

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: P599241

Luminaire Tested: **IFLD-M-SA4B-740-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599241
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-740-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

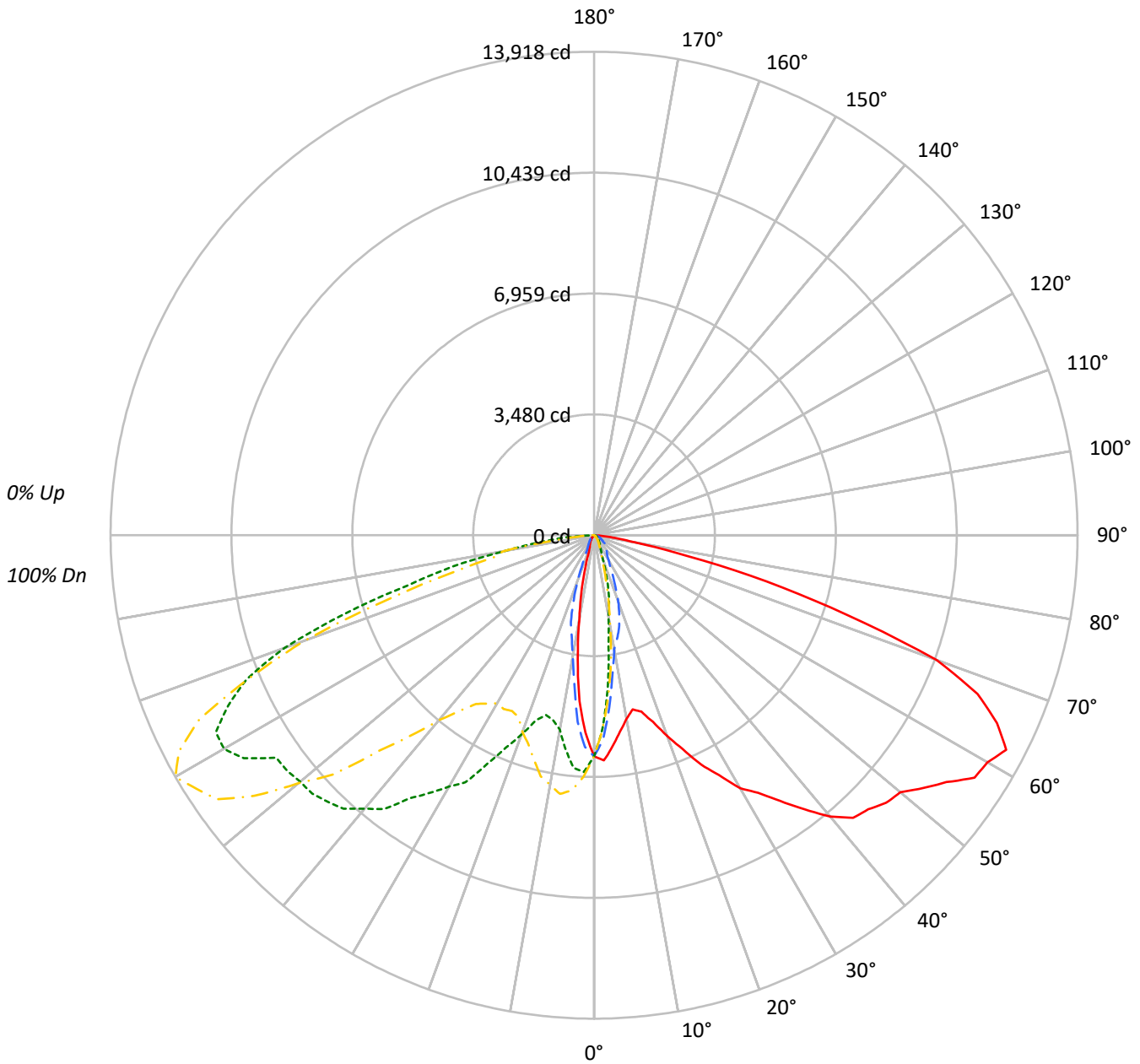
Lumens per Lamp: N/A
 Luminaire Lumens: 16636.6 lumens
 Efficiency: N/A
 Efficacy: 100.2 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 Input Voltage (V): 120
 Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62	62	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49	49	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40	40	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33	33	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27	27	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24	24	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20	20	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18	18	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	68461	68461	68461	68461
5°	65911	48173	51857	72648
10°	58682	26228	26571	62114
15°	58580	17494	10697	59679
20°	70337	8734	4265	69925
25°	86511	5487	3303	86084
30°	104527	4404	2508	103859
35°	122650	3536	1945	121413
40°	148486	3025	1260	144388
45°	169874	2731	683	165162
50°	192731	2629	151	184844
55°	232485	2526	0	209590
60°	281468	2125	0	264764
65°	325924	1714	0	296222
70°	330030	1413	0	298694
75°	213586	932	0	229066
80°	72841	279	0	162090
85°	36557	0	0	119093

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.8	2.9
10°-20°	932.9	5.6
20°-30°	1299.3	7.8
30°-40°	1846.2	11.1
40°-50°	2560.1	15.4
50°-60°	3488.3	21.0
60°-70°	3835.2	23.1
70°-80°	1885.0	11.3
80°-90°	307.8	1.9
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°	2714.0	16.3
0°-40°	4560.2	27.4
0°-60°	10608.7	63.8
0°-90°	16636.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16636.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6360	6360	6360	6360	6360	
5°	6100	4458	4799	6724	6100	558
15°	5257	1570	960	5355	5257	1556
25°	7284	462	278	7248	7284	3387
35°	9334	269	148	9240	9334	5925
45°	11159	179	45	10850	11159	8651
55°	12388	135	0	11168	12388	11144
65°	12797	67	0	11630	12797	12366
75°	5136	22	0	5508	5136	5599
85°	296	0	0	964	296	409
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°	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2
2.5°	6490.2	6566.5	6494.7	6243.5	6198.7	6077.6	5893.7	5880.2	5687.4	5709.8	5606.6
5°	6100.0	6176.3	6023.8	5691.8	5382.4	5135.7	4987.7	4723.0	4664.7	4534.6	4534.6
7.5°	5700.8	5696.3	5436.2	5158.1	4696.1	4243.1	4036.8	3655.5	3431.3	3310.2	3193.5
10°	5368.9	5297.1	5135.7	4561.6	4059.2	3588.2	3332.6	3081.4	2848.2	2646.3	2444.5
12.5°	5135.7	5180.5	4924.9	4301.4	3651.0	3323.6	3050.0	2785.4	2507.3	2278.5	2054.3
15°	5256.8	5185.0	4884.5	4243.1	3583.8	3135.2	2771.9	2449.0	2139.5	1839.0	1668.5
17.5°	5633.5	5449.6	5095.3	4243.1	3444.7	2848.2	2408.6	2027.4	1695.4	1426.3	1215.5
20°	6140.4	5929.6	5548.3	4400.1	3341.5	2637.4	2036.3	1556.4	1211.0	959.9	798.4
22.5°	6660.7	6494.7	5920.6	4462.9	3220.4	2354.8	1605.7	1125.8	807.4	645.9	565.1
25°	7284.1	7050.9	6422.9	4714.1	3041.0	2081.2	1264.9	784.9	601.0	515.8	466.5
27.5°	7782.0	7741.6	6893.9	4866.6	2906.5	1856.9	1000.2	623.5	497.9	435.1	403.7
30°	8409.9	8190.2	7468.0	5171.6	2754.0	1601.3	834.3	560.7	457.5	390.2	367.8
32.5°	8786.7	8683.5	7768.5	5342.0	2583.5	1390.4	717.6	493.4	417.1	367.8	345.4
35°	9333.9	9127.6	8199.1	5449.6	2493.8	1269.3	645.9	448.5	349.9	300.5	273.6
37.5°	9943.9	9867.7	8714.9	5445.2	2363.8	1197.6	596.5	417.1	331.9	278.1	246.7
40°	10567.4	10257.9	9028.9	5570.7	2296.5	1143.8	560.7	399.2	314.0	264.6	224.3
42.5°	11033.8	10679.5	9392.2	5525.9	2215.7	1049.6	547.2	372.3	300.5	242.2	206.3
45°	11159.4	11033.8	9719.6	5512.4	2157.4	973.3	524.8	367.8	291.5	228.8	192.9
47.5°	11401.6	11316.4	10123.3	5534.9	2112.6	915.0	471.0	376.8	278.1	215.3	183.9
50°	11509.3	11356.8	10450.7	5588.7	2009.4	843.2	421.6	394.7	273.6	210.8	174.9
52.5°	11953.3	11818.8	10899.3	5741.2	1924.2	749.0	372.3	376.8	282.6	197.4	166.0
55°	12388.4	12235.9	11590.0	6091.0	1803.1	672.8	318.5	331.9	269.1	179.4	148.0
57.5°	12984.9	12733.8	12052.0	6234.6	1695.4	569.6	282.6	273.6	251.2	161.5	130.1
60°	13074.6	13177.8	11984.7	6144.9	1583.3	502.4	246.7	210.8	269.1	143.5	112.1
62.5°	13375.2	12944.6	11670.8	5938.5	1502.6	462.0	219.8	174.9	233.2	125.6	94.2
65°	12796.6	12478.1	10935.2	5274.7	1399.4	466.5	192.9	143.5	148.0	103.2	76.3
67.5°	11948.8	11697.7	9715.2	4552.6	1296.3	457.5	170.4	125.6	112.1	89.7	67.3
70°	10486.6	9943.9	8253.0	3695.9	1143.8	426.1	143.5	112.1	94.2	71.8	49.3
72.5°	7629.5	7409.7	5920.6	2857.1	1027.1	385.7	134.6	94.2	80.7	53.8	40.4
75°	5135.7	4772.4	3736.3	1874.9	825.3	336.4	112.1	85.2	62.8	40.4	31.4
77.5°	2713.6	2565.6	2117.1	892.6	457.5	157.0	62.8	49.3	35.9	31.4	17.9
80°	1175.1	1045.1	915.0	363.3	161.5	71.8	40.4	26.9	22.4	17.9	9.0
82.5°	601.0	574.1	475.4	157.0	94.2	53.8	22.4	17.9	13.5	9.0	4.5
85°	296.0	305.0	251.2	49.3	53.8	31.4	4.5	4.5	0.0	0.0	0.0
87.5°	22.4	22.4	17.9	9.0	13.5	4.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2
2.5°	5566.3	5629.1	5521.4	5588.7	5557.3	5570.7	5584.2	5548.3	5557.3	5682.9	5687.4
5°	4458.4	4579.5	4534.6	4597.4	4705.1	4651.3	4700.6	4691.6	4700.6	4718.5	4799.3
7.5°	3180.1	3144.2	3229.4	3395.4	3588.2	3704.9	3646.5	3615.2	3597.2	3552.4	3606.2
10°	2399.6	2381.7	2359.3	2408.6	2534.2	2664.3	2736.0	2614.9	2547.7	2462.4	2431.0
12.5°	1991.5	1879.3	1816.5	1740.3	1776.2	1892.8	1897.3	1780.7	1673.0	1628.2	1677.5
15°	1569.9	1493.6	1381.5	1273.8	1220.0	1309.7	1233.5	1121.3	982.3	964.3	959.9
17.5°	1121.3	1076.5	995.7	950.9	888.1	865.7	784.9	614.5	515.8	488.9	497.9
20°	762.5	726.6	722.1	681.8	654.9	636.9	506.8	394.7	363.3	367.8	372.3
22.5°	565.1	547.2	524.8	520.3	497.9	475.4	372.3	331.9	309.5	309.5	322.9
25°	462.0	453.0	430.6	421.6	412.6	381.3	314.0	282.6	273.6	264.6	278.1
27.5°	394.7	390.2	376.8	363.3	354.3	322.9	273.6	246.7	237.7	237.7	237.7
30°	354.3	354.3	336.4	309.5	309.5	273.6	233.2	215.3	206.3	206.3	201.8
32.5°	331.9	322.9	300.5	282.6	269.1	233.2	206.3	188.4	174.9	174.9	179.4
35°	269.1	269.1	264.6	251.2	233.2	197.4	174.9	157.0	148.0	143.5	148.0
37.5°	237.7	224.3	206.3	210.8	201.8	170.4	148.0	134.6	121.1	121.1	121.1
40°	215.3	201.8	183.9	170.4	166.0	152.5	130.1	107.6	94.2	89.7	89.7
42.5°	192.9	183.9	157.0	134.6	130.1	130.1	98.7	80.7	67.3	67.3	67.3
45°	179.4	166.0	143.5	116.6	94.2	98.7	80.7	58.3	49.3	44.9	44.9
47.5°	170.4	157.0	125.6	98.7	71.8	71.8	58.3	40.4	31.4	26.9	26.9
50°	157.0	143.5	112.1	80.7	53.8	44.9	35.9	22.4	13.5	9.0	9.0
52.5°	148.0	134.6	98.7	67.3	44.9	31.4	22.4	4.5	0.0	0.0	0.0
55°	134.6	116.6	85.2	53.8	35.9	17.9	4.5	0.0	0.0	0.0	0.0
57.5°	116.6	103.2	67.3	40.4	22.4	4.5	0.0	0.0	0.0	0.0	0.0
60°	98.7	85.2	53.8	31.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	80.7	71.8	40.4	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	67.3	53.8	31.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	58.3	44.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	44.9	31.4	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	31.4	22.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	22.4	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2
2.5°	5705.3	5839.9	5965.4	6001.3	6100.0	6373.6	6373.6	6503.7	6736.9	6822.1	6840.1
5°	4812.7	4956.3	4983.2	5261.3	5391.3	5669.4	5853.3	6292.9	6557.5	6723.5	6826.6
7.5°	3660.0	3709.3	3812.5	4072.7	4328.3	4664.7	5014.6	5575.2	6041.7	6230.1	6579.9
10°	2516.3	2664.3	2888.5	3121.8	3521.0	3893.2	4346.3	4875.5	5449.6	5682.9	5983.4
12.5°	1695.4	1901.8	2260.6	2592.5	2960.3	3337.1	3767.7	4476.3	5126.7	5449.6	5750.2
15°	991.3	1242.4	1551.9	2090.1	2579.0	3000.7	3431.3	4148.9	4938.3	5355.4	5723.2
17.5°	502.4	578.6	834.3	1300.7	1946.6	2637.4	3278.8	4193.8	5081.8	5593.2	5898.2
20°	376.8	399.2	471.0	690.7	1332.1	2179.9	3135.2	4261.0	5481.0	6104.5	6270.4
22.5°	327.4	345.4	376.8	448.5	749.0	1668.5	2933.4	4427.0	6023.8	6611.3	6961.2
25°	278.1	296.0	322.9	367.8	479.9	1134.8	2686.7	4601.9	6508.2	7248.2	7575.7
27.5°	242.2	255.7	282.6	318.5	390.2	722.1	2260.6	4835.2	7248.2	8019.7	8104.9
30°	206.3	219.8	242.2	282.6	331.9	511.3	1659.6	4866.6	7656.4	8356.1	8593.8
32.5°	179.4	183.9	210.8	246.7	278.1	403.7	1166.2	4897.9	7956.9	8791.2	8840.5
35°	148.0	157.0	183.9	206.3	242.2	318.5	883.6	4741.0	8347.1	9239.7	9226.3
37.5°	121.1	134.6	152.5	170.4	197.4	269.1	704.2	4449.4	8836.0	9934.9	9513.3
40°	94.2	107.6	125.6	148.0	166.0	242.2	529.3	4009.9	9347.4	10275.8	9827.3
42.5°	67.3	76.3	94.2	116.6	148.0	201.8	381.3	3489.6	9549.2	10675.0	10204.1
45°	49.3	58.3	71.8	98.7	152.5	161.5	264.6	3014.1	9764.5	10849.9	10118.8
47.5°	26.9	35.9	53.8	85.2	134.6	121.1	188.4	2588.0	10011.2	11006.9	10186.1
50°	9.0	13.5	31.4	89.7	107.6	94.2	148.0	2359.3	10253.4	11038.3	10320.7
52.5°	0.0	0.0	17.9	94.2	80.7	71.8	130.1	2269.6	10190.6	11137.0	10235.5
55°	0.0	0.0	4.5	40.4	44.9	53.8	107.6	2265.1	10634.6	11168.4	10701.9
57.5°	0.0	0.0	0.0	13.5	26.9	44.9	94.2	2121.5	10917.2	11948.8	11329.9
60°	0.0	0.0	0.0	4.5	17.9	31.4	71.8	1996.0	11204.3	12298.7	12002.7
62.5°	0.0	0.0	0.0	0.0	4.5	13.5	49.3	1803.1	10625.7	12271.8	12653.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	31.4	1426.3	9558.2	11630.4	12294.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	17.9	986.8	8369.6	10823.0	11634.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	596.5	6754.9	9490.9	9867.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	255.7	4821.7	7535.3	8096.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103.2	2982.7	5507.9	6198.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	1933.2	4171.3	4705.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	1031.6	2614.9	3041.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	448.5	1587.8	1830.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.5	964.3	1098.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148.0	197.4
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: P599241
 CATALOG NUMBER: IFLD-M-SA4B-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2	6360.2
2.5°	6849.1	6979.1	7028.5	6952.2	6961.2	6804.2	6781.8	6562.0	6472.3	6490.2
5°	7163.0	7351.4	7454.6	7369.3	7176.5	6876.0	6602.4	6342.2	6180.7	6100.0
7.5°	7091.3	7302.1	7432.1	7512.9	7293.1	6808.7	6391.6	5902.7	5696.3	5700.8
10°	6696.6	7136.1	7400.7	7297.6	7194.4	6710.0	6064.1	5534.9	5351.0	5368.9
12.5°	6378.1	6867.0	7024.0	7104.7	6893.9	6508.2	6073.1	5467.6	5261.3	5135.7
15°	6180.7	6544.1	6553.0	6678.6	6593.4	6593.4	6167.3	5575.2	5395.8	5256.8
17.5°	6180.7	6261.5	6252.5	6297.4	6440.9	6611.3	6405.0	6010.3	5656.0	5633.5
20°	6319.8	6068.6	6010.3	6028.2	6149.3	6656.2	6929.8	6436.4	6212.1	6140.4
22.5°	6642.7	6091.0	5736.7	5673.9	6046.2	6651.7	7266.2	7109.2	6719.0	6660.7
25°	7086.8	6050.7	5664.9	5584.2	5866.8	6813.2	7728.2	7759.6	7405.2	7284.1
27.5°	7508.4	6230.1	5656.0	5638.0	6010.3	6777.3	8046.6	8279.9	7880.7	7782.0
30°	7651.9	6409.5	5821.9	5584.2	6064.1	6907.4	8037.7	8647.7	8387.5	8409.9
32.5°	7822.4	6588.9	5839.9	5745.7	6292.9	7118.2	8293.3	9239.7	9051.3	8786.7
35°	8073.5	6831.1	6010.3	5925.1	6454.3	7306.6	8347.1	9674.8	9643.4	9333.9
37.5°	8288.8	7068.8	6364.6	6378.1	6947.7	7611.6	8584.9	10208.5	10154.7	9943.9
40°	8441.3	7400.7	6916.3	6952.2	7378.3	7952.4	9006.5	10477.7	10876.9	10567.4
42.5°	8463.8	7696.8	7548.8	7835.8	8235.0	8481.7	9176.9	10661.6	11235.7	11033.8
45°	8549.0	8167.7	8580.4	8791.2	9118.6	8948.2	9168.0	10975.5	11262.6	11159.4
47.5°	8880.9	9024.4	9544.7	10186.1	10302.7	9742.1	9383.2	11024.9	11415.1	11401.6
50°	9226.3	9943.9	10675.0	11101.1	11249.1	10289.3	9585.1	10984.5	11616.9	11509.3
52.5°	9612.0	10742.3	11796.3	12321.1	12240.4	10894.8	9813.8	11311.9	11989.2	11953.3
55°	9854.2	11101.1	12518.5	13249.6	13186.8	11572.1	10540.5	11782.9	12478.1	12388.4
57.5°	10495.6	11684.2	13236.1	13577.0	13743.0	12460.2	11047.3	12554.4	12886.3	12984.9
60°	11024.9	12065.5	13424.5	13917.9	13976.2	12989.4	11935.4	13348.3	13406.6	13074.6
62.5°	11800.8	12213.5	13025.3	13469.4	13769.9	13289.9	12733.8	13774.4	13397.6	13375.2
65°	12370.5	11729.1	12280.8	12527.4	12720.3	12832.4	13536.6	14065.9	13231.6	12796.6
67.5°	12052.0	10814.1	10710.9	10724.4	10782.7	11459.9	13267.5	13352.7	12307.7	11948.8
70°	10607.7	8871.9	8732.9	8840.5	8549.0	9365.3	12177.6	12137.2	10858.9	10486.6
72.5°	8580.4	6467.8	6230.1	6378.1	6445.4	7311.0	10244.4	9203.8	7921.0	7629.5
75°	6817.7	4741.0	4000.9	4359.7	4588.5	5324.1	8001.8	6252.5	5530.4	5135.7
77.5°	5355.4	3588.2	3112.8	2969.3	3180.1	3870.8	5821.9	3283.2	2897.5	2713.6
80°	3395.4	2637.4	2861.6	2655.3	2745.0	2762.9	3032.1	1493.6	1188.6	1175.1
82.5°	2045.3	1803.1	2144.0	1179.6	2148.5	1919.7	1260.4	677.3	601.0	601.0
85°	1448.8	1116.8	740.1	479.9	955.4	1054.0	488.9	349.9	305.0	296.0
87.5°	726.6	345.4	166.0	107.6	121.1	197.4	58.3	26.9	26.9	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)