

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: P598839

Luminaire Tested: **IFLD-L-SA7A-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598839
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

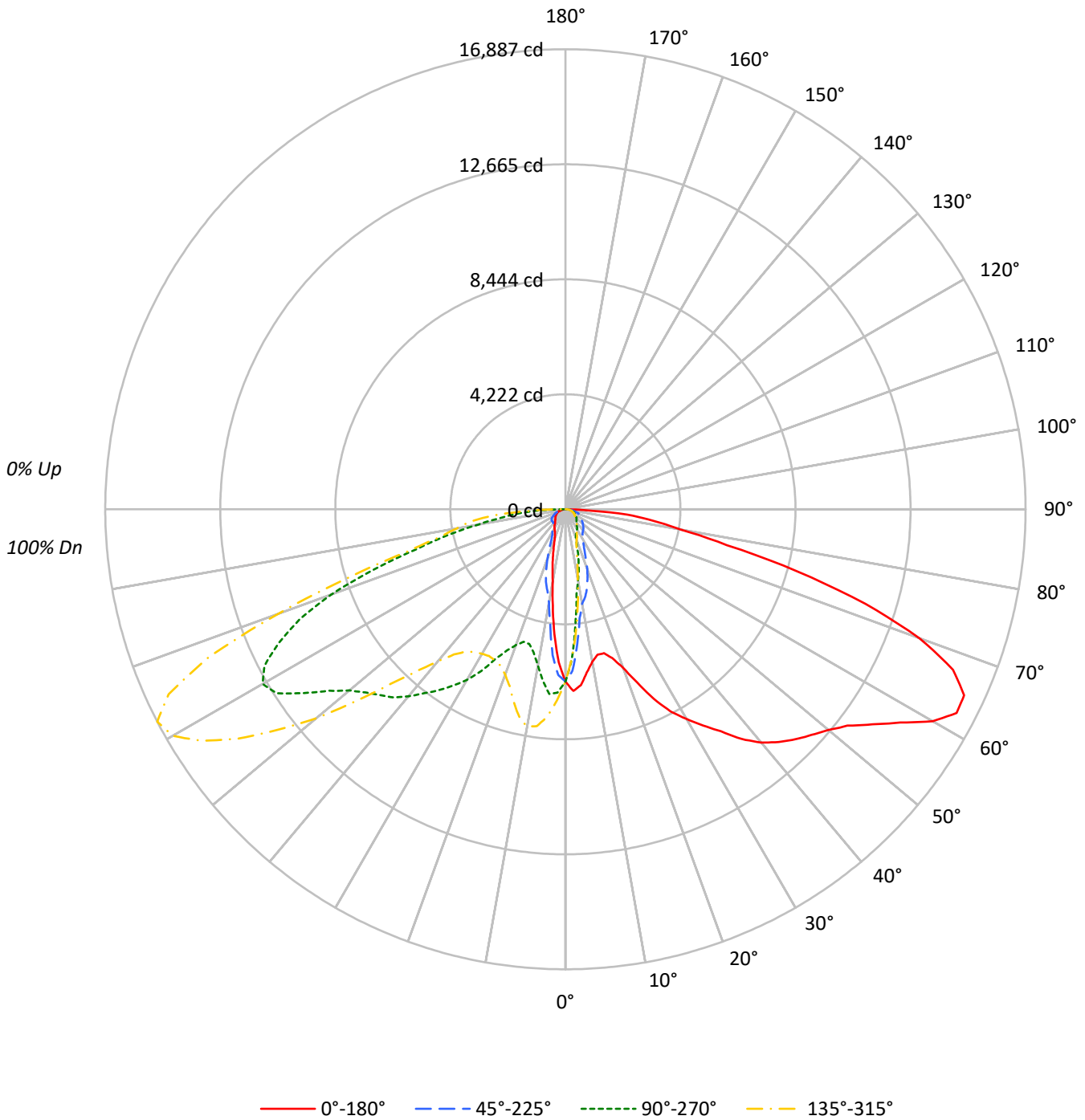
Lumens per Lamp: N/A
 Luminaire Lumens: 21155.1 lumens
 Efficiency: N/A
 Efficacy: 97.2 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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

TEST NUMBER: P598839
CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

Luminous Intensity Polar Plot



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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	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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77													
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59													
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46													
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36													
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30													
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25													
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21													
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18													
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16													
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34011	34011	34011	34011
5°	35001	22760	24865	36771
10°	31053	14463	14607	31778
15°	30476	10257	9715	28504
20°	35433	6489	6539	30364
25°	45568	5571	5413	35897
30°	55223	5281	4951	44937
35°	65361	4652	4478	53266
40°	78535	4415	4104	62928
45°	90875	4379	3975	73360
50°	105526	4446	4001	86630
55°	129139	4568	4069	110370
60°	167482	4573	4287	138044
65°	205587	4621	4396	147766
70°	217544	4875	4596	143869
75°	183125	5153	4602	117421
80°	133043	6034	4665	101497
85°	141008	8744	3829	105483

TEST NUMBER: P598839
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.1	2.3
10°-20°	1023.6	4.8
20°-30°	1475.0	7.0
30°-40°	2123.5	10.0
40°-50°	3016.2	14.3
50°-60°	4336.5	20.5
60°-70°	5010.1	23.7
70°-80°	2836.8	13.4
80°-90°	844.3	4.0
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°	2987.7	14.1
0°-40°	5111.2	24.2
0°-60°	12463.9	58.9
0°-90°	21155.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21155.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6319	6319	6319	6319	6319	
5°	6479	4213	4602	6806	6479	588
15°	5470	1841	1744	5116	5470	1608
25°	7674	938	912	6045	7674	3562
35°	9948	708	682	8107	9948	6314
45°	11940	575	522	9638	11940	9245
55°	13763	487	434	11763	13763	12464
65°	16144	363	345	11603	16144	15481
75°	8806	248	221	5647	8806	9344
85°	2284	142	62	1708	2284	2274
90°	0	0	0	0	0	

TEST NUMBER: P598839
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4
2.5°	6673.4	6664.6	6611.5	6443.3	6266.3	6098.1	5938.8	5770.7	5682.2	5575.9	5531.7
5°	6478.7	6461.0	6310.6	5938.8	5611.4	5257.3	4956.4	4717.4	4522.7	4328.0	4257.2
7.5°	6036.2	6009.6	5832.6	5319.3	4841.3	4381.1	4018.2	3708.4	3451.8	3336.7	3204.0
10°	5682.2	5637.9	5407.8	4841.3	4221.8	3761.6	3522.6	3310.2	3088.9	2903.0	2708.3
12.5°	5460.9	5407.8	5168.8	4505.0	3903.2	3558.0	3310.2	3071.2	2796.8	2566.7	2354.3
15°	5469.7	5407.8	5115.7	4416.5	3823.5	3381.0	3035.8	2708.3	2389.7	2133.0	1894.1
17.5°	5726.4	5646.8	5337.0	4540.4	3761.6	3150.9	2690.6	2265.8	1902.9	1628.5	1433.8
20°	6186.6	6133.5	5779.5	4726.3	3699.6	2903.0	2336.6	1823.2	1442.7	1230.2	1150.6
22.5°	6877.0	6815.0	6434.5	5009.5	3681.9	2681.8	1956.0	1433.8	1159.4	1070.9	1026.7
25°	7673.6	7558.5	7204.5	5487.4	3717.3	2478.2	1646.2	1186.0	1035.5	973.6	947.0
27.5°	8363.9	8293.1	7894.8	5938.8	3735.0	2318.9	1433.8	1079.8	964.7	911.6	893.9
30°	8886.1	8859.6	8470.1	6434.5	3690.7	2124.2	1301.1	1035.5	964.7	911.6	858.5
32.5°	9408.3	9417.2	9001.2	6815.0	3628.8	1956.0	1177.1	920.5	849.7	814.3	823.1
35°	9948.2	9992.5	9638.4	7186.8	3496.0	1894.1	1088.6	858.5	796.6	743.5	716.9
37.5°	10629.7	10744.8	10399.6	7602.8	3363.3	1840.9	1044.4	814.3	752.3	708.1	672.7
40°	11178.4	11390.9	11187.3	7992.2	3274.8	1779.0	1009.0	770.0	725.8	672.7	646.1
42.5°	11585.6	11833.4	11762.6	8293.1	3274.8	1717.0	973.6	743.5	708.1	646.1	610.7
45°	11939.6	12196.3	12187.4	8602.9	3345.6	1681.6	929.3	743.5	690.4	628.4	593.0
47.5°	12258.2	12514.9	12603.4	8992.3	3460.6	1663.9	876.2	725.8	690.4	619.5	566.4
50°	12603.4	12886.6	13152.2	9611.9	3602.2	1619.7	840.8	699.2	699.2	610.7	548.7
52.5°	13045.9	13364.6	13851.4	10381.9	3743.9	1540.0	787.7	681.5	699.2	601.8	531.0
55°	13762.9	14028.4	14665.6	11302.4	3920.9	1442.7	743.5	637.3	663.8	575.3	504.5
57.5°	14568.3	14798.4	15329.4	12010.4	3974.0	1318.8	681.5	593.0	637.3	548.7	469.1
60°	15559.6	15674.6	15674.6	12214.0	3797.0	1203.7	637.3	557.6	575.3	522.2	442.5
62.5°	16188.0	16188.0	15674.6	11842.3	3460.6	1106.3	601.8	522.2	504.5	486.8	416.0
65°	16143.7	16072.9	15311.7	10762.5	3071.2	1044.4	566.4	477.9	451.4	442.5	389.4
67.5°	15400.2	15276.3	14240.8	9240.1	2664.1	1017.8	531.0	433.7	416.0	398.3	354.0
70°	13824.8	13506.2	12231.7	7434.6	2265.8	1000.1	522.2	398.3	380.6	362.9	327.5
72.5°	11541.3	11134.2	9549.9	5717.6	1902.9	938.2	495.6	354.0	345.2	327.5	292.1
75°	8806.5	8054.1	6664.6	4372.3	1478.1	814.3	424.8	309.8	309.8	300.9	265.5
77.5°	6071.6	5682.2	4646.6	3230.5	1079.8	628.4	345.2	274.4	274.4	283.2	247.8
80°	4292.6	3929.7	3310.2	2318.9	681.5	424.8	265.5	230.1	256.7	274.4	230.1
82.5°	3283.6	3018.1	2460.5	1690.5	398.3	292.1	203.6	185.9	221.3	239.0	194.7
85°	2283.5	1964.9	1248.0	1132.9	230.1	177.0	150.5	150.5	194.7	239.0	177.0
87.5°	646.1	274.4	79.7	336.3	97.4	70.8	53.1	35.4	53.1	53.1	35.4
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: P598839
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4
2.5°	5487.4	5434.3	5434.3	5416.6	5425.5	5434.3	5425.5	5487.4	5514.0	5549.4	5620.2
5°	4212.9	4283.7	4230.6	4283.7	4354.5	4460.8	4487.3	4567.0	4575.8	4637.8	4602.4
7.5°	3124.3	3115.5	3071.2	3133.2	3327.9	3478.3	3549.1	3593.4	3602.2	3602.2	3558.0
10°	2646.4	2566.7	2487.0	2442.8	2460.5	2619.8	2672.9	2699.5	2681.8	2708.3	2672.9
12.5°	2265.8	2195.0	2079.9	2000.3	1947.2	1991.4	2044.5	2071.1	2088.8	2133.0	2168.4
15°	1840.9	1770.1	1699.3	1655.1	1610.8	1575.4	1619.7	1646.2	1690.5	1725.9	1743.6
17.5°	1398.4	1363.0	1327.6	1354.2	1354.2	1336.5	1354.2	1363.0	1380.7	1407.3	1398.4
20°	1132.9	1124.0	1115.2	1159.4	1194.8	1194.8	1212.5	1186.0	1177.1	1150.6	1141.7
22.5°	1009.0	1009.0	1017.8	1053.2	1088.6	1106.3	1106.3	1062.1	1017.8	1000.1	1009.0
25°	938.2	938.2	964.7	973.6	991.3	991.3	1000.1	955.9	929.3	902.8	911.6
27.5°	885.1	885.1	893.9	893.9	902.8	902.8	911.6	893.9	858.5	849.7	849.7
30°	849.7	849.7	840.8	840.8	840.8	840.8	849.7	823.1	805.4	796.6	796.6
32.5°	814.3	805.4	796.6	796.6	787.7	787.7	796.6	770.0	761.2	761.2	761.2
35°	708.1	699.2	708.1	725.8	725.8	734.6	734.6	725.8	708.1	690.4	681.5
37.5°	663.8	655.0	655.0	655.0	672.7	681.5	690.4	672.7	646.1	619.5	619.5
40°	628.4	628.4	619.5	619.5	619.5	637.3	655.0	628.4	593.0	584.1	584.1
42.5°	601.8	593.0	584.1	575.3	566.4	593.0	610.7	575.3	557.6	557.6	557.6
45°	575.3	566.4	557.6	548.7	539.9	548.7	566.4	531.0	522.2	522.2	522.2
47.5°	548.7	539.9	522.2	513.3	504.5	504.5	522.2	495.6	486.8	495.6	495.6
50°	531.0	513.3	495.6	486.8	477.9	477.9	477.9	469.1	469.1	469.1	477.9
52.5°	513.3	495.6	469.1	460.2	451.4	451.4	451.4	451.4	442.5	451.4	460.2
55°	486.8	469.1	451.4	442.5	433.7	424.8	433.7	424.8	424.8	433.7	433.7
57.5°	451.4	433.7	416.0	416.0	407.1	407.1	416.0	407.1	407.1	416.0	416.0
60°	424.8	407.1	389.4	389.4	380.6	389.4	398.3	389.4	389.4	389.4	398.3
62.5°	389.4	380.6	362.9	362.9	362.9	362.9	371.7	362.9	371.7	371.7	371.7
65°	362.9	345.2	336.3	336.3	336.3	336.3	354.0	336.3	345.2	345.2	345.2
67.5°	336.3	318.6	309.8	309.8	309.8	309.8	327.5	309.8	318.6	327.5	318.6
70°	309.8	292.1	283.2	283.2	283.2	283.2	292.1	283.2	283.2	292.1	292.1
72.5°	274.4	265.5	256.7	256.7	247.8	256.7	265.5	256.7	256.7	256.7	256.7
75°	247.8	239.0	239.0	230.1	230.1	230.1	239.0	221.3	221.3	221.3	221.3
77.5°	230.1	212.4	212.4	212.4	203.6	212.4	203.6	185.9	185.9	185.9	185.9
80°	194.7	177.0	185.9	185.9	177.0	177.0	168.2	150.5	150.5	150.5	150.5
82.5°	159.3	141.6	150.5	150.5	150.5	150.5	132.8	123.9	115.1	106.2	106.2
85°	141.6	115.1	132.8	132.8	123.9	123.9	88.5	88.5	70.8	70.8	62.0
87.5°	26.6	17.7	35.4	44.3	44.3	53.1	35.4	44.3	26.6	17.7	17.7
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: P598839
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4
2.5°	5611.4	5708.7	5841.5	5938.8	6089.3	6204.3	6381.4	6531.8	6673.4	6735.4	6797.3
5°	4708.6	4770.5	4974.1	5133.4	5372.4	5629.1	5947.7	6292.9	6646.9	6806.2	6992.1
7.5°	3522.6	3637.6	3752.7	3982.8	4274.9	4690.9	5098.0	5611.4	6107.0	6346.0	6664.6
10°	2734.9	2823.4	2956.1	3195.1	3469.5	3814.7	4301.4	4912.1	5505.1	5814.9	6142.4
12.5°	2195.0	2318.9	2495.9	2743.7	3062.3	3416.4	3770.4	4336.8	5027.2	5381.2	5753.0
15°	1779.0	1876.4	2071.1	2380.8	2752.6	3115.5	3487.2	3956.3	4708.6	5115.7	5558.2
17.5°	1416.1	1486.9	1663.9	1973.7	2345.4	2752.6	3177.4	3770.4	4602.4	5098.0	5620.2
20°	1150.6	1203.7	1318.8	1548.9	1902.9	2345.4	2876.5	3593.4	4664.3	5301.6	5938.8
22.5°	1009.0	1026.7	1079.8	1203.7	1495.8	1964.9	2602.1	3442.9	4779.4	5602.5	6461.0
25°	911.6	929.3	947.0	1026.7	1194.8	1637.4	2363.1	3354.4	5027.2	6045.0	7062.9
27.5°	849.7	867.4	876.2	911.6	1026.7	1398.4	2159.6	3301.3	5363.5	6691.1	7806.3
30°	796.6	796.6	823.1	876.2	955.9	1230.2	1982.6	3177.4	5717.6	7231.0	8390.5
32.5°	752.3	761.2	796.6	823.1	876.2	1088.6	1805.5	3018.1	6036.2	7673.6	8965.8
35°	672.7	672.7	681.5	725.8	796.6	973.6	1646.2	2858.8	6213.2	8107.3	9479.1
37.5°	619.5	628.4	646.1	681.5	743.5	893.9	1513.5	2681.8	6399.1	8514.4	10081.0
40°	584.1	593.0	610.7	646.1	708.1	823.1	1398.4	2540.2	6593.8	8956.9	10727.1
42.5°	557.6	566.4	584.1	619.5	672.7	805.4	1274.5	2425.1	6708.8	9364.1	11337.8
45°	531.0	539.9	566.4	601.8	646.1	787.7	1203.7	2345.4	6753.1	9638.4	11824.6
47.5°	504.5	513.3	539.9	593.0	646.1	761.2	1177.1	2301.2	6788.5	9948.2	12214.0
50°	477.9	495.6	531.0	584.1	655.0	725.8	1159.4	2292.3	6992.1	10346.5	12585.7
52.5°	460.2	486.8	522.2	584.1	646.1	672.7	1150.6	2318.9	7399.2	10939.5	13116.8
55°	442.5	469.1	504.5	584.1	619.5	628.4	1106.3	2363.1	8018.7	11762.6	13869.1
57.5°	424.8	442.5	486.8	566.4	584.1	593.0	1017.8	2425.1	8638.3	12568.0	14639.1
60°	398.3	416.0	460.2	566.4	531.0	557.6	902.8	2442.8	9080.8	12824.7	14709.9
62.5°	371.7	389.4	433.7	584.1	486.8	522.2	805.4	2380.8	9169.3	12453.0	14311.6
65°	345.2	362.9	398.3	486.8	451.4	486.8	743.5	2212.7	8877.3	11603.3	13585.8
67.5°	318.6	336.3	362.9	398.3	407.1	442.5	716.9	1947.2	8142.7	10550.0	12594.6
70°	283.2	300.9	327.5	354.0	362.9	416.0	672.7	1690.5	6956.7	9142.8	11382.0
72.5°	256.7	265.5	292.1	309.8	327.5	380.6	646.1	1478.1	5319.3	7399.2	9284.4
75°	221.3	221.3	247.8	265.5	283.2	336.3	593.0	1230.2	3752.7	5646.8	6823.9
77.5°	185.9	185.9	203.6	221.3	239.0	292.1	504.5	1000.1	2602.1	4478.5	4947.5
80°	141.6	141.6	159.3	177.0	194.7	247.8	407.1	734.6	1610.8	3274.8	3602.2
82.5°	97.4	97.4	123.9	132.8	141.6	194.7	309.8	504.5	947.0	2363.1	2575.6
85°	53.1	53.1	70.8	79.7	97.4	141.6	230.1	354.0	566.4	1708.2	1717.0
87.5°	8.9	8.9	26.6	26.6	44.3	70.8	132.8	194.7	318.6	947.0	601.8
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: P598839
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4	6319.4
2.5°	6912.4	7009.8	7018.6	7018.6	6974.4	6983.2	6859.3	6726.5	6682.3	6673.4
5°	7275.3	7532.0	7602.8	7638.2	7523.1	7346.1	7027.5	6682.3	6505.3	6478.7
7.5°	7204.5	7717.8	7992.2	8027.6	7797.5	7381.5	6823.9	6292.9	6089.3	6036.2
10°	6788.5	7478.9	7974.5	8098.4	7850.6	7319.5	6593.8	5974.2	5726.4	5682.2
12.5°	6496.4	7160.2	7647.0	7815.2	7700.1	7239.9	6478.7	5770.7	5522.8	5460.9
15°	6337.1	6947.8	7266.4	7319.5	7310.7	7116.0	6478.7	5814.9	5540.5	5469.7
17.5°	6469.9	6885.9	6930.1	6806.2	6877.0	6974.4	6620.3	6053.9	5788.4	5726.4
20°	6735.4	6859.3	6646.9	6461.0	6496.4	6806.2	6841.6	6505.3	6292.9	6186.6
22.5°	7293.0	6956.7	6469.9	6213.2	6239.8	6673.4	7133.7	7116.0	6930.1	6877.0
25°	7859.4	7231.0	6416.8	6115.8	6151.2	6646.9	7478.9	7797.5	7700.1	7673.6
27.5°	8487.8	7691.3	6452.2	6071.6	6115.8	6682.3	7717.8	8372.8	8390.5	8363.9
30°	8912.7	7912.5	6558.4	6124.7	6186.6	6770.8	7770.9	8718.0	8877.3	8886.1
32.5°	9266.7	8133.8	6779.6	6213.2	6319.4	6930.1	7912.5	9045.4	9399.5	9408.3
35°	9549.9	8381.6	7054.0	6372.5	6531.8	7195.6	8098.4	9355.2	9886.2	9948.2
37.5°	9912.8	8656.0	7372.6	6717.7	6894.7	7576.2	8425.9	9718.1	10461.5	10629.7
40°	10302.2	8930.4	7832.9	7275.3	7532.0	8142.7	8797.6	10125.2	10948.3	11178.4
42.5°	10735.9	9222.4	8355.1	8027.6	8417.0	8859.6	9222.4	10496.9	11320.1	11585.6
45°	11160.7	9576.5	9116.2	9054.3	9488.0	9709.2	9638.4	10762.5	11674.1	11939.6
47.5°	11461.7	10089.8	10036.7	10408.4	10815.6	10700.5	10125.2	10957.2	11966.2	12258.2
50°	11736.0	10727.1	11196.1	11921.9	12169.7	11780.3	10647.4	11222.7	12275.9	12603.4
52.5°	12143.2	11408.6	12391.0	13293.8	13532.7	12913.2	11213.9	11656.4	12753.9	13045.9
55°	12975.1	12178.6	13638.9	14674.5	14718.7	13948.7	11975.0	12391.0	13426.5	13762.9
57.5°	13904.5	13125.6	14630.2	15816.2	15798.5	14984.3	12833.5	13382.3	14338.2	14568.3
60°	14745.3	14081.5	15710.0	16630.5	16586.2	15736.6	13833.7	14506.3	15382.5	15559.6
62.5°	15240.9	14948.9	16188.0	16887.2	16719.0	15984.4	14683.3	15506.4	16126.0	16188.0
65°	15161.3	15444.5	15630.4	16064.0	15825.1	15294.0	15099.3	16143.7	16205.7	16143.7
67.5°	14559.4	15161.3	14099.2	14143.4	14019.5	13568.1	14453.2	15975.5	15550.7	15400.2
70°	13647.8	13692.1	11789.1	11231.6	11426.3	10806.7	12399.8	14665.6	14010.7	13824.8
72.5°	12134.3	11585.6	8912.7	8346.2	8638.3	8195.8	9948.2	12780.4	12143.2	11541.3
75°	10178.3	9178.2	6788.5	5983.1	6133.5	6115.8	7709.0	10558.9	9408.3	8806.5
77.5°	7886.0	7151.4	5009.5	4699.7	4540.4	4575.8	5381.2	7850.6	6823.9	6071.6
80°	5761.8	5000.7	3876.6	4053.6	3965.1	3752.7	3770.4	5257.3	4744.0	4292.6
82.5°	3982.8	3558.0	3142.0	3549.1	3336.7	3009.2	2938.4	3788.1	3558.0	3283.6
85°	2672.9	2929.6	2495.9	2717.2	2354.3	2168.4	2761.4	3168.6	2557.9	2283.5
87.5°	1743.6	2681.8	1796.7	1363.0	778.9	1044.4	1690.5	2079.9	1194.8	646.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)