

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: P598927

Luminaire Tested: **IFLD-L-SA7B-730-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: P598927
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

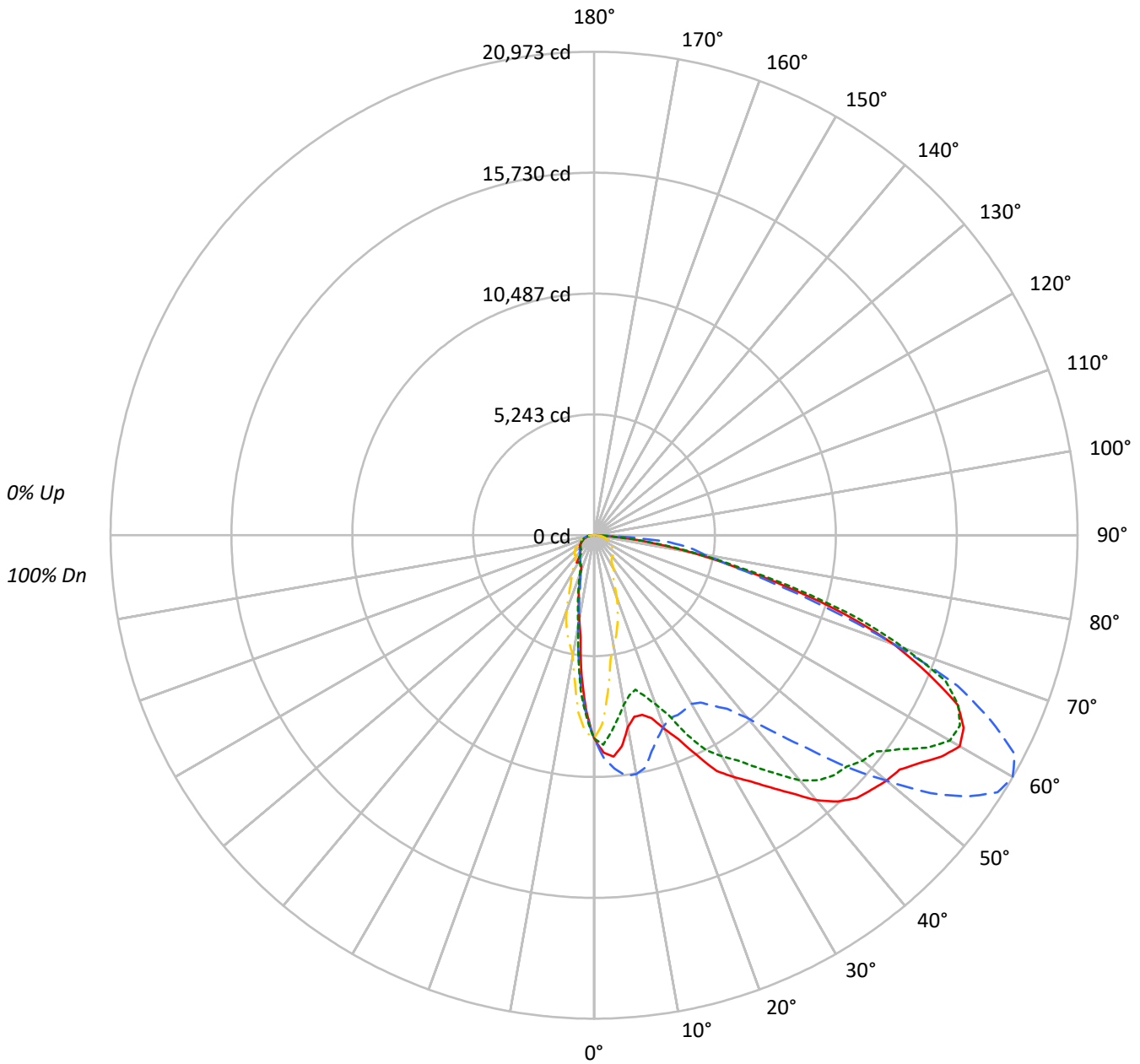
Lumens per Lamp: N/A
 Luminaire Lumens: 27583.7 lumens
 Efficiency: N/A
 Efficacy: 98.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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: P598927

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 47416 | 47416 | 47416 | 47416 |
| 5° | 52092 | 46274 | 33185 | 36226 |
| 10° | 46141 | 40725 | 20128 | 21599 |
| 15° | 44929 | 38657 | 14249 | 14795 |
| 20° | 51230 | 44712 | 9321 | 10302 |
| 25° | 62417 | 56677 | 8138 | 8429 |
| 30° | 75206 | 68742 | 8441 | 7832 |
| 35° | 87710 | 80716 | 6995 | 6592 |
| 40° | 105396 | 97487 | 6534 | 6190 |
| 45° | 122656 | 112039 | 6613 | 6147 |
| 50° | 138617 | 127348 | 6762 | 6352 |
| 55° | 161659 | 151785 | 7004 | 6659 |
| 60° | 197169 | 191769 | 6980 | 6980 |
| 65° | 221584 | 221896 | 7168 | 7479 |
| 70° | 217771 | 225472 | 7509 | 7701 |
| 75° | 179638 | 191596 | 7887 | 8397 |
| 80° | 129701 | 136148 | 8722 | 9103 |
| 85° | 71779 | 77071 | 9825 | 12091 |

TEST NUMBER: P598927
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 684.4 | 2.5 |
| 10°-20° | 1445.0 | 5.2 |
| 20°-30° | 2114.3 | 7.7 |
| 30°-40° | 2978.9 | 10.8 |
| 40°-50° | 4093.9 | 14.8 |
| 50°-60° | 5579.5 | 20.2 |
| 60°-70° | 6106.5 | 22.1 |
| 70°-80° | 3525.5 | 12.8 |
| 80°-90° | 1055.7 | 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° | 4243.7 | 15.4 |
| 0°-40° | 7222.6 | 26.2 |
| 0°-60° | 16896.0 | 61.3 |
| 0°-90° | 27583.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 27583.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|------|------|-------|-------|
| 0° | 8810 | 8810 | 8810 | 8810 | 8810 | |
| 5° | 9642 | 8565 | 6143 | 6705 | 9642 | 876 |
| 15° | 8064 | 6938 | 2557 | 2655 | 8064 | 2356 |
| 25° | 10511 | 9544 | 1370 | 1419 | 10511 | 4922 |
| 35° | 13350 | 12285 | 1065 | 1003 | 13350 | 8465 |
| 45° | 16115 | 14720 | 869 | 808 | 16115 | 12386 |
| 55° | 17229 | 16176 | 746 | 710 | 17229 | 15545 |
| 65° | 17400 | 17424 | 563 | 587 | 17400 | 16654 |
| 75° | 8639 | 9214 | 379 | 404 | 8639 | 9280 |
| 85° | 1162 | 1248 | 159 | 196 | 1162 | 1613 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P598927
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 |
| 2.5° | 9434.1 | 9397.4 | 9434.1 | 9568.7 | 9605.4 | 9666.6 | 9666.6 | 9581.0 | 9421.9 | 9348.5 | 9226.1 |
| 5° | 9642.1 | 9581.0 | 9886.9 | 10168.3 | 10388.5 | 10364.1 | 10156.1 | 9984.7 | 9666.6 | 9189.4 | 8736.7 |
| 7.5° | 9226.1 | 9287.3 | 9507.5 | 10241.7 | 10755.6 | 10853.5 | 10523.1 | 10180.5 | 9495.3 | 8834.5 | 8222.7 |
| 10° | 8443.0 | 8528.6 | 9005.9 | 9764.5 | 10572.1 | 10731.2 | 10523.1 | 10107.1 | 9287.3 | 8467.5 | 7757.8 |
| 12.5° | 8063.7 | 8259.4 | 8540.9 | 9458.6 | 10033.7 | 10413.0 | 10315.1 | 10045.9 | 9128.2 | 8161.6 | 7476.3 |
| 15° | 8063.7 | 8112.6 | 8528.6 | 9299.5 | 9629.9 | 9642.1 | 9678.8 | 9727.8 | 9177.2 | 8296.2 | 7378.4 |
| 17.5° | 8320.6 | 8455.2 | 8810.1 | 9287.3 | 9348.5 | 9201.6 | 9201.6 | 9409.6 | 9275.0 | 8675.5 | 7733.3 |
| 20° | 8944.7 | 8895.7 | 9360.7 | 9556.5 | 9226.1 | 8859.0 | 8822.3 | 9177.2 | 9385.2 | 9079.3 | 8381.8 |
| 22.5° | 9568.7 | 9789.0 | 10168.3 | 9727.8 | 9116.0 | 8626.5 | 8577.6 | 9018.1 | 9715.6 | 9776.7 | 9128.2 |
| 25° | 10510.9 | 10731.2 | 10926.9 | 10388.5 | 9103.7 | 8565.3 | 8602.1 | 8944.7 | 10119.3 | 10767.9 | 10376.3 |
| 27.5° | 11526.5 | 11661.1 | 11942.5 | 11110.5 | 9397.4 | 8491.9 | 8528.6 | 9042.6 | 10498.7 | 11416.4 | 11355.2 |
| 30° | 12101.6 | 12248.4 | 12187.3 | 11245.1 | 9593.2 | 8540.9 | 8443.0 | 9177.2 | 10290.7 | 11416.4 | 11991.5 |
| 32.5° | 12664.5 | 12578.8 | 12542.1 | 11465.3 | 9837.9 | 8846.8 | 8602.1 | 9458.6 | 10413.0 | 11599.9 | 12811.3 |
| 35° | 13349.7 | 13227.3 | 13129.5 | 11893.6 | 10241.7 | 9140.5 | 9030.3 | 9825.7 | 10682.2 | 11979.3 | 13472.1 |
| 37.5° | 14108.4 | 14108.4 | 13631.1 | 12211.7 | 10718.9 | 9617.7 | 9495.3 | 10351.8 | 11110.5 | 12211.7 | 14377.5 |
| 40° | 15001.6 | 15038.3 | 14194.0 | 12640.0 | 11257.3 | 10376.3 | 10339.6 | 11037.1 | 11526.5 | 12554.4 | 15246.3 |
| 42.5° | 15662.4 | 15686.8 | 14683.5 | 12799.1 | 11881.4 | 11428.6 | 11587.7 | 12138.3 | 12003.7 | 12860.3 | 15307.5 |
| 45° | 16115.1 | 15992.7 | 15026.1 | 13251.8 | 12566.6 | 13007.1 | 13056.0 | 13215.1 | 12627.8 | 13043.8 | 15552.2 |
| 47.5° | 16335.3 | 16310.9 | 15172.9 | 13778.0 | 14010.5 | 14610.0 | 14891.5 | 14671.2 | 13202.9 | 12848.0 | 15552.2 |
| 50° | 16555.6 | 16347.6 | 15307.5 | 14499.9 | 15417.6 | 16629.0 | 16567.8 | 16164.0 | 13998.2 | 13092.7 | 15319.7 |
| 52.5° | 16702.4 | 16518.9 | 15576.7 | 15148.4 | 16763.6 | 18134.1 | 18378.8 | 17632.4 | 14928.2 | 13545.5 | 15429.9 |
| 55° | 17228.6 | 17081.8 | 16384.3 | 16029.4 | 18317.6 | 19724.8 | 19761.5 | 18721.4 | 15907.1 | 14291.9 | 16151.8 |
| 57.5° | 17864.9 | 17950.5 | 17497.8 | 17277.5 | 19504.5 | 20887.2 | 20752.6 | 19529.0 | 16739.1 | 15197.4 | 16983.9 |
| 60° | 18317.6 | 18452.2 | 18342.1 | 18366.6 | 20091.9 | 21278.8 | 20972.9 | 20030.7 | 17350.9 | 15882.6 | 17999.5 |
| 62.5° | 18072.9 | 18342.1 | 18794.8 | 18696.9 | 20116.3 | 20997.3 | 20569.1 | 19369.9 | 17424.4 | 16775.8 | 18770.3 |
| 65° | 17399.9 | 17424.4 | 18305.4 | 18843.8 | 19015.1 | 19541.2 | 18978.4 | 17987.2 | 16665.7 | 17326.5 | 18660.2 |
| 67.5° | 15674.6 | 15870.4 | 16665.7 | 17718.0 | 16996.1 | 17118.5 | 17069.5 | 15637.9 | 15515.5 | 16947.2 | 17815.9 |
| 70° | 13839.2 | 13973.8 | 14842.5 | 16078.4 | 14353.1 | 13778.0 | 13888.1 | 12823.6 | 13325.2 | 15772.5 | 16115.1 |
| 72.5° | 11440.9 | 11526.5 | 12517.6 | 13606.7 | 11514.3 | 10486.4 | 10743.4 | 9874.6 | 10584.3 | 13802.4 | 13594.4 |
| 75° | 8638.8 | 8797.8 | 9568.7 | 10853.5 | 8479.7 | 7818.9 | 8075.9 | 7721.1 | 8381.8 | 11367.4 | 10547.6 |
| 77.5° | 6142.6 | 6020.2 | 6974.6 | 8491.9 | 6375.1 | 5983.5 | 6008.0 | 6069.2 | 6778.9 | 9581.0 | 7574.2 |
| 80° | 4184.8 | 4221.5 | 5078.0 | 6228.2 | 5004.6 | 4943.4 | 4882.2 | 5371.7 | 5689.8 | 7586.5 | 5506.3 |
| 82.5° | 2484.0 | 2484.0 | 3426.1 | 4429.5 | 3952.3 | 4454.0 | 4172.5 | 4613.1 | 4454.0 | 5579.7 | 3609.7 |
| 85° | 1162.4 | 1162.4 | 1762.0 | 3193.7 | 3059.1 | 3670.9 | 3120.2 | 3487.3 | 3291.5 | 3891.1 | 1627.4 |
| 87.5° | 195.8 | 171.3 | 354.9 | 1566.2 | 1260.3 | 1431.6 | 562.9 | 1859.9 | 2067.9 | 2716.4 | 403.8 |
| 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: P598927
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 |
| 2.5° | 9091.5 | 9005.9 | 8834.5 | 8614.3 | 8430.8 | 8198.3 | 8124.8 | 7965.8 | 7745.5 | 7721.1 | 7623.2 |
| 5° | 8565.3 | 8271.7 | 7904.6 | 7451.9 | 7145.9 | 6827.8 | 6558.6 | 6399.5 | 6216.0 | 6191.5 | 6142.6 |
| 7.5° | 7990.2 | 7623.2 | 7011.3 | 6473.0 | 5946.8 | 5445.1 | 5200.4 | 4894.5 | 4686.5 | 4527.4 | 4454.0 |
| 10° | 7451.9 | 7109.2 | 6350.6 | 5616.4 | 5151.4 | 4821.1 | 4527.4 | 4209.3 | 3952.3 | 3756.5 | 3683.1 |
| 12.5° | 7097.0 | 6693.2 | 5873.4 | 5175.9 | 4833.3 | 4454.0 | 4123.6 | 3781.0 | 3450.6 | 3193.7 | 3059.1 |
| 15° | 6937.9 | 6558.6 | 5726.5 | 4955.7 | 4454.0 | 3927.8 | 3548.5 | 3205.9 | 2802.1 | 2618.5 | 2557.4 |
| 17.5° | 7317.3 | 6754.4 | 5677.6 | 4698.7 | 3989.0 | 3389.4 | 2924.5 | 2557.4 | 2263.7 | 2080.2 | 2006.7 |
| 20° | 7806.7 | 7109.2 | 5763.3 | 4392.8 | 3548.5 | 2875.5 | 2361.6 | 1970.0 | 1774.3 | 1639.7 | 1627.4 |
| 22.5° | 8430.8 | 7635.4 | 5897.9 | 4172.5 | 3059.1 | 2312.6 | 1847.7 | 1615.2 | 1480.6 | 1468.3 | 1443.9 |
| 25° | 9544.2 | 8589.8 | 6118.1 | 3878.9 | 2667.5 | 1908.8 | 1578.5 | 1443.9 | 1382.7 | 1346.0 | 1370.5 |
| 27.5° | 10498.7 | 9213.9 | 6277.2 | 3695.3 | 2508.4 | 1798.7 | 1529.5 | 1382.7 | 1321.5 | 1309.3 | 1321.5 |
| 30° | 11061.5 | 9789.0 | 6228.2 | 3352.7 | 2190.3 | 1713.1 | 1627.4 | 1578.5 | 1456.1 | 1358.2 | 1358.2 |
| 32.5° | 11575.5 | 10156.1 | 6216.0 | 3046.8 | 1872.1 | 1431.6 | 1358.2 | 1321.5 | 1394.9 | 1443.9 | 1407.2 |
| 35° | 12285.2 | 10731.2 | 6179.3 | 2875.5 | 1737.5 | 1321.5 | 1199.1 | 1101.3 | 1052.3 | 1027.8 | 1064.6 |
| 37.5° | 13043.8 | 11122.7 | 6081.4 | 2851.0 | 1664.1 | 1260.3 | 1162.4 | 1064.6 | 1015.6 | 991.1 | 978.9 |
| 40° | 13875.9 | 11538.7 | 5971.3 | 2728.7 | 1627.4 | 1223.6 | 1125.7 | 1040.1 | 978.9 | 942.2 | 930.0 |
| 42.5° | 14414.3 | 11869.1 | 5861.1 | 2667.5 | 1554.0 | 1199.1 | 1089.0 | 1015.6 | 954.4 | 905.5 | 905.5 |
| 45° | 14720.2 | 12260.7 | 5751.0 | 2606.3 | 1468.3 | 1211.4 | 1089.0 | 991.1 | 917.7 | 893.2 | 868.8 |
| 47.5° | 14854.8 | 12554.4 | 5714.3 | 2508.4 | 1394.9 | 1162.4 | 1064.6 | 966.7 | 893.2 | 844.3 | 832.1 |
| 50° | 15209.6 | 13178.4 | 5848.9 | 2435.0 | 1309.3 | 1113.5 | 1125.7 | 954.4 | 881.0 | 819.8 | 807.6 |
| 52.5° | 15417.6 | 13680.1 | 6142.6 | 2324.9 | 1248.1 | 1052.3 | 1101.3 | 930.0 | 844.3 | 783.1 | 783.1 |
| 55° | 16176.3 | 14512.1 | 6460.7 | 2239.2 | 1174.7 | 966.7 | 1015.6 | 881.0 | 783.1 | 746.4 | 746.4 |
| 57.5° | 17142.9 | 15393.2 | 6729.9 | 2202.5 | 1125.7 | 905.5 | 905.5 | 856.5 | 746.4 | 697.5 | 685.2 |
| 60° | 17815.9 | 16115.1 | 6889.0 | 2178.0 | 1076.8 | 844.3 | 807.6 | 856.5 | 709.7 | 660.8 | 648.5 |
| 62.5° | 17889.3 | 15699.1 | 6729.9 | 2165.8 | 1064.6 | 783.1 | 734.2 | 819.8 | 673.0 | 624.0 | 599.6 |
| 65° | 17424.4 | 14854.8 | 6289.4 | 2116.9 | 1052.3 | 721.9 | 685.2 | 709.7 | 624.0 | 587.3 | 562.9 |
| 67.5° | 16494.4 | 13484.3 | 5653.1 | 2092.4 | 1040.1 | 673.0 | 624.0 | 611.8 | 575.1 | 538.4 | 513.9 |
| 70° | 14328.6 | 11697.8 | 4906.7 | 1982.3 | 1015.6 | 636.3 | 562.9 | 550.6 | 513.9 | 489.4 | 477.2 |
| 72.5° | 12028.2 | 9568.7 | 4050.2 | 1835.4 | 966.7 | 575.1 | 513.9 | 489.4 | 477.2 | 440.5 | 428.3 |
| 75° | 9213.9 | 7366.2 | 3242.6 | 1627.4 | 844.3 | 513.9 | 452.7 | 428.3 | 416.0 | 391.6 | 379.3 |
| 77.5° | 6473.0 | 5481.8 | 2398.3 | 1321.5 | 709.7 | 465.0 | 403.8 | 379.3 | 367.1 | 330.4 | 330.4 |
| 80° | 4392.8 | 3842.2 | 1627.4 | 917.7 | 550.6 | 379.3 | 354.9 | 330.4 | 305.9 | 281.4 | 281.4 |
| 82.5° | 2728.7 | 2692.0 | 1174.7 | 599.6 | 403.8 | 305.9 | 281.4 | 281.4 | 244.7 | 220.3 | 220.3 |
| 85° | 1248.1 | 1651.9 | 819.8 | 416.0 | 305.9 | 232.5 | 232.5 | 220.3 | 195.8 | 159.1 | 159.1 |
| 87.5° | 391.6 | 550.6 | 428.3 | 183.5 | 171.3 | 134.6 | 134.6 | 122.4 | 122.4 | 97.9 | 97.9 |
| 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: P598927
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 |
| 2.5° | 7721.1 | 7708.8 | 7708.8 | 7659.9 | 7782.2 | 7782.2 | 7855.6 | 7794.5 | 7831.2 | 7843.4 | 7941.3 |
| 5° | 6130.3 | 6228.2 | 6301.6 | 6448.5 | 6534.1 | 6570.8 | 6570.8 | 6668.7 | 6632.0 | 6705.4 | 6852.3 |
| 7.5° | 4490.7 | 4613.1 | 4833.3 | 5016.8 | 5163.7 | 5212.6 | 5200.4 | 5224.9 | 5261.6 | 5175.9 | 5200.4 |
| 10° | 3634.2 | 3548.5 | 3621.9 | 3793.2 | 3927.8 | 4086.9 | 3964.5 | 3952.3 | 3989.0 | 3952.3 | 4025.7 |
| 12.5° | 3034.6 | 2936.7 | 2875.5 | 2875.5 | 2973.4 | 3046.8 | 3010.1 | 3071.3 | 3205.9 | 3242.6 | 3328.2 |
| 15° | 2459.5 | 2373.8 | 2324.9 | 2263.7 | 2361.6 | 2386.1 | 2422.8 | 2508.4 | 2606.3 | 2655.3 | 2753.1 |
| 17.5° | 1970.0 | 1970.0 | 1970.0 | 1921.1 | 1957.8 | 1994.5 | 2006.7 | 2116.9 | 2129.1 | 2178.0 | 2214.8 |
| 20° | 1615.2 | 1651.9 | 1713.1 | 1737.5 | 1774.3 | 1774.3 | 1749.8 | 1811.0 | 1762.0 | 1798.7 | 1823.2 |
| 22.5° | 1456.1 | 1505.1 | 1529.5 | 1541.8 | 1590.7 | 1602.9 | 1541.8 | 1554.0 | 1566.2 | 1529.5 | 1541.8 |
| 25° | 1370.5 | 1394.9 | 1370.5 | 1382.7 | 1394.9 | 1370.5 | 1382.7 | 1407.2 | 1394.9 | 1419.4 | 1407.2 |
| 27.5° | 1333.7 | 1309.3 | 1297.0 | 1284.8 | 1284.8 | 1260.3 | 1272.6 | 1272.6 | 1297.0 | 1309.3 | 1309.3 |
| 30° | 1333.7 | 1297.0 | 1248.1 | 1211.4 | 1211.4 | 1174.7 | 1199.1 | 1223.6 | 1235.9 | 1260.3 | 1260.3 |
| 32.5° | 1370.5 | 1297.0 | 1211.4 | 1174.7 | 1138.0 | 1113.5 | 1138.0 | 1174.7 | 1223.6 | 1235.9 | 1248.1 |
| 35° | 1089.0 | 1125.7 | 1113.5 | 1064.6 | 1052.3 | 1052.3 | 1040.1 | 1040.1 | 1003.4 | 1003.4 | 991.1 |
| 37.5° | 978.9 | 966.7 | 991.1 | 1003.4 | 1015.6 | 978.9 | 978.9 | 930.0 | 917.7 | 930.0 | 930.0 |
| 40° | 917.7 | 917.7 | 917.7 | 954.4 | 966.7 | 942.2 | 905.5 | 881.0 | 881.0 | 881.0 | 893.2 |
| 42.5° | 893.2 | 868.8 | 856.5 | 881.0 | 917.7 | 893.2 | 856.5 | 844.3 | 844.3 | 856.5 | 856.5 |
| 45° | 856.5 | 844.3 | 832.1 | 819.8 | 868.8 | 832.1 | 819.8 | 807.6 | 807.6 | 807.6 | 819.8 |
| 47.5° | 819.8 | 807.6 | 783.1 | 783.1 | 795.4 | 783.1 | 770.9 | 770.9 | 770.9 | 795.4 | 795.4 |
| 50° | 795.4 | 783.1 | 758.6 | 758.6 | 758.6 | 758.6 | 746.4 | 746.4 | 746.4 | 758.6 | 770.9 |
| 52.5° | 758.6 | 746.4 | 734.2 | 721.9 | 721.9 | 721.9 | 721.9 | 721.9 | 721.9 | 734.2 | 746.4 |
| 55° | 721.9 | 709.7 | 697.5 | 697.5 | 709.7 | 709.7 | 697.5 | 709.7 | 697.5 | 709.7 | 721.9 |
| 57.5° | 685.2 | 673.0 | 660.8 | 673.0 | 685.2 | 673.0 | 673.0 | 673.0 | 673.0 | 673.0 | 685.2 |
| 60° | 636.3 | 636.3 | 636.3 | 636.3 | 660.8 | 660.8 | 660.8 | 660.8 | 636.3 | 648.5 | 660.8 |
| 62.5° | 611.8 | 599.6 | 599.6 | 611.8 | 624.0 | 624.0 | 636.3 | 624.0 | 611.8 | 624.0 | 624.0 |
| 65° | 562.9 | 562.9 | 562.9 | 575.1 | 575.1 | 587.3 | 587.3 | 587.3 | 575.1 | 587.3 | 587.3 |
| 67.5° | 526.2 | 526.2 | 526.2 | 526.2 | 550.6 | 550.6 | 550.6 | 550.6 | 538.4 | 538.4 | 550.6 |
| 70° | 465.0 | 477.2 | 465.0 | 489.4 | 513.9 | 501.7 | 513.9 | 513.9 | 501.7 | 489.4 | 513.9 |
| 72.5° | 428.3 | 428.3 | 428.3 | 428.3 | 465.0 | 465.0 | 465.0 | 477.2 | 465.0 | 452.7 | 465.0 |
| 75° | 379.3 | 379.3 | 379.3 | 391.6 | 416.0 | 416.0 | 416.0 | 416.0 | 416.0 | 403.8 | 403.8 |
| 77.5° | 330.4 | 342.6 | 330.4 | 342.6 | 367.1 | 354.9 | 367.1 | 379.3 | 367.1 | 354.9 | 354.9 |
| 80° | 281.4 | 281.4 | 281.4 | 293.7 | 305.9 | 305.9 | 305.9 | 318.1 | 305.9 | 293.7 | 293.7 |
| 82.5° | 220.3 | 220.3 | 232.5 | 232.5 | 244.7 | 244.7 | 244.7 | 257.0 | 244.7 | 232.5 | 232.5 |
| 85° | 171.3 | 171.3 | 171.3 | 183.5 | 183.5 | 195.8 | 195.8 | 208.0 | 208.0 | 195.8 | 195.8 |
| 87.5° | 110.1 | 97.9 | 110.1 | 110.1 | 122.4 | 122.4 | 110.1 | 97.9 | 110.1 | 97.9 | 85.7 |
| 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: P598927
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 | 8810.1 |
| 2.5° | 8039.2 | 8259.4 | 8418.5 | 8528.6 | 8687.7 | 8993.6 | 9116.0 | 9336.2 | 9397.4 | 9434.1 |
| 5° | 6913.5 | 7145.9 | 7488.6 | 7733.3 | 8014.7 | 8589.8 | 9030.3 | 9360.7 | 9507.5 | 9642.1 |
| 7.5° | 5420.6 | 5726.5 | 6081.4 | 6399.5 | 6864.5 | 7574.2 | 8149.3 | 8834.5 | 9091.5 | 9226.1 |
| 10° | 4233.7 | 4515.2 | 4906.7 | 5298.3 | 5946.8 | 6546.4 | 7366.2 | 7990.2 | 8345.1 | 8443.0 |
| 12.5° | 3573.0 | 3903.4 | 4368.3 | 4845.5 | 5249.3 | 5934.6 | 6766.6 | 7672.1 | 8002.5 | 8063.7 |
| 15° | 3034.6 | 3487.3 | 3964.5 | 4454.0 | 4919.0 | 5518.5 | 6411.8 | 7513.0 | 8002.5 | 8063.7 |
| 17.5° | 2508.4 | 2912.2 | 3475.1 | 4001.2 | 4539.6 | 5359.5 | 6473.0 | 7647.6 | 8137.1 | 8320.6 |
| 20° | 1994.5 | 2386.1 | 2826.6 | 3487.3 | 4221.5 | 5090.3 | 6607.6 | 8100.4 | 8748.9 | 8944.7 |
| 22.5° | 1651.9 | 1823.2 | 2251.5 | 2887.7 | 3756.5 | 4906.7 | 6742.2 | 8810.1 | 9495.3 | 9568.7 |
| 25° | 1443.9 | 1566.2 | 1835.4 | 2435.0 | 3389.4 | 4784.4 | 7060.3 | 9629.9 | 10510.9 | 10510.9 |
| 27.5° | 1346.0 | 1394.9 | 1578.5 | 2116.9 | 3132.5 | 4674.2 | 7378.4 | 10535.4 | 11355.2 | 11526.5 |
| 30° | 1321.5 | 1443.9 | 1541.8 | 1884.4 | 2851.0 | 4368.3 | 7672.1 | 11245.1 | 12089.4 | 12101.6 |
| 32.5° | 1297.0 | 1272.6 | 1346.0 | 1639.7 | 2508.4 | 4050.2 | 7916.8 | 11967.0 | 12627.8 | 12664.5 |
| 35° | 1015.6 | 1064.6 | 1186.9 | 1443.9 | 2251.5 | 3817.7 | 8039.2 | 12358.6 | 13313.0 | 13349.7 |
| 37.5° | 954.4 | 1015.6 | 1113.5 | 1333.7 | 2080.2 | 3621.9 | 8075.9 | 13117.2 | 14034.9 | 14108.4 |
| 40° | 930.0 | 978.9 | 1052.3 | 1235.9 | 1945.6 | 3377.2 | 8149.3 | 13900.3 | 15099.5 | 15001.6 |
| 42.5° | 881.0 | 942.2 | 1015.6 | 1186.9 | 1835.4 | 3193.7 | 8161.6 | 14328.6 | 15662.4 | 15662.4 |
| 45° | 868.8 | 905.5 | 991.1 | 1186.9 | 1713.1 | 3034.6 | 7965.8 | 14756.9 | 16310.9 | 16115.1 |
| 47.5° | 819.8 | 893.2 | 966.7 | 1150.2 | 1566.2 | 2875.5 | 7733.3 | 14977.1 | 16396.5 | 16335.3 |
| 50° | 807.6 | 881.0 | 1003.4 | 1089.0 | 1480.6 | 2802.1 | 7684.3 | 15527.8 | 16567.8 | 16555.6 |
| 52.5° | 783.1 | 856.5 | 1040.1 | 1040.1 | 1370.5 | 2704.2 | 7916.8 | 15772.5 | 16604.5 | 16702.4 |
| 55° | 746.4 | 856.5 | 966.7 | 954.4 | 1272.6 | 2581.8 | 8173.8 | 16408.8 | 17253.1 | 17228.6 |
| 57.5° | 721.9 | 832.1 | 917.7 | 868.8 | 1162.4 | 2496.2 | 8553.1 | 17020.6 | 18036.2 | 17864.9 |
| 60° | 685.2 | 832.1 | 819.8 | 807.6 | 1076.8 | 2422.8 | 8871.3 | 17142.9 | 18207.5 | 18317.6 |
| 62.5° | 660.8 | 868.8 | 721.9 | 746.4 | 1003.4 | 2386.1 | 8736.7 | 16225.2 | 17975.0 | 18072.9 |
| 65° | 636.3 | 746.4 | 660.8 | 685.2 | 978.9 | 2312.6 | 8210.5 | 15124.0 | 16971.6 | 17399.9 |
| 67.5° | 587.3 | 611.8 | 611.8 | 636.3 | 954.4 | 2141.3 | 7133.7 | 13141.7 | 15442.1 | 15674.6 |
| 70° | 538.4 | 550.6 | 550.6 | 587.3 | 930.0 | 1945.6 | 5885.6 | 11367.4 | 13398.7 | 13839.2 |
| 72.5° | 489.4 | 489.4 | 489.4 | 538.4 | 856.5 | 1786.5 | 4845.5 | 8736.7 | 11135.0 | 11440.9 |
| 75° | 428.3 | 428.3 | 428.3 | 477.2 | 770.9 | 1627.4 | 3817.7 | 6497.4 | 8198.3 | 8638.8 |
| 77.5° | 379.3 | 379.3 | 367.1 | 428.3 | 673.0 | 1321.5 | 2753.1 | 4588.6 | 5775.5 | 6142.6 |
| 80° | 318.1 | 305.9 | 305.9 | 342.6 | 526.2 | 954.4 | 1774.3 | 3242.6 | 4025.7 | 4184.8 |
| 82.5° | 257.0 | 244.7 | 232.5 | 257.0 | 379.3 | 599.6 | 1101.3 | 2263.7 | 2581.8 | 2484.0 |
| 85° | 244.7 | 257.0 | 208.0 | 195.8 | 269.2 | 391.6 | 697.5 | 1394.9 | 1162.4 | 1162.4 |
| 87.5° | 97.9 | 85.7 | 85.7 | 73.4 | 134.6 | 146.8 | 305.9 | 257.0 | 195.8 | 195.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)