

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: P598900

Luminaire Tested: **IFLD-L-SA7D-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: P598900  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7D-727-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 2700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

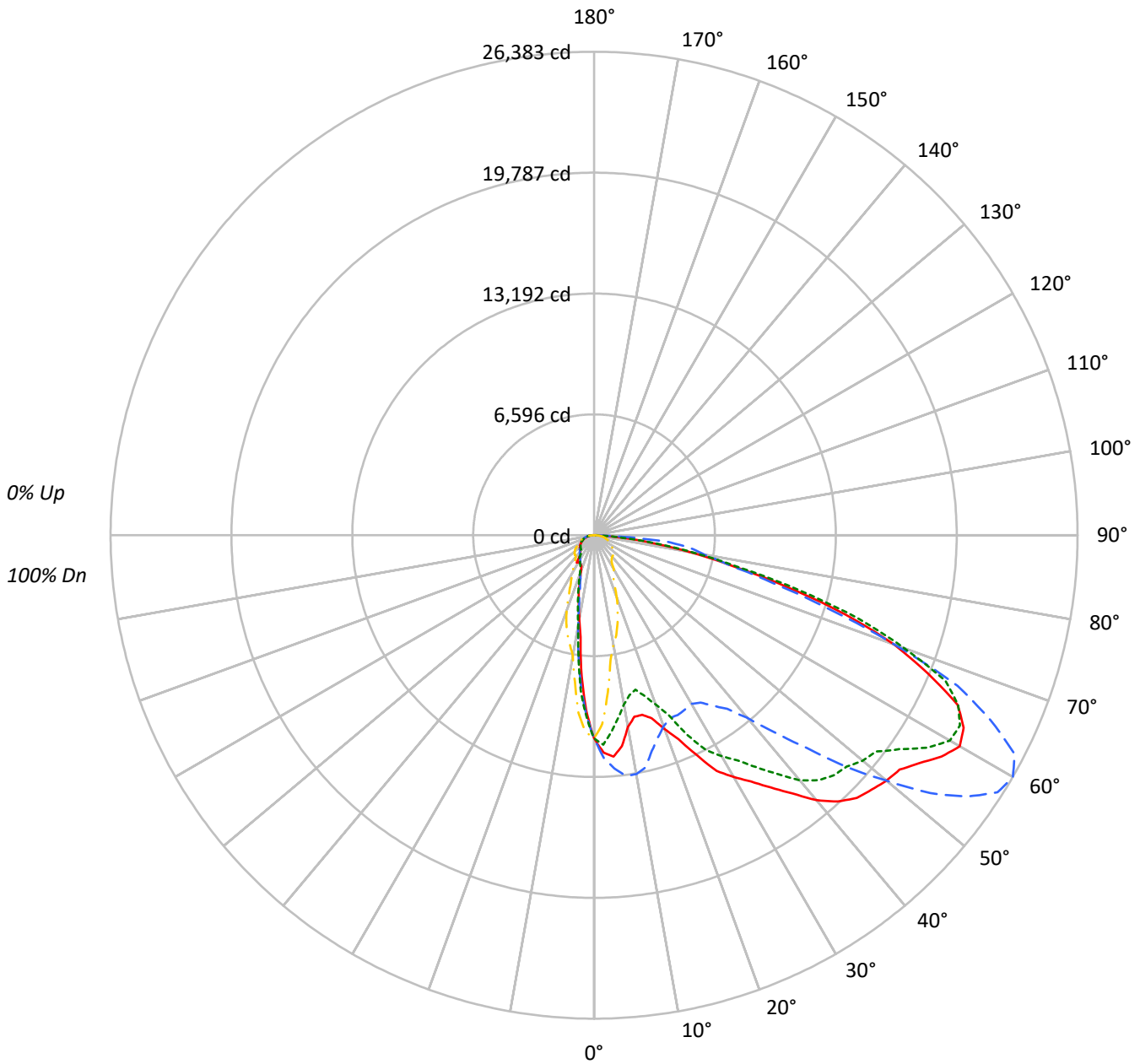
Lumens per Lamp: N/A  
 Luminaire Lumens: 34699.5 lumens  
 Efficiency: N/A  
 Efficacy: 82.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 422.6  
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

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

	0°	90°	180°	270°
0°	59647	59647	59647	59647
5°	65530	58212	41746	45572
10°	58044	51230	25320	27171
15°	56520	48629	17925	18611
20°	64445	56246	11725	12959
25°	78519	71298	10238	10603
30°	94607	86476	10618	9853
35°	110336	101538	8799	8293
40°	132585	122635	8219	7787
45°	154297	140941	8318	7732
50°	174377	160200	8506	7991
55°	203362	190941	8811	8377
60°	248033	241240	8781	8781
65°	278747	279138	9018	9410
70°	273949	283638	9446	9689
75°	225978	241022	9923	10563
80°	163159	171270	10972	11449
85°	90299	96955	12356	15209

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	861.0	2.5
10°-20°	1817.8	5.2
20°-30°	2659.7	7.7
30°-40°	3747.3	10.8
40°-50°	5150.0	14.8
50°-60°	7018.8	20.2
60°-70°	7681.8	22.1
70°-80°	4435.0	12.8
80°-90°	1328.1	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°	5338.5	15.4
0°-40°	9085.8	26.2
0°-60°	21254.6	61.3
0°-90°	34699.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34699.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11083	11083	11083	11083	11083	
5°	12130	10775	7727	8435	12130	1101
15°	10144	8728	3217	3340	10144	2964
25°	13222	12006	1724	1786	13222	6192
35°	16794	15454	1339	1262	16794	10649
45°	20272	18518	1093	1016	20272	15581
55°	21673	20349	939	893	21673	19555
65°	21889	21919	708	739	21889	20950
75°	10867	11591	477	508	10867	11674
85°	1462	1570	200	246	1462	2029
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°	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8
2.5°	11867.8	11821.7	11867.8	12037.2	12083.3	12160.3	12160.3	12052.6	11852.5	11760.1	11606.2
5°	12129.5	12052.6	12437.4	12791.4	13068.5	13037.7	12776.0	12560.5	12160.3	11560.0	10990.5
7.5°	11606.2	11683.1	11960.2	12883.8	13530.3	13653.4	13237.8	12806.8	11944.8	11113.6	10344.0
10°	10621.0	10728.8	11329.1	12283.5	13299.4	13499.5	13237.8	12714.5	11683.1	10651.8	9759.0
12.5°	10143.9	10390.1	10744.2	11898.6	12622.1	13099.3	12976.1	12637.5	11483.0	10267.0	9405.0
15°	10143.9	10205.4	10728.8	11698.5	12114.1	12129.5	12175.7	12237.3	11544.6	10436.3	9281.9
17.5°	10467.1	10636.4	11082.8	11683.1	11760.1	11575.4	11575.4	11837.1	11667.7	10913.5	9728.3
20°	11252.1	11190.6	11775.5	12021.8	11606.2	11144.4	11098.2	11544.6	11806.3	11421.5	10544.1
22.5°	12037.2	12314.2	12791.4	12237.3	11467.6	10851.9	10790.4	11344.5	12221.9	12298.8	11483.0
25°	13222.4	13499.5	13745.8	13068.5	11452.2	10775.0	10821.1	11252.1	12729.8	13545.7	13053.1
27.5°	14500.0	14669.3	15023.4	13976.7	11821.7	10682.6	10728.8	11375.3	13207.0	14361.5	14284.5
30°	15223.5	15408.2	15331.2	14146.0	12068.0	10744.2	10621.0	11544.6	12945.3	14361.5	15084.9
32.5°	15931.5	15823.8	15777.6	14423.1	12375.8	11129.0	10821.1	11898.6	13099.3	14592.4	16116.3
35°	16793.5	16639.6	16516.5	14961.8	12883.8	11498.4	11359.9	12360.4	13437.9	15069.6	16947.5
37.5°	17747.9	17747.9	17147.6	15362.0	13484.1	12098.7	11944.8	13022.3	13976.7	15362.0	18086.5
40°	18871.6	18917.8	17855.6	15900.8	14161.4	13053.1	13006.9	13884.3	14500.0	15793.0	19179.4
42.5°	19702.8	19733.6	18471.4	16100.9	14946.4	14376.9	14577.0	15269.7	15100.3	16177.8	19256.4
45°	20272.3	20118.4	18902.4	16670.4	15808.4	16362.5	16424.1	16624.2	15885.4	16408.7	19564.2
47.5°	20549.4	20518.6	19087.1	17332.3	17624.8	18379.0	18733.0	18456.0	16608.8	16162.4	19564.2
50°	20826.5	20564.8	19256.4	18240.5	19394.9	20918.8	20841.9	20333.9	17609.4	16470.3	19271.8
52.5°	21011.2	20780.3	19595.0	19056.3	21088.1	22812.1	23120.0	22181.0	18779.2	17039.8	19410.3
55°	21673.1	21488.3	20611.0	20164.6	23043.0	24813.2	24859.4	23551.0	20010.6	17978.8	20318.5
57.5°	22473.5	22581.2	22011.7	21734.6	24536.1	26275.5	26106.2	24566.9	21057.4	19117.9	21365.2
60°	23043.0	23212.3	23073.8	23104.6	25275.0	26768.1	26383.3	25198.0	21827.0	19979.9	22642.8
62.5°	22735.2	23073.8	23643.3	23520.2	25305.8	26414.0	25875.3	24366.8	21919.3	21103.5	23612.6
65°	21888.6	21919.3	23027.6	23704.9	23920.4	24582.3	23874.2	22627.4	20965.0	21796.2	23474.0
67.5°	19718.2	19964.5	20965.0	22288.8	21380.6	21534.5	21473.0	19672.0	19518.1	21319.0	22411.9
70°	17409.3	17578.6	18671.5	20226.1	18055.8	17332.3	17470.8	16131.7	16762.8	19841.3	20272.3
72.5°	14392.3	14500.0	15746.8	17116.8	14484.6	13191.6	13514.9	12422.0	13314.8	17363.1	17101.4
75°	10867.3	11067.4	12037.2	13653.4	10667.2	9836.0	10159.2	9712.9	10544.1	14299.9	13268.6
77.5°	7727.2	7573.3	8773.9	10682.6	8019.6	7527.1	7557.9	7634.8	8527.6	12052.6	9528.1
80°	5264.3	5310.5	6388.0	7834.9	6295.7	6218.7	6141.7	6757.4	7157.7	9543.5	6926.8
82.5°	3124.7	3124.7	4310.0	5572.2	4971.9	5603.0	5248.9	5803.1	5603.0	7019.1	4540.9
85°	1462.3	1462.3	2216.6	4017.5	3848.2	4617.8	3925.2	4386.9	4140.7	4894.9	2047.2
87.5°	246.3	215.5	446.4	1970.3	1585.5	1801.0	708.1	2339.7	2601.4	3417.2	508.0
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°	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8
2.5°	11436.9	11329.1	11113.6	10836.5	10605.6	10313.2	10220.8	10020.7	9743.6	9712.9	9589.7
5°	10775.0	10405.5	9943.7	9374.2	8989.4	8589.2	8250.5	8050.4	7819.5	7788.8	7727.2
7.5°	10051.5	9589.7	8820.1	8142.8	7480.9	6849.8	6541.9	6157.1	5895.4	5695.3	5603.0
10°	9374.2	8943.2	7988.9	7065.3	6480.4	6064.8	5695.3	5295.1	4971.9	4725.6	4633.2
12.5°	8927.8	8419.9	7388.5	6511.2	6080.2	5603.0	5187.4	4756.4	4340.8	4017.5	3848.2
15°	8727.7	8250.5	7203.8	6234.1	5603.0	4941.1	4463.9	4032.9	3525.0	3294.1	3217.1
17.5°	9204.9	8496.8	7142.3	5910.8	5018.1	4263.8	3678.9	3217.1	2847.7	2616.8	2524.4
20°	9820.6	8943.2	7250.0	5526.0	4463.9	3617.3	2970.8	2478.2	2232.0	2062.6	2047.2
22.5°	10605.6	9605.1	7419.3	5248.9	3848.2	2909.2	2324.3	2031.8	1862.5	1847.1	1816.4
25°	12006.4	10805.7	7696.4	4879.5	3355.6	2401.3	1985.7	1816.4	1739.4	1693.2	1724.0
27.5°	13207.0	11590.8	7896.5	4648.6	3155.5	2262.7	1924.1	1739.4	1662.4	1647.0	1662.4
30°	13915.1	12314.2	7834.9	4217.6	2755.3	2155.0	2047.2	1985.7	1831.7	1708.6	1708.6
32.5°	14561.6	12776.0	7819.5	3832.8	2355.1	1801.0	1708.6	1662.4	1754.8	1816.4	1770.2
35°	15454.4	13499.5	7773.4	3617.3	2185.8	1662.4	1508.5	1385.4	1323.8	1293.0	1339.2
37.5°	16408.7	13992.1	7650.2	3586.5	2093.4	1585.5	1462.3	1339.2	1277.6	1246.8	1231.4
40°	17455.4	14515.4	7511.7	3432.6	2047.2	1539.3	1416.1	1308.4	1231.4	1185.2	1169.9
42.5°	18132.7	14931.0	7373.2	3355.6	1954.9	1508.5	1370.0	1277.6	1200.6	1139.1	1139.1
45°	18517.5	15423.6	7234.6	3278.7	1847.1	1523.9	1370.0	1246.8	1154.5	1123.7	1092.9
47.5°	18686.9	15793.0	7188.4	3155.5	1754.8	1462.3	1339.2	1216.0	1123.7	1062.1	1046.7
50°	19133.3	16578.0	7357.8	3063.2	1647.0	1400.7	1416.1	1200.6	1108.3	1031.3	1015.9
52.5°	19394.9	17209.2	7727.2	2924.6	1570.1	1323.8	1385.4	1169.9	1062.1	985.1	985.1
55°	20349.3	18255.9	8127.4	2816.9	1477.7	1216.0	1277.6	1108.3	985.1	939.0	939.0
57.5°	21565.3	19364.1	8466.0	2770.7	1416.1	1139.1	1139.1	1077.5	939.0	877.4	862.0
60°	22411.9	20272.3	8666.1	2739.9	1354.6	1062.1	1015.9	1077.5	892.8	831.2	815.8
62.5°	22504.3	19749.0	8466.0	2724.5	1339.2	985.1	923.6	1031.3	846.6	785.0	754.2
65°	21919.3	18686.9	7911.9	2663.0	1323.8	908.2	862.0	892.8	785.0	738.9	708.1
67.5°	20749.5	16962.9	7111.5	2632.2	1308.4	846.6	785.0	769.6	723.5	677.3	646.5
70°	18025.0	14715.5	6172.5	2493.6	1277.6	800.4	708.1	692.7	646.5	615.7	600.3
72.5°	15131.1	12037.2	5095.0	2308.9	1216.0	723.5	646.5	615.7	600.3	554.1	538.7
75°	11590.8	9266.5	4079.1	2047.2	1062.1	646.5	569.5	538.7	523.4	492.6	477.2
77.5°	8142.8	6896.0	3017.0	1662.4	892.8	584.9	508.0	477.2	461.8	415.6	415.6
80°	5526.0	4833.3	2047.2	1154.5	692.7	477.2	446.4	415.6	384.8	354.0	354.0
82.5°	3432.6	3386.4	1477.7	754.2	508.0	384.8	354.0	354.0	307.9	277.1	277.1
85°	1570.1	2078.0	1031.3	523.4	384.8	292.5	292.5	277.1	246.3	200.1	200.1
87.5°	492.6	692.7	538.7	230.9	215.5	169.3	169.3	153.9	153.9	123.1	123.1
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°	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8
2.5°	9712.9	9697.5	9697.5	9635.9	9789.8	9789.8	9882.2	9805.2	9851.4	9866.8	9989.9
5°	7711.8	7834.9	7927.3	8112.0	8219.8	8265.9	8265.9	8389.1	8342.9	8435.3	8620.0
7.5°	5649.2	5803.1	6080.2	6311.0	6495.8	6557.3	6541.9	6572.7	6618.9	6511.2	6541.9
10°	4571.7	4463.9	4556.3	4771.8	4941.1	5141.2	4987.3	4971.9	5018.1	4971.9	5064.2
12.5°	3817.4	3694.3	3617.3	3617.3	3740.5	3832.8	3786.6	3863.6	4032.9	4079.1	4186.8
15°	3094.0	2986.2	2924.6	2847.7	2970.8	3001.6	3047.8	3155.5	3278.7	3340.2	3463.4
17.5°	2478.2	2478.2	2478.2	2416.7	2462.8	2509.0	2524.4	2663.0	2678.3	2739.9	2786.1
20°	2031.8	2078.0	2155.0	2185.8	2232.0	2232.0	2201.2	2278.1	2216.6	2262.7	2293.5
22.5°	1831.7	1893.3	1924.1	1939.5	2001.1	2016.5	1939.5	1954.9	1970.3	1924.1	1939.5
25°	1724.0	1754.8	1724.0	1739.4	1754.8	1724.0	1739.4	1770.2	1754.8	1785.6	1770.2
27.5°	1677.8	1647.0	1631.6	1616.2	1616.2	1585.5	1600.9	1600.9	1631.6	1647.0	1647.0
30°	1677.8	1631.6	1570.1	1523.9	1523.9	1477.7	1508.5	1539.3	1554.7	1585.5	1585.5
32.5°	1724.0	1631.6	1523.9	1477.7	1431.5	1400.7	1431.5	1477.7	1539.3	1554.7	1570.1
35°	1370.0	1416.1	1400.7	1339.2	1323.8	1323.8	1308.4	1308.4	1262.2	1262.2	1246.8
37.5°	1231.4	1216.0	1246.8	1262.2	1277.6	1231.4	1231.4	1169.9	1154.5	1169.9	1169.9
40°	1154.5	1154.5	1154.5	1200.6	1216.0	1185.2	1139.1	1108.3	1108.3	1108.3	1123.7
42.5°	1123.7	1092.9	1077.5	1108.3	1154.5	1123.7	1077.5	1062.1	1062.1	1077.5	1077.5
45°	1077.5	1062.1	1046.7	1031.3	1092.9	1046.7	1031.3	1015.9	1015.9	1015.9	1031.3
47.5°	1031.3	1015.9	985.1	985.1	1000.5	985.1	969.7	969.7	969.7	1000.5	1000.5
50°	1000.5	985.1	954.4	954.4	954.4	954.4	939.0	939.0	939.0	954.4	969.7
52.5°	954.4	939.0	923.6	908.2	908.2	908.2	908.2	908.2	908.2	923.6	939.0
55°	908.2	892.8	877.4	877.4	892.8	892.8	877.4	892.8	877.4	892.8	908.2
57.5°	862.0	846.6	831.2	846.6	862.0	846.6	846.6	846.6	846.6	846.6	862.0
60°	800.4	800.4	800.4	800.4	831.2	831.2	831.2	831.2	800.4	815.8	831.2
62.5°	769.6	754.2	754.2	769.6	785.0	785.0	800.4	785.0	769.6	785.0	785.0
65°	708.1	708.1	708.1	723.5	723.5	738.9	738.9	738.9	723.5	738.9	738.9
67.5°	661.9	661.9	661.9	661.9	692.7	692.7	692.7	692.7	677.3	677.3	692.7
70°	584.9	600.3	584.9	615.7	646.5	631.1	646.5	646.5	631.1	615.7	646.5
72.5°	538.7	538.7	538.7	538.7	584.9	584.9	584.9	600.3	584.9	569.5	584.9
75°	477.2	477.2	477.2	492.6	523.4	523.4	523.4	523.4	523.4	508.0	508.0
77.5°	415.6	431.0	415.6	431.0	461.8	446.4	461.8	477.2	461.8	446.4	446.4
80°	354.0	354.0	354.0	369.4	384.8	384.8	384.8	400.2	384.8	369.4	369.4
82.5°	277.1	277.1	292.5	292.5	307.9	307.9	307.9	323.2	307.9	292.5	292.5
85°	215.5	215.5	215.5	230.9	230.9	246.3	246.3	261.7	261.7	246.3	246.3
87.5°	138.5	123.1	138.5	138.5	153.9	153.9	138.5	123.1	138.5	123.1	107.7
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: P598900  
 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8	11082.8
2.5°	10113.1	10390.1	10590.2	10728.8	10928.9	11313.7	11467.6	11744.7	11821.7	11867.8
5°	8696.9	8989.4	9420.4	9728.3	10082.3	10805.7	11359.9	11775.5	11960.2	12129.5
7.5°	6819.0	7203.8	7650.2	8050.4	8635.4	9528.1	10251.6	11113.6	11436.9	11606.2
10°	5325.9	5679.9	6172.5	6665.1	7480.9	8235.1	9266.5	10051.5	10497.9	10621.0
12.5°	4494.7	4910.3	5495.2	6095.5	6603.5	7465.5	8512.2	9651.3	10066.9	10143.9
15°	3817.4	4386.9	4987.3	5603.0	6187.9	6942.2	8065.8	9451.2	10066.9	10143.9
17.5°	3155.5	3663.5	4371.6	5033.4	5710.7	6742.0	8142.8	9620.5	10236.2	10467.1
20°	2509.0	3001.6	3555.7	4386.9	5310.5	6403.4	8312.1	10190.0	11005.9	11252.1
22.5°	2078.0	2293.5	2832.3	3632.7	4725.6	6172.5	8481.4	11082.8	11944.8	12037.2
25°	1816.4	1970.3	2308.9	3063.2	4263.8	6018.6	8881.6	12114.1	13222.4	13222.4
27.5°	1693.2	1754.8	1985.7	2663.0	3940.6	5880.0	9281.9	13253.2	14284.5	14500.0
30°	1662.4	1816.4	1939.5	2370.5	3586.5	5495.2	9651.3	14146.0	15208.1	15223.5
32.5°	1631.6	1600.9	1693.2	2062.6	3155.5	5095.0	9959.1	15054.2	15885.4	15931.5
35°	1277.6	1339.2	1493.1	1816.4	2832.3	4802.6	10113.1	15546.7	16747.4	16793.5
37.5°	1200.6	1277.6	1400.7	1677.8	2616.8	4556.3	10159.2	16501.1	17655.5	17747.9
40°	1169.9	1231.4	1323.8	1554.7	2447.5	4248.4	10251.6	17486.2	18994.7	18871.6
42.5°	1108.3	1185.2	1277.6	1493.1	2308.9	4017.5	10267.0	18025.0	19702.8	19702.8
45°	1092.9	1139.1	1246.8	1493.1	2155.0	3817.4	10020.7	18563.7	20518.6	20272.3
47.5°	1031.3	1123.7	1216.0	1446.9	1970.3	3617.3	9728.3	18840.8	20626.4	20549.4
50°	1015.9	1108.3	1262.2	1370.0	1862.5	3525.0	9666.7	19533.5	20841.9	20826.5
52.5°	985.1	1077.5	1308.4	1308.4	1724.0	3401.8	9959.1	19841.3	20888.0	21011.2
55°	939.0	1077.5	1216.0	1200.6	1600.9	3247.9	10282.4	20641.7	21703.8	21673.1
57.5°	908.2	1046.7	1154.5	1092.9	1462.3	3140.1	10759.6	21411.4	22689.0	22473.5
60°	862.0	1046.7	1031.3	1015.9	1354.6	3047.8	11159.8	21565.3	22904.5	23043.0
62.5°	831.2	1092.9	908.2	939.0	1262.2	3001.6	10990.5	20410.9	22612.0	22735.2
65°	800.4	939.0	831.2	862.0	1231.4	2909.2	10328.6	19025.5	21349.8	21888.6
67.5°	738.9	769.6	769.6	800.4	1200.6	2693.7	8974.0	16531.9	19425.7	19718.2
70°	677.3	692.7	692.7	738.9	1169.9	2447.5	7403.9	14299.9	16855.1	17409.3
72.5°	615.7	615.7	615.7	677.3	1077.5	2247.3	6095.5	10990.5	14007.4	14392.3
75°	538.7	538.7	538.7	600.3	969.7	2047.2	4802.6	8173.6	10313.2	10867.3
77.5°	477.2	477.2	461.8	538.7	846.6	1662.4	3463.4	5772.3	7265.4	7727.2
80°	400.2	384.8	384.8	431.0	661.9	1200.6	2232.0	4079.1	5064.2	5264.3
82.5°	323.2	307.9	292.5	323.2	477.2	754.2	1385.4	2847.7	3247.9	3124.7
85°	307.9	323.2	261.7	246.3	338.6	492.6	877.4	1754.8	1462.3	1462.3
87.5°	123.1	107.7	107.7	92.4	169.3	184.7	384.8	323.2	246.3	246.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)