

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: P598973

Luminaire Tested: **IFLD-S-SA3E-740-U-SLL**

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: P598973
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3E-740-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 4000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

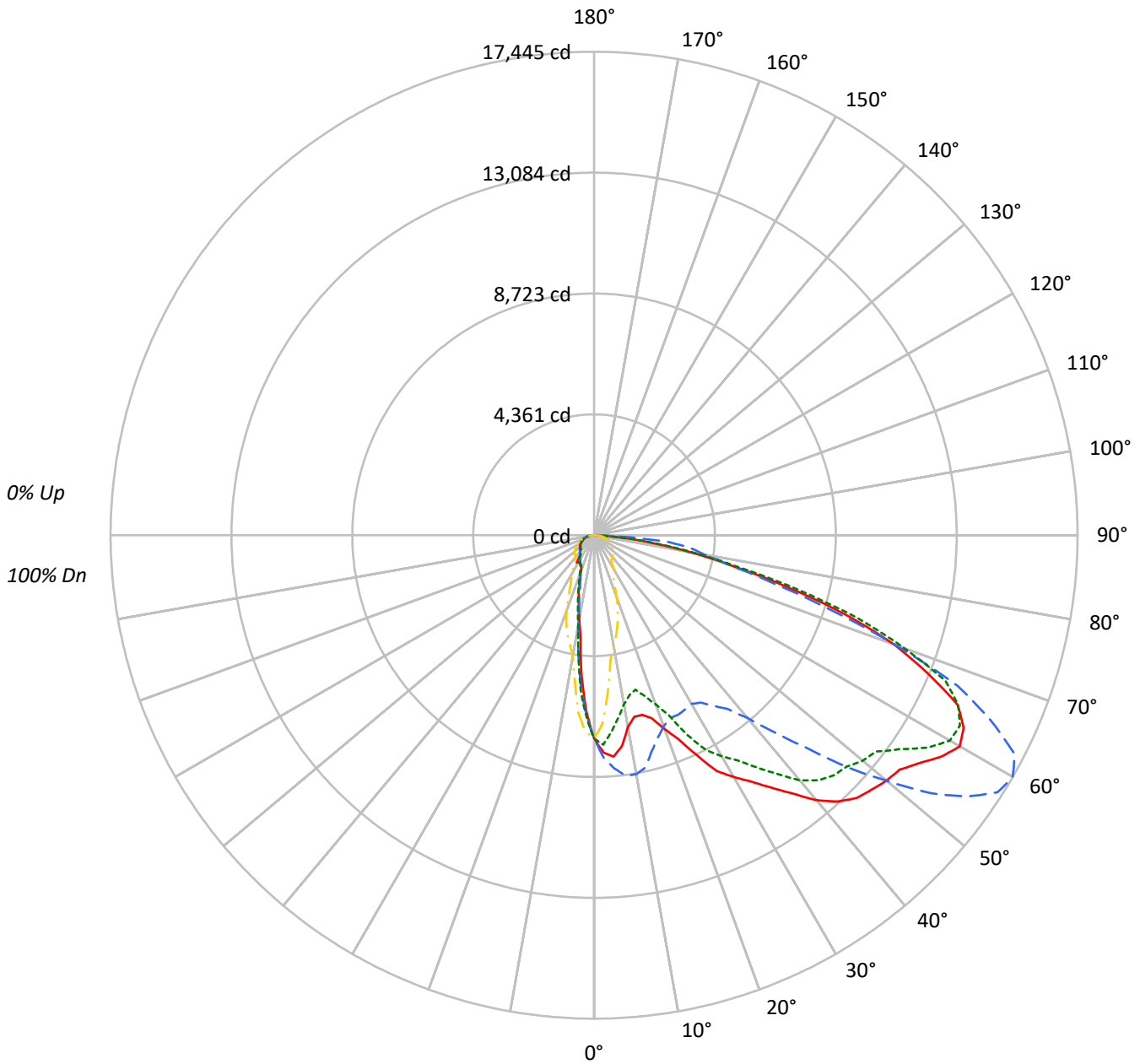
Lumens per Lamp: N/A
 Luminaire Lumens: 22943.6 lumens
 Efficiency: N/A
 Efficacy: 98.9 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 232.1
 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: P598973
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLL

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 | 106 | 100 | 94 | 89 | 103 | 97 | 92 | 88 | 93 | 89 | 85 | 89 | 85 | 82 | 85 | 82 | 80 | 80 | 80 | 80 | 77 |
| 2 | 94 | 83 | 75 | 68 | 91 | 81 | 74 | 67 | 78 | 71 | 65 | 74 | 69 | 64 | 71 | 66 | 62 | 62 | 62 | 62 | 60 |
| 3 | 84 | 71 | 61 | 53 | 81 | 69 | 60 | 53 | 66 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 50 | 50 | 50 | 47 |
| 4 | 75 | 61 | 51 | 43 | 73 | 60 | 50 | 42 | 57 | 48 | 42 | 54 | 47 | 41 | 52 | 46 | 40 | 40 | 40 | 40 | 38 |
| 5 | 68 | 53 | 43 | 35 | 66 | 52 | 42 | 35 | 50 | 41 | 34 | 48 | 40 | 34 | 46 | 39 | 34 | 34 | 34 | 34 | 31 |
| 6 | 63 | 47 | 37 | 30 | 60 | 46 | 37 | 29 | 44 | 36 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 29 | 29 | 29 | 26 |
| 7 | 58 | 42 | 32 | 25 | 56 | 41 | 32 | 25 | 40 | 31 | 25 | 38 | 31 | 25 | 37 | 30 | 25 | 25 | 25 | 25 | 22 |
| 8 | 53 | 38 | 29 | 22 | 52 | 37 | 28 | 22 | 36 | 28 | 22 | 35 | 27 | 22 | 33 | 27 | 22 | 22 | 22 | 22 | 19 |
| 9 | 50 | 35 | 26 | 20 | 48 | 34 | 26 | 20 | 33 | 25 | 19 | 32 | 25 | 19 | 31 | 24 | 19 | 19 | 19 | 19 | 17 |
| 10 | 46 | 32 | 23 | 18 | 45 | 31 | 23 | 18 | 30 | 23 | 17 | 29 | 22 | 17 | 28 | 22 | 17 | 17 | 17 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|--------|--------|
| 0° | 105172 | 105172 | 105172 | 105172 |
| 5° | 115545 | 102641 | 73608 | 80353 |
| 10° | 102344 | 90330 | 44645 | 47910 |
| 15° | 99657 | 85745 | 31606 | 32816 |
| 20° | 113631 | 99175 | 20675 | 22850 |
| 25° | 138447 | 125714 | 18051 | 18695 |
| 30° | 166813 | 152477 | 18722 | 17373 |
| 35° | 194548 | 179034 | 15514 | 14623 |
| 40° | 233778 | 216234 | 14492 | 13729 |
| 45° | 272062 | 248512 | 14666 | 13633 |
| 50° | 307466 | 282468 | 14997 | 14089 |
| 55° | 358572 | 336670 | 15536 | 14770 |
| 60° | 437339 | 425361 | 15483 | 15483 |
| 65° | 491492 | 492185 | 15900 | 16589 |
| 70° | 483034 | 500117 | 16655 | 17083 |
| 75° | 398452 | 424974 | 17495 | 18626 |
| 80° | 287685 | 301992 | 19348 | 20191 |
| 85° | 159219 | 170943 | 21786 | 26808 |

TEST NUMBER: P598973
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 569.3 | 2.5 |
| 10°-20° | 1202.0 | 5.2 |
| 20°-30° | 1758.6 | 7.7 |
| 30°-40° | 2477.8 | 10.8 |
| 40°-50° | 3405.2 | 14.8 |
| 50°-60° | 4640.9 | 20.2 |
| 60°-70° | 5079.3 | 22.1 |
| 70°-80° | 2932.4 | 12.8 |
| 80°-90° | 878.1 | 3.8 |
| 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° | 3529.9 | 15.4 |
| 0°-40° | 6007.6 | 26.2 |
| 0°-60° | 14053.8 | 61.3 |
| 0°-90° | 22943.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 22943.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|------|------|-------|-------|
| 0° | 7328 | 7328 | 7328 | 7328 | 7328 | |
| 5° | 8020 | 7124 | 5109 | 5578 | 8020 | 728 |
| 15° | 6707 | 5771 | 2127 | 2209 | 6707 | 1960 |
| 25° | 8743 | 7939 | 1140 | 1181 | 8743 | 4094 |
| 35° | 11104 | 10219 | 886 | 835 | 11104 | 7041 |
| 45° | 13404 | 12244 | 723 | 672 | 13404 | 10302 |
| 55° | 14330 | 13455 | 621 | 590 | 14330 | 12930 |
| 65° | 14473 | 14493 | 468 | 488 | 14473 | 13852 |
| 75° | 7186 | 7664 | 316 | 336 | 7186 | 7719 |
| 85° | 967 | 1038 | 132 | 163 | 967 | 1342 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P598973
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 |
| 2.5° | 7847.1 | 7816.6 | 7847.1 | 7959.1 | 7989.6 | 8040.5 | 8040.5 | 7969.3 | 7837.0 | 7775.9 | 7674.1 |
| 5° | 8020.2 | 7969.3 | 8223.7 | 8457.8 | 8641.0 | 8620.7 | 8447.6 | 8305.1 | 8040.5 | 7643.6 | 7267.0 |
| 7.5° | 7674.1 | 7725.0 | 7908.2 | 8518.9 | 8946.3 | 9027.8 | 8753.0 | 8468.0 | 7898.0 | 7348.4 | 6839.5 |
| 10° | 7022.7 | 7094.0 | 7490.9 | 8121.9 | 8793.7 | 8926.0 | 8753.0 | 8406.9 | 7725.0 | 7043.1 | 6452.8 |
| 12.5° | 6707.2 | 6870.1 | 7104.2 | 7867.5 | 8345.9 | 8661.4 | 8579.9 | 8356.0 | 7592.7 | 6788.6 | 6218.7 |
| 15° | 6707.2 | 6747.9 | 7094.0 | 7735.2 | 8010.0 | 8020.2 | 8050.7 | 8091.4 | 7633.4 | 6900.6 | 6137.3 |
| 17.5° | 6921.0 | 7032.9 | 7328.1 | 7725.0 | 7775.9 | 7653.8 | 7653.8 | 7826.8 | 7714.8 | 7216.1 | 6432.4 |
| 20° | 7440.0 | 7399.3 | 7786.1 | 7948.9 | 7674.1 | 7368.8 | 7338.2 | 7633.4 | 7806.4 | 7552.0 | 6971.8 |
| 22.5° | 7959.1 | 8142.3 | 8457.8 | 8091.4 | 7582.5 | 7175.4 | 7134.7 | 7501.1 | 8081.2 | 8132.1 | 7592.7 |
| 25° | 8742.8 | 8926.0 | 9088.8 | 8641.0 | 7572.3 | 7124.5 | 7155.0 | 7440.0 | 8417.1 | 8956.5 | 8630.8 |
| 27.5° | 9587.6 | 9699.5 | 9933.6 | 9241.5 | 7816.6 | 7063.4 | 7094.0 | 7521.4 | 8732.6 | 9496.0 | 9445.1 |
| 30° | 10065.9 | 10188.0 | 10137.2 | 9353.5 | 7979.4 | 7104.2 | 7022.7 | 7633.4 | 8559.6 | 9496.0 | 9974.3 |
| 32.5° | 10534.1 | 10462.8 | 10432.3 | 9536.7 | 8183.0 | 7358.6 | 7155.0 | 7867.5 | 8661.4 | 9648.6 | 10656.2 |
| 35° | 11104.1 | 11002.3 | 10920.9 | 9892.9 | 8518.9 | 7602.9 | 7511.3 | 8172.8 | 8885.3 | 9964.1 | 11205.8 |
| 37.5° | 11735.1 | 11735.1 | 11338.1 | 10157.5 | 8915.8 | 7999.8 | 7898.0 | 8610.5 | 9241.5 | 10157.5 | 11959.0 |
| 40° | 12478.1 | 12508.6 | 11806.3 | 10513.7 | 9363.6 | 8630.8 | 8600.3 | 9180.4 | 9587.6 | 10442.5 | 12681.6 |
| 42.5° | 13027.7 | 13048.0 | 12213.4 | 10646.1 | 9882.7 | 9506.1 | 9638.4 | 10096.4 | 9984.5 | 10696.9 | 12732.5 |
| 45° | 13404.3 | 13302.5 | 12498.4 | 11022.6 | 10452.7 | 10819.1 | 10859.8 | 10992.1 | 10503.6 | 10849.6 | 12936.1 |
| 47.5° | 13587.5 | 13567.1 | 12620.6 | 11460.3 | 11653.7 | 12152.4 | 12386.5 | 12203.3 | 10981.9 | 10686.8 | 12936.1 |
| 50° | 13770.7 | 13597.6 | 12732.5 | 12060.8 | 12824.1 | 13831.7 | 13780.8 | 13445.0 | 11643.5 | 10890.3 | 12742.7 |
| 52.5° | 13892.8 | 13740.1 | 12956.4 | 12600.2 | 13943.7 | 15083.6 | 15287.2 | 14666.3 | 12417.0 | 11266.9 | 12834.3 |
| 55° | 14330.4 | 14208.3 | 13628.2 | 13333.0 | 15236.3 | 16406.7 | 16437.3 | 15572.1 | 13231.2 | 11887.8 | 13434.8 |
| 57.5° | 14859.7 | 14930.9 | 14554.4 | 14371.2 | 16223.5 | 17373.6 | 17261.7 | 16243.9 | 13923.3 | 12640.9 | 14126.9 |
| 60° | 15236.3 | 15348.2 | 15256.6 | 15277.0 | 16712.1 | 17699.3 | 17444.9 | 16661.2 | 14432.2 | 13210.9 | 14971.6 |
| 62.5° | 15032.7 | 15256.6 | 15633.2 | 15551.8 | 16732.4 | 17465.2 | 17109.0 | 16111.6 | 14493.3 | 13953.9 | 15612.9 |
| 65° | 14472.9 | 14493.3 | 15226.1 | 15673.9 | 15816.4 | 16254.1 | 15785.9 | 14961.5 | 13862.3 | 14411.9 | 15521.3 |
| 67.5° | 13037.9 | 13200.7 | 13862.3 | 14737.6 | 14137.1 | 14238.8 | 14198.1 | 13007.3 | 12905.5 | 14096.3 | 14819.0 |
| 70° | 11511.2 | 11623.1 | 12345.8 | 13373.7 | 11938.6 | 11460.3 | 11551.9 | 10666.4 | 11083.7 | 13119.3 | 13404.3 |
| 72.5° | 9516.3 | 9587.6 | 10412.0 | 11317.8 | 9577.4 | 8722.4 | 8936.2 | 8213.5 | 8803.9 | 11480.6 | 11307.6 |
| 75° | 7185.6 | 7317.9 | 7959.1 | 9027.8 | 7053.3 | 6503.7 | 6717.4 | 6422.2 | 6971.8 | 9455.2 | 8773.3 |
| 77.5° | 5109.3 | 5007.5 | 5801.4 | 7063.4 | 5302.7 | 4977.0 | 4997.3 | 5048.2 | 5638.5 | 7969.3 | 6300.1 |
| 80° | 3480.8 | 3511.4 | 4223.8 | 5180.5 | 4162.7 | 4111.9 | 4061.0 | 4468.1 | 4732.7 | 6310.3 | 4580.0 |
| 82.5° | 2066.1 | 2066.1 | 2849.8 | 3684.4 | 3287.5 | 3704.7 | 3470.7 | 3837.1 | 3704.7 | 4641.1 | 3002.5 |
| 85° | 966.9 | 966.9 | 1465.6 | 2656.4 | 2544.5 | 3053.4 | 2595.4 | 2900.7 | 2737.8 | 3236.6 | 1353.7 |
| 87.5° | 162.8 | 142.5 | 295.2 | 1302.8 | 1048.3 | 1190.8 | 468.2 | 1547.0 | 1720.1 | 2259.5 | 335.9 |
| 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: P598973
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 |
| 2.5° | 7562.2 | 7490.9 | 7348.4 | 7165.2 | 7012.6 | 6819.2 | 6758.1 | 6625.8 | 6442.6 | 6422.2 | 6340.8 |
| 5° | 7124.5 | 6880.2 | 6574.9 | 6198.3 | 5943.9 | 5679.3 | 5455.3 | 5323.0 | 5170.4 | 5150.0 | 5109.3 |
| 7.5° | 6646.1 | 6340.8 | 5831.9 | 5384.1 | 4946.4 | 4529.2 | 4325.6 | 4071.1 | 3898.1 | 3765.8 | 3704.7 |
| 10° | 6198.3 | 5913.3 | 5282.3 | 4671.6 | 4284.9 | 4010.1 | 3765.8 | 3501.2 | 3287.5 | 3124.6 | 3063.5 |
| 12.5° | 5903.2 | 5567.3 | 4885.4 | 4305.2 | 4020.3 | 3704.7 | 3429.9 | 3145.0 | 2870.2 | 2656.4 | 2544.5 |
| 15° | 5770.9 | 5455.3 | 4763.2 | 4122.0 | 3704.7 | 3267.1 | 2951.6 | 2666.6 | 2330.7 | 2178.1 | 2127.2 |
| 17.5° | 6086.4 | 5618.2 | 4722.5 | 3908.3 | 3318.0 | 2819.3 | 2432.5 | 2127.2 | 1882.9 | 1730.2 | 1669.2 |
| 20° | 6493.5 | 5913.3 | 4793.8 | 3653.9 | 2951.6 | 2391.8 | 1964.3 | 1638.6 | 1475.8 | 1363.8 | 1353.7 |
| 22.5° | 7012.6 | 6351.0 | 4905.7 | 3470.7 | 2544.5 | 1923.6 | 1536.9 | 1343.5 | 1231.5 | 1221.3 | 1201.0 |
| 25° | 7938.7 | 7144.9 | 5088.9 | 3226.4 | 2218.8 | 1587.7 | 1312.9 | 1201.0 | 1150.1 | 1119.6 | 1139.9 |
| 27.5° | 8732.6 | 7663.9 | 5221.2 | 3073.7 | 2086.5 | 1496.1 | 1272.2 | 1150.1 | 1099.2 | 1089.0 | 1099.2 |
| 30° | 9200.8 | 8142.3 | 5180.5 | 2788.7 | 1821.8 | 1424.9 | 1353.7 | 1312.9 | 1211.2 | 1129.7 | 1129.7 |
| 32.5° | 9628.3 | 8447.6 | 5170.4 | 2534.3 | 1557.2 | 1190.8 | 1129.7 | 1099.2 | 1160.3 | 1201.0 | 1170.5 |
| 35° | 10218.6 | 8926.0 | 5139.8 | 2391.8 | 1445.3 | 1099.2 | 997.4 | 916.0 | 875.3 | 854.9 | 885.5 |
| 37.5° | 10849.6 | 9251.7 | 5058.4 | 2371.4 | 1384.2 | 1048.3 | 966.9 | 885.5 | 844.8 | 824.4 | 814.2 |
| 40° | 11541.7 | 9597.7 | 4966.8 | 2269.7 | 1353.7 | 1017.8 | 936.4 | 865.1 | 814.2 | 783.7 | 773.5 |
| 42.5° | 11989.5 | 9872.5 | 4875.2 | 2218.8 | 1292.6 | 997.4 | 905.8 | 844.8 | 793.9 | 753.2 | 753.2 |
| 45° | 12244.0 | 10198.2 | 4783.6 | 2167.9 | 1221.3 | 1007.6 | 905.8 | 824.4 | 763.3 | 743.0 | 722.6 |
| 47.5° | 12355.9 | 10442.5 | 4753.1 | 2086.5 | 1160.3 | 966.9 | 885.5 | 804.1 | 743.0 | 702.3 | 692.1 |
| 50° | 12651.1 | 10961.6 | 4865.0 | 2025.4 | 1089.0 | 926.2 | 936.4 | 793.9 | 732.8 | 681.9 | 671.7 |
| 52.5° | 12824.1 | 11378.9 | 5109.3 | 1933.8 | 1038.1 | 875.3 | 916.0 | 773.5 | 702.3 | 651.4 | 651.4 |
| 55° | 13455.1 | 12071.0 | 5373.9 | 1862.6 | 977.1 | 804.1 | 844.8 | 732.8 | 651.4 | 620.9 | 620.9 |
| 57.5° | 14259.2 | 12803.8 | 5597.8 | 1832.0 | 936.4 | 753.2 | 753.2 | 712.5 | 620.9 | 580.1 | 570.0 |
| 60° | 14819.0 | 13404.3 | 5730.1 | 1811.7 | 895.7 | 702.3 | 671.7 | 712.5 | 590.3 | 549.6 | 539.4 |
| 62.5° | 14880.0 | 13058.2 | 5597.8 | 1801.5 | 885.5 | 651.4 | 610.7 | 681.9 | 559.8 | 519.1 | 498.7 |
| 65° | 14493.3 | 12355.9 | 5231.4 | 1760.8 | 875.3 | 600.5 | 570.0 | 590.3 | 519.1 | 488.5 | 468.2 |
| 67.5° | 13719.8 | 11216.0 | 4702.2 | 1740.4 | 865.1 | 559.8 | 519.1 | 508.9 | 478.4 | 447.8 | 427.5 |
| 70° | 11918.3 | 9730.0 | 4081.3 | 1648.8 | 844.8 | 529.2 | 468.2 | 458.0 | 427.5 | 407.1 | 396.9 |
| 72.5° | 10004.8 | 7959.1 | 3368.9 | 1526.7 | 804.1 | 478.4 | 427.5 | 407.1 | 396.9 | 366.4 | 356.2 |
| 75° | 7663.9 | 6127.1 | 2697.1 | 1353.7 | 702.3 | 427.5 | 376.6 | 356.2 | 346.0 | 325.7 | 315.5 |
| 77.5° | 5384.1 | 4559.7 | 1994.9 | 1099.2 | 590.3 | 386.8 | 335.9 | 315.5 | 305.3 | 274.8 | 274.8 |
| 80° | 3653.9 | 3195.9 | 1353.7 | 763.3 | 458.0 | 315.5 | 295.2 | 274.8 | 254.4 | 234.1 | 234.1 |
| 82.5° | 2269.7 | 2239.1 | 977.1 | 498.7 | 335.9 | 254.4 | 234.1 | 234.1 | 203.6 | 183.2 | 183.2 |
| 85° | 1038.1 | 1374.0 | 681.9 | 346.0 | 254.4 | 193.4 | 193.4 | 183.2 | 162.8 | 132.3 | 132.3 |
| 87.5° | 325.7 | 458.0 | 356.2 | 152.7 | 142.5 | 112.0 | 112.0 | 101.8 | 101.8 | 81.4 | 81.4 |
| 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: P598973
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 |
| 2.5° | 6422.2 | 6412.1 | 6412.1 | 6371.3 | 6473.1 | 6473.1 | 6534.2 | 6483.3 | 6513.8 | 6524.0 | 6605.4 |
| 5° | 5099.1 | 5180.5 | 5241.6 | 5363.7 | 5435.0 | 5465.5 | 5465.5 | 5546.9 | 5516.4 | 5577.5 | 5699.6 |
| 7.5° | 3735.3 | 3837.1 | 4020.3 | 4172.9 | 4295.1 | 4335.8 | 4325.6 | 4346.0 | 4376.5 | 4305.2 | 4325.6 |
| 10° | 3022.8 | 2951.6 | 3012.6 | 3155.1 | 3267.1 | 3399.4 | 3297.6 | 3287.5 | 3318.0 | 3287.5 | 3348.5 |
| 12.5° | 2524.1 | 2442.7 | 2391.8 | 2391.8 | 2473.2 | 2534.3 | 2503.8 | 2554.6 | 2666.6 | 2697.1 | 2768.4 |
| 15° | 2045.8 | 1974.5 | 1933.8 | 1882.9 | 1964.3 | 1984.7 | 2015.2 | 2086.5 | 2167.9 | 2208.6 | 2290.0 |
| 17.5° | 1638.6 | 1638.6 | 1638.6 | 1597.9 | 1628.5 | 1659.0 | 1669.2 | 1760.8 | 1770.9 | 1811.7 | 1842.2 |
| 20° | 1343.5 | 1374.0 | 1424.9 | 1445.3 | 1475.8 | 1475.8 | 1455.4 | 1506.3 | 1465.6 | 1496.1 | 1516.5 |
| 22.5° | 1211.2 | 1251.9 | 1272.2 | 1282.4 | 1323.1 | 1333.3 | 1282.4 | 1292.6 | 1302.8 | 1272.2 | 1282.4 |
| 25° | 1139.9 | 1160.3 | 1139.9 | 1150.1 | 1160.3 | 1139.9 | 1150.1 | 1170.5 | 1160.3 | 1180.6 | 1170.5 |
| 27.5° | 1109.4 | 1089.0 | 1078.9 | 1068.7 | 1068.7 | 1048.3 | 1058.5 | 1058.5 | 1078.9 | 1089.0 | 1089.0 |
| 30° | 1109.4 | 1078.9 | 1038.1 | 1007.6 | 1007.6 | 977.1 | 997.4 | 1017.8 | 1028.0 | 1048.3 | 1048.3 |
| 32.5° | 1139.9 | 1078.9 | 1007.6 | 977.1 | 946.5 | 926.2 | 946.5 | 977.1 | 1017.8 | 1028.0 | 1038.1 |
| 35° | 905.8 | 936.4 | 926.2 | 885.5 | 875.3 | 875.3 | 865.1 | 865.1 | 834.6 | 834.6 | 824.4 |
| 37.5° | 814.2 | 804.1 | 824.4 | 834.6 | 844.8 | 814.2 | 814.2 | 773.5 | 763.3 | 773.5 | 773.5 |
| 40° | 763.3 | 763.3 | 763.3 | 793.9 | 804.1 | 783.7 | 753.2 | 732.8 | 732.8 | 732.8 | 743.0 |
| 42.5° | 743.0 | 722.6 | 712.5 | 732.8 | 763.3 | 743.0 | 712.5 | 702.3 | 702.3 | 712.5 | 712.5 |
| 45° | 712.5 | 702.3 | 692.1 | 681.9 | 722.6 | 692.1 | 681.9 | 671.7 | 671.7 | 671.7 | 681.9 |
| 47.5° | 681.9 | 671.7 | 651.4 | 651.4 | 661.6 | 651.4 | 641.2 | 641.2 | 641.2 | 661.6 | 661.6 |
| 50° | 661.6 | 651.4 | 631.0 | 631.0 | 631.0 | 631.0 | 620.9 | 620.9 | 620.9 | 631.0 | 641.2 |
| 52.5° | 631.0 | 620.9 | 610.7 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 | 600.5 | 610.7 | 620.9 |
| 55° | 600.5 | 590.3 | 580.1 | 580.1 | 590.3 | 590.3 | 580.1 | 590.3 | 580.1 | 590.3 | 600.5 |
| 57.5° | 570.0 | 559.8 | 549.6 | 559.8 | 570.0 | 559.8 | 559.8 | 559.8 | 559.8 | 559.8 | 570.0 |
| 60° | 529.2 | 529.2 | 529.2 | 529.2 | 549.6 | 549.6 | 549.6 | 549.6 | 529.2 | 539.4 | 549.6 |
| 62.5° | 508.9 | 498.7 | 498.7 | 508.9 | 519.1 | 519.1 | 529.2 | 519.1 | 508.9 | 519.1 | 519.1 |
| 65° | 468.2 | 468.2 | 468.2 | 478.4 | 478.4 | 488.5 | 488.5 | 488.5 | 478.4 | 488.5 | 488.5 |
| 67.5° | 437.6 | 437.6 | 437.6 | 437.6 | 458.0 | 458.0 | 458.0 | 458.0 | 447.8 | 447.8 | 458.0 |
| 70° | 386.8 | 396.9 | 386.8 | 407.1 | 427.5 | 417.3 | 427.5 | 427.5 | 417.3 | 407.1 | 427.5 |
| 72.5° | 356.2 | 356.2 | 356.2 | 356.2 | 386.8 | 386.8 | 386.8 | 396.9 | 386.8 | 376.6 | 386.8 |
| 75° | 315.5 | 315.5 | 315.5 | 325.7 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 335.9 | 335.9 |
| 77.5° | 274.8 | 285.0 | 274.8 | 285.0 | 305.3 | 295.2 | 305.3 | 315.5 | 305.3 | 295.2 | 295.2 |
| 80° | 234.1 | 234.1 | 234.1 | 244.3 | 254.4 | 254.4 | 254.4 | 264.6 | 254.4 | 244.3 | 244.3 |
| 82.5° | 183.2 | 183.2 | 193.4 | 193.4 | 203.6 | 203.6 | 203.6 | 213.7 | 203.6 | 193.4 | 193.4 |
| 85° | 142.5 | 142.5 | 142.5 | 152.7 | 152.7 | 162.8 | 162.8 | 173.0 | 173.0 | 162.8 | 162.8 |
| 87.5° | 91.6 | 81.4 | 91.6 | 91.6 | 101.8 | 101.8 | 91.6 | 81.4 | 91.6 | 81.4 | 71.2 |
| 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: P598973
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 | 7328.1 |
| 2.5° | 6686.9 | 6870.1 | 7002.4 | 7094.0 | 7226.3 | 7480.7 | 7582.5 | 7765.7 | 7816.6 | 7847.1 |
| 5° | 5750.5 | 5943.9 | 6228.9 | 6432.4 | 6666.5 | 7144.9 | 7511.3 | 7786.1 | 7908.2 | 8020.2 |
| 7.5° | 4508.8 | 4763.2 | 5058.4 | 5323.0 | 5709.8 | 6300.1 | 6778.5 | 7348.4 | 7562.2 | 7674.1 |
| 10° | 3521.5 | 3755.6 | 4081.3 | 4407.0 | 4946.4 | 5445.2 | 6127.1 | 6646.1 | 6941.3 | 7022.7 |
| 12.5° | 2971.9 | 3246.7 | 3633.5 | 4030.4 | 4366.3 | 4936.3 | 5628.4 | 6381.5 | 6656.3 | 6707.2 |
| 15° | 2524.1 | 2900.7 | 3297.6 | 3704.7 | 4091.5 | 4590.2 | 5333.2 | 6249.2 | 6656.3 | 6707.2 |
| 17.5° | 2086.5 | 2422.3 | 2890.5 | 3328.2 | 3776.0 | 4457.9 | 5384.1 | 6361.2 | 6768.3 | 6921.0 |
| 20° | 1659.0 | 1984.7 | 2351.1 | 2900.7 | 3511.4 | 4234.0 | 5496.0 | 6737.7 | 7277.2 | 7440.0 |
| 22.5° | 1374.0 | 1516.5 | 1872.7 | 2402.0 | 3124.6 | 4081.3 | 5608.0 | 7328.1 | 7898.0 | 7959.1 |
| 25° | 1201.0 | 1302.8 | 1526.7 | 2025.4 | 2819.3 | 3979.5 | 5872.6 | 8010.0 | 8742.8 | 8742.8 |
| 27.5° | 1119.6 | 1160.3 | 1312.9 | 1760.8 | 2605.5 | 3887.9 | 6137.3 | 8763.1 | 9445.1 | 9587.6 |
| 30° | 1099.2 | 1201.0 | 1282.4 | 1567.4 | 2371.4 | 3633.5 | 6381.5 | 9353.5 | 10055.7 | 10065.9 |
| 32.5° | 1078.9 | 1058.5 | 1119.6 | 1363.8 | 2086.5 | 3368.9 | 6585.1 | 9954.0 | 10503.6 | 10534.1 |
| 35° | 844.8 | 885.5 | 987.3 | 1201.0 | 1872.7 | 3175.5 | 6686.9 | 10279.6 | 11073.5 | 11104.1 |
| 37.5° | 793.9 | 844.8 | 926.2 | 1109.4 | 1730.2 | 3012.6 | 6717.4 | 10910.7 | 11674.0 | 11735.1 |
| 40° | 773.5 | 814.2 | 875.3 | 1028.0 | 1618.3 | 2809.1 | 6778.5 | 11562.1 | 12559.5 | 12478.1 |
| 42.5° | 732.8 | 783.7 | 844.8 | 987.3 | 1526.7 | 2656.4 | 6788.6 | 11918.3 | 13027.7 | 13027.7 |
| 45° | 722.6 | 753.2 | 824.4 | 987.3 | 1424.9 | 2524.1 | 6625.8 | 12274.5 | 13567.1 | 13404.3 |
| 47.5° | 681.9 | 743.0 | 804.1 | 956.7 | 1302.8 | 2391.8 | 6432.4 | 12457.7 | 13638.3 | 13587.5 |
| 50° | 671.7 | 732.8 | 834.6 | 905.8 | 1231.5 | 2330.7 | 6391.7 | 12915.7 | 13780.8 | 13770.7 |
| 52.5° | 651.4 | 712.5 | 865.1 | 865.1 | 1139.9 | 2249.3 | 6585.1 | 13119.3 | 13811.4 | 13892.8 |
| 55° | 620.9 | 712.5 | 804.1 | 793.9 | 1058.5 | 2147.5 | 6798.8 | 13648.5 | 14350.8 | 14330.4 |
| 57.5° | 600.5 | 692.1 | 763.3 | 722.6 | 966.9 | 2076.3 | 7114.3 | 14157.4 | 15002.2 | 14859.7 |
| 60° | 570.0 | 692.1 | 681.9 | 671.7 | 895.7 | 2015.2 | 7379.0 | 14259.2 | 15144.7 | 15236.3 |
| 62.5° | 549.6 | 722.6 | 600.5 | 620.9 | 834.6 | 1984.7 | 7267.0 | 13495.9 | 14951.3 | 15032.7 |
| 65° | 529.2 | 620.9 | 549.6 | 570.0 | 814.2 | 1923.6 | 6829.4 | 12579.8 | 14116.7 | 14472.9 |
| 67.5° | 488.5 | 508.9 | 508.9 | 529.2 | 793.9 | 1781.1 | 5933.7 | 10931.0 | 12844.5 | 13037.9 |
| 70° | 447.8 | 458.0 | 458.0 | 488.5 | 773.5 | 1618.3 | 4895.6 | 9455.2 | 11144.8 | 11511.2 |
| 72.5° | 407.1 | 407.1 | 407.1 | 447.8 | 712.5 | 1486.0 | 4030.4 | 7267.0 | 9261.9 | 9516.3 |
| 75° | 356.2 | 356.2 | 356.2 | 396.9 | 641.2 | 1353.7 | 3175.5 | 5404.4 | 6819.2 | 7185.6 |
| 77.5° | 315.5 | 315.5 | 305.3 | 356.2 | 559.8 | 1099.2 | 2290.0 | 3816.7 | 4804.0 | 5109.3 |
| 80° | 264.6 | 254.4 | 254.4 | 285.0 | 437.6 | 793.9 | 1475.8 | 2697.1 | 3348.5 | 3480.8 |
| 82.5° | 213.7 | 203.6 | 193.4 | 213.7 | 315.5 | 498.7 | 916.0 | 1882.9 | 2147.5 | 2066.1 |
| 85° | 203.6 | 213.7 | 173.0 | 162.8 | 223.9 | 325.7 | 580.1 | 1160.3 | 966.9 | 966.9 |
| 87.5° | 81.4 | 71.2 | 71.2 | 61.1 | 112.0 | 122.1 | 254.4 | 213.7 | 162.8 | 162.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)