

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: P598986

Luminaire Tested: **IFLD-L-SA7C-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598986  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-740-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 4000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

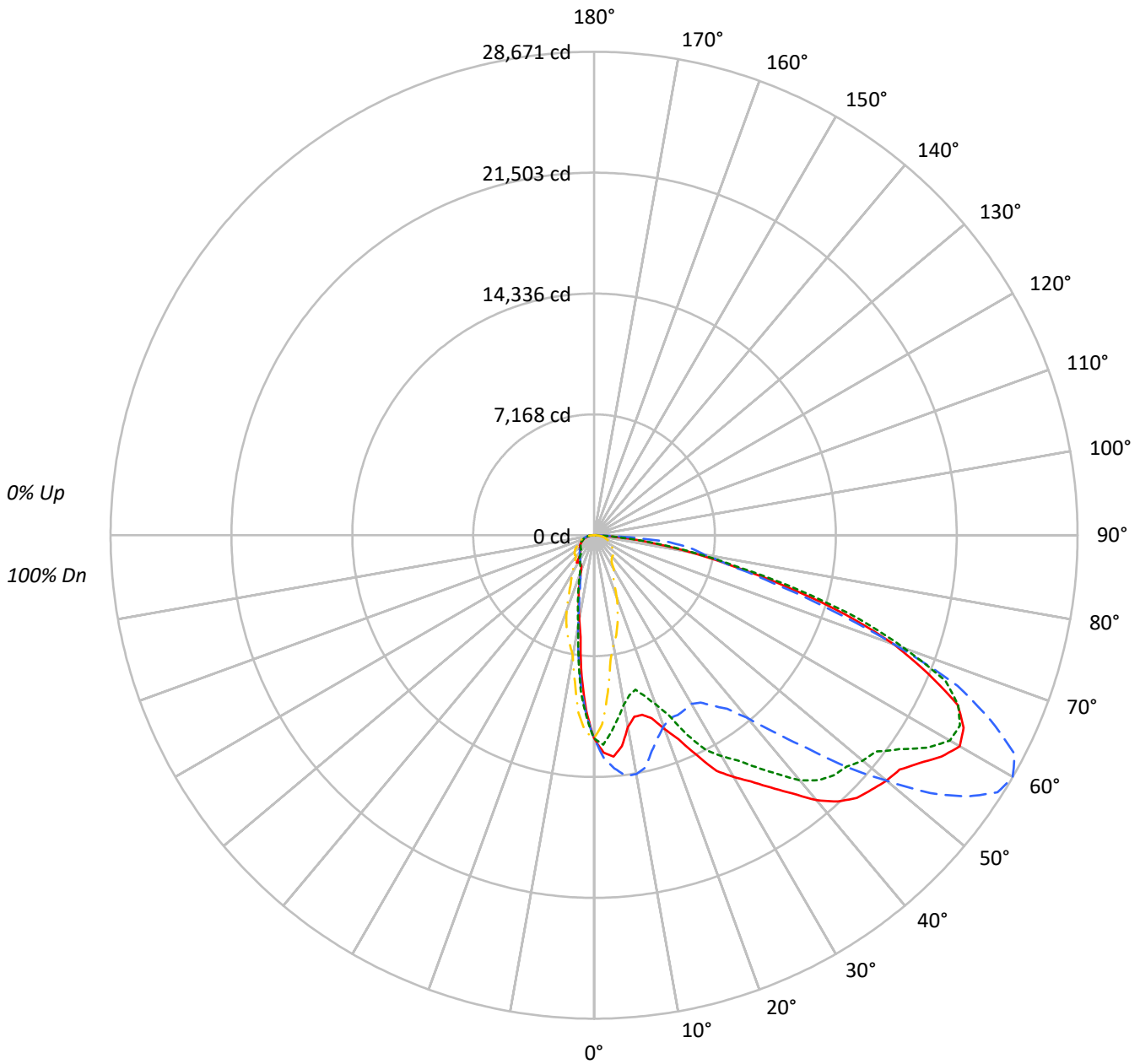
Lumens per Lamp: N/A  
 Luminaire Lumens: 37708.0 lumens  
 Efficiency: N/A  
 Efficacy: 102.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 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	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°	64819	64819	64819	64819
5°	71212	63259	45365	49523
10°	63076	55672	27516	29527
15°	61420	52845	19479	20225
20°	70032	61123	12742	14083
25°	85327	77480	11125	11523
30°	102810	93974	11539	10707
35°	119903	110341	9562	9012
40°	144081	133269	8932	8462
45°	167676	153161	9039	8403
50°	189496	174089	9244	8683
55°	220994	207495	9575	9104
60°	269538	262156	9543	9543
65°	302914	303340	9799	10225
70°	297701	308230	10266	10529
75°	245570	261919	10782	11478
80°	177307	186119	11923	12444
85°	98129	105360	13431	16525

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	935.7	2.5
10°-20°	1975.4	5.2
20°-30°	2890.3	7.7
30°-40°	4072.2	10.8
40°-50°	5596.5	14.8
50°-60°	7627.4	20.2
60°-70°	8347.8	22.1
70°-80°	4819.5	12.8
80°-90°	1443.2	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°	5801.4	15.4
0°-40°	9873.6	26.2
0°-60°	23097.5	61.3
0°-90°	37708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37708.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	12044	12044	12044	12044	12044	
5°	13181	11709	8397	9167	13181	1197
15°	11023	9484	3496	3630	11023	3221
25°	14369	13047	1874	1940	14369	6728
35°	18250	16794	1455	1372	18250	11572
45°	22030	20123	1188	1104	22030	16932
55°	23552	22114	1020	970	23552	21251
65°	23786	23820	770	803	23786	22766
75°	11810	12596	518	552	11810	12686
85°	1589	1706	218	268	1589	2205
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°	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7
2.5°	12896.8	12846.6	12896.8	13080.8	13131.0	13214.6	13214.6	13097.5	12880.1	12779.7	12612.5
5°	13181.2	13097.5	13515.7	13900.5	14201.6	14168.1	13883.7	13649.5	13214.6	12562.3	11943.4
7.5°	12612.5	12696.1	12997.2	14000.8	14703.4	14837.2	14385.6	13917.2	12980.5	12077.2	11240.8
10°	11541.9	11659.0	12311.4	13348.5	14452.5	14669.9	14385.6	13816.8	12696.1	11575.4	10605.2
12.5°	11023.3	11291.0	11675.7	12930.3	13716.5	14235.0	14101.2	13733.2	12478.6	11157.2	10220.4
15°	11023.3	11090.3	11659.0	12712.8	13164.5	13181.2	13231.4	13298.3	12545.5	11341.2	10086.6
17.5°	11374.6	11558.6	12043.7	12696.1	12779.7	12579.0	12579.0	12863.4	12679.4	11859.7	10571.7
20°	12227.7	12160.8	12796.5	13064.1	12612.5	12110.6	12060.4	12545.5	12829.9	12411.7	11458.3
22.5°	13080.8	13381.9	13900.5	13298.3	12461.9	11792.8	11725.9	12328.1	13281.5	13365.2	12478.6
25°	14368.8	14669.9	14937.6	14201.6	12445.2	11709.2	11759.4	12227.7	13833.6	14720.1	14184.8
27.5°	15757.2	15941.2	16325.9	15188.5	12846.6	11608.8	11659.0	12361.5	14352.1	15606.7	15523.0
30°	16543.4	16744.1	16660.5	15372.5	13114.3	11675.7	11541.9	12545.5	14067.7	15606.7	16392.8
32.5°	17312.8	17195.8	17145.6	15673.6	13448.8	12093.9	11759.4	12930.3	14235.0	15857.6	17513.6
35°	18249.6	18082.3	17948.5	16259.0	14000.8	12495.4	12344.8	13432.1	14603.0	16376.1	18416.9
37.5°	19286.7	19286.7	18634.3	16693.9	14653.2	13147.7	12980.5	14151.4	15188.5	16693.9	19654.7
40°	20507.8	20558.0	19403.8	17279.4	15389.2	14184.8	14134.6	15088.1	15757.2	17162.3	20842.3
42.5°	21411.1	21444.5	20072.9	17496.8	16242.3	15623.4	15840.8	16593.6	16409.6	17580.5	20926.0
45°	22030.0	21862.7	20541.2	18115.8	17179.0	17781.2	17848.1	18065.6	17262.7	17831.4	21260.5
47.5°	22331.1	22297.6	20742.0	18835.0	19152.9	19972.5	20357.2	20056.1	18048.9	17563.8	21260.5
50°	22632.2	22347.8	20926.0	19822.0	21076.5	22732.5	22648.9	22096.9	19136.1	17898.3	20942.7
52.5°	22832.9	22582.0	21294.0	20708.5	22916.5	24790.0	25124.5	24104.2	20407.4	18517.2	21093.2
55°	23552.2	23351.4	22398.0	21912.9	25040.9	26964.5	27014.7	25592.9	21745.6	19537.6	22080.2
57.5°	24422.0	24539.1	23920.2	23619.1	26663.5	28553.7	28369.7	26696.9	22883.1	20775.4	23217.6
60°	25040.9	25224.9	25074.4	25107.8	27466.4	29088.9	28670.7	27382.7	23719.4	21712.1	24606.0
62.5°	24706.4	25074.4	25693.3	25559.4	27499.8	28704.2	28118.7	26479.5	23819.8	22933.2	25659.8
65°	23786.3	23819.8	25024.2	25760.2	25994.4	26713.6	25944.2	24589.3	22782.7	23686.0	25509.3
67.5°	21427.8	21695.4	22782.7	24221.3	23234.3	23401.6	23334.7	21377.6	21210.3	23167.4	24355.1
70°	18918.7	19102.7	20290.3	21979.8	19621.2	18835.0	18985.6	17530.3	18216.1	21561.6	22030.0
72.5°	15640.1	15757.2	17112.1	18600.9	15740.5	14335.4	14686.6	13499.0	14469.2	18868.5	18584.1
75°	11809.5	12027.0	13080.8	14837.2	11592.1	10688.8	11040.1	10555.0	11458.3	15539.7	14419.0
77.5°	8397.1	8229.9	9534.6	11608.8	8715.0	8179.7	8213.1	8296.8	9267.0	13097.5	10354.3
80°	5720.8	5770.9	6941.9	8514.2	6841.5	6757.9	6674.2	7343.3	7778.2	10371.0	7527.3
82.5°	3395.7	3395.7	4683.7	6055.3	5402.9	6088.8	5704.0	6306.2	6088.8	7627.7	4934.6
85°	1589.1	1589.1	2408.7	4365.8	4181.8	5018.2	4265.5	4767.3	4499.7	5319.3	2224.7
87.5°	267.6	234.2	485.1	2141.1	1722.9	1957.1	769.5	2542.6	2826.9	3713.5	552.0
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°	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7
2.5°	12428.4	12311.4	12077.2	11776.1	11525.2	11207.4	11107.0	10889.5	10588.4	10555.0	10421.2
5°	11709.2	11307.7	10805.9	10187.0	9768.8	9333.9	8965.9	8748.4	8497.5	8464.1	8397.1
7.5°	10923.0	10421.2	9584.8	8848.8	8129.5	7443.7	7109.1	6691.0	6406.6	6189.1	6088.8
10°	10187.0	9718.6	8681.5	7677.9	7042.2	6590.6	6189.1	5754.2	5402.9	5135.3	5034.9
12.5°	9701.9	9149.9	8029.1	7075.7	6607.3	6088.8	5637.1	5168.8	4717.1	4365.8	4181.8
15°	9484.4	8965.9	7828.4	6774.6	6088.8	5369.5	4850.9	4382.6	3830.6	3579.7	3496.0
17.5°	10003.0	9233.5	7761.5	6423.3	5453.1	4633.5	3997.8	3496.0	3094.6	2843.7	2743.3
20°	10672.1	9718.6	7878.6	6005.1	4850.9	3930.9	3228.4	2693.1	2425.5	2241.5	2224.7
22.5°	11525.2	10437.9	8062.6	5704.0	4181.8	3161.5	2525.8	2208.0	2024.0	2007.3	1973.8
25°	13047.4	11742.6	8363.7	5302.6	3646.6	2609.5	2157.8	1973.8	1890.2	1840.0	1873.5
27.5°	14352.1	12595.7	8581.2	5051.7	3429.1	2458.9	2090.9	1890.2	1806.6	1789.8	1806.6
30°	15121.6	13381.9	8514.2	4583.3	2994.2	2341.8	2224.7	2157.8	1990.6	1856.7	1856.7
32.5°	15824.1	13883.7	8497.5	4165.1	2559.3	1957.1	1856.7	1806.6	1906.9	1973.8	1923.6
35°	16794.3	14669.9	8447.3	3930.9	2375.3	1806.6	1639.3	1505.5	1438.6	1405.1	1455.3
37.5°	17831.4	15205.2	8313.5	3897.5	2274.9	1722.9	1589.1	1455.3	1388.4	1354.9	1338.2
40°	18968.9	15773.9	8163.0	3730.2	2224.7	1672.7	1538.9	1421.8	1338.2	1288.0	1271.3
42.5°	19704.9	16225.6	8012.4	3646.6	2124.4	1639.3	1488.7	1388.4	1304.7	1237.8	1237.8
45°	20123.0	16760.8	7861.9	3562.9	2007.3	1656.0	1488.7	1354.9	1254.6	1221.1	1187.6
47.5°	20307.0	17162.3	7811.7	3429.1	1906.9	1589.1	1455.3	1321.5	1221.1	1154.2	1137.5
50°	20792.1	18015.4	7995.7	3328.8	1789.8	1522.2	1538.9	1304.7	1204.4	1120.7	1104.0
52.5°	21076.5	18701.2	8397.1	3178.2	1706.2	1438.6	1505.5	1271.3	1154.2	1070.6	1070.6
55°	22113.6	19838.7	8832.1	3061.1	1605.8	1321.5	1388.4	1204.4	1070.6	1020.4	1020.4
57.5°	23435.1	21043.1	9200.1	3010.9	1538.9	1237.8	1237.8	1170.9	1020.4	953.5	936.7
60°	24355.1	22030.0	9417.5	2977.5	1472.0	1154.2	1104.0	1170.9	970.2	903.3	886.6
62.5°	24455.4	21461.2	9200.1	2960.7	1455.3	1070.6	1003.6	1120.7	920.0	853.1	819.6
65°	23819.8	20307.0	8597.9	2893.8	1438.6	986.9	936.7	970.2	853.1	802.9	769.5
67.5°	22548.5	18433.6	7728.1	2860.4	1421.8	920.0	853.1	836.4	786.2	736.0	702.6
70°	19587.8	15991.4	6707.7	2709.8	1388.4	869.8	769.5	752.7	702.6	669.1	652.4
72.5°	16443.0	13080.8	5536.8	2509.1	1321.5	786.2	702.6	669.1	652.4	602.2	585.5
75°	12595.7	10069.9	4432.8	2224.7	1154.2	702.6	618.9	585.5	568.7	535.3	518.5
77.5°	8848.8	7493.9	3278.6	1806.6	970.2	635.6	552.0	518.5	501.8	451.6	451.6
80°	6005.1	5252.4	2224.7	1254.6	752.7	518.5	485.1	451.6	418.2	384.7	384.7
82.5°	3730.2	3680.0	1605.8	819.6	552.0	418.2	384.7	384.7	334.5	301.1	301.1
85°	1706.2	2258.2	1120.7	568.7	418.2	317.8	317.8	301.1	267.6	217.5	217.5
87.5°	535.3	752.7	585.5	250.9	234.2	184.0	184.0	167.3	167.3	133.8	133.8
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°	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7
2.5°	10555.0	10538.3	10538.3	10471.3	10638.6	10638.6	10739.0	10655.3	10705.5	10722.3	10856.1
5°	8380.4	8514.2	8614.6	8815.3	8932.4	8982.6	8982.6	9116.4	9066.2	9166.6	9367.3
7.5°	6139.0	6306.2	6607.3	6858.2	7059.0	7125.9	7109.1	7142.6	7192.8	7075.7	7109.1
10°	4968.0	4850.9	4951.3	5185.5	5369.5	5586.9	5419.7	5402.9	5453.1	5402.9	5503.3
12.5°	4148.4	4014.6	3930.9	3930.9	4064.8	4165.1	4114.9	4198.6	4382.6	4432.8	4549.8
15°	3362.2	3245.1	3178.2	3094.6	3228.4	3261.8	3312.0	3429.1	3562.9	3629.8	3763.7
17.5°	2693.1	2693.1	2693.1	2626.2	2676.4	2726.6	2743.3	2893.8	2910.6	2977.5	3027.7
20°	2208.0	2258.2	2341.8	2375.3	2425.5	2425.5	2392.0	2475.7	2408.7	2458.9	2492.4
22.5°	1990.6	2057.5	2090.9	2107.7	2174.6	2191.3	2107.7	2124.4	2141.1	2090.9	2107.7
25°	1873.5	1906.9	1873.5	1890.2	1906.9	1873.5	1890.2	1923.6	1906.9	1940.4	1923.6
27.5°	1823.3	1789.8	1773.1	1756.4	1756.4	1722.9	1739.6	1739.6	1773.1	1789.8	1789.8
30°	1823.3	1773.1	1706.2	1656.0	1656.0	1605.8	1639.3	1672.7	1689.5	1722.9	1722.9
32.5°	1873.5	1773.1	1656.0	1605.8	1555.6	1522.2	1555.6	1605.8	1672.7	1689.5	1706.2
35°	1488.7	1538.9	1522.2	1455.3	1438.6	1438.6	1421.8	1421.8	1371.6	1371.6	1354.9
37.5°	1338.2	1321.5	1354.9	1371.6	1388.4	1338.2	1338.2	1271.3	1254.6	1271.3	1271.3
40°	1254.6	1254.6	1254.6	1304.7	1321.5	1288.0	1237.8	1204.4	1204.4	1204.4	1221.1
42.5°	1221.1	1187.6	1170.9	1204.4	1254.6	1221.1	1170.9	1154.2	1154.2	1170.9	1170.9
45°	1170.9	1154.2	1137.5	1120.7	1187.6	1137.5	1120.7	1104.0	1104.0	1104.0	1120.7
47.5°	1120.7	1104.0	1070.6	1070.6	1087.3	1070.6	1053.8	1053.8	1053.8	1087.3	1087.3
50°	1087.3	1070.6	1037.1	1037.1	1037.1	1037.1	1020.4	1020.4	1020.4	1037.1	1053.8
52.5°	1037.1	1020.4	1003.6	986.9	986.9	986.9	986.9	986.9	986.9	1003.6	1020.4
55°	986.9	970.2	953.5	953.5	970.2	970.2	953.5	970.2	953.5	970.2	986.9
57.5°	936.7	920.0	903.3	920.0	936.7	920.0	920.0	920.0	920.0	920.0	936.7
60°	869.8	869.8	869.8	869.8	903.3	903.3	903.3	903.3	869.8	886.6	903.3
62.5°	836.4	819.6	819.6	836.4	853.1	853.1	869.8	853.1	836.4	853.1	853.1
65°	769.5	769.5	769.5	786.2	786.2	802.9	802.9	802.9	786.2	802.9	802.9
67.5°	719.3	719.3	719.3	719.3	752.7	752.7	752.7	752.7	736.0	736.0	752.7
70°	635.6	652.4	635.6	669.1	702.6	685.8	702.6	702.6	685.8	669.1	702.6
72.5°	585.5	585.5	585.5	585.5	635.6	635.6	635.6	652.4	635.6	618.9	635.6
75°	518.5	518.5	518.5	535.3	568.7	568.7	568.7	568.7	568.7	552.0	552.0
77.5°	451.6	468.4	451.6	468.4	501.8	485.1	501.8	518.5	501.8	485.1	485.1
80°	384.7	384.7	384.7	401.5	418.2	418.2	418.2	434.9	418.2	401.5	401.5
82.5°	301.1	301.1	317.8	317.8	334.5	334.5	334.5	351.3	334.5	317.8	317.8
85°	234.2	234.2	234.2	250.9	250.9	267.6	267.6	284.4	284.4	267.6	267.6
87.5°	150.5	133.8	150.5	150.5	167.3	167.3	150.5	133.8	150.5	133.8	117.1
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: P598986  
 CATALOG NUMBER: IFLD-L-SA7C-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7	12043.7
2.5°	10989.9	11291.0	11508.4	11659.0	11876.4	12294.6	12461.9	12763.0	12846.6	12896.8
5°	9451.0	9768.8	10237.2	10571.7	10956.4	11742.6	12344.8	12796.5	12997.2	13181.2
7.5°	7410.2	7828.4	8313.5	8748.4	9384.1	10354.3	11140.4	12077.2	12428.4	12612.5
10°	5787.7	6172.4	6707.7	7243.0	8129.5	8949.2	10069.9	10923.0	11408.1	11541.9
12.5°	4884.4	5336.0	5971.7	6624.0	7176.0	8112.8	9250.2	10488.1	10939.7	11023.3
15°	4148.4	4767.3	5419.7	6088.8	6724.4	7544.1	8765.2	10270.6	10939.7	11023.3
17.5°	3429.1	3981.1	4750.6	5469.9	6205.9	7326.6	8848.8	10454.6	11123.7	11374.6
20°	2726.6	3261.8	3864.0	4767.3	5770.9	6958.6	9032.8	11073.5	11960.1	12227.7
22.5°	2258.2	2492.4	3077.8	3947.7	5135.3	6707.7	9216.8	12043.7	12980.5	13080.8
25°	1973.8	2141.1	2509.1	3328.8	4633.5	6540.4	9651.7	13164.5	14368.8	14368.8
27.5°	1840.0	1906.9	2157.8	2893.8	4282.2	6389.9	10086.6	14402.3	15523.0	15757.2
30°	1806.6	1973.8	2107.7	2576.0	3897.5	5971.7	10488.1	15372.5	16526.7	16543.4
32.5°	1773.1	1739.6	1840.0	2241.5	3429.1	5536.8	10822.6	16359.4	17262.7	17312.8
35°	1388.4	1455.3	1622.6	1973.8	3077.8	5218.9	10989.9	16894.7	18199.4	18249.6
37.5°	1304.7	1388.4	1522.2	1823.3	2843.7	4951.3	11040.1	17931.8	19186.3	19286.7
40°	1271.3	1338.2	1438.6	1689.5	2659.7	4616.8	11140.4	19002.3	20641.6	20507.8
42.5°	1204.4	1288.0	1388.4	1622.6	2509.1	4365.8	11157.2	19587.8	21411.1	21411.1
45°	1187.6	1237.8	1354.9	1622.6	2341.8	4148.4	10889.5	20173.2	22297.6	22030.0
47.5°	1120.7	1221.1	1321.5	1572.4	2141.1	3930.9	10571.7	20474.3	22414.7	22331.1
50°	1104.0	1204.4	1371.6	1488.7	2024.0	3830.6	10504.8	21227.1	22648.9	22632.2
52.5°	1070.6	1170.9	1421.8	1421.8	1873.5	3696.8	10822.6	21561.6	22699.1	22832.9
55°	1020.4	1170.9	1321.5	1304.7	1739.6	3529.5	11173.9	22431.4	23585.6	23552.2
57.5°	986.9	1137.5	1254.6	1187.6	1589.1	3412.4	11692.4	23267.8	24656.2	24422.0
60°	936.7	1137.5	1120.7	1104.0	1472.0	3312.0	12127.4	23435.1	24890.4	25040.9
62.5°	903.3	1187.6	986.9	1020.4	1371.6	3261.8	11943.4	22180.5	24572.5	24706.4
65°	869.8	1020.4	903.3	936.7	1338.2	3161.5	11224.1	20675.1	23200.9	23786.3
67.5°	802.9	836.4	836.4	869.8	1304.7	2927.3	9752.1	17965.2	21110.0	21427.8
70°	736.0	752.7	752.7	802.9	1271.3	2659.7	8045.9	15539.7	18316.5	18918.7
72.5°	669.1	669.1	669.1	736.0	1170.9	2442.2	6624.0	11943.4	15221.9	15640.1
75°	585.5	585.5	585.5	652.4	1053.8	2224.7	5218.9	8882.2	11207.4	11809.5
77.5°	518.5	518.5	501.8	585.5	920.0	1806.6	3763.7	6272.8	7895.3	8397.1
80°	434.9	418.2	418.2	468.4	719.3	1304.7	2425.5	4432.8	5503.3	5720.8
82.5°	351.3	334.5	317.8	351.3	518.5	819.6	1505.5	3094.6	3529.5	3395.7
85°	334.5	351.3	284.4	267.6	368.0	535.3	953.5	1906.9	1589.1	1589.1
87.5°	133.8	117.1	117.1	100.4	184.0	200.7	418.2	351.3	267.6	267.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)