

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: P599111

Luminaire Tested: **IFLD-S-SA2C-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: P599111
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-722-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

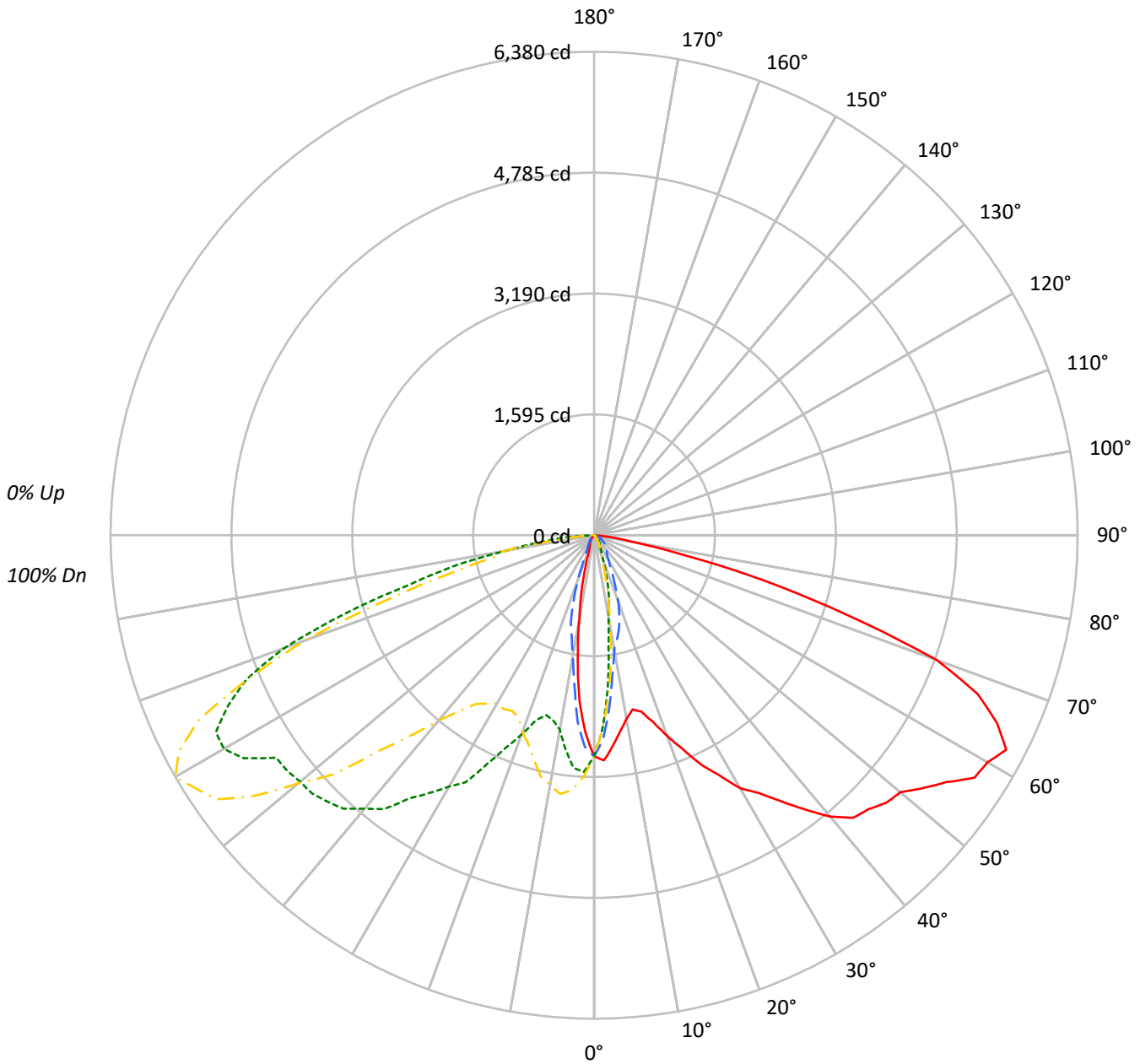
Lumens per Lamp: N/A
 Luminaire Lumens: 7626.2 lumens
 Efficiency: N/A
 Efficacy: 70.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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: P599111
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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 | 107 | 101 | 96 | 91 | 104 | 99 | 94 | 90 | 94 | 90 | 87 | 90 | 87 | 84 | 87 | 84 | 82 | 82 | 82 | 82 | 79 |
| 2 | 95 | 85 | 77 | 70 | 92 | 83 | 75 | 69 | 79 | 73 | 67 | 76 | 71 | 66 | 73 | 68 | 64 | 64 | 64 | 64 | 62 |
| 3 | 85 | 72 | 63 | 55 | 82 | 71 | 62 | 54 | 67 | 60 | 53 | 65 | 58 | 52 | 62 | 56 | 51 | 51 | 51 | 51 | 49 |
| 4 | 76 | 62 | 52 | 44 | 74 | 61 | 51 | 44 | 58 | 50 | 43 | 56 | 49 | 43 | 53 | 47 | 42 | 42 | 42 | 42 | 40 |
| 5 | 69 | 55 | 44 | 37 | 67 | 53 | 44 | 36 | 51 | 43 | 36 | 49 | 41 | 35 | 47 | 40 | 35 | 35 | 35 | 35 | 33 |
| 6 | 63 | 48 | 38 | 31 | 61 | 47 | 38 | 31 | 45 | 37 | 30 | 44 | 36 | 30 | 42 | 35 | 30 | 30 | 30 | 30 | 27 |
| 7 | 58 | 43 | 33 | 27 | 56 | 42 | 33 | 26 | 41 | 32 | 26 | 39 | 32 | 26 | 38 | 31 | 26 | 26 | 26 | 26 | 24 |
| 8 | 54 | 39 | 30 | 23 | 52 | 38 | 29 | 23 | 37 | 29 | 23 | 36 | 28 | 23 | 34 | 28 | 23 | 23 | 23 | 23 | 20 |
| 9 | 50 | 36 | 27 | 21 | 49 | 35 | 26 | 21 | 34 | 26 | 20 | 33 | 25 | 20 | 32 | 25 | 20 | 20 | 20 | 20 | 18 |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 24 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 18 | 18 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 62764 | 62764 | 62764 | 62764 |
| 5° | 60426 | 44164 | 47542 | 66602 |
| 10° | 53799 | 24046 | 24361 | 56945 |
| 15° | 53706 | 16038 | 9806 | 54713 |
| 20° | 64483 | 8007 | 3911 | 64107 |
| 25° | 79312 | 5031 | 3029 | 78923 |
| 30° | 95831 | 4037 | 2299 | 95217 |
| 35° | 112447 | 3243 | 1782 | 111312 |
| 40° | 136132 | 2774 | 1155 | 132374 |
| 45° | 155741 | 2503 | 627 | 151421 |
| 50° | 176694 | 2411 | 137 | 169466 |
| 55° | 213140 | 2316 | 0 | 192152 |
| 60° | 258050 | 1946 | 0 | 242735 |
| 65° | 298804 | 1569 | 0 | 271577 |
| 70° | 302574 | 1297 | 0 | 273841 |
| 75° | 195816 | 857 | 0 | 210006 |
| 80° | 66785 | 260 | 0 | 148607 |
| 85° | 33518 | 0 | 0 | 109201 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 220.9 | 2.9 |
| 10°-20° | 427.6 | 5.6 |
| 20°-30° | 595.6 | 7.8 |
| 30°-40° | 846.3 | 11.1 |
| 40°-50° | 1173.6 | 15.4 |
| 50°-60° | 1599.0 | 21.0 |
| 60°-70° | 1758.0 | 23.1 |
| 70°-80° | 864.1 | 11.3 |
| 80°-90° | 141.1 | 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° | 1244.1 | 16.3 |
| 0°-40° | 2090.4 | 27.4 |
| 0°-60° | 4863.0 | 63.8 |
| 0°-90° | 7626.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7626.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2916 | 2916 | 2916 | 2916 | 2916 | |
| 5° | 2796 | 2044 | 2200 | 3082 | 2796 | 256 |
| 15° | 2410 | 720 | 440 | 2455 | 2410 | 713 |
| 25° | 3339 | 212 | 128 | 3323 | 3339 | 1552 |
| 35° | 4279 | 123 | 68 | 4236 | 4279 | 2716 |
| 45° | 5116 | 82 | 21 | 4974 | 5116 | 3965 |
| 55° | 5679 | 62 | 0 | 5120 | 5679 | 5108 |
| 65° | 5866 | 31 | 0 | 5331 | 5866 | 5669 |
| 75° | 2354 | 10 | 0 | 2525 | 2354 | 2567 |
| 85° | 136 | 0 | 0 | 442 | 136 | 188 |
| 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° | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 |
| 2.5° | 2975.1 | 3010.1 | 2977.2 | 2862.0 | 2841.5 | 2786.0 | 2701.7 | 2695.5 | 2607.1 | 2617.4 | 2570.1 |
| 5° | 2796.2 | 2831.2 | 2761.3 | 2609.1 | 2467.3 | 2354.2 | 2286.3 | 2165.0 | 2138.3 | 2078.7 | 2078.7 |
| 7.5° | 2613.3 | 2611.2 | 2491.9 | 2364.5 | 2152.7 | 1945.0 | 1850.5 | 1675.7 | 1572.9 | 1517.4 | 1463.9 |
| 10° | 2461.1 | 2428.2 | 2354.2 | 2091.0 | 1860.7 | 1644.8 | 1527.7 | 1412.5 | 1305.6 | 1213.1 | 1120.6 |
| 12.5° | 2354.2 | 2374.7 | 2257.6 | 1971.8 | 1673.6 | 1523.5 | 1398.1 | 1276.8 | 1149.3 | 1044.5 | 941.7 |
| 15° | 2409.7 | 2376.8 | 2239.0 | 1945.0 | 1642.8 | 1437.2 | 1270.6 | 1122.6 | 980.7 | 843.0 | 764.9 |
| 17.5° | 2582.4 | 2498.1 | 2335.7 | 1945.0 | 1579.1 | 1305.6 | 1104.1 | 929.3 | 777.2 | 653.8 | 557.2 |
| 20° | 2814.7 | 2718.1 | 2543.3 | 2017.0 | 1531.8 | 1209.0 | 933.5 | 713.5 | 555.1 | 440.0 | 366.0 |
| 22.5° | 3053.2 | 2977.2 | 2714.0 | 2045.8 | 1476.3 | 1079.4 | 736.1 | 516.1 | 370.1 | 296.1 | 259.1 |
| 25° | 3339.0 | 3232.1 | 2944.3 | 2160.9 | 1394.0 | 954.0 | 579.8 | 359.8 | 275.5 | 236.4 | 213.8 |
| 27.5° | 3567.3 | 3548.8 | 3160.2 | 2230.8 | 1332.3 | 851.2 | 458.5 | 285.8 | 228.2 | 199.4 | 185.0 |
| 30° | 3855.1 | 3754.4 | 3423.3 | 2370.6 | 1262.4 | 734.0 | 382.4 | 257.0 | 209.7 | 178.9 | 168.6 |
| 32.5° | 4027.8 | 3980.5 | 3561.1 | 2448.8 | 1184.3 | 637.4 | 329.0 | 226.2 | 191.2 | 168.6 | 158.3 |
| 35° | 4278.7 | 4184.1 | 3758.5 | 2498.1 | 1143.2 | 581.9 | 296.1 | 205.6 | 160.4 | 137.8 | 125.4 |
| 37.5° | 4558.3 | 4523.3 | 3994.9 | 2496.1 | 1083.5 | 549.0 | 273.5 | 191.2 | 152.1 | 127.5 | 113.1 |
| 40° | 4844.1 | 4702.2 | 4138.8 | 2553.6 | 1052.7 | 524.3 | 257.0 | 183.0 | 143.9 | 121.3 | 102.8 |
| 42.5° | 5057.9 | 4895.5 | 4305.4 | 2533.1 | 1015.7 | 481.1 | 250.8 | 170.7 | 137.8 | 111.0 | 94.6 |
| 45° | 5115.5 | 5057.9 | 4455.5 | 2526.9 | 989.0 | 446.2 | 240.6 | 168.6 | 133.6 | 104.9 | 88.4 |
| 47.5° | 5226.5 | 5187.4 | 4640.5 | 2537.2 | 968.4 | 419.4 | 215.9 | 172.7 | 127.5 | 98.7 | 84.3 |
| 50° | 5275.8 | 5205.9 | 4790.6 | 2561.9 | 921.1 | 386.5 | 193.3 | 180.9 | 125.4 | 96.6 | 80.2 |
| 52.5° | 5479.4 | 5417.7 | 4996.2 | 2631.8 | 882.0 | 343.4 | 170.7 | 172.7 | 129.5 | 90.5 | 76.1 |
| 55° | 5678.8 | 5608.9 | 5312.9 | 2792.1 | 826.5 | 308.4 | 146.0 | 152.1 | 123.4 | 82.2 | 67.8 |
| 57.5° | 5952.3 | 5837.2 | 5524.6 | 2857.9 | 777.2 | 261.1 | 129.5 | 125.4 | 115.1 | 74.0 | 59.6 |
| 60° | 5993.4 | 6040.7 | 5493.8 | 2816.8 | 725.8 | 230.3 | 113.1 | 96.6 | 123.4 | 65.8 | 51.4 |
| 62.5° | 6131.2 | 5933.8 | 5349.9 | 2722.2 | 688.8 | 211.8 | 100.7 | 80.2 | 106.9 | 57.6 | 43.2 |
| 65° | 5865.9 | 5720.0 | 5012.7 | 2417.9 | 641.5 | 213.8 | 88.4 | 65.8 | 67.8 | 47.3 | 35.0 |
| 67.5° | 5477.3 | 5362.2 | 4453.4 | 2086.9 | 594.2 | 209.7 | 78.1 | 57.6 | 51.4 | 41.1 | 30.8 |
| 70° | 4807.1 | 4558.3 | 3783.1 | 1694.2 | 524.3 | 195.3 | 65.8 | 51.4 | 43.2 | 32.9 | 22.6 |
| 72.5° | 3497.4 | 3396.6 | 2714.0 | 1309.7 | 470.8 | 176.8 | 61.7 | 43.2 | 37.0 | 24.7 | 18.5 |
| 75° | 2354.2 | 2187.6 | 1712.7 | 859.4 | 378.3 | 154.2 | 51.4 | 39.1 | 28.8 | 18.5 | 14.4 |
| 77.5° | 1243.9 | 1176.1 | 970.5 | 409.2 | 209.7 | 72.0 | 28.8 | 22.6 | 16.4 | 14.4 | 8.2 |
| 80° | 538.7 | 479.1 | 419.4 | 166.5 | 74.0 | 32.9 | 18.5 | 12.3 | 10.3 | 8.2 | 4.1 |
| 82.5° | 275.5 | 263.2 | 217.9 | 72.0 | 43.2 | 24.7 | 10.3 | 8.2 | 6.2 | 4.1 | 2.1 |
| 85° | 135.7 | 139.8 | 115.1 | 22.6 | 24.7 | 14.4 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 10.3 | 10.3 | 8.2 | 4.1 | 6.2 | 2.1 | 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° | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 |
| 2.5° | 2551.6 | 2580.4 | 2531.0 | 2561.9 | 2547.5 | 2553.6 | 2559.8 | 2543.3 | 2547.5 | 2605.0 | 2607.1 |
| 5° | 2043.7 | 2099.2 | 2078.7 | 2107.5 | 2156.8 | 2132.1 | 2154.8 | 2150.6 | 2154.8 | 2163.0 | 2200.0 |
| 7.5° | 1457.7 | 1441.3 | 1480.4 | 1556.4 | 1644.8 | 1698.3 | 1671.6 | 1657.2 | 1649.0 | 1628.4 | 1653.1 |
| 10° | 1100.0 | 1091.8 | 1081.5 | 1104.1 | 1161.7 | 1221.3 | 1254.2 | 1198.7 | 1167.8 | 1128.8 | 1114.4 |
| 12.5° | 912.9 | 861.5 | 832.7 | 797.8 | 814.2 | 867.7 | 869.7 | 816.3 | 766.9 | 746.3 | 769.0 |
| 15° | 719.6 | 684.7 | 633.3 | 583.9 | 559.2 | 600.4 | 565.4 | 514.0 | 450.3 | 442.1 | 440.0 |
| 17.5° | 514.0 | 493.5 | 456.4 | 435.9 | 407.1 | 396.8 | 359.8 | 281.7 | 236.4 | 224.1 | 228.2 |
| 20° | 349.5 | 333.1 | 331.0 | 312.5 | 300.2 | 292.0 | 232.3 | 180.9 | 166.5 | 168.6 | 170.7 |
| 22.5° | 259.1 | 250.8 | 240.6 | 238.5 | 228.2 | 217.9 | 170.7 | 152.1 | 141.9 | 141.9 | 148.0 |
| 25° | 211.8 | 207.7 | 197.4 | 193.3 | 189.2 | 174.8 | 143.9 | 129.5 | 125.4 | 121.3 | 127.5 |
| 27.5° | 180.9 | 178.9 | 172.7 | 166.5 | 162.4 | 148.0 | 125.4 | 113.1 | 109.0 | 109.0 | 109.0 |
| 30° | 162.4 | 162.4 | 154.2 | 141.9 | 141.9 | 125.4 | 106.9 | 98.7 | 94.6 | 94.6 | 92.5 |
| 32.5° | 152.1 | 148.0 | 137.8 | 129.5 | 123.4 | 106.9 | 94.6 | 86.4 | 80.2 | 80.2 | 82.2 |
| 35° | 123.4 | 123.4 | 121.3 | 115.1 | 106.9 | 90.5 | 80.2 | 72.0 | 67.8 | 65.8 | 67.8 |
| 37.5° | 109.0 | 102.8 | 94.6 | 96.6 | 92.5 | 78.1 | 67.8 | 61.7 | 55.5 | 55.5 | 55.5 |
| 40° | 98.7 | 92.5 | 84.3 | 78.1 | 76.1 | 69.9 | 59.6 | 49.3 | 43.2 | 41.1 | 41.1 |
| 42.5° | 88.4 | 84.3 | 72.0 | 61.7 | 59.6 | 59.6 | 45.2 | 37.0 | 30.8 | 30.8 | 30.8 |
| 45° | 82.2 | 76.1 | 65.8 | 53.5 | 43.2 | 45.2 | 37.0 | 26.7 | 22.6 | 20.6 | 20.6 |
| 47.5° | 78.1 | 72.0 | 57.6 | 45.2 | 32.9 | 32.9 | 26.7 | 18.5 | 14.4 | 12.3 | 12.3 |
| 50° | 72.0 | 65.8 | 51.4 | 37.0 | 24.7 | 20.6 | 16.4 | 10.3 | 6.2 | 4.1 | 4.1 |
| 52.5° | 67.8 | 61.7 | 45.2 | 30.8 | 20.6 | 14.4 | 10.3 | 2.1 | 0.0 | 0.0 | 0.0 |
| 55° | 61.7 | 53.5 | 39.1 | 24.7 | 16.4 | 8.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 53.5 | 47.3 | 30.8 | 18.5 | 10.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 45.2 | 39.1 | 24.7 | 14.4 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 37.0 | 32.9 | 18.5 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 30.8 | 24.7 | 14.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 26.7 | 20.6 | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 20.6 | 14.4 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 14.4 | 10.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 10.3 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 6.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 2.1 | 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° | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 |
| 2.5° | 2615.3 | 2677.0 | 2734.6 | 2751.0 | 2796.2 | 2921.7 | 2921.7 | 2981.3 | 3088.2 | 3127.3 | 3135.5 |
| 5° | 2206.2 | 2271.9 | 2284.3 | 2411.8 | 2471.4 | 2598.9 | 2683.2 | 2884.7 | 3006.0 | 3082.0 | 3129.3 |
| 7.5° | 1677.7 | 1700.4 | 1747.7 | 1866.9 | 1984.1 | 2138.3 | 2298.7 | 2555.7 | 2769.5 | 2855.9 | 3016.2 |
| 10° | 1153.4 | 1221.3 | 1324.1 | 1431.0 | 1614.0 | 1784.7 | 1992.3 | 2234.9 | 2498.1 | 2605.0 | 2742.8 |
| 12.5° | 777.2 | 871.8 | 1036.3 | 1188.4 | 1357.0 | 1529.7 | 1727.1 | 2051.9 | 2350.1 | 2498.1 | 2635.9 |
| 15° | 454.4 | 569.5 | 711.4 | 958.1 | 1182.2 | 1375.5 | 1572.9 | 1901.9 | 2263.7 | 2454.9 | 2623.5 |
| 17.5° | 230.3 | 265.2 | 382.4 | 596.3 | 892.3 | 1209.0 | 1503.0 | 1922.4 | 2329.5 | 2563.9 | 2703.7 |
| 20° | 172.7 | 183.0 | 215.9 | 316.6 | 610.6 | 999.2 | 1437.2 | 1953.3 | 2512.5 | 2798.3 | 2874.4 |
| 22.5° | 150.1 | 158.3 | 172.7 | 205.6 | 343.4 | 764.9 | 1344.7 | 2029.3 | 2761.3 | 3030.6 | 3191.0 |
| 25° | 127.5 | 135.7 | 148.0 | 168.6 | 220.0 | 520.2 | 1231.6 | 2109.5 | 2983.3 | 3322.6 | 3472.7 |
| 27.5° | 111.0 | 117.2 | 129.5 | 146.0 | 178.9 | 331.0 | 1036.3 | 2216.4 | 3322.6 | 3676.2 | 3715.3 |
| 30° | 94.6 | 100.7 | 111.0 | 129.5 | 152.1 | 234.4 | 760.7 | 2230.8 | 3509.7 | 3830.4 | 3939.4 |
| 32.5° | 82.2 | 84.3 | 96.6 | 113.1 | 127.5 | 185.0 | 534.6 | 2245.2 | 3647.4 | 4029.9 | 4052.5 |
| 35° | 67.8 | 72.0 | 84.3 | 94.6 | 111.0 | 146.0 | 405.0 | 2173.3 | 3826.3 | 4235.5 | 4229.3 |
| 37.5° | 55.5 | 61.7 | 69.9 | 78.1 | 90.5 | 123.4 | 322.8 | 2039.6 | 4050.4 | 4554.2 | 4360.9 |
| 40° | 43.2 | 49.3 | 57.6 | 67.8 | 76.1 | 111.0 | 242.6 | 1838.1 | 4284.8 | 4710.4 | 4504.8 |
| 42.5° | 30.8 | 35.0 | 43.2 | 53.5 | 67.8 | 92.5 | 174.8 | 1599.6 | 4377.4 | 4893.4 | 4677.5 |
| 45° | 22.6 | 26.7 | 32.9 | 45.2 | 69.9 | 74.0 | 121.3 | 1381.7 | 4476.0 | 4973.6 | 4638.5 |
| 47.5° | 12.3 | 16.4 | 24.7 | 39.1 | 61.7 | 55.5 | 86.4 | 1186.3 | 4589.1 | 5045.6 | 4669.3 |
| 50° | 4.1 | 6.2 | 14.4 | 41.1 | 49.3 | 43.2 | 67.8 | 1081.5 | 4700.2 | 5060.0 | 4731.0 |
| 52.5° | 0.0 | 0.0 | 8.2 | 43.2 | 37.0 | 32.9 | 59.6 | 1040.4 | 4671.4 | 5105.2 | 4691.9 |
| 55° | 0.0 | 0.0 | 2.1 | 18.5 | 20.6 | 24.7 | 49.3 | 1038.3 | 4874.9 | 5119.6 | 4905.8 |
| 57.5° | 0.0 | 0.0 | 0.0 | 6.2 | 12.3 | 20.6 | 43.2 | 972.5 | 5004.4 | 5477.3 | 5193.6 |
| 60° | 0.0 | 0.0 | 0.0 | 2.1 | 8.2 | 14.4 | 32.9 | 914.9 | 5136.0 | 5637.7 | 5502.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 6.2 | 22.6 | 826.5 | 4870.8 | 5625.4 | 5800.1 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.4 | 653.8 | 4381.5 | 5331.4 | 5635.7 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 452.3 | 3836.6 | 4961.3 | 5333.4 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 273.5 | 3096.4 | 4350.6 | 4523.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 117.2 | 2210.3 | 3454.2 | 3711.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.3 | 1367.3 | 2524.8 | 2841.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 | 886.2 | 1912.1 | 2156.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 472.9 | 1198.7 | 1394.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 205.6 | 727.8 | 838.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.8 | 442.1 | 503.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.8 | 90.5 |
| 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: P599111
 CATALOG NUMBER: IFLD-S-SA2C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 | 2915.5 |
| 2.5° | 3139.6 | 3199.2 | 3221.8 | 3186.9 | 3191.0 | 3119.0 | 3108.8 | 3008.0 | 2966.9 | 2975.1 |
| 5° | 3283.5 | 3369.9 | 3417.2 | 3378.1 | 3289.7 | 3151.9 | 3026.5 | 2907.3 | 2833.3 | 2796.2 |
| 7.5° | 3250.6 | 3347.3 | 3406.9 | 3443.9 | 3343.2 | 3121.1 | 2929.9 | 2705.8 | 2611.2 | 2613.3 |
| 10° | 3069.7 | 3271.2 | 3392.5 | 3345.2 | 3297.9 | 3075.9 | 2779.8 | 2537.2 | 2452.9 | 2461.1 |
| 12.5° | 2923.7 | 3147.8 | 3219.8 | 3256.8 | 3160.2 | 2983.3 | 2783.9 | 2506.3 | 2411.8 | 2354.2 |
| 15° | 2833.3 | 2999.8 | 3003.9 | 3061.5 | 3022.4 | 3022.4 | 2827.1 | 2555.7 | 2473.4 | 2409.7 |
| 17.5° | 2833.3 | 2870.3 | 2866.1 | 2886.7 | 2952.5 | 3030.6 | 2936.1 | 2755.1 | 2592.7 | 2582.4 |
| 20° | 2897.0 | 2781.8 | 2755.1 | 2763.3 | 2818.9 | 3051.2 | 3176.6 | 2950.4 | 2847.6 | 2814.7 |
| 22.5° | 3045.0 | 2792.1 | 2629.7 | 2600.9 | 2771.6 | 3049.1 | 3330.8 | 3258.9 | 3080.0 | 3053.2 |
| 25° | 3248.6 | 2773.6 | 2596.8 | 2559.8 | 2689.3 | 3123.2 | 3542.6 | 3557.0 | 3394.6 | 3339.0 |
| 27.5° | 3441.8 | 2855.9 | 2592.7 | 2584.5 | 2755.1 | 3106.7 | 3688.6 | 3795.5 | 3612.5 | 3567.3 |
| 30° | 3507.6 | 2938.1 | 2668.8 | 2559.8 | 2779.8 | 3166.3 | 3684.5 | 3964.1 | 3844.8 | 3855.1 |
| 32.5° | 3585.8 | 3020.4 | 2677.0 | 2633.8 | 2884.7 | 3263.0 | 3801.7 | 4235.5 | 4149.1 | 4027.8 |
| 35° | 3700.9 | 3131.4 | 2755.1 | 2716.1 | 2958.7 | 3349.3 | 3826.3 | 4434.9 | 4420.5 | 4278.7 |
| 37.5° | 3799.6 | 3240.3 | 2917.5 | 2923.7 | 3184.8 | 3489.1 | 3935.3 | 4679.6 | 4654.9 | 4558.3 |
| 40° | 3869.5 | 3392.5 | 3170.4 | 3186.9 | 3382.2 | 3645.4 | 4128.6 | 4803.0 | 4985.9 | 4844.1 |
| 42.5° | 3879.8 | 3528.2 | 3460.3 | 3591.9 | 3774.9 | 3888.0 | 4206.7 | 4887.3 | 5150.4 | 5057.9 |
| 45° | 3918.8 | 3744.1 | 3933.2 | 4029.9 | 4180.0 | 4101.8 | 4202.6 | 5031.2 | 5162.8 | 5115.5 |
| 47.5° | 4071.0 | 4136.8 | 4375.3 | 4669.3 | 4722.8 | 4465.8 | 4301.3 | 5053.8 | 5232.7 | 5226.5 |
| 50° | 4229.3 | 4558.3 | 4893.4 | 5088.7 | 5156.6 | 4716.6 | 4393.8 | 5035.3 | 5325.2 | 5275.8 |
| 52.5° | 4406.1 | 4924.3 | 5407.4 | 5648.0 | 5611.0 | 4994.2 | 4498.7 | 5185.4 | 5495.8 | 5479.4 |
| 55° | 4517.2 | 5088.7 | 5738.5 | 6073.6 | 6044.8 | 5304.6 | 4831.7 | 5401.3 | 5720.0 | 5678.8 |
| 57.5° | 4811.2 | 5356.0 | 6067.4 | 6223.7 | 6299.8 | 5711.7 | 5064.1 | 5754.9 | 5907.1 | 5952.3 |
| 60° | 5053.8 | 5530.8 | 6153.8 | 6380.0 | 6406.7 | 5954.3 | 5471.2 | 6118.8 | 6145.6 | 5993.4 |
| 62.5° | 5409.5 | 5598.7 | 5970.8 | 6174.3 | 6312.1 | 6092.1 | 5837.2 | 6314.2 | 6141.4 | 6131.2 |
| 65° | 5670.6 | 5376.6 | 5629.5 | 5742.6 | 5831.0 | 5882.4 | 6205.2 | 6447.8 | 6065.4 | 5865.9 |
| 67.5° | 5524.6 | 4957.2 | 4909.9 | 4916.0 | 4942.8 | 5253.2 | 6081.8 | 6120.9 | 5641.8 | 5477.3 |
| 70° | 4862.6 | 4066.9 | 4003.1 | 4052.5 | 3918.8 | 4293.1 | 5582.2 | 5563.7 | 4977.7 | 4807.1 |
| 72.5° | 3933.2 | 2964.8 | 2855.9 | 2923.7 | 2954.6 | 3351.4 | 4696.0 | 4219.0 | 3631.0 | 3497.4 |
| 75° | 3125.2 | 2173.3 | 1834.0 | 1998.5 | 2103.3 | 2440.5 | 3668.0 | 2866.1 | 2535.1 | 2354.2 |
| 77.5° | 2454.9 | 1644.8 | 1426.9 | 1361.1 | 1457.7 | 1774.4 | 2668.8 | 1505.0 | 1328.2 | 1243.9 |
| 80° | 1556.4 | 1209.0 | 1311.8 | 1217.2 | 1258.3 | 1266.5 | 1389.9 | 684.7 | 544.9 | 538.7 |
| 82.5° | 937.6 | 826.5 | 982.8 | 540.7 | 984.9 | 880.0 | 577.8 | 310.5 | 275.5 | 275.5 |
| 85° | 664.1 | 512.0 | 339.2 | 220.0 | 437.9 | 483.2 | 224.1 | 160.4 | 139.8 | 135.7 |
| 87.5° | 333.1 | 158.3 | 76.1 | 49.3 | 55.5 | 90.5 | 26.7 | 12.3 | 12.3 | 10.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)