

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: P599483

Luminaire Tested: **IFLD-L-SA8B-735-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: P599483
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-735-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

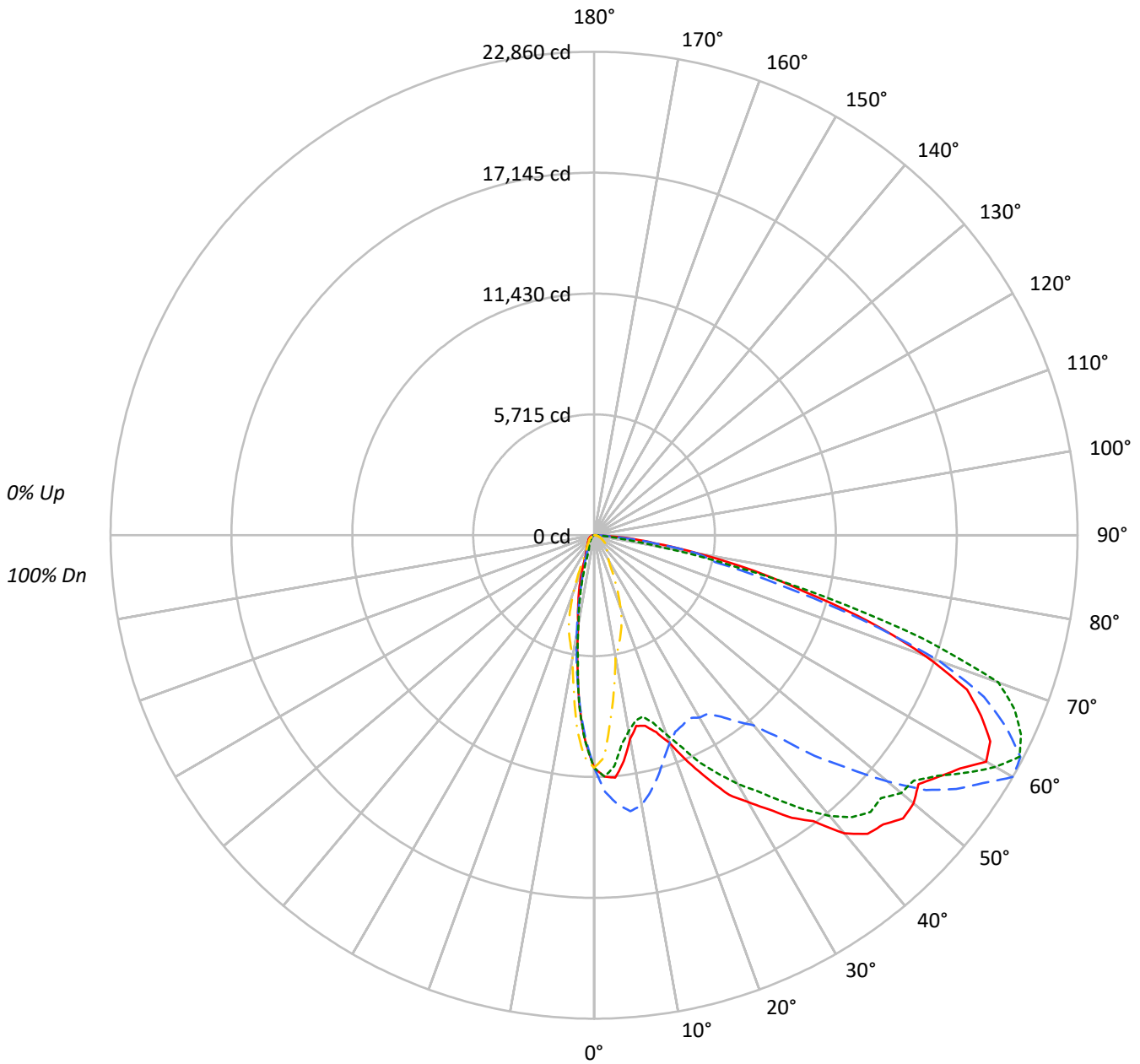
Lumens per Lamp: N/A
 Luminaire Lumens: 29236.4 lumens
 Efficiency: N/A
 Efficacy: 91.4 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 320
 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: P599483
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 59162 | 59162 | 59162 | 59162 |
| 5° | 62172 | 59177 | 43234 | 43486 |
| 10° | 53461 | 51413 | 23637 | 23082 |
| 15° | 51983 | 49417 | 15356 | 11571 |
| 20° | 59918 | 57414 | 8227 | 4114 |
| 25° | 75338 | 70471 | 5331 | 3199 |
| 30° | 90488 | 84326 | 4318 | 2620 |
| 35° | 107155 | 100539 | 3539 | 2103 |
| 40° | 129285 | 121715 | 3126 | 1591 |
| 45° | 147191 | 140774 | 2912 | 1069 |
| 50° | 165122 | 158716 | 2876 | 654 |
| 55° | 186732 | 186073 | 2857 | 293 |
| 60° | 230430 | 235892 | 2605 | 84 |
| 65° | 257112 | 283558 | 2387 | 0 |
| 70° | 262171 | 320035 | 2211 | 0 |
| 75° | 213324 | 236053 | 2111 | 0 |
| 80° | 155107 | 98727 | 2179 | 0 |
| 85° | 100278 | 41460 | 2890 | 0 |

TEST NUMBER: P599483
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 835.1 | 2.9 |
| 10°-20° | 1637.6 | 5.6 |
| 20°-30° | 2266.2 | 7.8 |
| 30°-40° | 3202.7 | 11.0 |
| 40°-50° | 4360.5 | 14.9 |
| 50°-60° | 5775.2 | 19.8 |
| 60°-70° | 6705.5 | 22.9 |
| 70°-80° | 3797.4 | 13.0 |
| 80°-90° | 656.1 | 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° | 4738.9 | 16.2 |
| 0°-40° | 7941.6 | 27.2 |
| 0°-60° | 18077.4 | 61.8 |
| 0°-90° | 29236.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 29236.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-------|-------|-------|-------|-------|-------|
| 0° | 10993 | 10993 | 10993 | 10993 | 10993 | |
| 5° | 11508 | 10954 | 8002 | 8049 | 11508 | 1033 |
| 15° | 9330 | 8869 | 2756 | 2077 | 9330 | 2736 |
| 25° | 12687 | 11867 | 898 | 539 | 12687 | 5917 |
| 35° | 16309 | 15302 | 539 | 320 | 16309 | 10282 |
| 45° | 19339 | 18496 | 383 | 140 | 19339 | 14993 |
| 55° | 19901 | 19830 | 304 | 31 | 19901 | 18030 |
| 65° | 20190 | 22266 | 187 | 0 | 20190 | 19681 |
| 75° | 10259 | 11352 | 102 | 0 | 10259 | 11196 |
| 85° | 1624 | 671 | 47 | 0 | 1624 | 1951 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

TEST NUMBER: P599483
 CATALOG NUMBER: IFLD-L-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 |
| 2.5° | 11422.1 | 11664.1 | 11671.9 | 11781.2 | 11890.5 | 11890.5 | 12148.1 | 12085.7 | 11859.3 | 11820.2 | 11656.3 |
| 5° | 11507.9 | 11593.8 | 11656.3 | 12210.6 | 12679.0 | 12632.2 | 12772.7 | 12679.0 | 12241.8 | 11679.7 | 11297.2 |
| 7.5° | 10766.3 | 10859.9 | 11109.8 | 12054.5 | 12686.8 | 12897.6 | 13163.1 | 12577.5 | 12116.9 | 11102.0 | 10368.1 |
| 10° | 9782.5 | 9962.1 | 10422.7 | 11500.1 | 12280.9 | 12952.3 | 12952.3 | 12483.9 | 11593.8 | 10602.3 | 9704.5 |
| 12.5° | 9236.0 | 9595.2 | 9845.0 | 10938.0 | 11953.0 | 12413.6 | 12398.0 | 12148.1 | 11570.4 | 10321.2 | 9306.3 |
| 15° | 9329.7 | 9431.2 | 9962.1 | 10813.1 | 11484.5 | 11461.1 | 11742.2 | 11664.1 | 11258.1 | 10571.1 | 9454.6 |
| 17.5° | 9759.1 | 9915.3 | 10375.9 | 10813.1 | 11133.2 | 11039.5 | 11031.7 | 11406.5 | 11429.9 | 10992.7 | 10008.9 |
| 20° | 10461.8 | 10922.4 | 11141.0 | 11273.7 | 10883.4 | 10485.2 | 10438.3 | 10961.4 | 11367.4 | 11531.4 | 10672.6 |
| 22.5° | 11586.0 | 11890.5 | 12335.5 | 11656.3 | 10641.3 | 10141.7 | 10048.0 | 10625.7 | 11445.5 | 12171.6 | 11531.4 |
| 25° | 12686.8 | 12921.1 | 13350.5 | 12476.1 | 10914.6 | 10071.4 | 9907.5 | 10407.1 | 11742.2 | 13061.6 | 12569.7 |
| 27.5° | 13850.1 | 14053.1 | 14100.0 | 13077.2 | 11062.9 | 9930.9 | 9735.7 | 10407.1 | 11992.0 | 13530.0 | 13811.1 |
| 30° | 14560.6 | 14802.6 | 14849.5 | 13608.1 | 11305.0 | 10048.0 | 9954.3 | 10454.0 | 12163.8 | 13928.2 | 14701.1 |
| 32.5° | 15356.9 | 15419.4 | 15380.4 | 13701.8 | 11570.4 | 10391.5 | 10001.1 | 10766.3 | 12358.9 | 14404.5 | 15513.1 |
| 35° | 16309.4 | 16418.7 | 16020.6 | 14131.2 | 12163.8 | 10610.1 | 10469.6 | 11148.8 | 12694.7 | 14623.1 | 16496.8 |
| 37.5° | 17035.5 | 17379.0 | 16481.2 | 14295.2 | 12280.9 | 11070.7 | 11094.2 | 11945.2 | 12928.9 | 14888.5 | 17582.0 |
| 40° | 18401.8 | 17824.0 | 17261.9 | 14857.3 | 12725.9 | 11851.5 | 11726.6 | 12764.9 | 13717.4 | 15060.3 | 18292.5 |
| 42.5° | 19151.3 | 18846.8 | 17566.4 | 14911.9 | 13412.9 | 12928.9 | 12960.1 | 13694.0 | 14131.2 | 15544.3 | 18487.7 |
| 45° | 19338.7 | 19018.6 | 17980.2 | 14951.0 | 14092.2 | 14201.5 | 14740.2 | 14880.7 | 14740.2 | 15864.4 | 18854.6 |
| 47.5° | 19814.9 | 19120.1 | 17933.3 | 15474.1 | 15193.0 | 15614.6 | 16301.6 | 16606.1 | 15567.7 | 15747.3 | 19026.4 |
| 50° | 19721.2 | 19323.0 | 17831.9 | 15692.7 | 16535.8 | 17652.3 | 18112.9 | 17988.0 | 16489.0 | 15505.3 | 18839.0 |
| 52.5° | 19330.9 | 18901.5 | 18144.1 | 16286.0 | 17792.8 | 19143.5 | 19783.7 | 19471.4 | 17308.8 | 16051.8 | 18714.1 |
| 55° | 19900.8 | 19572.9 | 18550.1 | 17090.2 | 18737.5 | 20455.1 | 20907.9 | 20673.7 | 18315.9 | 16559.3 | 19424.5 |
| 57.5° | 20517.6 | 20447.3 | 19651.0 | 18034.8 | 19853.9 | 21805.8 | 21805.8 | 21516.9 | 19190.3 | 17293.1 | 20478.5 |
| 60° | 21407.6 | 21563.7 | 20462.9 | 18659.4 | 20236.5 | 21727.7 | 22859.7 | 22524.0 | 20072.5 | 18581.4 | 21673.0 |
| 62.5° | 21118.7 | 21618.4 | 21509.1 | 20002.3 | 20673.7 | 22110.2 | 22727.0 | 22976.9 | 21165.6 | 20150.6 | 23265.7 |
| 65° | 20189.7 | 20720.6 | 21501.3 | 20884.5 | 20345.8 | 21181.2 | 21493.5 | 22250.8 | 21712.1 | 21626.2 | 23921.5 |
| 67.5° | 19081.0 | 19658.8 | 20142.8 | 21477.9 | 19682.2 | 20236.5 | 19963.2 | 20205.3 | 21118.7 | 23242.3 | 24296.3 |
| 70° | 16660.8 | 17215.1 | 17980.2 | 20158.4 | 17925.5 | 17425.9 | 17355.6 | 17238.5 | 18659.4 | 22664.6 | 22594.3 |
| 72.5° | 13701.8 | 13959.4 | 15224.2 | 16387.5 | 13264.6 | 13170.9 | 13280.2 | 13147.5 | 14794.8 | 20517.6 | 19354.3 |
| 75° | 10258.8 | 10516.4 | 11234.7 | 12585.4 | 9033.0 | 8494.3 | 9118.9 | 9735.7 | 11297.2 | 15926.9 | 13904.8 |
| 77.5° | 7713.6 | 8041.5 | 8494.3 | 9415.6 | 6628.4 | 5785.2 | 5871.1 | 6456.6 | 8166.4 | 12757.1 | 7791.7 |
| 80° | 5004.5 | 4965.4 | 5839.9 | 6480.1 | 4988.9 | 5145.0 | 4926.4 | 5355.8 | 5917.9 | 6823.6 | 3981.7 |
| 82.5° | 2888.7 | 2927.7 | 3294.7 | 3716.3 | 3474.2 | 3973.9 | 2865.3 | 4785.9 | 4223.7 | 2779.4 | 1483.4 |
| 85° | 1623.9 | 1694.2 | 2029.9 | 2576.4 | 2178.2 | 1460.0 | 1194.5 | 2373.4 | 2654.5 | 1139.9 | 718.3 |
| 87.5° | 164.0 | 140.5 | 273.3 | 975.9 | 593.4 | 242.0 | 359.1 | 569.9 | 640.2 | 429.4 | 210.8 |
| 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: P599483
 CATALOG NUMBER: IFLD-L-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 |
| 2.5° | 11422.1 | 11422.1 | 11226.9 | 10899.0 | 10766.3 | 10532.0 | 10211.9 | 10313.4 | 10204.1 | 9806.0 | 9704.5 |
| 5° | 10953.6 | 10578.9 | 10172.9 | 9673.2 | 9384.4 | 8791.0 | 8603.6 | 8267.9 | 8322.6 | 7986.9 | 8002.5 |
| 7.5° | 9977.7 | 9681.0 | 8994.0 | 8338.2 | 7768.3 | 7253.0 | 6526.9 | 6253.6 | 5988.2 | 5855.5 | 6011.6 |
| 10° | 9407.8 | 8853.5 | 7916.6 | 7057.8 | 6300.5 | 5839.9 | 5355.8 | 4981.1 | 4637.5 | 4379.9 | 4325.2 |
| 12.5° | 8994.0 | 8502.1 | 7370.1 | 6323.9 | 5730.6 | 5355.8 | 4910.8 | 4395.5 | 4059.8 | 3614.8 | 3482.1 |
| 15° | 8869.1 | 8267.9 | 7073.4 | 6035.0 | 5457.3 | 4840.5 | 4333.0 | 3825.6 | 3388.4 | 2919.9 | 2756.0 |
| 17.5° | 9298.5 | 8603.6 | 7065.6 | 5800.8 | 4988.9 | 4325.2 | 3622.6 | 3052.7 | 2607.6 | 2178.2 | 2076.7 |
| 20° | 10024.6 | 8962.8 | 7292.0 | 5660.3 | 4543.8 | 3653.8 | 2857.5 | 2287.5 | 1787.9 | 1506.8 | 1436.5 |
| 22.5° | 10852.1 | 9571.7 | 7315.4 | 5285.5 | 4098.8 | 2982.4 | 2084.5 | 1506.8 | 1225.7 | 1093.0 | 1054.0 |
| 25° | 11867.1 | 10547.7 | 7596.5 | 4981.1 | 3575.7 | 2264.1 | 1483.4 | 1155.5 | 991.5 | 913.5 | 897.8 |
| 27.5° | 12702.5 | 11226.9 | 7901.0 | 4661.0 | 3060.5 | 1678.6 | 1163.3 | 944.7 | 858.8 | 780.7 | 772.9 |
| 30° | 13569.1 | 12007.6 | 7986.9 | 4465.8 | 2615.4 | 1381.9 | 999.3 | 835.4 | 741.7 | 702.7 | 694.8 |
| 32.5° | 14326.4 | 12858.6 | 8260.1 | 4145.7 | 2193.8 | 1217.9 | 905.6 | 749.5 | 687.0 | 624.6 | 616.8 |
| 35° | 15302.3 | 13350.5 | 8392.8 | 3973.9 | 2037.7 | 1100.8 | 827.6 | 687.0 | 593.4 | 554.3 | 538.7 |
| 37.5° | 16348.5 | 13826.7 | 8478.7 | 3841.2 | 1905.0 | 1030.6 | 780.7 | 648.0 | 562.1 | 507.5 | 491.9 |
| 40° | 17324.4 | 14498.1 | 8353.8 | 3677.2 | 1803.5 | 944.7 | 749.5 | 601.2 | 523.1 | 468.4 | 445.0 |
| 42.5° | 18073.9 | 15154.0 | 8314.8 | 3521.1 | 1694.2 | 913.5 | 710.5 | 577.7 | 491.9 | 429.4 | 421.6 |
| 45° | 18495.5 | 15599.0 | 8041.5 | 3396.2 | 1608.3 | 929.1 | 694.8 | 546.5 | 468.4 | 413.8 | 382.6 |
| 47.5° | 18394.0 | 15942.5 | 8111.8 | 3357.1 | 1491.2 | 866.6 | 687.0 | 523.1 | 429.4 | 382.6 | 359.1 |
| 50° | 18956.1 | 16637.3 | 7994.7 | 3232.2 | 1405.3 | 780.7 | 749.5 | 523.1 | 421.6 | 366.9 | 343.5 |
| 52.5° | 19049.8 | 17269.7 | 8244.5 | 3005.8 | 1272.6 | 718.3 | 741.7 | 515.3 | 406.0 | 351.3 | 320.1 |
| 55° | 19830.5 | 18003.6 | 8728.6 | 2880.9 | 1163.3 | 624.6 | 679.2 | 499.7 | 366.9 | 320.1 | 304.5 |
| 57.5° | 20892.3 | 19526.0 | 9040.8 | 2763.8 | 1014.9 | 546.5 | 569.9 | 491.9 | 335.7 | 296.7 | 273.3 |
| 60° | 21915.1 | 20135.0 | 9064.3 | 2553.0 | 874.4 | 491.9 | 445.0 | 491.9 | 312.3 | 265.4 | 242.0 |
| 62.5° | 22680.2 | 20135.0 | 8908.1 | 2373.4 | 765.1 | 437.2 | 390.4 | 468.4 | 281.1 | 234.2 | 218.6 |
| 65° | 22266.4 | 19596.3 | 8502.1 | 2225.1 | 694.8 | 382.6 | 335.7 | 359.1 | 249.8 | 203.0 | 187.4 |
| 67.5° | 21524.7 | 17917.7 | 7604.3 | 2045.5 | 687.0 | 335.7 | 288.9 | 265.4 | 218.6 | 179.6 | 164.0 |
| 70° | 20338.0 | 15653.6 | 6331.7 | 1842.5 | 671.4 | 304.5 | 257.6 | 226.4 | 195.2 | 156.1 | 140.5 |
| 72.5° | 16387.5 | 12928.9 | 5199.7 | 1725.4 | 655.8 | 265.4 | 218.6 | 195.2 | 164.0 | 132.7 | 117.1 |
| 75° | 11351.8 | 8260.1 | 4005.1 | 1475.6 | 640.2 | 242.0 | 203.0 | 171.8 | 140.5 | 109.3 | 101.5 |
| 77.5° | 6808.0 | 5519.8 | 2584.2 | 1108.6 | 421.6 | 195.2 | 171.8 | 132.7 | 117.1 | 93.7 | 85.9 |
| 80° | 3185.4 | 2607.6 | 1046.2 | 429.4 | 203.0 | 140.5 | 117.1 | 101.5 | 93.7 | 78.1 | 70.3 |
| 82.5° | 1249.2 | 1100.8 | 507.5 | 249.8 | 164.0 | 109.3 | 93.7 | 85.9 | 78.1 | 62.5 | 54.7 |
| 85° | 671.4 | 593.4 | 242.0 | 171.8 | 117.1 | 78.1 | 78.1 | 70.3 | 62.5 | 54.7 | 46.8 |
| 87.5° | 148.3 | 109.3 | 101.5 | 101.5 | 85.9 | 62.5 | 62.5 | 54.7 | 46.8 | 39.0 | 31.2 |
| 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: P599483
 CATALOG NUMBER: IFLD-L-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 |
| 2.5° | 9649.8 | 9766.9 | 9579.5 | 9696.7 | 9532.7 | 9657.6 | 9673.2 | 9556.1 | 9587.4 | 9743.5 | 9813.8 |
| 5° | 8221.1 | 8143.0 | 7971.2 | 7916.6 | 7924.4 | 7822.9 | 7861.9 | 7916.6 | 8002.5 | 8049.3 | 8189.8 |
| 7.5° | 5925.7 | 6105.3 | 6097.5 | 6230.2 | 6238.0 | 6222.4 | 6113.1 | 5878.9 | 5957.0 | 5894.5 | 5972.6 |
| 10° | 4239.4 | 4317.4 | 4465.8 | 4551.7 | 4707.8 | 4621.9 | 4372.1 | 4278.4 | 4231.6 | 4223.7 | 4301.8 |
| 12.5° | 3388.4 | 3201.0 | 3185.4 | 3216.6 | 3294.7 | 3193.2 | 3068.3 | 2959.0 | 3013.6 | 3122.9 | 3208.8 |
| 15° | 2623.2 | 2467.1 | 2264.1 | 2232.9 | 2248.5 | 2201.7 | 2068.9 | 1928.4 | 1967.4 | 2076.7 | 2139.2 |
| 17.5° | 2014.3 | 1834.7 | 1694.2 | 1600.5 | 1569.3 | 1405.3 | 1210.1 | 1093.0 | 1061.8 | 1054.0 | 1108.6 |
| 20° | 1358.5 | 1327.2 | 1303.8 | 1186.7 | 1186.7 | 952.5 | 788.5 | 702.7 | 702.7 | 718.3 | 726.1 |
| 22.5° | 1014.9 | 975.9 | 983.7 | 960.3 | 897.8 | 710.5 | 624.6 | 601.2 | 601.2 | 616.8 | 616.8 |
| 25° | 882.2 | 827.6 | 812.0 | 804.2 | 741.7 | 609.0 | 546.5 | 523.1 | 523.1 | 538.7 | 538.7 |
| 27.5° | 749.5 | 733.9 | 710.5 | 679.2 | 624.6 | 523.1 | 484.1 | 460.6 | 468.4 | 476.2 | 468.4 |
| 30° | 687.0 | 648.0 | 616.8 | 616.8 | 554.3 | 468.4 | 437.2 | 421.6 | 406.0 | 421.6 | 429.4 |
| 32.5° | 609.0 | 585.5 | 569.9 | 546.5 | 476.2 | 413.8 | 382.6 | 366.9 | 359.1 | 359.1 | 366.9 |
| 35° | 523.1 | 523.1 | 507.5 | 476.2 | 413.8 | 374.7 | 335.7 | 320.1 | 312.3 | 320.1 | 320.1 |
| 37.5° | 468.4 | 445.0 | 452.8 | 421.6 | 366.9 | 327.9 | 288.9 | 273.3 | 273.3 | 265.4 | 273.3 |
| 40° | 437.2 | 398.2 | 374.7 | 359.1 | 327.9 | 281.1 | 249.8 | 234.2 | 226.4 | 226.4 | 226.4 |
| 42.5° | 390.4 | 359.1 | 312.3 | 304.5 | 296.7 | 242.0 | 203.0 | 195.2 | 187.4 | 179.6 | 179.6 |
| 45° | 366.9 | 320.1 | 281.1 | 242.0 | 242.0 | 203.0 | 171.8 | 156.1 | 148.3 | 140.5 | 148.3 |
| 47.5° | 335.7 | 288.9 | 242.0 | 203.0 | 195.2 | 164.0 | 132.7 | 117.1 | 109.3 | 109.3 | 109.3 |
| 50° | 320.1 | 257.6 | 210.8 | 171.8 | 148.3 | 132.7 | 101.5 | 85.9 | 78.1 | 78.1 | 78.1 |
| 52.5° | 296.7 | 242.0 | 187.4 | 148.3 | 117.1 | 101.5 | 78.1 | 62.5 | 54.7 | 54.7 | 54.7 |
| 55° | 265.4 | 218.6 | 164.0 | 124.9 | 101.5 | 78.1 | 54.7 | 39.0 | 31.2 | 31.2 | 31.2 |
| 57.5° | 249.8 | 195.2 | 140.5 | 109.3 | 78.1 | 54.7 | 31.2 | 23.4 | 23.4 | 15.6 | 23.4 |
| 60° | 226.4 | 171.8 | 117.1 | 85.9 | 62.5 | 39.0 | 23.4 | 7.8 | 7.8 | 7.8 | 7.8 |
| 62.5° | 195.2 | 148.3 | 101.5 | 70.3 | 46.8 | 23.4 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 164.0 | 117.1 | 78.1 | 54.7 | 31.2 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 140.5 | 101.5 | 62.5 | 39.0 | 23.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 124.9 | 85.9 | 46.8 | 31.2 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 101.5 | 70.3 | 39.0 | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 85.9 | 54.7 | 23.4 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 70.3 | 39.0 | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 54.7 | 31.2 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 46.8 | 23.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 31.2 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 23.4 | 7.8 | 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: P599483
 CATALOG NUMBER: IFLD-L-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 | 10992.7 |
| 2.5° | 9915.3 | 9868.4 | 10102.6 | 10485.2 | 10680.4 | 11062.9 | 11156.6 | 11398.6 | 11336.2 | 11422.1 |
| 5° | 8205.5 | 8299.2 | 8642.7 | 9204.8 | 9407.8 | 9962.1 | 10485.2 | 11008.3 | 11344.0 | 11507.9 |
| 7.5° | 6089.7 | 6402.0 | 6823.6 | 7338.9 | 7861.9 | 8588.0 | 9478.1 | 10087.0 | 10414.9 | 10766.3 |
| 10° | 4536.0 | 4871.7 | 5355.8 | 5863.3 | 6714.3 | 7526.2 | 8416.3 | 9173.6 | 9454.6 | 9782.5 |
| 12.5° | 3567.9 | 4091.0 | 4653.1 | 5199.7 | 5707.1 | 6480.1 | 7580.9 | 8681.7 | 8986.2 | 9236.0 |
| 15° | 2482.7 | 3122.9 | 3927.1 | 4637.5 | 5348.0 | 6019.4 | 7159.3 | 8494.3 | 8908.1 | 9329.7 |
| 17.5° | 1374.1 | 1881.6 | 2802.8 | 3802.2 | 4848.3 | 5878.9 | 7299.8 | 8837.9 | 9462.4 | 9759.1 |
| 20° | 796.3 | 999.3 | 1655.1 | 2841.9 | 4223.7 | 5574.4 | 7370.1 | 9485.9 | 10313.4 | 10461.8 |
| 22.5° | 655.8 | 726.1 | 936.9 | 1780.1 | 3458.6 | 5379.2 | 7729.2 | 10391.5 | 11234.7 | 11586.0 |
| 25° | 562.1 | 616.8 | 726.1 | 1069.6 | 2615.4 | 4965.4 | 7955.6 | 11523.6 | 12304.3 | 12686.8 |
| 27.5° | 499.7 | 554.3 | 640.2 | 788.5 | 1780.1 | 4395.5 | 8330.4 | 12546.3 | 13327.0 | 13850.1 |
| 30° | 437.2 | 484.1 | 569.9 | 671.4 | 1233.6 | 3755.3 | 8650.5 | 13295.8 | 14396.6 | 14560.6 |
| 32.5° | 390.4 | 429.4 | 491.9 | 577.7 | 913.5 | 2849.7 | 8908.1 | 14068.7 | 14997.8 | 15356.9 |
| 35° | 335.7 | 382.6 | 421.6 | 491.9 | 694.8 | 2147.0 | 8752.0 | 14669.9 | 15880.0 | 16309.4 |
| 37.5° | 296.7 | 327.9 | 366.9 | 413.8 | 585.5 | 1678.6 | 8431.9 | 15388.2 | 16637.3 | 17035.5 |
| 40° | 249.8 | 273.3 | 320.1 | 366.9 | 530.9 | 1296.0 | 8064.9 | 16254.8 | 17699.1 | 18401.8 |
| 42.5° | 210.8 | 234.2 | 265.4 | 343.5 | 437.2 | 960.3 | 7323.2 | 16926.2 | 18557.9 | 19151.3 |
| 45° | 164.0 | 195.2 | 242.0 | 343.5 | 351.3 | 710.5 | 6558.1 | 17425.9 | 19042.0 | 19338.7 |
| 47.5° | 124.9 | 156.1 | 234.2 | 296.7 | 281.1 | 491.9 | 5652.5 | 17995.8 | 19541.6 | 19814.9 |
| 50° | 93.7 | 124.9 | 265.4 | 257.6 | 234.2 | 374.7 | 5082.5 | 18394.0 | 19572.9 | 19721.2 |
| 52.5° | 62.5 | 93.7 | 218.6 | 195.2 | 195.2 | 327.9 | 4926.4 | 18378.4 | 19651.0 | 19330.9 |
| 55° | 46.8 | 70.3 | 124.9 | 140.5 | 171.8 | 288.9 | 4785.9 | 18963.9 | 19674.4 | 19900.8 |
| 57.5° | 31.2 | 54.7 | 85.9 | 109.3 | 148.3 | 249.8 | 4497.0 | 19666.6 | 20400.5 | 20517.6 |
| 60° | 15.6 | 39.0 | 62.5 | 85.9 | 124.9 | 218.6 | 4091.0 | 20181.8 | 21282.7 | 21407.6 |
| 62.5° | 7.8 | 23.4 | 46.8 | 70.3 | 101.5 | 171.8 | 3669.4 | 19362.1 | 20900.1 | 21118.7 |
| 65° | 0.0 | 15.6 | 31.2 | 46.8 | 62.5 | 124.9 | 2982.4 | 17480.5 | 19385.5 | 20189.7 |
| 67.5° | 0.0 | 0.0 | 15.6 | 31.2 | 39.0 | 93.7 | 2248.5 | 15903.5 | 17988.0 | 19081.0 |
| 70° | 0.0 | 0.0 | 7.8 | 7.8 | 23.4 | 70.3 | 1436.5 | 13170.9 | 16059.6 | 16660.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 46.8 | 835.4 | 9782.5 | 12585.4 | 13701.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.0 | 421.6 | 6292.7 | 8759.8 | 10258.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.2 | 226.4 | 4059.8 | 6456.6 | 7713.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 132.7 | 2357.8 | 4130.1 | 5004.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.7 | 1155.5 | 2467.1 | 2888.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.6 | 616.8 | 1233.6 | 1623.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.4 | 85.9 | 164.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)