

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: P598703

Luminaire Tested: **IFLD-S-SA2A-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598703
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-740-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 4000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

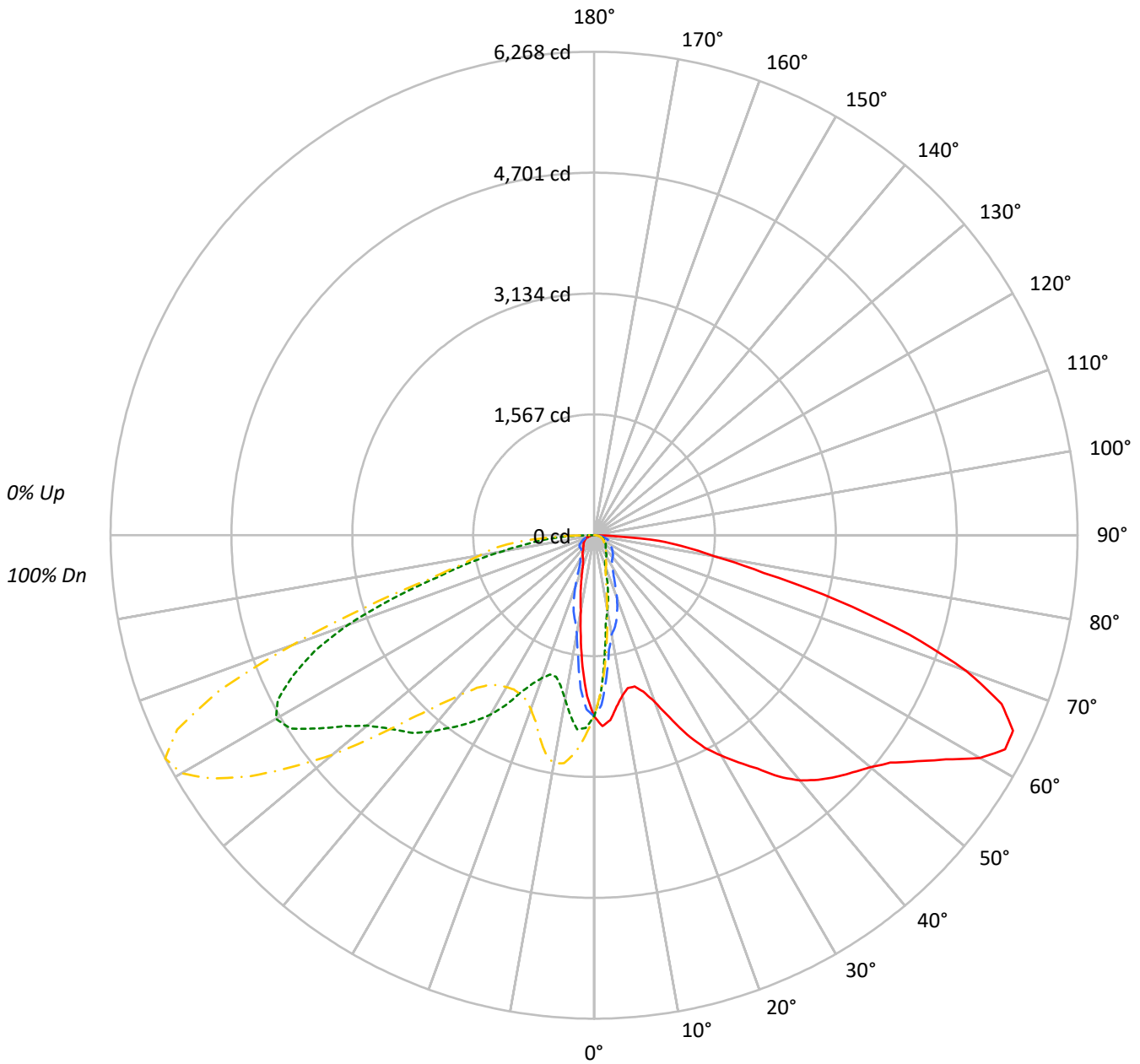
Lumens per Lamp: N/A
 Luminaire Lumens: 7852.7 lumens
 Efficiency: N/A
 Efficacy: 123.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 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

TEST NUMBER: P598703
CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°

TEST NUMBER: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50500	50500	50500	50500
5°	51970	33794	36919	54596
10°	46107	21473	21689	47185
15°	45252	15231	14424	42321
20°	52612	9633	9709	45083
25°	67659	8271	8038	53300
30°	81995	7840	7351	66722
35°	97049	6907	6649	79089
40°	116609	6556	6093	93435
45°	134932	6500	5900	108926
50°	156686	6601	5941	128627
55°	191743	6782	6043	163879
60°	248677	6790	6364	204966
65°	305253	6862	6525	219400
70°	323005	7238	6823	213617
75°	271898	7652	6829	174348
80°	197540	8963	6930	150703
85°	209361	12992	5681	156625

TEST NUMBER: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	2.3
10°-20°	379.9	4.8
20°-30°	547.5	7.0
30°-40°	788.2	10.0
40°-50°	1119.6	14.3
50°-60°	1609.7	20.5
60°-70°	1859.7	23.7
70°-80°	1053.0	13.4
80°-90°	313.4	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°	1109.0	14.1
0°-40°	1897.2	24.2
0°-60°	4626.6	58.9
0°-90°	7852.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7852.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2346	2346	2346	2346	2346	
5°	2405	1564	1708	2526	2405	218
15°	2030	683	647	1899	2030	597
25°	2848	348	338	2244	2848	1322
35°	3693	263	253	3009	3693	2344
45°	4432	214	194	3578	4432	3432
55°	5109	181	161	4366	5109	4627
65°	5992	135	128	4307	5992	5746
75°	3269	92	82	2096	3269	3468
85°	848	53	23	634	848	844
90°	0	0	0	0	0	

TEST NUMBER: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2477.2	2473.9	2454.2	2391.7	2326.0	2263.6	2204.5	2142.1	2109.2	2069.8	2053.4
5°	2404.9	2398.3	2342.5	2204.5	2082.9	1951.5	1839.8	1751.1	1678.8	1606.5	1580.3
7.5°	2240.6	2230.8	2165.1	1974.5	1797.1	1626.3	1491.6	1376.6	1281.3	1238.6	1189.3
10°	2109.2	2092.8	2007.4	1797.1	1567.1	1396.3	1307.6	1228.7	1146.6	1077.6	1005.3
12.5°	2027.1	2007.4	1918.7	1672.3	1448.8	1320.7	1228.7	1140.0	1038.2	952.8	873.9
15°	2030.4	2007.4	1898.9	1639.4	1419.3	1255.0	1126.9	1005.3	887.0	791.8	703.1
17.5°	2125.6	2096.1	1981.1	1685.4	1396.3	1169.6	998.8	841.1	706.4	604.5	532.2
20°	2296.5	2276.8	2145.3	1754.4	1373.3	1077.6	867.3	676.8	535.5	456.7	427.1
22.5°	2552.7	2529.7	2388.5	1859.5	1366.7	995.5	726.1	532.2	430.4	397.5	381.1
25°	2848.4	2805.7	2674.3	2036.9	1379.9	919.9	611.1	440.2	384.4	361.4	351.5
27.5°	3104.7	3078.4	2930.5	2204.5	1386.4	860.8	532.2	400.8	358.1	338.4	331.8
30°	3298.5	3288.7	3144.1	2388.5	1370.0	788.5	482.9	384.4	358.1	338.4	318.7
32.5°	3492.3	3495.6	3341.2	2529.7	1347.0	726.1	437.0	341.7	315.4	302.3	305.5
35°	3692.8	3709.2	3577.8	2667.7	1297.7	703.1	404.1	318.7	295.7	276.0	266.1
37.5°	3945.7	3988.4	3860.3	2822.1	1248.4	683.4	387.7	302.3	279.3	262.8	249.7
40°	4149.4	4228.3	4152.7	2966.7	1215.6	660.4	374.5	285.8	269.4	249.7	239.8
42.5°	4300.5	4392.5	4366.3	3078.4	1215.6	637.4	361.4	276.0	262.8	239.8	226.7
45°	4432.0	4527.2	4524.0	3193.4	1241.9	624.2	345.0	276.0	256.3	233.3	220.1
47.5°	4550.2	4645.5	4678.4	3337.9	1284.6	617.6	325.3	269.4	256.3	230.0	210.3
50°	4678.4	4783.5	4882.1	3567.9	1337.1	601.2	312.1	259.5	259.5	226.7	203.7
52.5°	4842.6	4960.9	5141.6	3853.7	1389.7	571.7	292.4	253.0	259.5	223.4	197.1
55°	5108.7	5207.3	5443.9	4195.4	1455.4	535.5	276.0	236.5	246.4	213.5	187.3
57.5°	5407.7	5493.1	5690.3	4458.2	1475.1	489.5	253.0	220.1	236.5	203.7	174.1
60°	5775.7	5818.4	5818.4	4533.8	1409.4	446.8	236.5	207.0	213.5	193.8	164.3
62.5°	6008.9	6008.9	5818.4	4395.8	1284.6	410.7	223.4	193.8	187.3	180.7	154.4
65°	5992.5	5966.2	5683.7	3995.0	1140.0	387.7	210.3	177.4	167.6	164.3	144.6
67.5°	5716.5	5670.5	5286.2	3429.9	988.9	377.8	197.1	161.0	154.4	147.8	131.4
70°	5131.7	5013.5	4540.4	2759.7	841.1	371.2	193.8	147.8	141.3	134.7	121.6
72.5°	4284.1	4133.0	3544.9	2122.3	706.4	348.2	184.0	131.4	128.1	121.6	108.4
75°	3268.9	2989.7	2473.9	1623.0	548.7	302.3	157.7	115.0	115.0	111.7	98.6
77.5°	2253.8	2109.2	1724.8	1199.2	400.8	233.3	128.1	101.8	101.8	105.1	92.0
80°	1593.4	1458.7	1228.7	860.8	253.0	157.7	98.6	85.4	95.3	101.8	85.4
82.5°	1218.9	1120.3	913.3	627.5	147.8	108.4	75.6	69.0	82.1	88.7	72.3
85°	847.6	729.4	463.2	420.5	85.4	65.7	55.9	55.9	72.3	88.7	65.7
87.5°	239.8	101.8	29.6	124.8	36.1	26.3	19.7	13.1	19.7	19.7	13.1
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: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2036.9	2017.2	2017.2	2010.6	2013.9	2017.2	2013.9	2036.9	2046.8	2059.9	2086.2
5°	1563.8	1590.1	1570.4	1590.1	1616.4	1655.8	1665.7	1695.3	1698.5	1721.5	1708.4
7.5°	1159.7	1156.4	1140.0	1163.0	1235.3	1291.1	1317.4	1333.9	1337.1	1337.1	1320.7
10°	982.3	952.8	923.2	906.8	913.3	972.5	992.2	1002.0	995.5	1005.3	992.2
12.5°	841.1	814.8	772.1	742.5	722.8	739.2	758.9	768.8	775.3	791.8	804.9
15°	683.4	657.1	630.8	614.4	597.9	584.8	601.2	611.1	627.5	640.6	647.2
17.5°	519.1	505.9	492.8	502.7	502.7	496.1	502.7	505.9	512.5	522.4	519.1
20°	420.5	417.2	414.0	430.4	443.5	443.5	450.1	440.2	437.0	427.1	423.8
22.5°	374.5	374.5	377.8	391.0	404.1	410.7	410.7	394.2	377.8	371.2	374.5
25°	348.2	348.2	358.1	361.4	368.0	368.0	371.2	354.8	345.0	335.1	338.4
27.5°	328.5	328.5	331.8	331.8	335.1	335.1	338.4	331.8	318.7	315.4	315.4
30°	315.4	315.4	312.1	312.1	312.1	312.1	315.4	305.5	299.0	295.7	295.7
32.5°	302.3	299.0	295.7	295.7	292.4	292.4	295.7	285.8	282.5	282.5	282.5
35°	262.8	259.5	262.8	269.4	269.4	272.7	272.7	269.4	262.8	256.3	253.0
37.5°	246.4	243.1	243.1	243.1	249.7	253.0	256.3	249.7	239.8	230.0	230.0
40°	233.3	233.3	230.0	230.0	230.0	236.5	243.1	233.3	220.1	216.8	216.8
42.5°	223.4	220.1	216.8	213.5	210.3	220.1	226.7	213.5	207.0	207.0	207.0
45°	213.5	210.3	207.0	203.7	200.4	203.7	210.3	197.1	193.8	193.8	193.8
47.5°	203.7	200.4	193.8	190.6	187.3	187.3	193.8	184.0	180.7	184.0	184.0
50°	197.1	190.6	184.0	180.7	177.4	177.4	177.4	174.1	174.1	174.1	177.4
52.5°	190.6	184.0	174.1	170.8	167.6	167.6	167.6	167.6	164.3	167.6	170.8
55°	180.7	174.1	167.6	164.3	161.0	157.7	161.0	157.7	157.7	161.0	161.0
57.5°	167.6	161.0	154.4	154.4	151.1	151.1	154.4	151.1	151.1	154.4	154.4
60°	157.7	151.1	144.6	144.6	141.3	144.6	147.8	144.6	144.6	144.6	147.8
62.5°	144.6	141.3	134.7	134.7	134.7	134.7	138.0	134.7	138.0	138.0	138.0
65°	134.7	128.1	124.8	124.8	124.8	124.8	131.4	124.8	128.1	128.1	128.1
67.5°	124.8	118.3	115.0	115.0	115.0	115.0	121.6	115.0	118.3	121.6	118.3
70°	115.0	108.4	105.1	105.1	105.1	105.1	108.4	105.1	105.1	108.4	108.4
72.5°	101.8	98.6	95.3	95.3	92.0	95.3	98.6	95.3	95.3	95.3	95.3
75°	92.0	88.7	88.7	85.4	85.4	85.4	88.7	82.1	82.1	82.1	82.1
77.5°	85.4	78.8	78.8	78.8	75.6	78.8	75.6	69.0	69.0	69.0	69.0
80°	72.3	65.7	69.0	69.0	65.7	65.7	62.4	55.9	55.9	55.9	55.9
82.5°	59.1	52.6	55.9	55.9	55.9	55.9	49.3	46.0	42.7	39.4	39.4
85°	52.6	42.7	49.3	49.3	46.0	46.0	32.9	32.9	26.3	26.3	23.0
87.5°	9.9	6.6	13.1	16.4	16.4	19.7	13.1	16.4	9.9	6.6	6.6
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: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2082.9	2119.1	2168.3	2204.5	2260.3	2303.0	2368.8	2424.6	2477.2	2500.2	2523.2
5°	1747.8	1770.8	1846.4	1905.5	1994.2	2089.5	2207.8	2335.9	2467.3	2526.4	2595.4
7.5°	1307.6	1350.3	1393.0	1478.4	1586.8	1741.2	1892.4	2082.9	2266.9	2355.6	2473.9
10°	1015.2	1048.0	1097.3	1186.0	1287.9	1416.0	1596.7	1823.4	2043.5	2158.5	2280.0
12.5°	814.8	860.8	926.5	1018.5	1136.7	1268.2	1399.6	1609.8	1866.1	1997.5	2135.5
15°	660.4	696.5	768.8	883.8	1021.7	1156.4	1294.4	1468.6	1747.8	1898.9	2063.2
17.5°	525.7	551.9	617.6	732.6	870.6	1021.7	1179.4	1399.6	1708.4	1892.4	2086.2
20°	427.1	446.8	489.5	574.9	706.4	870.6	1067.7	1333.9	1731.4	1967.9	2204.5
22.5°	374.5	381.1	400.8	446.8	555.2	729.4	965.9	1278.0	1774.1	2079.6	2398.3
25°	338.4	345.0	351.5	381.1	443.5	607.8	877.2	1245.2	1866.1	2243.9	2621.7
27.5°	315.4	322.0	325.3	338.4	381.1	519.1	801.6	1225.4	1990.9	2483.7	2897.7
30°	295.7	295.7	305.5	325.3	354.8	456.7	735.9	1179.4	2122.3	2684.1	3114.5
32.5°	279.3	282.5	295.7	305.5	325.3	404.1	670.2	1120.3	2240.6	2848.4	3328.1
35°	249.7	249.7	253.0	269.4	295.7	361.4	611.1	1061.2	2306.3	3009.4	3518.6
37.5°	230.0	233.3	239.8	253.0	276.0	331.8	561.8	995.5	2375.3	3160.5	3742.0
40°	216.8	220.1	226.7	239.8	262.8	305.5	519.1	942.9	2447.6	3324.8	3981.9
42.5°	207.0	210.3	216.8	230.0	249.7	299.0	473.1	900.2	2490.3	3475.9	4208.6
45°	197.1	200.4	210.3	223.4	239.8	292.4	446.8	870.6	2506.7	3577.8	4389.3
47.5°	187.3	190.6	200.4	220.1	239.8	282.5	437.0	854.2	2519.9	3692.8	4533.8
50°	177.4	184.0	197.1	216.8	243.1	269.4	430.4	850.9	2595.4	3840.6	4671.8
52.5°	170.8	180.7	193.8	216.8	239.8	249.7	427.1	860.8	2746.6	4060.7	4868.9
55°	164.3	174.1	187.3	216.8	230.0	233.3	410.7	877.2	2976.5	4366.3	5148.2
57.5°	157.7	164.3	180.7	210.3	216.8	220.1	377.8	900.2	3206.5	4665.2	5434.0
60°	147.8	154.4	170.8	210.3	197.1	207.0	335.1	906.8	3370.8	4760.5	5460.3
62.5°	138.0	144.6	161.0	216.8	180.7	193.8	299.0	883.8	3403.6	4622.5	5312.4
65°	128.1	134.7	147.8	180.7	167.6	180.7	276.0	821.3	3295.2	4307.1	5043.0
67.5°	118.3	124.8	134.7	147.8	151.1	164.3	266.1	722.8	3022.5	3916.2	4675.1
70°	105.1	111.7	121.6	131.4	134.7	154.4	249.7	627.5	2582.3	3393.8	4225.0
72.5°	95.3	98.6	108.4	115.0	121.6	141.3	239.8	548.7	1974.5	2746.6	3446.4
75°	82.1	82.1	92.0	98.6	105.1	124.8	220.1	456.7	1393.0	2096.1	2533.0
77.5°	69.0	69.0	75.6	82.1	88.7	108.4	187.3	371.2	965.9	1662.4	1836.5
80°	52.6	52.6	59.1	65.7	72.3	92.0	151.1	272.7	597.9	1215.6	1337.1
82.5°	36.1	36.1	46.0	49.3	52.6	72.3	115.0	187.3	351.5	877.2	956.0
85°	19.7	19.7	26.3	29.6	36.1	52.6	85.4	131.4	210.3	634.1	637.4
87.5°	3.3	3.3	9.9	9.9	16.4	26.3	49.3	72.3	118.3	351.5	223.4
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: P598703
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2565.9	2602.0	2605.3	2605.3	2588.9	2592.2	2546.2	2496.9	2480.5	2477.2
5°	2700.6	2795.8	2822.1	2835.3	2792.6	2726.9	2608.6	2480.5	2414.7	2404.9
7.5°	2674.3	2864.8	2966.7	2979.8	2894.4	2740.0	2533.0	2335.9	2260.3	2240.6
10°	2519.9	2776.1	2960.1	3006.1	2914.1	2717.0	2447.6	2217.6	2125.6	2109.2
12.5°	2411.5	2657.9	2838.6	2901.0	2858.3	2687.4	2404.9	2142.1	2050.1	2027.1
15°	2352.3	2579.0	2697.3	2717.0	2713.7	2641.4	2404.9	2158.5	2056.6	2030.4
17.5°	2401.6	2556.0	2572.4	2526.4	2552.7	2588.9	2457.5	2247.2	2148.6	2125.6
20°	2500.2	2546.2	2467.3	2398.3	2411.5	2526.4	2539.6	2414.7	2335.9	2296.5
22.5°	2707.1	2582.3	2401.6	2306.3	2316.2	2477.2	2648.0	2641.4	2572.4	2552.7
25°	2917.4	2684.1	2381.9	2270.2	2283.3	2467.3	2776.1	2894.4	2858.3	2848.4
27.5°	3150.7	2855.0	2395.0	2253.8	2270.2	2480.5	2864.8	3108.0	3114.5	3104.7
30°	3308.4	2937.1	2434.5	2273.5	2296.5	2513.3	2884.6	3236.1	3295.2	3298.5
32.5°	3439.8	3019.3	2516.6	2306.3	2345.8	2572.4	2937.1	3357.6	3489.1	3492.3
35°	3544.9	3111.2	2618.4	2365.5	2424.6	2671.0	3006.1	3472.6	3669.8	3692.8
37.5°	3679.6	3213.1	2736.7	2493.6	2559.3	2812.3	3127.7	3607.3	3883.3	3945.7
40°	3824.2	3314.9	2907.6	2700.6	2795.8	3022.5	3265.7	3758.5	4064.0	4149.4
42.5°	3985.2	3423.4	3101.4	2979.8	3124.4	3288.7	3423.4	3896.4	4202.0	4300.5
45°	4142.9	3554.8	3383.9	3360.9	3521.9	3604.0	3577.8	3995.0	4333.4	4432.0
47.5°	4254.6	3745.3	3725.6	3863.6	4014.7	3972.0	3758.5	4067.3	4441.8	4550.2
50°	4356.4	3981.9	4156.0	4425.4	4517.4	4372.8	3952.3	4165.8	4556.8	4678.4
52.5°	4507.5	4234.8	4599.5	4934.6	5023.3	4793.4	4162.6	4326.8	4734.2	4842.6
55°	4816.4	4520.7	5062.8	5447.1	5463.6	5177.7	4445.1	4599.5	4983.9	5108.7
57.5°	5161.3	4872.2	5430.7	5871.0	5864.4	5562.1	4763.8	4967.5	5322.3	5407.7
60°	5473.4	5227.0	5831.5	6173.2	6156.8	5841.4	5135.0	5384.7	5710.0	5775.7
62.5°	5657.4	5549.0	6008.9	6268.5	6206.1	5933.4	5450.4	5756.0	5985.9	6008.9
65°	5627.8	5733.0	5802.0	5962.9	5874.2	5677.1	5604.8	5992.5	6015.5	5992.5
67.5°	5404.4	5627.8	5233.6	5250.0	5204.0	5036.5	5365.0	5930.1	5772.4	5716.5
70°	5066.0	5082.5	4376.1	4169.1	4241.4	4011.4	4602.8	5443.9	5200.7	5131.7
72.5°	4504.2	4300.5	3308.4	3098.1	3206.5	3042.3	3692.8	4744.1	4507.5	4284.1
75°	3778.2	3406.9	2519.9	2220.9	2276.8	2270.2	2861.6	3919.4	3492.3	3268.9
77.5°	2927.3	2654.6	1859.5	1744.5	1685.4	1698.5	1997.5	2914.1	2533.0	2253.8
80°	2138.8	1856.2	1439.0	1504.7	1471.8	1393.0	1399.6	1951.5	1761.0	1593.4
82.5°	1478.4	1320.7	1166.3	1317.4	1238.6	1117.0	1090.7	1406.1	1320.7	1218.9
85°	992.2	1087.5	926.5	1008.6	873.9	804.9	1025.0	1176.2	949.5	847.6
87.5°	647.2	995.5	666.9	505.9	289.1	387.7	627.5	772.1	443.5	239.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)