

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: P598609

Luminaire Tested: **IFLD-L-SA7C-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598609  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-722-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 2200K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

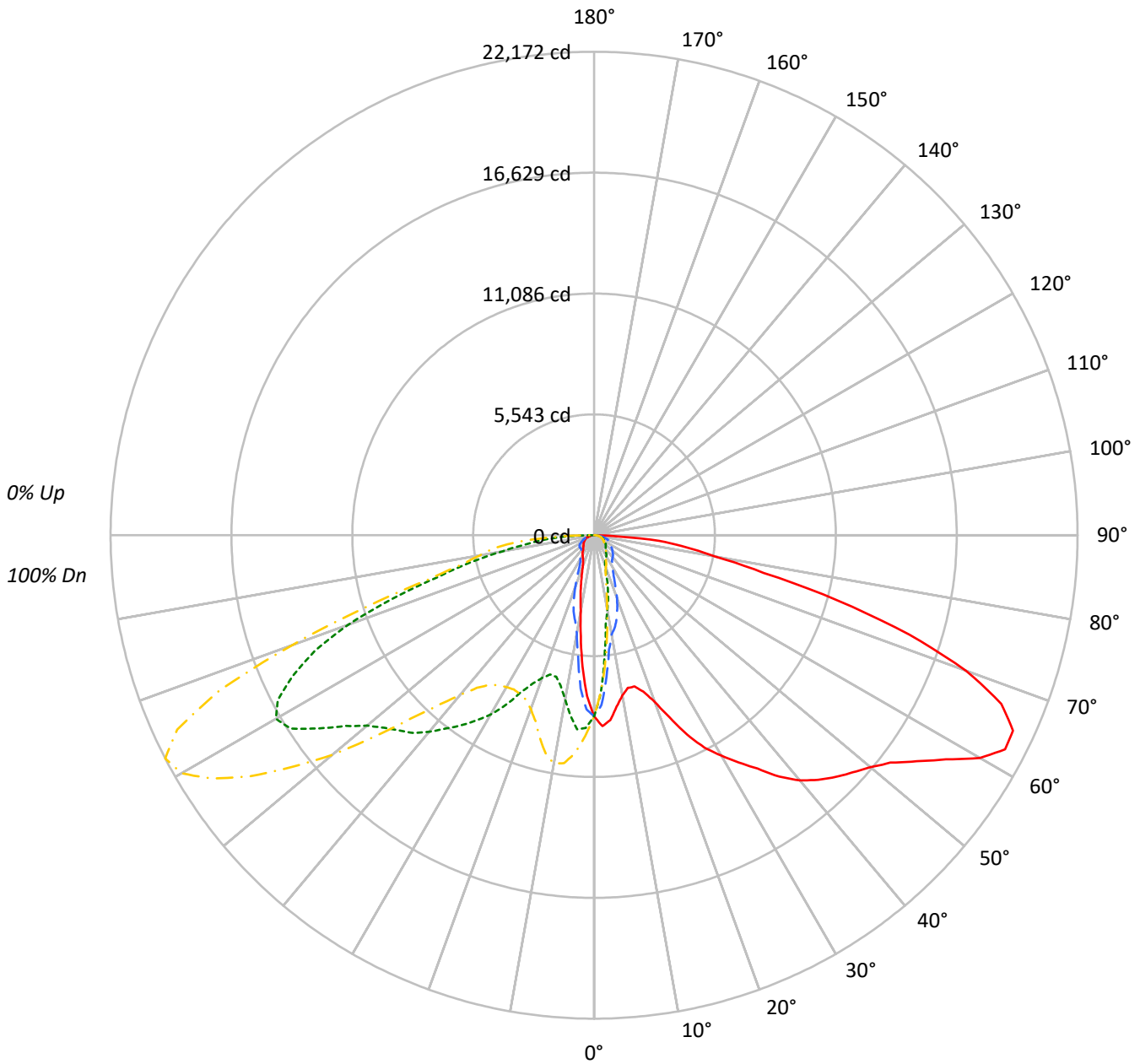
Lumens per Lamp: N/A  
 Luminaire Lumens: 27774.9 lumens  
 Efficiency: N/A  
 Efficacy: 75.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 369  
 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	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	100	100	100	100	100	100	100	100	100	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77	77	77	77	77	77	77	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59	59	59	59	59	59	59	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46	46	46	46	46	46	46	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36	36	36	36	36	36	36	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30	30	30	30	30	30	30	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25	25	25	25	25	25	25	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21	21	21	21	21	21	21	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18	18	18	18	18	18	18	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16	16	16	16	16	16	16	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14	14	14	14	14	14	14	14		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	44654	44654	44654	44654
5°	45954	29882	32645	48277
10°	40770	18988	19178	41722
15°	40013	13467	12755	37423
20°	46521	8519	8585	39865
25°	59828	7314	7108	47130
30°	72503	6932	6499	59000
35°	85814	6108	5879	69934
40°	103111	5796	5388	82619
45°	119311	5749	5218	96316
50°	138548	5838	5254	113737
55°	169549	5997	5343	144907
60°	219890	6004	5628	181241
65°	269919	6067	5771	194004
70°	285617	6400	6035	188888
75°	240428	6766	6041	154163
80°	174673	7922	6121	133256
85°	185130	11480	5020	138489

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	642.1	2.3
10°-20°	1343.8	4.8
20°-30°	1936.6	7.0
30°-40°	2787.9	10.0
40°-50°	3960.1	14.3
50°-60°	5693.5	20.5
60°-70°	6577.8	23.7
70°-80°	3724.5	13.4
80°-90°	1108.4	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°	3922.6	14.1
0°-40°	6710.5	24.2
0°-60°	16364.1	58.9
0°-90°	27774.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27774.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8297	8297	8297	8297	8297	
5°	8506	5531	6042	8936	8506	772
15°	7181	2417	2289	6716	7181	2112
25°	10075	1232	1197	7937	10075	4676
35°	13061	930	895	10644	13061	8289
45°	15676	755	686	12654	15676	12138
55°	18070	639	569	15443	18070	16365
65°	21195	476	453	15234	21195	20325
75°	11562	325	290	7414	11562	12268
85°	2998	186	81	2243	2998	2986
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°	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9
2.5°	8761.7	8750.1	8680.3	8459.5	8227.1	8006.4	7797.2	7576.4	7460.2	7320.8	7262.7
5°	8506.0	8482.8	8285.2	7797.2	7367.2	6902.4	6507.3	6193.6	5938.0	5682.3	5589.3
7.5°	7925.0	7890.2	7657.8	6983.8	6356.3	5752.0	5275.6	4868.9	4531.9	4380.8	4206.5
10°	7460.2	7402.1	7100.0	6356.3	5542.9	4938.6	4624.9	4346.0	4055.5	3811.4	3555.8
12.5°	7169.7	7100.0	6786.2	5914.7	5124.5	4671.3	4346.0	4032.2	3672.0	3369.9	3091.0
15°	7181.3	7100.0	6716.5	5798.5	5020.0	4438.9	3985.7	3555.8	3137.5	2800.5	2486.7
17.5°	7518.3	7413.7	7007.0	5961.2	4938.6	4136.8	3532.6	2974.8	2498.4	2138.1	1882.5
20°	8122.6	8052.8	7588.0	6205.2	4857.3	3811.4	3067.7	2393.8	1894.1	1615.2	1510.6
22.5°	9028.9	8947.6	8447.9	6577.1	4834.0	3520.9	2568.1	1882.5	1522.3	1406.1	1348.0
25°	10074.8	9923.7	9458.9	7204.6	4880.5	3253.7	2161.4	1557.1	1359.6	1278.2	1243.4
27.5°	10981.1	10888.2	10365.3	7797.2	4903.7	3044.5	1882.5	1417.7	1266.6	1196.9	1173.6
30°	11666.7	11631.9	11120.6	8447.9	4845.6	2788.9	1708.2	1359.6	1266.6	1196.9	1127.2
32.5°	12352.3	12364.0	11817.8	8947.6	4764.3	2568.1	1545.5	1208.5	1115.5	1069.1	1080.7
35°	13061.2	13119.3	12654.5	9435.7	4590.0	2486.7	1429.3	1127.2	1045.8	976.1	941.2
37.5°	13955.9	14107.0	13653.8	9981.8	4415.7	2417.0	1371.2	1069.1	987.7	929.6	883.1
40°	14676.4	14955.3	14688.0	10493.1	4299.5	2335.7	1324.7	1011.0	952.9	883.1	848.3
42.5°	15210.9	15536.3	15443.3	10888.2	4299.5	2254.3	1278.2	976.1	929.6	848.3	801.8
45°	15675.7	16012.7	16001.1	11294.9	4392.5	2207.8	1220.1	976.1	906.4	825.0	778.6
47.5°	16094.1	16431.0	16547.3	11806.2	4543.5	2184.6	1150.4	952.9	906.4	813.4	743.7
50°	16547.3	16919.1	17267.7	12619.6	4729.4	2126.5	1103.9	918.0	918.0	801.8	720.5
52.5°	17128.3	17546.6	18185.7	13630.6	4915.4	2021.9	1034.2	894.8	918.0	790.2	697.2
55°	18069.5	18418.1	19254.8	14839.1	5147.8	1894.1	976.1	836.7	871.5	755.3	662.4
57.5°	19126.9	19429.1	20126.3	15768.7	5217.5	1731.4	894.8	778.6	836.7	720.5	615.9
60°	20428.4	20579.5	20579.5	16036.0	4985.1	1580.4	836.7	732.1	755.3	685.6	581.0
62.5°	21253.5	21253.5	20579.5	15547.9	4543.5	1452.5	790.2	685.6	662.4	639.1	546.2
65°	21195.4	21102.4	20103.1	14130.2	4032.2	1371.2	743.7	627.5	592.6	581.0	511.3
67.5°	20219.3	20056.6	18697.0	12131.6	3497.7	1336.3	697.2	569.4	546.2	522.9	464.8
70°	18150.8	17732.5	16059.2	9761.0	2974.8	1313.1	685.6	522.9	499.7	476.4	429.9
72.5°	15152.8	14618.3	12538.3	7506.7	2498.4	1231.7	650.7	464.8	453.2	429.9	383.5
75°	11562.2	10574.4	8750.1	5740.4	1940.6	1069.1	557.8	406.7	406.7	395.1	348.6
77.5°	7971.5	7460.2	6100.6	4241.4	1417.7	825.0	453.2	360.2	360.2	371.8	325.4
80°	5635.8	5159.4	4346.0	3044.5	894.8	557.8	348.6	302.1	337.0	360.2	302.1
82.5°	4311.1	3962.5	3230.4	2219.5	522.9	383.5	267.3	244.0	290.5	313.7	255.6
85°	2998.0	2579.7	1638.5	1487.4	302.1	232.4	197.5	197.5	255.6	313.7	232.4
87.5°	848.3	360.2	104.6	441.6	127.8	93.0	69.7	46.5	69.7	69.7	46.5
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°	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9
2.5°	7204.6	7134.8	7134.8	7111.6	7123.2	7134.8	7123.2	7204.6	7239.4	7285.9	7378.9
5°	5531.2	5624.2	5554.5	5624.2	5717.2	5856.6	5891.5	5996.1	6007.7	6089.0	6042.5
7.5°	4102.0	4090.3	4032.2	4113.6	4369.2	4566.8	4659.7	4717.8	4729.4	4729.4	4671.3
10°	3474.5	3369.9	3265.3	3207.2	3230.4	3439.6	3509.3	3544.2	3520.9	3555.8	3509.3
12.5°	2974.8	2881.8	2730.8	2626.2	2556.5	2614.6	2684.3	2719.1	2742.4	2800.5	2847.0
15°	2417.0	2324.1	2231.1	2173.0	2114.9	2068.4	2126.5	2161.4	2219.5	2266.0	2289.2
17.5°	1836.0	1789.5	1743.0	1777.9	1777.9	1754.7	1777.9	1789.5	1812.8	1847.6	1836.0
20°	1487.4	1475.8	1464.2	1522.3	1568.7	1568.7	1592.0	1557.1	1545.5	1510.6	1499.0
22.5°	1324.7	1324.7	1336.3	1382.8	1429.3	1452.5	1452.5	1394.4	1336.3	1313.1	1324.7
25°	1231.7	1231.7	1266.6	1278.2	1301.5	1301.5	1313.1	1255.0	1220.1	1185.3	1196.9
27.5°	1162.0	1162.0	1173.6	1173.6	1185.3	1185.3	1196.9	1173.6	1127.2	1115.5	1115.5
30°	1115.5	1115.5	1103.9	1103.9	1103.9	1103.9	1115.5	1080.7	1057.4	1045.8	1045.8
32.5°	1069.1	1057.4	1045.8	1045.8	1034.2	1034.2	1045.8	1011.0	999.3	999.3	999.3
35°	929.6	918.0	929.6	952.9	952.9	964.5	964.5	952.9	929.6	906.4	894.8
37.5°	871.5	859.9	859.9	859.9	883.1	894.8	906.4	883.1	848.3	813.4	813.4
40°	825.0	825.0	813.4	813.4	813.4	836.7	859.9	825.0	778.6	766.9	766.9
42.5°	790.2	778.6	766.9	755.3	743.7	778.6	801.8	755.3	732.1	732.1	732.1
45°	755.3	743.7	732.1	720.5	708.8	720.5	743.7	697.2	685.6	685.6	685.6
47.5°	720.5	708.8	685.6	674.0	662.4	662.4	685.6	650.7	639.1	650.7	650.7
50°	697.2	674.0	650.7	639.1	627.5	627.5	627.5	615.9	615.9	615.9	627.5
52.5°	674.0	650.7	615.9	604.3	592.6	592.6	592.6	592.6	581.0	592.6	604.3
55°	639.1	615.9	592.6	581.0	569.4	557.8	569.4	557.8	557.8	569.4	569.4
57.5°	592.6	569.4	546.2	546.2	534.5	534.5	546.2	534.5	534.5	546.2	546.2
60°	557.8	534.5	511.3	511.3	499.7	511.3	522.9	511.3	511.3	511.3	522.9
62.5°	511.3	499.7	476.4	476.4	476.4	476.4	488.1	476.4	488.1	488.1	488.1
65°	476.4	453.2	441.6	441.6	441.6	441.6	464.8	441.6	453.2	453.2	453.2
67.5°	441.6	418.3	406.7	406.7	406.7	406.7	429.9	406.7	418.3	429.9	418.3
70°	406.7	383.5	371.8	371.8	371.8	371.8	383.5	371.8	371.8	383.5	383.5
72.5°	360.2	348.6	337.0	337.0	325.4	337.0	348.6	337.0	337.0	337.0	337.0
75°	325.4	313.7	313.7	302.1	302.1	302.1	313.7	290.5	290.5	290.5	290.5
77.5°	302.1	278.9	278.9	278.9	267.3	278.9	267.3	244.0	244.0	244.0	244.0
80°	255.6	232.4	244.0	244.0	232.4	232.4	220.8	197.5	197.5	197.5	197.5
82.5°	209.2	185.9	197.5	197.5	197.5	197.5	174.3	162.7	151.1	139.4	139.4
85°	185.9	151.1	174.3	174.3	162.7	162.7	116.2	116.2	93.0	93.0	81.3
87.5°	34.9	23.2	46.5	58.1	58.1	69.7	46.5	58.1	34.9	23.2	23.2
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°	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9
2.5°	7367.2	7495.1	7669.4	7797.2	7994.7	8145.8	8378.2	8575.8	8761.7	8843.0	8924.4
5°	6182.0	6263.3	6530.6	6739.8	7053.5	7390.5	7808.8	8262.0	8726.8	8936.0	9180.0
7.5°	4624.9	4775.9	4927.0	5229.1	5612.6	6158.7	6693.3	7367.2	8018.0	8331.7	8750.1
10°	3590.7	3706.9	3881.2	4194.9	4555.1	5008.3	5647.4	6449.2	7227.8	7634.5	8064.5
12.5°	2881.8	3044.5	3276.9	3602.3	4020.6	4485.4	4950.2	5693.9	6600.3	7065.1	7553.2
15°	2335.7	2463.5	2719.1	3125.9	3613.9	4090.3	4578.4	5194.3	6182.0	6716.5	7297.5
17.5°	1859.2	1952.2	2184.6	2591.3	3079.4	3613.9	4171.7	4950.2	6042.5	6693.3	7378.9
20°	1510.6	1580.4	1731.4	2033.5	2498.4	3079.4	3776.6	4717.8	6123.9	6960.5	7797.2
22.5°	1324.7	1348.0	1417.7	1580.4	1963.8	2579.7	3416.4	4520.3	6274.9	7355.6	8482.8
25°	1196.9	1220.1	1243.4	1348.0	1568.7	2149.7	3102.6	4404.1	6600.3	7936.6	9273.0
27.5°	1115.5	1138.8	1150.4	1196.9	1348.0	1836.0	2835.3	4334.4	7041.9	8784.9	10249.1
30°	1045.8	1045.8	1080.7	1150.4	1255.0	1615.2	2602.9	4171.7	7506.7	9493.8	11016.0
32.5°	987.7	999.3	1045.8	1080.7	1150.4	1429.3	2370.5	3962.5	7925.0	10074.8	11771.3
35°	883.1	883.1	894.8	952.9	1045.8	1278.2	2161.4	3753.3	8157.4	10644.2	12445.3
37.5°	813.4	825.0	848.3	894.8	976.1	1173.6	1987.1	3520.9	8401.4	11178.7	13235.5
40°	766.9	778.6	801.8	848.3	929.6	1080.7	1836.0	3335.0	8657.1	11759.7	14083.8
42.5°	732.1	743.7	766.9	813.4	883.1	1057.4	1673.3	3184.0	8808.2	12294.2	14885.6
45°	697.2	708.8	743.7	790.2	848.3	1034.2	1580.4	3079.4	8866.3	12654.5	15524.7
47.5°	662.4	674.0	708.8	778.6	848.3	999.3	1545.5	3021.3	8912.7	13061.2	16036.0
50°	627.5	650.7	697.2	766.9	859.9	952.9	1522.3	3009.6	9180.0	13584.1	16524.0
52.5°	604.3	639.1	685.6	766.9	848.3	883.1	1510.6	3044.5	9714.5	14362.6	17221.2
55°	581.0	615.9	662.4	766.9	813.4	825.0	1452.5	3102.6	10528.0	15443.3	18208.9
57.5°	557.8	581.0	639.1	743.7	766.9	778.6	1336.3	3184.0	11341.4	16500.8	19219.9
60°	522.9	546.2	604.3	743.7	697.2	732.1	1185.3	3207.2	11922.4	16837.8	19312.9
62.5°	488.1	511.3	569.4	766.9	639.1	685.6	1057.4	3125.9	12038.6	16349.7	18790.0
65°	453.2	476.4	522.9	639.1	592.6	639.1	976.1	2905.1	11655.1	15234.2	17837.1
67.5°	418.3	441.6	476.4	522.9	534.5	581.0	941.2	2556.5	10690.6	13851.4	16535.6
70°	371.8	395.1	429.9	464.8	476.4	546.2	883.1	2219.5	9133.5	12003.7	14943.7
72.5°	337.0	348.6	383.5	406.7	429.9	499.7	848.3	1940.6	6983.8	9714.5	12189.7
75°	290.5	290.5	325.4	348.6	371.8	441.6	778.6	1615.2	4927.0	7413.7	8959.2
77.5°	244.0	244.0	267.3	290.5	313.7	383.5	662.4	1313.1	3416.4	5879.9	6495.7
80°	185.9	185.9	209.2	232.4	255.6	325.4	534.5	964.5	2114.9	4299.5	4729.4
82.5°	127.8	127.8	162.7	174.3	185.9	255.6	406.7	662.4	1243.4	3102.6	3381.5
85°	69.7	69.7	93.0	104.6	127.8	185.9	302.1	464.8	743.7	2242.7	2254.3
87.5°	11.6	11.6	34.9	34.9	58.1	93.0	174.3	255.6	418.3	1243.4	790.2
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: P598609  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9	8296.9
2.5°	9075.4	9203.2	9214.9	9214.9	9156.8	9168.4	9005.7	8831.4	8773.3	8761.7
5°	9551.9	9888.8	9981.8	10028.3	9877.2	9644.8	9226.5	8773.3	8540.9	8506.0
7.5°	9458.9	10132.9	10493.1	10539.6	10237.4	9691.3	8959.2	8262.0	7994.7	7925.0
10°	8912.7	9819.1	10469.9	10632.5	10307.2	9610.0	8657.1	7843.7	7518.3	7460.2
12.5°	8529.3	9400.8	10039.9	10260.7	10109.6	9505.4	8506.0	7576.4	7251.0	7169.7
15°	8320.1	9121.9	9540.2	9610.0	9598.3	9342.7	8506.0	7634.5	7274.3	7181.3
17.5°	8494.4	9040.6	9098.7	8936.0	9028.9	9156.8	8692.0	7948.3	7599.7	7518.3
20°	8843.0	9005.7	8726.8	8482.8	8529.3	8936.0	8982.5	8540.9	8262.0	8122.6
22.5°	9575.1	9133.5	8494.4	8157.4	8192.3	8761.7	9365.9	9342.7	9098.7	9028.9
25°	10318.8	9493.8	8424.7	8029.6	8076.1	8726.8	9819.1	10237.4	10109.6	10074.8
27.5°	11143.8	10098.0	8471.2	7971.5	8029.6	8773.3	10132.9	10992.8	11016.0	10981.1
30°	11701.6	10388.5	8610.6	8041.2	8122.6	8889.5	10202.6	11446.0	11655.1	11666.7
32.5°	12166.4	10679.0	8901.1	8157.4	8296.9	9098.7	10388.5	11875.9	12340.7	12352.3
35°	12538.3	11004.4	9261.3	8366.6	8575.8	9447.3	10632.5	12282.6	12979.8	13061.2
37.5°	13014.7	11364.6	9679.7	8819.8	9052.2	9946.9	11062.5	12759.0	13735.1	13955.9
40°	13526.0	11724.8	10283.9	9551.9	9888.8	10690.6	11550.5	13293.6	14374.3	14676.4
42.5°	14095.4	12108.3	10969.5	10539.6	11050.9	11631.9	12108.3	13781.6	14862.3	15210.9
45°	14653.1	12573.1	11968.9	11887.5	12456.9	12747.4	12654.5	14130.2	15327.1	15675.7
47.5°	15048.2	13247.1	13177.4	13665.4	14200.0	14048.9	13293.6	14385.9	15710.6	16094.1
50°	15408.5	14083.8	14699.6	15652.5	15977.9	15466.6	13979.2	14734.5	16117.3	16547.3
52.5°	15943.0	14978.5	16268.4	17453.6	17767.4	16954.0	14722.9	15303.9	16744.8	17128.3
55°	17035.3	15989.5	17906.8	19266.4	19324.5	18313.5	15722.2	16268.4	17627.9	18069.5
57.5°	18255.4	17232.8	19208.3	20765.4	20742.2	19673.1	16849.4	17569.8	18824.8	19126.9
60°	19359.4	18487.8	20626.0	21834.5	21776.4	20660.8	18162.5	19045.6	20196.0	20428.4
62.5°	20010.1	19626.6	21253.5	22171.5	21950.7	20986.2	19278.0	20358.7	21172.1	21253.5
65°	19905.5	20277.4	20521.4	21090.8	20777.0	20079.8	19824.2	21195.4	21276.7	21195.4
67.5°	19115.3	19905.5	18511.1	18569.2	18406.5	17813.9	18975.9	20974.6	20416.8	20219.3
70°	17918.4	17976.5	15478.2	14746.1	15001.8	14188.3	16280.0	19254.8	18394.9	18150.8
72.5°	15931.4	15210.9	11701.6	10957.9	11341.4	10760.4	13061.2	16779.7	15943.0	15152.8
75°	13363.3	12050.2	8912.7	7855.3	8052.8	8029.6	10121.2	13863.0	12352.3	11562.2
77.5°	10353.7	9389.2	6577.1	6170.4	5961.2	6007.7	7065.1	10307.2	8959.2	7971.5
80°	7564.8	6565.4	5089.7	5322.1	5205.9	4927.0	4950.2	6902.4	6228.5	5635.8
82.5°	5229.1	4671.3	4125.2	4659.7	4380.8	3950.9	3857.9	4973.5	4671.3	4311.1
85°	3509.3	3846.3	3276.9	3567.4	3091.0	2847.0	3625.5	4160.1	3358.3	2998.0
87.5°	2289.2	3520.9	2358.9	1789.5	1022.6	1371.2	2219.5	2730.8	1568.7	848.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)