

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: P598752

Luminaire Tested: **IFLD-L-SA7A-750-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598752  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7A-750-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 5000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

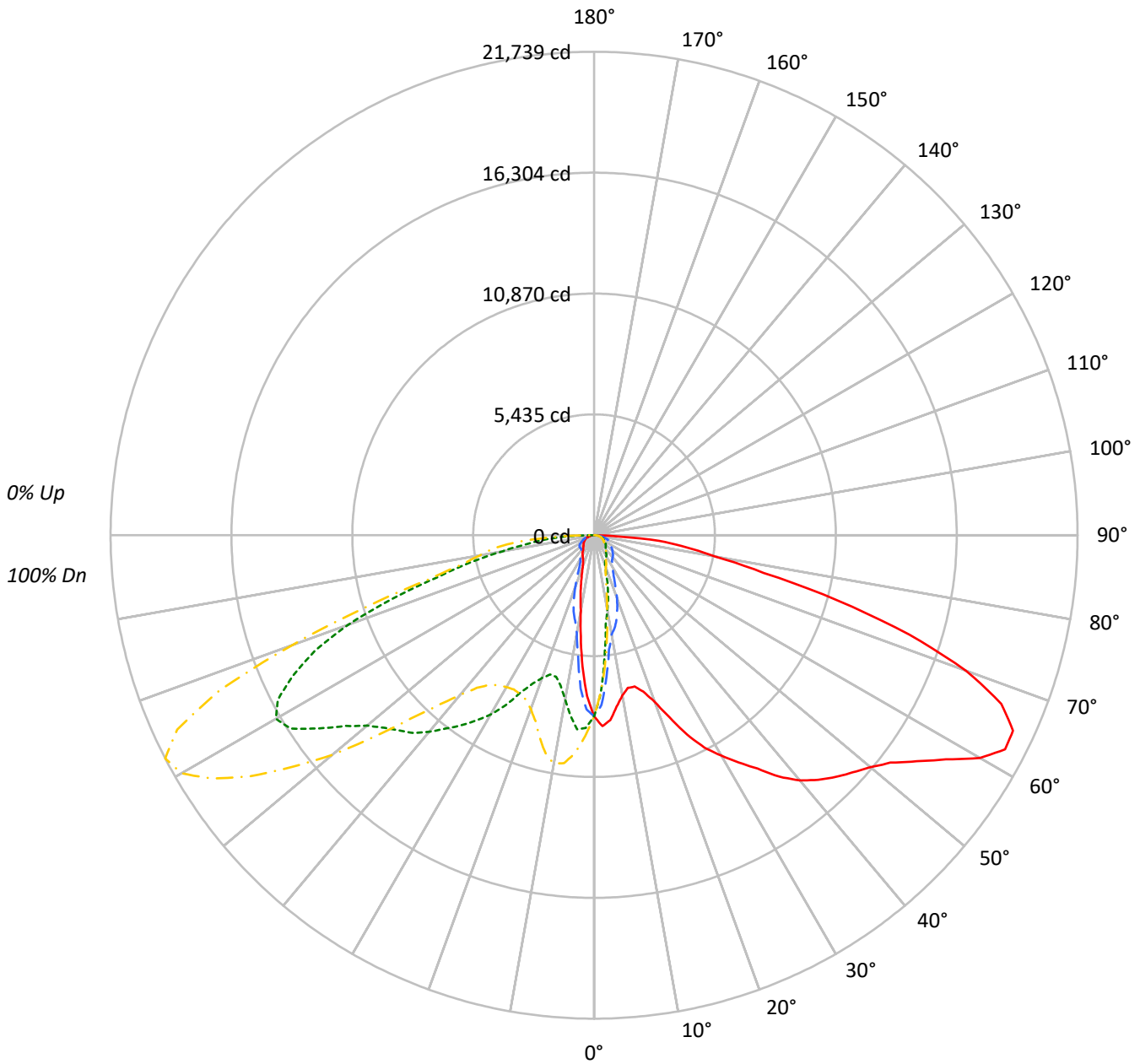
Lumens per Lamp: N/A  
 Luminaire Lumens: 27233.2 lumens  
 Efficiency: N/A  
 Efficacy: 125.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

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	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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77													
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59													
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46													
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36													
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30													
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25													
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21													
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18													
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16													
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14													

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

	0°	90°	180°	270°
0°	43783	43783	43783	43783
5°	45058	29300	32008	47335
10°	39975	18618	18804	40909
15°	39233	13205	12506	36693
20°	45614	8353	8418	39088
25°	58661	7172	6969	46212
30°	71089	6797	6372	57849
35°	84141	5989	5764	68570
40°	101100	5683	5283	81009
45°	116985	5637	5116	94438
50°	135846	5724	5152	111520
55°	166242	5880	5239	142082
60°	215601	5887	5519	177706
65°	264655	5948	5659	190221
70°	280048	6275	5917	185204
75°	235739	6633	5922	151156
80°	171267	7770	6003	130656
85°	181523	11257	4928	135791

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	629.6	2.3
10°-20°	1317.6	4.8
20°-30°	1898.9	7.0
30°-40°	2733.6	10.0
40°-50°	3882.9	14.3
50°-60°	5582.5	20.5
60°-70°	6449.6	23.7
70°-80°	3651.9	13.4
80°-90°	1086.8	4.0
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°	3846.1	14.1
0°-40°	6579.7	24.2
0°-60°	16045.0	58.9
0°-90°	27233.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27233.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8135	8135	8135	8135	8135	
5°	8340	5423	5925	8762	8340	757
15°	7041	2370	2244	6586	7041	2071
25°	9878	1208	1174	7782	9878	4585
35°	12806	912	877	10437	12806	8128
45°	15370	741	672	12408	15370	11901
55°	17717	627	558	15142	17717	16046
65°	20782	467	444	14937	20782	19928
75°	11337	319	285	7269	11337	12029
85°	2940	182	80	2199	2940	2927
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°	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1
2.5°	8590.8	8579.4	8511.1	8294.6	8066.7	7850.2	7645.1	7428.7	7314.7	7178.0	7121.0
5°	8340.2	8317.4	8123.7	7645.1	7223.6	6767.8	6380.4	6072.8	5822.2	5571.5	5480.3
7.5°	7770.5	7736.3	7508.4	6847.6	6232.3	5639.9	5172.7	4773.9	4443.5	4295.4	4124.5
10°	7314.7	7257.8	6961.5	6232.3	5434.8	4842.3	4534.7	4261.2	3976.4	3737.1	3486.5
12.5°	7029.9	6961.5	6653.9	5799.4	5024.6	4580.2	4261.2	3953.6	3600.4	3304.2	3030.7
15°	7041.3	6961.5	6585.5	5685.4	4922.1	4352.4	3908.0	3486.5	3076.3	2745.9	2438.2
17.5°	7371.7	7269.1	6870.4	5844.9	4842.3	4056.1	3463.7	2916.8	2449.6	2096.4	1845.8
20°	7964.2	7895.8	7440.1	6084.2	4762.5	3737.1	3007.9	2347.1	1857.2	1583.7	1481.2
22.5°	8852.9	8773.1	8283.2	6448.8	4739.8	3452.3	2518.0	1845.8	1492.6	1378.6	1321.7
25°	9878.3	9730.2	9274.4	7064.1	4785.3	3190.2	2119.2	1526.7	1333.1	1253.3	1219.1
27.5°	10767.0	10675.8	10163.1	7645.1	4808.1	2985.1	1845.8	1390.0	1241.9	1173.5	1150.8
30°	11439.2	11405.0	10903.7	8283.2	4751.2	2734.5	1674.9	1333.1	1241.9	1173.5	1105.2
32.5°	12111.4	12122.8	11587.3	8773.1	4671.4	2518.0	1515.4	1184.9	1093.8	1048.2	1059.6
35°	12806.5	12863.4	12407.7	9251.6	4500.5	2438.2	1401.4	1105.2	1025.4	957.1	922.9
37.5°	13683.8	13831.9	13387.5	9787.1	4329.6	2369.9	1344.5	1048.2	968.5	911.5	865.9
40°	14390.2	14663.6	14401.6	10288.5	4215.6	2290.1	1298.9	991.2	934.3	865.9	831.7
42.5°	14914.3	15233.3	15142.2	10675.8	4215.6	2210.4	1253.3	957.1	911.5	831.7	786.2
45°	15370.0	15700.4	15689.1	11074.6	4306.8	2164.8	1196.3	957.1	888.7	808.9	763.4
47.5°	15780.2	16110.6	16224.6	11575.9	4454.9	2142.0	1128.0	934.3	888.7	797.6	729.2
50°	16224.6	16589.2	16931.0	12373.5	4637.2	2085.0	1082.4	900.1	900.1	786.2	706.4
52.5°	16794.2	17204.4	17831.1	13364.7	4819.5	1982.5	1014.0	877.3	900.1	774.8	683.6
55°	17717.1	18058.9	18879.3	14549.7	5047.4	1857.2	957.1	820.3	854.5	740.6	649.4
57.5°	18753.9	19050.2	19733.8	15461.2	5115.7	1697.7	877.3	763.4	820.3	706.4	603.9
60°	20030.0	20178.2	20178.2	15723.2	4887.9	1549.5	820.3	717.8	740.6	672.2	569.7
62.5°	20839.0	20839.0	20178.2	15244.7	4454.9	1424.2	774.8	672.2	649.4	626.7	535.5
65°	20782.0	20690.9	19711.0	13854.7	3953.6	1344.5	729.2	615.3	581.1	569.7	501.3
67.5°	19824.9	19665.4	18332.4	11895.0	3429.5	1310.3	683.6	558.3	535.5	512.7	455.7
70°	17796.9	17386.7	15746.0	9570.7	2916.8	1287.5	672.2	512.7	489.9	467.1	421.6
72.5°	14857.3	14333.2	12293.7	7360.3	2449.6	1207.7	638.0	455.7	444.4	421.6	376.0
75°	11336.7	10368.2	8579.4	5628.5	1902.7	1048.2	546.9	398.8	398.8	387.4	341.8
77.5°	7816.0	7314.7	5981.7	4158.7	1390.0	808.9	444.4	353.2	353.2	364.6	319.0
80°	5525.9	5058.8	4261.2	2985.1	877.3	546.9	341.8	296.2	330.4	353.2	296.2
82.5°	4227.0	3885.2	3167.4	2176.2	512.7	376.0	262.1	239.3	284.8	307.6	250.7
85°	2939.6	2529.4	1606.5	1458.4	296.2	227.9	193.7	193.7	250.7	307.6	227.9
87.5°	831.7	353.2	102.5	433.0	125.3	91.1	68.4	45.6	68.4	68.4	45.6
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°	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1
2.5°	7064.1	6995.7	6995.7	6972.9	6984.3	6995.7	6984.3	7064.1	7098.2	7143.8	7235.0
5°	5423.4	5514.5	5446.2	5514.5	5605.7	5742.4	5776.6	5879.1	5890.5	5970.3	5924.7
7.5°	4022.0	4010.6	3953.6	4033.4	4284.0	4477.7	4568.9	4625.8	4637.2	4637.2	4580.2
10°	3406.7	3304.2	3201.6	3144.6	3167.4	3372.5	3440.9	3475.1	3452.3	3486.5	3440.9
12.5°	2916.8	2825.6	2677.5	2575.0	2506.6	2563.6	2631.9	2666.1	2688.9	2745.9	2791.4
15°	2369.9	2278.7	2187.6	2130.6	2073.6	2028.1	2085.0	2119.2	2176.2	2221.8	2244.5
17.5°	1800.2	1754.6	1709.0	1743.2	1743.2	1720.4	1743.2	1754.6	1777.4	1811.6	1800.2
20°	1458.4	1447.0	1435.6	1492.6	1538.1	1538.1	1560.9	1526.7	1515.4	1481.2	1469.8
22.5°	1298.9	1298.9	1310.3	1355.8	1401.4	1424.2	1424.2	1367.2	1310.3	1287.5	1298.9
25°	1207.7	1207.7	1241.9	1253.3	1276.1	1276.1	1287.5	1230.5	1196.3	1162.2	1173.5
27.5°	1139.4	1139.4	1150.8	1150.8	1162.2	1162.2	1173.5	1150.8	1105.2	1093.8	1093.8
30°	1093.8	1093.8	1082.4	1082.4	1082.4	1082.4	1093.8	1059.6	1036.8	1025.4	1025.4
32.5°	1048.2	1036.8	1025.4	1025.4	1014.0	1014.0	1025.4	991.2	979.9	979.9	979.9
35°	911.5	900.1	911.5	934.3	934.3	945.7	945.7	934.3	911.5	888.7	877.3
37.5°	854.5	843.1	843.1	843.1	865.9	877.3	888.7	865.9	831.7	797.6	797.6
40°	808.9	808.9	797.6	797.6	797.6	820.3	843.1	808.9	763.4	752.0	752.0
42.5°	774.8	763.4	752.0	740.6	729.2	763.4	786.2	740.6	717.8	717.8	717.8
45°	740.6	729.2	717.8	706.4	695.0	706.4	729.2	683.6	672.2	672.2	672.2
47.5°	706.4	695.0	672.2	660.8	649.4	649.4	672.2	638.0	626.7	638.0	638.0
50°	683.6	660.8	638.0	626.7	615.3	615.3	615.3	603.9	603.9	603.9	615.3
52.5°	660.8	638.0	603.9	592.5	581.1	581.1	581.1	581.1	569.7	581.1	592.5
55°	626.7	603.9	581.1	569.7	558.3	546.9	558.3	546.9	546.9	558.3	558.3
57.5°	581.1	558.3	535.5	535.5	524.1	524.1	535.5	524.1	524.1	535.5	535.5
60°	546.9	524.1	501.3	501.3	489.9	501.3	512.7	501.3	501.3	501.3	512.7
62.5°	501.3	489.9	467.1	467.1	467.1	467.1	478.5	467.1	478.5	478.5	478.5
65°	467.1	444.4	433.0	433.0	433.0	433.0	455.7	433.0	444.4	444.4	444.4
67.5°	433.0	410.2	398.8	398.8	398.8	398.8	421.6	398.8	410.2	421.6	410.2
70°	398.8	376.0	364.6	364.6	364.6	364.6	376.0	364.6	364.6	376.0	376.0
72.5°	353.2	341.8	330.4	330.4	319.0	330.4	341.8	330.4	330.4	330.4	330.4
75°	319.0	307.6	307.6	296.2	296.2	296.2	307.6	284.8	284.8	284.8	284.8
77.5°	296.2	273.4	273.4	273.4	262.1	273.4	262.1	239.3	239.3	239.3	239.3
80°	250.7	227.9	239.3	239.3	227.9	227.9	216.5	193.7	193.7	193.7	193.7
82.5°	205.1	182.3	193.7	193.7	193.7	193.7	170.9	159.5	148.1	136.7	136.7
85°	182.3	148.1	170.9	170.9	159.5	159.5	113.9	113.9	91.1	91.1	79.8
87.5°	34.2	22.8	45.6	57.0	57.0	68.4	45.6	57.0	34.2	22.8	22.8
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°	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1
2.5°	7223.6	7348.9	7519.8	7645.1	7838.8	7986.9	8214.8	8408.5	8590.8	8670.6	8750.3
5°	6061.4	6141.2	6403.2	6608.3	6915.9	7246.4	7656.5	8100.9	8556.6	8761.7	9001.0
7.5°	4534.7	4682.8	4830.9	5127.1	5503.1	6038.6	6562.7	7223.6	7861.6	8169.2	8579.4
10°	3520.6	3634.6	3805.5	4113.1	4466.3	4910.7	5537.3	6323.5	7086.8	7485.6	7907.2
12.5°	2825.6	2985.1	3213.0	3532.0	3942.2	4397.9	4853.7	5582.9	6471.6	6927.3	7405.9
15°	2290.1	2415.5	2666.1	3064.9	3543.4	4010.6	4489.1	5093.0	6061.4	6585.5	7155.2
17.5°	1823.0	1914.1	2142.0	2540.8	3019.3	3543.4	4090.3	4853.7	5924.7	6562.7	7235.0
20°	1481.2	1549.5	1697.7	1993.9	2449.6	3019.3	3702.9	4625.8	6004.5	6824.8	7645.1
22.5°	1298.9	1321.7	1390.0	1549.5	1925.5	2529.4	3349.7	4432.1	6152.6	7212.2	8317.4
25°	1173.5	1196.3	1219.1	1321.7	1538.1	2107.8	3042.1	4318.2	6471.6	7781.9	9092.1
27.5°	1093.8	1116.6	1128.0	1173.5	1321.7	1800.2	2780.1	4249.8	6904.6	8613.6	10049.2
30°	1025.4	1025.4	1059.6	1128.0	1230.5	1583.7	2552.2	4090.3	7360.3	9308.6	10801.2
32.5°	968.5	979.9	1025.4	1059.6	1128.0	1401.4	2324.3	3885.2	7770.5	9878.3	11541.8
35°	865.9	865.9	877.3	934.3	1025.4	1253.3	2119.2	3680.1	7998.3	10436.6	12202.6
37.5°	797.6	808.9	831.7	877.3	957.1	1150.8	1948.3	3452.3	8237.6	10960.7	12977.4
40°	752.0	763.4	786.2	831.7	911.5	1059.6	1800.2	3270.0	8488.3	11530.4	13809.1
42.5°	717.8	729.2	752.0	797.6	865.9	1036.8	1640.7	3121.9	8636.4	12054.5	14595.3
45°	683.6	695.0	729.2	774.8	831.7	1014.0	1549.5	3019.3	8693.4	12407.7	15221.9
47.5°	649.4	660.8	695.0	763.4	831.7	979.9	1515.4	2962.3	8738.9	12806.5	15723.2
50°	615.3	638.0	683.6	752.0	843.1	934.3	1492.6	2951.0	9001.0	13319.2	16201.8
52.5°	592.5	626.7	672.2	752.0	831.7	865.9	1481.2	2985.1	9525.1	14082.5	16885.4
55°	569.7	603.9	649.4	752.0	797.6	808.9	1424.2	3042.1	10322.6	15142.2	17853.8
57.5°	546.9	569.7	626.7	729.2	752.0	763.4	1310.3	3121.9	11120.2	16179.0	18845.1
60°	512.7	535.5	592.5	729.2	683.6	717.8	1162.2	3144.6	11689.9	16509.4	18936.2
62.5°	478.5	501.3	558.3	752.0	626.7	672.2	1036.8	3064.9	11803.8	16030.9	18423.5
65°	444.4	467.1	512.7	626.7	581.1	626.7	957.1	2848.4	11427.8	14937.1	17489.2
67.5°	410.2	433.0	467.1	512.7	524.1	569.7	922.9	2506.6	10482.2	13581.2	16213.2
70°	364.6	387.4	421.6	455.7	467.1	535.5	865.9	2176.2	8955.4	11769.6	14652.2
72.5°	330.4	341.8	376.0	398.8	421.6	489.9	831.7	1902.7	6847.6	9525.1	11951.9
75°	284.8	284.8	319.0	341.8	364.6	433.0	763.4	1583.7	4830.9	7269.1	8784.5
77.5°	239.3	239.3	262.1	284.8	307.6	376.0	649.4	1287.5	3349.7	5765.2	6369.0
80°	182.3	182.3	205.1	227.9	250.7	319.0	524.1	945.7	2073.6	4215.6	4637.2
82.5°	125.3	125.3	159.5	170.9	182.3	250.7	398.8	649.4	1219.1	3042.1	3315.6
85°	68.4	68.4	91.1	102.5	125.3	182.3	296.2	455.7	729.2	2199.0	2210.4
87.5°	11.4	11.4	34.2	34.2	57.0	91.1	170.9	250.7	410.2	1219.1	774.8
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: P598752  
 CATALOG NUMBER: IFLD-L-SA7A-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1	8135.1
2.5°	8898.4	9023.8	9035.2	9035.2	8978.2	8989.6	8830.1	8659.2	8602.2	8590.8
5°	9365.6	9696.0	9787.1	9832.7	9684.6	9456.7	9046.6	8602.2	8374.3	8340.2
7.5°	9274.4	9935.3	10288.5	10334.0	10037.8	9502.3	8784.5	8100.9	7838.8	7770.5
10°	8738.9	9627.6	10265.7	10425.2	10106.2	9422.5	8488.3	7690.7	7371.7	7314.7
12.5°	8362.9	9217.5	9844.1	10060.6	9912.5	9320.0	8340.2	7428.7	7109.6	7029.9
15°	8157.9	8944.0	9354.2	9422.5	9411.2	9160.5	8340.2	7485.6	7132.4	7041.3
17.5°	8328.8	8864.3	8921.2	8761.7	8852.9	8978.2	8522.4	7793.3	7451.4	7371.7
20°	8670.6	8830.1	8556.6	8317.4	8362.9	8761.7	8807.3	8374.3	8100.9	7964.2
22.5°	9388.4	8955.4	8328.8	7998.3	8032.5	8590.8	9183.3	9160.5	8921.2	8852.9
25°	10117.6	9308.6	8260.4	7873.0	7918.6	8556.6	9627.6	10037.8	9912.5	9878.3
27.5°	10926.5	9901.1	8306.0	7816.0	7873.0	8602.2	9935.3	10778.4	10801.2	10767.0
30°	11473.4	10185.9	8442.7	7884.4	7964.2	8716.1	10003.6	11222.7	11427.8	11439.2
32.5°	11929.1	10470.8	8727.5	7998.3	8135.1	8921.2	10185.9	11644.3	12100.1	12111.4
35°	12293.7	10789.8	9080.7	8203.4	8408.5	9263.0	10425.2	12043.1	12726.7	12806.5
37.5°	12760.9	11143.0	9490.9	8647.8	8875.7	9753.0	10846.8	12510.2	13467.3	13683.8
40°	13262.2	11496.2	10083.4	9365.6	9696.0	10482.2	11325.3	13034.3	14093.9	14390.2
42.5°	13820.5	11872.2	10755.6	10334.0	10835.4	11405.0	11872.2	13512.9	14572.5	14914.3
45°	14367.4	12327.9	11735.5	11655.7	12214.0	12498.8	12407.7	13854.7	15028.2	15370.0
47.5°	14754.8	12988.8	12920.4	13398.9	13923.0	13774.9	13034.3	14105.3	15404.2	15780.2
50°	15108.0	13809.1	14413.0	15347.2	15666.3	15164.9	13706.6	14447.1	15803.0	16224.6
52.5°	15632.1	14686.4	15951.1	17113.3	17420.9	16623.3	14435.8	15005.4	16418.2	16794.2
55°	16703.1	15677.7	17557.6	18890.7	18947.6	17956.4	15415.6	15951.1	17284.2	17717.1
57.5°	17899.4	16896.8	18833.7	20360.4	20337.7	19289.4	16520.8	17227.2	18457.7	18753.9
60°	18981.8	18127.3	20223.7	21408.7	21351.7	20257.9	17808.3	18674.2	19802.2	20030.0
62.5°	19619.9	19243.9	20839.0	21739.1	21522.6	20576.9	18902.1	19961.7	20759.2	20839.0
65°	19517.3	19881.9	20121.2	20679.5	20371.8	19688.2	19437.6	20782.0	20861.8	20782.0
67.5°	18742.6	19517.3	18150.1	18207.0	18047.5	17466.5	18605.8	20565.5	20018.6	19824.9
70°	17569.0	17626.0	15176.3	14458.5	14709.2	13911.6	15962.5	18879.3	18036.1	17796.9
72.5°	15620.7	14914.3	11473.4	10744.2	11120.2	10550.5	12806.5	16452.4	15632.1	14857.3
75°	13102.7	11815.2	8738.9	7702.1	7895.8	7873.0	9923.9	13592.6	12111.4	11336.7
77.5°	10151.7	9206.1	6448.8	6050.0	5844.9	5890.5	6927.3	10106.2	8784.5	7816.0
80°	7417.3	6437.4	4990.4	5218.3	5104.4	4830.9	4853.7	6767.8	6107.0	5525.9
82.5°	5127.1	4580.2	4044.7	4568.9	4295.4	3873.8	3782.7	4876.5	4580.2	4227.0
85°	3440.9	3771.3	3213.0	3497.8	3030.7	2791.4	3554.8	4078.9	3292.8	2939.6
87.5°	2244.5	3452.3	2312.9	1754.6	1002.6	1344.5	2176.2	2677.5	1538.1	831.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)