

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: P598933

Luminaire Tested: **IFLD-L-SA8C-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598933  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8C-730-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

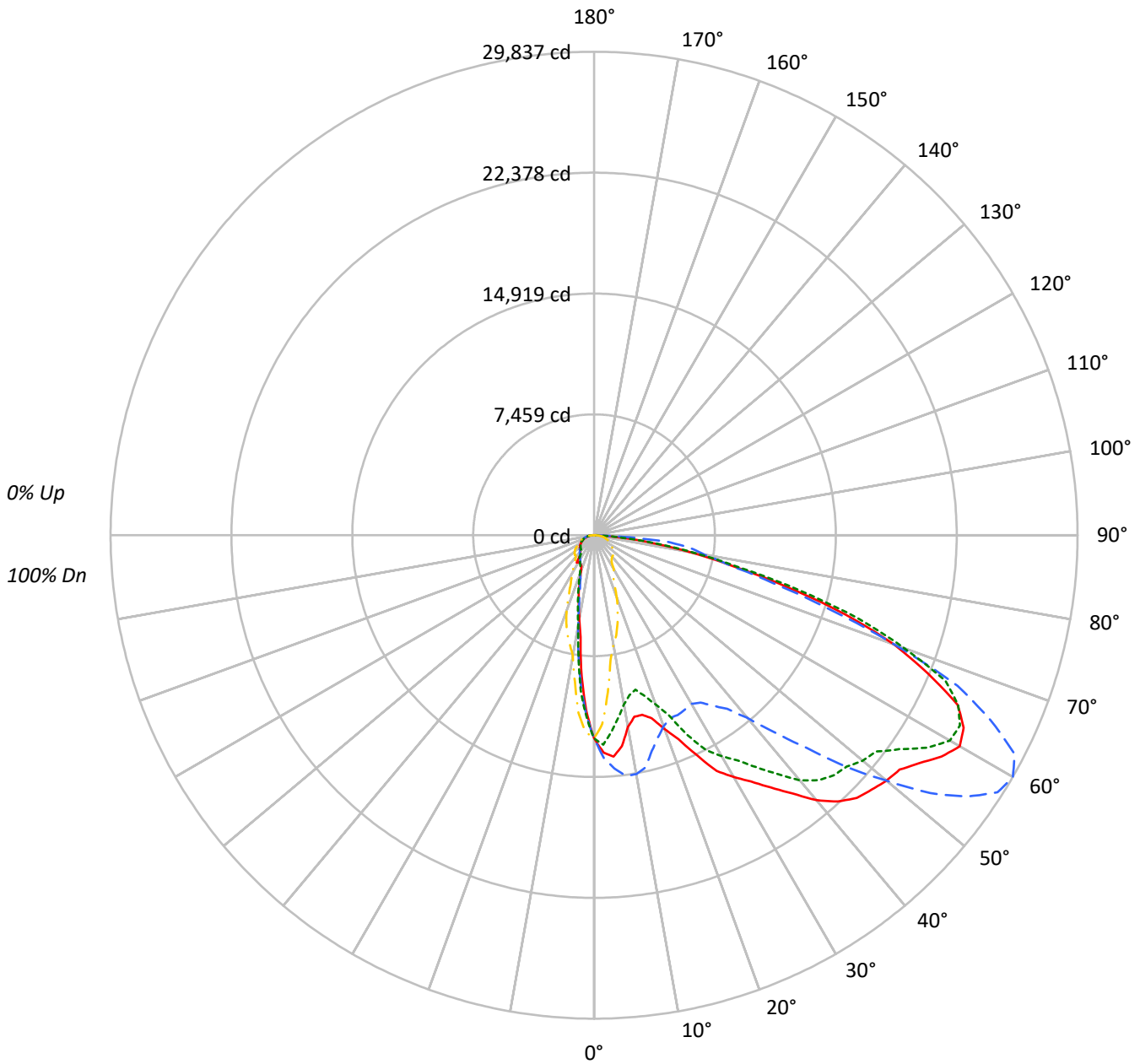
Lumens per Lamp: N/A  
 Luminaire Lumens: 39242.3 lumens  
 Efficiency: N/A  
 Efficacy: 93.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 420.3  
 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
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°	67456	67456	67456	67456
5°	74109	65833	47212	51538
10°	65643	57937	28635	30729
15°	63919	54995	20272	21048
20°	72882	63610	13261	14656
25°	88799	80632	11578	11991
30°	106993	97797	12008	11143
35°	124781	114831	9951	9379
40°	149943	138691	9295	8806
45°	174498	159393	9407	8745
50°	197205	181172	9620	9037
55°	229986	215938	9964	9474
60°	280505	272823	9931	9931
65°	315240	315683	10198	10641
70°	309814	320771	10683	10957
75°	255562	272576	11221	11946
80°	184520	193694	12410	12949
85°	102124	109645	13974	17198

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	973.7	2.5
10°-20°	2055.8	5.2
20°-30°	3007.9	7.7
30°-40°	4237.9	10.8
40°-50°	5824.2	14.8
50°-60°	7937.7	20.2
60°-70°	8687.5	22.1
70°-80°	5015.6	12.8
80°-90°	1502.0	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°	6037.4	15.4
0°-40°	10275.4	26.2
0°-60°	24037.3	61.3
0°-90°	39242.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39242.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	12534	12534	12534	12534	12534	
5°	13718	12186	8739	9540	13718	1246
15°	11472	9870	3638	3778	11472	3352
25°	14954	13578	1950	2019	14954	7002
35°	18992	17478	1514	1428	18992	12043
45°	22926	20942	1236	1149	22926	17621
55°	24510	23013	1062	1010	24510	22116
65°	24754	24789	801	836	24754	23692
75°	12290	13108	540	574	12290	13202
85°	1654	1776	226	278	1654	2295
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°	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8
2.5°	13421.6	13369.3	13421.6	13613.1	13665.3	13752.3	13752.3	13630.5	13404.2	13299.7	13125.6
5°	13717.5	13630.5	14065.7	14466.0	14779.4	14744.6	14448.6	14204.9	13752.3	13073.4	12429.3
7.5°	13125.6	13212.7	13526.0	14570.5	15301.6	15440.9	14970.9	14483.5	13508.6	12568.6	11698.2
10°	12011.5	12133.4	12812.3	13891.6	15040.5	15266.8	14970.9	14379.0	13212.7	12046.3	11036.7
12.5°	11471.9	11750.4	12150.8	13456.4	14274.6	14814.2	14674.9	14292.0	12986.4	11611.1	10636.3
15°	11471.9	11541.5	12133.4	13230.1	13700.1	13717.5	13769.7	13839.4	13056.0	11802.6	10497.0
17.5°	11837.4	12028.9	12533.8	13212.7	13299.7	13090.8	13090.8	13386.8	13195.3	12342.3	11001.9
20°	12725.2	12655.6	13317.1	13595.6	13125.6	12603.4	12551.2	13056.0	13351.9	12916.7	11924.5
22.5°	13613.1	13926.4	14466.0	13839.4	12969.0	12272.6	12203.0	12829.7	13822.0	13909.0	12986.4
25°	14953.5	15266.8	15545.3	14779.4	12951.6	12185.6	12237.8	12725.2	14396.4	15319.0	14762.0
27.5°	16398.3	16589.8	16990.2	15806.5	13369.3	12081.2	12133.4	12864.5	14936.1	16241.7	16154.6
30°	17216.5	17425.4	17338.4	15998.0	13647.9	12150.8	12011.5	13056.0	14640.1	16241.7	17059.8
32.5°	18017.3	17895.4	17843.2	16311.3	13996.0	12586.0	12237.8	13456.4	14814.2	16502.8	18226.2
35°	18992.1	18818.0	18678.8	16920.6	14570.5	13003.8	12847.1	13978.6	15197.2	17042.4	19166.2
37.5°	20071.4	20071.4	19392.5	17373.2	15249.4	13682.7	13508.6	14727.2	15806.5	17373.2	20454.4
40°	21342.2	21394.4	20193.3	17982.5	16015.4	14762.0	14709.8	15702.0	16398.3	17860.6	21690.4
42.5°	22282.2	22317.1	20889.6	18208.8	16903.2	16259.1	16485.4	17268.7	17077.2	18295.8	21777.4
45°	22926.3	22752.3	21377.0	18852.9	17878.0	18504.7	18574.3	18800.6	17965.1	18556.9	22125.6
47.5°	23239.7	23204.9	21585.9	19601.4	19932.2	20785.2	21185.5	20872.2	18783.2	18278.4	22125.6
50°	23553.0	23257.1	21777.4	20628.5	21934.1	23657.5	23570.4	22996.0	19914.8	18626.6	21794.8
52.5°	23761.9	23500.8	22160.4	21551.1	23849.0	25798.7	26146.8	25084.9	21237.8	19270.7	21951.5
55°	24510.5	24301.6	23309.3	22804.5	26059.8	28061.7	28113.9	26634.2	22630.4	20332.5	22978.6
57.5°	25415.7	25537.5	24893.4	24580.1	27748.4	29715.5	29524.0	27783.2	23814.1	21620.7	24162.3
60°	26059.8	26251.3	26094.6	26129.4	28583.9	30272.5	29837.3	28496.9	24684.5	22595.6	25607.2
62.5°	25711.6	26094.6	26738.7	26599.4	28618.8	29872.1	29262.9	27556.9	24789.0	23866.4	26703.9
65°	24754.2	24789.0	26042.4	26808.3	27052.0	27800.6	26999.8	25589.8	23709.7	24649.7	26547.2
67.5°	22299.7	22578.2	23709.7	25206.8	24179.7	24353.8	24284.2	22247.4	22073.3	24110.1	25346.1
70°	19688.5	19879.9	21115.9	22874.1	20419.6	19601.4	19758.1	18243.6	18957.3	22438.9	22926.3
72.5°	16276.5	16398.3	17808.4	19357.7	16380.9	14918.7	15284.2	14048.3	15057.9	19636.2	19340.3
75°	12290.0	12516.4	13613.1	15440.9	12063.7	11123.7	11489.3	10984.4	11924.5	16172.0	15005.7
77.5°	8738.8	8564.7	9922.6	12081.2	9069.6	8512.5	8547.3	8634.4	9644.0	13630.5	10775.6
80°	5953.5	6005.8	7224.3	8860.7	7119.9	7032.8	6945.8	7642.1	8094.7	10793.0	7833.6
82.5°	3533.8	3533.8	4874.2	6301.7	5622.8	6336.5	5936.1	6562.8	6336.5	7938.0	5135.4
85°	1653.8	1653.8	2506.8	4543.5	4352.0	5222.4	4439.0	4961.3	4682.8	5535.7	2315.3
87.5°	278.5	243.7	504.8	2228.2	1793.0	2036.7	800.8	2646.0	2942.0	3864.6	574.5
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°	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8
2.5°	12934.1	12812.3	12568.6	12255.2	11994.1	11663.4	11558.9	11332.6	11019.3	10984.4	10845.2
5°	12185.6	11767.8	11245.6	10601.5	10166.3	9713.7	9330.7	9104.4	8843.3	8808.4	8738.8
7.5°	11367.4	10845.2	9974.8	9208.8	8460.3	7746.6	7398.4	6963.2	6667.3	6441.0	6336.5
10°	10601.5	10114.0	9034.8	7990.3	7328.8	6858.8	6441.0	5988.4	5622.8	5344.3	5239.8
12.5°	10096.6	9522.2	8355.8	7363.6	6876.2	6336.5	5866.5	5379.1	4909.1	4543.5	4352.0
15°	9870.3	9330.7	8146.9	7050.2	6336.5	5588.0	5048.3	4560.9	3986.4	3725.3	3638.3
17.5°	10410.0	9609.2	8077.3	6684.7	5675.0	4822.0	4160.5	3638.3	3220.5	2959.4	2854.9
20°	11106.3	10114.0	8199.2	6249.5	5048.3	4090.9	3359.7	2802.7	2524.2	2332.7	2315.3
22.5°	11994.1	10862.6	8390.7	5936.1	4352.0	3290.1	2628.6	2297.9	2106.4	2089.0	2054.1
25°	13578.2	12220.4	8704.0	5518.3	3794.9	2715.6	2245.6	2054.1	1967.1	1914.9	1949.7
27.5°	14936.1	13108.2	8930.3	5257.2	3568.6	2559.0	2176.0	1967.1	1880.1	1862.7	1880.1
30°	15736.8	13926.4	8860.7	4769.8	3116.0	2437.1	2315.3	2245.6	2071.6	1932.3	1932.3
32.5°	16468.0	14448.6	8843.3	4334.6	2663.4	2036.7	1932.3	1880.1	1984.5	2054.1	2001.9
35°	17477.6	15266.8	8791.0	4090.9	2471.9	1880.1	1706.0	1566.7	1497.1	1462.3	1514.5
37.5°	18556.9	15823.9	8651.8	4056.1	2367.5	1793.0	1653.8	1514.5	1444.9	1410.0	1392.6
40°	19740.7	16415.7	8495.1	3882.0	2315.3	1740.8	1601.5	1479.7	1392.6	1340.4	1323.0
42.5°	20506.6	16885.8	8338.4	3794.9	2210.8	1706.0	1549.3	1444.9	1357.8	1288.2	1288.2
45°	20941.8	17442.8	8181.8	3707.9	2089.0	1723.4	1549.3	1410.0	1305.6	1270.8	1236.0
47.5°	21133.3	17860.6	8129.5	3568.6	1984.5	1653.8	1514.5	1375.2	1270.8	1201.2	1183.7
50°	21638.1	18748.4	8321.0	3464.2	1862.7	1584.1	1601.5	1357.8	1253.4	1166.3	1148.9
52.5°	21934.1	19462.1	8738.8	3307.5	1775.6	1497.1	1566.7	1323.0	1201.2	1114.1	1114.1
55°	23013.4	20645.9	9191.4	3185.7	1671.2	1375.2	1444.9	1253.4	1114.1	1061.9	1061.9
57.5°	24388.6	21899.3	9574.4	3133.4	1601.5	1288.2	1288.2	1218.6	1061.9	992.3	974.8
60°	25346.1	22926.3	9800.7	3098.6	1531.9	1201.2	1148.9	1218.6	1009.7	940.0	922.6
62.5°	25450.5	22334.5	9574.4	3081.2	1514.5	1114.1	1044.5	1166.3	957.4	887.8	853.0
65°	24789.0	21133.3	8947.7	3011.6	1497.1	1027.1	974.8	1009.7	887.8	835.6	800.8
67.5°	23466.0	19183.6	8042.5	2976.8	1479.7	957.4	887.8	870.4	818.2	766.0	731.1
70°	20384.8	16642.0	6980.6	2820.1	1444.9	905.2	800.8	783.4	731.1	696.3	678.9
72.5°	17112.1	13613.1	5762.0	2611.2	1375.2	818.2	731.1	696.3	678.9	626.7	609.3
75°	13108.2	10479.6	4613.1	2315.3	1201.2	731.1	644.1	609.3	591.9	557.1	539.6
77.5°	9208.8	7798.8	3412.0	1880.1	1009.7	661.5	574.5	539.6	522.2	470.0	470.0
80°	6249.5	5466.1	2315.3	1305.6	783.4	539.6	504.8	470.0	435.2	400.4	400.4
82.5°	3882.0	3829.8	1671.2	853.0	574.5	435.2	400.4	400.4	348.2	313.3	313.3
85°	1775.6	2350.1	1166.3	591.9	435.2	330.8	330.8	313.3	278.5	226.3	226.3
87.5°	557.1	783.4	609.3	261.1	243.7	191.5	191.5	174.1	174.1	139.3	139.3
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°	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8
2.5°	10984.4	10967.0	10967.0	10897.4	11071.5	11071.5	11175.9	11088.9	11141.1	11158.5	11297.8
5°	8721.4	8860.7	8965.1	9174.0	9295.9	9348.1	9348.1	9487.4	9435.1	9539.6	9748.5
7.5°	6388.7	6562.8	6876.2	7137.3	7346.2	7415.8	7398.4	7433.2	7485.4	7363.6	7398.4
10°	5170.2	5048.3	5152.8	5396.5	5588.0	5814.3	5640.2	5622.8	5675.0	5622.8	5727.2
12.5°	4317.2	4177.9	4090.9	4090.9	4230.1	4334.6	4282.4	4369.4	4560.9	4613.1	4735.0
15°	3499.0	3377.2	3307.5	3220.5	3359.7	3394.6	3446.8	3568.6	3707.9	3777.5	3916.8
17.5°	2802.7	2802.7	2802.7	2733.1	2785.3	2837.5	2854.9	3011.6	3029.0	3098.6	3150.8
20°	2297.9	2350.1	2437.1	2471.9	2524.2	2524.2	2489.3	2576.4	2506.8	2559.0	2593.8
22.5°	2071.6	2141.2	2176.0	2193.4	2263.0	2280.4	2193.4	2210.8	2228.2	2176.0	2193.4
25°	1949.7	1984.5	1949.7	1967.1	1984.5	1949.7	1967.1	2001.9	1984.5	2019.3	2001.9
27.5°	1897.5	1862.7	1845.2	1827.8	1827.8	1793.0	1810.4	1810.4	1845.2	1862.7	1862.7
30°	1897.5	1845.2	1775.6	1723.4	1723.4	1671.2	1706.0	1740.8	1758.2	1793.0	1793.0
32.5°	1949.7	1845.2	1723.4	1671.2	1618.9	1584.1	1618.9	1671.2	1740.8	1758.2	1775.6
35°	1549.3	1601.5	1584.1	1514.5	1497.1	1497.1	1479.7	1479.7	1427.5	1427.5	1410.0
37.5°	1392.6	1375.2	1410.0	1427.5	1444.9	1392.6	1392.6	1323.0	1305.6	1323.0	1323.0
40°	1305.6	1305.6	1305.6	1357.8	1375.2	1340.4	1288.2	1253.4	1253.4	1253.4	1270.8
42.5°	1270.8	1236.0	1218.6	1253.4	1305.6	1270.8	1218.6	1201.2	1201.2	1218.6	1218.6
45°	1218.6	1201.2	1183.7	1166.3	1236.0	1183.7	1166.3	1148.9	1148.9	1148.9	1166.3
47.5°	1166.3	1148.9	1114.1	1114.1	1131.5	1114.1	1096.7	1096.7	1096.7	1131.5	1131.5
50°	1131.5	1114.1	1079.3	1079.3	1079.3	1079.3	1061.9	1061.9	1061.9	1079.3	1096.7
52.5°	1079.3	1061.9	1044.5	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1044.5	1061.9
55°	1027.1	1009.7	992.3	992.3	1009.7	1009.7	992.3	1009.7	992.3	1009.7	1027.1
57.5°	974.8	957.4	940.0	957.4	974.8	957.4	957.4	957.4	957.4	957.4	974.8
60°	905.2	905.2	905.2	905.2	940.0	940.0	940.0	940.0	905.2	922.6	940.0
62.5°	870.4	853.0	853.0	870.4	887.8	887.8	905.2	887.8	870.4	887.8	887.8
65°	800.8	800.8	800.8	818.2	818.2	835.6	835.6	835.6	818.2	835.6	835.6
67.5°	748.5	748.5	748.5	748.5	783.4	783.4	783.4	783.4	766.0	766.0	783.4
70°	661.5	678.9	661.5	696.3	731.1	713.7	731.1	731.1	713.7	696.3	731.1
72.5°	609.3	609.3	609.3	609.3	661.5	661.5	661.5	678.9	661.5	644.1	661.5
75°	539.6	539.6	539.6	557.1	591.9	591.9	591.9	591.9	591.9	574.5	574.5
77.5°	470.0	487.4	470.0	487.4	522.2	504.8	522.2	539.6	522.2	504.8	504.8
80°	400.4	400.4	400.4	417.8	435.2	435.2	435.2	452.6	435.2	417.8	417.8
82.5°	313.3	313.3	330.8	330.8	348.2	348.2	348.2	365.6	348.2	330.8	330.8
85°	243.7	243.7	243.7	261.1	261.1	278.5	278.5	295.9	295.9	278.5	278.5
87.5°	156.7	139.3	156.7	156.7	174.1	174.1	156.7	139.3	156.7	139.3	121.9
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: P598933  
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8	12533.8
2.5°	11437.1	11750.4	11976.7	12133.4	12359.7	12794.9	12969.0	13282.3	13369.3	13421.6
5°	9835.5	10166.3	10653.7	11001.9	11402.2	12220.4	12847.1	13317.1	13526.0	13717.5
7.5°	7711.7	8146.9	8651.8	9104.4	9765.9	10775.6	11593.7	12568.6	12934.1	13125.6
10°	6023.2	6423.6	6980.6	7537.7	8460.3	9313.3	10479.6	11367.4	11872.3	12011.5
12.5°	5083.1	5553.2	6214.7	6893.6	7468.0	8442.9	9626.6	10914.8	11384.8	11471.9
15°	4317.2	4961.3	5640.2	6336.5	6998.0	7851.0	9121.8	10688.5	11384.8	11471.9
17.5°	3568.6	4143.1	4943.9	5692.4	6458.4	7624.7	9208.8	10880.0	11576.3	11837.4
20°	2837.5	3394.6	4021.2	4961.3	6005.8	7241.7	9400.3	11524.1	12446.7	12725.2
22.5°	2350.1	2593.8	3203.1	4108.3	5344.3	6980.6	9591.8	12533.8	13508.6	13613.1
25°	2054.1	2228.2	2611.2	3464.2	4822.0	6806.5	10044.4	13700.1	14953.5	14953.5
27.5°	1914.9	1984.5	2245.6	3011.6	4456.4	6649.9	10497.0	14988.3	16154.6	16398.3
30°	1880.1	2054.1	2193.4	2680.8	4056.1	6214.7	10914.8	15998.0	17199.1	17216.5
32.5°	1845.2	1810.4	1914.9	2332.7	3568.6	5762.0	11263.0	17025.0	17965.1	18017.3
35°	1444.9	1514.5	1688.6	2054.1	3203.1	5431.3	11437.1	17582.1	18939.9	18992.1
37.5°	1357.8	1444.9	1584.1	1897.5	2959.4	5152.8	11489.3	18661.4	19967.0	20071.4
40°	1323.0	1392.6	1497.1	1758.2	2767.9	4804.6	11593.7	19775.5	21481.5	21342.2
42.5°	1253.4	1340.4	1444.9	1688.6	2611.2	4543.5	11611.1	20384.8	22282.2	22282.2
45°	1236.0	1288.2	1410.0	1688.6	2437.1	4317.2	11332.6	20994.1	23204.9	22926.3
47.5°	1166.3	1270.8	1375.2	1636.4	2228.2	4090.9	11001.9	21307.4	23326.7	23239.7
50°	1148.9	1253.4	1427.5	1549.3	2106.4	3986.4	10932.2	22090.8	23570.4	23553.0
52.5°	1114.1	1218.6	1479.7	1479.7	1949.7	3847.2	11263.0	22438.9	23622.7	23761.9
55°	1061.9	1218.6	1375.2	1357.8	1810.4	3673.1	11628.5	23344.1	24545.3	24510.5
57.5°	1027.1	1183.7	1305.6	1236.0	1653.8	3551.2	12168.2	24214.5	25659.4	25415.7
60°	974.8	1183.7	1166.3	1148.9	1531.9	3446.8	12620.8	24388.6	25903.1	26059.8
62.5°	940.0	1236.0	1027.1	1061.9	1427.5	3394.6	12429.3	23083.0	25572.4	25711.6
65°	905.2	1061.9	940.0	974.8	1392.6	3290.1	11680.8	21516.3	24144.9	24754.2
67.5°	835.6	870.4	870.4	905.2	1357.8	3046.4	10148.9	18696.2	21968.9	22299.7
70°	766.0	783.4	783.4	835.6	1323.0	2767.9	8373.2	16172.0	19061.8	19688.5
72.5°	696.3	696.3	696.3	766.0	1218.6	2541.6	6893.6	12429.3	15841.3	16276.5
75°	609.3	609.3	609.3	678.9	1096.7	2315.3	5431.3	9243.6	11663.4	12290.0
77.5°	539.6	539.6	522.2	609.3	957.4	1880.1	3916.8	6528.0	8216.6	8738.8
80°	452.6	435.2	435.2	487.4	748.5	1357.8	2524.2	4613.1	5727.2	5953.5
82.5°	365.6	348.2	330.8	365.6	539.6	853.0	1566.7	3220.5	3673.1	3533.8
85°	348.2	365.6	295.9	278.5	383.0	557.1	992.3	1984.5	1653.8	1653.8
87.5°	139.3	121.9	121.9	104.4	191.5	208.9	435.2	365.6	278.5	278.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)