

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: P598926

Luminaire Tested: **IFLD-L-SA7A-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: P598926  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7A-730-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

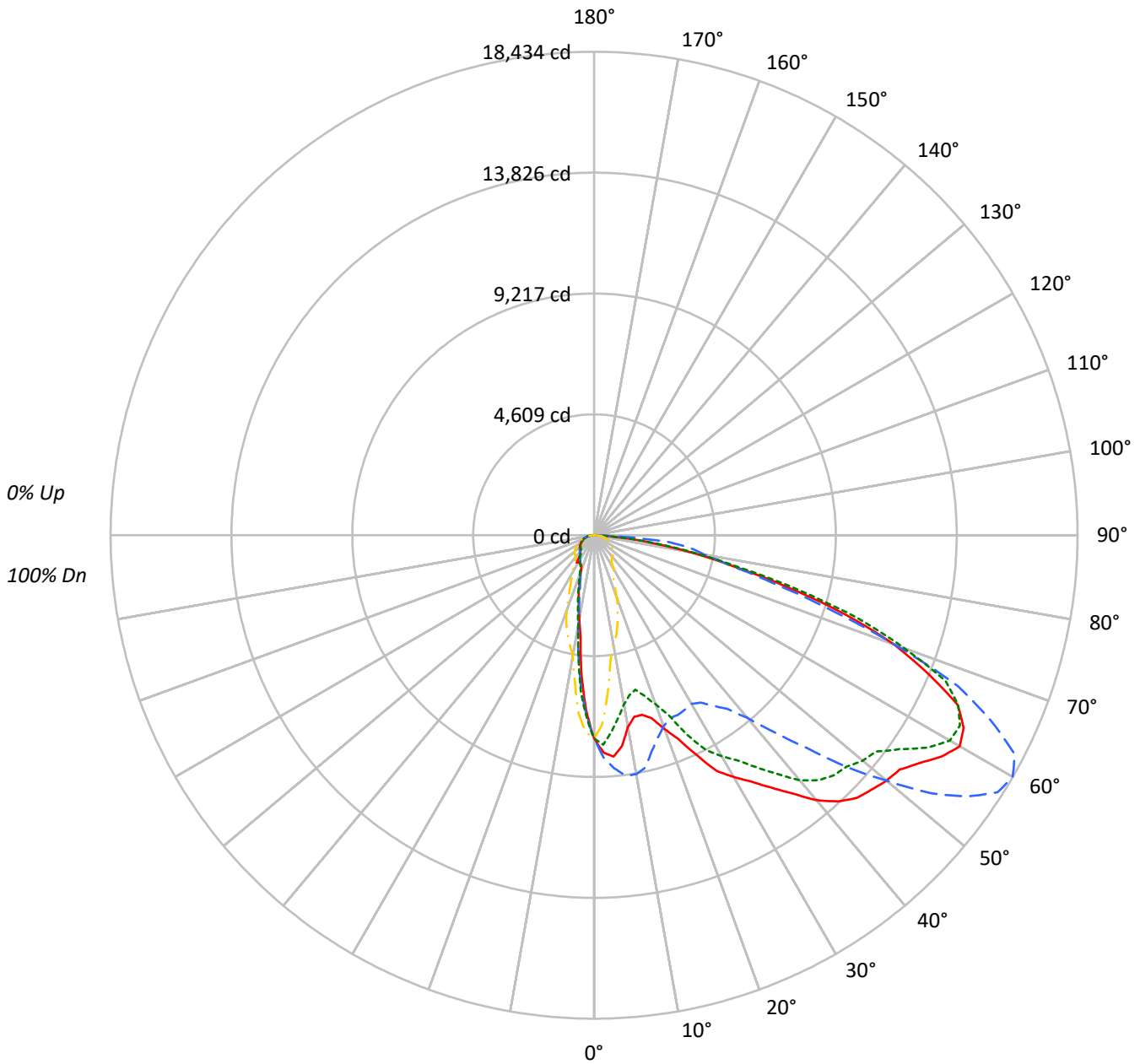
Lumens per Lamp: N/A  
 Luminaire Lumens: 24244.1 lumens  
 Efficiency: N/A  
 Efficacy: 111.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 217.6  
 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°	41675	41675	41675	41675
5°	45785	40672	29168	31840
10°	40555	35794	17691	18984
15°	39490	33977	12524	13003
20°	45027	39298	8192	9055
25°	54861	49815	7153	7409
30°	66101	60420	7419	6884
35°	77091	70943	6148	5794
40°	92636	85684	5743	5440
45°	107806	98474	5812	5402
50°	121835	111930	5943	5583
55°	142086	133408	6155	5853
60°	173298	168551	6135	6135
65°	194757	195031	6300	6574
70°	191404	198173	6600	6770
75°	157889	168398	6933	7380
80°	113997	119666	7668	7999
85°	63091	67741	8633	10627

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 CATALOG NUMBER: IFLD-L-SA7A-730-U-SLL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	601.6	2.5
10°-20°	1270.1	5.2
20°-30°	1858.3	7.7
30°-40°	2618.2	10.8
40°-50°	3598.2	14.8
50°-60°	4904.0	20.2
60°-70°	5367.2	22.1
70°-80°	3098.7	12.8
80°-90°	927.9	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°	3729.9	15.4
0°-40°	6348.2	26.2
0°-60°	14850.4	61.3
0°-90°	24244.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24244.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7743	7743	7743	7743	7743	
5°	8475	7528	5399	5894	8475	770
15°	7087	6098	2248	2334	7087	2071
25°	9238	8389	1204	1248	9238	4326
35°	11734	10798	936	882	11734	7440
45°	14164	12938	764	710	14164	10886
55°	15143	14218	656	624	15143	13663
65°	15293	15315	495	516	15293	14637
75°	7593	8098	333	355	7593	8156
85°	1022	1097	140	172	1022	1418
90°	0	0	0	0	0	

TEST NUMBER: P598926  
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4
2.5°	8291.9	8259.7	8291.9	8410.2	8442.5	8496.3	8496.3	8421.0	8281.2	8216.6	8109.1
5°	8474.8	8421.0	8689.9	8937.2	9130.8	9109.3	8926.5	8775.9	8496.3	8076.8	7678.9
7.5°	8109.1	8162.9	8356.5	9001.7	9453.4	9539.5	9249.1	8948.0	8345.7	7764.9	7227.2
10°	7420.8	7496.1	7915.5	8582.3	9292.1	9431.9	9249.1	8883.4	8162.9	7442.3	6818.5
12.5°	7087.4	7259.5	7506.8	8313.4	8818.9	9152.3	9066.3	8829.7	8023.1	7173.4	6571.2
15°	7087.4	7130.4	7496.1	8173.6	8464.0	8474.8	8507.0	8550.0	8066.1	7291.7	6485.1
17.5°	7313.2	7431.5	7743.4	8162.9	8216.6	8087.6	8087.6	8270.4	8152.1	7625.1	6797.0
20°	7861.7	7818.7	8227.4	8399.5	8109.1	7786.5	7754.2	8066.1	8248.9	7980.0	7367.0
22.5°	8410.2	8603.8	8937.2	8550.0	8012.3	7582.1	7539.1	7926.3	8539.3	8593.1	8023.1
25°	9238.4	9431.9	9604.0	9130.8	8001.6	7528.3	7560.6	7861.7	8894.2	9464.2	9120.0
27.5°	10131.0	10249.3	10496.7	9765.3	8259.7	7463.8	7496.1	7947.8	9227.6	10034.2	9980.4
30°	10636.5	10765.5	10711.8	9883.6	8431.7	7506.8	7420.8	8066.1	9044.8	10034.2	10539.7
32.5°	11131.2	11055.9	11023.6	10077.2	8646.8	7775.7	7560.6	8313.4	9152.3	10195.5	11260.2
35°	11733.5	11625.9	11539.9	10453.6	9001.7	8033.8	7937.0	8636.1	9388.9	10528.9	11841.0
37.5°	12400.3	12400.3	11980.8	10733.3	9421.2	8453.3	8345.7	9098.5	9765.3	10733.3	12636.9
40°	13185.4	13217.6	12475.5	11109.7	9894.4	9120.0	9087.8	9700.8	10131.0	11034.4	13400.4
42.5°	13766.1	13787.6	12905.7	11249.5	10442.9	10045.0	10184.8	10668.7	10550.4	11303.3	13454.2
45°	14164.0	14056.5	13206.9	11647.4	11045.2	11432.3	11475.3	11615.2	11098.9	11464.6	13669.3
47.5°	14357.6	14336.1	13335.9	12109.9	12314.2	12841.2	13088.6	12895.0	11604.4	11292.5	13669.3
50°	14551.2	14368.4	13454.2	12744.4	13551.0	14615.7	14562.0	14207.1	12303.5	11507.6	13465.0
52.5°	14680.3	14518.9	13690.8	13314.4	14734.0	15938.6	16153.7	15497.6	13120.8	11905.5	13561.8
55°	15142.7	15013.7	14400.6	14088.8	16099.9	17336.7	17369.0	16454.8	13981.2	12561.6	14196.3
57.5°	15702.0	15777.3	15379.3	15185.7	17143.1	18358.4	18240.1	17164.6	14712.5	13357.4	14927.6
60°	16099.9	16218.2	16121.4	16142.9	17659.3	18702.6	18433.7	17605.6	15250.3	13959.7	15820.3
62.5°	15884.8	16121.4	16519.3	16433.3	17680.8	18455.2	18078.8	17024.8	15314.8	14744.8	16497.8
65°	15293.3	15314.8	16089.1	16562.4	16712.9	17175.4	16680.7	15809.5	14648.0	15228.8	16401.0
67.5°	13776.9	13948.9	14648.0	15572.9	14938.4	15045.9	15002.9	13744.6	13637.1	14895.4	15658.9
70°	12163.6	12282.0	13045.5	14131.8	12615.3	12109.9	12206.7	11271.0	11711.9	13862.9	14164.0
72.5°	10055.7	10131.0	11002.1	11959.3	10120.2	9216.8	9442.7	8679.1	9302.9	12131.4	11948.6
75°	7592.9	7732.7	8410.2	9539.5	7453.1	6872.3	7098.2	6786.3	7367.0	9991.2	9270.6
77.5°	5398.9	5291.3	6130.2	7463.8	5603.2	5259.1	5280.6	5334.4	5958.1	8421.0	6657.2
80°	3678.1	3710.4	4463.2	5474.2	4398.7	4344.9	4291.2	4721.3	5001.0	6668.0	4839.6
82.5°	2183.2	2183.2	3011.3	3893.2	3473.8	3914.7	3667.4	4054.5	3914.7	4904.2	3172.7
85°	1021.7	1021.7	1548.7	2807.0	2688.7	3226.4	2742.5	3065.1	2893.0	3420.0	1430.4
87.5°	172.1	150.6	311.9	1376.6	1107.7	1258.3	494.7	1634.7	1817.6	2387.6	354.9
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: P598926  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4
2.5°	7990.8	7915.5	7764.9	7571.4	7410.0	7205.7	7141.2	7001.4	6807.8	6786.3	6700.2
5°	7528.3	7270.2	6947.6	6549.7	6280.8	6001.2	5764.6	5624.7	5463.4	5441.9	5398.9
7.5°	7022.9	6700.2	6162.5	5689.3	5226.8	4785.9	4570.8	4301.9	4119.1	3979.3	3914.7
10°	6549.7	6248.5	5581.7	4936.4	4527.8	4237.4	3979.3	3699.6	3473.8	3301.7	3237.2
12.5°	6237.8	5882.9	5162.3	4549.3	4248.1	3914.7	3624.4	3323.2	3032.8	2807.0	2688.7
15°	6098.0	5764.6	5033.2	4355.7	3914.7	3452.3	3118.9	2817.8	2462.8	2301.5	2247.7
17.5°	6431.4	5936.6	4990.2	4129.8	3506.1	2979.1	2570.4	2247.7	1989.6	1828.3	1763.8
20°	6861.5	6248.5	5065.5	3861.0	3118.9	2527.4	2075.7	1731.5	1559.4	1441.1	1430.4
22.5°	7410.0	6711.0	5183.8	3667.4	2688.7	2032.7	1624.0	1419.6	1301.3	1290.6	1269.1
25°	8388.7	7549.9	5377.4	3409.3	2344.5	1677.7	1387.4	1269.1	1215.3	1183.0	1204.5
27.5°	9227.6	8098.3	5517.2	3247.9	2204.7	1581.0	1344.3	1215.3	1161.5	1150.8	1161.5
30°	9722.3	8603.8	5474.2	2946.8	1925.1	1505.7	1430.4	1387.4	1279.8	1193.8	1193.8
32.5°	10174.0	8926.5	5463.4	2677.9	1645.5	1258.3	1193.8	1161.5	1226.0	1269.1	1236.8
35°	10797.8	9431.9	5431.2	2527.4	1527.2	1161.5	1054.0	967.9	924.9	903.4	935.7
37.5°	11464.6	9776.1	5345.1	2505.9	1462.6	1107.7	1021.7	935.7	892.6	871.1	860.4
40°	12195.9	10141.8	5248.3	2398.3	1430.4	1075.5	989.4	914.2	860.4	828.1	817.4
42.5°	12669.1	10432.1	5151.5	2344.5	1365.9	1054.0	957.2	892.6	838.9	795.9	795.9
45°	12938.0	10776.3	5054.7	2290.8	1290.6	1064.7	957.2	871.1	806.6	785.1	763.6
47.5°	13056.3	11034.4	5022.5	2204.7	1226.0	1021.7	935.7	849.6	785.1	742.1	731.3
50°	13368.2	11582.9	5140.8	2140.2	1150.8	978.7	989.4	838.9	774.3	720.6	709.8
52.5°	13551.0	12023.8	5398.9	2043.4	1097.0	924.9	967.9	817.4	742.1	688.3	688.3
55°	14217.8	12755.2	5678.5	1968.1	1032.5	849.6	892.6	774.3	688.3	656.0	656.0
57.5°	15067.4	13529.5	5915.1	1935.9	989.4	795.9	795.9	752.8	656.0	613.0	602.3
60°	15658.9	14164.0	6054.9	1914.3	946.4	742.1	709.8	752.8	623.8	580.8	570.0
62.5°	15723.5	13798.4	5915.1	1903.6	935.7	688.3	645.3	720.6	591.5	548.5	527.0
65°	15314.8	13056.3	5528.0	1860.6	924.9	634.5	602.3	623.8	548.5	516.2	494.7
67.5°	14497.4	11851.8	4968.7	1839.1	914.2	591.5	548.5	537.7	505.5	473.2	451.7
70°	12593.8	10281.6	4312.7	1742.3	892.6	559.2	494.7	484.0	451.7	430.2	419.4
72.5°	10571.9	8410.2	3559.8	1613.2	849.6	505.5	451.7	430.2	419.4	387.2	376.4
75°	8098.3	6474.4	2850.0	1430.4	742.1	451.7	397.9	376.4	365.7	344.2	333.4
77.5°	5689.3	4818.1	2107.9	1161.5	623.8	408.7	354.9	333.4	322.6	290.4	290.4
80°	3861.0	3377.0	1430.4	806.6	484.0	333.4	311.9	290.4	268.9	247.4	247.4
82.5°	2398.3	2366.1	1032.5	527.0	354.9	268.9	247.4	247.4	215.1	193.6	193.6
85°	1097.0	1451.9	720.6	365.7	268.9	204.3	204.3	193.6	172.1	139.8	139.8
87.5°	344.2	484.0	376.4	161.3	150.6	118.3	118.3	107.5	107.5	86.0	86.0
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: P598926  
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4
2.5°	6786.3	6775.5	6775.5	6732.5	6840.0	6840.0	6904.6	6850.8	6883.1	6893.8	6979.8
5°	5388.1	5474.2	5538.7	5667.8	5743.0	5775.3	5775.3	5861.4	5829.1	5893.6	6022.7
7.5°	3947.0	4054.5	4248.1	4409.5	4538.5	4581.5	4570.8	4592.3	4624.6	4549.3	4570.8
10°	3194.2	3118.9	3183.4	3334.0	3452.3	3592.1	3484.5	3473.8	3506.1	3473.8	3538.3
12.5°	2667.2	2581.1	2527.4	2527.4	2613.4	2677.9	2645.7	2699.4	2817.8	2850.0	2925.3
15°	2161.7	2086.4	2043.4	1989.6	2075.7	2097.2	2129.4	2204.7	2290.8	2333.8	2419.8
17.5°	1731.5	1731.5	1731.5	1688.5	1720.8	1753.0	1763.8	1860.6	1871.3	1914.3	1946.6
20°	1419.6	1451.9	1505.7	1527.2	1559.4	1559.4	1537.9	1591.7	1548.7	1581.0	1602.5
22.5°	1279.8	1322.8	1344.3	1355.1	1398.1	1408.9	1355.1	1365.9	1376.6	1344.3	1355.1
25°	1204.5	1226.0	1204.5	1215.3	1226.0	1204.5	1215.3	1236.8	1226.0	1247.6	1236.8
27.5°	1172.3	1150.8	1140.0	1129.3	1129.3	1107.7	1118.5	1118.5	1140.0	1150.8	1150.8
30°	1172.3	1140.0	1097.0	1064.7	1064.7	1032.5	1054.0	1075.5	1086.2	1107.7	1107.7
32.5°	1204.5	1140.0	1064.7	1032.5	1000.2	978.7	1000.2	1032.5	1075.5	1086.2	1097.0
35°	957.2	989.4	978.7	935.7	924.9	924.9	914.2	914.2	881.9	881.9	871.1
37.5°	860.4	849.6	871.1	881.9	892.6	860.4	860.4	817.4	806.6	817.4	817.4
40°	806.6	806.6	806.6	838.9	849.6	828.1	795.9	774.3	774.3	774.3	785.1
42.5°	785.1	763.6	752.8	774.3	806.6	785.1	752.8	742.1	742.1	752.8	752.8
45°	752.8	742.1	731.3	720.6	763.6	731.3	720.6	709.8	709.8	709.8	720.6
47.5°	720.6	709.8	688.3	688.3	699.1	688.3	677.6	677.6	677.6	699.1	699.1
50°	699.1	688.3	666.8	666.8	666.8	666.8	656.0	656.0	656.0	666.8	677.6
52.5°	666.8	656.0	645.3	634.5	634.5	634.5	634.5	634.5	634.5	645.3	656.0
55°	634.5	623.8	613.0	613.0	623.8	623.8	613.0	623.8	613.0	623.8	634.5
57.5°	602.3	591.5	580.8	591.5	602.3	591.5	591.5	591.5	591.5	591.5	602.3
60°	559.2	559.2	559.2	559.2	580.8	580.8	580.8	580.8	559.2	570.0	580.8
62.5°	537.7	527.0	527.0	537.7	548.5	548.5	559.2	548.5	537.7	548.5	548.5
65°	494.7	494.7	494.7	505.5	505.5	516.2	516.2	516.2	505.5	516.2	516.2
67.5°	462.5	462.5	462.5	462.5	484.0	484.0	484.0	484.0	473.2	473.2	484.0
70°	408.7	419.4	408.7	430.2	451.7	440.9	451.7	451.7	440.9	430.2	451.7
72.5°	376.4	376.4	376.4	376.4	408.7	408.7	408.7	419.4	408.7	397.9	408.7
75°	333.4	333.4	333.4	344.2	365.7	365.7	365.7	365.7	365.7	354.9	354.9
77.5°	290.4	301.1	290.4	301.1	322.6	311.9	322.6	333.4	322.6	311.9	311.9
80°	247.4	247.4	247.4	258.1	268.9	268.9	268.9	279.6	268.9	258.1	258.1
82.5°	193.6	193.6	204.3	204.3	215.1	215.1	215.1	225.9	215.1	204.3	204.3
85°	150.6	150.6	150.6	161.3	161.3	172.1	172.1	182.8	182.8	172.1	172.1
87.5°	96.8	86.0	96.8	96.8	107.5	107.5	96.8	86.0	96.8	86.0	75.3
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: P598926  
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4	7743.4
2.5°	7065.9	7259.5	7399.3	7496.1	7635.9	7904.8	8012.3	8205.9	8259.7	8291.9
5°	6076.4	6280.8	6581.9	6797.0	7044.4	7549.9	7937.0	8227.4	8356.5	8474.8
7.5°	4764.4	5033.2	5345.1	5624.7	6033.4	6657.2	7162.7	7764.9	7990.8	8109.1
10°	3721.2	3968.5	4312.7	4656.8	5226.8	5753.8	6474.4	7022.9	7334.8	7420.8
12.5°	3140.4	3430.8	3839.5	4258.9	4613.8	5216.1	5947.4	6743.2	7033.6	7087.4
15°	2667.2	3065.1	3484.5	3914.7	4323.4	4850.4	5635.5	6603.4	7033.6	7087.4
17.5°	2204.7	2559.6	3054.4	3516.8	3990.0	4710.6	5689.3	6721.7	7151.9	7313.2
20°	1753.0	2097.2	2484.4	3065.1	3710.4	4474.0	5807.6	7119.7	7689.7	7861.7
22.5°	1451.9	1602.5	1978.9	2538.1	3301.7	4312.7	5925.9	7743.4	8345.7	8410.2
25°	1269.1	1376.6	1613.2	2140.2	2979.1	4205.1	6205.5	8464.0	9238.4	9238.4
27.5°	1183.0	1226.0	1387.4	1860.6	2753.2	4108.3	6485.1	9259.9	9980.4	10131.0
30°	1161.5	1269.1	1355.1	1656.2	2505.9	3839.5	6743.2	9883.6	10625.7	10636.5
32.5°	1140.0	1118.5	1183.0	1441.1	2204.7	3559.8	6958.3	10518.2	11098.9	11131.2
35°	892.6	935.7	1043.2	1269.1	1978.9	3355.5	7065.9	10862.3	11701.2	11733.5
37.5°	838.9	892.6	978.7	1172.3	1828.3	3183.4	7098.2	11529.1	12335.7	12400.3
40°	817.4	860.4	924.9	1086.2	1710.0	2968.3	7162.7	12217.4	13271.4	13185.4
42.5°	774.3	828.1	892.6	1043.2	1613.2	2807.0	7173.4	12593.8	13766.1	13766.1
45°	763.6	795.9	871.1	1043.2	1505.7	2667.2	7001.4	12970.3	14336.1	14164.0
47.5°	720.6	785.1	849.6	1010.9	1376.6	2527.4	6797.0	13163.8	14411.4	14357.6
50°	709.8	774.3	881.9	957.2	1301.3	2462.8	6754.0	13647.8	14562.0	14551.2
52.5°	688.3	752.8	914.2	914.2	1204.5	2376.8	6958.3	13862.9	14594.2	14680.3
55°	656.0	752.8	849.6	838.9	1118.5	2269.3	7184.2	14422.2	15164.2	15142.7
57.5°	634.5	731.3	806.6	763.6	1021.7	2194.0	7517.6	14959.9	15852.5	15702.0
60°	602.3	731.3	720.6	709.8	946.4	2129.4	7797.2	15067.4	16003.1	16099.9
62.5°	580.8	763.6	634.5	656.0	881.9	2097.2	7678.9	14260.8	15798.8	15884.8
65°	559.2	656.0	580.8	602.3	860.4	2032.7	7216.5	13292.9	14916.9	15293.3
67.5°	516.2	537.7	537.7	559.2	838.9	1882.1	6270.0	11550.6	13572.5	13776.9
70°	473.2	484.0	484.0	516.2	817.4	1710.0	5173.0	9991.2	11776.5	12163.6
72.5°	430.2	430.2	430.2	473.2	752.8	1570.2	4258.9	7678.9	9786.8	10055.7
75°	376.4	376.4	376.4	419.4	677.6	1430.4	3355.5	5710.8	7205.7	7592.9
77.5°	333.4	333.4	322.6	376.4	591.5	1161.5	2419.8	4033.0	5076.3	5398.9
80°	279.6	268.9	268.9	301.1	462.5	838.9	1559.4	2850.0	3538.3	3678.1
82.5°	225.9	215.1	204.3	225.9	333.4	527.0	967.9	1989.6	2269.3	2183.2
85°	215.1	225.9	182.8	172.1	236.6	344.2	613.0	1226.0	1021.7	1021.7
87.5°	86.0	75.3	75.3	64.5	118.3	129.1	268.9	225.9	172.1	172.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)