

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: P598636

Luminaire Tested: **IFLD-L-SA7A-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598636
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

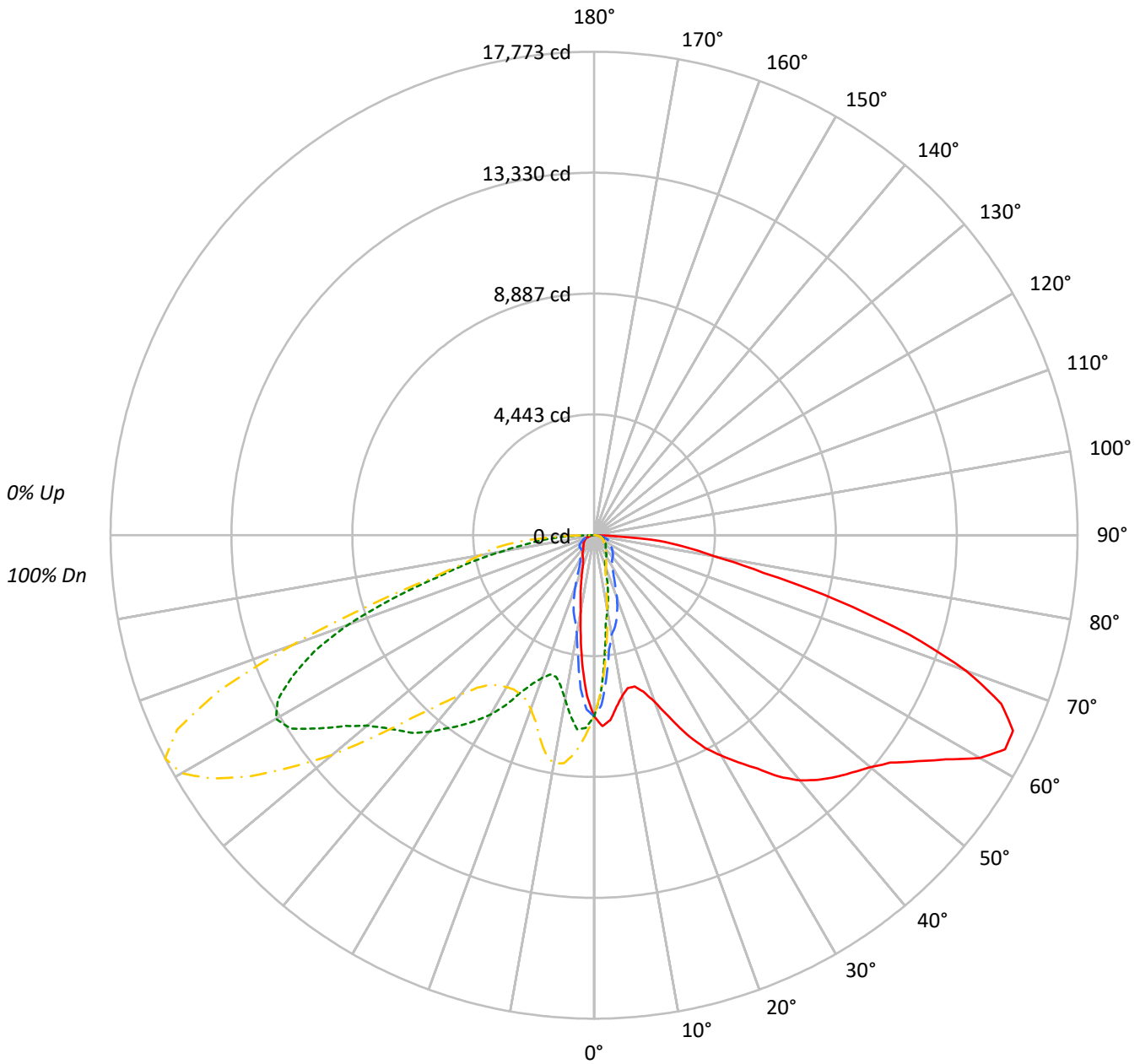
Lumens per Lamp: N/A
 Luminaire Lumens: 22265.3 lumens
 Efficiency: N/A
 Efficacy: 102.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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: P598636
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 87 | 92 | 88 | 84 | 88 | 85 | 82 | 85 | 82 | 79 | 85 | 82 | 79 | 77 |
| 2 | 93 | 83 | 74 | 67 | 90 | 81 | 73 | 66 | 77 | 70 | 64 | 73 | 68 | 63 | 70 | 65 | 61 | 70 | 65 | 61 | 59 |
| 3 | 83 | 70 | 60 | 52 | 80 | 68 | 59 | 51 | 65 | 57 | 50 | 62 | 55 | 49 | 59 | 53 | 48 | 59 | 53 | 48 | 46 |
| 4 | 74 | 60 | 49 | 41 | 72 | 59 | 49 | 41 | 56 | 47 | 40 | 53 | 46 | 40 | 51 | 44 | 39 | 51 | 44 | 39 | 36 |
| 5 | 68 | 52 | 42 | 34 | 65 | 51 | 41 | 34 | 49 | 40 | 33 | 47 | 39 | 33 | 45 | 38 | 32 | 45 | 38 | 32 | 30 |
| 6 | 62 | 46 | 36 | 28 | 60 | 45 | 35 | 28 | 43 | 34 | 28 | 41 | 34 | 28 | 40 | 33 | 27 | 40 | 33 | 27 | 25 |
| 7 | 57 | 41 | 31 | 24 | 55 | 40 | 31 | 24 | 39 | 30 | 24 | 37 | 29 | 24 | 36 | 29 | 23 | 36 | 29 | 23 | 21 |
| 8 | 53 | 37 | 28 | 21 | 51 | 36 | 27 | 21 | 35 | 27 | 21 | 34 | 26 | 21 | 32 | 26 | 20 | 32 | 26 | 20 | 18 |
| 9 | 49 | 34 | 25 | 19 | 47 | 33 | 24 | 18 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 30 | 23 | 18 | 16 |
| 10 | 46 | 31 | 22 | 17 | 44 | 31 | 22 | 17 | 29 | 22 | 16 | 28 | 21 | 16 | 28 | 21 | 16 | 28 | 21 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|-------|-------|--------|
| 0° | 35795 | 35795 | 35795 | 35795 |
| 5° | 36838 | 23955 | 26169 | 38700 |
| 10° | 32683 | 15221 | 15374 | 33446 |
| 15° | 32076 | 10796 | 10225 | 30000 |
| 20° | 37293 | 6829 | 6883 | 31958 |
| 25° | 47960 | 5864 | 5698 | 37781 |
| 30° | 58122 | 5558 | 5210 | 47296 |
| 35° | 68792 | 4896 | 4713 | 56061 |
| 40° | 82657 | 4647 | 4319 | 66231 |
| 45° | 95644 | 4609 | 4183 | 77210 |
| 50° | 111064 | 4680 | 4212 | 91176 |
| 55° | 135916 | 4807 | 4282 | 116163 |
| 60° | 176271 | 4813 | 4512 | 145288 |
| 65° | 216376 | 4863 | 4627 | 155520 |
| 70° | 228960 | 5130 | 4837 | 151419 |
| 75° | 192734 | 5423 | 4843 | 123583 |
| 80° | 140025 | 6351 | 4909 | 106822 |
| 85° | 148406 | 9201 | 4026 | 111016 |

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 514.7 | 2.3 |
| 10°-20° | 1077.3 | 4.8 |
| 20°-30° | 1552.5 | 7.0 |
| 30°-40° | 2234.9 | 10.0 |
| 40°-50° | 3174.5 | 14.3 |
| 50°-60° | 4564.1 | 20.5 |
| 60°-70° | 5273.0 | 23.7 |
| 70°-80° | 2985.7 | 13.4 |
| 80°-90° | 888.6 | 4.0 |
| 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° | 3144.5 | 14.1 |
| 0°-40° | 5379.4 | 24.2 |
| 0°-60° | 13118.0 | 58.9 |
| 0°-90° | 22265.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 22265.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|------|------|-------|-------|-------|
| 0° | 6651 | 6651 | 6651 | 6651 | 6651 | |
| 5° | 6819 | 4434 | 4844 | 7163 | 6819 | 619 |
| 15° | 5757 | 1938 | 1835 | 5384 | 5757 | 1693 |
| 25° | 8076 | 987 | 960 | 6362 | 8076 | 3749 |
| 35° | 10470 | 745 | 717 | 8533 | 10470 | 6645 |
| 45° | 12566 | 606 | 550 | 10144 | 12566 | 9730 |
| 55° | 14485 | 512 | 456 | 12380 | 14485 | 13118 |
| 65° | 16991 | 382 | 363 | 12212 | 16991 | 16293 |
| 75° | 9269 | 261 | 233 | 5943 | 9269 | 9834 |
| 85° | 2403 | 149 | 65 | 1798 | 2403 | 2393 |
| 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° | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 |
| 2.5° | 7023.7 | 7014.3 | 6958.4 | 6781.5 | 6595.2 | 6418.2 | 6250.5 | 6073.5 | 5980.4 | 5868.6 | 5822.0 |
| 5° | 6818.7 | 6800.1 | 6641.7 | 6250.5 | 5905.8 | 5533.2 | 5216.5 | 4965.0 | 4760.1 | 4555.1 | 4480.6 |
| 7.5° | 6353.0 | 6325.0 | 6138.7 | 5598.4 | 5095.4 | 4611.0 | 4229.1 | 3903.1 | 3632.9 | 3511.8 | 3372.1 |
| 10° | 5980.4 | 5933.8 | 5691.6 | 5095.4 | 4443.3 | 3959.0 | 3707.4 | 3483.9 | 3251.0 | 3055.4 | 2850.4 |
| 12.5° | 5747.5 | 5691.6 | 5440.1 | 4741.4 | 4108.0 | 3744.7 | 3483.9 | 3232.4 | 2943.6 | 2701.4 | 2477.8 |
| 15° | 5756.8 | 5691.6 | 5384.2 | 4648.3 | 4024.2 | 3558.4 | 3195.1 | 2850.4 | 2515.1 | 2245.0 | 1993.5 |
| 17.5° | 6026.9 | 5943.1 | 5617.1 | 4778.7 | 3959.0 | 3316.2 | 2831.8 | 2384.7 | 2002.8 | 1714.0 | 1509.1 |
| 20° | 6511.3 | 6455.4 | 6082.8 | 4974.3 | 3893.7 | 3055.4 | 2459.2 | 1918.9 | 1518.4 | 1294.8 | 1211.0 |
| 22.5° | 7237.9 | 7172.7 | 6772.1 | 5272.4 | 3875.1 | 2822.5 | 2058.7 | 1509.1 | 1220.3 | 1127.1 | 1080.6 |
| 25° | 8076.3 | 7955.2 | 7582.6 | 5775.4 | 3912.4 | 2608.3 | 1732.6 | 1248.2 | 1089.9 | 1024.7 | 996.7 |
| 27.5° | 8802.9 | 8728.3 | 8309.1 | 6250.5 | 3931.0 | 2440.6 | 1509.1 | 1136.5 | 1015.4 | 959.5 | 940.8 |
| 30° | 9352.5 | 9324.5 | 8914.6 | 6772.1 | 3884.4 | 2235.6 | 1369.3 | 1089.9 | 1015.4 | 959.5 | 903.6 |
| 32.5° | 9902.0 | 9911.4 | 9473.5 | 7172.7 | 3819.2 | 2058.7 | 1238.9 | 968.8 | 894.3 | 857.0 | 866.3 |
| 35° | 10470.3 | 10516.8 | 10144.2 | 7563.9 | 3679.5 | 1993.5 | 1145.8 | 903.6 | 838.4 | 782.5 | 754.5 |
| 37.5° | 11187.5 | 11308.6 | 10945.3 | 8001.7 | 3539.8 | 1937.6 | 1099.2 | 857.0 | 791.8 | 745.2 | 708.0 |
| 40° | 11765.1 | 11988.6 | 11774.4 | 8411.6 | 3446.6 | 1872.4 | 1061.9 | 810.4 | 763.8 | 708.0 | 680.0 |
| 42.5° | 12193.6 | 12454.4 | 12379.9 | 8728.3 | 3446.6 | 1807.1 | 1024.7 | 782.5 | 745.2 | 680.0 | 642.7 |
| 45° | 12566.2 | 12836.3 | 12827.0 | 9054.4 | 3521.1 | 1769.9 | 978.1 | 782.5 | 726.6 | 661.4 | 624.1 |
| 47.5° | 12901.5 | 13171.7 | 13264.8 | 9464.2 | 3642.2 | 1751.3 | 922.2 | 763.8 | 726.6 | 652.1 | 596.2 |
| 50° | 13264.8 | 13562.9 | 13842.4 | 10116.3 | 3791.3 | 1704.7 | 884.9 | 735.9 | 735.9 | 642.7 | 577.5 |
| 52.5° | 13730.6 | 14065.9 | 14578.3 | 10926.7 | 3940.3 | 1620.8 | 829.1 | 717.3 | 735.9 | 633.4 | 558.9 |
| 55° | 14485.1 | 14764.6 | 15435.3 | 11895.5 | 4126.6 | 1518.4 | 782.5 | 670.7 | 698.6 | 605.5 | 531.0 |
| 57.5° | 15332.8 | 15575.0 | 16133.9 | 12640.7 | 4182.5 | 1388.0 | 717.3 | 624.1 | 670.7 | 577.5 | 493.7 |
| 60° | 16376.1 | 16497.2 | 16497.2 | 12855.0 | 3996.2 | 1266.9 | 670.7 | 586.9 | 605.5 | 549.6 | 465.8 |
| 62.5° | 17037.5 | 17037.5 | 16497.2 | 12463.7 | 3642.2 | 1164.4 | 633.4 | 549.6 | 531.0 | 512.3 | 437.8 |
| 65° | 16990.9 | 16916.4 | 16115.3 | 11327.3 | 3232.4 | 1099.2 | 596.2 | 503.0 | 475.1 | 465.8 | 409.9 |
| 67.5° | 16208.4 | 16078.0 | 14988.1 | 9725.1 | 2803.9 | 1071.2 | 558.9 | 456.4 | 437.8 | 419.2 | 372.6 |
| 70° | 14550.3 | 14215.0 | 12873.6 | 7824.8 | 2384.7 | 1052.6 | 549.6 | 419.2 | 400.6 | 381.9 | 344.7 |
| 72.5° | 12147.0 | 11718.5 | 10051.1 | 6017.6 | 2002.8 | 987.4 | 521.7 | 372.6 | 363.3 | 344.7 | 307.4 |
| 75° | 9268.6 | 8476.8 | 7014.3 | 4601.7 | 1555.6 | 857.0 | 447.1 | 326.0 | 326.0 | 316.7 | 279.5 |
| 77.5° | 6390.2 | 5980.4 | 4890.5 | 3400.0 | 1136.5 | 661.4 | 363.3 | 288.8 | 288.8 | 298.1 | 260.8 |
| 80° | 4517.9 | 4135.9 | 3483.9 | 2440.6 | 717.3 | 447.1 | 279.5 | 242.2 | 270.1 | 288.8 | 242.2 |
| 82.5° | 3455.9 | 3176.5 | 2589.6 | 1779.2 | 419.2 | 307.4 | 214.2 | 195.6 | 232.9 | 251.5 | 204.9 |
| 85° | 2403.3 | 2068.0 | 1313.4 | 1192.3 | 242.2 | 186.3 | 158.4 | 158.4 | 204.9 | 251.5 | 186.3 |
| 87.5° | 680.0 | 288.8 | 83.8 | 354.0 | 102.5 | 74.5 | 55.9 | 37.3 | 55.9 | 55.9 | 37.3 |
| 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° | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 |
| 2.5° | 5775.4 | 5719.5 | 5719.5 | 5700.9 | 5710.2 | 5719.5 | 5710.2 | 5775.4 | 5803.4 | 5840.6 | 5915.1 |
| 5° | 4434.0 | 4508.6 | 4452.7 | 4508.6 | 4583.1 | 4694.9 | 4722.8 | 4806.6 | 4816.0 | 4881.2 | 4843.9 |
| 7.5° | 3288.3 | 3278.9 | 3232.4 | 3297.6 | 3502.5 | 3660.9 | 3735.4 | 3782.0 | 3791.3 | 3791.3 | 3744.7 |
| 10° | 2785.2 | 2701.4 | 2617.6 | 2571.0 | 2589.6 | 2757.3 | 2813.2 | 2841.1 | 2822.5 | 2850.4 | 2813.2 |
| 12.5° | 2384.7 | 2310.2 | 2189.1 | 2105.2 | 2049.3 | 2095.9 | 2151.8 | 2179.8 | 2198.4 | 2245.0 | 2282.2 |
| 15° | 1937.6 | 1863.0 | 1788.5 | 1741.9 | 1695.4 | 1658.1 | 1704.7 | 1732.6 | 1779.2 | 1816.5 | 1835.1 |
| 17.5° | 1471.8 | 1434.5 | 1397.3 | 1425.2 | 1425.2 | 1406.6 | 1425.2 | 1434.5 | 1453.2 | 1481.1 | 1471.8 |
| 20° | 1192.3 | 1183.0 | 1173.7 | 1220.3 | 1257.6 | 1257.6 | 1276.2 | 1248.2 | 1238.9 | 1211.0 | 1201.7 |
| 22.5° | 1061.9 | 1061.9 | 1071.2 | 1108.5 | 1145.8 | 1164.4 | 1164.4 | 1117.8 | 1071.2 | 1052.6 | 1061.9 |
| 25° | 987.4 | 987.4 | 1015.4 | 1024.7 | 1043.3 | 1043.3 | 1052.6 | 1006.0 | 978.1 | 950.1 | 959.5 |
| 27.5° | 931.5 | 931.5 | 940.8 | 940.8 | 950.1 | 950.1 | 959.5 | 940.8 | 903.6 | 894.3 | 894.3 |
| 30° | 894.3 | 894.3 | 884.9 | 884.9 | 884.9 | 884.9 | 894.3 | 866.3 | 847.7 | 838.4 | 838.4 |
| 32.5° | 857.0 | 847.7 | 838.4 | 838.4 | 829.1 | 829.1 | 838.4 | 810.4 | 801.1 | 801.1 | 801.1 |
| 35° | 745.2 | 735.9 | 745.2 | 763.8 | 763.8 | 773.2 | 773.2 | 763.8 | 745.2 | 726.6 | 717.3 |
| 37.5° | 698.6 | 689.3 | 689.3 | 689.3 | 708.0 | 717.3 | 726.6 | 708.0 | 680.0 | 652.1 | 652.1 |
| 40° | 661.4 | 661.4 | 652.1 | 652.1 | 652.1 | 670.7 | 689.3 | 661.4 | 624.1 | 614.8 | 614.8 |
| 42.5° | 633.4 | 624.1 | 614.8 | 605.5 | 596.2 | 624.1 | 642.7 | 605.5 | 586.9 | 586.9 | 586.9 |
| 45° | 605.5 | 596.2 | 586.9 | 577.5 | 568.2 | 577.5 | 596.2 | 558.9 | 549.6 | 549.6 | 549.6 |
| 47.5° | 577.5 | 568.2 | 549.6 | 540.3 | 531.0 | 531.0 | 549.6 | 521.7 | 512.3 | 521.7 | 521.7 |
| 50° | 558.9 | 540.3 | 521.7 | 512.3 | 503.0 | 503.0 | 503.0 | 493.7 | 493.7 | 493.7 | 503.0 |
| 52.5° | 540.3 | 521.7 | 493.7 | 484.4 | 475.1 | 475.1 | 475.1 | 475.1 | 465.8 | 475.1 | 484.4 |
| 55° | 512.3 | 493.7 | 475.1 | 465.8 | 456.4 | 447.1 | 456.4 | 447.1 | 447.1 | 456.4 | 456.4 |
| 57.5° | 475.1 | 456.4 | 437.8 | 437.8 | 428.5 | 428.5 | 437.8 | 428.5 | 428.5 | 437.8 | 437.8 |
| 60° | 447.1 | 428.5 | 409.9 | 409.9 | 400.6 | 409.9 | 419.2 | 409.9 | 409.9 | 409.9 | 419.2 |
| 62.5° | 409.9 | 400.6 | 381.9 | 381.9 | 381.9 | 381.9 | 391.2 | 381.9 | 391.2 | 391.2 | 391.2 |
| 65° | 381.9 | 363.3 | 354.0 | 354.0 | 354.0 | 354.0 | 372.6 | 354.0 | 363.3 | 363.3 | 363.3 |
| 67.5° | 354.0 | 335.3 | 326.0 | 326.0 | 326.0 | 326.0 | 344.7 | 326.0 | 335.3 | 344.7 | 335.3 |
| 70° | 326.0 | 307.4 | 298.1 | 298.1 | 298.1 | 298.1 | 307.4 | 298.1 | 298.1 | 307.4 | 307.4 |
| 72.5° | 288.8 | 279.5 | 270.1 | 270.1 | 260.8 | 270.1 | 279.5 | 270.1 | 270.1 | 270.1 | 270.1 |
| 75° | 260.8 | 251.5 | 251.5 | 242.2 | 242.2 | 242.2 | 251.5 | 232.9 | 232.9 | 232.9 | 232.9 |
| 77.5° | 242.2 | 223.6 | 223.6 | 223.6 | 214.2 | 223.6 | 214.2 | 195.6 | 195.6 | 195.6 | 195.6 |
| 80° | 204.9 | 186.3 | 195.6 | 195.6 | 186.3 | 186.3 | 177.0 | 158.4 | 158.4 | 158.4 | 158.4 |
| 82.5° | 167.7 | 149.0 | 158.4 | 158.4 | 158.4 | 158.4 | 139.7 | 130.4 | 121.1 | 111.8 | 111.8 |
| 85° | 149.0 | 121.1 | 139.7 | 139.7 | 130.4 | 130.4 | 93.2 | 93.2 | 74.5 | 74.5 | 65.2 |
| 87.5° | 27.9 | 18.6 | 37.3 | 46.6 | 46.6 | 55.9 | 37.3 | 46.6 | 27.9 | 18.6 | 18.6 |
| 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: P598636
 CATALOG NUMBER: IFLD-L-SA7A-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 |
| 2.5° | 5905.8 | 6008.3 | 6148.0 | 6250.5 | 6408.9 | 6529.9 | 6716.3 | 6874.6 | 7023.7 | 7088.9 | 7154.1 |
| 5° | 4955.7 | 5020.9 | 5235.1 | 5402.8 | 5654.3 | 5924.5 | 6259.8 | 6623.1 | 6995.7 | 7163.4 | 7359.0 |
| 7.5° | 3707.4 | 3828.5 | 3949.6 | 4191.8 | 4499.2 | 4937.1 | 5365.5 | 5905.8 | 6427.5 | 6679.0 | 7014.3 |
| 10° | 2878.4 | 2971.5 | 3111.3 | 3362.8 | 3651.6 | 4014.8 | 4527.2 | 5169.9 | 5794.0 | 6120.1 | 6464.7 |
| 12.5° | 2310.2 | 2440.6 | 2626.9 | 2887.7 | 3223.1 | 3595.7 | 3968.3 | 4564.4 | 5291.0 | 5663.6 | 6054.9 |
| 15° | 1872.4 | 1974.8 | 2179.8 | 2505.8 | 2897.0 | 3278.9 | 3670.2 | 4163.9 | 4955.7 | 5384.2 | 5849.9 |
| 17.5° | 1490.4 | 1565.0 | 1751.3 | 2077.3 | 2468.5 | 2897.0 | 3344.2 | 3968.3 | 4843.9 | 5365.5 | 5915.1 |
| 20° | 1211.0 | 1266.9 | 1388.0 | 1630.2 | 2002.8 | 2468.5 | 3027.4 | 3782.0 | 4909.1 | 5579.8 | 6250.5 |
| 22.5° | 1061.9 | 1080.6 | 1136.5 | 1266.9 | 1574.3 | 2068.0 | 2738.7 | 3623.6 | 5030.2 | 5896.5 | 6800.1 |
| 25° | 959.5 | 978.1 | 996.7 | 1080.6 | 1257.6 | 1723.3 | 2487.2 | 3530.5 | 5291.0 | 6362.3 | 7433.5 |
| 27.5° | 894.3 | 912.9 | 922.2 | 959.5 | 1080.6 | 1471.8 | 2272.9 | 3474.6 | 5645.0 | 7042.3 | 8216.0 |
| 30° | 838.4 | 838.4 | 866.3 | 922.2 | 1006.0 | 1294.8 | 2086.6 | 3344.2 | 6017.6 | 7610.5 | 8830.8 |
| 32.5° | 791.8 | 801.1 | 838.4 | 866.3 | 922.2 | 1145.8 | 1900.3 | 3176.5 | 6353.0 | 8076.3 | 9436.3 |
| 35° | 708.0 | 708.0 | 717.3 | 763.8 | 838.4 | 1024.7 | 1732.6 | 3008.8 | 6539.3 | 8532.7 | 9976.6 |
| 37.5° | 652.1 | 661.4 | 680.0 | 717.3 | 782.5 | 940.8 | 1592.9 | 2822.5 | 6734.9 | 8961.2 | 10610.0 |
| 40° | 614.8 | 624.1 | 642.7 | 680.0 | 745.2 | 866.3 | 1471.8 | 2673.5 | 6939.8 | 9427.0 | 11290.0 |
| 42.5° | 586.9 | 596.2 | 614.8 | 652.1 | 708.0 | 847.7 | 1341.4 | 2552.4 | 7060.9 | 9855.5 | 11932.8 |
| 45° | 558.9 | 568.2 | 596.2 | 633.4 | 680.0 | 829.1 | 1266.9 | 2468.5 | 7107.5 | 10144.2 | 12445.1 |
| 47.5° | 531.0 | 540.3 | 568.2 | 624.1 | 680.0 | 801.1 | 1238.9 | 2421.9 | 7144.8 | 10470.3 | 12855.0 |
| 50° | 503.0 | 521.7 | 558.9 | 614.8 | 689.3 | 763.8 | 1220.3 | 2412.6 | 7359.0 | 10889.5 | 13246.2 |
| 52.5° | 484.4 | 512.3 | 549.6 | 614.8 | 680.0 | 708.0 | 1211.0 | 2440.6 | 7787.5 | 11513.6 | 13805.1 |
| 55° | 465.8 | 493.7 | 531.0 | 614.8 | 652.1 | 661.4 | 1164.4 | 2487.2 | 8439.6 | 12379.9 | 14596.9 |
| 57.5° | 447.1 | 465.8 | 512.3 | 596.2 | 614.8 | 624.1 | 1071.2 | 2552.4 | 9091.6 | 13227.6 | 15407.3 |
| 60° | 419.2 | 437.8 | 484.4 | 596.2 | 558.9 | 586.9 | 950.1 | 2571.0 | 9557.4 | 13497.7 | 15481.8 |
| 62.5° | 391.2 | 409.9 | 456.4 | 614.8 | 512.3 | 549.6 | 847.7 | 2505.8 | 9650.5 | 13106.5 | 15062.7 |
| 65° | 363.3 | 381.9 | 419.2 | 512.3 | 475.1 | 512.3 | 782.5 | 2328.8 | 9343.1 | 12212.2 | 14298.8 |
| 67.5° | 335.3 | 354.0 | 381.9 | 419.2 | 428.5 | 465.8 | 754.5 | 2049.3 | 8570.0 | 11103.7 | 13255.5 |
| 70° | 298.1 | 316.7 | 344.7 | 372.6 | 381.9 | 437.8 | 708.0 | 1779.2 | 7321.7 | 9622.6 | 11979.3 |
| 72.5° | 270.1 | 279.5 | 307.4 | 326.0 | 344.7 | 400.6 | 680.0 | 1555.6 | 5598.4 | 7787.5 | 9771.6 |
| 75° | 232.9 | 232.9 | 260.8 | 279.5 | 298.1 | 354.0 | 624.1 | 1294.8 | 3949.6 | 5943.1 | 7182.0 |
| 77.5° | 195.6 | 195.6 | 214.2 | 232.9 | 251.5 | 307.4 | 531.0 | 1052.6 | 2738.7 | 4713.5 | 5207.2 |
| 80° | 149.0 | 149.0 | 167.7 | 186.3 | 204.9 | 260.8 | 428.5 | 773.2 | 1695.4 | 3446.6 | 3791.3 |
| 82.5° | 102.5 | 102.5 | 130.4 | 139.7 | 149.0 | 204.9 | 326.0 | 531.0 | 996.7 | 2487.2 | 2710.7 |
| 85° | 55.9 | 55.9 | 74.5 | 83.8 | 102.5 | 149.0 | 242.2 | 372.6 | 596.2 | 1797.8 | 1807.1 |
| 87.5° | 9.3 | 9.3 | 27.9 | 27.9 | 46.6 | 74.5 | 139.7 | 204.9 | 335.3 | 996.7 | 633.4 |
| 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: P598636
 CATALOG NUMBER: IFLD-L-SA7A-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 | 6651.0 |
| 2.5° | 7275.2 | 7377.6 | 7386.9 | 7386.9 | 7340.4 | 7349.7 | 7219.3 | 7079.5 | 7033.0 | 7023.7 |
| 5° | 7657.1 | 7927.2 | 8001.7 | 8039.0 | 7917.9 | 7731.6 | 7396.3 | 7033.0 | 6846.7 | 6818.7 |
| 7.5° | 7582.6 | 8122.8 | 8411.6 | 8448.9 | 8206.7 | 7768.9 | 7182.0 | 6623.1 | 6408.9 | 6353.0 |
| 10° | 7144.8 | 7871.3 | 8393.0 | 8523.4 | 8262.6 | 7703.7 | 6939.8 | 6287.8 | 6026.9 | 5980.4 |
| 12.5° | 6837.3 | 7536.0 | 8048.3 | 8225.3 | 8104.2 | 7619.8 | 6818.7 | 6073.5 | 5812.7 | 5747.5 |
| 15° | 6669.7 | 7312.4 | 7647.8 | 7703.7 | 7694.3 | 7489.4 | 6818.7 | 6120.1 | 5831.3 | 5756.8 |
| 17.5° | 6809.4 | 7247.2 | 7293.8 | 7163.4 | 7237.9 | 7340.4 | 6967.8 | 6371.6 | 6092.1 | 6026.9 |
| 20° | 7088.9 | 7219.3 | 6995.7 | 6800.1 | 6837.3 | 7163.4 | 7200.6 | 6846.7 | 6623.1 | 6511.3 |
| 22.5° | 7675.7 | 7321.7 | 6809.4 | 6539.3 | 6567.2 | 7023.7 | 7508.0 | 7489.4 | 7293.8 | 7237.9 |
| 25° | 8271.9 | 7610.5 | 6753.5 | 6436.8 | 6474.1 | 6995.7 | 7871.3 | 8206.7 | 8104.2 | 8076.3 |
| 27.5° | 8933.3 | 8094.9 | 6790.8 | 6390.2 | 6436.8 | 7033.0 | 8122.8 | 8812.2 | 8830.8 | 8802.9 |
| 30° | 9380.4 | 8327.8 | 6902.6 | 6446.1 | 6511.3 | 7126.1 | 8178.7 | 9175.5 | 9343.1 | 9352.5 |
| 32.5° | 9753.0 | 8560.7 | 7135.4 | 6539.3 | 6651.0 | 7293.8 | 8327.8 | 9520.1 | 9892.7 | 9902.0 |
| 35° | 10051.1 | 8821.5 | 7424.2 | 6706.9 | 6874.6 | 7573.2 | 8523.4 | 9846.2 | 10405.1 | 10470.3 |
| 37.5° | 10433.0 | 9110.3 | 7759.6 | 7070.2 | 7256.5 | 7973.8 | 8868.1 | 10228.1 | 11010.6 | 11187.5 |
| 40° | 10842.9 | 9399.0 | 8243.9 | 7657.1 | 7927.2 | 8570.0 | 9259.3 | 10656.6 | 11522.9 | 11765.1 |
| 42.5° | 11299.3 | 9706.4 | 8793.5 | 8448.9 | 8858.7 | 9324.5 | 9706.4 | 11047.8 | 11914.1 | 12193.6 |
| 45° | 11746.5 | 10079.0 | 9594.6 | 9529.4 | 9985.9 | 10218.8 | 10144.2 | 11327.3 | 12286.7 | 12566.2 |
| 47.5° | 12063.2 | 10619.3 | 10563.4 | 10954.7 | 11383.2 | 11262.1 | 10656.6 | 11532.2 | 12594.1 | 12901.5 |
| 50° | 12351.9 | 11290.0 | 11783.7 | 12547.6 | 12808.4 | 12398.5 | 11206.2 | 11811.7 | 12920.2 | 13264.8 |
| 52.5° | 12780.4 | 12007.3 | 13041.3 | 13991.4 | 14242.9 | 13590.9 | 11802.3 | 12268.1 | 13423.2 | 13730.6 |
| 55° | 13656.1 | 12817.7 | 14354.7 | 15444.6 | 15491.2 | 14680.7 | 12603.5 | 13041.3 | 14131.1 | 14485.1 |
| 57.5° | 14634.2 | 13814.4 | 15398.0 | 16646.2 | 16627.6 | 15770.6 | 13507.0 | 14084.6 | 15090.6 | 15332.8 |
| 60° | 15519.1 | 14820.5 | 16534.5 | 17503.2 | 17456.7 | 16562.4 | 14559.6 | 15267.6 | 16189.8 | 16376.1 |
| 62.5° | 16040.8 | 15733.4 | 17037.5 | 17773.4 | 17596.4 | 16823.2 | 15453.9 | 16320.2 | 16972.3 | 17037.5 |
| 65° | 15956.9 | 16255.0 | 16450.6 | 16907.1 | 16655.6 | 16096.6 | 15891.7 | 16990.9 | 17056.1 | 16990.9 |
| 67.5° | 15323.5 | 15956.9 | 14839.1 | 14885.7 | 14755.3 | 14280.2 | 15211.7 | 16813.9 | 16366.8 | 16208.4 |
| 70° | 14364.0 | 14410.6 | 12407.8 | 11821.0 | 12025.9 | 11373.8 | 13050.6 | 15435.3 | 14745.9 | 14550.3 |
| 72.5° | 12771.1 | 12193.6 | 9380.4 | 8784.2 | 9091.6 | 8625.9 | 10470.3 | 13451.1 | 12780.4 | 12147.0 |
| 75° | 10712.5 | 9659.9 | 7144.8 | 6297.1 | 6455.4 | 6436.8 | 8113.5 | 11113.0 | 9902.0 | 9268.6 |
| 77.5° | 8299.8 | 7526.7 | 5272.4 | 4946.4 | 4778.7 | 4816.0 | 5663.6 | 8262.6 | 7182.0 | 6390.2 |
| 80° | 6064.2 | 5263.1 | 4080.1 | 4266.4 | 4173.2 | 3949.6 | 3968.3 | 5533.2 | 4992.9 | 4517.9 |
| 82.5° | 4191.8 | 3744.7 | 3306.9 | 3735.4 | 3511.8 | 3167.2 | 3092.6 | 3986.9 | 3744.7 | 3455.9 |
| 85° | 2813.2 | 3083.3 | 2626.9 | 2859.8 | 2477.8 | 2282.2 | 2906.3 | 3334.8 | 2692.1 | 2403.3 |
| 87.5° | 1835.1 | 2822.5 | 1891.0 | 1434.5 | 819.7 | 1099.2 | 1779.2 | 2189.1 | 1257.6 | 680.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)