

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: P598800

Luminaire Tested: **IFLD-S-SA6A-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598800
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6A-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

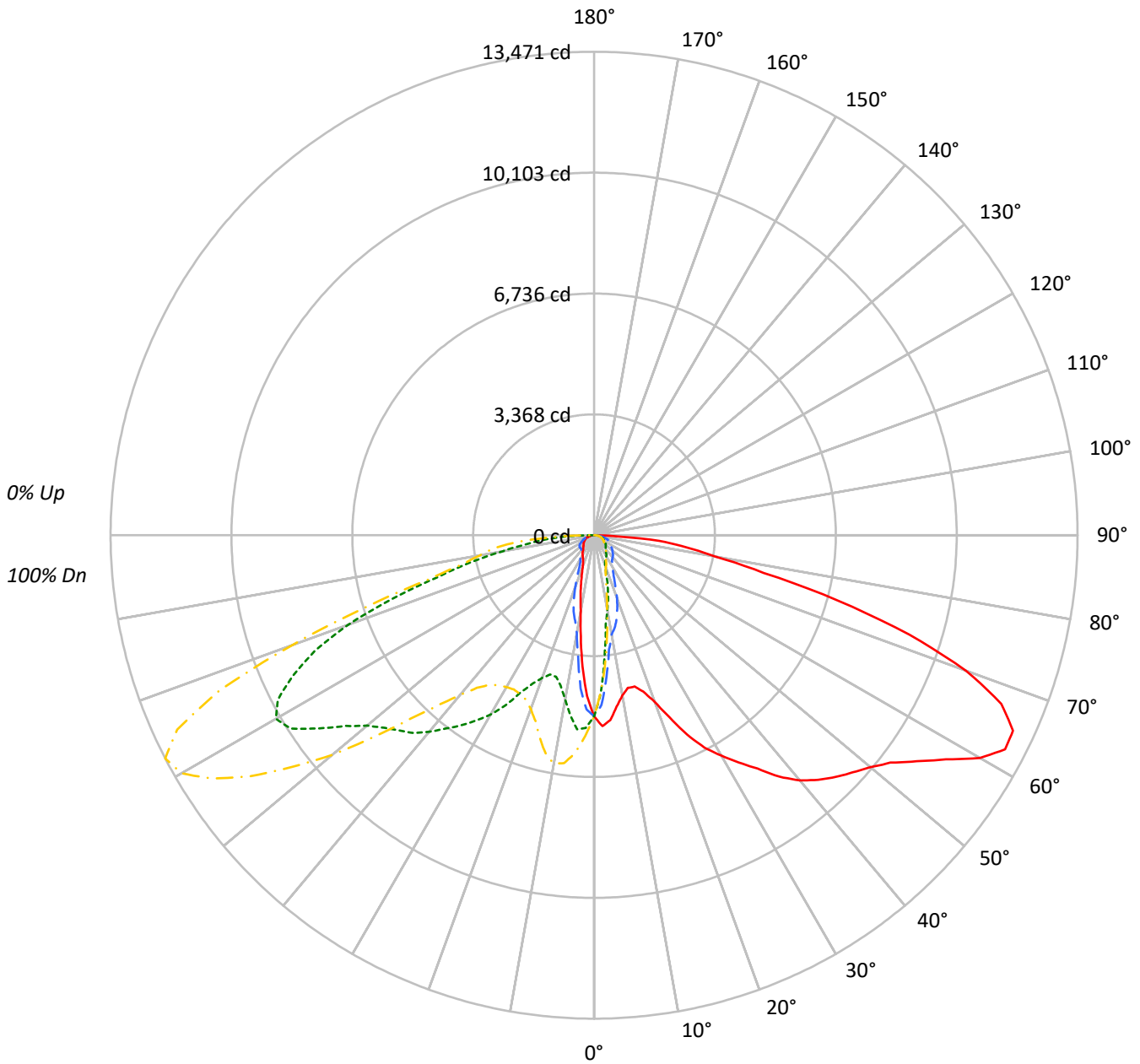
Lumens per Lamp: N/A
 Luminaire Lumens: 16875.7 lumens
 Efficiency: N/A
 Efficacy: 89.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 189.6
 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	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°	36175	36175	36175	36175
5°	37228	24208	26446	39110
10°	33028	15382	15537	33801
15°	32415	10910	10333	30317
20°	37688	6901	6955	32296
25°	48467	5926	5758	38181
30°	58737	5616	5265	47797
35°	69519	4948	4762	56655
40°	83532	4696	4365	66932
45°	96657	4657	4228	78027
50°	112240	4729	4257	92141
55°	137354	4858	4329	117392
60°	178137	4864	4560	146827
65°	218667	4916	4676	157166
70°	231385	5184	4889	153021
75°	194776	5481	4894	124890
80°	141508	6418	4959	107952
85°	149981	9304	4067	112189

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.1	2.3
10°-20°	816.5	4.8
20°-30°	1176.7	7.0
30°-40°	1693.9	10.0
40°-50°	2406.1	14.3
50°-60°	3459.3	20.5
60°-70°	3996.6	23.7
70°-80°	2263.0	13.4
80°-90°	673.5	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°	2383.3	14.1
0°-40°	4077.2	24.2
0°-60°	9942.7	58.9
0°-90°	16875.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16875.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5041	5041	5041	5041	5041	
5°	5168	3361	3671	5429	5168	469
15°	4363	1469	1391	4081	4363	1283
25°	6121	748	727	4822	6121	2841
35°	7936	565	544	6467	7936	5037
45°	9524	459	417	7689	9524	7375
55°	10979	388	346	9383	10979	9943
65°	12878	290	275	9256	12878	12349
75°	7025	198	176	4504	7025	7454
85°	1822	113	49	1363	1822	1814
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°	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1
2.5°	5323.5	5316.4	5274.1	5139.9	4998.7	4864.6	4737.5	4603.3	4532.7	4448.0	4412.7
5°	5168.2	5154.1	5034.0	4737.5	4476.3	4193.8	3953.8	3763.2	3607.8	3452.5	3396.0
7.5°	4815.2	4794.0	4652.8	4243.3	3862.0	3494.9	3205.4	2958.3	2753.5	2661.8	2555.8
10°	4532.7	4497.4	4313.9	3862.0	3367.8	3000.6	2810.0	2640.6	2464.1	2315.8	2160.5
12.5°	4356.2	4313.9	4123.2	3593.7	3113.6	2838.3	2640.6	2449.9	2231.1	2047.5	1878.1
15°	4363.3	4313.9	4080.9	3523.1	3050.1	2697.1	2421.7	2160.5	1906.3	1701.5	1510.9
17.5°	4568.0	4504.5	4257.4	3622.0	3000.6	2513.5	2146.3	1807.5	1518.0	1299.1	1143.8
20°	4935.2	4892.8	4610.4	3770.2	2951.2	2315.8	1863.9	1454.4	1150.8	981.4	917.8
22.5°	5485.9	5436.5	5132.9	3996.2	2937.1	2139.3	1560.3	1143.8	924.9	854.3	819.0
25°	6121.3	6029.5	5747.1	4377.4	2965.3	1976.9	1313.2	946.1	826.1	776.6	755.5
27.5°	6672.0	6615.6	6297.8	4737.5	2979.5	1849.8	1143.8	861.4	769.6	727.2	713.1
30°	7088.6	7067.4	6756.8	5132.9	2944.2	1694.5	1037.9	826.1	769.6	727.2	684.9
32.5°	7505.2	7512.2	7180.4	5436.5	2894.7	1560.3	939.0	734.3	677.8	649.6	656.6
35°	7935.8	7971.1	7688.7	5733.0	2788.8	1510.9	868.4	684.9	635.4	593.1	571.9
37.5°	8479.5	8571.3	8295.9	6064.8	2682.9	1468.6	833.1	649.6	600.1	564.8	536.6
40°	8917.2	9086.7	8924.3	6375.5	2612.3	1419.1	804.9	614.3	578.9	536.6	515.4
42.5°	9242.0	9439.7	9383.2	6615.6	2612.3	1369.7	776.6	593.1	564.8	515.4	487.2
45°	9524.4	9729.2	9722.1	6862.7	2668.8	1341.5	741.3	593.1	550.7	501.3	473.0
47.5°	9778.6	9983.3	10053.9	7173.3	2760.6	1327.3	699.0	578.9	550.7	494.2	451.9
50°	10053.9	10279.9	10491.7	7667.5	2873.6	1292.0	670.7	557.8	557.8	487.2	437.7
52.5°	10407.0	10661.1	11049.5	8281.8	2986.5	1228.5	628.4	543.6	557.8	480.1	423.6
55°	10978.8	11190.7	11699.0	9016.1	3127.7	1150.8	593.1	508.3	529.5	458.9	402.4
57.5°	11621.3	11804.9	12228.5	9580.9	3170.1	1052.0	543.6	473.0	508.3	437.7	374.2
60°	12412.1	12503.9	12503.9	9743.3	3028.9	960.2	508.3	444.8	458.9	416.6	353.0
62.5°	12913.4	12913.4	12503.9	9446.8	2760.6	882.5	480.1	416.6	402.4	388.3	331.8
65°	12878.1	12821.6	12214.4	8585.4	2449.9	833.1	451.9	381.3	360.1	353.0	310.7
67.5°	12285.0	12186.2	11360.1	7371.0	2125.2	811.9	423.6	346.0	331.8	317.7	282.4
70°	11028.3	10774.1	9757.4	5930.7	1807.5	797.8	416.6	317.7	303.6	289.5	261.2
72.5°	9206.7	8881.9	7618.1	4561.0	1518.0	748.4	395.4	282.4	275.4	261.2	233.0
75°	7025.1	6424.9	5316.4	3487.8	1179.1	649.6	338.9	247.1	247.1	240.1	211.8
77.5°	4843.4	4532.7	3706.7	2577.0	861.4	501.3	275.4	218.9	218.9	225.9	197.7
80°	3424.3	3134.8	2640.6	1849.8	543.6	338.9	211.8	183.6	204.8	218.9	183.6
82.5°	2619.4	2407.6	1962.8	1348.5	317.7	233.0	162.4	148.3	176.5	190.6	155.3
85°	1821.6	1567.4	995.5	903.7	183.6	141.2	120.0	120.0	155.3	190.6	141.2
87.5°	515.4	218.9	63.5	268.3	77.7	56.5	42.4	28.2	42.4	42.4	28.2
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°	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1
2.5°	4377.4	4335.1	4335.1	4320.9	4328.0	4335.1	4328.0	4377.4	4398.6	4426.8	4483.3
5°	3360.7	3417.2	3374.8	3417.2	3473.7	3558.4	3579.6	3643.1	3650.2	3699.6	3671.4
7.5°	2492.3	2485.2	2449.9	2499.4	2654.7	2774.7	2831.2	2866.5	2873.6	2873.6	2838.3
10°	2111.0	2047.5	1984.0	1948.7	1962.8	2089.9	2132.2	2153.4	2139.3	2160.5	2132.2
12.5°	1807.5	1751.0	1659.2	1595.6	1553.3	1588.6	1630.9	1652.1	1666.2	1701.5	1729.8
15°	1468.6	1412.1	1355.6	1320.3	1285.0	1256.7	1292.0	1313.2	1348.5	1376.8	1390.9
17.5°	1115.5	1087.3	1059.1	1080.2	1080.2	1066.1	1080.2	1087.3	1101.4	1122.6	1115.5
20°	903.7	896.7	889.6	924.9	953.1	953.1	967.3	946.1	939.0	917.8	910.8
22.5°	804.9	804.9	811.9	840.2	868.4	882.5	882.5	847.2	811.9	797.8	804.9
25°	748.4	748.4	769.6	776.6	790.8	790.8	797.8	762.5	741.3	720.2	727.2
27.5°	706.0	706.0	713.1	713.1	720.2	720.2	727.2	713.1	684.9	677.8	677.8
30°	677.8	677.8	670.7	670.7	670.7	670.7	677.8	656.6	642.5	635.4	635.4
32.5°	649.6	642.5	635.4	635.4	628.4	628.4	635.4	614.3	607.2	607.2	607.2
35°	564.8	557.8	564.8	578.9	578.9	586.0	586.0	578.9	564.8	550.7	543.6
37.5°	529.5	522.5	522.5	522.5	536.6	543.6	550.7	536.6	515.4	494.2	494.2
40°	501.3	501.3	494.2	494.2	494.2	508.3	522.5	501.3	473.0	466.0	466.0
42.5°	480.1	473.0	466.0	458.9	451.9	473.0	487.2	458.9	444.8	444.8	444.8
45°	458.9	451.9	444.8	437.7	430.7	437.7	451.9	423.6	416.6	416.6	416.6
47.5°	437.7	430.7	416.6	409.5	402.4	402.4	416.6	395.4	388.3	395.4	395.4
50°	423.6	409.5	395.4	388.3	381.3	381.3	381.3	374.2	374.2	374.2	381.3
52.5°	409.5	395.4	374.2	367.1	360.1	360.1	360.1	360.1	353.0	360.1	367.1
55°	388.3	374.2	360.1	353.0	346.0	338.9	346.0	338.9	338.9	346.0	346.0
57.5°	360.1	346.0	331.8	331.8	324.8	324.8	331.8	324.8	324.8	331.8	331.8
60°	338.9	324.8	310.7	310.7	303.6	310.7	317.7	310.7	310.7	310.7	317.7
62.5°	310.7	303.6	289.5	289.5	289.5	289.5	296.5	289.5	296.5	296.5	296.5
65°	289.5	275.4	268.3	268.3	268.3	268.3	282.4	268.3	275.4	275.4	275.4
67.5°	268.3	254.2	247.1	247.1	247.1	247.1	261.2	247.1	254.2	261.2	254.2
70°	247.1	233.0	225.9	225.9	225.9	225.9	233.0	225.9	225.9	233.0	233.0
72.5°	218.9	211.8	204.8	204.8	197.7	204.8	211.8	204.8	204.8	204.8	204.8
75°	197.7	190.6	190.6	183.6	183.6	183.6	190.6	176.5	176.5	176.5	176.5
77.5°	183.6	169.4	169.4	169.4	162.4	169.4	162.4	148.3	148.3	148.3	148.3
80°	155.3	141.2	148.3	148.3	141.2	141.2	134.1	120.0	120.0	120.0	120.0
82.5°	127.1	113.0	120.0	120.0	120.0	120.0	105.9	98.8	91.8	84.7	84.7
85°	113.0	91.8	105.9	105.9	98.8	98.8	70.6	70.6	56.5	56.5	49.4
87.5°	21.2	14.1	28.2	35.3	35.3	42.4	28.2	35.3	21.2	14.1	14.1
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°	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1
2.5°	4476.3	4553.9	4659.8	4737.5	4857.5	4949.3	5090.5	5210.5	5323.5	5372.9	5422.4
5°	3756.1	3805.5	3967.9	4095.0	4285.6	4490.4	4744.6	5019.9	5302.3	5429.4	5577.7
7.5°	2810.0	2901.8	2993.6	3177.2	3410.2	3742.0	4066.8	4476.3	4871.6	5062.3	5316.4
10°	2181.6	2252.3	2358.2	2548.8	2767.7	3043.0	3431.3	3918.5	4391.5	4638.7	4899.9
12.5°	1751.0	1849.8	1991.0	2188.7	2442.9	2725.3	3007.7	3459.6	4010.3	4292.7	4589.2
15°	1419.1	1496.8	1652.1	1899.2	2195.8	2485.2	2781.8	3156.0	3756.1	4080.9	4433.9
17.5°	1129.7	1186.1	1327.3	1574.5	1871.0	2195.8	2534.7	3007.7	3671.4	4066.8	4483.3
20°	917.8	960.2	1052.0	1235.6	1518.0	1871.0	2294.6	2866.5	3720.8	4229.2	4737.5
22.5°	804.9	819.0	861.4	960.2	1193.2	1567.4	2075.7	2746.5	3812.6	4469.2	5154.1
25°	727.2	741.3	755.5	819.0	953.1	1306.2	1885.1	2675.9	4010.3	4822.2	5634.2
27.5°	677.8	691.9	699.0	727.2	819.0	1115.5	1722.7	2633.5	4278.6	5337.6	6227.2
30°	635.4	635.4	656.6	699.0	762.5	981.4	1581.5	2534.7	4561.0	5768.3	6693.2
32.5°	600.1	607.2	635.4	656.6	699.0	868.4	1440.3	2407.6	4815.2	6121.3	7152.1
35°	536.6	536.6	543.6	578.9	635.4	776.6	1313.2	2280.5	4956.4	6467.3	7561.6
37.5°	494.2	501.3	515.4	543.6	593.1	713.1	1207.3	2139.3	5104.6	6792.1	8041.7
40°	466.0	473.0	487.2	515.4	564.8	656.6	1115.5	2026.3	5260.0	7145.1	8557.1
42.5°	444.8	451.9	466.0	494.2	536.6	642.5	1016.7	1934.5	5351.7	7469.9	9044.3
45°	423.6	430.7	451.9	480.1	515.4	628.4	960.2	1871.0	5387.0	7688.7	9432.6
47.5°	402.4	409.5	430.7	473.0	515.4	607.2	939.0	1835.7	5415.3	7935.8	9743.3
50°	381.3	395.4	423.6	466.0	522.5	578.9	924.9	1828.6	5577.7	8253.6	10039.8
52.5°	367.1	388.3	416.6	466.0	515.4	536.6	917.8	1849.8	5902.5	8726.6	10463.4
55°	353.0	374.2	402.4	466.0	494.2	501.3	882.5	1885.1	6396.7	9383.2	11063.6
57.5°	338.9	353.0	388.3	451.9	466.0	473.0	811.9	1934.5	6890.9	10025.7	11677.8
60°	317.7	331.8	367.1	451.9	423.6	444.8	720.2	1948.7	7243.9	10230.5	11734.3
62.5°	296.5	310.7	346.0	466.0	388.3	416.6	642.5	1899.2	7314.5	9933.9	11416.6
65°	275.4	289.5	317.7	388.3	360.1	388.3	593.1	1765.1	7081.5	9256.1	10837.6
67.5°	254.2	268.3	289.5	317.7	324.8	353.0	571.9	1553.3	6495.5	8415.9	10046.9
70°	225.9	240.1	261.2	282.4	289.5	331.8	536.6	1348.5	5549.4	7293.3	9079.6
72.5°	204.8	211.8	233.0	247.1	261.2	303.6	515.4	1179.1	4243.3	5902.5	7406.3
75°	176.5	176.5	197.7	211.8	225.9	268.3	473.0	981.4	2993.6	4504.5	5443.5
77.5°	148.3	148.3	162.4	176.5	190.6	233.0	402.4	797.8	2075.7	3572.5	3946.7
80°	113.0	113.0	127.1	141.2	155.3	197.7	324.8	586.0	1285.0	2612.3	2873.6
82.5°	77.7	77.7	98.8	105.9	113.0	155.3	247.1	402.4	755.5	1885.1	2054.6
85°	42.4	42.4	56.5	63.5	77.7	113.0	183.6	282.4	451.9	1362.6	1369.7
87.5°	7.1	7.1	21.2	21.2	35.3	56.5	105.9	155.3	254.2	755.5	480.1
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: P598800
 CATALOG NUMBER: IFLD-S-SA6A-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1	5041.1
2.5°	5514.1	5591.8	5598.9	5598.9	5563.6	5570.6	5471.8	5365.9	5330.6	5323.5
5°	5803.6	6008.4	6064.8	6093.1	6001.3	5860.1	5605.9	5330.6	5189.4	5168.2
7.5°	5747.1	6156.6	6375.5	6403.7	6220.2	5888.3	5443.5	5019.9	4857.5	4815.2
10°	5415.3	5966.0	6361.4	6460.2	6262.5	5838.9	5260.0	4765.7	4568.0	4532.7
12.5°	5182.3	5711.8	6100.1	6234.3	6142.5	5775.4	5168.2	4603.3	4405.7	4356.2
15°	5055.2	5542.4	5796.5	5838.9	5831.9	5676.5	5168.2	4638.7	4419.8	4363.3
17.5°	5161.1	5493.0	5528.3	5429.4	5485.9	5563.6	5281.1	4829.3	4617.5	4568.0
20°	5372.9	5471.8	5302.3	5154.1	5182.3	5429.4	5457.7	5189.4	5019.9	4935.2
22.5°	5817.7	5549.4	5161.1	4956.4	4977.5	5323.5	5690.6	5676.5	5528.3	5485.9
25°	6269.6	5768.3	5118.8	4878.7	4906.9	5302.3	5966.0	6220.2	6142.5	6121.3
27.5°	6770.9	6135.4	5147.0	4843.4	4878.7	5330.6	6156.6	6679.1	6693.2	6672.0
30°	7109.8	6312.0	5231.7	4885.8	4935.2	5401.2	6199.0	6954.4	7081.5	7088.6
32.5°	7392.2	6488.5	5408.2	4956.4	5041.1	5528.3	6312.0	7215.7	7498.1	7505.2
35°	7618.1	6686.2	5627.1	5083.5	5210.5	5740.1	6460.2	7462.8	7886.4	7935.8
37.5°	7907.6	6905.0	5881.3	5358.8	5500.0	6043.7	6721.5	7752.3	8345.3	8479.5
40°	8218.3	7123.9	6248.4	5803.6	6008.4	6495.5	7018.0	8077.0	8733.7	8917.2
42.5°	8564.2	7356.9	6665.0	6403.7	6714.4	7067.4	7356.9	8373.6	9030.2	9242.0
45°	8903.1	7639.3	7272.2	7222.7	7568.7	7745.2	7688.7	8585.4	9312.6	9524.4
47.5°	9143.2	8048.8	8006.4	8303.0	8627.8	8536.0	8077.0	8740.7	9545.6	9778.6
50°	9362.0	8557.1	8931.3	9510.3	9708.0	9397.3	8493.6	8952.5	9792.7	10053.9
52.5°	9686.8	9100.8	9884.5	10604.6	10795.3	10301.1	8945.5	9298.5	10174.0	10407.0
55°	10350.5	9715.0	10880.0	11706.1	11741.4	11127.1	9552.7	9884.5	10710.6	10978.8
57.5°	11091.8	10470.5	11670.8	12616.8	12602.7	11953.2	10237.5	10675.3	11437.8	11621.3
60°	11762.5	11233.0	12532.1	13266.4	13231.1	12553.3	11035.3	11571.9	12270.9	12412.1
62.5°	12157.9	11924.9	12913.4	13471.2	13337.0	12751.0	11713.1	12369.7	12864.0	12913.4
65°	12094.4	12320.3	12468.6	12814.5	12623.9	12200.3	12045.0	12878.1	12927.5	12878.1
67.5°	11614.3	12094.4	11247.1	11282.4	11183.6	10823.5	11529.6	12743.9	12405.0	12285.0
70°	10887.1	10922.4	9404.4	8959.6	9114.9	8620.7	9891.6	11699.0	11176.5	11028.3
72.5°	9679.7	9242.0	7109.8	6657.9	6890.9	6537.9	7935.8	10195.1	9686.8	9206.7
75°	8119.4	7321.6	5415.3	4772.8	4892.8	4878.7	6149.6	8423.0	7505.2	7025.1
77.5°	6290.8	5704.8	3996.2	3749.0	3622.0	3650.2	4292.7	6262.5	5443.5	4843.4
80°	4596.3	3989.1	3092.4	3233.6	3163.0	2993.6	3007.7	4193.8	3784.3	3424.3
82.5°	3177.2	2838.3	2506.4	2831.2	2661.8	2400.5	2344.0	3021.8	2838.3	2619.4
85°	2132.2	2337.0	1991.0	2167.5	1878.1	1729.8	2202.8	2527.6	2040.4	1821.6
87.5°	1390.9	2139.3	1433.3	1087.3	621.3	833.1	1348.5	1659.2	953.1	515.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)