

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: P599037

Luminaire Tested: **IFLD-M-SA4A-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: P599037  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4A-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

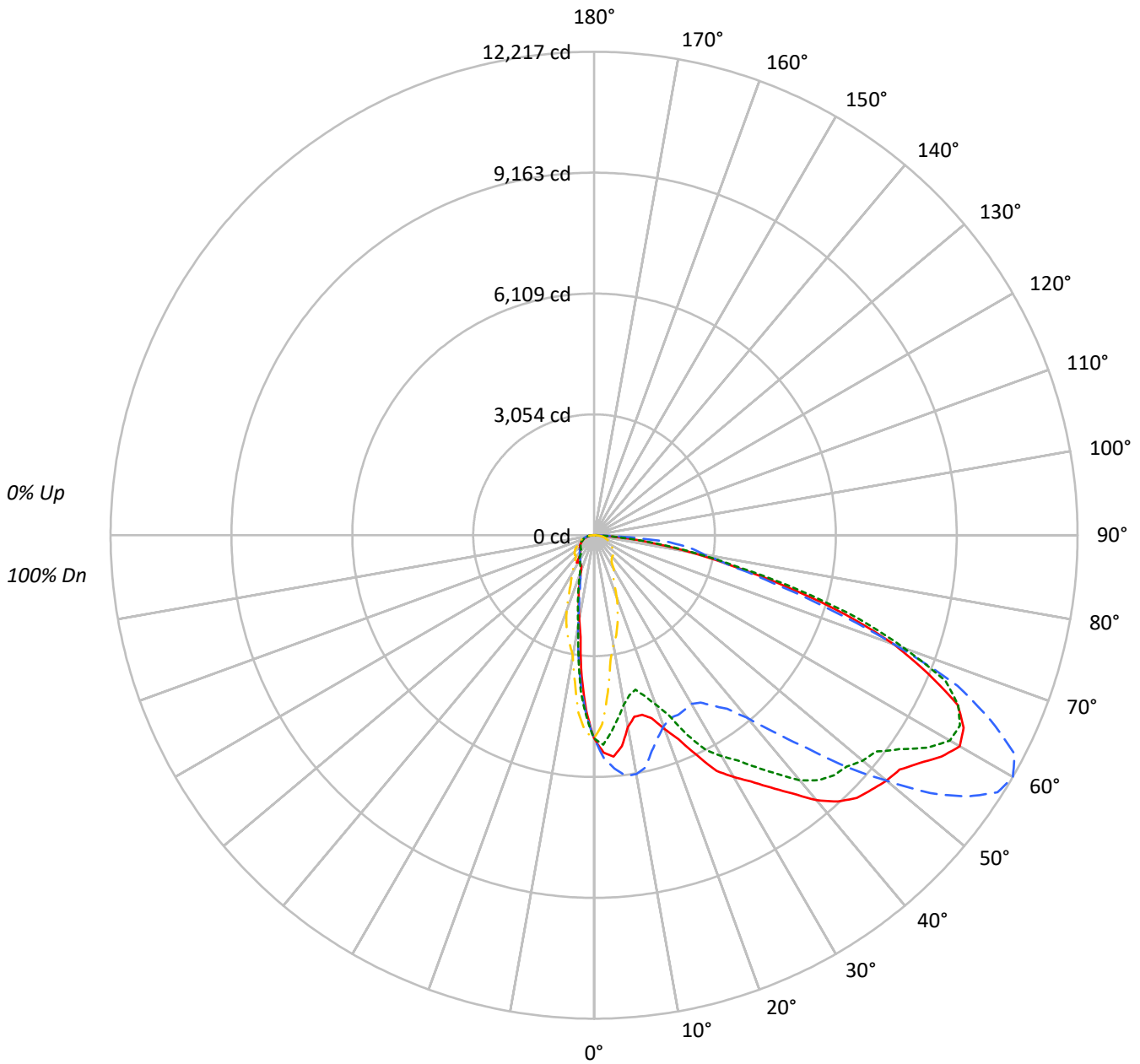
Lumens per Lamp: N/A  
 Luminaire Lumens: 16068.1 lumens  
 Efficiency: N/A  
 Efficacy: 124.9 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 128.6  
 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	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	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	55241	55241	55241	55241
5°	60690	53912	38663	42206
10°	53756	47446	23450	25164
15°	52345	45037	16601	17236
20°	59685	52091	10859	12002
25°	72718	66031	9481	9820
30°	87619	80088	9834	9125
35°	102186	94037	8148	7681
40°	122791	113577	7612	7211
45°	142899	130530	7704	7161
50°	161495	148367	7877	7400
55°	188341	176837	8160	7758
60°	229711	223420	8133	8133
65°	258155	258519	8351	8713
70°	253711	262684	8749	8973
75°	209286	223218	9191	9782
80°	151106	158618	10160	10606
85°	83623	89786	11449	14079

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	398.7	2.5
10°-20°	841.8	5.2
20°-30°	1231.6	7.7
30°-40°	1735.3	10.8
40°-50°	2384.8	14.8
50°-60°	3250.2	20.2
60°-70°	3557.2	22.1
70°-80°	2053.7	12.8
80°-90°	615.0	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°	2472.1	15.4
0°-40°	4207.3	26.2
0°-60°	9842.3	61.3
0°-90°	16068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16068.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5132	5132	5132	5132	5132	
5°	5617	4990	3578	3906	5617	510
15°	4697	4042	1490	1547	4697	1372
25°	6123	5560	798	827	6123	2867
35°	7776	7156	620	584	7776	4931
45°	9387	8575	506	470	9387	7215
55°	10036	9423	435	413	10036	9055
65°	10136	10150	328	342	10136	9701
75°	5032	5367	221	235	5032	5406
85°	677	727	93	114	677	940
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°	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1
2.5°	5495.6	5474.2	5495.6	5574.0	5595.4	5631.0	5631.0	5581.1	5488.5	5445.7	5374.4
5°	5616.8	5581.1	5759.3	5923.3	6051.6	6037.3	5916.1	5816.3	5631.0	5353.0	5089.3
7.5°	5374.4	5410.1	5538.4	5966.0	6265.4	6322.4	6130.0	5930.4	5531.2	5146.3	4789.9
10°	4918.2	4968.1	5246.1	5688.0	6158.5	6251.1	6130.0	5887.6	5410.1	4932.5	4519.1
12.5°	4697.3	4811.3	4975.3	5509.8	5844.9	6065.8	6008.8	5852.0	5317.4	4754.3	4355.1
15°	4697.3	4725.8	4968.1	5417.2	5609.6	5616.8	5638.2	5666.7	5345.9	4832.7	4298.1
17.5°	4847.0	4925.4	5132.1	5410.1	5445.7	5360.2	5360.2	5481.3	5402.9	5053.7	4504.8
20°	5210.5	5182.0	5452.8	5566.9	5374.4	5160.6	5139.2	5345.9	5467.1	5288.9	4882.6
22.5°	5574.0	5702.3	5923.3	5666.7	5310.3	5025.2	4996.6	5253.2	5659.5	5695.2	5317.4
25°	6122.8	6251.1	6365.2	6051.6	5303.1	4989.5	5010.9	5210.5	5894.8	6272.5	6044.4
27.5°	6714.5	6792.9	6956.8	6472.1	5474.2	4946.7	4968.1	5267.5	6115.7	6650.3	6614.7
30°	7049.5	7135.0	7099.4	6550.5	5588.3	4975.3	4918.2	5345.9	5994.5	6650.3	6985.3
32.5°	7377.4	7327.5	7306.1	6678.8	5730.8	5153.5	5010.9	5509.8	6065.8	6757.2	7462.9
35°	7776.5	7705.2	7648.2	6928.3	5966.0	5324.5	5260.4	5723.7	6222.6	6978.2	7847.8
37.5°	8218.4	8218.4	7940.5	7113.6	6244.0	5602.5	5531.2	6030.2	6472.1	7113.6	8375.3
40°	8738.8	8760.2	8268.3	7363.1	6557.6	6044.4	6023.1	6429.3	6714.5	7313.2	8881.3
42.5°	9123.7	9137.9	8553.5	7455.8	6921.2	6657.4	6750.1	7070.9	6992.4	7491.4	8917.0
45°	9387.4	9316.1	8753.0	7719.5	7320.3	7576.9	7605.4	7698.1	7356.0	7598.3	9059.5
47.5°	9515.7	9501.5	8838.6	8026.0	8161.4	8510.7	8674.6	8546.3	7691.0	7484.3	9059.5
50°	9644.0	9522.8	8917.0	8446.5	8981.1	9686.8	9651.1	9415.9	8154.3	7626.8	8924.1
52.5°	9729.6	9622.6	9073.8	8824.3	9765.2	10563.5	10706.1	10271.3	8696.0	7890.6	8988.3
55°	10036.1	9950.5	9544.2	9337.5	10670.4	11490.1	11511.5	10905.7	9266.2	8325.4	9408.8
57.5°	10406.7	10456.6	10192.9	10064.6	11361.8	12167.3	12088.9	11376.1	9750.9	8852.8	9893.5
60°	10670.4	10748.8	10684.7	10698.9	11704.0	12395.4	12217.2	11668.3	10107.3	9252.0	10485.1
62.5°	10527.9	10684.7	10948.4	10891.4	11718.2	12231.4	11982.0	11283.4	10150.1	9772.3	10934.2
65°	10135.8	10150.1	10663.3	10976.9	11076.7	11383.2	11055.3	10478.0	9708.2	10093.1	10870.0
67.5°	9130.8	9244.9	9708.2	10321.2	9900.6	9971.9	9943.4	9109.4	9038.1	9872.1	10378.2
70°	8061.6	8140.0	8646.1	9366.0	8361.0	8026.0	8090.1	7470.0	7762.3	9187.8	9387.4
72.5°	6664.6	6714.5	7291.8	7926.2	6707.3	6108.6	6258.3	5752.2	6165.6	8040.2	7919.1
75°	5032.3	5124.9	5574.0	6322.4	4939.6	4554.7	4704.4	4497.7	4882.6	6621.8	6144.2
77.5°	3578.2	3506.9	4062.9	4946.7	3713.6	3485.5	3499.8	3535.4	3948.8	5581.1	4412.2
80°	2437.7	2459.1	2958.1	3628.1	2915.3	2879.7	2844.0	3129.1	3314.5	4419.3	3207.5
82.5°	1447.0	1447.0	1995.8	2580.3	2302.3	2594.5	2430.6	2687.2	2594.5	3250.3	2102.7
85°	677.1	677.1	1026.4	1860.4	1782.0	2138.4	1817.6	2031.4	1917.4	2266.7	948.0
87.5°	114.0	99.8	206.7	912.4	734.2	834.0	327.9	1083.4	1204.6	1582.4	235.2
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°	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1
2.5°	5296.0	5246.1	5146.3	5018.0	4911.1	4775.7	4732.9	4640.2	4511.9	4497.7	4440.7
5°	4989.5	4818.4	4604.6	4340.9	4162.7	3977.4	3820.5	3727.9	3621.0	3606.7	3578.2
7.5°	4654.5	4440.7	4084.3	3770.6	3464.1	3171.9	3029.3	2851.2	2730.0	2637.3	2594.5
10°	4340.9	4141.3	3699.4	3271.7	3000.8	2808.4	2637.3	2452.0	2302.3	2188.3	2145.5
12.5°	4134.2	3898.9	3421.4	3015.1	2815.5	2594.5	2402.1	2202.5	2010.1	1860.4	1782.0
15°	4041.5	3820.5	3335.8	2886.8	2594.5	2288.0	2067.1	1867.5	1632.3	1525.4	1489.7
17.5°	4262.5	3934.6	3307.3	2737.1	2323.7	1974.4	1703.6	1489.7	1318.7	1211.7	1169.0
20°	4547.6	4141.3	3357.2	2558.9	2067.1	1675.1	1375.7	1147.6	1033.5	955.1	948.0
22.5°	4911.1	4447.8	3435.6	2430.6	1782.0	1347.2	1076.3	940.9	862.5	855.3	841.1
25°	5559.7	5003.8	3563.9	2259.5	1553.9	1111.9	919.5	841.1	805.5	784.1	798.3
27.5°	6115.7	5367.3	3656.6	2152.6	1461.2	1047.8	891.0	805.5	769.8	762.7	769.8
30°	6443.6	5702.3	3628.1	1953.0	1275.9	997.9	948.0	919.5	848.2	791.2	791.2
32.5°	6743.0	5916.1	3621.0	1774.8	1090.6	834.0	791.2	769.8	812.6	841.1	819.7
35°	7156.4	6251.1	3599.6	1675.1	1012.2	769.8	698.5	641.5	613.0	598.7	620.1
37.5°	7598.3	6479.2	3542.6	1660.8	969.4	734.2	677.1	620.1	591.6	577.4	570.2
40°	8083.0	6721.6	3478.4	1589.5	948.0	712.8	655.8	605.9	570.2	548.8	541.7
42.5°	8396.6	6914.0	3414.3	1553.9	905.2	698.5	634.4	591.6	556.0	527.5	527.5
45°	8574.8	7142.1	3350.1	1518.2	855.3	705.7	634.4	577.4	534.6	520.3	506.1
47.5°	8653.2	7313.2	3328.7	1461.2	812.6	677.1	620.1	563.1	520.3	491.8	484.7
50°	8860.0	7676.7	3407.1	1418.4	762.7	648.6	655.8	556.0	513.2	477.6	470.4
52.5°	8981.1	7969.0	3578.2	1354.3	727.0	613.0	641.5	541.7	491.8	456.2	456.2
55°	9423.1	8453.7	3763.5	1304.4	684.3	563.1	591.6	513.2	456.2	434.8	434.8
57.5°	9986.2	8966.9	3920.3	1283.0	655.8	527.5	527.5	499.0	434.8	406.3	399.2
60°	10378.2	9387.4	4013.0	1268.8	627.3	491.8	470.4	499.0	413.4	384.9	377.8
62.5°	10421.0	9145.1	3920.3	1261.6	620.1	456.2	427.7	477.6	392.0	363.5	349.3
65°	10150.1	8653.2	3663.7	1233.1	613.0	420.5	399.2	413.4	363.5	342.1	327.9
67.5°	9608.4	7854.9	3293.1	1218.9	605.9	392.0	363.5	356.4	335.0	313.6	299.4
70°	8346.7	6814.3	2858.3	1154.7	591.6	370.6	327.9	320.8	299.4	285.1	278.0
72.5°	7006.7	5574.0	2359.3	1069.2	563.1	335.0	299.4	285.1	278.0	256.6	249.5
75°	5367.3	4291.0	1888.9	948.0	491.8	299.4	263.7	249.5	242.3	228.1	221.0
77.5°	3770.6	3193.3	1397.1	769.8	413.4	270.9	235.2	221.0	213.8	192.5	192.5
80°	2558.9	2238.2	948.0	534.6	320.8	221.0	206.7	192.5	178.2	163.9	163.9
82.5°	1589.5	1568.1	684.3	349.3	235.2	178.2	163.9	163.9	142.6	128.3	128.3
85°	727.0	962.3	477.6	242.3	178.2	135.4	135.4	128.3	114.0	92.7	92.7
87.5°	228.1	320.8	249.5	106.9	99.8	78.4	78.4	71.3	71.3	57.0	57.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1
2.5°	4497.7	4490.6	4490.6	4462.1	4533.3	4533.3	4576.1	4540.5	4561.8	4569.0	4626.0
5°	3571.1	3628.1	3670.9	3756.4	3806.3	3827.7	3827.7	3884.7	3863.3	3906.1	3991.6
7.5°	2615.9	2687.2	2815.5	2922.4	3008.0	3036.5	3029.3	3043.6	3065.0	3015.1	3029.3
10°	2117.0	2067.1	2109.9	2209.6	2288.0	2380.7	2309.4	2302.3	2323.7	2302.3	2345.1
12.5°	1767.7	1710.7	1675.1	1675.1	1732.1	1774.8	1753.5	1789.1	1867.5	1888.9	1938.8
15°	1432.7	1382.8	1354.3	1318.7	1375.7	1389.9	1411.3	1461.2	1518.2	1546.7	1603.8
17.5°	1147.6	1147.6	1147.6	1119.1	1140.5	1161.8	1169.0	1233.1	1240.3	1268.8	1290.1
20°	940.9	962.3	997.9	1012.2	1033.5	1033.5	1019.3	1054.9	1026.4	1047.8	1062.1
22.5°	848.2	876.7	891.0	898.1	926.6	933.8	898.1	905.2	912.4	891.0	898.1
25°	798.3	812.6	798.3	805.5	812.6	798.3	805.5	819.7	812.6	826.8	819.7
27.5°	776.9	762.7	755.6	748.4	748.4	734.2	741.3	741.3	755.6	762.7	762.7
30°	776.9	755.6	727.0	705.7	705.7	684.3	698.5	712.8	719.9	734.2	734.2
32.5°	798.3	755.6	705.7	684.3	662.9	648.6	662.9	684.3	712.8	719.9	727.0
35°	634.4	655.8	648.6	620.1	613.0	613.0	605.9	605.9	584.5	584.5	577.4
37.5°	570.2	563.1	577.4	584.5	591.6	570.2	570.2	541.7	534.6	541.7	541.7
40°	534.6	534.6	534.6	556.0	563.1	548.8	527.5	513.2	513.2	513.2	520.3
42.5°	520.3	506.1	499.0	513.2	534.6	520.3	499.0	491.8	491.8	499.0	499.0
45°	499.0	491.8	484.7	477.6	506.1	484.7	477.6	470.4	470.4	470.4	477.6
47.5°	477.6	470.4	456.2	456.2	463.3	456.2	449.1	449.1	449.1	463.3	463.3
50°	463.3	456.2	441.9	441.9	441.9	441.9	434.8	434.8	434.8	441.9	449.1
52.5°	441.9	434.8	427.7	420.5	420.5	420.5	420.5	420.5	420.5	427.7	434.8
55°	420.5	413.4	406.3	406.3	413.4	413.4	406.3	413.4	406.3	413.4	420.5
57.5°	399.2	392.0	384.9	392.0	399.2	392.0	392.0	392.0	392.0	392.0	399.2
60°	370.6	370.6	370.6	370.6	384.9	384.9	384.9	384.9	370.6	377.8	384.9
62.5°	356.4	349.3	349.3	356.4	363.5	363.5	370.6	363.5	356.4	363.5	363.5
65°	327.9	327.9	327.9	335.0	335.0	342.1	342.1	342.1	335.0	342.1	342.1
67.5°	306.5	306.5	306.5	306.5	320.8	320.8	320.8	320.8	313.6	313.6	320.8
70°	270.9	278.0	270.9	285.1	299.4	292.2	299.4	299.4	292.2	285.1	299.4
72.5°	249.5	249.5	249.5	249.5	270.9	270.9	270.9	278.0	270.9	263.7	270.9
75°	221.0	221.0	221.0	228.1	242.3	242.3	242.3	242.3	242.3	235.2	235.2
77.5°	192.5	199.6	192.5	199.6	213.8	206.7	213.8	221.0	213.8	206.7	206.7
80°	163.9	163.9	163.9	171.1	178.2	178.2	178.2	185.3	178.2	171.1	171.1
82.5°	128.3	128.3	135.4	135.4	142.6	142.6	142.6	149.7	142.6	135.4	135.4
85°	99.8	99.8	99.8	106.9	106.9	114.0	114.0	121.2	121.2	114.0	114.0
87.5°	64.2	57.0	64.2	64.2	71.3	71.3	64.2	57.0	64.2	57.0	49.9
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: P599037  
 CATALOG NUMBER: IFLD-M-SA4A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1	5132.1
2.5°	4683.0	4811.3	4904.0	4968.1	5060.8	5239.0	5310.3	5438.6	5474.2	5495.6
5°	4027.3	4162.7	4362.3	4504.8	4668.8	5003.8	5260.4	5452.8	5538.4	5616.8
7.5°	3157.6	3335.8	3542.6	3727.9	3998.7	4412.2	4747.2	5146.3	5296.0	5374.4
10°	2466.2	2630.2	2858.3	3086.4	3464.1	3813.4	4291.0	4654.5	4861.2	4918.2
12.5°	2081.3	2273.8	2544.7	2822.6	3057.9	3457.0	3941.7	4469.2	4661.6	4697.3
15°	1767.7	2031.4	2309.4	2594.5	2865.4	3214.7	3735.0	4376.5	4661.6	4697.3
17.5°	1461.2	1696.4	2024.3	2330.8	2644.4	3122.0	3770.6	4454.9	4740.0	4847.0
20°	1161.8	1389.9	1646.5	2031.4	2459.1	2965.2	3849.1	4718.7	5096.4	5210.5
22.5°	962.3	1062.1	1311.5	1682.2	2188.3	2858.3	3927.5	5132.1	5531.2	5574.0
25°	841.1	912.4	1069.2	1418.4	1974.4	2787.0	4112.8	5609.6	6122.8	6122.8
27.5°	784.1	812.6	919.5	1233.1	1824.7	2722.8	4298.1	6137.1	6614.7	6714.5
30°	769.8	841.1	898.1	1097.7	1660.8	2544.7	4469.2	6550.5	7042.3	7049.5
32.5°	755.6	741.3	784.1	955.1	1461.2	2359.3	4611.7	6971.1	7356.0	7377.4
35°	591.6	620.1	691.4	841.1	1311.5	2223.9	4683.0	7199.2	7755.1	7776.5
37.5°	556.0	591.6	648.6	776.9	1211.7	2109.9	4704.4	7641.1	8175.7	8218.4
40°	541.7	570.2	613.0	719.9	1133.3	1967.3	4747.2	8097.3	8795.8	8738.8
42.5°	513.2	548.8	591.6	691.4	1069.2	1860.4	4754.3	8346.7	9123.7	9123.7
45°	506.1	527.5	577.4	691.4	997.9	1767.7	4640.2	8596.2	9501.5	9387.4
47.5°	477.6	520.3	563.1	670.0	912.4	1675.1	4504.8	8724.5	9551.4	9515.7
50°	470.4	513.2	584.5	634.4	862.5	1632.3	4476.3	9045.3	9651.1	9644.0
52.5°	456.2	499.0	605.9	605.9	798.3	1575.3	4611.7	9187.8	9672.5	9729.6
55°	434.8	499.0	563.1	556.0	741.3	1504.0	4761.4	9558.5	10050.3	10036.1
57.5°	420.5	484.7	534.6	506.1	677.1	1454.1	4982.4	9914.9	10506.5	10406.7
60°	399.2	484.7	477.6	470.4	627.3	1411.3	5167.7	9986.2	10606.3	10670.4
62.5°	384.9	506.1	420.5	434.8	584.5	1389.9	5089.3	9451.6	10470.9	10527.9
65°	370.6	434.8	384.9	399.2	570.2	1347.2	4782.8	8810.1	9886.4	10135.8
67.5°	342.1	356.4	356.4	370.6	556.0	1247.4	4155.6	7655.3	8995.4	9130.8
70°	313.6	320.8	320.8	342.1	541.7	1133.3	3428.5	6621.8	7805.0	8061.6
72.5°	285.1	285.1	285.1	313.6	499.0	1040.7	2822.6	5089.3	6486.4	6664.6
75°	249.5	249.5	249.5	278.0	449.1	948.0	2223.9	3784.9	4775.7	5032.3
77.5°	221.0	221.0	213.8	249.5	392.0	769.8	1603.8	2673.0	3364.4	3578.2
80°	185.3	178.2	178.2	199.6	306.5	556.0	1033.5	1888.9	2345.1	2437.7
82.5°	149.7	142.6	135.4	149.7	221.0	349.3	641.5	1318.7	1504.0	1447.0
85°	142.6	149.7	121.2	114.0	156.8	228.1	406.3	812.6	677.1	677.1
87.5°	57.0	49.9	49.9	42.8	78.4	85.5	178.2	149.7	114.0	114.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)