

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: P599327

Luminaire Tested: **IFLD-M-SA4A-827-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: P599327
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

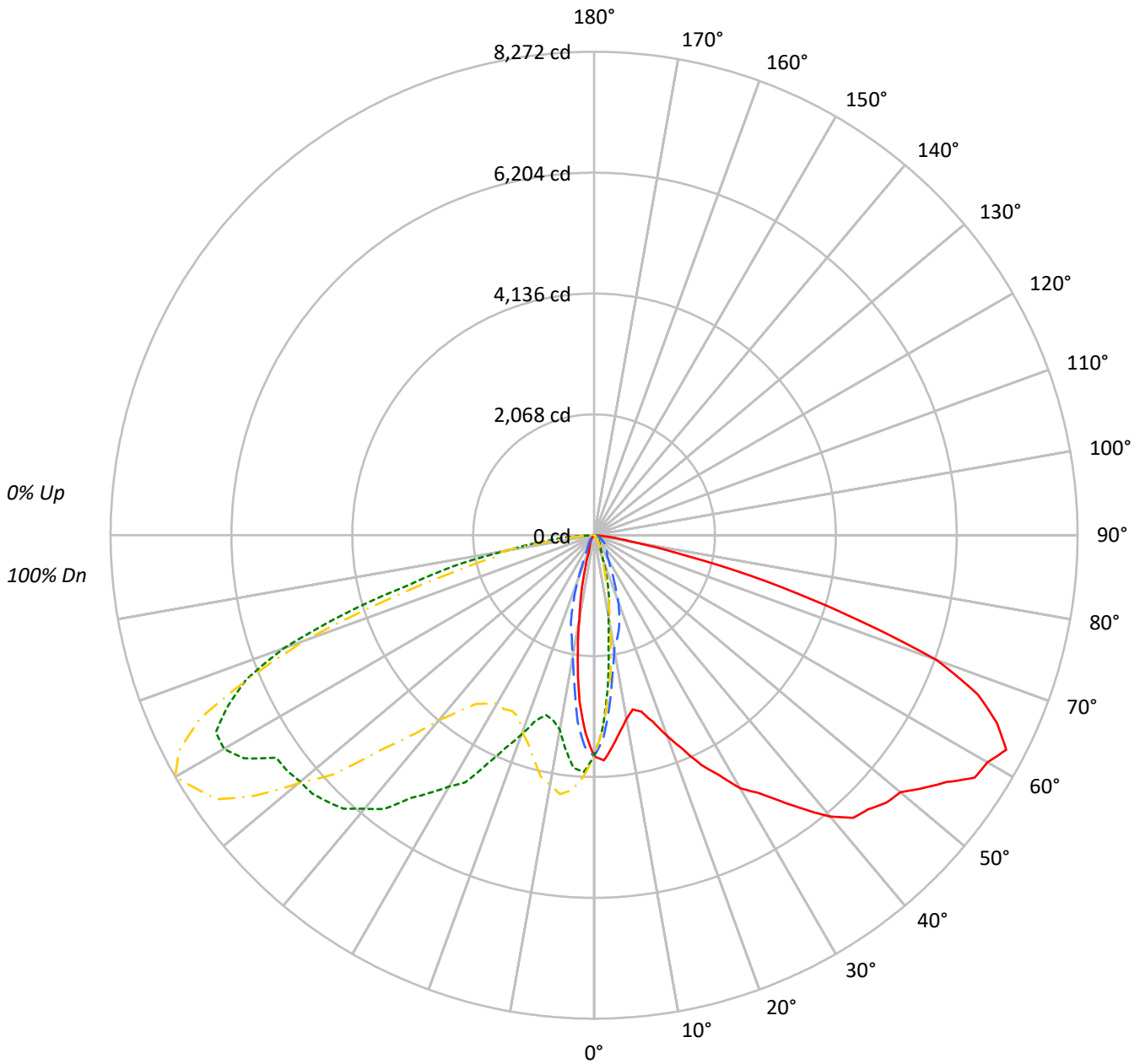
Lumens per Lamp: N/A
 Luminaire Lumens: 9888.5 lumens
 Efficiency: N/A
 Efficacy: 76.9 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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°

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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° | 40692 | 40692 | 40692 | 40692 |
| 5° | 39176 | 28633 | 30822 | 43180 |
| 10° | 34880 | 15589 | 15794 | 36919 |
| 15° | 34818 | 10398 | 6357 | 35472 |
| 20° | 41806 | 5191 | 2535 | 41562 |
| 25° | 51421 | 3261 | 1963 | 51167 |
| 30° | 62129 | 2618 | 1491 | 61732 |
| 35° | 72901 | 2102 | 1156 | 72165 |
| 40° | 88258 | 1799 | 749 | 85822 |
| 45° | 100971 | 1623 | 406 | 98170 |
| 50° | 114556 | 1562 | 89 | 109868 |
| 55° | 138184 | 1501 | 0 | 124576 |
| 60° | 167299 | 1264 | 0 | 157371 |
| 65° | 193722 | 1019 | 0 | 176069 |
| 70° | 196166 | 840 | 0 | 177537 |
| 75° | 126953 | 553 | 0 | 136153 |
| 80° | 43298 | 167 | 0 | 96346 |
| 85° | 21736 | 0 | 0 | 70791 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 286.4 | 2.9 |
| 10°-20° | 554.5 | 5.6 |
| 20°-30° | 772.3 | 7.8 |
| 30°-40° | 1097.3 | 11.1 |
| 40°-50° | 1521.7 | 15.4 |
| 50°-60° | 2073.4 | 21.0 |
| 60°-70° | 2279.6 | 23.1 |
| 70°-80° | 1120.4 | 11.3 |
| 80°-90° | 183.0 | 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° | 1613.2 | 16.3 |
| 0°-40° | 2710.5 | 27.4 |
| 0°-60° | 6305.6 | 63.8 |
| 0°-90° | 9888.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9888.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3780 | 3780 | 3780 | 3780 | 3780 | |
| 5° | 3626 | 2650 | 2853 | 3996 | 3626 | 332 |
| 15° | 3124 | 933 | 570 | 3183 | 3124 | 925 |
| 25° | 4330 | 275 | 165 | 4308 | 4330 | 2013 |
| 35° | 5548 | 160 | 88 | 5492 | 5548 | 3522 |
| 45° | 6633 | 107 | 27 | 6449 | 6633 | 5142 |
| 55° | 7363 | 80 | 0 | 6638 | 7363 | 6624 |
| 65° | 7606 | 40 | 0 | 6913 | 7606 | 7350 |
| 75° | 3053 | 13 | 0 | 3274 | 3053 | 3328 |
| 85° | 176 | 0 | 0 | 573 | 176 | 243 |
| 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° | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 |
| 2.5° | 3857.7 | 3903.0 | 3860.3 | 3711.0 | 3684.4 | 3612.4 | 3503.1 | 3495.1 | 3380.5 | 3393.8 | 3332.5 |
| 5° | 3625.7 | 3671.1 | 3580.4 | 3383.1 | 3199.2 | 3052.6 | 2964.6 | 2807.3 | 2772.6 | 2695.3 | 2695.3 |
| 7.5° | 3388.5 | 3385.8 | 3231.2 | 3065.9 | 2791.3 | 2522.0 | 2399.4 | 2172.8 | 2039.5 | 1967.5 | 1898.2 |
| 10° | 3191.2 | 3148.5 | 3052.6 | 2711.3 | 2412.7 | 2132.8 | 1980.8 | 1831.5 | 1692.9 | 1572.9 | 1453.0 |
| 12.5° | 3052.6 | 3079.2 | 2927.2 | 2556.7 | 2170.1 | 1975.5 | 1812.9 | 1655.6 | 1490.3 | 1354.3 | 1221.0 |
| 15° | 3124.5 | 3081.9 | 2903.3 | 2522.0 | 2130.1 | 1863.5 | 1647.6 | 1455.6 | 1271.7 | 1093.1 | 991.7 |
| 17.5° | 3348.5 | 3239.2 | 3028.6 | 2522.0 | 2047.5 | 1692.9 | 1431.6 | 1205.0 | 1007.7 | 847.8 | 722.5 |
| 20° | 3649.7 | 3524.4 | 3297.8 | 2615.3 | 1986.2 | 1567.6 | 1210.4 | 925.1 | 719.8 | 570.5 | 474.5 |
| 22.5° | 3959.0 | 3860.3 | 3519.1 | 2652.7 | 1914.2 | 1399.6 | 954.4 | 669.2 | 479.9 | 383.9 | 335.9 |
| 25° | 4329.6 | 4190.9 | 3817.7 | 2801.9 | 1807.5 | 1237.0 | 751.8 | 466.5 | 357.2 | 306.6 | 277.3 |
| 27.5° | 4625.5 | 4601.5 | 4097.6 | 2892.6 | 1727.6 | 1103.7 | 594.5 | 370.6 | 295.9 | 258.6 | 239.9 |
| 30° | 4998.7 | 4868.1 | 4438.9 | 3073.9 | 1636.9 | 951.8 | 495.9 | 333.2 | 271.9 | 231.9 | 218.6 |
| 32.5° | 5222.7 | 5161.3 | 4617.5 | 3175.2 | 1535.6 | 826.5 | 426.6 | 293.3 | 247.9 | 218.6 | 205.3 |
| 35° | 5547.9 | 5425.3 | 4873.4 | 3239.2 | 1482.3 | 754.5 | 383.9 | 266.6 | 207.9 | 178.6 | 162.6 |
| 37.5° | 5910.5 | 5865.2 | 5180.0 | 3236.5 | 1405.0 | 711.8 | 354.6 | 247.9 | 197.3 | 165.3 | 146.6 |
| 40° | 6281.1 | 6097.1 | 5366.6 | 3311.2 | 1365.0 | 679.8 | 333.2 | 237.3 | 186.6 | 157.3 | 133.3 |
| 42.5° | 6558.3 | 6347.7 | 5582.6 | 3284.5 | 1317.0 | 623.8 | 325.2 | 221.3 | 178.6 | 144.0 | 122.6 |
| 45° | 6633.0 | 6558.3 | 5777.2 | 3276.5 | 1282.3 | 578.5 | 311.9 | 218.6 | 173.3 | 136.0 | 114.6 |
| 47.5° | 6776.9 | 6726.3 | 6017.1 | 3289.8 | 1255.7 | 543.9 | 279.9 | 223.9 | 165.3 | 128.0 | 109.3 |
| 50° | 6840.9 | 6750.3 | 6211.7 | 3321.8 | 1194.4 | 501.2 | 250.6 | 234.6 | 162.6 | 125.3 | 104.0 |
| 52.5° | 7104.8 | 7024.9 | 6478.3 | 3412.5 | 1143.7 | 445.2 | 221.3 | 223.9 | 168.0 | 117.3 | 98.6 |
| 55° | 7363.4 | 7272.8 | 6888.9 | 3620.4 | 1071.7 | 399.9 | 189.3 | 197.3 | 160.0 | 106.6 | 88.0 |
| 57.5° | 7718.0 | 7568.7 | 7163.5 | 3705.7 | 1007.7 | 338.6 | 168.0 | 162.6 | 149.3 | 96.0 | 77.3 |
| 60° | 7771.3 | 7832.7 | 7123.5 | 3652.4 | 941.1 | 298.6 | 146.6 | 125.3 | 160.0 | 85.3 | 66.6 |
| 62.5° | 7950.0 | 7694.0 | 6936.9 | 3529.8 | 893.1 | 274.6 | 130.6 | 104.0 | 138.6 | 74.6 | 56.0 |
| 65° | 7606.0 | 7416.8 | 6499.7 | 3135.2 | 831.8 | 277.3 | 114.6 | 85.3 | 88.0 | 61.3 | 45.3 |
| 67.5° | 7102.2 | 6952.9 | 5774.5 | 2706.0 | 770.5 | 271.9 | 101.3 | 74.6 | 66.6 | 53.3 | 40.0 |
| 70° | 6233.1 | 5910.5 | 4905.4 | 2196.8 | 679.8 | 253.3 | 85.3 | 66.6 | 56.0 | 42.7 | 29.3 |
| 72.5° | 4534.8 | 4404.2 | 3519.1 | 1698.2 | 610.5 | 229.3 | 80.0 | 56.0 | 48.0 | 32.0 | 24.0 |
| 75° | 3052.6 | 2836.6 | 2220.8 | 1114.4 | 490.5 | 199.9 | 66.6 | 50.7 | 37.3 | 24.0 | 18.7 |
| 77.5° | 1612.9 | 1524.9 | 1258.3 | 530.5 | 271.9 | 93.3 | 37.3 | 29.3 | 21.3 | 18.7 | 10.7 |
| 80° | 698.5 | 621.2 | 543.9 | 215.9 | 96.0 | 42.7 | 24.0 | 16.0 | 13.3 | 10.7 | 5.3 |
| 82.5° | 357.2 | 341.2 | 282.6 | 93.3 | 56.0 | 32.0 | 13.3 | 10.7 | 8.0 | 5.3 | 2.7 |
| 85° | 176.0 | 181.3 | 149.3 | 29.3 | 32.0 | 18.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 13.3 | 13.3 | 10.7 | 5.3 | 8.0 | 2.7 | 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° | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 |
| 2.5° | 3308.5 | 3345.8 | 3281.8 | 3321.8 | 3303.2 | 3311.2 | 3319.1 | 3297.8 | 3303.2 | 3377.8 | 3380.5 |
| 5° | 2650.0 | 2722.0 | 2695.3 | 2732.6 | 2796.6 | 2764.6 | 2794.0 | 2788.6 | 2794.0 | 2804.6 | 2852.6 |
| 7.5° | 1890.2 | 1868.9 | 1919.5 | 2018.1 | 2132.8 | 2202.1 | 2167.4 | 2148.8 | 2138.1 | 2111.5 | 2143.5 |
| 10° | 1426.3 | 1415.6 | 1402.3 | 1431.6 | 1506.3 | 1583.6 | 1626.2 | 1554.3 | 1514.3 | 1463.6 | 1445.0 |
| 12.5° | 1183.7 | 1117.0 | 1079.7 | 1034.4 | 1055.7 | 1125.0 | 1127.7 | 1058.4 | 994.4 | 967.8 | 997.1 |
| 15° | 933.1 | 887.8 | 821.1 | 757.1 | 725.1 | 778.5 | 733.1 | 666.5 | 583.9 | 573.2 | 570.5 |
| 17.5° | 666.5 | 639.8 | 591.8 | 565.2 | 527.9 | 514.5 | 466.5 | 365.2 | 306.6 | 290.6 | 295.9 |
| 20° | 453.2 | 431.9 | 429.2 | 405.2 | 389.2 | 378.6 | 301.3 | 234.6 | 215.9 | 218.6 | 221.3 |
| 22.5° | 335.9 | 325.2 | 311.9 | 309.3 | 295.9 | 282.6 | 221.3 | 197.3 | 184.0 | 184.0 | 192.0 |
| 25° | 274.6 | 269.3 | 255.9 | 250.6 | 245.3 | 226.6 | 186.6 | 168.0 | 162.6 | 157.3 | 165.3 |
| 27.5° | 234.6 | 231.9 | 223.9 | 215.9 | 210.6 | 192.0 | 162.6 | 146.6 | 141.3 | 141.3 | 141.3 |
| 30° | 210.6 | 210.6 | 199.9 | 184.0 | 184.0 | 162.6 | 138.6 | 128.0 | 122.6 | 122.6 | 120.0 |
| 32.5° | 197.3 | 192.0 | 178.6 | 168.0 | 160.0 | 138.6 | 122.6 | 112.0 | 104.0 | 104.0 | 106.6 |
| 35° | 160.0 | 160.0 | 157.3 | 149.3 | 138.6 | 117.3 | 104.0 | 93.3 | 88.0 | 85.3 | 88.0 |
| 37.5° | 141.3 | 133.3 | 122.6 | 125.3 | 120.0 | 101.3 | 88.0 | 80.0 | 72.0 | 72.0 | 72.0 |
| 40° | 128.0 | 120.0 | 109.3 | 101.3 | 98.6 | 90.6 | 77.3 | 64.0 | 56.0 | 53.3 | 53.3 |
| 42.5° | 114.6 | 109.3 | 93.3 | 80.0 | 77.3 | 77.3 | 58.7 | 48.0 | 40.0 | 40.0 | 40.0 |
| 45° | 106.6 | 98.6 | 85.3 | 69.3 | 56.0 | 58.7 | 48.0 | 34.7 | 29.3 | 26.7 | 26.7 |
| 47.5° | 101.3 | 93.3 | 74.6 | 58.7 | 42.7 | 42.7 | 34.7 | 24.0 | 18.7 | 16.0 | 16.0 |
| 50° | 93.3 | 85.3 | 66.6 | 48.0 | 32.0 | 26.7 | 21.3 | 13.3 | 8.0 | 5.3 | 5.3 |
| 52.5° | 88.0 | 80.0 | 58.7 | 40.0 | 26.7 | 18.7 | 13.3 | 2.7 | 0.0 | 0.0 | 0.0 |
| 55° | 80.0 | 69.3 | 50.7 | 32.0 | 21.3 | 10.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 69.3 | 61.3 | 40.0 | 24.0 | 13.3 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 58.7 | 50.7 | 32.0 | 18.7 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 48.0 | 42.7 | 24.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 40.0 | 32.0 | 18.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 34.7 | 26.7 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 26.7 | 18.7 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 18.7 | 13.3 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 13.3 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 8.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 2.7 | 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° | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 |
| 2.5° | 3391.1 | 3471.1 | 3545.8 | 3567.1 | 3625.7 | 3788.4 | 3788.4 | 3865.7 | 4004.3 | 4055.0 | 4065.6 |
| 5° | 2860.6 | 2945.9 | 2961.9 | 3127.2 | 3204.5 | 3369.8 | 3479.1 | 3740.4 | 3897.7 | 3996.3 | 4057.6 |
| 7.5° | 2175.4 | 2204.8 | 2266.1 | 2420.7 | 2572.7 | 2772.6 | 2980.6 | 3313.8 | 3591.1 | 3703.1 | 3911.0 |
| 10° | 1495.6 | 1583.6 | 1716.9 | 1855.5 | 2092.8 | 2314.1 | 2583.3 | 2897.9 | 3239.2 | 3377.8 | 3556.4 |
| 12.5° | 1007.7 | 1130.4 | 1343.7 | 1540.9 | 1759.5 | 1983.5 | 2239.4 | 2660.7 | 3047.2 | 3239.2 | 3417.8 |
| 15° | 589.2 | 738.5 | 922.4 | 1242.3 | 1532.9 | 1783.5 | 2039.5 | 2466.0 | 2935.2 | 3183.2 | 3401.8 |
| 17.5° | 298.6 | 343.9 | 495.9 | 773.1 | 1157.0 | 1567.6 | 1948.8 | 2492.7 | 3020.6 | 3324.5 | 3505.8 |
| 20° | 223.9 | 237.3 | 279.9 | 410.6 | 791.8 | 1295.7 | 1863.5 | 2532.7 | 3257.8 | 3628.4 | 3727.0 |
| 22.5° | 194.6 | 205.3 | 223.9 | 266.6 | 445.2 | 991.7 | 1743.6 | 2631.3 | 3580.4 | 3929.7 | 4137.6 |
| 25° | 165.3 | 176.0 | 192.0 | 218.6 | 285.3 | 674.5 | 1596.9 | 2735.3 | 3868.3 | 4308.2 | 4502.8 |
| 27.5° | 144.0 | 152.0 | 168.0 | 189.3 | 231.9 | 429.2 | 1343.7 | 2873.9 | 4308.2 | 4766.8 | 4817.4 |
| 30° | 122.6 | 130.6 | 144.0 | 168.0 | 197.3 | 303.9 | 986.4 | 2892.6 | 4550.8 | 4966.7 | 5108.0 |
| 32.5° | 106.6 | 109.3 | 125.3 | 146.6 | 165.3 | 239.9 | 693.2 | 2911.3 | 4729.5 | 5225.3 | 5254.7 |
| 35° | 88.0 | 93.3 | 109.3 | 122.6 | 144.0 | 189.3 | 525.2 | 2817.9 | 4961.4 | 5491.9 | 5483.9 |
| 37.5° | 72.0 | 80.0 | 90.6 | 101.3 | 117.3 | 160.0 | 418.6 | 2644.7 | 5252.0 | 5905.2 | 5654.5 |
| 40° | 56.0 | 64.0 | 74.6 | 88.0 | 98.6 | 144.0 | 314.6 | 2383.4 | 5555.9 | 6107.8 | 5841.2 |
| 42.5° | 40.0 | 45.3 | 56.0 | 69.3 | 88.0 | 120.0 | 226.6 | 2074.1 | 5675.9 | 6345.0 | 6065.1 |
| 45° | 29.3 | 34.7 | 42.7 | 58.7 | 90.6 | 96.0 | 157.3 | 1791.5 | 5803.8 | 6449.0 | 6014.5 |
| 47.5° | 16.0 | 21.3 | 32.0 | 50.7 | 80.0 | 72.0 | 112.0 | 1538.3 | 5950.5 | 6542.3 | 6054.4 |
| 50° | 5.3 | 8.0 | 18.7 | 53.3 | 64.0 | 56.0 | 88.0 | 1402.3 | 6094.4 | 6561.0 | 6134.4 |
| 52.5° | 0.0 | 0.0 | 10.7 | 56.0 | 48.0 | 42.7 | 77.3 | 1349.0 | 6057.1 | 6619.6 | 6083.8 |
| 55° | 0.0 | 0.0 | 2.7 | 24.0 | 26.7 | 32.0 | 64.0 | 1346.3 | 6321.0 | 6638.3 | 6361.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 8.0 | 16.0 | 26.7 | 56.0 | 1261.0 | 6489.0 | 7102.2 | 6734.3 |
| 60° | 0.0 | 0.0 | 0.0 | 2.7 | 10.7 | 18.7 | 42.7 | 1186.4 | 6659.6 | 7310.1 | 7134.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 8.0 | 29.3 | 1071.7 | 6315.7 | 7294.1 | 7520.7 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.7 | 847.8 | 5681.2 | 6912.9 | 7307.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 586.5 | 4974.7 | 6433.0 | 6915.6 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 354.6 | 4015.0 | 5641.2 | 5865.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 152.0 | 2865.9 | 4478.9 | 4812.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.3 | 1772.9 | 3273.8 | 3684.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.0 | 1149.0 | 2479.4 | 2796.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 613.2 | 1554.3 | 1807.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 266.6 | 943.8 | 1087.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.3 | 573.2 | 653.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 88.0 | 117.3 |
| 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: P599327
 CATALOG NUMBER: IFLD-M-SA4A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 | 3780.4 |
| 2.5° | 4071.0 | 4148.3 | 4177.6 | 4132.3 | 4137.6 | 4044.3 | 4031.0 | 3900.3 | 3847.0 | 3857.7 |
| 5° | 4257.6 | 4369.5 | 4430.9 | 4380.2 | 4265.6 | 4087.0 | 3924.3 | 3769.7 | 3673.7 | 3625.7 |
| 7.5° | 4214.9 | 4340.2 | 4417.5 | 4465.5 | 4334.9 | 4047.0 | 3799.0 | 3508.4 | 3385.8 | 3388.5 |
| 10° | 3980.3 | 4241.6 | 4398.9 | 4337.6 | 4276.2 | 3988.3 | 3604.4 | 3289.8 | 3180.5 | 3191.2 |
| 12.5° | 3791.0 | 4081.6 | 4174.9 | 4222.9 | 4097.6 | 3868.3 | 3609.7 | 3249.8 | 3127.2 | 3052.6 |
| 15° | 3673.7 | 3889.7 | 3895.0 | 3969.6 | 3919.0 | 3919.0 | 3665.7 | 3313.8 | 3207.2 | 3124.5 |
| 17.5° | 3673.7 | 3721.7 | 3716.4 | 3743.0 | 3828.4 | 3929.7 | 3807.0 | 3572.4 | 3361.8 | 3348.5 |
| 20° | 3756.4 | 3607.1 | 3572.4 | 3583.1 | 3655.1 | 3956.3 | 4118.9 | 3825.7 | 3692.4 | 3649.7 |
| 22.5° | 3948.3 | 3620.4 | 3409.8 | 3372.5 | 3593.7 | 3953.7 | 4318.9 | 4225.6 | 3993.6 | 3959.0 |
| 25° | 4212.3 | 3596.4 | 3367.1 | 3319.1 | 3487.1 | 4049.6 | 4593.5 | 4612.2 | 4401.5 | 4329.6 |
| 27.5° | 4462.9 | 3703.1 | 3361.8 | 3351.1 | 3572.4 | 4028.3 | 4782.8 | 4921.4 | 4684.1 | 4625.5 |
| 30° | 4548.2 | 3809.7 | 3460.4 | 3319.1 | 3604.4 | 4105.6 | 4777.4 | 5140.0 | 4985.4 | 4998.7 |
| 32.5° | 4649.5 | 3916.3 | 3471.1 | 3415.1 | 3740.4 | 4230.9 | 4929.4 | 5491.9 | 5380.0 | 5222.7 |
| 35° | 4798.8 | 4060.3 | 3572.4 | 3521.8 | 3836.3 | 4342.9 | 4961.4 | 5750.5 | 5731.9 | 5547.9 |
| 37.5° | 4926.7 | 4201.6 | 3783.0 | 3791.0 | 4129.6 | 4524.2 | 5102.7 | 6067.8 | 6035.8 | 5910.5 |
| 40° | 5017.4 | 4398.9 | 4110.9 | 4132.3 | 4385.5 | 4726.8 | 5353.3 | 6227.7 | 6465.0 | 6281.1 |
| 42.5° | 5030.7 | 4574.8 | 4486.8 | 4657.5 | 4894.7 | 5041.4 | 5454.6 | 6337.0 | 6678.3 | 6558.3 |
| 45° | 5081.4 | 4854.8 | 5100.0 | 5225.3 | 5419.9 | 5318.6 | 5449.3 | 6523.7 | 6694.3 | 6633.0 |
| 47.5° | 5278.6 | 5364.0 | 5673.2 | 6054.4 | 6123.8 | 5790.5 | 5577.2 | 6553.0 | 6784.9 | 6776.9 |
| 50° | 5483.9 | 5910.5 | 6345.0 | 6598.3 | 6686.3 | 6115.8 | 5697.2 | 6529.0 | 6904.9 | 6840.9 |
| 52.5° | 5713.2 | 6385.0 | 7011.5 | 7323.5 | 7275.5 | 6475.7 | 5833.2 | 6723.6 | 7126.2 | 7104.8 |
| 55° | 5857.2 | 6598.3 | 7440.8 | 7875.3 | 7838.0 | 6878.2 | 6265.1 | 7003.5 | 7416.8 | 7363.4 |
| 57.5° | 6238.4 | 6944.9 | 7867.3 | 8069.9 | 8168.6 | 7406.1 | 6566.3 | 7462.1 | 7659.4 | 7718.0 |
| 60° | 6553.0 | 7171.5 | 7979.3 | 8272.5 | 8307.2 | 7720.7 | 7094.2 | 7934.0 | 7968.6 | 7771.3 |
| 62.5° | 7014.2 | 7259.5 | 7742.0 | 8005.9 | 8184.6 | 7899.3 | 7568.7 | 8187.2 | 7963.3 | 7950.0 |
| 65° | 7352.8 | 6971.5 | 7299.5 | 7446.1 | 7560.7 | 7627.4 | 8045.9 | 8360.5 | 7864.6 | 7606.0 |
| 67.5° | 7163.5 | 6427.7 | 6366.4 | 6374.4 | 6409.0 | 6811.6 | 7886.0 | 7936.6 | 7315.5 | 7102.2 |
| 70° | 6305.0 | 5273.3 | 5190.7 | 5254.7 | 5081.4 | 5566.6 | 7238.1 | 7214.1 | 6454.3 | 6233.1 |
| 72.5° | 5100.0 | 3844.3 | 3703.1 | 3791.0 | 3831.0 | 4345.6 | 6089.1 | 5470.6 | 4708.1 | 4534.8 |
| 75° | 4052.3 | 2817.9 | 2378.1 | 2591.3 | 2727.3 | 3164.5 | 4756.1 | 3716.4 | 3287.2 | 3052.6 |
| 77.5° | 3183.2 | 2132.8 | 1850.2 | 1764.9 | 1890.2 | 2300.7 | 3460.4 | 1951.5 | 1722.2 | 1612.9 |
| 80° | 2018.1 | 1567.6 | 1700.9 | 1578.3 | 1631.6 | 1642.2 | 1802.2 | 887.8 | 706.5 | 698.5 |
| 82.5° | 1215.7 | 1071.7 | 1274.3 | 701.2 | 1277.0 | 1141.0 | 749.1 | 402.6 | 357.2 | 357.2 |
| 85° | 861.1 | 663.8 | 439.9 | 285.3 | 567.9 | 626.5 | 290.6 | 207.9 | 181.3 | 176.0 |
| 87.5° | 431.9 | 205.3 | 98.6 | 64.0 | 72.0 | 117.3 | 34.7 | 16.0 | 16.0 | 13.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)