

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: P598696

Luminaire Tested: **IFLD-L-SA7C-735-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598696  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-735-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 3500K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

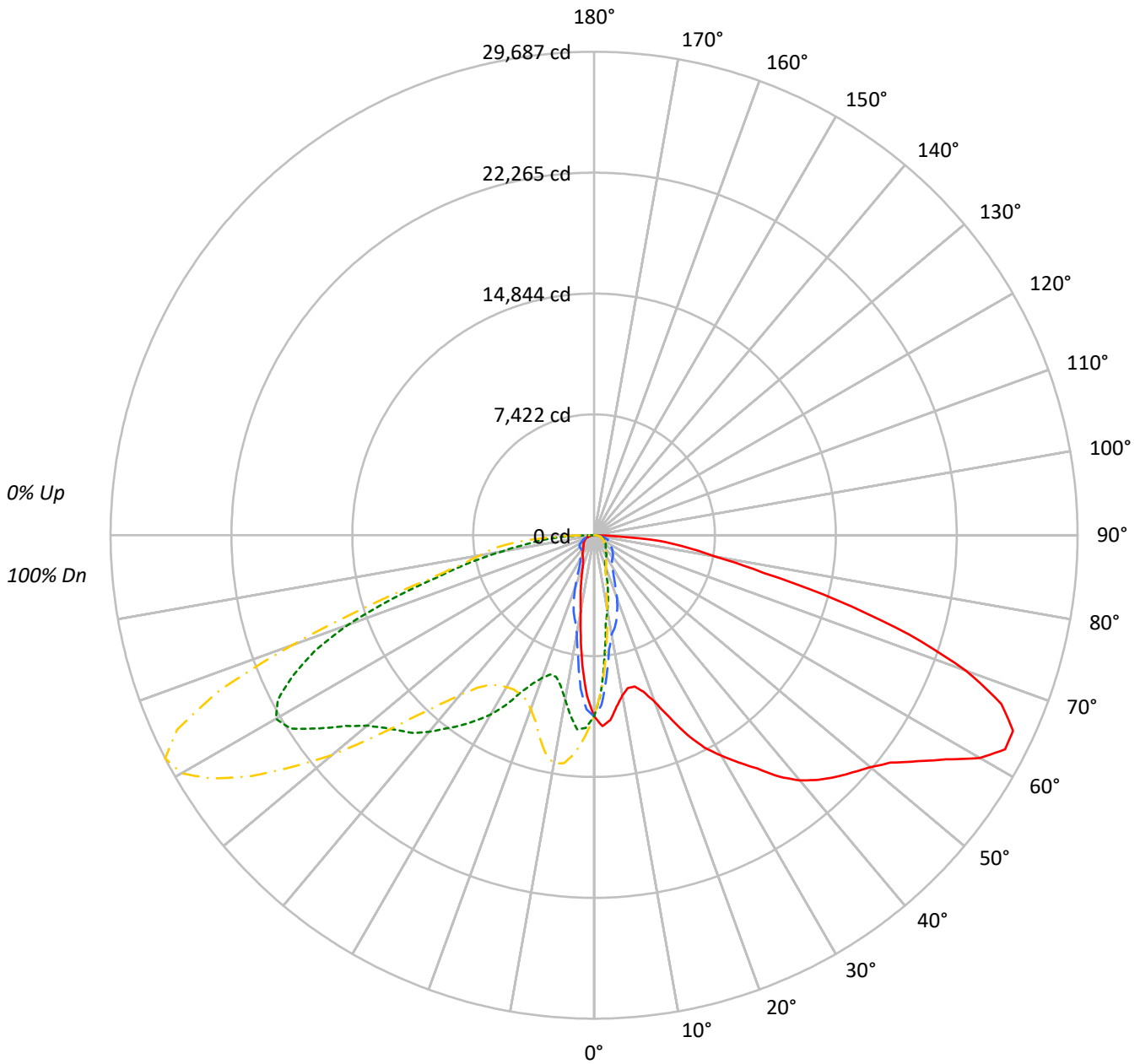
Lumens per Lamp: N/A  
 Luminaire Lumens: 37190.3 lumens  
 Efficiency: N/A  
 Efficacy: 100.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

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	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	77	77	77	77	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	59	59	59	59	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	46	46	46	46	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	36	36	36	36	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	30	30	30	30	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	25	25	25	25	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	21	21	21	21	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	18	18	18	18	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	16	16	16	16	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	14	14	14	14	14		

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

	0°	90°	180°	270°
0°	59790	59790	59790	59790
5°	61532	40013	43711	64642
10°	54590	25425	25679	55866
15°	53577	18033	17079	50109
20°	62291	11407	11496	53380
25°	80108	9794	9517	63107
30°	97081	9283	8702	78999
35°	114904	8179	7872	93641
40°	138064	7761	7215	110627
45°	159757	7698	6987	128966
50°	185514	7817	7035	152294
55°	227025	8030	7154	194030
60°	294430	8040	7537	242679
65°	361419	8124	7727	259769
70°	382440	8570	8080	252920
75°	321929	9060	8089	206423
80°	233886	10609	8198	178429
85°	247887	15376	6725	185438

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	859.8	2.3
10°-20°	1799.4	4.8
20°-30°	2593.1	7.0
30°-40°	3733.0	10.0
40°-50°	5302.5	14.3
50°-60°	7623.5	20.5
60°-70°	8807.7	23.7
70°-80°	4987.1	13.4
80°-90°	1484.2	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°	5252.3	14.1
0°-40°	8985.3	24.2
0°-60°	21911.4	58.9
0°-90°	37190.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37190.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11109	11109	11109	11109	11109	
5°	11390	7406	8091	11965	11390	1033
15°	9616	3236	3065	8993	9616	2828
25°	13490	1649	1603	10627	13490	6261
35°	17489	1245	1198	14252	17489	11099
45°	20990	1011	918	16944	20990	16253
55°	24195	856	762	20678	24195	21912
65°	28380	638	607	20398	28380	27215
75°	15482	436	389	9927	15482	16427
85°	4014	249	109	3003	4014	3998
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°	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4
2.5°	11731.8	11716.2	11622.9	11327.3	11016.1	10720.4	10440.4	10144.7	9989.1	9802.4	9724.6
5°	11389.5	11358.4	11093.9	10440.4	9864.7	9242.3	8713.3	8293.2	7950.9	7608.6	7484.1
7.5°	10611.5	10564.8	10253.7	9351.2	8511.0	7701.9	7064.0	6519.4	6068.2	5865.9	5632.5
10°	9989.1	9911.3	9506.8	8511.0	7421.8	6612.8	6192.6	5819.2	5430.2	5103.5	4761.2
12.5°	9600.2	9506.8	9086.7	7919.7	6861.7	6254.9	5819.2	5399.1	4916.8	4512.2	4138.8
15°	9615.7	9506.8	8993.3	7764.1	6721.7	5943.7	5336.9	4761.2	4201.0	3749.8	3329.7
17.5°	10066.9	9926.9	9382.3	7982.0	6612.8	5539.2	4730.1	3983.2	3345.3	2862.9	2520.6
20°	10876.0	10782.7	10160.3	8308.7	6503.8	5103.5	4107.7	3205.2	2536.2	2162.8	2022.7
22.5°	12089.7	11980.7	11311.7	8806.6	6472.7	4714.5	3438.6	2520.6	2038.3	1882.7	1804.9
25°	13490.0	13287.7	12665.4	9646.8	6535.0	4356.6	2894.1	2085.0	1820.5	1711.5	1664.9
27.5°	14703.6	14579.2	13879.0	10440.4	6566.1	4076.6	2520.6	1898.2	1696.0	1602.6	1571.5
30°	15621.6	15575.0	14890.4	11311.7	6488.3	3734.3	2287.2	1820.5	1696.0	1602.6	1509.3
32.5°	16539.7	16555.2	15823.9	11980.7	6379.4	3438.6	2069.4	1618.2	1493.7	1431.5	1447.0
35°	17488.8	17566.6	16944.2	12634.2	6146.0	3329.7	1913.8	1509.3	1400.3	1307.0	1260.3
37.5°	18686.9	18889.1	18282.3	13365.5	5912.6	3236.4	1836.0	1431.5	1322.6	1244.8	1182.5
40°	19651.5	20025.0	19667.1	14050.1	5757.0	3127.4	1773.8	1353.7	1275.9	1182.5	1135.8
42.5°	20367.3	20802.9	20678.5	14579.2	5757.0	3018.5	1711.5	1307.0	1244.8	1135.8	1073.6
45°	20989.6	21440.9	21425.3	15123.7	5881.5	2956.3	1633.7	1307.0	1213.6	1104.7	1042.5
47.5°	21549.8	22001.0	22156.6	15808.4	6083.7	2925.2	1540.4	1275.9	1213.6	1089.2	995.8
50°	22156.6	22654.5	23121.3	16897.5	6332.7	2847.4	1478.1	1229.2	1229.2	1073.6	964.7
52.5°	22934.6	23494.7	24350.5	18251.2	6581.6	2707.3	1384.8	1198.1	1229.2	1058.0	933.6
55°	24194.9	24661.7	25781.9	19869.4	6892.8	2536.2	1307.0	1120.3	1167.0	1011.4	886.9
57.5°	25610.8	26015.3	26948.9	21114.1	6986.2	2318.4	1198.1	1042.5	1120.3	964.7	824.6
60°	27353.4	27555.7	27555.7	21472.0	6675.0	2116.1	1120.3	980.2	1011.4	918.0	778.0
62.5°	28458.2	28458.2	27555.7	20818.5	6083.7	1944.9	1058.0	918.0	886.9	855.8	731.3
65°	28380.4	28255.9	26917.8	18920.2	5399.1	1836.0	995.8	840.2	793.5	778.0	684.6
67.5°	27073.4	26855.5	25035.1	16244.0	4683.4	1789.3	933.6	762.4	731.3	700.2	622.4
70°	24303.8	23743.7	21503.1	13069.9	3983.2	1758.2	918.0	700.2	669.1	637.9	575.7
72.5°	20289.5	19573.7	16788.6	10051.4	3345.3	1649.3	871.3	622.4	606.8	575.7	513.5
75°	15481.6	14159.1	11716.2	7686.3	2598.4	1431.5	746.9	544.6	544.6	529.0	466.8
77.5°	10673.8	9989.1	8168.7	5679.2	1898.2	1104.7	606.8	482.3	482.3	497.9	435.7
80°	7546.3	6908.4	5819.2	4076.6	1198.1	746.9	466.8	404.5	451.2	482.3	404.5
82.5°	5772.5	5305.8	4325.5	2971.8	700.2	513.5	357.9	326.7	389.0	420.1	342.3
85°	4014.3	3454.2	2193.9	1991.6	404.5	311.2	264.5	264.5	342.3	420.1	311.2
87.5°	1135.8	482.3	140.0	591.3	171.2	124.5	93.4	62.2	93.4	93.4	62.2
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°	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4
2.5°	9646.8	9553.5	9553.5	9522.4	9537.9	9553.5	9537.9	9646.8	9693.5	9755.8	9880.2
5°	7406.3	7530.8	7437.4	7530.8	7655.2	7841.9	7888.6	8028.7	8044.2	8153.1	8090.9
7.5°	5492.5	5476.9	5399.1	5508.0	5850.3	6114.8	6239.3	6317.1	6332.7	6332.7	6254.9
10°	4652.3	4512.2	4372.2	4294.4	4325.5	4605.6	4698.9	4745.6	4714.5	4761.2	4698.9
12.5°	3983.2	3858.7	3656.5	3516.4	3423.1	3500.9	3594.2	3640.9	3672.0	3749.8	3812.1
15°	3236.4	3111.9	2987.4	2909.6	2831.8	2769.6	2847.4	2894.1	2971.8	3034.1	3065.2
17.5°	2458.4	2396.1	2333.9	2380.6	2380.6	2349.5	2380.6	2396.1	2427.3	2473.9	2458.4
20°	1991.6	1976.0	1960.5	2038.3	2100.5	2100.5	2131.6	2085.0	2069.4	2022.7	2007.2
22.5°	1773.8	1773.8	1789.3	1851.6	1913.8	1944.9	1944.9	1867.1	1789.3	1758.2	1773.8
25°	1649.3	1649.3	1696.0	1711.5	1742.7	1742.7	1758.2	1680.4	1633.7	1587.1	1602.6
27.5°	1555.9	1555.9	1571.5	1571.5	1587.1	1587.1	1602.6	1571.5	1509.3	1493.7	1493.7
30°	1493.7	1493.7	1478.1	1478.1	1478.1	1478.1	1493.7	1447.0	1415.9	1400.3	1400.3
32.5°	1431.5	1415.9	1400.3	1400.3	1384.8	1384.8	1400.3	1353.7	1338.1	1338.1	1338.1
35°	1244.8	1229.2	1244.8	1275.9	1275.9	1291.4	1291.4	1275.9	1244.8	1213.6	1198.1
37.5°	1167.0	1151.4	1151.4	1151.4	1182.5	1198.1	1213.6	1182.5	1135.8	1089.2	1089.2
40°	1104.7	1104.7	1089.2	1089.2	1089.2	1120.3	1151.4	1104.7	1042.5	1026.9	1026.9
42.5°	1058.0	1042.5	1026.9	1011.4	995.8	1042.5	1073.6	1011.4	980.2	980.2	980.2
45°	1011.4	995.8	980.2	964.7	949.1	964.7	995.8	933.6	918.0	918.0	918.0
47.5°	964.7	949.1	918.0	902.4	886.9	886.9	918.0	871.3	855.8	871.3	871.3
50°	933.6	902.4	871.3	855.8	840.2	840.2	840.2	824.6	824.6	824.6	840.2
52.5°	902.4	871.3	824.6	809.1	793.5	793.5	793.5	793.5	778.0	793.5	809.1
55°	855.8	824.6	793.5	778.0	762.4	746.9	762.4	746.9	746.9	762.4	762.4
57.5°	793.5	762.4	731.3	731.3	715.7	715.7	731.3	715.7	715.7	731.3	731.3
60°	746.9	715.7	684.6	684.6	669.1	684.6	700.2	684.6	684.6	684.6	700.2
62.5°	684.6	669.1	637.9	637.9	637.9	637.9	653.5	637.9	653.5	653.5	653.5
65°	637.9	606.8	591.3	591.3	591.3	591.3	622.4	591.3	606.8	606.8	606.8
67.5°	591.3	560.1	544.6	544.6	544.6	544.6	575.7	544.6	560.1	575.7	560.1
70°	544.6	513.5	497.9	497.9	497.9	497.9	513.5	497.9	497.9	513.5	513.5
72.5°	482.3	466.8	451.2	451.2	435.7	451.2	466.8	451.2	451.2	451.2	451.2
75°	435.7	420.1	420.1	404.5	404.5	404.5	420.1	389.0	389.0	389.0	389.0
77.5°	404.5	373.4	373.4	373.4	357.9	373.4	357.9	326.7	326.7	326.7	326.7
80°	342.3	311.2	326.7	326.7	311.2	311.2	295.6	264.5	264.5	264.5	264.5
82.5°	280.1	249.0	264.5	264.5	264.5	264.5	233.4	217.8	202.3	186.7	186.7
85°	249.0	202.3	233.4	233.4	217.8	217.8	155.6	155.6	124.5	124.5	108.9
87.5°	46.7	31.1	62.2	77.8	77.8	93.4	62.2	77.8	46.7	31.1	31.1
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°	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4
2.5°	9864.7	10035.8	10269.2	10440.4	10704.9	10907.1	11218.3	11482.8	11731.8	11840.7	11949.6
5°	8277.6	8386.5	8744.4	9024.5	9444.6	9895.8	10455.9	11062.7	11685.1	11965.2	12291.9
7.5°	6192.6	6394.9	6597.2	7001.7	7515.2	8246.5	8962.2	9864.7	10736.0	11156.1	11716.2
10°	4807.9	4963.5	5196.8	5616.9	6099.3	6706.1	7561.9	8635.5	9678.0	10222.5	10798.2
12.5°	3858.7	4076.6	4387.8	4823.4	5383.6	6005.9	6628.3	7624.1	8837.7	9460.1	10113.6
15°	3127.4	3298.6	3640.9	4185.5	4839.0	5476.9	6130.4	6955.1	8277.6	8993.3	9771.3
17.5°	2489.5	2614.0	2925.2	3469.7	4123.2	4839.0	5585.8	6628.3	8090.9	8962.2	9880.2
20°	2022.7	2116.1	2318.4	2722.9	3345.3	4123.2	5056.8	6317.1	8199.8	9320.1	10440.4
22.5°	1773.8	1804.9	1898.2	2116.1	2629.5	3454.2	4574.5	6052.6	8402.1	9849.1	11358.4
25°	1602.6	1633.7	1664.9	1804.9	2100.5	2878.5	4154.4	5897.0	8837.7	10627.1	12416.4
27.5°	1493.7	1524.8	1540.4	1602.6	1804.9	2458.4	3796.5	5803.7	9429.0	11762.9	13723.4
30°	1400.3	1400.3	1447.0	1540.4	1680.4	2162.8	3485.3	5585.8	10051.4	12712.0	14750.3
32.5°	1322.6	1338.1	1400.3	1447.0	1540.4	1913.8	3174.1	5305.8	10611.5	13490.0	15761.7
35°	1182.5	1182.5	1198.1	1275.9	1400.3	1711.5	2894.1	5025.7	10922.7	14252.4	16664.1
37.5°	1089.2	1104.7	1135.8	1198.1	1307.0	1571.5	2660.7	4714.5	11249.5	14968.2	17722.2
40°	1026.9	1042.5	1073.6	1135.8	1244.8	1447.0	2458.4	4465.6	11591.8	15746.1	18858.0
42.5°	980.2	995.8	1026.9	1089.2	1182.5	1415.9	2240.6	4263.3	11794.0	16461.9	19931.6
45°	933.6	949.1	995.8	1058.0	1135.8	1384.8	2116.1	4123.2	11871.8	16944.2	20787.4
47.5°	886.9	902.4	949.1	1042.5	1135.8	1338.1	2069.4	4045.4	11934.1	17488.8	21472.0
50°	840.2	871.3	933.6	1026.9	1151.4	1275.9	2038.3	4029.9	12291.9	18189.0	22125.5
52.5°	809.1	855.8	918.0	1026.9	1135.8	1182.5	2022.7	4076.6	13007.7	19231.4	23059.0
55°	778.0	824.6	886.9	1026.9	1089.2	1104.7	1944.9	4154.4	14096.8	20678.5	24381.6
57.5°	746.9	778.0	855.8	995.8	1026.9	1042.5	1789.3	4263.3	15186.0	22094.4	25735.3
60°	700.2	731.3	809.1	995.8	933.6	980.2	1587.1	4294.4	15964.0	22545.6	25859.7
62.5°	653.5	684.6	762.4	1026.9	855.8	918.0	1415.9	4185.5	16119.6	21892.1	25159.6
65°	606.8	637.9	700.2	855.8	793.5	855.8	1307.0	3889.9	15606.1	20398.4	23883.7
67.5°	560.1	591.3	637.9	700.2	715.7	778.0	1260.3	3423.1	14314.7	18546.8	22141.0
70°	497.9	529.0	575.7	622.4	637.9	731.3	1182.5	2971.8	12229.7	16072.9	20009.4
72.5°	451.2	466.8	513.5	544.6	575.7	669.1	1135.8	2598.4	9351.2	13007.7	16321.8
75°	389.0	389.0	435.7	466.8	497.9	591.3	1042.5	2162.8	6597.2	9926.9	11996.3
77.5°	326.7	326.7	357.9	389.0	420.1	513.5	886.9	1758.2	4574.5	7873.1	8697.7
80°	249.0	249.0	280.1	311.2	342.3	435.7	715.7	1291.4	2831.8	5757.0	6332.7
82.5°	171.2	171.2	217.8	233.4	249.0	342.3	544.6	886.9	1664.9	4154.4	4527.8
85°	93.4	93.4	124.5	140.0	171.2	249.0	404.5	622.4	995.8	3003.0	3018.5
87.5°	15.6	15.6	46.7	46.7	77.8	124.5	233.4	342.3	560.1	1664.9	1058.0
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: P598696  
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4	11109.4
2.5°	12151.9	12323.1	12338.6	12338.6	12260.8	12276.4	12058.5	11825.2	11747.4	11731.8
5°	12789.8	13241.1	13365.5	13427.8	13225.5	12914.3	12354.2	11747.4	11436.2	11389.5
7.5°	12665.4	13567.8	14050.1	14112.4	13707.8	12976.5	11996.3	11062.7	10704.9	10611.5
10°	11934.1	13147.7	14019.0	14236.9	13801.2	12867.6	11591.8	10502.6	10066.9	9989.1
12.5°	11420.6	12587.6	13443.3	13739.0	13536.7	12727.6	11389.5	10144.7	9709.1	9600.2
15°	11140.5	12214.1	12774.3	12867.6	12852.1	12509.8	11389.5	10222.5	9740.2	9615.7
17.5°	11373.9	12105.2	12183.0	11965.2	12089.7	12260.8	11638.4	10642.6	10175.9	10066.9
20°	11840.7	12058.5	11685.1	11358.4	11420.6	11965.2	12027.4	11436.2	11062.7	10876.0
22.5°	12821.0	12229.7	11373.9	10922.7	10969.4	11731.8	12540.9	12509.8	12183.0	12089.7
25°	13816.8	12712.0	11280.6	10751.6	10813.8	11685.1	13147.7	13707.8	13536.7	13490.0
27.5°	14921.5	13521.1	11342.8	10673.8	10751.6	11747.4	13567.8	14719.2	14750.3	14703.6
30°	15668.3	13910.1	11529.5	10767.1	10876.0	11903.0	13661.2	15326.0	15606.1	15621.6
32.5°	16290.7	14299.1	11918.5	10922.7	11109.4	12183.0	13910.1	15901.7	16524.1	16539.7
35°	16788.6	14734.8	12400.9	11202.8	11482.8	12649.8	14236.9	16446.3	17379.9	17488.8
37.5°	17426.5	15217.1	12961.0	11809.6	12120.8	13318.9	14812.6	17084.2	18391.2	18686.9
40°	18111.2	15699.4	13770.1	12789.8	13241.1	14314.7	15466.1	17800.0	19247.0	19651.5
42.5°	18873.6	16212.9	14688.1	14112.4	14797.0	15575.0	16212.9	18453.5	19900.5	20367.3
45°	19620.4	16835.3	16026.2	15917.3	16679.7	17068.7	16944.2	18920.2	20522.9	20989.6
47.5°	20149.4	17737.7	17644.4	18297.9	19013.6	18811.3	17800.0	19262.6	21036.3	21549.8
50°	20631.8	18858.0	19682.7	20958.5	21394.2	20709.6	18718.0	19729.3	21580.9	22156.6
52.5°	21347.5	20056.1	21783.2	23370.2	23790.3	22701.2	19713.8	20491.7	22421.1	22934.6
55°	22810.1	21409.8	23977.1	25797.5	25875.3	24521.6	21051.9	21783.2	23603.6	24194.9
57.5°	24443.8	23074.6	25719.7	27804.7	27773.6	26342.1	22561.1	23525.8	25206.2	25610.8
60°	25922.0	24755.0	27618.0	29236.1	29158.3	27664.6	24319.4	25501.9	27042.3	27353.4
62.5°	26793.3	26279.8	28458.2	29687.4	29391.7	28100.3	25813.1	27260.1	28349.2	28458.2
65°	26653.3	27151.2	27477.9	28240.3	27820.2	26886.7	26544.4	28380.4	28489.3	28380.4
67.5°	25595.2	26653.3	24786.1	24863.9	24646.1	23852.6	25408.5	28084.7	27337.9	27073.4
70°	23992.6	24070.4	20725.1	19744.9	20087.2	18998.0	21798.7	25781.9	24630.5	24303.8
72.5°	21332.0	20367.3	15668.3	14672.5	15186.0	14408.0	17488.8	22467.8	21347.5	20289.5
75°	17893.3	16135.1	11934.1	10518.2	10782.7	10751.6	13552.2	18562.4	16539.7	15481.6
77.5°	13863.4	12572.0	8806.6	8262.0	7982.0	8044.2	9460.1	13801.2	11996.3	10673.8
80°	10129.2	8791.1	6815.0	7126.2	6970.6	6597.2	6628.3	9242.3	8339.8	7546.3
82.5°	7001.7	6254.9	5523.6	6239.3	5865.9	5290.2	5165.7	6659.4	6254.9	5772.5
85°	4698.9	5150.2	4387.8	4776.7	4138.8	3812.1	4854.5	5570.3	4496.7	4014.3
87.5°	3065.2	4714.5	3158.6	2396.1	1369.2	1836.0	2971.8	3656.5	2100.5	1135.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)