

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: P599030

Luminaire Tested: **IFLD-S-SA3D-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599030  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3D-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (48) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

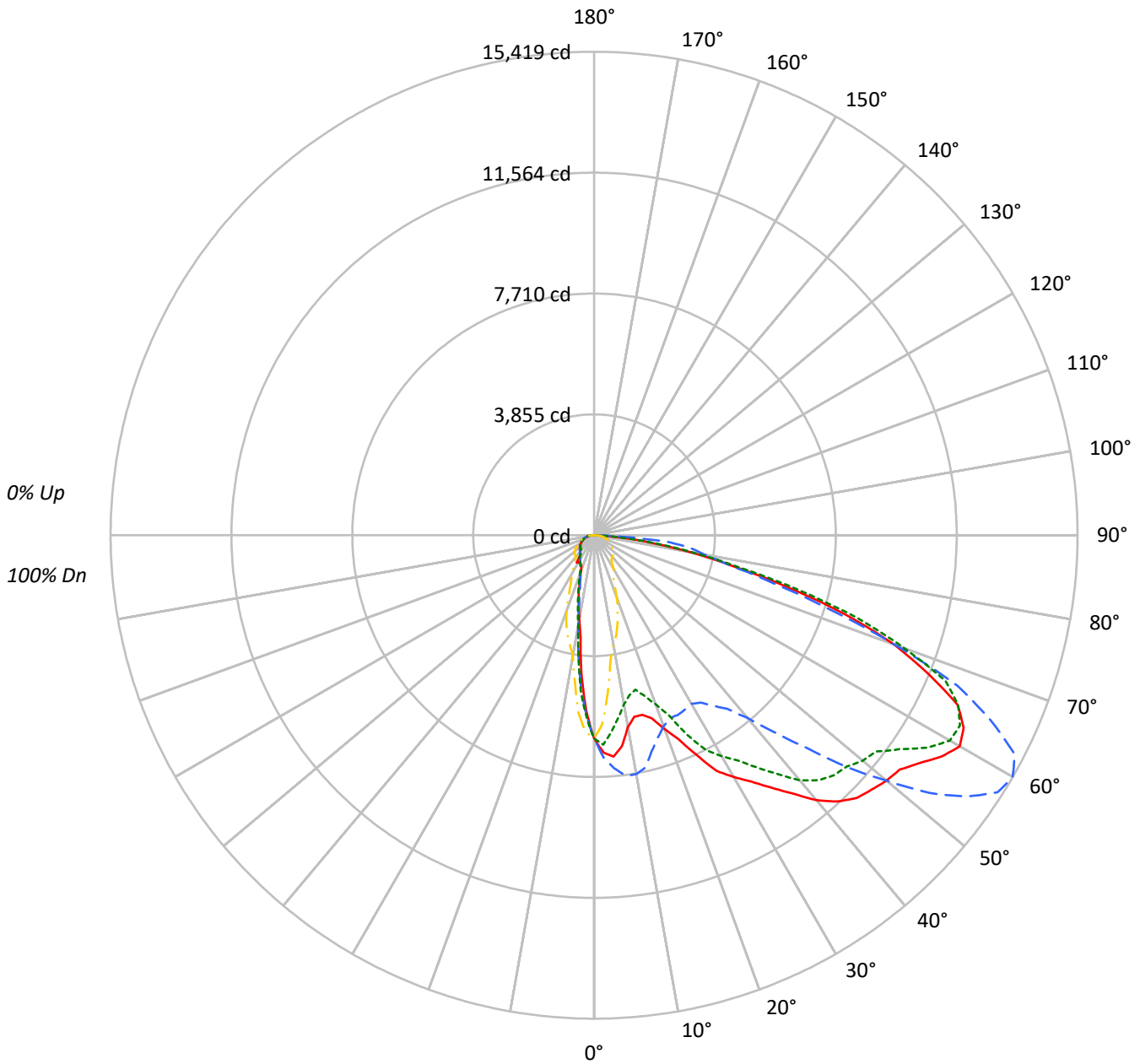
Lumens per Lamp: N/A  
 Luminaire Lumens: 20279.0 lumens  
 Efficiency: N/A  
 Efficacy: 110.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 184.1  
 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°

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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°  | 92957  | 92957  | 92957 | 92957 |
| 5°  | 102125 | 90720  | 65059 | 71021 |
| 10° | 90458  | 79840  | 39460 | 42346 |
| 15° | 88084  | 75786  | 27935 | 29005 |
| 20° | 100435 | 87656  | 18273 | 20197 |
| 25° | 122368 | 111115 | 15954 | 16524 |
| 30° | 147441 | 134768 | 16547 | 15356 |
| 35° | 171954 | 158241 | 13711 | 12925 |
| 40° | 206627 | 191122 | 12809 | 12135 |
| 45° | 240464 | 219650 | 12963 | 12050 |
| 50° | 271758 | 249662 | 13256 | 12452 |
| 55° | 316928 | 297571 | 13729 | 13056 |
| 60° | 386548 | 375959 | 13686 | 13686 |
| 65° | 434413 | 435024 | 14052 | 14664 |
| 70° | 426935 | 442033 | 14720 | 15098 |
| 75° | 352178 | 375622 | 15465 | 16464 |
| 80° | 254279 | 266916 | 17100 | 17844 |
| 85° | 140726 | 151101 | 19250 | 23696 |

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 503.2   | 2.5       |
| 10°-20°   | 1062.4  | 5.2       |
| 20°-30°   | 1554.4  | 7.7       |
| 30°-40°   | 2190.0  | 10.8      |
| 40°-50°   | 3009.7  | 14.8      |
| 50°-60°   | 4101.9  | 20.2      |
| 60°-70°   | 4489.4  | 22.1      |
| 70°-80°   | 2591.9  | 12.8      |
| 80°-90°   | 776.2   | 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°    | 3119.9  | 15.4      |
| 0°-40°    | 5309.9  | 26.2      |
| 0°-60°    | 12421.6 | 61.3      |
| 0°-90°    | 20279.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 20279.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 90°   | 180° | 270° | 360°  | Flux  |
|-----|-------|-------|------|------|-------|-------|
| 0°  | 6477  | 6477  | 6477 | 6477 | 6477  |       |
| 5°  | 7089  | 6297  | 4516 | 4930 | 7089  | 644   |
| 15° | 5928  | 5101  | 1880 | 1952 | 5928  | 1732  |
| 25° | 7727  | 7017  | 1008 | 1044 | 7727  | 3618  |
| 35° | 9814  | 9032  | 783  | 738  | 9814  | 6223  |
| 45° | 11848 | 10822 | 639  | 594  | 11848 | 9106  |
| 55° | 12666 | 11892 | 549  | 522  | 12666 | 11429 |
| 65° | 12792 | 12810 | 414  | 432  | 12792 | 12243 |
| 75° | 6351  | 6774  | 279  | 297  | 6351  | 6822  |
| 85° | 855   | 918   | 117  | 144  | 855   | 1186  |
| 90° | 0     | 0     | 0    | 0    | 0     |       |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  | 6477.0  |
| 2.5°  | 6935.8  | 6908.8  | 6935.8  | 7034.7  | 7061.7  | 7106.7  | 7106.7  | 7043.7  | 6926.8  | 6872.8  | 6782.9  |
| 5°    | 7088.7  | 7043.7  | 7268.6  | 7475.5  | 7637.5  | 7619.5  | 7466.5  | 7340.6  | 7106.7  | 6755.9  | 6423.0  |
| 7.5°  | 6782.9  | 6827.8  | 6989.8  | 7529.5  | 7907.3  | 7979.3  | 7736.4  | 7484.5  | 6980.8  | 6495.0  | 6045.2  |
| 10°   | 6207.1  | 6270.1  | 6620.9  | 7178.7  | 7772.4  | 7889.4  | 7736.4  | 7430.6  | 6827.8  | 6225.1  | 5703.4  |
| 12.5° | 5928.3  | 6072.2  | 6279.1  | 6953.8  | 7376.6  | 7655.5  | 7583.5  | 7385.6  | 6710.9  | 6000.2  | 5496.5  |
| 15°   | 5928.3  | 5964.2  | 6270.1  | 6836.8  | 7079.7  | 7088.7  | 7115.7  | 7151.7  | 6746.9  | 6099.2  | 5424.5  |
| 17.5° | 6117.2  | 6216.1  | 6477.0  | 6827.8  | 6872.8  | 6764.9  | 6764.9  | 6917.8  | 6818.8  | 6378.1  | 5685.4  |
| 20°   | 6576.0  | 6540.0  | 6881.8  | 7025.8  | 6782.9  | 6513.0  | 6486.0  | 6746.9  | 6899.8  | 6674.9  | 6162.2  |
| 22.5° | 7034.7  | 7196.7  | 7475.5  | 7151.7  | 6701.9  | 6342.1  | 6306.1  | 6629.9  | 7142.7  | 7187.7  | 6710.9  |
| 25°   | 7727.4  | 7889.4  | 8033.3  | 7637.5  | 6692.9  | 6297.1  | 6324.1  | 6576.0  | 7439.6  | 7916.3  | 7628.5  |
| 27.5° | 8474.1  | 8573.0  | 8779.9  | 8168.2  | 6908.8  | 6243.1  | 6270.1  | 6647.9  | 7718.4  | 8393.1  | 8348.1  |
| 30°   | 8896.9  | 9004.8  | 8959.9  | 8267.2  | 7052.7  | 6279.1  | 6207.1  | 6746.9  | 7565.5  | 8393.1  | 8815.9  |
| 32.5° | 9310.7  | 9247.7  | 9220.7  | 8429.1  | 7232.7  | 6504.0  | 6324.1  | 6953.8  | 7655.5  | 8528.1  | 9418.6  |
| 35°   | 9814.5  | 9724.5  | 9652.5  | 8744.0  | 7529.5  | 6719.9  | 6638.9  | 7223.7  | 7853.4  | 8806.9  | 9904.4  |
| 37.5° | 10372.2 | 10372.2 | 10021.4 | 8977.8  | 7880.4  | 7070.7  | 6980.8  | 7610.5  | 8168.2  | 8977.8  | 10570.1 |
| 40°   | 11028.9 | 11055.9 | 10435.2 | 9292.7  | 8276.2  | 7628.5  | 7601.5  | 8114.2  | 8474.1  | 9229.7  | 11208.8 |
| 42.5° | 11514.7 | 11532.7 | 10795.0 | 9409.6  | 8735.0  | 8402.1  | 8519.1  | 8923.9  | 8824.9  | 9454.6  | 11253.8 |
| 45°   | 11847.5 | 11757.6 | 11046.9 | 9742.5  | 9238.7  | 9562.6  | 9598.6  | 9715.5  | 9283.7  | 9589.6  | 11433.7 |
| 47.5° | 12009.4 | 11991.5 | 11154.8 | 10129.3 | 10300.2 | 10741.0 | 10947.9 | 10786.0 | 9706.5  | 9445.6  | 11433.7 |
| 50°   | 12171.4 | 12018.4 | 11253.8 | 10660.1 | 11334.8 | 12225.3 | 12180.4 | 11883.5 | 10291.2 | 9625.5  | 11262.8 |
| 52.5° | 12279.3 | 12144.4 | 11451.7 | 11136.9 | 12324.3 | 13331.8 | 13511.8 | 12963.0 | 10974.9 | 9958.4  | 11343.8 |
| 55°   | 12666.1 | 12558.2 | 12045.4 | 11784.6 | 13466.8 | 14501.3 | 14528.3 | 13763.6 | 11694.6 | 10507.1 | 11874.5 |
| 57.5° | 13133.9 | 13196.9 | 12864.1 | 12702.1 | 14339.4 | 15355.9 | 15256.9 | 14357.4 | 12306.3 | 11172.8 | 12486.2 |
| 60°   | 13466.8 | 13565.7 | 13484.8 | 13502.8 | 14771.2 | 15643.8 | 15418.9 | 14726.2 | 12756.1 | 11676.6 | 13232.9 |
| 62.5° | 13286.9 | 13484.8 | 13817.6 | 13745.6 | 14789.2 | 15436.9 | 15122.0 | 14240.4 | 12810.1 | 12333.3 | 13799.6 |
| 65°   | 12792.1 | 12810.1 | 13457.8 | 13853.6 | 13979.5 | 14366.4 | 13952.5 | 13223.9 | 12252.3 | 12738.1 | 13718.7 |
| 67.5° | 11523.7 | 11667.6 | 12252.3 | 13026.0 | 12495.2 | 12585.2 | 12549.2 | 11496.7 | 11406.7 | 12459.2 | 13097.9 |
| 70°   | 10174.3 | 10273.3 | 10912.0 | 11820.5 | 10552.1 | 10129.3 | 10210.3 | 9427.6  | 9796.5  | 11595.6 | 11847.5 |
| 72.5° | 8411.1  | 8474.1  | 9202.7  | 10003.4 | 8465.1  | 7709.4  | 7898.3  | 7259.6  | 7781.4  | 10147.3 | 9994.4  |
| 75°   | 6351.1  | 6468.0  | 7034.7  | 7979.3  | 6234.1  | 5748.3  | 5937.3  | 5676.4  | 6162.2  | 8357.1  | 7754.4  |
| 77.5° | 4515.9  | 4426.0  | 5127.6  | 6243.1  | 4686.8  | 4399.0  | 4417.0  | 4461.9  | 4983.7  | 7043.7  | 5568.4  |
| 80°   | 3076.6  | 3103.6  | 3733.3  | 4578.9  | 3679.3  | 3634.3  | 3589.3  | 3949.2  | 4183.1  | 5577.4  | 4048.1  |
| 82.5° | 1826.2  | 1826.2  | 2518.8  | 3256.5  | 2905.7  | 3274.5  | 3067.6  | 3391.4  | 3274.5  | 4102.1  | 2653.8  |
| 85°   | 854.6   | 854.6   | 1295.4  | 2347.9  | 2249.0  | 2698.8  | 2293.9  | 2563.8  | 2419.9  | 2860.7  | 1196.4  |
| 87.5° | 143.9   | 125.9   | 260.9   | 1151.5  | 926.6   | 1052.5  | 413.8   | 1367.4  | 1520.3  | 1997.1  | 296.9   |
| 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°    | 6477.0  | 6477.0  | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 |
| 2.5°  | 6683.9  | 6620.9  | 6495.0 | 6333.1 | 6198.1 | 6027.2 | 5973.2 | 5856.3 | 5694.4 | 5676.4 | 5604.4 |
| 5°    | 6297.1  | 6081.2  | 5811.3 | 5478.5 | 5253.6 | 5019.7 | 4821.8 | 4704.8 | 4569.9 | 4551.9 | 4515.9 |
| 7.5°  | 5874.3  | 5604.4  | 5154.6 | 4758.8 | 4372.0 | 4003.1 | 3823.2 | 3598.3 | 3445.4 | 3328.5 | 3274.5 |
| 10°   | 5478.5  | 5226.6  | 4668.8 | 4129.1 | 3787.2 | 3544.4 | 3328.5 | 3094.6 | 2905.7 | 2761.7 | 2707.7 |
| 12.5° | 5217.6  | 4920.7  | 4318.0 | 3805.2 | 3553.4 | 3274.5 | 3031.6 | 2779.7 | 2536.8 | 2347.9 | 2249.0 |
| 15°   | 5100.6  | 4821.8  | 4210.1 | 3643.3 | 3274.5 | 2887.7 | 2608.8 | 2356.9 | 2060.0 | 1925.1 | 1880.1 |
| 17.5° | 5379.5  | 4965.7  | 4174.1 | 3454.4 | 2932.6 | 2491.8 | 2150.0 | 1880.1 | 1664.2 | 1529.3 | 1475.3 |
| 20°   | 5739.3  | 5226.6  | 4237.0 | 3229.5 | 2608.8 | 2114.0 | 1736.2 | 1448.3 | 1304.4 | 1205.4 | 1196.4 |
| 22.5° | 6198.1  | 5613.4  | 4336.0 | 3067.6 | 2249.0 | 1700.2 | 1358.4 | 1187.5 | 1088.5 | 1079.5 | 1061.5 |
| 25°   | 7016.8  | 6315.1  | 4497.9 | 2851.7 | 1961.1 | 1403.4 | 1160.5 | 1061.5 | 1016.5 | 989.5  | 1007.5 |
| 27.5° | 7718.4  | 6773.9  | 4614.9 | 2716.7 | 1844.1 | 1322.4 | 1124.5 | 1016.5 | 971.6  | 962.6  | 971.6  |
| 30°   | 8132.2  | 7196.7  | 4578.9 | 2464.9 | 1610.3 | 1259.4 | 1196.4 | 1160.5 | 1070.5 | 998.5  | 998.5  |
| 32.5° | 8510.1  | 7466.5  | 4569.9 | 2240.0 | 1376.4 | 1052.5 | 998.5  | 971.6  | 1025.5 | 1061.5 | 1034.5 |
| 35°   | 9031.8  | 7889.4  | 4542.9 | 2114.0 | 1277.4 | 971.6  | 881.6  | 809.6  | 773.6  | 755.7  | 782.6  |
| 37.5° | 9589.6  | 8177.2  | 4470.9 | 2096.0 | 1223.4 | 926.6  | 854.6  | 782.6  | 746.7  | 728.7  | 719.7  |
| 40°   | 10201.3 | 8483.1  | 4390.0 | 2006.1 | 1196.4 | 899.6  | 827.6  | 764.6  | 719.7  | 692.7  | 683.7  |
| 42.5° | 10597.1 | 8726.0  | 4309.0 | 1961.1 | 1142.5 | 881.6  | 800.6  | 746.7  | 701.7  | 665.7  | 665.7  |
| 45°   | 10822.0 | 9013.8  | 4228.0 | 1916.1 | 1079.5 | 890.6  | 800.6  | 728.7  | 674.7  | 656.7  | 638.7  |
| 47.5° | 10921.0 | 9229.7  | 4201.1 | 1844.1 | 1025.5 | 854.6  | 782.6  | 710.7  | 656.7  | 620.7  | 611.7  |
| 50°   | 11181.8 | 9688.5  | 4300.0 | 1790.2 | 962.6  | 818.6  | 827.6  | 701.7  | 647.7  | 602.7  | 593.7  |
| 52.5° | 11334.8 | 10057.3 | 4515.9 | 1709.2 | 917.6  | 773.6  | 809.6  | 683.7  | 620.7  | 575.7  | 575.7  |
| 55°   | 11892.5 | 10669.1 | 4749.8 | 1646.2 | 863.6  | 710.7  | 746.7  | 647.7  | 575.7  | 548.7  | 548.7  |
| 57.5° | 12603.2 | 11316.8 | 4947.7 | 1619.3 | 827.6  | 665.7  | 665.7  | 629.7  | 548.7  | 512.8  | 503.8  |
| 60°   | 13097.9 | 11847.5 | 5064.7 | 1601.3 | 791.6  | 620.7  | 593.7  | 629.7  | 521.8  | 485.8  | 476.8  |
| 62.5° | 13151.9 | 11541.7 | 4947.7 | 1592.3 | 782.6  | 575.7  | 539.8  | 602.7  | 494.8  | 458.8  | 440.8  |
| 65°   | 12810.1 | 10921.0 | 4623.9 | 1556.3 | 773.6  | 530.8  | 503.8  | 521.8  | 458.8  | 431.8  | 413.8  |
| 67.5° | 12126.4 | 9913.4  | 4156.1 | 1538.3 | 764.6  | 494.8  | 458.8  | 449.8  | 422.8  | 395.8  | 377.8  |
| 70°   | 10534.1 | 8600.0  | 3607.3 | 1457.3 | 746.7  | 467.8  | 413.8  | 404.8  | 377.8  | 359.8  | 350.8  |
| 72.5° | 8842.9  | 7034.7  | 2977.6 | 1349.4 | 710.7  | 422.8  | 377.8  | 359.8  | 350.8  | 323.9  | 314.9  |
| 75°   | 6773.9  | 5415.5  | 2383.9 | 1196.4 | 620.7  | 377.8  | 332.8  | 314.9  | 305.9  | 287.9  | 278.9  |
| 77.5° | 4758.8  | 4030.1  | 1763.2 | 971.6  | 521.8  | 341.8  | 296.9  | 278.9  | 269.9  | 242.9  | 242.9  |
| 80°   | 3229.5  | 2824.7  | 1196.4 | 674.7  | 404.8  | 278.9  | 260.9  | 242.9  | 224.9  | 206.9  | 206.9  |
| 82.5° | 2006.1  | 1979.1  | 863.6  | 440.8  | 296.9  | 224.9  | 206.9  | 206.9  | 179.9  | 161.9  | 161.9  |
| 85°   | 917.6   | 1214.4  | 602.7  | 305.9  | 224.9  | 170.9  | 170.9  | 161.9  | 143.9  | 116.9  | 116.9  |
| 87.5° | 287.9   | 404.8   | 314.9  | 134.9  | 125.9  | 99.0   | 99.0   | 90.0   | 90.0   | 72.0   | 72.0   |
| 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: P599030  
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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 |
| 2.5°  | 5676.4 | 5667.4 | 5667.4 | 5631.4 | 5721.4 | 5721.4 | 5775.3 | 5730.4 | 5757.3 | 5766.3 | 5838.3 |
| 5°    | 4506.9 | 4578.9 | 4632.9 | 4740.8 | 4803.8 | 4830.8 | 4830.8 | 4902.7 | 4875.7 | 4929.7 | 5037.7 |
| 7.5°  | 3301.5 | 3391.4 | 3553.4 | 3688.3 | 3796.2 | 3832.2 | 3823.2 | 3841.2 | 3868.2 | 3805.2 | 3823.2 |
| 10°   | 2671.8 | 2608.8 | 2662.8 | 2788.7 | 2887.7 | 3004.6 | 2914.7 | 2905.7 | 2932.6 | 2905.7 | 2959.6 |
| 12.5° | 2231.0 | 2159.0 | 2114.0 | 2114.0 | 2186.0 | 2240.0 | 2213.0 | 2258.0 | 2356.9 | 2383.9 | 2446.9 |
| 15°   | 1808.2 | 1745.2 | 1709.2 | 1664.2 | 1736.2 | 1754.2 | 1781.2 | 1844.1 | 1916.1 | 1952.1 | 2024.1 |
| 17.5° | 1448.3 | 1448.3 | 1448.3 | 1412.3 | 1439.3 | 1466.3 | 1475.3 | 1556.3 | 1565.3 | 1601.3 | 1628.2 |
| 20°   | 1187.5 | 1214.4 | 1259.4 | 1277.4 | 1304.4 | 1304.4 | 1286.4 | 1331.4 | 1295.4 | 1322.4 | 1340.4 |
| 22.5° | 1070.5 | 1106.5 | 1124.5 | 1133.5 | 1169.5 | 1178.5 | 1133.5 | 1142.5 | 1151.5 | 1124.5 | 1133.5 |
| 25°   | 1007.5 | 1025.5 | 1007.5 | 1016.5 | 1025.5 | 1007.5 | 1016.5 | 1034.5 | 1025.5 | 1043.5 | 1034.5 |
| 27.5° | 980.5  | 962.6  | 953.6  | 944.6  | 944.6  | 926.6  | 935.6  | 935.6  | 953.6  | 962.6  | 962.6  |
| 30°   | 980.5  | 953.6  | 917.6  | 890.6  | 890.6  | 863.6  | 881.6  | 899.6  | 908.6  | 926.6  | 926.6  |
| 32.5° | 1007.5 | 953.6  | 890.6  | 863.6  | 836.6  | 818.6  | 836.6  | 863.6  | 899.6  | 908.6  | 917.6  |
| 35°   | 800.6  | 827.6  | 818.6  | 782.6  | 773.6  | 773.6  | 764.6  | 764.6  | 737.7  | 737.7  | 728.7  |
| 37.5° | 719.7  | 710.7  | 728.7  | 737.7  | 746.7  | 719.7  | 719.7  | 683.7  | 674.7  | 683.7  | 683.7  |
| 40°   | 674.7  | 674.7  | 674.7  | 701.7  | 710.7  | 692.7  | 665.7  | 647.7  | 647.7  | 647.7  | 656.7  |
| 42.5° | 656.7  | 638.7  | 629.7  | 647.7  | 674.7  | 656.7  | 629.7  | 620.7  | 620.7  | 629.7  | 629.7  |
| 45°   | 629.7  | 620.7  | 611.7  | 602.7  | 638.7  | 611.7  | 602.7  | 593.7  | 593.7  | 593.7  | 602.7  |
| 47.5° | 602.7  | 593.7  | 575.7  | 575.7  | 584.7  | 575.7  | 566.7  | 566.7  | 566.7  | 584.7  | 584.7  |
| 50°   | 584.7  | 575.7  | 557.7  | 557.7  | 557.7  | 557.7  | 548.7  | 548.7  | 548.7  | 557.7  | 566.7  |
| 52.5° | 557.7  | 548.7  | 539.8  | 530.8  | 530.8  | 530.8  | 530.8  | 530.8  | 530.8  | 539.8  | 548.7  |
| 55°   | 530.8  | 521.8  | 512.8  | 512.8  | 521.8  | 521.8  | 512.8  | 521.8  | 512.8  | 521.8  | 530.8  |
| 57.5° | 503.8  | 494.8  | 485.8  | 494.8  | 503.8  | 494.8  | 494.8  | 494.8  | 494.8  | 494.8  | 503.8  |
| 60°   | 467.8  | 467.8  | 467.8  | 467.8  | 485.8  | 485.8  | 485.8  | 485.8  | 467.8  | 476.8  | 485.8  |
| 62.5° | 449.8  | 440.8  | 440.8  | 449.8  | 458.8  | 458.8  | 467.8  | 458.8  | 449.8  | 458.8  | 458.8  |
| 65°   | 413.8  | 413.8  | 413.8  | 422.8  | 422.8  | 431.8  | 431.8  | 431.8  | 422.8  | 431.8  | 431.8  |
| 67.5° | 386.8  | 386.8  | 386.8  | 386.8  | 404.8  | 404.8  | 404.8  | 404.8  | 395.8  | 395.8  | 404.8  |
| 70°   | 341.8  | 350.8  | 341.8  | 359.8  | 377.8  | 368.8  | 377.8  | 377.8  | 368.8  | 359.8  | 377.8  |
| 72.5° | 314.9  | 314.9  | 314.9  | 314.9  | 341.8  | 341.8  | 341.8  | 350.8  | 341.8  | 332.8  | 341.8  |
| 75°   | 278.9  | 278.9  | 278.9  | 287.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 296.9  | 296.9  |
| 77.5° | 242.9  | 251.9  | 242.9  | 251.9  | 269.9  | 260.9  | 269.9  | 278.9  | 269.9  | 260.9  | 260.9  |
| 80°   | 206.9  | 206.9  | 206.9  | 215.9  | 224.9  | 224.9  | 224.9  | 233.9  | 224.9  | 215.9  | 215.9  |
| 82.5° | 161.9  | 161.9  | 170.9  | 170.9  | 179.9  | 179.9  | 179.9  | 188.9  | 179.9  | 170.9  | 170.9  |
| 85°   | 125.9  | 125.9  | 125.9  | 134.9  | 134.9  | 143.9  | 143.9  | 152.9  | 152.9  | 143.9  | 143.9  |
| 87.5° | 81.0   | 72.0   | 81.0   | 81.0   | 90.0   | 90.0   | 81.0   | 72.0   | 81.0   | 72.0   | 63.0   |
| 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: P599030  
 CATALOG NUMBER: IFLD-S-SA3D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0 | 6477.0  | 6477.0  | 6477.0  |
| 2.5°  | 5910.3 | 6072.2 | 6189.1 | 6270.1 | 6387.0 | 6611.9 | 6701.9 | 6863.8  | 6908.8  | 6935.8  |
| 5°    | 5082.6 | 5253.6 | 5505.5 | 5685.4 | 5892.3 | 6315.1 | 6638.9 | 6881.8  | 6989.8  | 7088.7  |
| 7.5°  | 3985.2 | 4210.1 | 4470.9 | 4704.8 | 5046.7 | 5568.4 | 5991.2 | 6495.0  | 6683.9  | 6782.9  |
| 10°   | 3112.6 | 3319.5 | 3607.3 | 3895.2 | 4372.0 | 4812.8 | 5415.5 | 5874.3  | 6135.2  | 6207.1  |
| 12.5° | 2626.8 | 2869.7 | 3211.5 | 3562.4 | 3859.2 | 4363.0 | 4974.7 | 5640.4  | 5883.3  | 5928.3  |
| 15°   | 2231.0 | 2563.8 | 2914.7 | 3274.5 | 3616.3 | 4057.1 | 4713.8 | 5523.4  | 5883.3  | 5928.3  |
| 17.5° | 1844.1 | 2141.0 | 2554.8 | 2941.6 | 3337.5 | 3940.2 | 4758.8 | 5622.4  | 5982.2  | 6117.2  |
| 20°   | 1466.3 | 1754.2 | 2078.0 | 2563.8 | 3103.6 | 3742.3 | 4857.8 | 5955.2  | 6432.0  | 6576.0  |
| 22.5° | 1214.4 | 1340.4 | 1655.2 | 2123.0 | 2761.7 | 3607.3 | 4956.7 | 6477.0  | 6980.8  | 7034.7  |
| 25°   | 1061.5 | 1151.5 | 1349.4 | 1790.2 | 2491.8 | 3517.4 | 5190.6 | 7079.7  | 7727.4  | 7727.4  |
| 27.5° | 989.5  | 1025.5 | 1160.5 | 1556.3 | 2302.9 | 3436.4 | 5424.5 | 7745.4  | 8348.1  | 8474.1  |
| 30°   | 971.6  | 1061.5 | 1133.5 | 1385.4 | 2096.0 | 3211.5 | 5640.4 | 8267.2  | 8887.9  | 8896.9  |
| 32.5° | 953.6  | 935.6  | 989.5  | 1205.4 | 1844.1 | 2977.6 | 5820.3 | 8797.9  | 9283.7  | 9310.7  |
| 35°   | 746.7  | 782.6  | 872.6  | 1061.5 | 1655.2 | 2806.7 | 5910.3 | 9085.8  | 9787.5  | 9814.5  |
| 37.5° | 701.7  | 746.7  | 818.6  | 980.5  | 1529.3 | 2662.8 | 5937.3 | 9643.5  | 10318.2 | 10372.2 |
| 40°   | 683.7  | 719.7  | 773.6  | 908.6  | 1430.3 | 2482.9 | 5991.2 | 10219.3 | 11100.9 | 11028.9 |
| 42.5° | 647.7  | 692.7  | 746.7  | 872.6  | 1349.4 | 2347.9 | 6000.2 | 10534.1 | 11514.7 | 11514.7 |
| 45°   | 638.7  | 665.7  | 728.7  | 872.6  | 1259.4 | 2231.0 | 5856.3 | 10849.0 | 11991.5 | 11847.5 |
| 47.5° | 602.7  | 656.7  | 710.7  | 845.6  | 1151.5 | 2114.0 | 5685.4 | 11010.9 | 12054.4 | 12009.4 |
| 50°   | 593.7  | 647.7  | 737.7  | 800.6  | 1088.5 | 2060.0 | 5649.4 | 11415.7 | 12180.4 | 12171.4 |
| 52.5° | 575.7  | 629.7  | 764.6  | 764.6  | 1007.5 | 1988.1 | 5820.3 | 11595.6 | 12207.4 | 12279.3 |
| 55°   | 548.7  | 629.7  | 710.7  | 701.7  | 935.6  | 1898.1 | 6009.2 | 12063.4 | 12684.1 | 12666.1 |
| 57.5° | 530.8  | 611.7  | 674.7  | 638.7  | 854.6  | 1835.2 | 6288.1 | 12513.2 | 13259.9 | 13133.9 |
| 60°   | 503.8  | 611.7  | 602.7  | 593.7  | 791.6  | 1781.2 | 6522.0 | 12603.2 | 13385.8 | 13466.8 |
| 62.5° | 485.8  | 638.7  | 530.8  | 548.7  | 737.7  | 1754.2 | 6423.0 | 11928.5 | 13214.9 | 13286.9 |
| 65°   | 467.8  | 548.7  | 485.8  | 503.8  | 719.7  | 1700.2 | 6036.2 | 11118.9 | 12477.2 | 12792.1 |
| 67.5° | 431.8  | 449.8  | 449.8  | 467.8  | 701.7  | 1574.3 | 5244.6 | 9661.5  | 11352.8 | 11523.7 |
| 70°   | 395.8  | 404.8  | 404.8  | 431.8  | 683.7  | 1430.3 | 4327.0 | 8357.1  | 9850.4  | 10174.3 |
| 72.5° | 359.8  | 359.8  | 359.8  | 395.8  | 629.7  | 1313.4 | 3562.4 | 6423.0  | 8186.2  | 8411.1  |
| 75°   | 314.9  | 314.9  | 314.9  | 350.8  | 566.7  | 1196.4 | 2806.7 | 4776.8  | 6027.2  | 6351.1  |
| 77.5° | 278.9  | 278.9  | 269.9  | 314.9  | 494.8  | 971.6  | 2024.1 | 3373.4  | 4246.0  | 4515.9  |
| 80°   | 233.9  | 224.9  | 224.9  | 251.9  | 386.8  | 701.7  | 1304.4 | 2383.9  | 2959.6  | 3076.6  |
| 82.5° | 188.9  | 179.9  | 170.9  | 188.9  | 278.9  | 440.8  | 809.6  | 1664.2  | 1898.1  | 1826.2  |
| 85°   | 179.9  | 188.9  | 152.9  | 143.9  | 197.9  | 287.9  | 512.8  | 1025.5  | 854.6   | 854.6   |
| 87.5° | 72.0   | 63.0   | 63.0   | 54.0   | 99.0   | 108.0  | 224.9  | 188.9   | 143.9   | 143.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END OF REPORT)