

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: P598899

Luminaire Tested: **IFLD-L-SA7C-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: P598899  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-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**

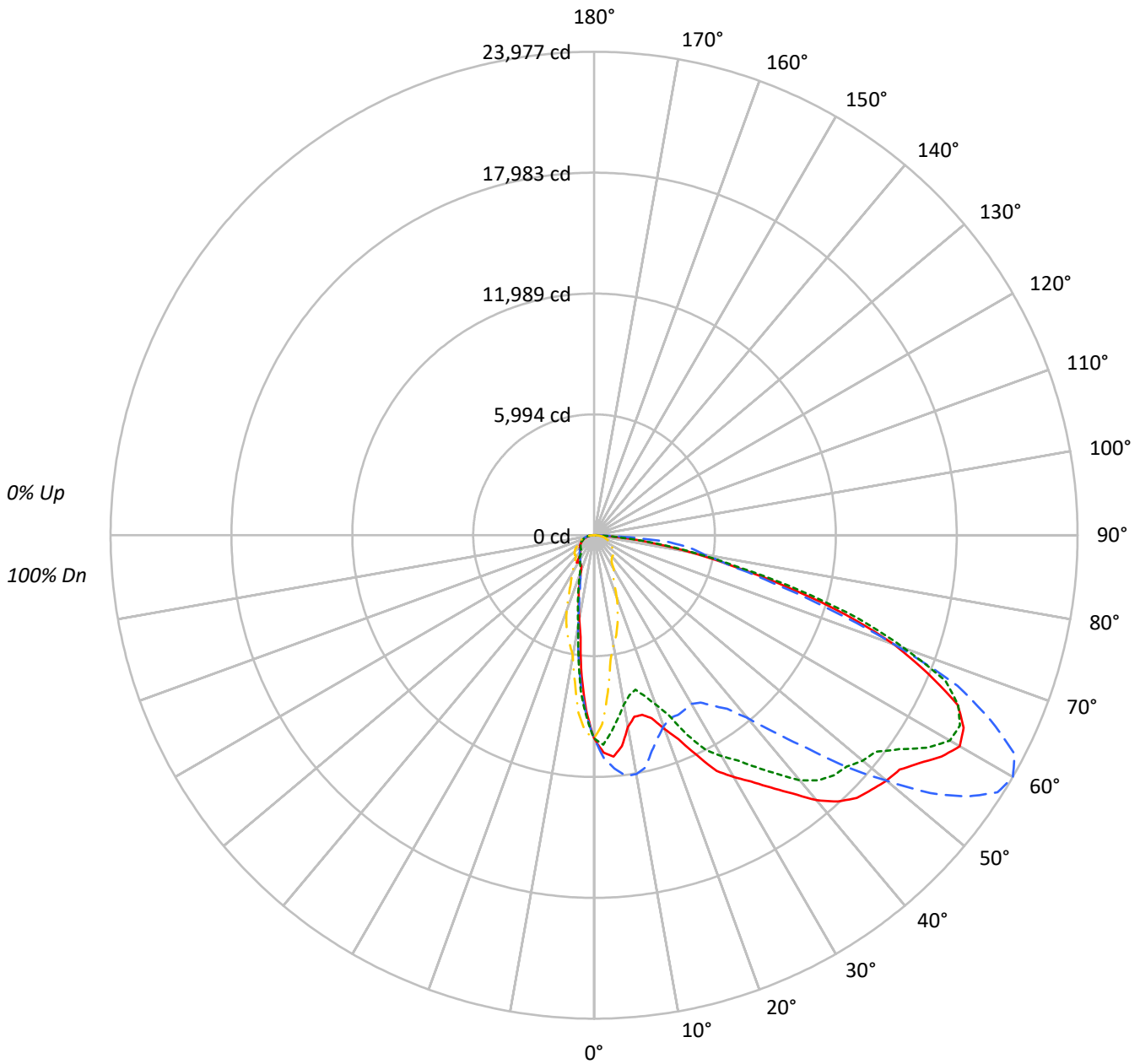
Lumens per Lamp: N/A  
 Luminaire Lumens: 31535.2 lumens  
 Efficiency: N/A  
 Efficacy: 85.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

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	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°	54208	54208	54208	54208
5°	59554	52904	37939	41416
10°	52751	46558	23011	24694
15°	51365	44195	16290	16914
20°	58568	51117	10656	11778
25°	71359	64796	9304	9636
30°	85980	78590	9650	8955
35°	100274	92279	7997	7537
40°	120495	111453	7470	7076
45°	140227	128089	7559	7027
50°	158475	145591	7731	7262
55°	184817	173528	8007	7613
60°	225415	219242	7980	7980
65°	253327	253684	8195	8551
70°	248967	257773	8585	8806
75°	205371	219043	9018	9599
80°	148282	155652	9971	10405
85°	82067	88113	11233	13820

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	782.5	2.5
10°-20°	1652.0	5.2
20°-30°	2417.1	7.7
30°-40°	3405.6	10.8
40°-50°	4680.3	14.8
50°-60°	6378.8	20.2
60°-70°	6981.3	22.1
70°-80°	4030.5	12.8
80°-90°	1207.0	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
<b>0°-30°</b>	<b>4851.7</b>	<b>15.4</b>
<b>0°-40°</b>	<b>8257.3</b>	<b>26.2</b>
<b>0°-60°</b>	<b>19316.4</b>	<b>61.3</b>
<b>0°-90°</b>	<b>31535.2</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>31535.2</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	10072	10072	10072	10072	10072	
5°	11023	9792	7022	7666	11023	1001
15°	9219	7932	2924	3036	9219	2693
25°	12017	10912	1567	1623	12017	5627
35°	15262	14045	1217	1147	15262	9678
45°	18424	16829	993	923	18424	14160
55°	19697	18494	853	811	19697	17772
65°	19892	19920	644	672	19892	19039
75°	9876	10534	434	462	9876	10609
85°	1329	1427	182	224	1329	1844
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°	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2
2.5°	10785.6	10743.6	10785.6	10939.5	10981.5	11051.4	11051.4	10953.5	10771.6	10687.7	10547.8
5°	11023.4	10953.5	11303.2	11625.0	11876.8	11848.8	11611.0	11415.1	11051.4	10505.8	9988.2
7.5°	10547.8	10617.7	10869.5	11708.9	12296.4	12408.3	12030.6	11638.9	10855.6	10100.1	9400.7
10°	9652.5	9750.4	10296.0	11163.3	12086.6	12268.5	12030.6	11555.0	10617.7	9680.5	8869.1
12.5°	9218.8	9442.7	9764.4	10813.6	11471.1	11904.7	11792.8	11485.1	10435.9	9330.7	8547.3
15°	9218.8	9274.8	9750.4	10631.7	11009.4	11023.4	11065.4	11121.3	10491.8	9484.6	8435.4
17.5°	9512.6	9666.5	10072.2	10617.7	10687.7	10519.8	10519.8	10757.6	10603.7	9918.3	8841.1
20°	10226.0	10170.1	10701.7	10925.5	10547.8	10128.1	10086.2	10491.8	10729.7	10379.9	9582.5
22.5°	10939.5	11191.3	11625.0	11121.3	10421.9	9862.3	9806.4	10310.0	11107.4	11177.3	10435.9
25°	12016.6	12268.5	12492.3	11876.8	10407.9	9792.4	9834.3	10226.0	11569.0	12310.4	11862.8
27.5°	13177.7	13331.6	13653.4	12702.1	10743.6	9708.4	9750.4	10338.0	12002.7	13051.8	12981.9
30°	13835.2	14003.1	13933.2	12856.0	10967.5	9764.4	9652.5	10491.8	11764.8	13051.8	13709.3
32.5°	14478.7	14380.8	14338.8	13107.8	11247.2	10114.1	9834.3	10813.6	11904.7	13261.7	14646.6
35°	15262.1	15122.2	15010.3	13597.4	11708.9	10449.9	10324.0	11233.3	12212.5	13695.3	15402.0
37.5°	16129.4	16129.4	15583.9	13961.1	12254.5	10995.4	10855.6	11834.8	12702.1	13961.1	16437.2
40°	17150.7	17192.6	16227.4	14450.8	12870.0	11862.8	11820.8	12618.2	13177.7	14352.8	17430.4
42.5°	17906.1	17934.0	16786.9	14632.6	13583.4	13065.8	13247.7	13877.2	13723.3	14702.6	17500.4
45°	18423.7	18283.8	17178.6	15150.2	14366.8	14870.4	14926.4	15108.2	14436.8	14912.4	17780.2
47.5°	18675.5	18647.5	17346.5	15751.7	16017.5	16703.0	17024.8	16772.9	15094.3	14688.6	17780.2
50°	18927.3	18689.5	17500.4	16577.1	17626.3	19011.2	18941.3	18479.6	16003.5	14968.4	17514.4
52.5°	19095.1	18885.3	17808.1	17318.5	19165.1	20731.9	21011.7	20158.3	17066.7	15486.0	17640.3
55°	19696.7	19528.8	18731.4	18325.7	20941.7	22550.5	22592.4	21403.3	18185.8	16339.3	18465.6
57.5°	20424.1	20522.0	20004.4	19752.6	22298.6	23879.4	23725.5	22326.6	19137.1	17374.5	19416.9
60°	20941.7	21095.6	20969.7	20997.7	22970.1	24327.1	23977.3	22900.2	19836.6	18157.9	20578.0
62.5°	20661.9	20969.7	21487.3	21375.4	22998.1	24005.3	23515.7	22144.8	19920.5	19179.1	21459.3
65°	19892.5	19920.5	20927.7	21543.2	21739.1	22340.6	21697.1	20564.0	19053.2	19808.6	21333.4
67.5°	17920.1	18143.9	19053.2	20256.2	19430.9	19570.8	19514.8	17878.1	17738.2	19374.9	20368.2
70°	15821.7	15975.6	16968.8	18381.7	16409.2	15751.7	15877.6	14660.6	15234.1	18032.0	18423.7
72.5°	13079.8	13177.7	14310.9	15555.9	13163.8	11988.7	12282.4	11289.2	12100.6	15779.7	15541.9
75°	9876.3	10058.2	10939.5	12408.3	9694.5	8939.0	9232.8	8827.1	9582.5	12995.9	12058.6
77.5°	7022.5	6882.6	7973.8	9708.4	7288.3	6840.7	6868.7	6938.6	7750.0	10953.5	8659.3
80°	4784.3	4826.2	5805.5	7120.5	5721.5	5651.6	5581.7	6141.2	6504.9	8673.3	6295.1
82.5°	2839.8	2839.8	3917.0	5064.1	4518.5	5092.0	4770.3	5273.9	5092.0	6379.0	4126.8
85°	1329.0	1329.0	2014.4	3651.2	3497.3	4196.7	3567.2	3986.9	3763.1	4448.5	1860.6
87.5°	223.8	195.8	405.7	1790.6	1440.9	1636.7	643.5	2126.3	2364.2	3105.6	461.6
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°	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2
2.5°	10393.9	10296.0	10100.1	9848.3	9638.5	9372.7	9288.8	9106.9	8855.1	8827.1	8715.2
5°	9792.4	9456.6	9037.0	8519.4	8169.6	7805.9	7498.2	7316.3	7106.5	7078.5	7022.5
7.5°	9134.9	8715.2	8015.8	7400.2	6798.7	6225.2	5945.4	5595.6	5357.8	5176.0	5092.0
10°	8519.4	8127.7	7260.4	6421.0	5889.4	5511.7	5176.0	4812.3	4518.5	4294.7	4210.7
12.5°	8113.7	7652.0	6714.8	5917.4	5525.7	5092.0	4714.3	4322.6	3944.9	3651.2	3497.3
15°	7931.8	7498.2	6546.9	5665.6	5092.0	4490.5	4056.8	3665.1	3203.5	2993.7	2923.7
17.5°	8365.5	7722.0	6490.9	5371.8	4560.5	3875.0	3343.4	2923.7	2588.0	2378.1	2294.2
20°	8925.1	8127.7	6588.9	5022.1	4056.8	3287.4	2699.9	2252.2	2028.4	1874.5	1860.6
22.5°	9638.5	8729.2	6742.8	4770.3	3497.3	2643.9	2112.4	1846.6	1692.7	1678.7	1650.7
25°	10911.5	9820.4	6994.6	4434.5	3049.6	2182.3	1804.6	1650.7	1580.8	1538.8	1566.8
27.5°	12002.7	10533.8	7176.4	4224.7	2867.8	2056.4	1748.6	1580.8	1510.8	1496.8	1510.8
30°	12646.2	11191.3	7120.5	3833.0	2504.1	1958.5	1860.6	1804.6	1664.7	1552.8	1552.8
32.5°	13233.7	11611.0	7106.5	3483.3	2140.3	1636.7	1552.8	1510.8	1594.8	1650.7	1608.7
35°	14045.1	12268.5	7064.5	3287.4	1986.5	1510.8	1370.9	1259.0	1203.1	1175.1	1217.1
37.5°	14912.4	12716.1	6952.6	3259.5	1902.5	1440.9	1329.0	1217.1	1161.1	1133.1	1119.1
40°	15863.7	13191.7	6826.7	3119.6	1860.6	1398.9	1287.0	1189.1	1119.1	1077.2	1063.2
42.5°	16479.2	13569.4	6700.8	3049.6	1776.6	1370.9	1245.0	1161.1	1091.2	1035.2	1035.2
45°	16828.9	14017.1	6574.9	2979.7	1678.7	1384.9	1245.0	1133.1	1049.2	1021.2	993.2
47.5°	16982.8	14352.8	6532.9	2867.8	1594.8	1329.0	1217.1	1105.1	1021.2	965.2	951.3
50°	17388.5	15066.3	6686.8	2783.8	1496.8	1273.0	1287.0	1091.2	1007.2	937.3	923.3
52.5°	17626.3	15639.8	7022.5	2657.9	1426.9	1203.1	1259.0	1063.2	965.2	895.3	895.3
55°	18493.6	16591.1	7386.3	2560.0	1343.0	1105.1	1161.1	1007.2	895.3	853.3	853.3
57.5°	19598.7	17598.3	7694.0	2518.0	1287.0	1035.2	1035.2	979.2	853.3	797.4	783.4
60°	20368.2	18423.7	7875.9	2490.1	1231.0	965.2	923.3	979.2	811.4	755.4	741.4
62.5°	20452.1	17948.0	7694.0	2476.1	1217.1	895.3	839.3	937.3	769.4	713.4	685.5
65°	19920.5	16982.8	7190.4	2420.1	1203.1	825.4	783.4	811.4	713.4	671.5	643.5
67.5°	18857.3	15416.0	6463.0	2392.1	1189.1	769.4	713.4	699.5	657.5	615.5	587.5
70°	16381.3	13373.6	5609.6	2266.2	1161.1	727.4	643.5	629.5	587.5	559.6	545.6
72.5°	13751.3	10939.5	4630.4	2098.4	1105.1	657.5	587.5	559.6	545.6	503.6	489.6
75°	10533.8	8421.4	3707.1	1860.6	965.2	587.5	517.6	489.6	475.6	447.7	433.7
77.5°	7400.2	6267.1	2741.9	1510.8	811.4	531.6	461.6	433.7	419.7	377.7	377.7
80°	5022.1	4392.6	1860.6	1049.2	629.5	433.7	405.7	377.7	349.7	321.7	321.7
82.5°	3119.6	3077.6	1343.0	685.5	461.6	349.7	321.7	321.7	279.8	251.8	251.8
85°	1426.9	1888.5	937.3	475.6	349.7	265.8	265.8	251.8	223.8	181.9	181.9
87.5°	447.7	629.5	489.6	209.8	195.8	153.9	153.9	139.9	139.9	111.9	111.9
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°	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2
2.5°	8827.1	8813.1	8813.1	8757.2	8897.1	8897.1	8981.0	8911.1	8953.0	8967.0	9078.9
5°	7008.5	7120.5	7204.4	7372.3	7470.2	7512.2	7512.2	7624.1	7582.1	7666.0	7833.9
7.5°	5134.0	5273.9	5525.7	5735.5	5903.4	5959.4	5945.4	5973.4	6015.3	5917.4	5945.4
10°	4154.8	4056.8	4140.8	4336.6	4490.5	4672.4	4532.5	4518.5	4560.5	4518.5	4602.4
12.5°	3469.3	3357.4	3287.4	3287.4	3399.4	3483.3	3441.3	3511.3	3665.1	3707.1	3805.0
15°	2811.8	2713.9	2657.9	2588.0	2699.9	2727.9	2769.8	2867.8	2979.7	3035.6	3147.6
17.5°	2252.2	2252.2	2252.2	2196.3	2238.3	2280.2	2294.2	2420.1	2434.1	2490.1	2532.0
20°	1846.6	1888.5	1958.5	1986.5	2028.4	2028.4	2000.4	2070.4	2014.4	2056.4	2084.4
22.5°	1664.7	1720.7	1748.6	1762.6	1818.6	1832.6	1762.6	1776.6	1790.6	1748.6	1762.6
25°	1566.8	1594.8	1566.8	1580.8	1594.8	1566.8	1580.8	1608.7	1594.8	1622.7	1608.7
27.5°	1524.8	1496.8	1482.8	1468.9	1468.9	1440.9	1454.9	1454.9	1482.8	1496.8	1496.8
30°	1524.8	1482.8	1426.9	1384.9	1384.9	1343.0	1370.9	1398.9	1412.9	1440.9	1440.9
32.5°	1566.8	1482.8	1384.9	1343.0	1301.0	1273.0	1301.0	1343.0	1398.9	1412.9	1426.9
35°	1245.0	1287.0	1273.0	1217.1	1203.1	1203.1	1189.1	1189.1	1147.1	1147.1	1133.1
37.5°	1119.1	1105.1	1133.1	1147.1	1161.1	1119.1	1119.1	1063.2	1049.2	1063.2	1063.2
40°	1049.2	1049.2	1049.2	1091.2	1105.1	1077.2	1035.2	1007.2	1007.2	1007.2	1021.2
42.5°	1021.2	993.2	979.2	1007.2	1049.2	1021.2	979.2	965.2	965.2	979.2	979.2
45°	979.2	965.2	951.3	937.3	993.2	951.3	937.3	923.3	923.3	923.3	937.3
47.5°	937.3	923.3	895.3	895.3	909.3	895.3	881.3	881.3	881.3	909.3	909.3
50°	909.3	895.3	867.3	867.3	867.3	867.3	853.3	853.3	853.3	867.3	881.3
52.5°	867.3	853.3	839.3	825.4	825.4	825.4	825.4	825.4	825.4	839.3	853.3
55°	825.4	811.4	797.4	797.4	811.4	811.4	797.4	811.4	797.4	811.4	825.4
57.5°	783.4	769.4	755.4	769.4	783.4	769.4	769.4	769.4	769.4	769.4	783.4
60°	727.4	727.4	727.4	727.4	755.4	755.4	755.4	755.4	727.4	741.4	755.4
62.5°	699.5	685.5	685.5	699.5	713.4	713.4	727.4	713.4	699.5	713.4	713.4
65°	643.5	643.5	643.5	657.5	657.5	671.5	671.5	671.5	657.5	671.5	671.5
67.5°	601.5	601.5	601.5	601.5	629.5	629.5	629.5	629.5	615.5	615.5	629.5
70°	531.6	545.6	531.6	559.6	587.5	573.6	587.5	587.5	573.6	559.6	587.5
72.5°	489.6	489.6	489.6	489.6	531.6	531.6	531.6	545.6	531.6	517.6	531.6
75°	433.7	433.7	433.7	447.7	475.6	475.6	475.6	475.6	475.6	461.6	461.6
77.5°	377.7	391.7	377.7	391.7	419.7	405.7	419.7	433.7	419.7	405.7	405.7
80°	321.7	321.7	321.7	335.7	349.7	349.7	349.7	363.7	349.7	335.7	335.7
82.5°	251.8	251.8	265.8	265.8	279.8	279.8	279.8	293.8	279.8	265.8	265.8
85°	195.8	195.8	195.8	209.8	209.8	223.8	223.8	237.8	237.8	223.8	223.8
87.5°	125.9	111.9	125.9	125.9	139.9	139.9	125.9	111.9	125.9	111.9	97.9
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: P598899  
 CATALOG NUMBER: IFLD-L-SA7C-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2	10072.2
2.5°	9190.8	9442.7	9624.5	9750.4	9932.3	10282.0	10421.9	10673.7	10743.6	10785.6
5°	7903.8	8169.6	8561.3	8841.1	9162.9	9820.4	10324.0	10701.7	10869.5	11023.4
7.5°	6197.2	6546.9	6952.6	7316.3	7847.9	8659.3	9316.8	10100.1	10393.9	10547.8
10°	4840.2	5162.0	5609.6	6057.3	6798.7	7484.2	8421.4	9134.9	9540.6	9652.5
12.5°	4084.8	4462.5	4994.1	5539.7	6001.3	6784.7	7736.0	8771.2	9148.9	9218.8
15°	3469.3	3986.9	4532.5	5092.0	5623.6	6309.1	7330.3	8589.3	9148.9	9218.8
17.5°	2867.8	3329.4	3972.9	4574.4	5190.0	6127.2	7400.2	8743.2	9302.8	9512.6
20°	2280.2	2727.9	3231.5	3986.9	4826.2	5819.5	7554.1	9260.8	10002.2	10226.0
22.5°	1888.5	2084.4	2574.0	3301.4	4294.7	5609.6	7708.0	10072.2	10855.6	10939.5
25°	1650.7	1790.6	2098.4	2783.8	3875.0	5469.7	8071.7	11009.4	12016.6	12016.6
27.5°	1538.8	1594.8	1804.6	2420.1	3581.2	5343.8	8435.4	12044.6	12981.9	13177.7
30°	1510.8	1650.7	1762.6	2154.3	3259.5	4994.1	8771.2	12856.0	13821.2	13835.2
32.5°	1482.8	1454.9	1538.8	1874.5	2867.8	4630.4	9051.0	13681.4	14436.8	14478.7
35°	1161.1	1217.1	1356.9	1650.7	2574.0	4364.6	9190.8	14129.0	15220.2	15262.1
37.5°	1091.2	1161.1	1273.0	1524.8	2378.1	4140.8	9232.8	14996.3	16045.5	16129.4
40°	1063.2	1119.1	1203.1	1412.9	2224.3	3861.0	9316.8	15891.6	17262.6	17150.7
42.5°	1007.2	1077.2	1161.1	1356.9	2098.4	3651.2	9330.7	16381.3	17906.1	17906.1
45°	993.2	1035.2	1133.1	1356.9	1958.5	3469.3	9106.9	16870.9	18647.5	18423.7
47.5°	937.3	1021.2	1105.1	1315.0	1790.6	3287.4	8841.1	17122.7	18745.4	18675.5
50°	923.3	1007.2	1147.1	1245.0	1692.7	3203.5	8785.2	17752.2	18941.3	18927.3
52.5°	895.3	979.2	1189.1	1189.1	1566.8	3091.6	9051.0	18032.0	18983.2	19095.1
55°	853.3	979.2	1105.1	1091.2	1454.9	2951.7	9344.7	18759.4	19724.7	19696.7
57.5°	825.4	951.3	1049.2	993.2	1329.0	2853.8	9778.4	19458.9	20620.0	20424.1
60°	783.4	951.3	937.3	923.3	1231.0	2769.8	10142.1	19598.7	20815.8	20941.7
62.5°	755.4	993.2	825.4	853.3	1147.1	2727.9	9988.2	18549.6	20550.0	20661.9
65°	727.4	853.3	755.4	783.4	1119.1	2643.9	9386.7	17290.5	19402.9	19892.5
67.5°	671.5	699.5	699.5	727.4	1091.2	2448.1	8155.7	15024.3	17654.3	17920.1
70°	615.5	629.5	629.5	671.5	1063.2	2224.3	6728.8	12995.9	15318.1	15821.7
72.5°	559.6	559.6	559.6	615.5	979.2	2042.4	5539.7	9988.2	12730.1	13079.8
75°	489.6	489.6	489.6	545.6	881.3	1860.6	4364.6	7428.2	9372.7	9876.3
77.5°	433.7	433.7	419.7	489.6	769.4	1510.8	3147.6	5245.9	6602.9	7022.5
80°	363.7	349.7	349.7	391.7	601.5	1091.2	2028.4	3707.1	4602.4	4784.3
82.5°	293.8	279.8	265.8	293.8	433.7	685.5	1259.0	2588.0	2951.7	2839.8
85°	279.8	293.8	237.8	223.8	307.8	447.7	797.4	1594.8	1329.0	1329.0
87.5°	111.9	97.9	97.9	83.9	153.9	167.9	349.7	293.8	223.8	223.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)