

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: P598920

Luminaire Tested: **IFLD-S-SA6E-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598920
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6E-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

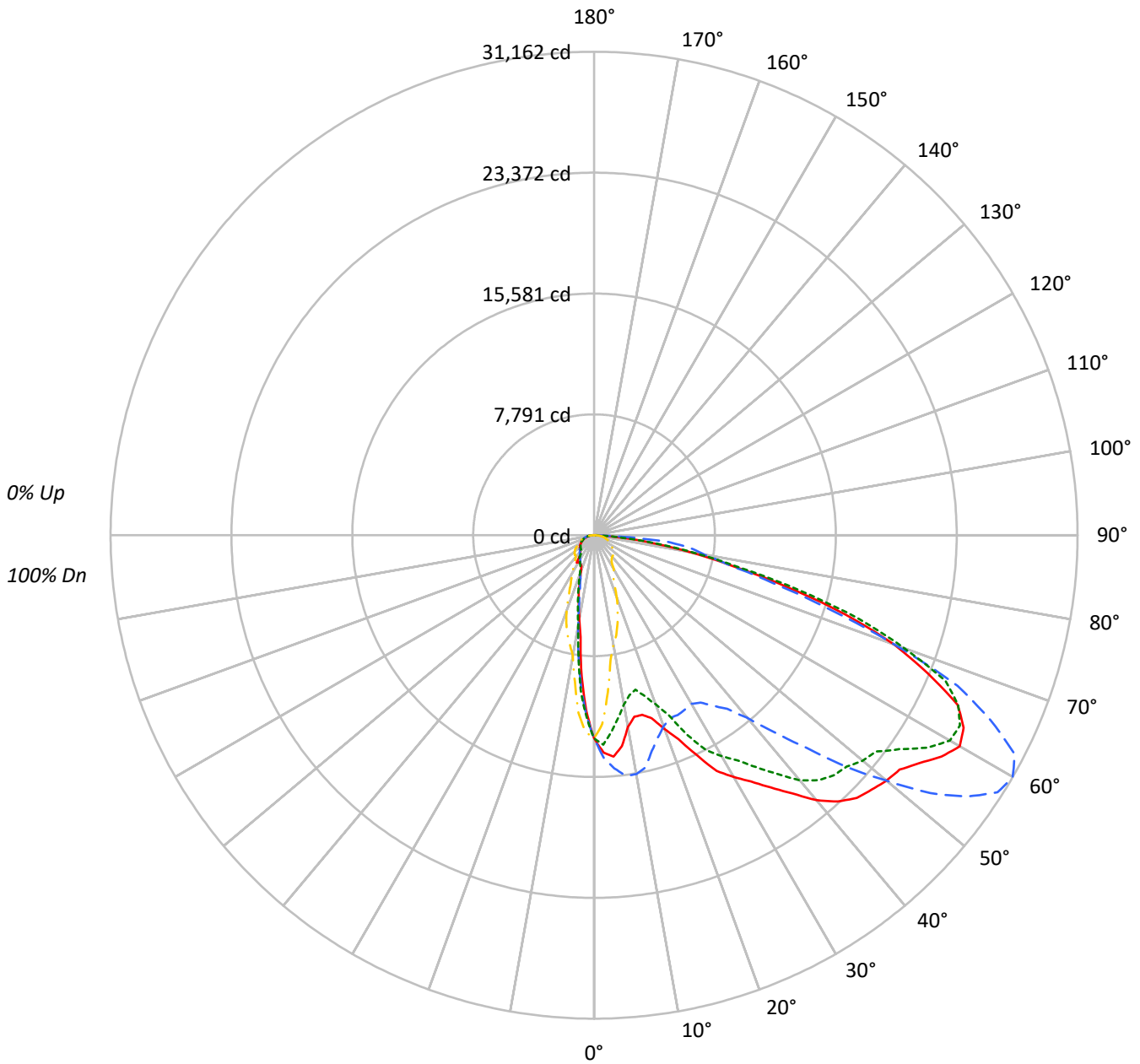
Lumens per Lamp: N/A
 Luminaire Lumens: 40984.2 lumens
 Efficiency: N/A
 Efficacy: 88.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 464.2
 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: P598920
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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 | 106 | 100 | 94 | 89 | 103 | 97 | 92 | 88 | 93 | 89 | 85 | 89 | 85 | 82 | 85 | 82 | 80 | 77 |
| 2 | 94 | 83 | 75 | 68 | 91 | 81 | 74 | 67 | 78 | 71 | 65 | 74 | 69 | 64 | 71 | 66 | 62 | 60 |
| 3 | 84 | 71 | 61 | 53 | 81 | 69 | 60 | 53 | 66 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 47 |
| 4 | 75 | 61 | 51 | 43 | 73 | 60 | 50 | 42 | 57 | 48 | 42 | 54 | 47 | 41 | 52 | 46 | 40 | 38 |
| 5 | 68 | 53 | 43 | 35 | 66 | 52 | 42 | 35 | 50 | 41 | 34 | 48 | 40 | 34 | 46 | 39 | 34 | 31 |
| 6 | 63 | 47 | 37 | 30 | 60 | 46 | 37 | 29 | 44 | 36 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 26 |
| 7 | 58 | 42 | 32 | 25 | 56 | 41 | 32 | 25 | 40 | 31 | 25 | 38 | 31 | 25 | 37 | 30 | 25 | 22 |
| 8 | 53 | 38 | 29 | 22 | 52 | 37 | 28 | 22 | 36 | 28 | 22 | 35 | 27 | 22 | 33 | 27 | 22 | 19 |
| 9 | 50 | 35 | 26 | 20 | 48 | 34 | 26 | 20 | 33 | 25 | 19 | 32 | 25 | 19 | 31 | 24 | 19 | 17 |
| 10 | 46 | 32 | 23 | 18 | 45 | 31 | 23 | 18 | 30 | 23 | 17 | 29 | 22 | 17 | 28 | 22 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 93934 | 93934 | 93934 | 93934 |
| 5° | 103198 | 91673 | 65743 | 71768 |
| 10° | 91409 | 80678 | 39875 | 42790 |
| 15° | 89009 | 76583 | 28229 | 29309 |
| 20° | 101490 | 88578 | 18465 | 20409 |
| 25° | 123654 | 112282 | 16122 | 16699 |
| 30° | 148990 | 136185 | 16722 | 15516 |
| 35° | 173761 | 159904 | 13856 | 13060 |
| 40° | 208798 | 193130 | 12943 | 12262 |
| 45° | 242992 | 221958 | 13099 | 12177 |
| 50° | 274614 | 252287 | 13395 | 12584 |
| 55° | 320260 | 300699 | 13875 | 13193 |
| 60° | 390610 | 379912 | 13829 | 13829 |
| 65° | 438977 | 439595 | 14200 | 14818 |
| 70° | 431421 | 446680 | 14876 | 15257 |
| 75° | 355876 | 379568 | 15626 | 16635 |
| 80° | 256948 | 269722 | 17282 | 18030 |
| 85° | 142209 | 152681 | 19456 | 23951 |

TEST NUMBER: P598920
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1016.9 | 2.5 |
| 10°-20° | 2147.1 | 5.2 |
| 20°-30° | 3141.4 | 7.7 |
| 30°-40° | 4426.1 | 10.8 |
| 40°-50° | 6082.7 | 14.8 |
| 50°-60° | 8290.1 | 20.2 |
| 60°-70° | 9073.1 | 22.1 |
| 70°-80° | 5238.2 | 12.8 |
| 80°-90° | 1568.6 | 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° | 6305.4 | 15.4 |
| 0°-40° | 10731.5 | 26.2 |
| 0°-60° | 25104.3 | 61.3 |
| 0°-90° | 40984.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 40984.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|-------|-------|-------|-------|
| 0° | 13090 | 13090 | 13090 | 13090 | 13090 | |
| 5° | 14326 | 12726 | 9127 | 9963 | 14326 | 1301 |
| 15° | 11981 | 10308 | 3800 | 3945 | 11981 | 3500 |
| 25° | 15617 | 14181 | 2036 | 2109 | 15617 | 7313 |
| 35° | 19835 | 18254 | 1582 | 1491 | 19835 | 12577 |
| 45° | 23944 | 21871 | 1291 | 1200 | 23944 | 18403 |
| 55° | 25598 | 24035 | 1109 | 1054 | 25598 | 23097 |
| 65° | 25853 | 25889 | 836 | 873 | 25853 | 24744 |
| 75° | 12836 | 13690 | 564 | 600 | 12836 | 13788 |
| 85° | 1727 | 1854 | 236 | 291 | 1727 | 2396 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P598920
 CATALOG NUMBER: IFLD-S-SA6E-730-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 |
| 2.5° | 14017.4 | 13962.8 | 14017.4 | 14217.3 | 14271.9 | 14362.8 | 14362.8 | 14235.5 | 13999.2 | 13890.1 | 13708.3 |
| 5° | 14326.4 | 14235.5 | 14690.0 | 15108.2 | 15435.5 | 15399.1 | 15090.0 | 14835.5 | 14362.8 | 13653.7 | 12981.1 |
| 7.5° | 13708.3 | 13799.2 | 14126.4 | 15217.3 | 15980.9 | 16126.3 | 15635.4 | 15126.4 | 14108.3 | 13126.5 | 12217.5 |
| 10° | 12544.7 | 12672.0 | 13381.0 | 14508.2 | 15708.2 | 15944.5 | 15635.4 | 15017.3 | 13799.2 | 12581.1 | 11526.6 |
| 12.5° | 11981.1 | 12272.0 | 12690.2 | 14053.7 | 14908.2 | 15471.8 | 15326.4 | 14926.4 | 13562.8 | 12126.6 | 11108.4 |
| 15° | 11981.1 | 12053.8 | 12672.0 | 13817.4 | 14308.3 | 14326.4 | 14381.0 | 14453.7 | 13635.6 | 12326.5 | 10963.0 |
| 17.5° | 12362.9 | 12562.9 | 13090.1 | 13799.2 | 13890.1 | 13671.9 | 13671.9 | 13981.0 | 13781.0 | 12890.2 | 11490.2 |
| 20° | 13290.1 | 13217.4 | 13908.3 | 14199.2 | 13708.3 | 13162.9 | 13108.3 | 13635.6 | 13944.6 | 13490.1 | 12453.8 |
| 22.5° | 14217.3 | 14544.6 | 15108.2 | 14453.7 | 13544.7 | 12817.4 | 12744.7 | 13399.2 | 14435.5 | 14526.4 | 13562.8 |
| 25° | 15617.3 | 15944.5 | 16235.4 | 15435.5 | 13526.5 | 12726.5 | 12781.1 | 13290.1 | 15035.5 | 15999.1 | 15417.3 |
| 27.5° | 17126.3 | 17326.3 | 17744.4 | 16508.1 | 13962.8 | 12617.4 | 12672.0 | 13435.6 | 15599.1 | 16962.6 | 16871.7 |
| 30° | 17980.8 | 18198.9 | 18108.0 | 16708.1 | 14253.7 | 12690.2 | 12544.7 | 13635.6 | 15290.0 | 16962.6 | 17817.1 |
| 32.5° | 18817.1 | 18689.8 | 18635.3 | 17035.4 | 14617.3 | 13144.7 | 12781.1 | 14053.7 | 15471.8 | 17235.4 | 19035.2 |
| 35° | 19835.2 | 19653.4 | 19507.9 | 17671.7 | 15217.3 | 13581.0 | 13417.4 | 14599.1 | 15871.8 | 17799.0 | 20017.0 |
| 37.5° | 20962.4 | 20962.4 | 20253.4 | 18144.4 | 15926.3 | 14290.1 | 14108.3 | 15380.9 | 16508.1 | 18144.4 | 21362.4 |
| 40° | 22289.6 | 22344.1 | 21089.7 | 18780.7 | 16726.3 | 15417.3 | 15362.7 | 16399.0 | 17126.3 | 18653.5 | 22653.2 |
| 42.5° | 23271.4 | 23307.7 | 21816.9 | 19017.1 | 17653.5 | 16980.8 | 17217.2 | 18035.3 | 17835.3 | 19108.0 | 22744.1 |
| 45° | 23944.1 | 23762.2 | 22326.0 | 19689.8 | 18671.6 | 19326.1 | 19398.9 | 19635.2 | 18762.5 | 19380.7 | 23107.7 |
| 47.5° | 24271.3 | 24234.9 | 22544.1 | 20471.5 | 20817.0 | 21707.8 | 22126.0 | 21798.7 | 19617.0 | 19089.8 | 23107.7 |
| 50° | 24598.6 | 24289.5 | 22744.1 | 21544.2 | 22907.7 | 24707.6 | 24616.7 | 24016.8 | 20798.8 | 19453.4 | 22762.3 |
| 52.5° | 24816.7 | 24544.0 | 23144.1 | 22507.8 | 24907.6 | 26943.9 | 27307.5 | 26198.5 | 22180.5 | 20126.1 | 22925.9 |
| 55° | 25598.5 | 25380.3 | 24344.0 | 23816.8 | 27216.6 | 29307.4 | 29361.9 | 27816.6 | 23635.0 | 21235.1 | 23998.6 |
| 57.5° | 26543.9 | 26671.2 | 25998.5 | 25671.2 | 28980.1 | 31034.5 | 30834.6 | 29016.5 | 24871.3 | 22580.5 | 25234.9 |
| 60° | 27216.6 | 27416.6 | 27252.9 | 27289.3 | 29852.8 | 31616.3 | 31161.8 | 29761.9 | 25780.3 | 23598.6 | 26743.9 |
| 62.5° | 26853.0 | 27252.9 | 27925.6 | 27780.2 | 29889.2 | 31198.2 | 30561.8 | 28780.1 | 25889.4 | 24925.8 | 27889.3 |
| 65° | 25853.0 | 25889.4 | 27198.4 | 27998.4 | 28252.9 | 29034.7 | 28198.3 | 26725.7 | 24762.2 | 25743.9 | 27725.6 |
| 67.5° | 23289.5 | 23580.4 | 24762.2 | 26325.7 | 25253.1 | 25434.9 | 25362.1 | 23235.0 | 23053.2 | 25180.3 | 26471.2 |
| 70° | 20562.4 | 20762.4 | 22053.3 | 23889.5 | 21326.0 | 20471.5 | 20635.2 | 19053.4 | 19798.8 | 23435.0 | 23944.1 |
| 72.5° | 16999.0 | 17126.3 | 18598.9 | 20217.0 | 17108.1 | 15580.9 | 15962.7 | 14671.9 | 15726.4 | 20507.9 | 20198.8 |
| 75° | 12835.6 | 13072.0 | 14217.3 | 16126.3 | 12599.3 | 11617.5 | 11999.3 | 11472.1 | 12453.8 | 16889.9 | 15671.8 |
| 77.5° | 9126.7 | 8944.9 | 10363.0 | 12617.4 | 9472.2 | 8890.4 | 8926.7 | 9017.7 | 10072.1 | 14235.5 | 11253.9 |
| 80° | 6217.8 | 6272.4 | 7545.0 | 9254.0 | 7435.9 | 7345.0 | 7254.1 | 7981.4 | 8454.0 | 11272.1 | 8181.3 |
| 82.5° | 3690.7 | 3690.7 | 5090.6 | 6581.4 | 5872.4 | 6617.8 | 6199.6 | 6854.1 | 6617.8 | 8290.4 | 5363.3 |
| 85° | 1727.2 | 1727.2 | 2618.0 | 4745.2 | 4545.2 | 5454.2 | 4636.1 | 5181.5 | 4890.6 | 5781.5 | 2418.0 |
| 87.5° | 290.9 | 254.5 | 527.2 | 2327.1 | 1872.6 | 2127.1 | 836.3 | 2763.5 | 3072.5 | 4036.1 | 600.0 |
| 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° | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 |
| 2.5° | 13508.3 | 13381.0 | 13126.5 | 12799.2 | 12526.5 | 12181.1 | 12072.0 | 11835.7 | 11508.4 | 11472.1 | 11326.6 |
| 5° | 12726.5 | 12290.2 | 11744.8 | 11072.1 | 10617.6 | 10144.9 | 9744.9 | 9508.5 | 9235.8 | 9199.5 | 9126.7 |
| 7.5° | 11872.0 | 11326.6 | 10417.6 | 9617.6 | 8835.8 | 8090.4 | 7726.8 | 7272.3 | 6963.2 | 6726.9 | 6617.8 |
| 10° | 11072.1 | 10563.0 | 9435.8 | 8345.0 | 7654.1 | 7163.2 | 6726.9 | 6254.2 | 5872.4 | 5581.5 | 5472.4 |
| 12.5° | 10544.8 | 9944.9 | 8726.8 | 7690.5 | 7181.4 | 6617.8 | 6126.9 | 5617.9 | 5127.0 | 4745.2 | 4545.2 |
| 15° | 10308.5 | 9744.9 | 8508.6 | 7363.2 | 6617.8 | 5836.0 | 5272.4 | 4763.4 | 4163.4 | 3890.7 | 3799.8 |
| 17.5° | 10872.1 | 10035.8 | 8435.9 | 6981.4 | 5926.9 | 5036.1 | 4345.2 | 3799.8 | 3363.4 | 3090.7 | 2981.6 |
| 20° | 11599.3 | 10563.0 | 8563.1 | 6526.9 | 5272.4 | 4272.5 | 3508.9 | 2927.1 | 2636.2 | 2436.2 | 2418.0 |
| 22.5° | 12526.5 | 11344.8 | 8763.1 | 6199.6 | 4545.2 | 3436.2 | 2745.3 | 2399.9 | 2199.9 | 2181.7 | 2145.3 |
| 25° | 14181.0 | 12762.9 | 9090.4 | 5763.3 | 3963.4 | 2836.2 | 2345.3 | 2145.3 | 2054.4 | 1999.9 | 2036.2 |
| 27.5° | 15599.1 | 13690.1 | 9326.7 | 5490.6 | 3727.1 | 2672.6 | 2272.6 | 2054.4 | 1963.5 | 1945.3 | 1963.5 |
| 30° | 16435.4 | 14544.6 | 9254.0 | 4981.5 | 3254.4 | 2545.3 | 2418.0 | 2345.3 | 2163.5 | 2018.1 | 2018.1 |
| 32.5° | 17199.0 | 15090.0 | 9235.8 | 4527.0 | 2781.7 | 2127.1 | 2018.1 | 1963.5 | 2072.6 | 2145.3 | 2090.8 |
| 35° | 18253.5 | 15944.5 | 9181.3 | 4272.5 | 2581.7 | 1963.5 | 1781.7 | 1636.3 | 1563.5 | 1527.2 | 1581.7 |
| 37.5° | 19380.7 | 16526.3 | 9035.8 | 4236.1 | 2472.6 | 1872.6 | 1727.2 | 1581.7 | 1509.0 | 1472.6 | 1454.5 |
| 40° | 20617.0 | 17144.4 | 8872.2 | 4054.3 | 2418.0 | 1818.1 | 1672.6 | 1545.4 | 1454.5 | 1399.9 | 1381.7 |
| 42.5° | 21416.9 | 17635.3 | 8708.6 | 3963.4 | 2309.0 | 1781.7 | 1618.1 | 1509.0 | 1418.1 | 1345.4 | 1345.4 |
| 45° | 21871.4 | 18217.1 | 8545.0 | 3872.5 | 2181.7 | 1799.9 | 1618.1 | 1472.6 | 1363.6 | 1327.2 | 1290.8 |
| 47.5° | 22071.4 | 18653.5 | 8490.4 | 3727.1 | 2072.6 | 1727.2 | 1581.7 | 1436.3 | 1327.2 | 1254.5 | 1236.3 |
| 50° | 22598.7 | 19580.7 | 8690.4 | 3618.0 | 1945.3 | 1654.4 | 1672.6 | 1418.1 | 1309.0 | 1218.1 | 1199.9 |
| 52.5° | 22907.7 | 20326.1 | 9126.7 | 3454.3 | 1854.4 | 1563.5 | 1636.3 | 1381.7 | 1254.5 | 1163.6 | 1163.6 |
| 55° | 24035.0 | 21562.4 | 9599.4 | 3327.1 | 1745.4 | 1436.3 | 1509.0 | 1309.0 | 1163.6 | 1109.0 | 1109.0 |
| 57.5° | 25471.2 | 22871.4 | 9999.4 | 3272.5 | 1672.6 | 1345.4 | 1345.4 | 1272.7 | 1109.0 | 1036.3 | 1018.1 |
| 60° | 26471.2 | 23944.1 | 10235.8 | 3236.2 | 1599.9 | 1254.5 | 1199.9 | 1272.7 | 1054.5 | 981.8 | 963.6 |
| 62.5° | 26580.3 | 23325.9 | 9999.4 | 3218.0 | 1581.7 | 1163.6 | 1090.8 | 1218.1 | 999.9 | 927.2 | 890.9 |
| 65° | 25889.4 | 22071.4 | 9344.9 | 3145.3 | 1563.5 | 1072.7 | 1018.1 | 1054.5 | 927.2 | 872.7 | 836.3 |
| 67.5° | 24507.7 | 20035.2 | 8399.5 | 3108.9 | 1545.4 | 999.9 | 927.2 | 909.0 | 854.5 | 800.0 | 763.6 |
| 70° | 21289.7 | 17380.8 | 7290.5 | 2945.3 | 1509.0 | 945.4 | 836.3 | 818.1 | 763.6 | 727.2 | 709.0 |
| 72.5° | 17871.7 | 14217.3 | 6017.8 | 2727.1 | 1436.3 | 854.5 | 763.6 | 727.2 | 709.0 | 654.5 | 636.3 |
| 75° | 13690.1 | 10944.8 | 4817.9 | 2418.0 | 1254.5 | 763.6 | 672.7 | 636.3 | 618.1 | 581.8 | 563.6 |
| 77.5° | 9617.6 | 8145.0 | 3563.4 | 1963.5 | 1054.5 | 690.9 | 600.0 | 563.6 | 545.4 | 490.9 | 490.9 |
| 80° | 6526.9 | 5708.8 | 2418.0 | 1363.6 | 818.1 | 563.6 | 527.2 | 490.9 | 454.5 | 418.2 | 418.2 |
| 82.5° | 4054.3 | 3999.8 | 1745.4 | 890.9 | 600.0 | 454.5 | 418.2 | 418.2 | 363.6 | 327.3 | 327.3 |
| 85° | 1854.4 | 2454.4 | 1218.1 | 618.1 | 454.5 | 345.4 | 345.4 | 327.3 | 290.9 | 236.3 | 236.3 |
| 87.5° | 581.8 | 818.1 | 636.3 | 272.7 | 254.5 | 200.0 | 200.0 | 181.8 | 181.8 | 145.4 | 145.4 |
| 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: P598920
 CATALOG NUMBER: IFLD-S-SA6E-730-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 |
| 2.5° | 11472.1 | 11453.9 | 11453.9 | 11381.2 | 11563.0 | 11563.0 | 11672.0 | 11581.1 | 11635.7 | 11653.9 | 11799.3 |
| 5° | 9108.6 | 9254.0 | 9363.1 | 9581.3 | 9708.5 | 9763.1 | 9763.1 | 9908.5 | 9854.0 | 9963.1 | 10181.2 |
| 7.5° | 6672.3 | 6854.1 | 7181.4 | 7454.1 | 7672.3 | 7745.0 | 7726.8 | 7763.2 | 7817.7 | 7690.5 | 7726.8 |
| 10° | 5399.7 | 5272.4 | 5381.5 | 5636.0 | 5836.0 | 6072.4 | 5890.6 | 5872.4 | 5926.9 | 5872.4 | 5981.5 |
| 12.5° | 4508.8 | 4363.4 | 4272.5 | 4272.5 | 4417.9 | 4527.0 | 4472.5 | 4563.4 | 4763.4 | 4817.9 | 4945.2 |
| 15° | 3654.3 | 3527.1 | 3454.3 | 3363.4 | 3508.9 | 3545.2 | 3599.8 | 3727.1 | 3872.5 | 3945.2 | 4090.7 |
| 17.5° | 2927.1 | 2927.1 | 2927.1 | 2854.4 | 2908.9 | 2963.5 | 2981.6 | 3145.3 | 3163.5 | 3236.2 | 3290.7 |
| 20° | 2399.9 | 2454.4 | 2545.3 | 2581.7 | 2636.2 | 2636.2 | 2599.8 | 2690.8 | 2618.0 | 2672.6 | 2708.9 |
| 22.5° | 2163.5 | 2236.2 | 2272.6 | 2290.8 | 2363.5 | 2381.7 | 2290.8 | 2309.0 | 2327.1 | 2272.6 | 2290.8 |
| 25° | 2036.2 | 2072.6 | 2036.2 | 2054.4 | 2072.6 | 2036.2 | 2054.4 | 2090.8 | 2072.6 | 2109.0 | 2090.8 |
| 27.5° | 1981.7 | 1945.3 | 1927.2 | 1909.0 | 1909.0 | 1872.6 | 1890.8 | 1890.8 | 1927.2 | 1945.3 | 1945.3 |
| 30° | 1981.7 | 1927.2 | 1854.4 | 1799.9 | 1799.9 | 1745.4 | 1781.7 | 1818.1 | 1836.3 | 1872.6 | 1872.6 |
| 32.5° | 2036.2 | 1927.2 | 1799.9 | 1745.4 | 1690.8 | 1654.4 | 1690.8 | 1745.4 | 1818.1 | 1836.3 | 1854.4 |
| 35° | 1618.1 | 1672.6 | 1654.4 | 1581.7 | 1563.5 | 1563.5 | 1545.4 | 1545.4 | 1490.8 | 1490.8 | 1472.6 |
| 37.5° | 1454.5 | 1436.3 | 1472.6 | 1490.8 | 1509.0 | 1454.5 | 1454.5 | 1381.7 | 1363.6 | 1381.7 | 1381.7 |
| 40° | 1363.6 | 1363.6 | 1363.6 | 1418.1 | 1436.3 | 1399.9 | 1345.4 | 1309.0 | 1309.0 | 1309.0 | 1327.2 |
| 42.5° | 1327.2 | 1290.8 | 1272.7 | 1309.0 | 1363.6 | 1327.2 | 1272.7 | 1254.5 | 1254.5 | 1272.7 | 1272.7 |
| 45° | 1272.7 | 1254.5 | 1236.3 | 1218.1 | 1290.8 | 1236.3 | 1218.1 | 1199.9 | 1199.9 | 1199.9 | 1218.1 |
| 47.5° | 1218.1 | 1199.9 | 1163.6 | 1163.6 | 1181.7 | 1163.6 | 1145.4 | 1145.4 | 1145.4 | 1181.7 | 1181.7 |
| 50° | 1181.7 | 1163.6 | 1127.2 | 1127.2 | 1127.2 | 1127.2 | 1109.0 | 1109.0 | 1109.0 | 1127.2 | 1145.4 |
| 52.5° | 1127.2 | 1109.0 | 1090.8 | 1072.7 | 1072.7 | 1072.7 | 1072.7 | 1072.7 | 1072.7 | 1090.8 | 1109.0 |
| 55° | 1072.7 | 1054.5 | 1036.3 | 1036.3 | 1054.5 | 1054.5 | 1036.3 | 1054.5 | 1036.3 | 1054.5 | 1072.7 |
| 57.5° | 1018.1 | 999.9 | 981.8 | 999.9 | 1018.1 | 999.9 | 999.9 | 999.9 | 999.9 | 999.9 | 1018.1 |
| 60° | 945.4 | 945.4 | 945.4 | 945.4 | 981.8 | 981.8 | 981.8 | 981.8 | 945.4 | 963.6 | 981.8 |
| 62.5° | 909.0 | 890.9 | 890.9 | 909.0 | 927.2 | 927.2 | 945.4 | 927.2 | 909.0 | 927.2 | 927.2 |
| 65° | 836.3 | 836.3 | 836.3 | 854.5 | 854.5 | 872.7 | 872.7 | 872.7 | 854.5 | 872.7 | 872.7 |
| 67.5° | 781.8 | 781.8 | 781.8 | 781.8 | 818.1 | 818.1 | 818.1 | 818.1 | 800.0 | 800.0 | 818.1 |
| 70° | 690.9 | 709.0 | 690.9 | 727.2 | 763.6 | 745.4 | 763.6 | 763.6 | 745.4 | 727.2 | 763.6 |
| 72.5° | 636.3 | 636.3 | 636.3 | 636.3 | 690.9 | 690.9 | 690.9 | 709.0 | 690.9 | 672.7 | 690.9 |
| 75° | 563.6 | 563.6 | 563.6 | 581.8 | 618.1 | 618.1 | 618.1 | 618.1 | 618.1 | 600.0 | 600.0 |
| 77.5° | 490.9 | 509.1 | 490.9 | 509.1 | 545.4 | 527.2 | 545.4 | 563.6 | 545.4 | 527.2 | 527.2 |
| 80° | 418.2 | 418.2 | 418.2 | 436.3 | 454.5 | 454.5 | 454.5 | 472.7 | 454.5 | 436.3 | 436.3 |
| 82.5° | 327.3 | 327.3 | 345.4 | 345.4 | 363.6 | 363.6 | 363.6 | 381.8 | 363.6 | 345.4 | 345.4 |
| 85° | 254.5 | 254.5 | 254.5 | 272.7 | 272.7 | 290.9 | 290.9 | 309.1 | 309.1 | 290.9 | 290.9 |
| 87.5° | 163.6 | 145.4 | 163.6 | 163.6 | 181.8 | 181.8 | 163.6 | 145.4 | 163.6 | 145.4 | 127.3 |
| 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: P598920
 CATALOG NUMBER: IFLD-S-SA6E-730-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 | 13090.1 |
| 2.5° | 11944.8 | 12272.0 | 12508.4 | 12672.0 | 12908.3 | 13362.9 | 13544.7 | 13871.9 | 13962.8 | 14017.4 |
| 5° | 10272.1 | 10617.6 | 11126.6 | 11490.2 | 11908.4 | 12762.9 | 13417.4 | 13908.3 | 14126.4 | 14326.4 |
| 7.5° | 8054.1 | 8508.6 | 9035.8 | 9508.5 | 10199.4 | 11253.9 | 12108.4 | 13126.5 | 13508.3 | 13708.3 |
| 10° | 6290.5 | 6708.7 | 7290.5 | 7872.3 | 8835.8 | 9726.7 | 10944.8 | 11872.0 | 12399.3 | 12544.7 |
| 12.5° | 5308.8 | 5799.7 | 6490.5 | 7199.6 | 7799.5 | 8817.7 | 10054.0 | 11399.3 | 11890.2 | 11981.1 |
| 15° | 4508.8 | 5181.5 | 5890.6 | 6617.8 | 7308.7 | 8199.5 | 9526.7 | 11163.0 | 11890.2 | 11981.1 |
| 17.5° | 3727.1 | 4327.0 | 5163.3 | 5945.1 | 6745.1 | 7963.2 | 9617.6 | 11363.0 | 12090.2 | 12362.9 |
| 20° | 2963.5 | 3545.2 | 4199.8 | 5181.5 | 6272.4 | 7563.2 | 9817.6 | 12035.7 | 12999.2 | 13290.1 |
| 22.5° | 2454.4 | 2708.9 | 3345.3 | 4290.7 | 5581.5 | 7290.5 | 10017.6 | 13090.1 | 14108.3 | 14217.3 |
| 25° | 2145.3 | 2327.1 | 2727.1 | 3618.0 | 5036.1 | 7108.7 | 10490.3 | 14308.3 | 15617.3 | 15617.3 |
| 27.5° | 1999.9 | 2072.6 | 2345.3 | 3145.3 | 4654.3 | 6945.0 | 10963.0 | 15653.6 | 16871.7 | 17126.3 |
| 30° | 1963.5 | 2145.3 | 2290.8 | 2799.8 | 4236.1 | 6490.5 | 11399.3 | 16708.1 | 17962.6 | 17980.8 |
| 32.5° | 1927.2 | 1890.8 | 1999.9 | 2436.2 | 3727.1 | 6017.8 | 11762.9 | 17780.8 | 18762.5 | 18817.1 |
| 35° | 1509.0 | 1581.7 | 1763.5 | 2145.3 | 3345.3 | 5672.4 | 11944.8 | 18362.6 | 19780.7 | 19835.2 |
| 37.5° | 1418.1 | 1509.0 | 1654.4 | 1981.7 | 3090.7 | 5381.5 | 11999.3 | 19489.8 | 20853.3 | 20962.4 |
| 40° | 1381.7 | 1454.5 | 1563.5 | 1836.3 | 2890.7 | 5017.9 | 12108.4 | 20653.3 | 22435.0 | 22289.6 |
| 42.5° | 1309.0 | 1399.9 | 1509.0 | 1763.5 | 2727.1 | 4745.2 | 12126.6 | 21289.7 | 23271.4 | 23271.4 |
| 45° | 1290.8 | 1345.4 | 1472.6 | 1763.5 | 2545.3 | 4508.8 | 11835.7 | 21926.0 | 24234.9 | 23944.1 |
| 47.5° | 1218.1 | 1327.2 | 1436.3 | 1709.0 | 2327.1 | 4272.5 | 11490.2 | 22253.2 | 24362.2 | 24271.3 |
| 50° | 1199.9 | 1309.0 | 1490.8 | 1618.1 | 2199.9 | 4163.4 | 11417.5 | 23071.4 | 24616.7 | 24598.6 |
| 52.5° | 1163.6 | 1272.7 | 1545.4 | 1545.4 | 2036.2 | 4017.9 | 11762.9 | 23435.0 | 24671.3 | 24816.7 |
| 55° | 1109.0 | 1272.7 | 1436.3 | 1418.1 | 1890.8 | 3836.1 | 12144.7 | 24380.4 | 25634.9 | 25598.5 |
| 57.5° | 1072.7 | 1236.3 | 1363.6 | 1290.8 | 1727.2 | 3708.9 | 12708.3 | 25289.4 | 26798.4 | 26543.9 |
| 60° | 1018.1 | 1236.3 | 1218.1 | 1199.9 | 1599.9 | 3599.8 | 13181.0 | 25471.2 | 27053.0 | 27216.6 |
| 62.5° | 981.8 | 1290.8 | 1072.7 | 1109.0 | 1490.8 | 3545.2 | 12981.1 | 24107.7 | 26707.5 | 26853.0 |
| 65° | 945.4 | 1109.0 | 981.8 | 1018.1 | 1454.5 | 3436.2 | 12199.3 | 22471.4 | 25216.7 | 25853.0 |
| 67.5° | 872.7 | 909.0 | 909.0 | 945.4 | 1418.1 | 3181.6 | 10599.4 | 19526.1 | 22944.1 | 23289.5 |
| 70° | 800.0 | 818.1 | 818.1 | 872.7 | 1381.7 | 2890.7 | 8744.9 | 16889.9 | 19907.9 | 20562.4 |
| 72.5° | 727.2 | 727.2 | 727.2 | 800.0 | 1272.7 | 2654.4 | 7199.6 | 12981.1 | 16544.5 | 16999.0 |
| 75° | 636.3 | 636.3 | 636.3 | 709.0 | 1145.4 | 2418.0 | 5672.4 | 9654.0 | 12181.1 | 12835.6 |
| 77.5° | 563.6 | 563.6 | 545.4 | 636.3 | 999.9 | 1963.5 | 4090.7 | 6817.8 | 8581.3 | 9126.7 |
| 80° | 472.7 | 454.5 | 454.5 | 509.1 | 781.8 | 1418.1 | 2636.2 | 4817.9 | 5981.5 | 6217.8 |
| 82.5° | 381.8 | 363.6 | 345.4 | 381.8 | 563.6 | 890.9 | 1636.3 | 3363.4 | 3836.1 | 3690.7 |
| 85° | 363.6 | 381.8 | 309.1 | 290.9 | 400.0 | 581.8 | 1036.3 | 2072.6 | 1727.2 | 1727.2 |
| 87.5° | 145.4 | 127.3 | 127.3 | 109.1 | 200.0 | 218.2 | 454.5 | 381.8 | 290.9 | 290.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)