 | 25 | 5954 | 6124 | 4747 |
| 55° | 6798 | 74 | 0 | 6129 | 6798 | 6116 |
| 65° | 7022 | 37 | 0 | 6382 | 7022 | 6786 |
| 75° | 2818 | 12 | 0 | 3023 | 2818 | 3073 |
| 85° | 162 | 0 | 0 | 529 | 162 | 225 |
| 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° | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 |
| 2.5° | 3561.7 | 3603.6 | 3564.2 | 3426.3 | 3401.7 | 3335.3 | 3234.4 | 3227.0 | 3121.1 | 3133.4 | 3076.8 |
| 5° | 3347.6 | 3389.4 | 3305.7 | 3123.6 | 2953.7 | 2818.4 | 2737.1 | 2591.9 | 2559.9 | 2488.5 | 2488.5 |
| 7.5° | 3128.5 | 3126.0 | 2983.3 | 2830.7 | 2577.1 | 2328.5 | 2215.3 | 2006.1 | 1883.0 | 1816.6 | 1752.6 |
| 10° | 2946.4 | 2907.0 | 2818.4 | 2503.3 | 2227.6 | 1969.2 | 1828.9 | 1691.0 | 1563.0 | 1452.3 | 1341.5 |
| 12.5° | 2818.4 | 2843.0 | 2702.7 | 2360.5 | 2003.6 | 1823.9 | 1673.8 | 1528.6 | 1376.0 | 1250.4 | 1127.3 |
| 15° | 2884.8 | 2845.4 | 2680.5 | 2328.5 | 1966.7 | 1720.6 | 1521.2 | 1344.0 | 1174.1 | 1009.2 | 915.7 |
| 17.5° | 3091.6 | 2990.7 | 2796.2 | 2328.5 | 1890.4 | 1563.0 | 1321.8 | 1112.6 | 930.4 | 782.7 | 667.1 |
| 20° | 3369.7 | 3254.0 | 3044.8 | 2414.7 | 1833.8 | 1447.3 | 1117.5 | 854.1 | 664.6 | 526.8 | 438.1 |
| 22.5° | 3655.3 | 3564.2 | 3249.1 | 2449.1 | 1767.3 | 1292.3 | 881.2 | 617.8 | 443.1 | 354.4 | 310.1 |
| 25° | 3997.4 | 3869.4 | 3524.8 | 2587.0 | 1668.9 | 1142.1 | 694.1 | 430.8 | 329.8 | 283.1 | 256.0 |
| 27.5° | 4270.6 | 4248.5 | 3783.3 | 2670.7 | 1595.0 | 1019.0 | 548.9 | 342.1 | 273.2 | 238.8 | 221.5 |
| 30° | 4615.2 | 4494.6 | 4098.3 | 2838.1 | 1511.3 | 878.7 | 457.8 | 307.7 | 251.1 | 214.1 | 201.8 |
| 32.5° | 4822.0 | 4765.4 | 4263.2 | 2931.6 | 1417.8 | 763.1 | 393.8 | 270.8 | 228.9 | 201.8 | 189.5 |
| 35° | 5122.3 | 5009.1 | 4499.5 | 2990.7 | 1368.6 | 696.6 | 354.4 | 246.1 | 192.0 | 164.9 | 150.1 |
| 37.5° | 5457.0 | 5415.2 | 4782.6 | 2988.2 | 1297.2 | 657.2 | 327.4 | 228.9 | 182.1 | 152.6 | 135.4 |
| 40° | 5799.2 | 5629.3 | 4954.9 | 3057.1 | 1260.3 | 627.7 | 307.7 | 219.1 | 172.3 | 145.2 | 123.1 |
| 42.5° | 6055.2 | 5860.7 | 5154.3 | 3032.5 | 1216.0 | 576.0 | 300.3 | 204.3 | 164.9 | 132.9 | 113.2 |
| 45° | 6124.1 | 6055.2 | 5334.0 | 3025.1 | 1184.0 | 534.1 | 288.0 | 201.8 | 160.0 | 125.5 | 105.8 |
| 47.5° | 6257.0 | 6210.2 | 5555.5 | 3037.4 | 1159.3 | 502.1 | 258.5 | 206.8 | 152.6 | 118.1 | 100.9 |
| 50° | 6316.1 | 6232.4 | 5735.2 | 3067.0 | 1102.7 | 462.8 | 231.4 | 216.6 | 150.1 | 115.7 | 96.0 |
| 52.5° | 6559.8 | 6485.9 | 5981.3 | 3150.7 | 1056.0 | 411.1 | 204.3 | 206.8 | 155.1 | 108.3 | 91.1 |
| 55° | 6798.5 | 6714.8 | 6360.4 | 3342.7 | 989.5 | 369.2 | 174.8 | 182.1 | 147.7 | 98.5 | 81.2 |
| 57.5° | 7125.9 | 6988.1 | 6613.9 | 3421.4 | 930.4 | 312.6 | 155.1 | 150.1 | 137.8 | 88.6 | 71.4 |
| 60° | 7175.1 | 7231.8 | 6577.0 | 3372.2 | 868.9 | 275.7 | 135.4 | 115.7 | 147.7 | 78.8 | 61.5 |
| 62.5° | 7340.1 | 7103.8 | 6404.7 | 3259.0 | 824.6 | 253.5 | 120.6 | 96.0 | 128.0 | 68.9 | 51.7 |
| 65° | 7022.5 | 6847.8 | 6001.0 | 2894.7 | 768.0 | 256.0 | 105.8 | 78.8 | 81.2 | 56.6 | 41.8 |
| 67.5° | 6557.3 | 6419.5 | 5331.5 | 2498.4 | 711.4 | 251.1 | 93.5 | 68.9 | 61.5 | 49.2 | 36.9 |
| 70° | 5754.9 | 5457.0 | 4529.1 | 2028.2 | 627.7 | 233.8 | 78.8 | 61.5 | 51.7 | 39.4 | 27.1 |
| 72.5° | 4186.9 | 4066.3 | 3249.1 | 1567.9 | 563.7 | 211.7 | 73.8 | 51.7 | 44.3 | 29.5 | 22.2 |
| 75° | 2818.4 | 2619.0 | 2050.4 | 1028.9 | 452.9 | 184.6 | 61.5 | 46.8 | 34.5 | 22.2 | 17.2 |
| 77.5° | 1489.2 | 1408.0 | 1161.8 | 489.8 | 251.1 | 86.2 | 34.5 | 27.1 | 19.7 | 17.2 | 9.8 |
| 80° | 644.9 | 573.5 | 502.1 | 199.4 | 88.6 | 39.4 | 22.2 | 14.8 | 12.3 | 9.8 | 4.9 |
| 82.5° | 329.8 | 315.1 | 260.9 | 86.2 | 51.7 | 29.5 | 12.3 | 9.8 | 7.4 | 4.9 | 2.5 |
| 85° | 162.5 | 167.4 | 137.8 | 27.1 | 29.5 | 17.2 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 12.3 | 12.3 | 9.8 | 4.9 | 7.4 | 2.5 | 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 |

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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 |
| 2.5° | 3054.7 | 3089.1 | 3030.0 | 3067.0 | 3049.7 | 3057.1 | 3064.5 | 3044.8 | 3049.7 | 3118.7 | 3121.1 |
| 5° | 2446.7 | 2513.1 | 2488.5 | 2523.0 | 2582.1 | 2552.5 | 2579.6 | 2574.7 | 2579.6 | 2589.4 | 2633.8 |
| 7.5° | 1745.2 | 1725.5 | 1772.2 | 1863.3 | 1969.2 | 2033.2 | 2001.2 | 1983.9 | 1974.1 | 1949.5 | 1979.0 |
| 10° | 1316.9 | 1307.0 | 1294.7 | 1321.8 | 1390.7 | 1462.1 | 1501.5 | 1435.0 | 1398.1 | 1351.3 | 1334.1 |
| 12.5° | 1092.9 | 1031.3 | 996.9 | 955.0 | 974.7 | 1038.7 | 1041.2 | 977.2 | 918.1 | 893.5 | 920.6 |
| 15° | 861.5 | 819.7 | 758.1 | 699.1 | 669.5 | 718.7 | 676.9 | 615.4 | 539.1 | 529.2 | 526.8 |
| 17.5° | 615.4 | 590.7 | 546.4 | 521.8 | 487.4 | 475.1 | 430.8 | 337.2 | 283.1 | 268.3 | 273.2 |
| 20° | 418.4 | 398.8 | 396.3 | 374.1 | 359.4 | 349.5 | 278.1 | 216.6 | 199.4 | 201.8 | 204.3 |
| 22.5° | 310.1 | 300.3 | 288.0 | 285.5 | 273.2 | 260.9 | 204.3 | 182.1 | 169.8 | 169.8 | 177.2 |
| 25° | 253.5 | 248.6 | 236.3 | 231.4 | 226.5 | 209.2 | 172.3 | 155.1 | 150.1 | 145.2 | 152.6 |
| 27.5° | 216.6 | 214.1 | 206.8 | 199.4 | 194.5 | 177.2 | 150.1 | 135.4 | 130.5 | 130.5 | 130.5 |
| 30° | 194.5 | 194.5 | 184.6 | 169.8 | 169.8 | 150.1 | 128.0 | 118.1 | 113.2 | 113.2 | 110.8 |
| 32.5° | 182.1 | 177.2 | 164.9 | 155.1 | 147.7 | 128.0 | 113.2 | 103.4 | 96.0 | 96.0 | 98.5 |
| 35° | 147.7 | 147.7 | 145.2 | 137.8 | 128.0 | 108.3 | 96.0 | 86.2 | 81.2 | 78.8 | 81.2 |
| 37.5° | 130.5 | 123.1 | 113.2 | 115.7 | 110.8 | 93.5 | 81.2 | 73.8 | 66.5 | 66.5 | 66.5 |
| 40° | 118.1 | 110.8 | 100.9 | 93.5 | 91.1 | 83.7 | 71.4 | 59.1 | 51.7 | 49.2 | 49.2 |
| 42.5° | 105.8 | 100.9 | 86.2 | 73.8 | 71.4 | 71.4 | 54.2 | 44.3 | 36.9 | 36.9 | 36.9 |
| 45° | 98.5 | 91.1 | 78.8 | 64.0 | 51.7 | 54.2 | 44.3 | 32.0 | 27.1 | 24.6 | 24.6 |
| 47.5° | 93.5 | 86.2 | 68.9 | 54.2 | 39.4 | 39.4 | 32.0 | 22.2 | 17.2 | 14.8 | 14.8 |
| 50° | 86.2 | 78.8 | 61.5 | 44.3 | 29.5 | 24.6 | 19.7 | 12.3 | 7.4 | 4.9 | 4.9 |
| 52.5° | 81.2 | 73.8 | 54.2 | 36.9 | 24.6 | 17.2 | 12.3 | 2.5 | 0.0 | 0.0 | 0.0 |
| 55° | 73.8 | 64.0 | 46.8 | 29.5 | 19.7 | 9.8 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 64.0 | 56.6 | 36.9 | 22.2 | 12.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 54.2 | 46.8 | 29.5 | 17.2 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 44.3 | 39.4 | 22.2 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 36.9 | 29.5 | 17.2 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 32.0 | 24.6 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 24.6 | 17.2 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 17.2 | 12.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 12.3 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 7.4 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 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 |

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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 |
| 2.5° | 3131.0 | 3204.8 | 3273.7 | 3293.4 | 3347.6 | 3497.7 | 3497.7 | 3569.1 | 3697.1 | 3743.9 | 3753.7 |
| 5° | 2641.1 | 2719.9 | 2734.7 | 2887.3 | 2958.7 | 3111.3 | 3212.2 | 3453.4 | 3598.6 | 3689.7 | 3746.3 |
| 7.5° | 2008.5 | 2035.6 | 2092.2 | 2235.0 | 2375.3 | 2559.9 | 2751.9 | 3059.6 | 3315.6 | 3419.0 | 3611.0 |
| 10° | 1380.9 | 1462.1 | 1585.2 | 1713.2 | 1932.2 | 2136.5 | 2385.1 | 2675.6 | 2990.7 | 3118.7 | 3283.6 |
| 12.5° | 930.4 | 1043.7 | 1240.6 | 1422.7 | 1624.6 | 1831.3 | 2067.6 | 2456.5 | 2813.4 | 2990.7 | 3155.6 |
| 15° | 544.0 | 681.8 | 851.7 | 1147.0 | 1415.3 | 1646.7 | 1883.0 | 2276.8 | 2710.1 | 2939.0 | 3140.8 |
| 17.5° | 275.7 | 317.5 | 457.8 | 713.8 | 1068.3 | 1447.3 | 1799.3 | 2301.5 | 2788.8 | 3069.4 | 3236.8 |
| 20° | 206.8 | 219.1 | 258.5 | 379.1 | 731.1 | 1196.3 | 1720.6 | 2338.4 | 3007.9 | 3350.0 | 3441.1 |
| 22.5° | 179.7 | 189.5 | 206.8 | 246.1 | 411.1 | 915.7 | 1609.8 | 2429.5 | 3305.7 | 3628.2 | 3820.2 |
| 25° | 152.6 | 162.5 | 177.2 | 201.8 | 263.4 | 622.7 | 1474.4 | 2525.5 | 3571.6 | 3977.7 | 4157.4 |
| 27.5° | 132.9 | 140.3 | 155.1 | 174.8 | 214.1 | 396.3 | 1240.6 | 2653.4 | 3977.7 | 4401.1 | 4447.8 |
| 30° | 113.2 | 120.6 | 132.9 | 155.1 | 182.1 | 280.6 | 910.7 | 2670.7 | 4201.7 | 4585.7 | 4716.1 |
| 32.5° | 98.5 | 100.9 | 115.7 | 135.4 | 152.6 | 221.5 | 640.0 | 2687.9 | 4366.6 | 4824.4 | 4851.5 |
| 35° | 81.2 | 86.2 | 100.9 | 113.2 | 132.9 | 174.8 | 484.9 | 2601.8 | 4580.8 | 5070.6 | 5063.2 |
| 37.5° | 66.5 | 73.8 | 83.7 | 93.5 | 108.3 | 147.7 | 386.4 | 2441.8 | 4849.1 | 5452.1 | 5220.7 |
| 40° | 51.7 | 59.1 | 68.9 | 81.2 | 91.1 | 132.9 | 290.5 | 2200.5 | 5129.7 | 5639.2 | 5393.0 |
| 42.5° | 36.9 | 41.8 | 51.7 | 64.0 | 81.2 | 110.8 | 209.2 | 1915.0 | 5240.4 | 5858.3 | 5599.8 |
| 45° | 27.1 | 32.0 | 39.4 | 54.2 | 83.7 | 88.6 | 145.2 | 1654.1 | 5358.6 | 5954.3 | 5553.0 |
| 47.5° | 14.8 | 19.7 | 29.5 | 46.8 | 73.8 | 66.5 | 103.4 | 1420.3 | 5494.0 | 6040.4 | 5590.0 |
| 50° | 4.9 | 7.4 | 17.2 | 49.2 | 59.1 | 51.7 | 81.2 | 1294.7 | 5626.9 | 6057.6 | 5663.8 |
| 52.5° | 0.0 | 0.0 | 9.8 | 51.7 | 44.3 | 39.4 | 71.4 | 1245.5 | 5592.4 | 6111.8 | 5617.0 |
| 55° | 0.0 | 0.0 | 2.5 | 22.2 | 24.6 | 29.5 | 59.1 | 1243.0 | 5836.1 | 6129.0 | 5873.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 7.4 | 14.8 | 24.6 | 51.7 | 1164.3 | 5991.2 | 6557.3 | 6217.6 |
| 60° | 0.0 | 0.0 | 0.0 | 2.5 | 9.8 | 17.2 | 39.4 | 1095.3 | 6148.7 | 6749.3 | 6586.9 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 7.4 | 27.1 | 989.5 | 5831.2 | 6734.5 | 6943.8 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.2 | 782.7 | 5245.4 | 6382.5 | 6746.8 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 541.5 | 4593.1 | 5939.5 | 6385.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 327.4 | 3706.9 | 5208.4 | 5415.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 140.3 | 2646.1 | 4135.2 | 4442.9 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.6 | 1636.9 | 3022.7 | 3401.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.2 | 1060.9 | 2289.2 | 2582.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 566.1 | 1435.0 | 1668.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 246.1 | 871.4 | 1004.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 78.8 | 529.2 | 603.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.2 | 108.3 |
| 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: P599115
 CATALOG NUMBER: IFLD-S-SA3B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 | 3490.3 |
| 2.5° | 3758.6 | 3830.0 | 3857.1 | 3815.3 | 3820.2 | 3734.0 | 3721.7 | 3601.1 | 3551.9 | 3561.7 |
| 5° | 3930.9 | 4034.3 | 4090.9 | 4044.2 | 3938.3 | 3773.4 | 3623.3 | 3480.5 | 3391.9 | 3347.6 |
| 7.5° | 3891.6 | 4007.2 | 4078.6 | 4122.9 | 4002.3 | 3736.5 | 3507.6 | 3239.3 | 3126.0 | 3128.5 |
| 10° | 3675.0 | 3916.2 | 4061.4 | 4004.8 | 3948.2 | 3682.3 | 3327.9 | 3037.4 | 2936.5 | 2946.4 |
| 12.5° | 3500.2 | 3768.5 | 3854.6 | 3898.9 | 3783.3 | 3571.6 | 3332.8 | 3000.5 | 2887.3 | 2818.4 |
| 15° | 3391.9 | 3591.3 | 3596.2 | 3665.1 | 3618.3 | 3618.3 | 3384.5 | 3059.6 | 2961.1 | 2884.8 |
| 17.5° | 3391.9 | 3436.2 | 3431.3 | 3455.9 | 3534.6 | 3628.2 | 3515.0 | 3298.3 | 3103.9 | 3091.6 |
| 20° | 3468.2 | 3330.3 | 3298.3 | 3308.2 | 3374.7 | 3652.8 | 3802.9 | 3532.2 | 3409.1 | 3369.7 |
| 22.5° | 3645.4 | 3342.7 | 3148.2 | 3113.7 | 3318.0 | 3650.3 | 3987.6 | 3901.4 | 3687.3 | 3655.3 |
| 25° | 3889.1 | 3320.5 | 3108.8 | 3064.5 | 3219.6 | 3738.9 | 4241.1 | 4258.3 | 4063.9 | 3997.4 |
| 27.5° | 4120.5 | 3419.0 | 3103.9 | 3094.0 | 3298.3 | 3719.3 | 4415.8 | 4543.8 | 4324.8 | 4270.6 |
| 30° | 4199.2 | 3517.4 | 3195.0 | 3064.5 | 3327.9 | 3790.6 | 4410.9 | 4745.7 | 4602.9 | 4615.2 |
| 32.5° | 4292.8 | 3615.9 | 3204.8 | 3153.1 | 3453.4 | 3906.3 | 4551.2 | 5070.6 | 4967.2 | 4822.0 |
| 35° | 4430.6 | 3748.8 | 3298.3 | 3251.6 | 3542.0 | 4009.7 | 4580.8 | 5309.4 | 5292.1 | 5122.3 |
| 37.5° | 4548.8 | 3879.3 | 3492.8 | 3500.2 | 3812.8 | 4177.1 | 4711.2 | 5602.3 | 5572.7 | 5457.0 |
| 40° | 4632.5 | 4061.4 | 3795.6 | 3815.3 | 4049.1 | 4364.2 | 4942.6 | 5750.0 | 5969.0 | 5799.2 |
| 42.5° | 4644.8 | 4223.9 | 4142.6 | 4300.2 | 4519.2 | 4654.6 | 5036.1 | 5850.9 | 6165.9 | 6055.2 |
| 45° | 4691.5 | 4482.3 | 4708.8 | 4824.4 | 5004.1 | 4910.6 | 5031.2 | 6023.2 | 6180.7 | 6124.1 |
| 47.5° | 4873.7 | 4952.4 | 5238.0 | 5590.0 | 5654.0 | 5346.3 | 5149.4 | 6050.3 | 6264.4 | 6257.0 |
| 50° | 5063.2 | 5457.0 | 5858.3 | 6092.1 | 6173.3 | 5646.6 | 5260.1 | 6028.1 | 6375.2 | 6316.1 |
| 52.5° | 5274.9 | 5895.2 | 6473.6 | 6761.6 | 6717.3 | 5978.9 | 5385.7 | 6207.8 | 6579.5 | 6559.8 |
| 55° | 5407.8 | 6092.1 | 6869.9 | 7271.1 | 7236.7 | 6350.6 | 5784.4 | 6466.2 | 6847.8 | 6798.5 |
| 57.5° | 5759.8 | 6412.1 | 7263.8 | 7450.8 | 7541.9 | 6837.9 | 6062.6 | 6889.6 | 7071.8 | 7125.9 |
| 60° | 6050.3 | 6621.3 | 7367.1 | 7637.9 | 7669.9 | 7128.4 | 6549.9 | 7325.3 | 7357.3 | 7175.1 |
| 62.5° | 6476.1 | 6702.5 | 7148.1 | 7391.7 | 7556.7 | 7293.3 | 6988.1 | 7559.1 | 7352.4 | 7340.1 |
| 65° | 6788.7 | 6436.7 | 6739.5 | 6874.8 | 6980.7 | 7042.2 | 7428.7 | 7719.1 | 7261.3 | 7022.5 |
| 67.5° | 6613.9 | 5934.6 | 5878.0 | 5885.3 | 5917.3 | 6289.0 | 7281.0 | 7327.7 | 6754.2 | 6557.3 |
| 70° | 5821.3 | 4868.8 | 4792.5 | 4851.5 | 4691.5 | 5139.5 | 6682.8 | 6660.7 | 5959.2 | 5754.9 |
| 72.5° | 4708.8 | 3549.4 | 3419.0 | 3500.2 | 3537.1 | 4012.2 | 5622.0 | 5050.9 | 4346.9 | 4186.9 |
| 75° | 3741.4 | 2601.8 | 2195.6 | 2392.5 | 2518.1 | 2921.7 | 4391.2 | 3431.3 | 3035.0 | 2818.4 |
| 77.5° | 2939.0 | 1969.2 | 1708.2 | 1629.5 | 1745.2 | 2124.2 | 3195.0 | 1801.8 | 1590.1 | 1489.2 |
| 80° | 1863.3 | 1447.3 | 1570.4 | 1457.2 | 1506.4 | 1516.3 | 1663.9 | 819.7 | 652.3 | 644.9 |
| 82.5° | 1122.4 | 989.5 | 1176.6 | 647.4 | 1179.0 | 1053.5 | 691.7 | 371.7 | 329.8 | 329.8 |
| 85° | 795.0 | 612.9 | 406.1 | 263.4 | 524.3 | 578.4 | 268.3 | 192.0 | 167.4 | 162.5 |
| 87.5° | 398.8 | 189.5 | 91.1 | 59.1 | 66.5 | 108.3 | 32.0 | 14.8 | 14.8 | 12.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)