

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: P599101

Luminaire Tested: **IFLD-L-SA7B-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599101
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

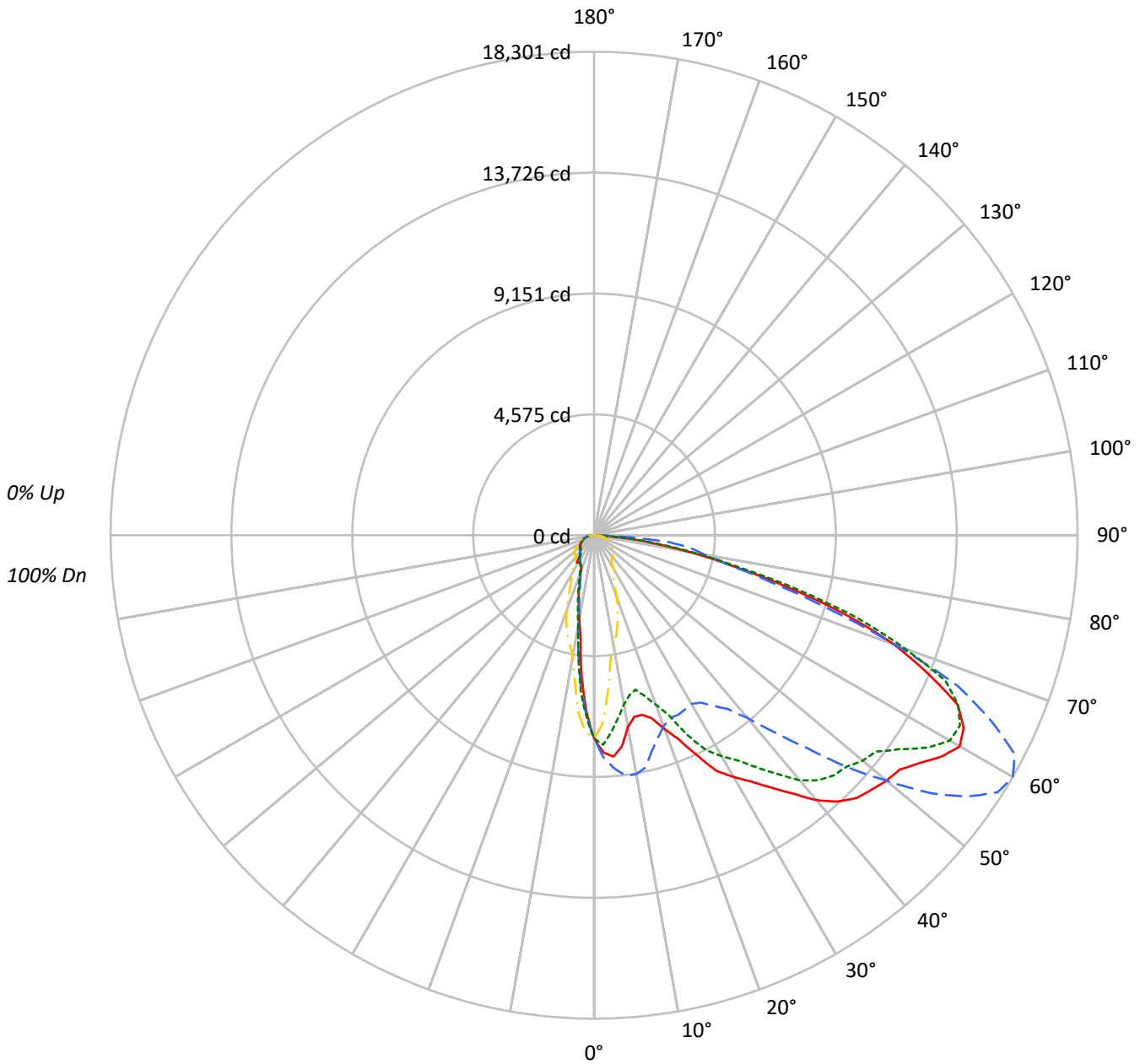
Lumens per Lamp: N/A
 Luminaire Lumens: 24069.8 lumens
 Efficiency: N/A
 Efficacy: 85.7 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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: P599101
 CATALOG NUMBER: IFLD-L-SA7B-830-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 | 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° | 41375 | 41375 | 41375 | 41375 |
| 5° | 45456 | 40379 | 28958 | 31611 |
| 10° | 40263 | 35537 | 17564 | 18848 |
| 15° | 39206 | 33732 | 12434 | 12910 |
| 20° | 44703 | 39016 | 8133 | 8990 |
| 25° | 54466 | 49457 | 7102 | 7355 |
| 30° | 65626 | 59985 | 7365 | 6835 |
| 35° | 76536 | 70433 | 6103 | 5753 |
| 40° | 91970 | 85068 | 5701 | 5401 |
| 45° | 107031 | 97766 | 5770 | 5364 |
| 50° | 120959 | 111125 | 5900 | 5543 |
| 55° | 141065 | 132449 | 6111 | 5811 |
| 60° | 172053 | 167340 | 6091 | 6091 |
| 65° | 193356 | 193629 | 6255 | 6527 |
| 70° | 190029 | 196749 | 6552 | 6721 |
| 75° | 156754 | 167188 | 6883 | 7328 |
| 80° | 113179 | 118804 | 7612 | 7944 |
| 85° | 62640 | 67253 | 8571 | 10547 |

TEST NUMBER: P599101
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 597.2 | 2.5 |
| 10°-20° | 1261.0 | 5.2 |
| 20°-30° | 1844.9 | 7.7 |
| 30°-40° | 2599.4 | 10.8 |
| 40°-50° | 3572.4 | 14.8 |
| 50°-60° | 4868.7 | 20.2 |
| 60°-70° | 5328.6 | 22.1 |
| 70°-80° | 3076.4 | 12.8 |
| 80°-90° | 921.3 | 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° | 3703.1 | 15.4 |
| 0°-40° | 6302.5 | 26.2 |
| 0°-60° | 14743.6 | 61.3 |
| 0°-90° | 24069.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 24069.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|------|------|-------|-------|
| 0° | 7688 | 7688 | 7688 | 7688 | 7688 | |
| 5° | 8414 | 7474 | 5360 | 5851 | 8414 | 764 |
| 15° | 7036 | 6054 | 2232 | 2317 | 7036 | 2056 |
| 25° | 9172 | 8328 | 1196 | 1239 | 9172 | 4295 |
| 35° | 11649 | 10720 | 929 | 876 | 11649 | 7387 |
| 45° | 14062 | 12845 | 758 | 705 | 14062 | 10808 |
| 55° | 15034 | 14116 | 651 | 619 | 15034 | 13565 |
| 65° | 15183 | 15205 | 491 | 512 | 15183 | 14532 |
| 75° | 7538 | 8040 | 331 | 352 | 7538 | 8098 |
| 85° | 1014 | 1089 | 139 | 171 | 1014 | 1407 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599101
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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 |
| 2.5° | 8232.3 | 8200.3 | 8232.3 | 8349.8 | 8381.8 | 8435.2 | 8435.2 | 8360.5 | 8221.6 | 8157.6 | 8050.8 |
| 5° | 8413.8 | 8360.5 | 8627.4 | 8873.0 | 9065.2 | 9043.8 | 8862.3 | 8712.8 | 8435.2 | 8018.8 | 7623.7 |
| 7.5° | 8050.8 | 8104.2 | 8296.4 | 8937.0 | 9385.5 | 9470.9 | 9182.6 | 8883.6 | 8285.7 | 7709.1 | 7175.3 |
| 10° | 7367.4 | 7442.2 | 7858.6 | 8520.6 | 9225.3 | 9364.1 | 9182.6 | 8819.6 | 8104.2 | 7388.8 | 6769.5 |
| 12.5° | 7036.4 | 7207.3 | 7452.9 | 8253.7 | 8755.5 | 9086.5 | 9001.1 | 8766.2 | 7965.4 | 7121.9 | 6523.9 |
| 15° | 7036.4 | 7079.2 | 7442.2 | 8114.9 | 8403.2 | 8413.8 | 8445.9 | 8488.6 | 8008.1 | 7239.3 | 6438.5 |
| 17.5° | 7260.7 | 7378.1 | 7687.8 | 8104.2 | 8157.6 | 8029.4 | 8029.4 | 8211.0 | 8093.5 | 7570.3 | 6748.2 |
| 20° | 7805.2 | 7762.5 | 8168.3 | 8339.1 | 8050.8 | 7730.5 | 7698.4 | 8008.1 | 8189.6 | 7922.7 | 7314.1 |
| 22.5° | 8349.8 | 8542.0 | 8873.0 | 8488.6 | 7954.7 | 7527.6 | 7484.9 | 7869.3 | 8477.9 | 8531.3 | 7965.4 |
| 25° | 9171.9 | 9364.1 | 9535.0 | 9065.2 | 7944.0 | 7474.2 | 7506.3 | 7805.2 | 8830.3 | 9396.2 | 9054.5 |
| 27.5° | 10058.2 | 10175.6 | 10421.2 | 9695.1 | 8200.3 | 7410.2 | 7442.2 | 7890.6 | 9161.3 | 9962.1 | 9908.7 |
| 30° | 10560.0 | 10688.1 | 10634.7 | 9812.6 | 8371.1 | 7452.9 | 7367.4 | 8008.1 | 8979.7 | 9962.1 | 10463.9 |
| 32.5° | 11051.2 | 10976.4 | 10944.4 | 10004.8 | 8584.7 | 7719.8 | 7506.3 | 8253.7 | 9086.5 | 10122.2 | 11179.3 |
| 35° | 11649.1 | 11542.3 | 11456.9 | 10378.5 | 8937.0 | 7976.1 | 7880.0 | 8574.0 | 9321.4 | 10453.2 | 11755.9 |
| 37.5° | 12311.1 | 12311.1 | 11894.7 | 10656.1 | 9353.5 | 8392.5 | 8285.7 | 9033.1 | 9695.1 | 10656.1 | 12546.0 |
| 40° | 13090.6 | 13122.6 | 12385.9 | 11029.8 | 9823.3 | 9054.5 | 9022.5 | 9631.1 | 10058.2 | 10955.1 | 13304.1 |
| 42.5° | 13667.1 | 13688.5 | 12813.0 | 11168.6 | 10367.8 | 9972.7 | 10111.6 | 10592.0 | 10474.6 | 11222.0 | 13357.5 |
| 45° | 14062.2 | 13955.4 | 13111.9 | 11563.7 | 10965.8 | 11350.1 | 11392.8 | 11531.7 | 11019.1 | 11382.2 | 13571.1 |
| 47.5° | 14254.4 | 14233.1 | 13240.0 | 12022.8 | 12225.7 | 12748.9 | 12994.5 | 12802.3 | 11521.0 | 11211.3 | 13571.1 |
| 50° | 14446.6 | 14265.1 | 13357.5 | 12652.8 | 13453.6 | 14510.7 | 14457.3 | 14104.9 | 12215.0 | 11424.9 | 13368.2 |
| 52.5° | 14574.7 | 14414.6 | 13592.4 | 13218.7 | 14628.1 | 15824.0 | 16037.5 | 15386.2 | 13026.5 | 11819.9 | 13464.3 |
| 55° | 15033.9 | 14905.7 | 14297.1 | 13987.5 | 15984.2 | 17212.1 | 17244.1 | 16336.5 | 13880.7 | 12471.3 | 14094.2 |
| 57.5° | 15589.1 | 15663.8 | 15268.8 | 15076.6 | 17019.9 | 18226.4 | 18109.0 | 17041.2 | 14606.8 | 13261.4 | 14820.3 |
| 60° | 15984.2 | 16101.6 | 16005.5 | 16026.9 | 17532.4 | 18568.1 | 18301.2 | 17479.0 | 15140.6 | 13859.3 | 15706.5 |
| 62.5° | 15770.6 | 16005.5 | 16400.6 | 16315.2 | 17553.7 | 18322.5 | 17948.8 | 16902.4 | 15204.7 | 14638.8 | 16379.2 |
| 65° | 15183.3 | 15204.7 | 15973.5 | 16443.3 | 16592.8 | 17051.9 | 16560.7 | 15695.9 | 14542.7 | 15119.3 | 16283.1 |
| 67.5° | 13677.8 | 13848.7 | 14542.7 | 15461.0 | 14831.0 | 14937.8 | 14895.1 | 13645.8 | 13539.0 | 14788.3 | 15546.4 |
| 70° | 12076.2 | 12193.7 | 12951.8 | 14030.2 | 12524.7 | 12022.8 | 12118.9 | 11190.0 | 11627.8 | 13763.2 | 14062.2 |
| 72.5° | 9983.4 | 10058.2 | 10923.0 | 11873.3 | 10047.5 | 9150.6 | 9374.8 | 8616.7 | 9236.0 | 12044.2 | 11862.7 |
| 75° | 7538.3 | 7677.1 | 8349.8 | 9470.9 | 7399.5 | 6822.9 | 7047.1 | 6737.5 | 7314.1 | 9919.4 | 9204.0 |
| 77.5° | 5360.1 | 5253.3 | 6086.2 | 7410.2 | 5563.0 | 5221.3 | 5242.6 | 5296.0 | 5915.3 | 8360.5 | 6609.3 |
| 80° | 3651.7 | 3683.7 | 4431.1 | 5434.8 | 4367.1 | 4313.7 | 4260.3 | 4687.4 | 4965.0 | 6620.0 | 4804.9 |
| 82.5° | 2167.5 | 2167.5 | 2989.7 | 3865.2 | 3448.8 | 3886.6 | 3641.0 | 4025.4 | 3886.6 | 4868.9 | 3149.9 |
| 85° | 1014.4 | 1014.4 | 1537.6 | 2786.8 | 2669.4 | 3203.2 | 2722.8 | 3043.1 | 2872.2 | 3395.4 | 1420.1 |
| 87.5° | 170.8 | 149.5 | 309.6 | 1366.7 | 1099.8 | 1249.3 | 491.2 | 1623.0 | 1804.5 | 2370.4 | 352.4 |
| 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° | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 |
| 2.5° | 7933.4 | 7858.6 | 7709.1 | 7516.9 | 7356.8 | 7153.9 | 7089.8 | 6951.0 | 6758.8 | 6737.5 | 6652.1 |
| 5° | 7474.2 | 7218.0 | 6897.6 | 6502.6 | 6235.6 | 5958.0 | 5723.1 | 5584.3 | 5424.1 | 5402.8 | 5360.1 |
| 7.5° | 6972.4 | 6652.1 | 6118.2 | 5648.4 | 5189.2 | 4751.5 | 4537.9 | 4271.0 | 4089.5 | 3950.7 | 3886.6 |
| 10° | 6502.6 | 6203.6 | 5541.6 | 4901.0 | 4495.2 | 4206.9 | 3950.7 | 3673.0 | 3448.8 | 3278.0 | 3213.9 |
| 12.5° | 6192.9 | 5840.6 | 5125.2 | 4516.6 | 4217.6 | 3886.6 | 3598.3 | 3299.3 | 3011.0 | 2786.8 | 2669.4 |
| 15° | 6054.1 | 5723.1 | 4997.1 | 4324.4 | 3886.6 | 3427.5 | 3096.5 | 2797.5 | 2445.1 | 2285.0 | 2231.6 |
| 17.5° | 6385.1 | 5894.0 | 4954.3 | 4100.1 | 3480.9 | 2957.7 | 2551.9 | 2231.6 | 1975.3 | 1815.2 | 1751.1 |
| 20° | 6812.2 | 6203.6 | 5029.1 | 3833.2 | 3096.5 | 2509.2 | 2060.7 | 1719.1 | 1548.2 | 1430.8 | 1420.1 |
| 22.5° | 7356.8 | 6662.7 | 5146.5 | 3641.0 | 2669.4 | 2018.0 | 1612.3 | 1409.4 | 1292.0 | 1281.3 | 1259.9 |
| 25° | 8328.4 | 7495.6 | 5338.7 | 3384.8 | 2327.7 | 1665.7 | 1377.4 | 1259.9 | 1206.6 | 1174.5 | 1195.9 |
| 27.5° | 9161.3 | 8040.1 | 5477.5 | 3224.6 | 2188.9 | 1569.6 | 1334.7 | 1206.6 | 1153.2 | 1142.5 | 1153.2 |
| 30° | 9652.4 | 8542.0 | 5434.8 | 2925.6 | 1911.3 | 1494.8 | 1420.1 | 1377.4 | 1270.6 | 1185.2 | 1185.2 |
| 32.5° | 10100.9 | 8862.3 | 5424.1 | 2658.7 | 1633.7 | 1249.3 | 1185.2 | 1153.2 | 1217.2 | 1259.9 | 1227.9 |
| 35° | 10720.2 | 9364.1 | 5392.1 | 2509.2 | 1516.2 | 1153.2 | 1046.4 | 961.0 | 918.3 | 896.9 | 928.9 |
| 37.5° | 11382.2 | 9705.8 | 5306.7 | 2487.8 | 1452.1 | 1099.8 | 1014.4 | 928.9 | 886.2 | 864.9 | 854.2 |
| 40° | 12108.2 | 10068.8 | 5210.6 | 2381.1 | 1420.1 | 1067.7 | 982.3 | 907.6 | 854.2 | 822.2 | 811.5 |
| 42.5° | 12578.0 | 10357.1 | 5114.5 | 2327.7 | 1356.0 | 1046.4 | 950.3 | 886.2 | 832.8 | 790.1 | 790.1 |
| 45° | 12845.0 | 10698.8 | 5018.4 | 2274.3 | 1281.3 | 1057.1 | 950.3 | 864.9 | 800.8 | 779.5 | 758.1 |
| 47.5° | 12962.4 | 10955.1 | 4986.4 | 2188.9 | 1217.2 | 1014.4 | 928.9 | 843.5 | 779.5 | 736.7 | 726.1 |
| 50° | 13272.1 | 11499.6 | 5103.8 | 2124.8 | 1142.5 | 971.6 | 982.3 | 832.8 | 768.8 | 715.4 | 704.7 |
| 52.5° | 13453.6 | 11937.4 | 5360.1 | 2028.7 | 1089.1 | 918.3 | 961.0 | 811.5 | 736.7 | 683.4 | 683.4 |
| 55° | 14115.6 | 12663.5 | 5637.7 | 1954.0 | 1025.0 | 843.5 | 886.2 | 768.8 | 683.4 | 651.3 | 651.3 |
| 57.5° | 14959.1 | 13432.2 | 5872.6 | 1921.9 | 982.3 | 790.1 | 790.1 | 747.4 | 651.3 | 608.6 | 597.9 |
| 60° | 15546.4 | 14062.2 | 6011.4 | 1900.6 | 939.6 | 736.7 | 704.7 | 747.4 | 619.3 | 576.6 | 565.9 |
| 62.5° | 15610.4 | 13699.2 | 5872.6 | 1889.9 | 928.9 | 683.4 | 640.6 | 715.4 | 587.3 | 544.6 | 523.2 |
| 65° | 15204.7 | 12962.4 | 5488.2 | 1847.2 | 918.3 | 630.0 | 597.9 | 619.3 | 544.6 | 512.5 | 491.2 |
| 67.5° | 14393.2 | 11766.6 | 4933.0 | 1825.8 | 907.6 | 587.3 | 544.6 | 533.9 | 501.8 | 469.8 | 448.5 |
| 70° | 12503.3 | 10207.7 | 4281.7 | 1729.7 | 886.2 | 555.2 | 491.2 | 480.5 | 448.5 | 427.1 | 416.4 |
| 72.5° | 10495.9 | 8349.8 | 3534.2 | 1601.6 | 843.5 | 501.8 | 448.5 | 427.1 | 416.4 | 384.4 | 373.7 |
| 75° | 8040.1 | 6427.8 | 2829.5 | 1420.1 | 736.7 | 448.5 | 395.1 | 373.7 | 363.0 | 341.7 | 331.0 |
| 77.5° | 5648.4 | 4783.5 | 2092.8 | 1153.2 | 619.3 | 405.7 | 352.4 | 331.0 | 320.3 | 288.3 | 288.3 |
| 80° | 3833.2 | 3352.7 | 1420.1 | 800.8 | 480.5 | 331.0 | 309.6 | 288.3 | 266.9 | 245.6 | 245.6 |
| 82.5° | 2381.1 | 2349.0 | 1025.0 | 523.2 | 352.4 | 266.9 | 245.6 | 245.6 | 213.5 | 192.2 | 192.2 |
| 85° | 1089.1 | 1441.5 | 715.4 | 363.0 | 266.9 | 202.9 | 202.9 | 192.2 | 170.8 | 138.8 | 138.8 |
| 87.5° | 341.7 | 480.5 | 373.7 | 160.2 | 149.5 | 117.5 | 117.5 | 106.8 | 106.8 | 85.4 | 85.4 |
| 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: P599101
 CATALOG NUMBER: IFLD-L-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 |
| 2.5° | 6737.5 | 6726.8 | 6726.8 | 6684.1 | 6790.9 | 6790.9 | 6854.9 | 6801.5 | 6833.6 | 6844.3 | 6929.7 |
| 5° | 5349.4 | 5434.8 | 5498.9 | 5627.0 | 5701.8 | 5733.8 | 5733.8 | 5819.2 | 5787.2 | 5851.2 | 5979.4 |
| 7.5° | 3918.6 | 4025.4 | 4217.6 | 4377.8 | 4505.9 | 4548.6 | 4537.9 | 4559.3 | 4591.3 | 4516.6 | 4537.9 |
| 10° | 3171.2 | 3096.5 | 3160.5 | 3310.0 | 3427.5 | 3566.3 | 3459.5 | 3448.8 | 3480.9 | 3448.8 | 3512.9 |
| 12.5° | 2648.0 | 2562.6 | 2509.2 | 2509.2 | 2594.6 | 2658.7 | 2626.7 | 2680.0 | 2797.5 | 2829.5 | 2904.3 |
| 15° | 2146.2 | 2071.4 | 2028.7 | 1975.3 | 2060.7 | 2082.1 | 2114.1 | 2188.9 | 2274.3 | 2317.0 | 2402.4 |
| 17.5° | 1719.1 | 1719.1 | 1719.1 | 1676.4 | 1708.4 | 1740.4 | 1751.1 | 1847.2 | 1857.9 | 1900.6 | 1932.6 |
| 20° | 1409.4 | 1441.5 | 1494.8 | 1516.2 | 1548.2 | 1548.2 | 1526.9 | 1580.3 | 1537.6 | 1569.6 | 1590.9 |
| 22.5° | 1270.6 | 1313.3 | 1334.7 | 1345.4 | 1388.1 | 1398.7 | 1345.4 | 1356.0 | 1366.7 | 1334.7 | 1345.4 |
| 25° | 1195.9 | 1217.2 | 1195.9 | 1206.6 | 1217.2 | 1195.9 | 1206.6 | 1227.9 | 1217.2 | 1238.6 | 1227.9 |
| 27.5° | 1163.8 | 1142.5 | 1131.8 | 1121.1 | 1121.1 | 1099.8 | 1110.5 | 1110.5 | 1131.8 | 1142.5 | 1142.5 |
| 30° | 1163.8 | 1131.8 | 1089.1 | 1057.1 | 1057.1 | 1025.0 | 1046.4 | 1067.7 | 1078.4 | 1099.8 | 1099.8 |
| 32.5° | 1195.9 | 1131.8 | 1057.1 | 1025.0 | 993.0 | 971.6 | 993.0 | 1025.0 | 1067.7 | 1078.4 | 1089.1 |
| 35° | 950.3 | 982.3 | 971.6 | 928.9 | 918.3 | 918.3 | 907.6 | 907.6 | 875.6 | 875.6 | 864.9 |
| 37.5° | 854.2 | 843.5 | 864.9 | 875.6 | 886.2 | 854.2 | 854.2 | 811.5 | 800.8 | 811.5 | 811.5 |
| 40° | 800.8 | 800.8 | 800.8 | 832.8 | 843.5 | 822.2 | 790.1 | 768.8 | 768.8 | 768.8 | 779.5 |
| 42.5° | 779.5 | 758.1 | 747.4 | 768.8 | 800.8 | 779.5 | 747.4 | 736.7 | 736.7 | 747.4 | 747.4 |
| 45° | 747.4 | 736.7 | 726.1 | 715.4 | 758.1 | 726.1 | 715.4 | 704.7 | 704.7 | 704.7 | 715.4 |
| 47.5° | 715.4 | 704.7 | 683.4 | 683.4 | 694.0 | 683.4 | 672.7 | 672.7 | 672.7 | 694.0 | 694.0 |
| 50° | 694.0 | 683.4 | 662.0 | 662.0 | 662.0 | 662.0 | 651.3 | 651.3 | 651.3 | 662.0 | 672.7 |
| 52.5° | 662.0 | 651.3 | 640.6 | 630.0 | 630.0 | 630.0 | 630.0 | 630.0 | 630.0 | 640.6 | 651.3 |
| 55° | 630.0 | 619.3 | 608.6 | 608.6 | 619.3 | 619.3 | 608.6 | 619.3 | 608.6 | 619.3 | 630.0 |
| 57.5° | 597.9 | 587.3 | 576.6 | 587.3 | 597.9 | 587.3 | 587.3 | 587.3 | 587.3 | 587.3 | 597.9 |
| 60° | 555.2 | 555.2 | 555.2 | 555.2 | 576.6 | 576.6 | 576.6 | 576.6 | 555.2 | 565.9 | 576.6 |
| 62.5° | 533.9 | 523.2 | 523.2 | 533.9 | 544.6 | 544.6 | 555.2 | 544.6 | 533.9 | 544.6 | 544.6 |
| 65° | 491.2 | 491.2 | 491.2 | 501.8 | 501.8 | 512.5 | 512.5 | 512.5 | 501.8 | 512.5 | 512.5 |
| 67.5° | 459.1 | 459.1 | 459.1 | 459.1 | 480.5 | 480.5 | 480.5 | 480.5 | 469.8 | 469.8 | 480.5 |
| 70° | 405.7 | 416.4 | 405.7 | 427.1 | 448.5 | 437.8 | 448.5 | 448.5 | 437.8 | 427.1 | 448.5 |
| 72.5° | 373.7 | 373.7 | 373.7 | 373.7 | 405.7 | 405.7 | 405.7 | 416.4 | 405.7 | 395.1 | 405.7 |
| 75° | 331.0 | 331.0 | 331.0 | 341.7 | 363.0 | 363.0 | 363.0 | 363.0 | 363.0 | 352.4 | 352.4 |
| 77.5° | 288.3 | 299.0 | 288.3 | 299.0 | 320.3 | 309.6 | 320.3 | 331.0 | 320.3 | 309.6 | 309.6 |
| 80° | 245.6 | 245.6 | 245.6 | 256.3 | 266.9 | 266.9 | 266.9 | 277.6 | 266.9 | 256.3 | 256.3 |
| 82.5° | 192.2 | 192.2 | 202.9 | 202.9 | 213.5 | 213.5 | 213.5 | 224.2 | 213.5 | 202.9 | 202.9 |
| 85° | 149.5 | 149.5 | 149.5 | 160.2 | 160.2 | 170.8 | 170.8 | 181.5 | 181.5 | 170.8 | 170.8 |
| 87.5° | 96.1 | 85.4 | 96.1 | 96.1 | 106.8 | 106.8 | 96.1 | 85.4 | 96.1 | 85.4 | 74.7 |
| 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: P599101
 CATALOG NUMBER: IFLD-L-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 | 7687.8 |
| 2.5° | 7015.1 | 7207.3 | 7346.1 | 7442.2 | 7581.0 | 7847.9 | 7954.7 | 8146.9 | 8200.3 | 8232.3 |
| 5° | 6032.8 | 6235.6 | 6534.6 | 6748.2 | 6993.7 | 7495.6 | 7880.0 | 8168.3 | 8296.4 | 8413.8 |
| 7.5° | 4730.1 | 4997.1 | 5306.7 | 5584.3 | 5990.1 | 6609.3 | 7111.2 | 7709.1 | 7933.4 | 8050.8 |
| 10° | 3694.4 | 3940.0 | 4281.7 | 4623.3 | 5189.2 | 5712.4 | 6427.8 | 6972.4 | 7282.0 | 7367.4 |
| 12.5° | 3117.8 | 3406.1 | 3811.9 | 4228.3 | 4580.6 | 5178.6 | 5904.6 | 6694.8 | 6983.1 | 7036.4 |
| 15° | 2648.0 | 3043.1 | 3459.5 | 3886.6 | 4292.3 | 4815.5 | 5595.0 | 6556.0 | 6983.1 | 7036.4 |
| 17.5° | 2188.9 | 2541.2 | 3032.4 | 3491.5 | 3961.3 | 4676.7 | 5648.4 | 6673.4 | 7100.5 | 7260.7 |
| 20° | 1740.4 | 2082.1 | 2466.5 | 3043.1 | 3683.7 | 4441.8 | 5765.8 | 7068.5 | 7634.4 | 7805.2 |
| 22.5° | 1441.5 | 1590.9 | 1964.7 | 2519.9 | 3278.0 | 4281.7 | 5883.3 | 7687.8 | 8285.7 | 8349.8 |
| 25° | 1259.9 | 1366.7 | 1601.6 | 2124.8 | 2957.7 | 4174.9 | 6160.9 | 8403.2 | 9171.9 | 9171.9 |
| 27.5° | 1174.5 | 1217.2 | 1377.4 | 1847.2 | 2733.4 | 4078.8 | 6438.5 | 9193.3 | 9908.7 | 10058.2 |
| 30° | 1153.2 | 1259.9 | 1345.4 | 1644.3 | 2487.8 | 3811.9 | 6694.8 | 9812.6 | 10549.3 | 10560.0 |
| 32.5° | 1131.8 | 1110.5 | 1174.5 | 1430.8 | 2188.9 | 3534.2 | 6908.3 | 10442.6 | 11019.1 | 11051.2 |
| 35° | 886.2 | 928.9 | 1035.7 | 1259.9 | 1964.7 | 3331.4 | 7015.1 | 10784.2 | 11617.1 | 11649.1 |
| 37.5° | 832.8 | 886.2 | 971.6 | 1163.8 | 1815.2 | 3160.5 | 7047.1 | 11446.2 | 12247.0 | 12311.1 |
| 40° | 811.5 | 854.2 | 918.3 | 1078.4 | 1697.7 | 2947.0 | 7111.2 | 12129.6 | 13176.0 | 13090.6 |
| 42.5° | 768.8 | 822.2 | 886.2 | 1035.7 | 1601.6 | 2786.8 | 7121.9 | 12503.3 | 13667.1 | 13667.1 |
| 45° | 758.1 | 790.1 | 864.9 | 1035.7 | 1494.8 | 2648.0 | 6951.0 | 12877.0 | 14233.1 | 14062.2 |
| 47.5° | 715.4 | 779.5 | 843.5 | 1003.7 | 1366.7 | 2509.2 | 6748.2 | 13069.2 | 14307.8 | 14254.4 |
| 50° | 704.7 | 768.8 | 875.6 | 950.3 | 1292.0 | 2445.1 | 6705.4 | 13549.7 | 14457.3 | 14446.6 |
| 52.5° | 683.4 | 747.4 | 907.6 | 907.6 | 1195.9 | 2359.7 | 6908.3 | 13763.2 | 14489.3 | 14574.7 |
| 55° | 651.3 | 747.4 | 843.5 | 832.8 | 1110.5 | 2252.9 | 7132.5 | 14318.5 | 15055.2 | 15033.9 |
| 57.5° | 630.0 | 726.1 | 800.8 | 758.1 | 1014.4 | 2178.2 | 7463.5 | 14852.3 | 15738.6 | 15589.1 |
| 60° | 597.9 | 726.1 | 715.4 | 704.7 | 939.6 | 2114.1 | 7741.2 | 14959.1 | 15888.1 | 15984.2 |
| 62.5° | 576.6 | 758.1 | 630.0 | 651.3 | 875.6 | 2082.1 | 7623.7 | 14158.3 | 15685.2 | 15770.6 |
| 65° | 555.2 | 651.3 | 576.6 | 597.9 | 854.2 | 2018.0 | 7164.6 | 13197.3 | 14809.6 | 15183.3 |
| 67.5° | 512.5 | 533.9 | 533.9 | 555.2 | 832.8 | 1868.6 | 6225.0 | 11467.6 | 13475.0 | 13677.8 |
| 70° | 469.8 | 480.5 | 480.5 | 512.5 | 811.5 | 1697.7 | 5135.9 | 9919.4 | 11691.8 | 12076.2 |
| 72.5° | 427.1 | 427.1 | 427.1 | 469.8 | 747.4 | 1558.9 | 4228.3 | 7623.7 | 9716.5 | 9983.4 |
| 75° | 373.7 | 373.7 | 373.7 | 416.4 | 672.7 | 1420.1 | 3331.4 | 5669.7 | 7153.9 | 7538.3 |
| 77.5° | 331.0 | 331.0 | 320.3 | 373.7 | 587.3 | 1153.2 | 2402.4 | 4004.0 | 5039.8 | 5360.1 |
| 80° | 277.6 | 266.9 | 266.9 | 299.0 | 459.1 | 832.8 | 1548.2 | 2829.5 | 3512.9 | 3651.7 |
| 82.5° | 224.2 | 213.5 | 202.9 | 224.2 | 331.0 | 523.2 | 961.0 | 1975.3 | 2252.9 | 2167.5 |
| 85° | 213.5 | 224.2 | 181.5 | 170.8 | 234.9 | 341.7 | 608.6 | 1217.2 | 1014.4 | 1014.4 |
| 87.5° | 85.4 | 74.7 | 74.7 | 64.1 | 117.5 | 128.1 | 266.9 | 224.2 | 170.8 | 170.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)