

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: P599328

Luminaire Tested: **IFLD-M-SA4B-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: P599328
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-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

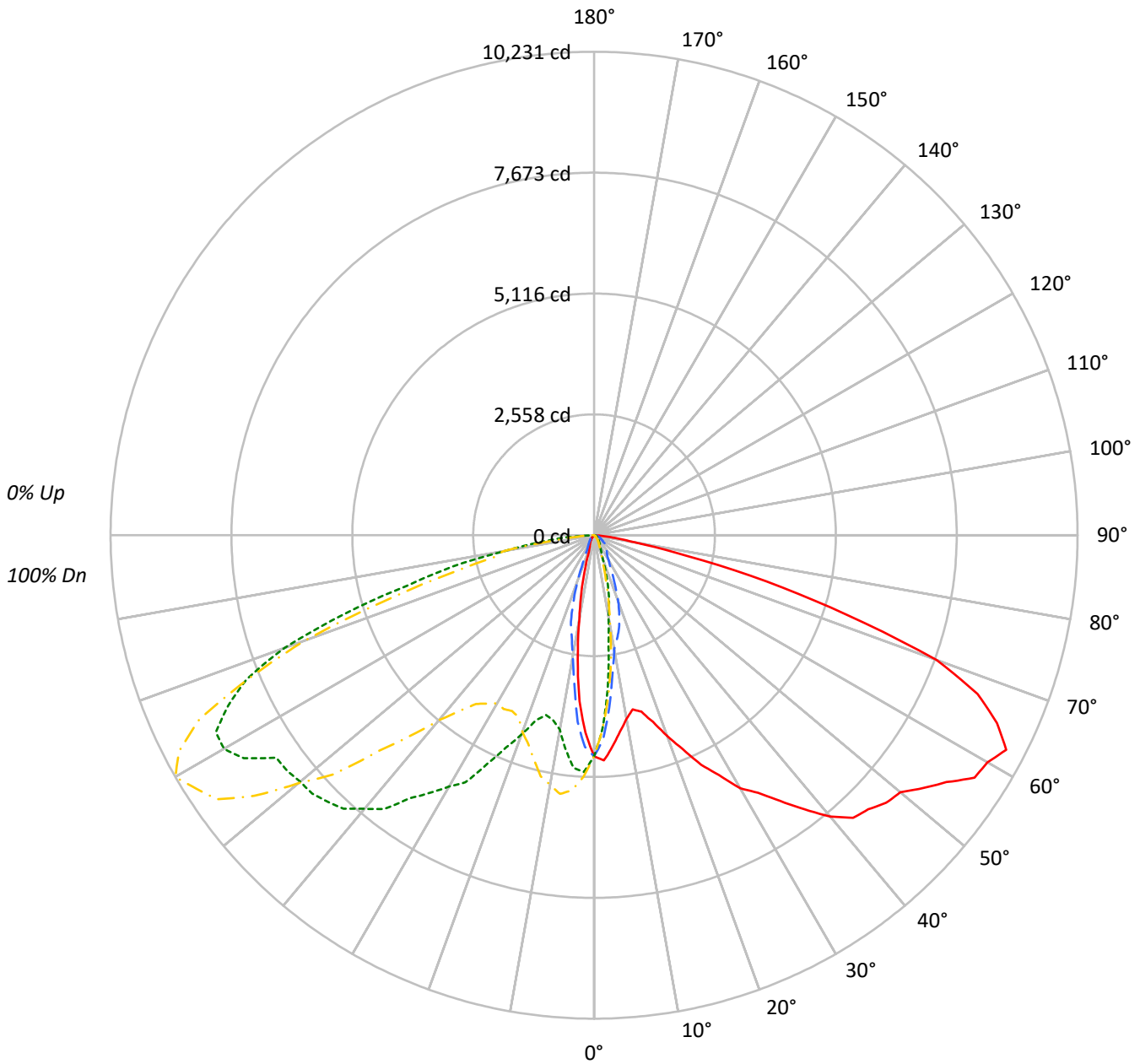
Lumens per Lamp: N/A
 Luminaire Lumens: 12229.6 lumens
 Efficiency: N/A
 Efficacy: 73.6 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 Input Voltage (V): 120
 Input Current (Ain): 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: P599328
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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 107 | 101 | 96 | 91 | 104 | 99 | 94 | 90 | 94 | 90 | 87 | 90 | 87 | 84 | 87 | 84 | 82 | 79 | 79 | 79 |
| 2 | 95 | 85 | 77 | 70 | 92 | 83 | 75 | 69 | 79 | 73 | 67 | 76 | 71 | 66 | 73 | 68 | 64 | 62 | 62 | 62 |
| 3 | 85 | 72 | 63 | 55 | 82 | 71 | 62 | 54 | 67 | 60 | 53 | 65 | 58 | 52 | 62 | 56 | 51 | 49 | 49 | 49 |
| 4 | 76 | 62 | 52 | 44 | 74 | 61 | 51 | 44 | 58 | 50 | 43 | 56 | 49 | 43 | 53 | 47 | 42 | 40 | 40 | 40 |
| 5 | 69 | 55 | 44 | 37 | 67 | 53 | 44 | 36 | 51 | 43 | 36 | 49 | 41 | 35 | 47 | 40 | 35 | 33 | 33 | 33 |
| 6 | 63 | 48 | 38 | 31 | 61 | 47 | 38 | 31 | 45 | 37 | 30 | 44 | 36 | 30 | 42 | 35 | 30 | 27 | 27 | 27 |
| 7 | 58 | 43 | 33 | 27 | 56 | 42 | 33 | 26 | 41 | 32 | 26 | 39 | 32 | 26 | 38 | 31 | 26 | 24 | 24 | 24 |
| 8 | 54 | 39 | 30 | 23 | 52 | 38 | 29 | 23 | 37 | 29 | 23 | 36 | 28 | 23 | 34 | 28 | 23 | 20 | 20 | 20 |
| 9 | 50 | 36 | 27 | 21 | 49 | 35 | 26 | 21 | 34 | 26 | 20 | 33 | 25 | 20 | 32 | 25 | 20 | 18 | 18 | 18 |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 24 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 | 16 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 50326 | 50326 | 50326 | 50326 |
| 5° | 48451 | 35412 | 38119 | 53403 |
| 10° | 43137 | 19280 | 19533 | 45660 |
| 15° | 43062 | 12860 | 7863 | 43870 |
| 20° | 51704 | 6420 | 3135 | 51402 |
| 25° | 63595 | 4033 | 2428 | 63281 |
| 30° | 76838 | 3238 | 1844 | 76347 |
| 35° | 90161 | 2599 | 1430 | 89250 |
| 40° | 109152 | 2224 | 926 | 106141 |
| 45° | 124875 | 2008 | 502 | 121411 |
| 50° | 141677 | 1932 | 111 | 135879 |
| 55° | 170899 | 1856 | 0 | 154070 |
| 60° | 206908 | 1561 | 0 | 194629 |
| 65° | 239587 | 1261 | 0 | 217752 |
| 70° | 242605 | 1039 | 0 | 219571 |
| 75° | 157005 | 686 | 0 | 168388 |
| 80° | 53550 | 205 | 0 | 119151 |
| 85° | 26874 | 0 | 0 | 87551 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 354.2 | 2.9 |
| 10°-20° | 685.8 | 5.6 |
| 20°-30° | 955.1 | 7.8 |
| 30°-40° | 1357.1 | 11.1 |
| 40°-50° | 1882.0 | 15.4 |
| 50°-60° | 2564.3 | 21.0 |
| 60°-70° | 2819.2 | 23.1 |
| 70°-80° | 1385.6 | 11.3 |
| 80°-90° | 226.3 | 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° | 1995.1 | 16.3 |
| 0°-40° | 3352.2 | 27.4 |
| 0°-60° | 7798.5 | 63.8 |
| 0°-90° | 12229.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 12229.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4675 | 4675 | 4675 | 4675 | 4675 | |
| 5° | 4484 | 3277 | 3528 | 4942 | 4484 | 410 |
| 15° | 3864 | 1154 | 706 | 3937 | 3864 | 1144 |
| 25° | 5355 | 340 | 204 | 5328 | 5355 | 2489 |
| 35° | 6861 | 198 | 109 | 6792 | 6861 | 4355 |
| 45° | 8203 | 132 | 33 | 7976 | 8203 | 6359 |
| 55° | 9107 | 99 | 0 | 8210 | 9107 | 8192 |
| 65° | 9407 | 50 | 0 | 8550 | 9407 | 9091 |
| 75° | 3775 | 16 | 0 | 4049 | 3775 | 4116 |
| 85° | 218 | 0 | 0 | 709 | 218 | 301 |
| 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° | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 |
| 2.5° | 4771.0 | 4827.0 | 4774.3 | 4589.6 | 4556.7 | 4467.6 | 4332.4 | 4322.6 | 4180.8 | 4197.3 | 4121.4 |
| 5° | 4484.1 | 4540.2 | 4428.1 | 4184.1 | 3956.6 | 3775.2 | 3666.4 | 3471.9 | 3429.0 | 3333.4 | 3333.4 |
| 7.5° | 4190.7 | 4187.4 | 3996.1 | 3791.7 | 3452.1 | 3119.1 | 2967.4 | 2687.2 | 2522.3 | 2433.3 | 2347.6 |
| 10° | 3946.7 | 3893.9 | 3775.2 | 3353.2 | 2983.9 | 2637.7 | 2449.8 | 2265.1 | 2093.7 | 1945.3 | 1796.9 |
| 12.5° | 3775.2 | 3808.2 | 3620.3 | 3162.0 | 2683.9 | 2443.2 | 2242.1 | 2047.5 | 1843.1 | 1674.9 | 1510.1 |
| 15° | 3864.3 | 3811.5 | 3590.6 | 3119.1 | 2634.4 | 2304.7 | 2037.6 | 1800.2 | 1572.7 | 1351.8 | 1226.5 |
| 17.5° | 4141.2 | 4006.0 | 3745.6 | 3119.1 | 2532.2 | 2093.7 | 1770.6 | 1490.3 | 1246.3 | 1048.5 | 893.5 |
| 20° | 4513.8 | 4358.8 | 4078.6 | 3234.5 | 2456.4 | 1938.7 | 1496.9 | 1144.1 | 890.2 | 705.6 | 586.9 |
| 22.5° | 4896.3 | 4774.3 | 4352.2 | 3280.7 | 2367.3 | 1731.0 | 1180.4 | 827.6 | 593.5 | 474.8 | 415.4 |
| 25° | 5354.6 | 5183.1 | 4721.5 | 3465.3 | 2235.5 | 1529.9 | 929.8 | 577.0 | 441.8 | 379.2 | 342.9 |
| 27.5° | 5720.5 | 5690.9 | 5067.7 | 3577.4 | 2136.5 | 1365.0 | 735.3 | 458.3 | 366.0 | 319.8 | 296.7 |
| 30° | 6182.1 | 6020.6 | 5489.7 | 3801.6 | 2024.4 | 1177.1 | 613.3 | 412.1 | 336.3 | 286.9 | 270.4 |
| 32.5° | 6459.1 | 6383.3 | 5710.7 | 3926.9 | 1899.2 | 1022.1 | 527.5 | 362.7 | 306.6 | 270.4 | 253.9 |
| 35° | 6861.4 | 6709.7 | 6027.2 | 4006.0 | 1833.2 | 933.1 | 474.8 | 329.7 | 257.2 | 220.9 | 201.1 |
| 37.5° | 7309.8 | 7253.7 | 6406.4 | 4002.7 | 1737.6 | 880.3 | 438.5 | 306.6 | 244.0 | 204.4 | 181.3 |
| 40° | 7768.1 | 7540.6 | 6637.2 | 4095.1 | 1688.1 | 840.8 | 412.1 | 293.4 | 230.8 | 194.5 | 164.9 |
| 42.5° | 8111.0 | 7850.5 | 6904.2 | 4062.1 | 1628.8 | 771.5 | 402.3 | 273.7 | 220.9 | 178.0 | 151.7 |
| 45° | 8203.3 | 8111.0 | 7144.9 | 4052.2 | 1585.9 | 715.5 | 385.8 | 270.4 | 214.3 | 168.2 | 141.8 |
| 47.5° | 8381.3 | 8318.7 | 7441.7 | 4068.7 | 1553.0 | 672.6 | 346.2 | 277.0 | 204.4 | 158.3 | 135.2 |
| 50° | 8460.5 | 8348.4 | 7682.3 | 4108.2 | 1477.1 | 619.9 | 309.9 | 290.1 | 201.1 | 155.0 | 128.6 |
| 52.5° | 8786.9 | 8688.0 | 8012.1 | 4220.3 | 1414.5 | 550.6 | 273.7 | 277.0 | 207.7 | 145.1 | 122.0 |
| 55° | 9106.7 | 8994.6 | 8519.8 | 4477.5 | 1325.5 | 494.6 | 234.1 | 244.0 | 197.8 | 131.9 | 108.8 |
| 57.5° | 9545.2 | 9360.6 | 8859.4 | 4583.0 | 1246.3 | 418.7 | 207.7 | 201.1 | 184.6 | 118.7 | 95.6 |
| 60° | 9611.2 | 9687.0 | 8810.0 | 4517.1 | 1163.9 | 369.3 | 181.3 | 155.0 | 197.8 | 105.5 | 82.4 |
| 62.5° | 9832.1 | 9515.6 | 8579.2 | 4365.4 | 1104.5 | 339.6 | 161.6 | 128.6 | 171.5 | 92.3 | 69.2 |
| 65° | 9406.8 | 9172.7 | 8038.4 | 3877.4 | 1028.7 | 342.9 | 141.8 | 105.5 | 108.8 | 75.8 | 56.1 |
| 67.5° | 8783.6 | 8599.0 | 7141.6 | 3346.6 | 952.9 | 336.3 | 125.3 | 92.3 | 82.4 | 65.9 | 49.5 |
| 70° | 7708.7 | 7309.8 | 6066.7 | 2716.8 | 840.8 | 313.2 | 105.5 | 82.4 | 69.2 | 52.8 | 36.3 |
| 72.5° | 5608.4 | 5446.9 | 4352.2 | 2100.3 | 755.0 | 283.6 | 98.9 | 69.2 | 59.3 | 39.6 | 29.7 |
| 75° | 3775.2 | 3508.2 | 2746.5 | 1378.2 | 606.7 | 247.3 | 82.4 | 62.6 | 46.2 | 29.7 | 23.1 |
| 77.5° | 1994.8 | 1886.0 | 1556.3 | 656.1 | 336.3 | 115.4 | 46.2 | 36.3 | 26.4 | 23.1 | 13.2 |
| 80° | 863.9 | 768.2 | 672.6 | 267.1 | 118.7 | 52.8 | 29.7 | 19.8 | 16.5 | 13.2 | 6.6 |
| 82.5° | 441.8 | 422.0 | 349.5 | 115.4 | 69.2 | 39.6 | 16.5 | 13.2 | 9.9 | 6.6 | 3.3 |
| 85° | 217.6 | 224.2 | 184.6 | 36.3 | 39.6 | 23.1 | 3.3 | 3.3 | 0.0 | 0.0 | 0.0 |
| 87.5° | 16.5 | 16.5 | 13.2 | 6.6 | 9.9 | 3.3 | 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° | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 |
| 2.5° | 4091.8 | 4137.9 | 4058.8 | 4108.2 | 4085.2 | 4095.1 | 4104.9 | 4078.6 | 4085.2 | 4177.5 | 4180.8 |
| 5° | 3277.4 | 3366.4 | 3333.4 | 3379.6 | 3458.7 | 3419.1 | 3455.4 | 3448.8 | 3455.4 | 3468.6 | 3527.9 |
| 7.5° | 2337.7 | 2311.3 | 2373.9 | 2495.9 | 2637.7 | 2723.4 | 2680.6 | 2657.5 | 2644.3 | 2611.3 | 2650.9 |
| 10° | 1764.0 | 1750.8 | 1734.3 | 1770.6 | 1862.9 | 1958.5 | 2011.3 | 1922.2 | 1872.8 | 1810.1 | 1787.1 |
| 12.5° | 1463.9 | 1381.5 | 1335.3 | 1279.3 | 1305.7 | 1391.4 | 1394.7 | 1309.0 | 1229.8 | 1196.9 | 1233.1 |
| 15° | 1154.0 | 1097.9 | 1015.5 | 936.4 | 896.8 | 962.8 | 906.7 | 824.3 | 722.1 | 708.9 | 705.6 |
| 17.5° | 824.3 | 791.3 | 732.0 | 699.0 | 652.8 | 636.3 | 577.0 | 451.7 | 379.2 | 359.4 | 366.0 |
| 20° | 560.5 | 534.1 | 530.8 | 501.2 | 481.4 | 468.2 | 372.6 | 290.1 | 267.1 | 270.4 | 273.7 |
| 22.5° | 415.4 | 402.3 | 385.8 | 382.5 | 366.0 | 349.5 | 273.7 | 244.0 | 227.5 | 227.5 | 237.4 |
| 25° | 339.6 | 333.0 | 316.5 | 309.9 | 303.3 | 280.3 | 230.8 | 207.7 | 201.1 | 194.5 | 204.4 |
| 27.5° | 290.1 | 286.9 | 277.0 | 267.1 | 260.5 | 237.4 | 201.1 | 181.3 | 174.7 | 174.7 | 174.7 |
| 30° | 260.5 | 260.5 | 247.3 | 227.5 | 227.5 | 201.1 | 171.5 | 158.3 | 151.7 | 151.7 | 148.4 |
| 32.5° | 244.0 | 237.4 | 220.9 | 207.7 | 197.8 | 171.5 | 151.7 | 138.5 | 128.6 | 128.6 | 131.9 |
| 35° | 197.8 | 197.8 | 194.5 | 184.6 | 171.5 | 145.1 | 128.6 | 115.4 | 108.8 | 105.5 | 108.8 |
| 37.5° | 174.7 | 164.9 | 151.7 | 155.0 | 148.4 | 125.3 | 108.8 | 98.9 | 89.0 | 89.0 | 89.0 |
| 40° | 158.3 | 148.4 | 135.2 | 125.3 | 122.0 | 112.1 | 95.6 | 79.1 | 69.2 | 65.9 | 65.9 |
| 42.5° | 141.8 | 135.2 | 115.4 | 98.9 | 95.6 | 95.6 | 72.5 | 59.3 | 49.5 | 49.5 | 49.5 |
| 45° | 131.9 | 122.0 | 105.5 | 85.7 | 69.2 | 72.5 | 59.3 | 42.9 | 36.3 | 33.0 | 33.0 |
| 47.5° | 125.3 | 115.4 | 92.3 | 72.5 | 52.8 | 52.8 | 42.9 | 29.7 | 23.1 | 19.8 | 19.8 |
| 50° | 115.4 | 105.5 | 82.4 | 59.3 | 39.6 | 33.0 | 26.4 | 16.5 | 9.9 | 6.6 | 6.6 |
| 52.5° | 108.8 | 98.9 | 72.5 | 49.5 | 33.0 | 23.1 | 16.5 | 3.3 | 0.0 | 0.0 | 0.0 |
| 55° | 98.9 | 85.7 | 62.6 | 39.6 | 26.4 | 13.2 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 85.7 | 75.8 | 49.5 | 29.7 | 16.5 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 72.5 | 62.6 | 39.6 | 23.1 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 59.3 | 52.8 | 29.7 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 49.5 | 39.6 | 23.1 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 42.9 | 33.0 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 33.0 | 23.1 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 23.1 | 16.5 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 16.5 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 9.9 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 3.3 | 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° | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 |
| 2.5° | 4194.0 | 4292.9 | 4385.2 | 4411.6 | 4484.1 | 4685.2 | 4685.2 | 4780.9 | 4952.3 | 5015.0 | 5028.1 |
| 5° | 3537.8 | 3643.3 | 3663.1 | 3867.6 | 3963.2 | 4167.6 | 4302.8 | 4625.9 | 4820.4 | 4942.4 | 5018.3 |
| 7.5° | 2690.5 | 2726.7 | 2802.6 | 2993.8 | 3181.7 | 3429.0 | 3686.2 | 4098.4 | 4441.3 | 4579.7 | 4836.9 |
| 10° | 1849.7 | 1958.5 | 2123.4 | 2294.8 | 2588.3 | 2861.9 | 3194.9 | 3584.0 | 4006.0 | 4177.5 | 4398.4 |
| 12.5° | 1246.3 | 1398.0 | 1661.8 | 1905.7 | 2176.1 | 2453.1 | 2769.6 | 3290.5 | 3768.6 | 4006.0 | 4226.9 |
| 15° | 728.7 | 913.3 | 1140.8 | 1536.5 | 1895.9 | 2205.8 | 2522.3 | 3049.9 | 3630.2 | 3936.8 | 4207.2 |
| 17.5° | 369.3 | 425.3 | 613.3 | 956.2 | 1431.0 | 1938.7 | 2410.2 | 3082.8 | 3735.7 | 4111.5 | 4335.7 |
| 20° | 277.0 | 293.4 | 346.2 | 507.8 | 979.3 | 1602.4 | 2304.7 | 3132.3 | 4029.1 | 4487.4 | 4609.4 |
| 22.5° | 240.7 | 253.9 | 277.0 | 329.7 | 550.6 | 1226.5 | 2156.3 | 3254.3 | 4428.1 | 4860.0 | 5117.2 |
| 25° | 204.4 | 217.6 | 237.4 | 270.4 | 352.8 | 834.2 | 1975.0 | 3382.9 | 4784.2 | 5328.2 | 5568.9 |
| 27.5° | 178.0 | 187.9 | 207.7 | 234.1 | 286.9 | 530.8 | 1661.8 | 3554.3 | 5328.2 | 5895.3 | 5957.9 |
| 30° | 151.7 | 161.6 | 178.0 | 207.7 | 244.0 | 375.9 | 1219.9 | 3577.4 | 5628.2 | 6142.6 | 6317.3 |
| 32.5° | 131.9 | 135.2 | 155.0 | 181.3 | 204.4 | 296.7 | 857.3 | 3600.5 | 5849.1 | 6462.4 | 6498.7 |
| 35° | 108.8 | 115.4 | 135.2 | 151.7 | 178.0 | 234.1 | 649.5 | 3485.1 | 6136.0 | 6792.1 | 6782.2 |
| 37.5° | 89.0 | 98.9 | 112.1 | 125.3 | 145.1 | 197.8 | 517.7 | 3270.8 | 6495.4 | 7303.2 | 6993.2 |
| 40° | 69.2 | 79.1 | 92.3 | 108.8 | 122.0 | 178.0 | 389.1 | 2947.6 | 6871.2 | 7553.8 | 7224.0 |
| 42.5° | 49.5 | 56.1 | 69.2 | 85.7 | 108.8 | 148.4 | 280.3 | 2565.2 | 7019.6 | 7847.2 | 7501.0 |
| 45° | 36.3 | 42.9 | 52.8 | 72.5 | 112.1 | 118.7 | 194.5 | 2215.7 | 7177.9 | 7975.8 | 7438.4 |
| 47.5° | 19.8 | 26.4 | 39.6 | 62.6 | 98.9 | 89.0 | 138.5 | 1902.5 | 7359.2 | 8091.2 | 7487.8 |
| 50° | 6.6 | 9.9 | 23.1 | 65.9 | 79.1 | 69.2 | 108.8 | 1734.3 | 7537.3 | 8114.3 | 7586.7 |
| 52.5° | 0.0 | 0.0 | 13.2 | 69.2 | 59.3 | 52.8 | 95.6 | 1668.4 | 7491.1 | 8186.8 | 7524.1 |
| 55° | 0.0 | 0.0 | 3.3 | 29.7 | 33.0 | 39.6 | 79.1 | 1665.1 | 7817.5 | 8209.9 | 7867.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 9.9 | 19.8 | 33.0 | 69.2 | 1559.5 | 8025.2 | 8783.6 | 8328.6 |
| 60° | 0.0 | 0.0 | 0.0 | 3.3 | 13.2 | 23.1 | 52.8 | 1467.2 | 8236.3 | 9040.8 | 8823.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 9.9 | 36.3 | 1325.5 | 7810.9 | 9021.0 | 9301.2 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 | 1048.5 | 7026.2 | 8549.5 | 9037.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 725.4 | 6152.5 | 7956.0 | 8552.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 438.5 | 4965.5 | 6976.8 | 7253.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 187.9 | 3544.4 | 5539.2 | 5951.3 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 75.8 | 2192.6 | 4048.9 | 4556.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.7 | 1421.1 | 3066.3 | 3458.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 758.3 | 1922.2 | 2235.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 329.7 | 1167.2 | 1345.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 105.5 | 708.9 | 807.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108.8 | 145.1 |
| 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: P599328
 CATALOG NUMBER: IFLD-M-SA4B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|---------|---------|--------|--------|---------|--------|--------|
| 0° | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 | 4675.4 |
| 2.5° | 5034.7 | 5130.4 | 5166.6 | 5110.6 | 5117.2 | 5001.8 | 4985.3 | 4823.7 | 4757.8 | 4771.0 |
| 5° | 5265.5 | 5404.0 | 5479.9 | 5417.2 | 5275.4 | 5054.5 | 4853.4 | 4662.2 | 4543.5 | 4484.1 |
| 7.5° | 5212.8 | 5367.8 | 5463.4 | 5522.7 | 5361.2 | 5005.1 | 4698.4 | 4339.0 | 4187.4 | 4190.7 |
| 10° | 4922.6 | 5245.8 | 5440.3 | 5364.5 | 5288.6 | 4932.5 | 4457.7 | 4068.7 | 3933.5 | 3946.7 |
| 12.5° | 4688.5 | 5047.9 | 5163.3 | 5222.7 | 5067.7 | 4784.2 | 4464.3 | 4019.2 | 3867.6 | 3775.2 |
| 15° | 4543.5 | 4810.5 | 4817.1 | 4909.4 | 4846.8 | 4846.8 | 4533.6 | 4098.4 | 3966.5 | 3864.3 |
| 17.5° | 4543.5 | 4602.8 | 4596.2 | 4629.2 | 4734.7 | 4860.0 | 4708.3 | 4418.2 | 4157.7 | 4141.2 |
| 20° | 4645.7 | 4461.0 | 4418.2 | 4431.4 | 4520.4 | 4893.0 | 5094.1 | 4731.4 | 4566.5 | 4513.8 |
| 22.5° | 4883.1 | 4477.5 | 4217.0 | 4170.9 | 4444.6 | 4889.7 | 5341.4 | 5226.0 | 4939.1 | 4896.3 |
| 25° | 5209.5 | 4447.8 | 4164.3 | 4104.9 | 4312.7 | 5008.4 | 5681.0 | 5704.1 | 5443.6 | 5354.6 |
| 27.5° | 5519.4 | 4579.7 | 4157.7 | 4144.5 | 4418.2 | 4982.0 | 5915.1 | 6086.5 | 5793.1 | 5720.5 |
| 30° | 5624.9 | 4711.6 | 4279.7 | 4104.9 | 4457.7 | 5077.6 | 5908.5 | 6356.9 | 6165.7 | 6182.1 |
| 32.5° | 5750.2 | 4843.5 | 4292.9 | 4223.6 | 4625.9 | 5232.6 | 6096.4 | 6792.1 | 6653.6 | 6459.1 |
| 35° | 5934.9 | 5021.6 | 4418.2 | 4355.5 | 4744.6 | 5371.0 | 6136.0 | 7111.9 | 7088.9 | 6861.4 |
| 37.5° | 6093.1 | 5196.3 | 4678.6 | 4688.5 | 5107.3 | 5595.3 | 6310.7 | 7504.3 | 7464.7 | 7309.8 |
| 40° | 6205.2 | 5440.3 | 5084.2 | 5110.6 | 5423.8 | 5845.8 | 6620.7 | 7702.1 | 7995.6 | 7768.1 |
| 42.5° | 6221.7 | 5657.9 | 5549.1 | 5760.1 | 6053.6 | 6234.9 | 6746.0 | 7837.3 | 8259.3 | 8111.0 |
| 45° | 6284.4 | 6004.1 | 6307.4 | 6462.4 | 6703.1 | 6577.8 | 6739.4 | 8068.1 | 8279.1 | 8203.3 |
| 47.5° | 6528.3 | 6633.9 | 7016.3 | 7487.8 | 7573.5 | 7161.4 | 6897.6 | 8104.4 | 8391.2 | 8381.3 |
| 50° | 6782.2 | 7309.8 | 7847.2 | 8160.4 | 8269.2 | 7563.6 | 7046.0 | 8074.7 | 8539.6 | 8460.5 |
| 52.5° | 7065.8 | 7896.7 | 8671.5 | 9057.3 | 8997.9 | 8008.8 | 7214.2 | 8315.4 | 8813.3 | 8786.9 |
| 55° | 7243.8 | 8160.4 | 9202.3 | 9739.8 | 9693.6 | 8506.6 | 7748.3 | 8661.6 | 9172.7 | 9106.7 |
| 57.5° | 7715.3 | 8589.1 | 9729.9 | 9980.5 | 10102.4 | 9159.5 | 8120.9 | 9228.7 | 9472.7 | 9545.2 |
| 60° | 8104.4 | 8869.3 | 9868.4 | 10231.0 | 10273.9 | 9548.5 | 8773.7 | 9812.3 | 9855.2 | 9611.2 |
| 62.5° | 8674.8 | 8978.1 | 9574.9 | 9901.3 | 10122.2 | 9769.4 | 9360.6 | 10125.5 | 9848.6 | 9832.1 |
| 65° | 9093.5 | 8622.0 | 9027.6 | 9208.9 | 9350.7 | 9433.1 | 9950.8 | 10339.8 | 9726.6 | 9406.8 |
| 67.5° | 8859.4 | 7949.4 | 7873.6 | 7883.5 | 7926.3 | 8424.2 | 9753.0 | 9815.6 | 9047.4 | 8783.6 |
| 70° | 7797.7 | 6521.8 | 6419.5 | 6498.7 | 6284.4 | 6884.4 | 8951.7 | 8922.1 | 7982.4 | 7708.7 |
| 72.5° | 6307.4 | 4754.5 | 4579.7 | 4688.5 | 4738.0 | 5374.3 | 7530.7 | 6765.7 | 5822.8 | 5608.4 |
| 75° | 5011.7 | 3485.1 | 2941.1 | 3204.8 | 3373.0 | 3913.7 | 5882.1 | 4596.2 | 4065.4 | 3775.2 |
| 77.5° | 3936.8 | 2637.7 | 2288.2 | 2182.7 | 2337.7 | 2845.4 | 4279.7 | 2413.5 | 2130.0 | 1994.8 |
| 80° | 2495.9 | 1938.7 | 2103.6 | 1951.9 | 2017.9 | 2031.0 | 2228.9 | 1097.9 | 873.7 | 863.9 |
| 82.5° | 1503.5 | 1325.5 | 1576.0 | 867.1 | 1579.3 | 1411.2 | 926.5 | 497.9 | 441.8 | 441.8 |
| 85° | 1065.0 | 821.0 | 544.0 | 352.8 | 702.3 | 774.8 | 359.4 | 257.2 | 224.2 | 217.6 |
| 87.5° | 534.1 | 253.9 | 122.0 | 79.1 | 89.0 | 145.1 | 42.9 | 19.8 | 19.8 | 16.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)