

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: P598765

Luminaire Tested: **IFLD-S-SA2E-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598765
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2E-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

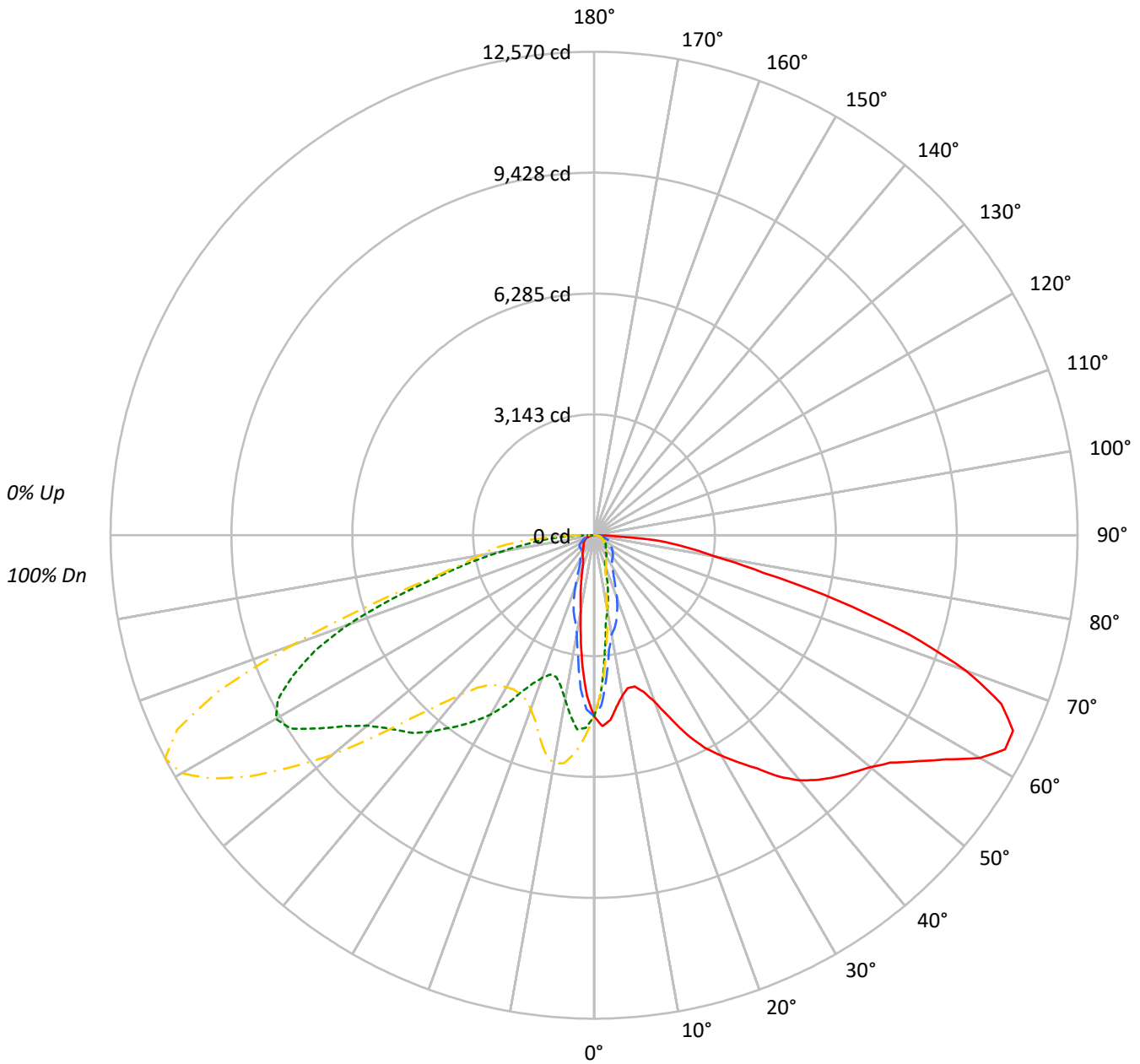
Lumens per Lamp: N/A
 Luminaire Lumens: 15747.5 lumens
 Efficiency: N/A
 Efficacy: 100.8 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 156.2
 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				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°	101269	101269	101269	101269
5°	104217	67769	74034	109485
10°	92461	43062	43495	94621
15°	90745	30542	28927	84870
20°	105503	19320	19471	90410
25°	135681	16589	16119	106885
30°	164430	15723	14738	133804
35°	194616	13853	13332	158601
40°	233842	13146	12219	187371
45°	270583	13037	11834	218433
50°	314209	13239	11916	257940
55°	384514	13602	12116	328632
60°	498684	13614	12766	411031
65°	612141	13759	13086	439977
70°	647748	14515	13684	428372
75°	545259	15346	13699	349619
80°	396134	17964	13885	302211
85°	419858	26034	11387	314066

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.1	2.3
10°-20°	761.9	4.8
20°-30°	1098.0	7.0
30°-40°	1580.7	10.0
40°-50°	2245.2	14.3
50°-60°	3228.0	20.5
60°-70°	3729.4	23.7
70°-80°	2111.7	13.4
80°-90°	628.4	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°	2224.0	14.1
0°-40°	3804.7	24.2
0°-60°	9277.9	58.9
0°-90°	15747.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15747.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4704	4704	4704	4704	4704	
5°	4823	3136	3426	5066	4823	438
15°	4072	1370	1298	3808	4072	1197
25°	5712	698	679	4500	5712	2651
35°	7405	527	507	6035	7405	4700
45°	8888	428	389	7175	8888	6882
55°	10245	362	323	8756	10245	9278
65°	12017	270	257	8637	12017	11523
75°	6555	184	165	4203	6555	6956
85°	1700	105	46	1272	1700	1693
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°	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1
2.5°	4967.6	4961.0	4921.5	4796.3	4664.5	4539.4	4420.8	4295.6	4229.7	4150.6	4117.7
5°	4822.6	4809.5	4697.5	4420.8	4177.0	3913.5	3689.5	3511.6	3366.6	3221.7	3169.0
7.5°	4493.2	4473.5	4341.7	3959.6	3603.8	3261.2	2991.1	2760.5	2569.4	2483.8	2385.0
10°	4229.7	4196.8	4025.5	3603.8	3142.6	2800.0	2622.2	2464.0	2299.3	2161.0	2016.0
12.5°	4065.0	4025.5	3847.6	3353.5	2905.4	2648.5	2464.0	2286.1	2081.9	1910.6	1752.5
15°	4071.6	4025.5	3808.0	3287.6	2846.2	2516.7	2259.8	2016.0	1778.8	1587.8	1409.9
17.5°	4262.6	4203.3	3972.8	3379.8	2800.0	2345.4	2002.8	1686.6	1416.5	1212.3	1067.3
20°	4605.2	4565.7	4302.2	3518.2	2753.9	2161.0	1739.3	1357.2	1073.9	915.8	856.5
22.5°	5119.1	5073.0	4789.7	3729.0	2740.7	1996.3	1456.0	1067.3	863.1	797.2	764.2
25°	5712.1	5626.4	5362.9	4084.8	2767.1	1844.7	1225.4	882.8	770.8	724.7	705.0
27.5°	6226.0	6173.3	5876.8	4420.8	2780.3	1726.1	1067.3	803.8	718.1	678.6	665.4
30°	6614.7	6594.9	6305.0	4789.7	2747.3	1581.2	968.5	770.8	718.1	678.6	639.1
32.5°	7003.4	7010.0	6700.3	5073.0	2701.2	1456.0	876.2	685.2	632.5	606.1	612.7
35°	7405.3	7438.2	7174.7	5349.7	2602.4	1409.9	810.4	639.1	592.9	553.4	533.7
37.5°	7912.6	7998.2	7741.3	5659.4	2503.6	1370.4	777.4	606.1	560.0	527.1	500.7
40°	8321.0	8479.2	8327.6	5949.3	2437.7	1324.3	751.1	573.2	540.2	500.7	480.9
42.5°	8624.1	8808.6	8755.9	6173.3	2437.7	1278.1	724.7	553.4	527.1	480.9	454.6
45°	8887.6	9078.7	9072.1	6403.8	2490.4	1251.8	691.8	553.4	513.9	467.8	441.4
47.5°	9124.8	9315.9	9381.8	6693.7	2576.0	1238.6	652.2	540.2	513.9	461.2	421.7
50°	9381.8	9592.6	9790.2	7154.9	2681.4	1205.7	625.9	520.5	520.5	454.6	408.5
52.5°	9711.2	9948.4	10310.7	7728.1	2786.9	1146.4	586.4	507.3	520.5	448.0	395.3
55°	10244.8	10442.5	10916.8	8413.3	2918.6	1073.9	553.4	474.4	494.1	428.2	375.5
57.5°	10844.4	11015.7	11411.0	8940.3	2958.2	981.7	507.3	441.4	474.4	408.5	349.2
60°	11582.3	11667.9	11667.9	9091.9	2826.4	896.0	474.4	415.1	428.2	388.7	329.4
62.5°	12050.0	12050.0	11667.9	8815.2	2576.0	823.5	448.0	388.7	375.5	362.4	309.7
65°	12017.1	11964.4	11397.8	8011.4	2286.1	777.4	421.7	355.8	336.0	329.4	289.9
67.5°	11463.7	11371.4	10600.6	6878.2	1983.1	757.7	395.3	322.8	309.7	296.5	263.5
70°	10291.0	10053.8	9105.1	5534.2	1686.6	744.5	388.7	296.5	283.3	270.1	243.8
72.5°	8591.2	8288.1	7108.8	4256.1	1416.5	698.4	368.9	263.5	256.9	243.8	217.4
75°	6555.4	5995.4	4961.0	3254.6	1100.2	606.1	316.2	230.6	230.6	224.0	197.6
77.5°	4519.6	4229.7	3458.9	2404.7	803.8	467.8	256.9	204.2	204.2	210.8	184.5
80°	3195.3	2925.2	2464.0	1726.1	507.3	316.2	197.6	171.3	191.1	204.2	171.3
82.5°	2444.3	2246.6	1831.6	1258.4	296.5	217.4	151.5	138.4	164.7	177.9	144.9
85°	1699.8	1462.6	929.0	843.3	171.3	131.8	112.0	112.0	144.9	177.9	131.8
87.5°	480.9	204.2	59.3	250.4	72.5	52.7	39.5	26.4	39.5	39.5	26.4
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°	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1
2.5°	4084.8	4045.2	4045.2	4032.1	4038.6	4045.2	4038.6	4084.8	4104.5	4130.9	4183.6
5°	3136.0	3188.7	3149.2	3188.7	3241.5	3320.5	3340.3	3399.6	3406.2	3452.3	3425.9
7.5°	2325.7	2319.1	2286.1	2332.3	2477.2	2589.2	2641.9	2674.9	2681.4	2681.4	2648.5
10°	1969.9	1910.6	1851.3	1818.4	1831.6	1950.1	1989.7	2009.4	1996.3	2016.0	1989.7
12.5°	1686.6	1633.9	1548.3	1489.0	1449.4	1482.4	1521.9	1541.7	1554.8	1587.8	1614.1
15°	1370.4	1317.7	1265.0	1232.0	1199.1	1172.7	1205.7	1225.4	1258.4	1284.7	1297.9
17.5°	1041.0	1014.6	988.2	1008.0	1008.0	994.8	1008.0	1014.6	1027.8	1047.5	1041.0
20°	843.3	836.7	830.1	863.1	889.4	889.4	902.6	882.8	876.2	856.5	849.9
22.5°	751.1	751.1	757.7	784.0	810.4	823.5	823.5	790.6	757.7	744.5	751.1
25°	698.4	698.4	718.1	724.7	737.9	737.9	744.5	711.5	691.8	672.0	678.6
27.5°	658.8	658.8	665.4	665.4	672.0	672.0	678.6	665.4	639.1	632.5	632.5
30°	632.5	632.5	625.9	625.9	625.9	625.9	632.5	612.7	599.5	592.9	592.9
32.5°	606.1	599.5	592.9	592.9	586.4	586.4	592.9	573.2	566.6	566.6	566.6
35°	527.1	520.5	527.1	540.2	540.2	546.8	546.8	540.2	527.1	513.9	507.3
37.5°	494.1	487.5	487.5	487.5	500.7	507.3	513.9	500.7	480.9	461.2	461.2
40°	467.8	467.8	461.2	461.2	461.2	474.4	487.5	467.8	441.4	434.8	434.8
42.5°	448.0	441.4	434.8	428.2	421.7	441.4	454.6	428.2	415.1	415.1	415.1
45°	428.2	421.7	415.1	408.5	401.9	408.5	421.7	395.3	388.7	388.7	388.7
47.5°	408.5	401.9	388.7	382.1	375.5	375.5	388.7	368.9	362.4	368.9	368.9
50°	395.3	382.1	368.9	362.4	355.8	355.8	355.8	349.2	349.2	349.2	355.8
52.5°	382.1	368.9	349.2	342.6	336.0	336.0	336.0	336.0	329.4	336.0	342.6
55°	362.4	349.2	336.0	329.4	322.8	316.2	322.8	316.2	316.2	322.8	322.8
57.5°	336.0	322.8	309.7	309.7	303.1	303.1	309.7	303.1	303.1	309.7	309.7
60°	316.2	303.1	289.9	289.9	283.3	289.9	296.5	289.9	289.9	289.9	296.5
62.5°	289.9	283.3	270.1	270.1	270.1	270.1	276.7	270.1	276.7	276.7	276.7
65°	270.1	256.9	250.4	250.4	250.4	250.4	263.5	250.4	256.9	256.9	256.9
67.5°	250.4	237.2	230.6	230.6	230.6	230.6	243.8	230.6	237.2	243.8	237.2
70°	230.6	217.4	210.8	210.8	210.8	210.8	217.4	210.8	210.8	217.4	217.4
72.5°	204.2	197.6	191.1	191.1	184.5	191.1	197.6	191.1	191.1	191.1	191.1
75°	184.5	177.9	177.9	171.3	171.3	171.3	177.9	164.7	164.7	164.7	164.7
77.5°	171.3	158.1	158.1	158.1	151.5	158.1	151.5	138.4	138.4	138.4	138.4
80°	144.9	131.8	138.4	138.4	131.8	131.8	125.2	112.0	112.0	112.0	112.0
82.5°	118.6	105.4	112.0	112.0	112.0	112.0	98.8	92.2	85.6	79.1	79.1
85°	105.4	85.6	98.8	98.8	92.2	92.2	65.9	65.9	52.7	52.7	46.1
87.5°	19.8	13.2	26.4	32.9	32.9	39.5	26.4	32.9	19.8	13.2	13.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1
2.5°	4177.0	4249.5	4348.3	4420.8	4532.8	4618.4	4750.2	4862.2	4967.6	5013.7	5059.8
5°	3505.0	3551.1	3702.6	3821.2	3999.1	4190.2	4427.4	4684.3	4947.8	5066.4	5204.8
7.5°	2622.2	2707.8	2793.4	2964.7	3182.2	3491.8	3794.9	4177.0	4545.9	4723.8	4961.0
10°	2035.8	2101.7	2200.5	2378.4	2582.6	2839.6	3201.9	3656.5	4097.9	4328.5	4572.3
12.5°	1633.9	1726.1	1857.9	2042.4	2279.6	2543.1	2806.6	3228.3	3742.2	4005.7	4282.4
15°	1324.3	1396.7	1541.7	1772.3	2049.0	2319.1	2595.8	2945.0	3505.0	3808.0	4137.5
17.5°	1054.1	1106.8	1238.6	1469.2	1745.9	2049.0	2365.2	2806.6	3425.9	3794.9	4183.6
20°	856.5	896.0	981.7	1153.0	1416.5	1745.9	2141.2	2674.9	3472.0	3946.4	4420.8
22.5°	751.1	764.2	803.8	896.0	1113.4	1462.6	1937.0	2562.9	3557.7	4170.4	4809.5
25°	678.6	691.8	705.0	764.2	889.4	1218.8	1759.1	2497.0	3742.2	4499.8	5257.5
27.5°	632.5	645.7	652.2	678.6	764.2	1041.0	1607.5	2457.4	3992.5	4980.8	5810.9
30°	592.9	592.9	612.7	652.2	711.5	915.8	1475.8	2365.2	4256.1	5382.7	6245.7
32.5°	560.0	566.6	592.9	612.7	652.2	810.4	1344.0	2246.6	4493.2	5712.1	6674.0
35°	500.7	500.7	507.3	540.2	592.9	724.7	1225.4	2128.0	4625.0	6034.9	7056.1
37.5°	461.2	467.8	480.9	507.3	553.4	665.4	1126.6	1996.3	4763.4	6338.0	7504.1
40°	434.8	441.4	454.6	480.9	527.1	612.7	1041.0	1890.8	4908.3	6667.4	7985.0
42.5°	415.1	421.7	434.8	461.2	500.7	599.5	948.7	1805.2	4993.9	6970.4	8439.6
45°	395.3	401.9	421.7	448.0	480.9	586.4	896.0	1745.9	5026.9	7174.7	8802.0
47.5°	375.5	382.1	401.9	441.4	480.9	566.6	876.2	1713.0	5053.2	7405.3	9091.9
50°	355.8	368.9	395.3	434.8	487.5	540.2	863.1	1706.4	5204.8	7701.7	9368.6
52.5°	342.6	362.4	388.7	434.8	480.9	500.7	856.5	1726.1	5507.8	8143.2	9763.9
55°	329.4	349.2	375.5	434.8	461.2	467.8	823.5	1759.1	5969.0	8755.9	10323.9
57.5°	316.2	329.4	362.4	421.7	434.8	441.4	757.7	1805.2	6430.2	9355.4	10897.1
60°	296.5	309.7	342.6	421.7	395.3	415.1	672.0	1818.4	6759.6	9546.5	10949.8
62.5°	276.7	289.9	322.8	434.8	362.4	388.7	599.5	1772.3	6825.5	9269.8	10653.3
65°	256.9	270.1	296.5	362.4	336.0	362.4	553.4	1647.1	6608.1	8637.3	10113.1
67.5°	237.2	250.4	270.1	296.5	303.1	329.4	533.7	1449.4	6061.3	7853.3	9375.2
70°	210.8	224.0	243.8	263.5	270.1	309.7	500.7	1258.4	5178.4	6805.7	8472.6
72.5°	191.1	197.6	217.4	230.6	243.8	283.3	480.9	1100.2	3959.6	5507.8	6911.1
75°	164.7	164.7	184.5	197.6	210.8	250.4	441.4	915.8	2793.4	4203.3	5079.6
77.5°	138.4	138.4	151.5	164.7	177.9	217.4	375.5	744.5	1937.0	3333.7	3682.9
80°	105.4	105.4	118.6	131.8	144.9	184.5	303.1	546.8	1199.1	2437.7	2681.4
82.5°	72.5	72.5	92.2	98.8	105.4	144.9	230.6	375.5	705.0	1759.1	1917.2
85°	39.5	39.5	52.7	59.3	72.5	105.4	171.3	263.5	421.7	1271.5	1278.1
87.5°	6.6	6.6	19.8	19.8	32.9	52.7	98.8	144.9	237.2	705.0	448.0
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: P598765
 CATALOG NUMBER: IFLD-S-SA2E-760-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1	4704.1
2.5°	5145.5	5217.9	5224.5	5224.5	5191.6	5198.2	5105.9	5007.1	4974.2	4967.6
5°	5415.6	5606.7	5659.4	5685.7	5600.1	5468.3	5231.1	4974.2	4842.4	4822.6
7.5°	5362.9	5745.0	5949.3	5975.6	5804.3	5494.7	5079.6	4684.3	4532.8	4493.2
10°	5053.2	5567.1	5936.1	6028.3	5843.8	5448.5	4908.3	4447.1	4262.6	4229.7
12.5°	4835.8	5329.9	5692.3	5817.5	5731.8	5389.2	4822.6	4295.6	4111.1	4065.0
15°	4717.2	5171.8	5409.0	5448.5	5442.0	5297.0	4822.6	4328.5	4124.3	4071.6
17.5°	4816.1	5125.7	5158.7	5066.4	5119.1	5191.6	4928.1	4506.4	4308.8	4262.6
20°	5013.7	5105.9	4947.8	4809.5	4835.8	5066.4	5092.8	4842.4	4684.3	4605.2
22.5°	5428.8	5178.4	4816.1	4625.0	4644.8	4967.6	5310.2	5297.0	5158.7	5119.1
25°	5850.4	5382.7	4776.5	4552.5	4578.9	4947.8	5567.1	5804.3	5731.8	5712.1
27.5°	6318.2	5725.2	4802.9	4519.6	4552.5	4974.2	5745.0	6232.5	6245.7	6226.0
30°	6634.4	5890.0	4881.9	4559.1	4605.2	5040.1	5784.5	6489.5	6608.1	6614.7
32.5°	6898.0	6054.7	5046.7	4625.0	4704.1	5158.7	5890.0	6733.3	6996.8	7003.4
35°	7108.8	6239.1	5250.9	4743.6	4862.2	5356.3	6028.3	6963.9	7359.2	7405.3
37.5°	7378.9	6443.4	5488.1	5000.5	5132.3	5639.6	6272.1	7234.0	7787.4	7912.6
40°	7668.8	6647.6	5830.7	5415.6	5606.7	6061.3	6548.8	7537.0	8149.7	8321.0
42.5°	7991.6	6865.0	6219.4	5975.6	6265.5	6594.9	6865.0	7813.7	8426.5	8624.1
45°	8307.9	7128.6	6786.0	6739.8	7062.7	7227.4	7174.7	8011.4	8690.0	8887.6
47.5°	8531.9	7510.7	7471.2	7747.9	8050.9	7965.3	7537.0	8156.3	8907.4	9124.8
50°	8736.1	7985.0	8334.2	8874.5	9058.9	8769.1	7925.7	8354.0	9138.0	9381.8
52.5°	9039.2	8492.3	9223.6	9895.7	10073.5	9612.4	8347.4	8676.8	9493.8	9711.2
55°	9658.5	9065.5	10152.6	10923.4	10956.4	10383.2	8914.0	9223.6	9994.5	10244.8
57.5°	10350.2	9770.5	10890.5	11773.3	11760.1	11154.0	9553.1	9961.5	10673.1	10844.4
60°	10976.1	10482.0	11694.3	12379.5	12346.5	11714.0	10297.5	10798.3	11450.5	11582.3
62.5°	11345.1	11127.7	12050.0	12570.5	12445.3	11898.5	10930.0	11542.7	12003.9	12050.0
65°	11285.8	11496.6	11635.0	11957.8	11779.9	11384.6	11239.7	12017.1	12063.2	12017.1
67.5°	10837.8	11285.8	10495.2	10528.1	10435.9	10099.9	10758.7	11891.9	11575.7	11463.7
70°	10159.2	10192.1	8775.6	8360.6	8505.5	8044.3	9230.2	10916.8	10429.3	10291.0
72.5°	9032.6	8624.1	6634.4	6212.8	6430.2	6100.8	7405.3	9513.5	9039.2	8591.2
75°	7576.6	6832.1	5053.2	4453.7	4565.7	4552.5	5738.4	7859.9	7003.4	6555.4
77.5°	5870.2	5323.4	3729.0	3498.4	3379.8	3406.2	4005.7	5843.8	5079.6	4519.6
80°	4289.0	3722.4	2885.7	3017.4	2951.6	2793.4	2806.6	3913.5	3531.3	3195.3
82.5°	2964.7	2648.5	2338.9	2641.9	2483.8	2240.0	2187.3	2819.8	2648.5	2444.3
85°	1989.7	2180.7	1857.9	2022.6	1752.5	1614.1	2055.6	2358.6	1904.0	1699.8
87.5°	1297.9	1996.3	1337.4	1014.6	579.8	777.4	1258.4	1548.3	889.4	480.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)