

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: P599048

Luminaire Tested: **IFLD-L-SA8B-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599048  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 5700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

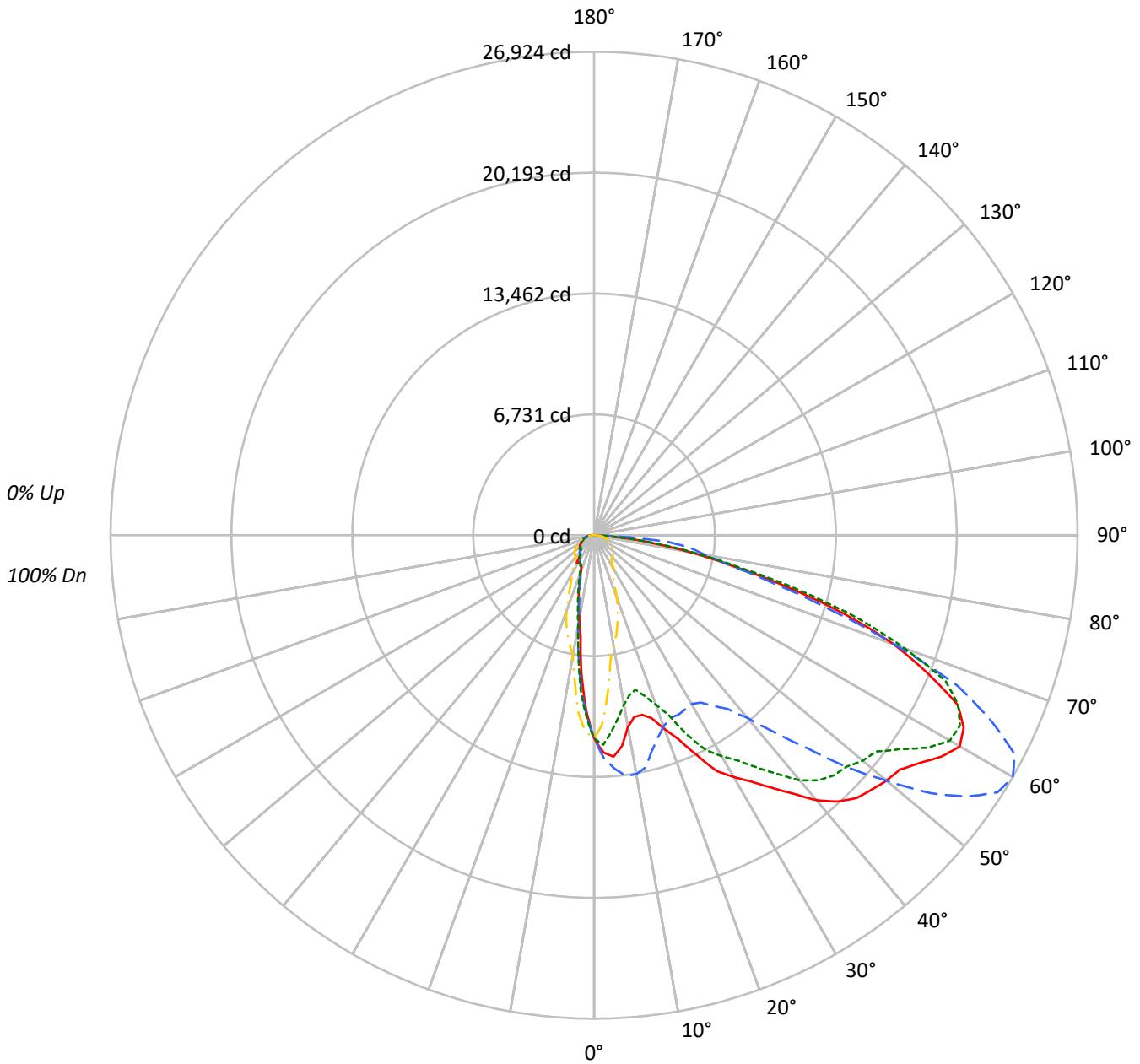
Lumens per Lamp: N/A  
 Luminaire Lumens: 35411.2 lumens  
 Efficiency: N/A  
 Efficacy: 110.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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°	60870	60870	60870	60870
5°	66874	59406	42603	46506
10°	59234	52281	25840	27729
15°	57679	49626	18293	18993
20°	65767	57400	11966	13226
25°	80129	72761	10448	10821
30°	96547	88250	10836	10055
35°	112599	103621	8979	8463
40°	135305	125151	8387	7946
45°	157462	143833	8489	7891
50°	177953	163486	8681	8154
55°	207533	194857	8991	8549
60°	253121	246188	8962	8962
65°	284464	284863	9202	9602
70°	279567	289455	9640	9887
75°	230613	245965	10127	10780
80°	166506	174785	11198	11685
85°	92151	98944	12610	15518

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	878.7	2.5
10°-20°	1855.1	5.2
20°-30°	2714.2	7.7
30°-40°	3824.2	10.8
40°-50°	5255.6	14.8
50°-60°	7162.8	20.2
60°-70°	7839.3	22.1
70°-80°	4525.9	12.8
80°-90°	1355.3	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°	5448.0	15.4
0°-40°	9272.2	26.2
0°-60°	21690.6	61.3
0°-90°	35411.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35411.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11310	11310	11310	11310	11310	
5°	12378	10996	7886	8608	12378	1124
15°	10352	8907	3283	3409	10352	3024
25°	13494	12253	1759	1822	13494	6319
35°	17138	15771	1367	1288	17138	10867
45°	20688	18897	1115	1037	20688	15900
55°	22118	20767	958	911	22118	19956
65°	22338	22369	723	754	22338	21379
75°	11090	11828	487	518	11090	11913
85°	1492	1602	204	251	1492	2071
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°	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1
2.5°	12111.3	12064.2	12111.3	12284.1	12331.2	12409.7	12409.7	12299.8	12095.6	12001.3	11844.2
5°	12378.3	12299.8	12692.5	13053.8	13336.5	13305.1	13038.1	12818.2	12409.7	11797.1	11215.9
7.5°	11844.2	11922.8	12205.5	13148.0	13807.8	13933.5	13509.3	13069.5	12189.8	11341.6	10556.1
10°	10838.9	10948.8	11561.5	12535.4	13572.2	13776.4	13509.3	12975.2	11922.8	10870.3	9959.2
12.5°	10351.9	10603.3	10964.6	12142.7	12881.0	13368.0	13242.3	12896.7	11718.6	10477.6	9597.9
15°	10351.9	10414.8	10948.8	11938.5	12362.6	12378.3	12425.4	12488.3	11781.4	10650.4	9472.2
17.5°	10681.8	10854.6	11310.1	11922.8	12001.3	11812.8	11812.8	12079.9	11907.1	11137.3	9927.8
20°	11482.9	11420.1	12017.0	12268.4	11844.2	11373.0	11325.9	11781.4	12048.4	11655.7	10760.3
22.5°	12284.1	12566.8	13053.8	12488.3	11702.9	11074.5	11011.7	11577.2	12472.6	12551.1	11718.6
25°	13493.6	13776.4	14027.7	13336.5	11687.1	10996.0	11043.1	11482.9	12991.0	13823.5	13320.8
27.5°	14797.4	14970.2	15331.5	14263.3	12064.2	10901.7	10948.8	11608.6	13477.9	14656.1	14577.5
30°	15535.7	15724.2	15645.7	14436.1	12315.5	10964.6	10838.9	11781.4	13210.9	14656.1	15394.4
32.5°	16258.3	16148.4	16101.2	14718.9	12629.7	11357.3	11043.1	12142.7	13368.0	14891.7	16446.8
35°	17138.0	16980.9	16855.3	15268.7	13148.0	11734.3	11592.9	12613.9	13713.5	15378.7	17295.1
37.5°	18111.9	18111.9	17499.3	15677.1	13760.7	12346.9	12189.8	13289.4	14263.3	15677.1	18457.5
40°	19258.7	19305.8	18221.9	16226.9	14451.8	13320.8	13273.7	14169.1	14797.4	16117.0	19572.8
42.5°	20106.9	20138.3	18850.2	16431.1	15253.0	14671.8	14876.0	15582.9	15410.1	16509.7	19651.4
45°	20688.1	20531.0	19290.1	17012.3	16132.7	16698.2	16761.0	16965.2	16211.2	16745.3	19965.5
47.5°	20970.9	20939.5	19478.6	17687.8	17986.3	18756.0	19117.3	18834.5	16949.5	16494.0	19965.5
50°	21253.6	20986.6	19651.4	18614.6	19792.7	21347.9	21269.4	20751.0	17970.6	16808.1	19667.1
52.5°	21442.1	21206.5	19997.0	19447.2	21520.7	23280.0	23594.2	22636.0	19164.4	17389.3	19808.5
55°	22117.6	21929.1	21033.7	20578.2	23515.7	25322.2	25369.3	24034.1	20421.1	18347.6	20735.3
57.5°	22934.5	23044.4	22463.2	22180.4	25039.4	26814.5	26641.7	25070.8	21489.3	19510.0	21803.4
60°	23515.7	23688.5	23547.1	23578.5	25793.4	27317.1	26924.4	25714.9	22274.7	20389.7	23107.2
62.5°	23201.5	23547.1	24128.3	24002.6	25824.8	26955.8	26406.0	24866.6	22368.9	21536.4	24096.9
65°	22337.5	22368.9	23500.0	24191.1	24411.1	25086.5	24363.9	23091.5	21395.0	22243.3	23955.5
67.5°	20122.6	20374.0	21395.0	22746.0	21819.1	21976.2	21913.4	20075.5	19918.4	21756.3	22871.6
70°	17766.3	17939.1	19054.4	20641.0	18426.1	17687.8	17829.2	16462.5	17106.6	20248.3	20688.1
72.5°	14687.5	14797.4	16069.8	17467.9	14781.7	13462.2	13792.1	12676.8	13587.9	17719.2	17452.2
75°	11090.2	11294.4	12284.1	13933.5	10886.0	10037.8	10367.6	9912.1	10760.3	14593.2	13540.8
77.5°	7885.7	7728.6	8953.9	10901.7	8184.1	7681.5	7712.9	7791.4	8702.5	12299.8	9723.6
80°	5372.3	5419.4	6519.0	7995.6	6424.8	6346.2	6267.7	6896.0	7304.5	9739.3	7068.8
82.5°	3188.8	3188.8	4398.4	5686.5	5073.9	5717.9	5356.6	5922.1	5717.9	7163.1	4634.0
85°	1492.3	1492.3	2262.0	4099.9	3927.1	4712.6	4005.7	4476.9	4225.6	4995.3	2089.2
87.5°	251.3	219.9	455.5	2010.7	1618.0	1837.9	722.6	2387.7	2654.7	3487.3	518.4
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°	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1
2.5°	11671.4	11561.5	11341.6	11058.8	10823.2	10524.7	10430.5	10226.3	9943.5	9912.1	9786.4
5°	10996.0	10619.0	10147.7	9566.5	9173.8	8765.4	8419.8	8215.6	7979.9	7948.5	7885.7
7.5°	10257.7	9786.4	9001.0	8309.8	7634.3	6990.3	6676.1	6283.4	6016.4	5812.2	5717.9
10°	9566.5	9126.7	8152.7	7210.2	6613.3	6189.2	5812.2	5403.7	5073.9	4822.5	4728.3
12.5°	9110.9	8592.6	7540.1	6644.7	6204.9	5717.9	5293.8	4853.9	4429.8	4099.9	3927.1
15°	8906.7	8419.8	7351.6	6362.0	5717.9	5042.4	4555.5	4115.6	3597.3	3361.6	3283.1
17.5°	9393.7	8671.1	7288.8	6032.1	5121.0	4351.3	3754.3	3283.1	2906.1	2670.5	2576.2
20°	10022.0	9126.7	7398.7	5639.4	4555.5	3691.5	3031.7	2529.1	2277.7	2104.9	2089.2
22.5°	10823.2	9802.1	7571.5	5356.6	3927.1	2968.9	2372.0	2073.5	1900.7	1885.0	1853.6
25°	12252.7	11027.4	7854.3	4979.6	3424.5	2450.5	2026.4	1853.6	1775.1	1727.9	1759.4
27.5°	13477.9	11828.5	8058.5	4744.0	3220.2	2309.2	1963.6	1775.1	1696.5	1680.8	1696.5
30°	14200.5	12566.8	7995.6	4304.1	2811.8	2199.2	2089.2	2026.4	1869.3	1743.6	1743.6
32.5°	14860.3	13038.1	7979.9	3911.4	2403.4	1837.9	1743.6	1696.5	1790.8	1853.6	1806.5
35°	15771.4	13776.4	7932.8	3691.5	2230.6	1696.5	1539.4	1413.8	1350.9	1319.5	1366.6
37.5°	16745.3	14279.1	7807.1	3660.1	2136.4	1618.0	1492.3	1366.6	1303.8	1272.4	1256.7
40°	17813.5	14813.1	7665.8	3503.0	2089.2	1570.9	1445.2	1335.2	1256.7	1209.6	1193.8
42.5°	18504.6	15237.3	7524.4	3424.5	1995.0	1539.4	1398.1	1303.8	1225.3	1162.4	1162.4
45°	18897.4	15739.9	7383.0	3345.9	1885.0	1555.1	1398.1	1272.4	1178.1	1146.7	1115.3
47.5°	19070.2	16117.0	7335.9	3220.2	1790.8	1492.3	1366.6	1241.0	1146.7	1083.9	1068.2
50°	19525.7	16918.1	7508.7	3126.0	1680.8	1429.5	1445.2	1225.3	1131.0	1052.5	1036.8
52.5°	19792.7	17562.1	7885.7	2984.6	1602.3	1350.9	1413.8	1193.8	1083.9	1005.3	1005.3
55°	20766.7	18630.3	8294.1	2874.7	1508.0	1241.0	1303.8	1131.0	1005.3	958.2	958.2
57.5°	22007.7	19761.3	8639.7	2827.5	1445.2	1162.4	1162.4	1099.6	958.2	895.4	879.7
60°	22871.6	20688.1	8843.9	2796.1	1382.4	1083.9	1036.8	1099.6	911.1	848.3	832.6
62.5°	22965.9	20154.0	8639.7	2780.4	1366.6	1005.3	942.5	1052.5	864.0	801.1	769.7
65°	22368.9	19070.2	8074.2	2717.6	1350.9	926.8	879.7	911.1	801.1	754.0	722.6
67.5°	21175.1	17310.8	7257.3	2686.2	1335.2	864.0	801.1	785.4	738.3	691.2	659.8
70°	18394.7	15017.4	6299.1	2544.8	1303.8	816.8	722.6	706.9	659.8	628.3	612.6
72.5°	15441.5	12284.1	5199.5	2356.3	1241.0	738.3	659.8	628.3	612.6	565.5	549.8
75°	11828.5	9456.5	4162.8	2089.2	1083.9	659.8	581.2	549.8	534.1	502.7	487.0
77.5°	8309.8	7037.4	3078.9	1696.5	911.1	596.9	518.4	487.0	471.3	424.1	424.1
80°	5639.4	4932.5	2089.2	1178.1	706.9	487.0	455.5	424.1	392.7	361.3	361.3
82.5°	3503.0	3455.9	1508.0	769.7	518.4	392.7	361.3	361.3	314.2	282.8	282.8
85°	1602.3	2120.7	1052.5	534.1	392.7	298.5	298.5	282.8	251.3	204.2	204.2
87.5°	502.7	706.9	549.8	235.6	219.9	172.8	172.8	157.1	157.1	125.7	125.7
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°	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1
2.5°	9912.1	9896.4	9896.4	9833.5	9990.6	9990.6	10084.9	10006.3	10053.5	10069.2	10194.8
5°	7870.0	7995.6	8089.9	8278.4	8388.4	8435.5	8435.5	8561.1	8514.0	8608.3	8796.8
7.5°	5765.0	5922.1	6204.9	6440.5	6629.0	6691.8	6676.1	6707.5	6754.7	6644.7	6676.1
10°	4665.4	4555.5	4649.7	4869.6	5042.4	5246.6	5089.6	5073.9	5121.0	5073.9	5168.1
12.5°	3895.7	3770.0	3691.5	3691.5	3817.2	3911.4	3864.3	3942.8	4115.6	4162.8	4272.7
15°	3157.4	3047.5	2984.6	2906.1	3031.7	3063.2	3110.3	3220.2	3345.9	3408.8	3534.4
17.5°	2529.1	2529.1	2529.1	2466.2	2513.4	2560.5	2576.2	2717.6	2733.3	2796.1	2843.2
20°	2073.5	2120.7	2199.2	2230.6	2277.7	2277.7	2246.3	2324.9	2262.0	2309.2	2340.6
22.5°	1869.3	1932.1	1963.6	1979.3	2042.1	2057.8	1979.3	1995.0	2010.7	1963.6	1979.3
25°	1759.4	1790.8	1759.4	1775.1	1790.8	1759.4	1775.1	1806.5	1790.8	1822.2	1806.5
27.5°	1712.2	1680.8	1665.1	1649.4	1649.4	1618.0	1633.7	1633.7	1665.1	1680.8	1680.8
30°	1712.2	1665.1	1602.3	1555.1	1555.1	1508.0	1539.4	1570.9	1586.6	1618.0	1618.0
32.5°	1759.4	1665.1	1555.1	1508.0	1460.9	1429.5	1460.9	1508.0	1570.9	1586.6	1602.3
35°	1398.1	1445.2	1429.5	1366.6	1350.9	1350.9	1335.2	1335.2	1288.1	1288.1	1272.4
37.5°	1256.7	1241.0	1272.4	1288.1	1303.8	1256.7	1256.7	1193.8	1178.1	1193.8	1193.8
40°	1178.1	1178.1	1178.1	1225.3	1241.0	1209.6	1162.4	1131.0	1131.0	1131.0	1146.7
42.5°	1146.7	1115.3	1099.6	1131.0	1178.1	1146.7	1099.6	1083.9	1083.9	1099.6	1099.6
45°	1099.6	1083.9	1068.2	1052.5	1115.3	1068.2	1052.5	1036.8	1036.8	1036.8	1052.5
47.5°	1052.5	1036.8	1005.3	1005.3	1021.1	1005.3	989.6	989.6	989.6	1021.1	1021.1
50°	1021.1	1005.3	973.9	973.9	973.9	973.9	958.2	958.2	958.2	973.9	989.6
52.5°	973.9	958.2	942.5	926.8	926.8	926.8	926.8	926.8	926.8	942.5	958.2
55°	926.8	911.1	895.4	895.4	911.1	911.1	895.4	911.1	895.4	911.1	926.8
57.5°	879.7	864.0	848.3	864.0	879.7	864.0	864.0	864.0	864.0	864.0	879.7
60°	816.8	816.8	816.8	816.8	848.3	848.3	848.3	848.3	816.8	832.6	848.3
62.5°	785.4	769.7	769.7	785.4	801.1	801.1	816.8	801.1	785.4	801.1	801.1
65°	722.6	722.6	722.6	738.3	738.3	754.0	754.0	754.0	738.3	754.0	754.0
67.5°	675.5	675.5	675.5	675.5	706.9	706.9	706.9	706.9	691.2	691.2	706.9
70°	596.9	612.6	596.9	628.3	659.8	644.0	659.8	659.8	644.0	628.3	659.8
72.5°	549.8	549.8	549.8	549.8	596.9	596.9	596.9	612.6	596.9	581.2	596.9
75°	487.0	487.0	487.0	502.7	534.1	534.1	534.1	534.1	534.1	518.4	518.4
77.5°	424.1	439.8	424.1	439.8	471.3	455.5	471.3	487.0	471.3	455.5	455.5
80°	361.3	361.3	361.3	377.0	392.7	392.7	392.7	408.4	392.7	377.0	377.0
82.5°	282.8	282.8	298.5	298.5	314.2	314.2	314.2	329.9	314.2	298.5	298.5
85°	219.9	219.9	219.9	235.6	235.6	251.3	251.3	267.0	267.0	251.3	251.3
87.5°	141.4	125.7	141.4	141.4	157.1	157.1	141.4	125.7	141.4	125.7	110.0
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: P599048  
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1	11310.1
2.5°	10320.5	10603.3	10807.5	10948.8	11153.1	11545.8	11702.9	11985.6	12064.2	12111.3
5°	8875.3	9173.8	9613.6	9927.8	10289.1	11027.4	11592.9	12017.0	12205.5	12378.3
7.5°	6958.9	7351.6	7807.1	8215.6	8812.5	9723.6	10461.9	11341.6	11671.4	11844.2
10°	5435.2	5796.4	6299.1	6801.8	7634.3	8404.1	9456.5	10257.7	10713.2	10838.9
12.5°	4586.9	5011.0	5607.9	6220.6	6739.0	7618.6	8686.8	9849.2	10273.4	10351.9
15°	3895.7	4476.9	5089.6	5717.9	6314.8	7084.5	8231.3	9645.0	10273.4	10351.9
17.5°	3220.2	3738.6	4461.2	5136.7	5827.9	6880.3	8309.8	9817.8	10446.2	10681.8
20°	2560.5	3063.2	3628.7	4476.9	5419.4	6534.7	8482.6	10399.0	11231.6	11482.9
22.5°	2120.7	2340.6	2890.4	3707.2	4822.5	6299.1	8655.4	11310.1	12189.8	12284.1
25°	1853.6	2010.7	2356.3	3126.0	4351.3	6142.0	9063.8	12362.6	13493.6	13493.6
27.5°	1727.9	1790.8	2026.4	2717.6	4021.4	6000.7	9472.2	13525.0	14577.5	14797.4
30°	1696.5	1853.6	1979.3	2419.1	3660.1	5607.9	9849.2	14436.1	15520.0	15535.7
32.5°	1665.1	1633.7	1727.9	2104.9	3220.2	5199.5	10163.4	15362.9	16211.2	16258.3
35°	1303.8	1366.6	1523.7	1853.6	2890.4	4901.1	10320.5	15865.6	17090.9	17138.0
37.5°	1225.3	1303.8	1429.5	1712.2	2670.5	4649.7	10367.6	16839.5	18017.7	18111.9
40°	1193.8	1256.7	1350.9	1586.6	2497.7	4335.6	10461.9	17844.9	19384.3	19258.7
42.5°	1131.0	1209.6	1303.8	1523.7	2356.3	4099.9	10477.6	18394.7	20106.9	20106.9
45°	1115.3	1162.4	1272.4	1523.7	2199.2	3895.7	10226.3	18944.5	20939.5	20688.1
47.5°	1052.5	1146.7	1241.0	1476.6	2010.7	3691.5	9927.8	19227.2	21049.4	20970.9
50°	1036.8	1131.0	1288.1	1398.1	1900.7	3597.3	9865.0	19934.1	21269.4	21253.6
52.5°	1005.3	1099.6	1335.2	1335.2	1759.4	3471.6	10163.4	20248.3	21316.5	21442.1
55°	958.2	1099.6	1241.0	1225.3	1633.7	3314.5	10493.3	21065.1	22149.0	22117.6
57.5°	926.8	1068.2	1178.1	1115.3	1492.3	3204.5	10980.3	21850.6	23154.4	22934.5
60°	879.7	1068.2	1052.5	1036.8	1382.4	3110.3	11388.7	22007.7	23374.3	23515.7
62.5°	848.3	1115.3	926.8	958.2	1288.1	3063.2	11215.9	20829.5	23075.8	23201.5
65°	816.8	958.2	848.3	879.7	1256.7	2968.9	10540.4	19415.7	21787.7	22337.5
67.5°	754.0	785.4	785.4	816.8	1225.3	2749.0	9158.1	16871.0	19824.2	20122.6
70°	691.2	706.9	706.9	754.0	1193.8	2497.7	7555.8	14593.2	17200.8	17766.3
72.5°	628.3	628.3	628.3	691.2	1099.6	2293.4	6220.6	11215.9	14294.8	14687.5
75°	549.8	549.8	549.8	612.6	989.6	2089.2	4901.1	8341.2	10524.7	11090.2
77.5°	487.0	487.0	471.3	549.8	864.0	1696.5	3534.4	5890.7	7414.4	7885.7
80°	408.4	392.7	392.7	439.8	675.5	1225.3	2277.7	4162.8	5168.1	5372.3
82.5°	329.9	314.2	298.5	329.9	487.0	769.7	1413.8	2906.1	3314.5	3188.8
85°	314.2	329.9	267.0	251.3	345.6	502.7	895.4	1790.8	1492.3	1492.3
87.5°	125.7	110.0	110.0	94.3	172.8	188.5	392.7	329.9	251.3	251.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)