

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: P598879

Luminaire Tested: **IFLD-S-SA2C-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598879  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2C-727-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (32) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

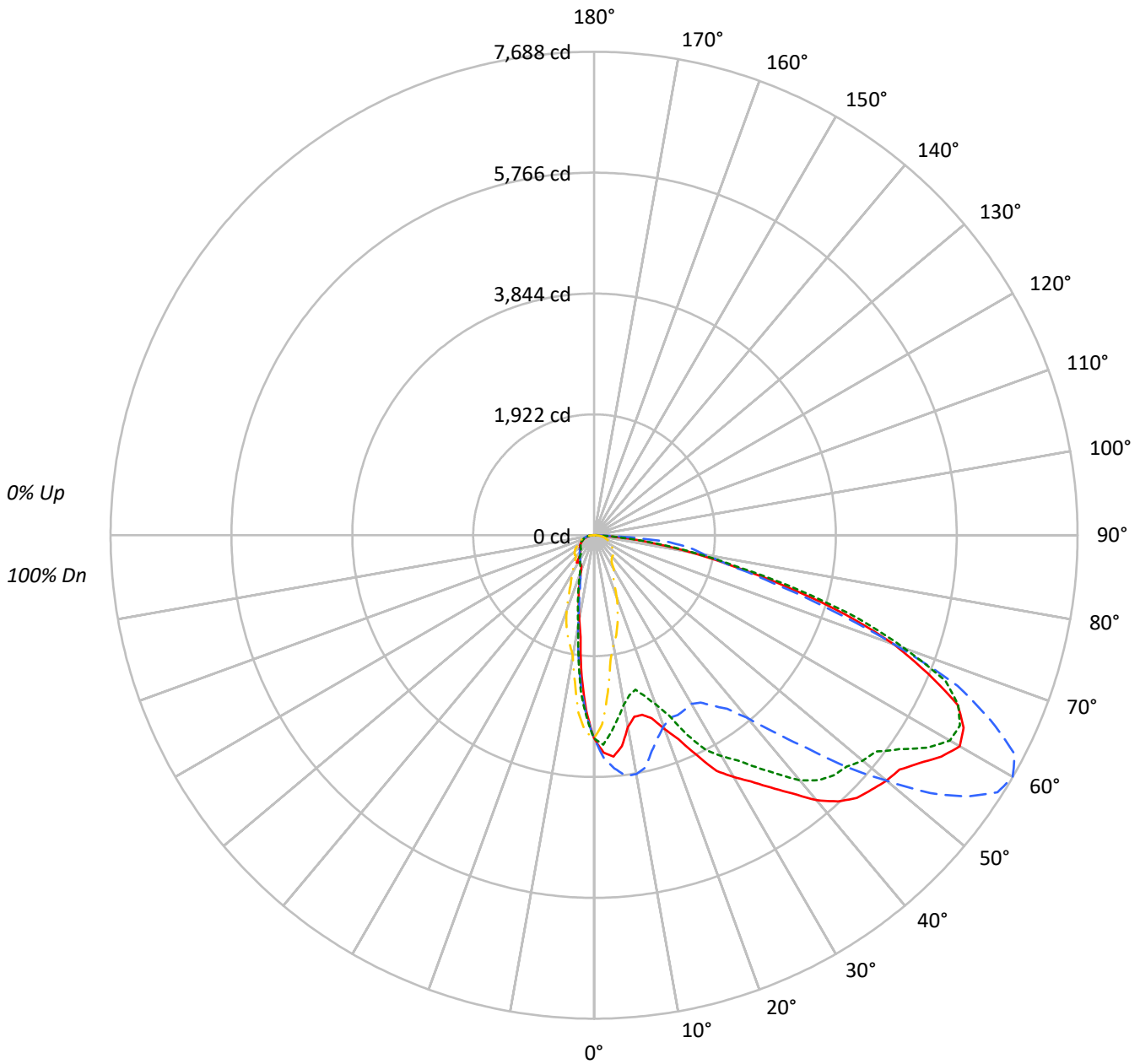
Lumens per Lamp: N/A  
 Luminaire Lumens: 10110.8 lumens  
 Efficiency: N/A  
 Efficacy: 93.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 108.2  
 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°

TEST NUMBER: P598879

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

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

	0°	90°	180°	270°
0°	69520	69520	69520	69520
5°	76376	67847	48657	53115
10°	67652	59710	29511	31668
15°	65874	56679	20892	21692
20°	75113	65558	13665	15104
25°	91517	83101	11931	12359
30°	110268	100790	12377	11484
35°	128602	118344	10255	9666
40°	154533	142935	9580	9074
45°	179838	164272	9694	9012
50°	203242	186718	9913	9314
55°	237026	222546	10269	9762
60°	289089	281175	10234	10234
65°	324890	325343	10509	10967
70°	319298	330590	11009	11292
75°	263389	280923	11562	12310
80°	190163	199623	12794	13340
85°	105248	113004	14400	17735

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.9	2.5
10°-20°	529.7	5.2
20°-30°	775.0	7.7
30°-40°	1091.9	10.8
40°-50°	1500.6	14.8
50°-60°	2045.2	20.2
60°-70°	2238.3	22.1
70°-80°	1292.3	12.8
80°-90°	387.0	3.8
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°	1555.5	15.4
0°-40°	2647.5	26.2
0°-60°	6193.2	61.3
0°-90°	10110.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10110.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3229	3229	3229	3229	3229	
5°	3534	3140	2252	2458	3534	321
15°	2956	2543	937	973	2956	864
25°	3853	3498	502	520	3853	1804
35°	4893	4503	390	368	4893	3103
45°	5907	5396	318	296	5907	4540
55°	6315	5929	274	260	6315	5698
65°	6378	6387	206	215	6378	6104
75°	3167	3377	139	148	3167	3402
85°	426	458	58	72	426	591
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°	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3
2.5°	3458.1	3444.6	3458.1	3507.4	3520.9	3543.3	3543.3	3511.9	3453.6	3426.7	3381.8
5°	3534.3	3511.9	3624.0	3727.2	3807.9	3799.0	3722.7	3659.9	3543.3	3368.4	3202.4
7.5°	3381.8	3404.3	3485.0	3754.1	3942.5	3978.4	3857.3	3731.7	3480.5	3238.3	3014.1
10°	3094.8	3126.2	3301.1	3579.2	3875.2	3933.5	3857.3	3704.8	3404.3	3103.8	2843.6
12.5°	2955.7	3027.5	3130.7	3467.1	3677.9	3816.9	3781.0	3682.4	3346.0	2991.6	2740.5
15°	2955.7	2973.7	3126.2	3408.8	3529.9	3534.3	3547.8	3565.7	3363.9	3041.0	2704.6
17.5°	3049.9	3099.3	3229.3	3404.3	3426.7	3372.9	3372.9	3449.1	3399.8	3180.0	2834.6
20°	3278.7	3260.7	3431.2	3502.9	3381.8	3247.3	3233.8	3363.9	3440.2	3328.0	3072.4
22.5°	3507.4	3588.2	3727.2	3565.7	3341.5	3162.1	3144.1	3305.6	3561.3	3583.7	3346.0
25°	3852.8	3933.5	4005.3	3807.9	3337.0	3139.6	3153.1	3278.7	3709.3	3947.0	3803.5
27.5°	4225.1	4274.4	4377.6	4072.6	3444.6	3112.7	3126.2	3314.6	3848.3	4184.7	4162.3
30°	4435.9	4489.7	4467.3	4121.9	3516.4	3130.7	3094.8	3363.9	3772.1	4184.7	4395.5
32.5°	4642.2	4610.8	4597.3	4202.6	3606.1	3242.8	3153.1	3467.1	3816.9	4252.0	4696.0
35°	4893.4	4848.5	4812.6	4359.6	3754.1	3350.4	3310.1	3601.6	3915.6	4391.0	4938.2
37.5°	5171.4	5171.4	4996.5	4476.2	3929.0	3525.4	3480.5	3794.5	4072.6	4476.2	5270.1
40°	5498.9	5512.3	5202.8	4633.2	4126.4	3803.5	3790.0	4045.7	4225.1	4601.8	5588.6
42.5°	5741.1	5750.0	5382.2	4691.5	4355.1	4189.2	4247.5	4449.3	4400.0	4713.9	5611.0
45°	5907.0	5862.2	5507.8	4857.5	4606.3	4767.8	4785.7	4844.0	4628.7	4781.2	5700.7
47.5°	5987.7	5978.8	5561.7	5050.3	5135.6	5355.3	5458.5	5377.8	4839.5	4709.5	5700.7
50°	6068.5	5992.2	5611.0	5315.0	5651.4	6095.4	6073.0	5925.0	5131.1	4799.2	5615.5
52.5°	6122.3	6055.0	5709.7	5552.7	6144.7	6647.1	6736.8	6463.2	5471.9	4965.1	5655.8
55°	6315.2	6261.3	6005.7	5875.6	6714.3	7230.1	7243.6	6862.4	5830.8	5238.7	5920.5
57.5°	6548.4	6579.8	6413.8	6333.1	7149.4	7656.2	7606.9	7158.4	6135.8	5570.6	6225.5
60°	6714.3	6763.7	6723.3	6732.3	7364.7	7799.8	7687.6	7342.3	6360.0	5821.8	6597.7
62.5°	6624.6	6723.3	6889.3	6853.4	7373.7	7696.6	7539.6	7100.1	6386.9	6149.2	6880.3
65°	6378.0	6386.9	6709.9	6907.2	6970.0	7162.9	6956.6	6593.2	6108.8	6351.0	6839.9
67.5°	5745.5	5817.3	6108.8	6494.6	6229.9	6274.8	6256.9	5732.1	5687.2	6212.0	6530.5
70°	5072.8	5122.1	5440.6	5893.6	5261.1	5050.3	5090.7	4700.5	4884.4	5781.4	5907.0
72.5°	4193.7	4225.1	4588.4	4987.5	4220.6	3843.8	3938.0	3619.6	3879.7	5059.3	4983.1
75°	3166.6	3224.9	3507.4	3978.4	3108.2	2866.0	2960.2	2830.2	3072.4	4166.8	3866.2
77.5°	2251.6	2206.7	2556.6	3112.7	2336.8	2193.3	2202.2	2224.7	2484.8	3511.9	2776.3
80°	1533.9	1547.4	1861.4	2283.0	1834.4	1812.0	1789.6	1969.0	2085.6	2780.8	2018.3
82.5°	910.5	910.5	1255.9	1623.6	1448.7	1632.6	1529.5	1690.9	1632.6	2045.3	1323.1
85°	426.1	426.1	645.9	1170.6	1121.3	1345.6	1143.7	1278.3	1206.5	1426.3	596.5
87.5°	71.8	62.8	130.1	574.1	462.0	524.8	206.3	681.8	758.0	995.7	148.0
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°	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3
2.5°	3332.5	3301.1	3238.3	3157.6	3090.3	3005.1	2978.2	2919.9	2839.1	2830.2	2794.3
5°	3139.6	3032.0	2897.4	2731.5	2619.4	2502.7	2404.1	2345.8	2278.5	2269.5	2251.6
7.5°	2928.8	2794.3	2570.0	2372.7	2179.8	1995.9	1906.2	1794.1	1717.8	1659.5	1632.6
10°	2731.5	2605.9	2327.8	2058.7	1888.3	1767.2	1659.5	1542.9	1448.7	1377.0	1350.0
12.5°	2601.4	2453.4	2152.9	1897.2	1771.7	1632.6	1511.5	1385.9	1264.8	1170.6	1121.3
15°	2543.1	2404.1	2099.1	1816.5	1632.6	1439.8	1300.7	1175.1	1027.1	959.8	937.4
17.5°	2682.2	2475.8	2081.1	1722.3	1462.2	1242.4	1072.0	937.4	829.8	762.5	735.6
20°	2861.6	2605.9	2112.5	1610.2	1300.7	1054.0	865.6	722.1	650.4	601.0	596.5
22.5°	3090.3	2798.8	2161.9	1529.5	1121.3	847.7	677.3	592.0	542.7	538.2	529.3
25°	3498.5	3148.6	2242.6	1421.8	977.8	699.7	578.6	529.3	506.8	493.4	502.3
27.5°	3848.3	3377.4	2300.9	1354.5	919.5	659.3	560.7	506.8	484.4	479.9	484.4
30°	4054.6	3588.2	2283.0	1228.9	802.9	627.9	596.5	578.6	533.7	497.9	497.9
32.5°	4243.0	3722.7	2278.5	1116.8	686.2	524.8	497.9	484.4	511.3	529.3	515.8
35°	4503.1	3933.5	2265.0	1054.0	636.9	484.4	439.5	403.7	385.7	376.8	390.2
37.5°	4781.2	4077.0	2229.1	1045.1	610.0	462.0	426.1	390.2	372.3	363.3	358.8
40°	5086.2	4229.5	2188.8	1000.2	596.5	448.5	412.6	381.2	358.8	345.4	340.9
42.5°	5283.6	4350.6	2148.4	977.8	569.6	439.5	399.2	372.3	349.8	331.9	331.9
45°	5395.7	4494.2	2108.0	955.3	538.2	444.0	399.2	363.3	336.4	327.4	318.4
47.5°	5445.0	4601.8	2094.6	919.5	511.3	426.1	390.2	354.3	327.4	309.5	305.0
50°	5575.1	4830.6	2143.9	892.6	479.9	408.2	412.6	349.8	322.9	300.5	296.0
52.5°	5651.4	5014.5	2251.6	852.2	457.5	385.7	403.7	340.9	309.5	287.1	287.1
55°	5929.4	5319.5	2368.2	820.8	430.6	354.3	372.3	322.9	287.1	273.6	273.6
57.5°	6283.8	5642.4	2466.9	807.3	412.6	331.9	331.9	314.0	273.6	255.7	251.2
60°	6530.5	5907.0	2525.2	798.4	394.7	309.5	296.0	314.0	260.1	242.2	237.7
62.5°	6557.4	5754.5	2466.9	793.9	390.2	287.1	269.1	300.5	246.7	228.7	219.8
65°	6386.9	5445.0	2305.4	775.9	385.7	264.6	251.2	260.1	228.7	215.3	206.3
67.5°	6046.1	4942.7	2072.2	767.0	381.2	246.7	228.7	224.3	210.8	197.3	188.4
70°	5252.2	4287.9	1798.6	726.6	372.3	233.2	206.3	201.8	188.4	179.4	174.9
72.5°	4409.0	3507.4	1484.6	672.8	354.3	210.8	188.4	179.4	174.9	161.5	157.0
75°	3377.4	2700.1	1188.6	596.5	309.5	188.4	166.0	157.0	152.5	143.5	139.0
77.5°	2372.7	2009.4	879.1	484.4	260.1	170.4	148.0	139.0	134.6	121.1	121.1
80°	1610.2	1408.4	596.5	336.4	201.8	139.0	130.1	121.1	112.1	103.2	103.2
82.5°	1000.2	986.7	430.6	219.8	148.0	112.1	103.2	103.2	89.7	80.7	80.7
85°	457.5	605.5	300.5	152.5	112.1	85.2	85.2	80.7	71.8	58.3	58.3
87.5°	143.5	201.8	157.0	67.3	62.8	49.3	49.3	44.9	44.9	35.9	35.9
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°	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3
2.5°	2830.2	2825.7	2825.7	2807.7	2852.6	2852.6	2879.5	2857.1	2870.5	2875.0	2910.9
5°	2247.1	2283.0	2309.9	2363.7	2395.1	2408.6	2408.6	2444.4	2431.0	2457.9	2511.7
7.5°	1646.1	1690.9	1771.7	1838.9	1892.8	1910.7	1906.2	1915.2	1928.6	1897.2	1906.2
10°	1332.1	1300.7	1327.6	1390.4	1439.8	1498.1	1453.2	1448.7	1462.2	1448.7	1475.6
12.5°	1112.3	1076.4	1054.0	1054.0	1089.9	1116.8	1103.4	1125.8	1175.1	1188.6	1220.0
15°	901.5	870.1	852.2	829.8	865.6	874.6	888.1	919.5	955.3	973.3	1009.2
17.5°	722.1	722.1	722.1	704.2	717.6	731.1	735.6	775.9	780.4	798.4	811.8
20°	592.0	605.5	627.9	636.9	650.4	650.4	641.4	663.8	645.9	659.3	668.3
22.5°	533.7	551.7	560.7	565.1	583.1	587.6	565.1	569.6	574.1	560.7	565.1
25°	502.3	511.3	502.3	506.8	511.3	502.3	506.8	515.8	511.3	520.3	515.8
27.5°	488.9	479.9	475.4	470.9	470.9	462.0	466.5	466.5	475.4	479.9	479.9
30°	488.9	475.4	457.5	444.0	444.0	430.6	439.5	448.5	453.0	462.0	462.0
32.5°	502.3	475.4	444.0	430.6	417.1	408.2	417.1	430.6	448.5	453.0	457.5
35°	399.2	412.6	408.2	390.2	385.7	385.7	381.2	381.2	367.8	367.8	363.3
37.5°	358.8	354.3	363.3	367.8	372.3	358.8	358.8	340.9	336.4	340.9	340.9
40°	336.4	336.4	336.4	349.8	354.3	345.4	331.9	322.9	322.9	322.9	327.4
42.5°	327.4	318.4	314.0	322.9	336.4	327.4	314.0	309.5	309.5	314.0	314.0
45°	314.0	309.5	305.0	300.5	318.4	305.0	300.5	296.0	296.0	296.0	300.5
47.5°	300.5	296.0	287.1	287.1	291.5	287.1	282.6	282.6	282.6	291.5	291.5
50°	291.5	287.1	278.1	278.1	278.1	278.1	273.6	273.6	273.6	278.1	282.6
52.5°	278.1	273.6	269.1	264.6	264.6	264.6	264.6	264.6	264.6	269.1	273.6
55°	264.6	260.1	255.7	255.7	260.1	260.1	255.7	260.1	255.7	260.1	264.6
57.5°	251.2	246.7	242.2	246.7	251.2	246.7	246.7	246.7	246.7	246.7	251.2
60°	233.2	233.2	233.2	233.2	242.2	242.2	242.2	242.2	233.2	237.7	242.2
62.5°	224.3	219.8	219.8	224.3	228.7	228.7	233.2	228.7	224.3	228.7	228.7
65°	206.3	206.3	206.3	210.8	210.8	215.3	215.3	215.3	210.8	215.3	215.3
67.5°	192.9	192.9	192.9	192.9	201.8	201.8	201.8	201.8	197.3	197.3	201.8
70°	170.4	174.9	170.4	179.4	188.4	183.9	188.4	188.4	183.9	179.4	188.4
72.5°	157.0	157.0	157.0	157.0	170.4	170.4	170.4	174.9	170.4	166.0	170.4
75°	139.0	139.0	139.0	143.5	152.5	152.5	152.5	152.5	152.5	148.0	148.0
77.5°	121.1	125.6	121.1	125.6	134.6	130.1	134.6	139.0	134.6	130.1	130.1
80°	103.2	103.2	103.2	107.6	112.1	112.1	112.1	116.6	112.1	107.6	107.6
82.5°	80.7	80.7	85.2	85.2	89.7	89.7	89.7	94.2	89.7	85.2	85.2
85°	62.8	62.8	62.8	67.3	67.3	71.8	71.8	76.2	76.2	71.8	71.8
87.5°	40.4	35.9	40.4	40.4	44.9	44.9	40.4	35.9	40.4	35.9	31.4
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: P598879  
 CATALOG NUMBER: IFLD-S-SA2C-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3	3229.3
2.5°	2946.8	3027.5	3085.8	3126.2	3184.5	3296.6	3341.5	3422.2	3444.6	3458.1
5°	2534.1	2619.4	2744.9	2834.6	2937.8	3148.6	3310.1	3431.2	3485.0	3534.3
7.5°	1986.9	2099.1	2229.1	2345.8	2516.2	2776.3	2987.1	3238.3	3332.5	3381.8
10°	1551.9	1655.0	1798.6	1942.1	2179.8	2399.6	2700.1	2928.8	3058.9	3094.8
12.5°	1309.7	1430.8	1601.2	1776.1	1924.2	2175.3	2480.3	2812.2	2933.3	2955.7
15°	1112.3	1278.3	1453.2	1632.6	1803.1	2022.8	2350.2	2753.9	2933.3	2955.7
17.5°	919.5	1067.5	1273.8	1466.7	1664.0	1964.5	2372.7	2803.3	2982.7	3049.9
20°	731.1	874.6	1036.1	1278.3	1547.4	1865.8	2422.0	2969.2	3206.9	3278.7
22.5°	605.5	668.3	825.3	1058.5	1377.0	1798.6	2471.3	3229.3	3480.5	3507.4
25°	529.3	574.1	672.8	892.6	1242.4	1753.7	2588.0	3529.9	3852.8	3852.8
27.5°	493.4	511.3	578.6	775.9	1148.2	1713.3	2704.6	3861.8	4162.3	4225.1
30°	484.4	529.3	565.1	690.7	1045.1	1601.2	2812.2	4121.9	4431.4	4435.9
32.5°	475.4	466.5	493.4	601.0	919.5	1484.6	2901.9	4386.5	4628.7	4642.2
35°	372.3	390.2	435.1	529.3	825.3	1399.4	2946.8	4530.1	4879.9	4893.4
37.5°	349.8	372.3	408.2	488.9	762.5	1327.6	2960.2	4808.1	5144.5	5171.4
40°	340.9	358.8	385.7	453.0	713.1	1237.9	2987.1	5095.2	5534.7	5498.9
42.5°	322.9	345.4	372.3	435.1	672.8	1170.6	2991.6	5252.2	5741.1	5741.1
45°	318.4	331.9	363.3	435.1	627.9	1112.3	2919.9	5409.2	5978.8	5907.0
47.5°	300.5	327.4	354.3	421.6	574.1	1054.0	2834.6	5489.9	6010.2	5987.7
50°	296.0	322.9	367.8	399.2	542.7	1027.1	2816.7	5691.7	6073.0	6068.5
52.5°	287.1	314.0	381.2	381.2	502.3	991.2	2901.9	5781.4	6086.4	6122.3
55°	273.6	314.0	354.3	349.8	466.5	946.4	2996.1	6014.7	6324.1	6315.2
57.5°	264.6	305.0	336.4	318.4	426.1	915.0	3135.2	6238.9	6611.2	6548.4
60°	251.2	305.0	300.5	296.0	394.7	888.1	3251.8	6283.8	6674.0	6714.3
62.5°	242.2	318.4	264.6	273.6	367.8	874.6	3202.4	5947.4	6588.8	6624.6
65°	233.2	273.6	242.2	251.2	358.8	847.7	3009.6	5543.7	6221.0	6378.0
67.5°	215.3	224.3	224.3	233.2	349.8	784.9	2614.9	4817.1	5660.3	5745.5
70°	197.3	201.8	201.8	215.3	340.9	713.1	2157.4	4166.8	4911.3	5072.8
72.5°	179.4	179.4	179.4	197.3	314.0	654.8	1776.1	3202.4	4081.5	4193.7
75°	157.0	157.0	157.0	174.9	282.6	596.5	1399.4	2381.6	3005.1	3166.6
77.5°	139.0	139.0	134.6	157.0	246.7	484.4	1009.2	1682.0	2117.0	2251.6
80°	116.6	112.1	112.1	125.6	192.9	349.8	650.4	1188.6	1475.6	1533.9
82.5°	94.2	89.7	85.2	94.2	139.0	219.8	403.7	829.8	946.4	910.5
85°	89.7	94.2	76.2	71.8	98.7	143.5	255.7	511.3	426.1	426.1
87.5°	35.9	31.4	31.4	26.9	49.3	53.8	112.1	94.2	71.8	71.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)