

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: P599614

Luminaire Tested: **IFLD-S-SA6C-830-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599614
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (96) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

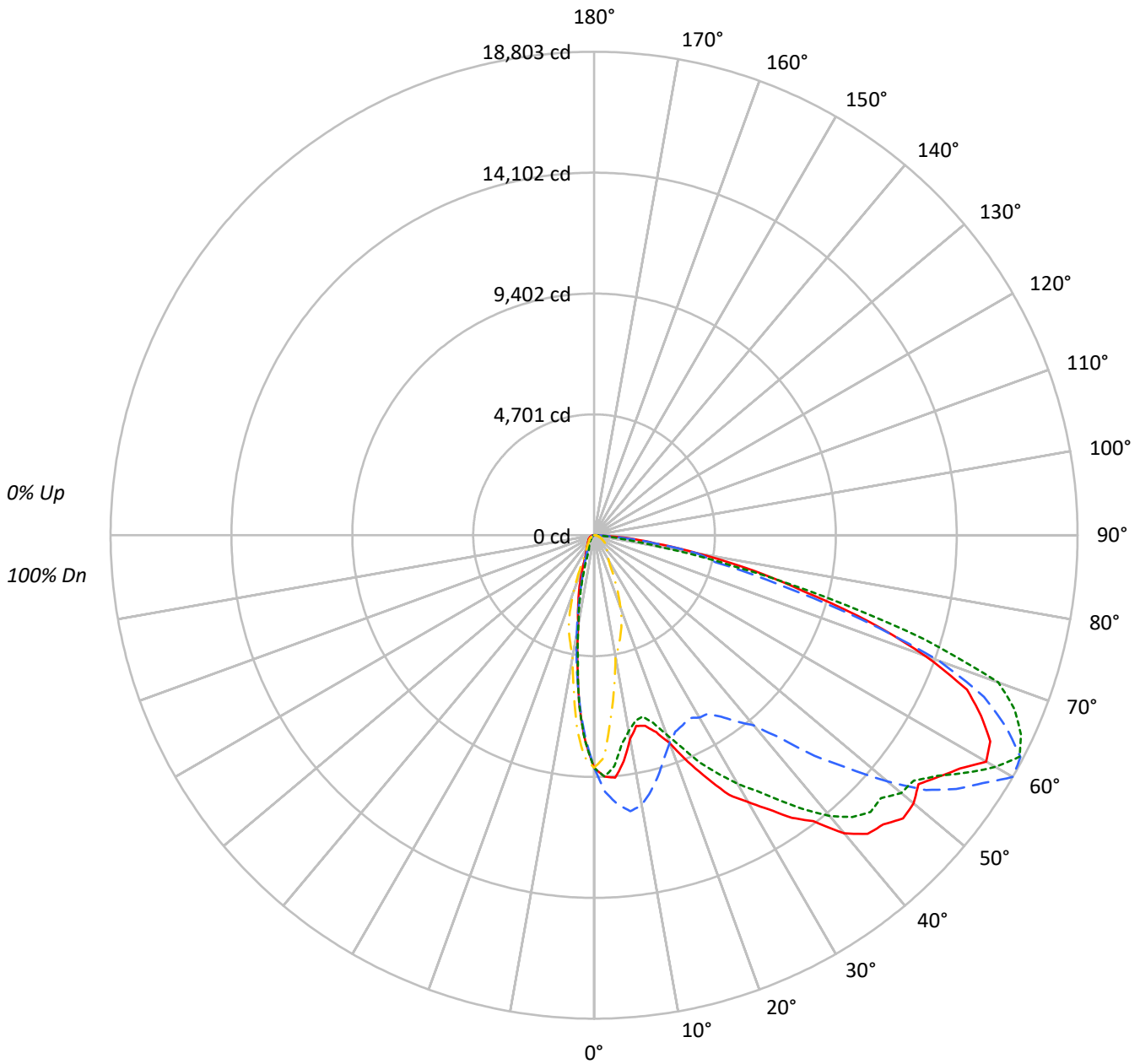
Lumens per Lamp: N/A
 Luminaire Lumens: 24047.6 lumens
 Efficiency: N/A
 Efficacy: 74.8 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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 |

TEST NUMBER: P599614
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

TEST NUMBER: P599614
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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 | 100 | | | | |
| 1 | 106 | 100 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 90 | 86 | 90 | 86 | 83 | 86 | 83 | 81 | 79 | | | | |
| 2 | 94 | 84 | 76 | 69 | 91 | 82 | 75 | 68 | 78 | 72 | 66 | 75 | 70 | 65 | 72 | 67 | 63 | 61 | | | | |
| 3 | 84 | 72 | 62 | 54 | 81 | 70 | 61 | 53 | 67 | 59 | 52 | 64 | 57 | 51 | 61 | 55 | 50 | 48 | | | | |
| 4 | 76 | 62 | 51 | 44 | 73 | 60 | 51 | 43 | 58 | 49 | 43 | 55 | 48 | 42 | 53 | 46 | 41 | 39 | | | | |
| 5 | 69 | 54 | 44 | 36 | 67 | 53 | 43 | 36 | 51 | 42 | 35 | 48 | 41 | 35 | 46 | 40 | 34 | 32 | | | | |
| 6 | 63 | 48 | 38 | 30 | 61 | 47 | 37 | 30 | 45 | 36 | 30 | 43 | 35 | 30 | 41 | 35 | 29 | 27 | | | | |
| 7 | 58 | 43 | 33 | 26 | 56 | 42 | 33 | 26 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 25 | 23 | | | | |
| 8 | 54 | 39 | 29 | 23 | 52 | 38 | 29 | 23 | 37 | 28 | 23 | 35 | 28 | 22 | 34 | 27 | 22 | 20 | | | | |
| 9 | 50 | 35 | 26 | 20 | 49 | 35 | 26 | 20 | 34 | 26 | 20 | 32 | 25 | 20 | 31 | 25 | 20 | 18 | | | | |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 64883 | 64883 | 64883 | 64883 |
| 5° | 68184 | 64899 | 47414 | 47692 |
| 10° | 58631 | 56385 | 25923 | 25315 |
| 15° | 57010 | 54195 | 16841 | 12690 |
| 20° | 65713 | 62967 | 9023 | 4512 |
| 25° | 82624 | 77285 | 5847 | 3508 |
| 30° | 99238 | 92480 | 4735 | 2874 |
| 35° | 117517 | 110260 | 3882 | 2307 |
| 40° | 141786 | 133484 | 3429 | 1744 |
| 45° | 161424 | 154386 | 3194 | 1173 |
| 50° | 181090 | 174065 | 3155 | 717 |
| 55° | 204789 | 204066 | 3133 | 322 |
| 60° | 252712 | 258703 | 2857 | 92 |
| 65° | 281974 | 310979 | 2617 | 0 |
| 70° | 287522 | 350982 | 2425 | 0 |
| 75° | 233952 | 258878 | 2315 | 0 |
| 80° | 170104 | 108275 | 2389 | 0 |
| 85° | 109974 | 45473 | 3170 | 0 |

TEST NUMBER: P599614
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 686.9 | 2.9 |
| 10°-20° | 1347.0 | 5.6 |
| 20°-30° | 1864.0 | 7.8 |
| 30°-40° | 2634.3 | 11.0 |
| 40°-50° | 3586.6 | 14.9 |
| 50°-60° | 4750.3 | 19.8 |
| 60°-70° | 5515.4 | 22.9 |
| 70°-80° | 3123.4 | 13.0 |
| 80°-90° | 539.7 | 2.2 |
| 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° | 3897.9 | 16.2 |
| 0°-40° | 6532.2 | 27.2 |
| 0°-60° | 14869.1 | 61.8 |
| 0°-90° | 24047.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 24047.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|------|------|-------|-------|
| 0° | 9042 | 9042 | 9042 | 9042 | 9042 | |
| 5° | 9466 | 9010 | 6582 | 6621 | 9466 | 850 |
| 15° | 7674 | 7295 | 2267 | 1708 | 7674 | 2251 |
| 25° | 10435 | 9761 | 738 | 443 | 10435 | 4867 |
| 35° | 13415 | 12586 | 443 | 263 | 13415 | 8457 |
| 45° | 15906 | 15213 | 315 | 116 | 15906 | 12332 |
| 55° | 16369 | 16311 | 250 | 26 | 16369 | 14830 |
| 65° | 16606 | 18315 | 154 | 0 | 16606 | 16188 |
| 75° | 8438 | 9337 | 84 | 0 | 8438 | 9209 |
| 85° | 1336 | 552 | 38 | 0 | 1336 | 1605 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599614
 CATALOG NUMBER: IFLD-S-SA6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 |
| 2.5° | 9394.9 | 9594.0 | 9600.4 | 9690.3 | 9780.2 | 9780.2 | 9992.2 | 9940.8 | 9754.6 | 9722.4 | 9587.6 |
| 5° | 9465.6 | 9536.2 | 9587.6 | 10043.5 | 10428.8 | 10390.3 | 10505.9 | 10428.8 | 10069.2 | 9606.9 | 9292.2 |
| 7.5° | 8855.5 | 8932.6 | 9138.1 | 9915.1 | 10435.3 | 10608.6 | 10827.0 | 10345.3 | 9966.5 | 9131.6 | 8528.0 |
| 10° | 8046.4 | 8194.1 | 8573.0 | 9459.2 | 10101.3 | 10653.6 | 10653.6 | 10268.3 | 9536.2 | 8720.7 | 7982.2 |
| 12.5° | 7596.9 | 7892.3 | 8097.8 | 8996.8 | 9831.6 | 10210.5 | 10197.6 | 9992.2 | 9517.0 | 8489.5 | 7654.7 |
| 15° | 7673.9 | 7757.4 | 8194.1 | 8894.0 | 9446.3 | 9427.0 | 9658.2 | 9594.0 | 9260.1 | 8695.0 | 7776.7 |
| 17.5° | 8027.1 | 8155.6 | 8534.4 | 8894.0 | 9157.3 | 9080.3 | 9073.9 | 9382.1 | 9401.4 | 9041.7 | 8232.6 |
| 20° | 8605.1 | 8983.9 | 9163.8 | 9272.9 | 8951.8 | 8624.3 | 8585.8 | 9016.1 | 9350.0 | 9484.8 | 8778.5 |
| 22.5° | 9529.8 | 9780.2 | 10146.3 | 9587.6 | 8752.8 | 8341.8 | 8264.7 | 8739.9 | 9414.2 | 10011.4 | 9484.8 |
| 25° | 10435.3 | 10627.9 | 10981.1 | 10261.9 | 8977.5 | 8284.0 | 8149.1 | 8560.1 | 9658.2 | 10743.5 | 10338.9 |
| 27.5° | 11392.1 | 11559.0 | 11597.6 | 10756.3 | 9099.5 | 8168.4 | 8007.9 | 8560.1 | 9863.7 | 11128.8 | 11360.0 |
| 30° | 11976.5 | 12175.5 | 12214.1 | 11193.0 | 9298.6 | 8264.7 | 8187.7 | 8598.6 | 10005.0 | 11456.3 | 12092.0 |
| 32.5° | 12631.5 | 12682.8 | 12650.7 | 11270.1 | 9517.0 | 8547.3 | 8226.2 | 8855.5 | 10165.5 | 11848.0 | 12759.9 |
| 35° | 13414.9 | 13504.8 | 13177.3 | 11623.3 | 10005.0 | 8727.1 | 8611.5 | 9170.2 | 10441.7 | 12027.8 | 13569.0 |
| 37.5° | 14012.1 | 14294.7 | 13556.2 | 11758.1 | 10101.3 | 9106.0 | 9125.2 | 9825.2 | 10634.3 | 12246.2 | 14461.7 |
| 40° | 15135.9 | 14660.7 | 14198.4 | 12220.5 | 10467.4 | 9748.1 | 9645.4 | 10499.5 | 11282.9 | 12387.4 | 15046.0 |
| 42.5° | 15752.4 | 15502.0 | 14448.8 | 12265.4 | 11032.5 | 10634.3 | 10660.0 | 11263.7 | 11623.3 | 12785.6 | 15206.6 |
| 45° | 15906.5 | 15643.2 | 14789.2 | 12297.5 | 11591.2 | 11681.1 | 12124.2 | 12239.7 | 12124.2 | 13048.9 | 15508.4 |
| 47.5° | 16298.3 | 15726.7 | 14750.6 | 12727.8 | 12496.6 | 12843.4 | 13408.5 | 13658.9 | 12804.9 | 12952.6 | 15649.7 |
| 50° | 16221.2 | 15893.7 | 14667.1 | 12907.6 | 13601.1 | 14519.4 | 14898.3 | 14795.6 | 13562.6 | 12753.5 | 15495.5 |
| 52.5° | 15900.1 | 15546.9 | 14924.0 | 13395.7 | 14635.0 | 15746.0 | 16272.6 | 16015.7 | 14236.9 | 13203.0 | 15392.8 |
| 55° | 16368.9 | 16099.2 | 15257.9 | 14057.1 | 15412.1 | 16824.8 | 17197.3 | 17004.6 | 15065.3 | 13620.4 | 15977.2 |
| 57.5° | 16876.2 | 16818.4 | 16163.4 | 14834.1 | 16330.4 | 17935.8 | 17935.8 | 17698.2 | 15784.5 | 14224.1 | 16844.1 |
| 60° | 17608.3 | 17736.7 | 16831.3 | 15347.8 | 16645.0 | 17871.6 | 18802.7 | 18526.6 | 16510.2 | 15283.6 | 17826.6 |
| 62.5° | 17370.7 | 17781.7 | 17691.8 | 16452.4 | 17004.6 | 18186.2 | 18693.6 | 18899.0 | 17409.2 | 16574.4 | 19136.6 |
| 65° | 16606.5 | 17043.2 | 17685.3 | 17178.0 | 16734.9 | 17422.1 | 17678.9 | 18301.8 | 17858.7 | 17788.1 | 19676.1 |
| 67.5° | 15694.6 | 16169.8 | 16568.0 | 17666.1 | 16189.1 | 16645.0 | 16420.3 | 16619.3 | 17370.7 | 19117.4 | 19984.3 |
| 70° | 13703.9 | 14159.8 | 14789.2 | 16580.8 | 14744.2 | 14333.2 | 14275.4 | 14179.1 | 15347.8 | 18642.2 | 18584.4 |
| 72.5° | 11270.1 | 11482.0 | 12522.3 | 13479.1 | 10910.5 | 10833.4 | 10923.3 | 10814.1 | 12169.1 | 16876.2 | 15919.4 |
| 75° | 8438.1 | 8650.0 | 9240.8 | 10351.8 | 7429.9 | 6986.8 | 7500.5 | 8007.9 | 9292.2 | 13100.3 | 11437.0 |
| 77.5° | 6344.6 | 6614.3 | 6986.8 | 7744.6 | 5452.0 | 4758.5 | 4829.1 | 5310.7 | 6717.1 | 10493.0 | 6408.9 |
| 80° | 4116.3 | 4084.2 | 4803.4 | 5330.0 | 4103.5 | 4231.9 | 4052.1 | 4405.3 | 4867.6 | 5612.6 | 3275.1 |
| 82.5° | 2376.0 | 2408.1 | 2710.0 | 3056.7 | 2857.7 | 3268.6 | 2356.8 | 3936.5 | 3474.1 | 2286.1 | 1220.1 |
| 85° | 1335.7 | 1393.5 | 1669.6 | 2119.2 | 1791.7 | 1200.9 | 982.5 | 1952.2 | 2183.4 | 937.6 | 590.8 |
| 87.5° | 134.9 | 115.6 | 224.8 | 802.7 | 488.0 | 199.1 | 295.4 | 468.8 | 526.6 | 353.2 | 173.4 |
| 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: P599614
 CATALOG NUMBER: IFLD-S-SA6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 |
| 2.5° | 9394.9 | 9394.9 | 9234.4 | 8964.7 | 8855.5 | 8662.9 | 8399.6 | 8483.1 | 8393.2 | 8065.6 | 7982.2 |
| 5° | 9009.6 | 8701.4 | 8367.5 | 7956.5 | 7718.9 | 7230.8 | 7076.7 | 6800.6 | 6845.5 | 6569.4 | 6582.2 |
| 7.5° | 8206.9 | 7962.9 | 7397.8 | 6858.4 | 6389.6 | 5965.8 | 5368.5 | 5143.8 | 4925.4 | 4816.3 | 4944.7 |
| 10° | 7738.1 | 7282.2 | 6511.6 | 5805.2 | 5182.3 | 4803.4 | 4405.3 | 4097.0 | 3814.5 | 3602.6 | 3557.6 |
| 12.5° | 7397.8 | 6993.2 | 6062.1 | 5201.6 | 4713.5 | 4405.3 | 4039.2 | 3615.4 | 3339.3 | 2973.2 | 2864.1 |
| 15° | 7295.0 | 6800.6 | 5818.1 | 4964.0 | 4488.8 | 3981.5 | 3564.0 | 3146.6 | 2787.0 | 2401.7 | 2266.9 |
| 17.5° | 7648.2 | 7076.7 | 5811.6 | 4771.3 | 4103.5 | 3557.6 | 2979.7 | 2510.9 | 2144.8 | 1791.7 | 1708.2 |
| 20° | 8245.5 | 7372.1 | 5997.9 | 4655.7 | 3737.4 | 3005.4 | 2350.3 | 1881.6 | 1470.6 | 1239.4 | 1181.6 |
| 22.5° | 8926.2 | 7873.0 | 6017.1 | 4347.5 | 3371.4 | 2453.1 | 1714.6 | 1239.4 | 1008.2 | 899.0 | 866.9 |
| 25° | 9761.0 | 8675.7 | 6248.3 | 4097.0 | 2941.1 | 1862.3 | 1220.1 | 950.4 | 815.6 | 751.3 | 738.5 |
| 27.5° | 10448.1 | 9234.4 | 6498.8 | 3833.8 | 2517.3 | 1380.7 | 956.8 | 777.0 | 706.4 | 642.2 | 635.7 |
| 30° | 11160.9 | 9876.6 | 6569.4 | 3673.2 | 2151.3 | 1136.6 | 822.0 | 687.1 | 610.1 | 578.0 | 571.5 |
| 32.5° | 11783.8 | 10576.5 | 6794.2 | 3409.9 | 1804.5 | 1001.8 | 744.9 | 616.5 | 565.1 | 513.7 | 507.3 |
| 35° | 12586.5 | 10981.1 | 6903.3 | 3268.6 | 1676.1 | 905.5 | 680.7 | 565.1 | 488.0 | 455.9 | 443.1 |
| 37.5° | 13447.0 | 11372.8 | 6974.0 | 3159.5 | 1566.9 | 847.7 | 642.2 | 533.0 | 462.4 | 417.4 | 404.6 |
| 40° | 14249.7 | 11925.1 | 6871.2 | 3024.6 | 1483.4 | 777.0 | 616.5 | 494.5 | 430.3 | 385.3 | 366.0 |
| 42.5° | 14866.2 | 12464.5 | 6839.1 | 2896.2 | 1393.5 | 751.3 | 584.4 | 475.2 | 404.6 | 353.2 | 346.8 |
| 45° | 15213.0 | 12830.5 | 6614.3 | 2793.4 | 1322.9 | 764.2 | 571.5 | 449.5 | 385.3 | 340.3 | 314.7 |
| 47.5° | 15129.5 | 13113.1 | 6672.1 | 2761.3 | 1226.5 | 712.8 | 565.1 | 430.3 | 353.2 | 314.7 | 295.4 |
| 50° | 15591.9 | 13684.6 | 6575.8 | 2658.6 | 1155.9 | 642.2 | 616.5 | 430.3 | 346.8 | 301.8 | 282.6 |
| 52.5° | 15668.9 | 14204.8 | 6781.3 | 2472.4 | 1046.7 | 590.8 | 610.1 | 423.8 | 333.9 | 289.0 | 263.3 |
| 55° | 16311.1 | 14808.4 | 7179.5 | 2369.6 | 956.8 | 513.7 | 558.7 | 411.0 | 301.8 | 263.3 | 250.4 |
| 57.5° | 17184.5 | 16060.7 | 7436.3 | 2273.3 | 834.8 | 449.5 | 468.8 | 404.6 | 276.1 | 244.0 | 224.8 |
| 60° | 18025.7 | 16561.5 | 7455.6 | 2099.9 | 719.2 | 404.6 | 366.0 | 404.6 | 256.9 | 218.3 | 199.1 |
| 62.5° | 18655.0 | 16561.5 | 7327.2 | 1952.2 | 629.3 | 359.6 | 321.1 | 385.3 | 231.2 | 192.7 | 179.8 |
| 65° | 18314.7 | 16118.5 | 6993.2 | 1830.2 | 571.5 | 314.7 | 276.1 | 295.4 | 205.5 | 167.0 | 154.1 |
| 67.5° | 17704.6 | 14737.8 | 6254.7 | 1682.5 | 565.1 | 276.1 | 237.6 | 218.3 | 179.8 | 147.7 | 134.9 |
| 70° | 16728.5 | 12875.5 | 5208.0 | 1515.5 | 552.3 | 250.4 | 211.9 | 186.2 | 160.5 | 128.4 | 115.6 |
| 72.5° | 13479.1 | 10634.3 | 4276.8 | 1419.2 | 539.4 | 218.3 | 179.8 | 160.5 | 134.9 | 109.2 | 96.3 |
| 75° | 9337.1 | 6794.2 | 3294.3 | 1213.7 | 526.6 | 199.1 | 167.0 | 141.3 | 115.6 | 89.9 | 83.5 |
| 77.5° | 5599.7 | 4540.1 | 2125.6 | 911.9 | 346.8 | 160.5 | 141.3 | 109.2 | 96.3 | 77.1 | 70.6 |
| 80° | 2620.1 | 2144.8 | 860.5 | 353.2 | 167.0 | 115.6 | 96.3 | 83.5 | 77.1 | 64.2 | 57.8 |
| 82.5° | 1027.5 | 905.5 | 417.4 | 205.5 | 134.9 | 89.9 | 77.1 | 70.6 | 64.2 | 51.4 | 45.0 |
| 85° | 552.3 | 488.0 | 199.1 | 141.3 | 96.3 | 64.2 | 64.2 | 57.8 | 51.4 | 45.0 | 38.5 |
| 87.5° | 122.0 | 89.9 | 83.5 | 83.5 | 70.6 | 51.4 | 51.4 | 45.0 | 38.5 | 32.1 | 25.7 |
| 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: P599614
 CATALOG NUMBER: IFLD-S-SA6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 |
| 2.5° | 7937.2 | 8033.5 | 7879.4 | 7975.7 | 7840.9 | 7943.6 | 7956.5 | 7860.2 | 7885.8 | 8014.3 | 8072.1 |
| 5° | 6762.0 | 6697.8 | 6556.5 | 6511.6 | 6518.0 | 6434.5 | 6466.6 | 6511.6 | 6582.2 | 6620.8 | 6736.4 |
| 7.5° | 4874.1 | 5021.8 | 5015.3 | 5124.5 | 5130.9 | 5118.1 | 5028.2 | 4835.5 | 4899.8 | 4848.4 | 4912.6 |
| 10° | 3487.0 | 3551.2 | 3673.2 | 3743.8 | 3872.3 | 3801.6 | 3596.1 | 3519.1 | 3480.6 | 3474.1 | 3538.4 |
| 12.5° | 2787.0 | 2632.9 | 2620.1 | 2645.7 | 2710.0 | 2626.5 | 2523.7 | 2433.8 | 2478.8 | 2568.7 | 2639.3 |
| 15° | 2157.7 | 2029.3 | 1862.3 | 1836.6 | 1849.4 | 1810.9 | 1701.7 | 1586.2 | 1618.3 | 1708.2 | 1759.5 |
| 17.5° | 1656.8 | 1509.1 | 1393.5 | 1316.4 | 1290.8 | 1155.9 | 995.4 | 899.0 | 873.4 | 866.9 | 911.9 |
| 20° | 1117.4 | 1091.7 | 1072.4 | 976.1 | 976.1 | 783.4 | 648.6 | 578.0 | 578.0 | 590.8 | 597.2 |
| 22.5° | 834.8 | 802.7 | 809.1 | 789.9 | 738.5 | 584.4 | 513.7 | 494.5 | 494.5 | 507.3 | 507.3 |
| 25° | 725.7 | 680.7 | 667.9 | 661.4 | 610.1 | 500.9 | 449.5 | 430.3 | 430.3 | 443.1 | 443.1 |
| 27.5° | 616.5 | 603.6 | 584.4 | 558.7 | 513.7 | 430.3 | 398.1 | 378.9 | 385.3 | 391.7 | 385.3 |
| 30° | 565.1 | 533.0 | 507.3 | 507.3 | 455.9 | 385.3 | 359.6 | 346.8 | 333.9 | 346.8 | 353.2 |
| 32.5° | 500.9 | 481.6 | 468.8 | 449.5 | 391.7 | 340.3 | 314.7 | 301.8 | 295.4 | 295.4 | 301.8 |
| 35° | 430.3 | 430.3 | 417.4 | 391.7 | 340.3 | 308.2 | 276.1 | 263.3 | 256.9 | 263.3 | 263.3 |
| 37.5° | 385.3 | 366.0 | 372.5 | 346.8 | 301.8 | 269.7 | 237.6 | 224.8 | 224.8 | 218.3 | 224.8 |
| 40° | 359.6 | 327.5 | 308.2 | 295.4 | 269.7 | 231.2 | 205.5 | 192.7 | 186.2 | 186.2 | 186.2 |
| 42.5° | 321.1 | 295.4 | 256.9 | 250.4 | 244.0 | 199.1 | 167.0 | 160.5 | 154.1 | 147.7 | 147.7 |
| 45° | 301.8 | 263.3 | 231.2 | 199.1 | 199.1 | 167.0 | 141.3 | 128.4 | 122.0 | 115.6 | 122.0 |
| 47.5° | 276.1 | 237.6 | 199.1 | 167.0 | 160.5 | 134.9 | 109.2 | 96.3 | 89.9 | 89.9 | 89.9 |
| 50° | 263.3 | 211.9 | 173.4 | 141.3 | 122.0 | 109.2 | 83.5 | 70.6 | 64.2 | 64.2 | 64.2 |
| 52.5° | 244.0 | 199.1 | 154.1 | 122.0 | 96.3 | 83.5 | 64.2 | 51.4 | 45.0 | 45.0 | 45.0 |
| 55° | 218.3 | 179.8 | 134.9 | 102.7 | 83.5 | 64.2 | 45.0 | 32.1 | 25.7 | 25.7 | 25.7 |
| 57.5° | 205.5 | 160.5 | 115.6 | 89.9 | 64.2 | 45.0 | 25.7 | 19.3 | 19.3 | 12.8 | 19.3 |
| 60° | 186.2 | 141.3 | 96.3 | 70.6 | 51.4 | 32.1 | 19.3 | 6.4 | 6.4 | 6.4 | 6.4 |
| 62.5° | 160.5 | 122.0 | 83.5 | 57.8 | 38.5 | 19.3 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 134.9 | 96.3 | 64.2 | 45.0 | 25.7 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 115.6 | 83.5 | 51.4 | 32.1 | 19.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 102.7 | 70.6 | 38.5 | 25.7 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 83.5 | 57.8 | 32.1 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 70.6 | 45.0 | 19.3 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 57.8 | 32.1 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 45.0 | 25.7 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 38.5 | 19.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 25.7 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 19.3 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P599614
 CATALOG NUMBER: IFLD-S-SA6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 | 9041.7 |
| 2.5° | 8155.6 | 8117.0 | 8309.7 | 8624.3 | 8784.9 | 9099.5 | 9176.6 | 9375.7 | 9324.3 | 9394.9 |
| 5° | 6749.2 | 6826.3 | 7108.8 | 7571.2 | 7738.1 | 8194.1 | 8624.3 | 9054.6 | 9330.7 | 9465.6 |
| 7.5° | 5008.9 | 5265.8 | 5612.6 | 6036.4 | 6466.6 | 7063.9 | 7795.9 | 8296.8 | 8566.5 | 8855.5 |
| 10° | 3731.0 | 4007.1 | 4405.3 | 4822.7 | 5522.7 | 6190.5 | 6922.6 | 7545.5 | 7776.7 | 8046.4 |
| 12.5° | 2934.7 | 3365.0 | 3827.3 | 4276.8 | 4694.3 | 5330.0 | 6235.5 | 7140.9 | 7391.4 | 7596.9 |
| 15° | 2042.1 | 2568.7 | 3230.1 | 3814.5 | 4398.9 | 4951.1 | 5888.7 | 6986.8 | 7327.2 | 7673.9 |
| 17.5° | 1130.2 | 1547.6 | 2305.4 | 3127.4 | 3987.9 | 4835.5 | 6004.3 | 7269.4 | 7783.1 | 8027.1 |
| 20° | 655.0 | 822.0 | 1361.4 | 2337.5 | 3474.1 | 4585.1 | 6062.1 | 7802.4 | 8483.1 | 8605.1 |
| 22.5° | 539.4 | 597.2 | 770.6 | 1464.1 | 2844.8 | 4424.5 | 6357.5 | 8547.3 | 9240.8 | 9529.8 |
| 25° | 462.4 | 507.3 | 597.2 | 879.8 | 2151.3 | 4084.2 | 6543.7 | 9478.4 | 10120.6 | 10435.3 |
| 27.5° | 411.0 | 455.9 | 526.6 | 648.6 | 1464.1 | 3615.4 | 6851.9 | 10319.7 | 10961.8 | 11392.1 |
| 30° | 359.6 | 398.1 | 468.8 | 552.3 | 1014.6 | 3088.8 | 7115.2 | 10936.1 | 11841.6 | 11976.5 |
| 32.5° | 321.1 | 353.2 | 404.6 | 475.2 | 751.3 | 2343.9 | 7327.2 | 11571.9 | 12336.1 | 12631.5 |
| 35° | 276.1 | 314.7 | 346.8 | 404.6 | 571.5 | 1766.0 | 7198.7 | 12066.4 | 13061.7 | 13414.9 |
| 37.5° | 244.0 | 269.7 | 301.8 | 340.3 | 481.6 | 1380.7 | 6935.4 | 12657.2 | 13684.6 | 14012.1 |
| 40° | 205.5 | 224.8 | 263.3 | 301.8 | 436.7 | 1066.0 | 6633.6 | 13370.0 | 14558.0 | 15135.9 |
| 42.5° | 173.4 | 192.7 | 218.3 | 282.6 | 359.6 | 789.9 | 6023.5 | 13922.2 | 15264.4 | 15752.4 |
| 45° | 134.9 | 160.5 | 199.1 | 282.6 | 289.0 | 584.4 | 5394.2 | 14333.2 | 15662.5 | 15906.5 |
| 47.5° | 102.7 | 128.4 | 192.7 | 244.0 | 231.2 | 404.6 | 4649.3 | 14802.0 | 16073.5 | 16298.3 |
| 50° | 77.1 | 102.7 | 218.3 | 211.9 | 192.7 | 308.2 | 4180.5 | 15129.5 | 16099.2 | 16221.2 |
| 52.5° | 51.4 | 77.1 | 179.8 | 160.5 | 160.5 | 269.7 | 4052.1 | 15116.7 | 16163.4 | 15900.1 |
| 55° | 38.5 | 57.8 | 102.7 | 115.6 | 141.3 | 237.6 | 3936.5 | 15598.3 | 16182.7 | 16368.9 |
| 57.5° | 25.7 | 45.0 | 70.6 | 89.9 | 122.0 | 205.5 | 3698.9 | 16176.2 | 16779.9 | 16876.2 |
| 60° | 12.8 | 32.1 | 51.4 | 70.6 | 102.7 | 179.8 | 3365.0 | 16600.1 | 17505.5 | 17608.3 |
| 62.5° | 6.4 | 19.3 | 38.5 | 57.8 | 83.5 | 141.3 | 3018.2 | 15925.8 | 17190.9 | 17370.7 |
| 65° | 0.0 | 12.8 | 25.7 | 38.5 | 51.4 | 102.7 | 2453.1 | 14378.2 | 15945.1 | 16606.5 |
| 67.5° | 0.0 | 0.0 | 12.8 | 25.7 | 32.1 | 77.1 | 1849.4 | 13081.0 | 14795.6 | 15694.6 |
| 70° | 0.0 | 0.0 | 6.4 | 6.4 | 19.3 | 57.8 | 1181.6 | 10833.4 | 13209.4 | 13703.9 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 38.5 | 687.1 | 8046.4 | 10351.8 | 11270.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.1 | 346.8 | 5175.9 | 7205.1 | 8438.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.7 | 186.2 | 3339.3 | 5310.7 | 6344.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 109.2 | 1939.4 | 3397.1 | 4116.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.0 | 950.4 | 2029.3 | 2376.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 507.3 | 1014.6 | 1335.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.3 | 70.6 | 134.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)