

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: P598903

Luminaire Tested: **IFLD-L-SA8B-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: P598903
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

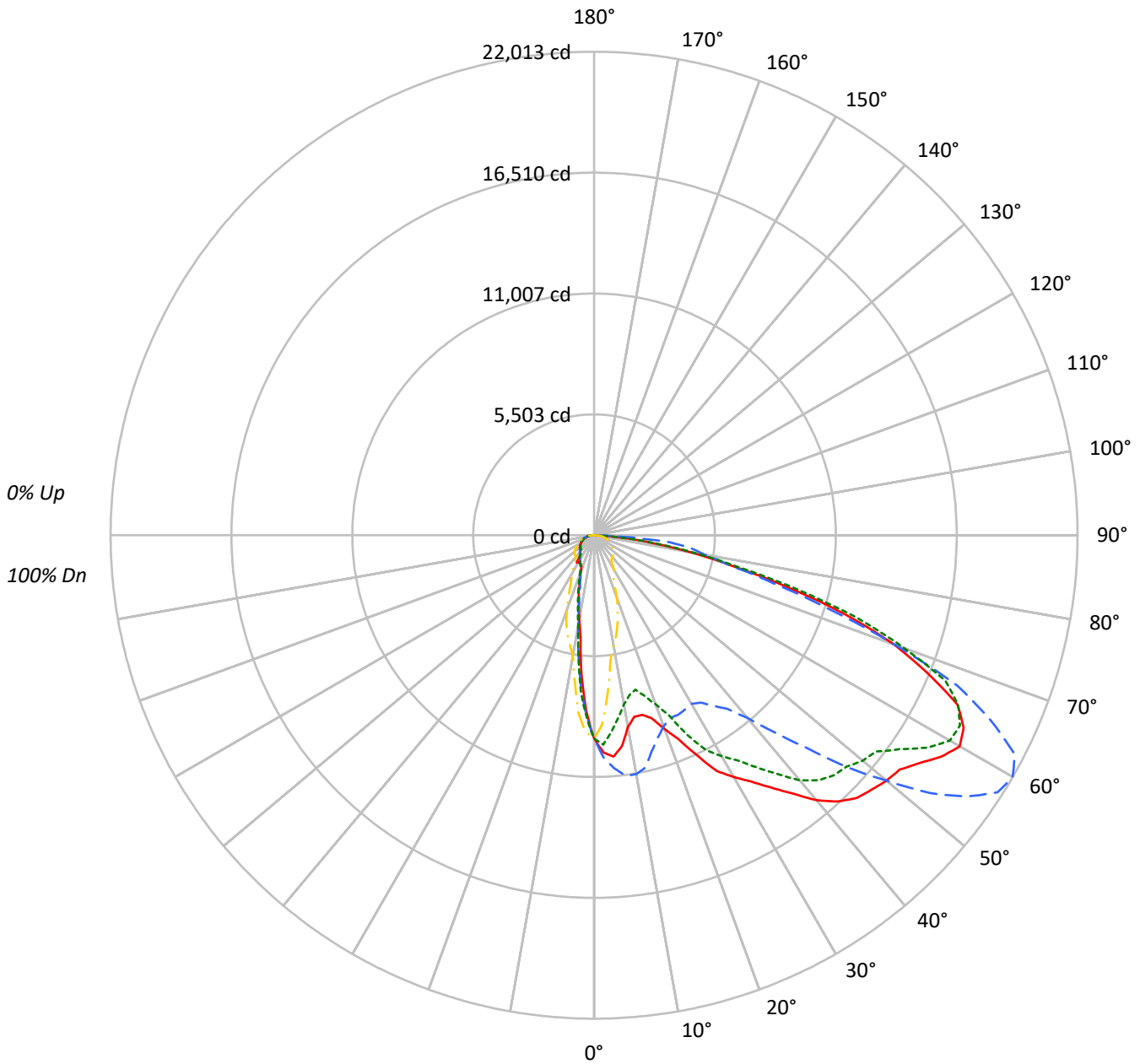
Lumens per Lamp: N/A
 Luminaire Lumens: 28951.4 lumens
 Efficiency: N/A
 Efficacy: 90.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P598903
CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

TEST NUMBER: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	28	22	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49766	49766	49766	49766
5°	54675	48569	34831	38022
10°	48428	42744	21126	22670
15°	47157	40573	14956	15528
20°	53770	46929	9783	10813
25°	65512	59487	8542	8847
30°	78935	72151	8859	8221
35°	92058	84718	7341	6919
40°	110622	102321	6858	6497
45°	128738	117594	6940	6451
50°	145491	133662	7097	6667
55°	169675	159311	7351	6990
60°	206946	201278	7327	7327
65°	232572	232898	7524	7851
70°	228569	236652	7882	8083
75°	188544	201095	8278	8813
80°	136133	142898	9155	9552
85°	75342	80894	10312	12690

TEST NUMBER: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.4	2.5
10°-20°	1516.7	5.2
20°-30°	2219.1	7.7
30°-40°	3126.6	10.8
40°-50°	4296.9	14.8
50°-60°	5856.1	20.2
60°-70°	6409.3	22.1
70°-80°	3700.3	12.8
80°-90°	1108.1	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°	4454.2	15.4
0°-40°	7580.8	26.2
0°-60°	17733.7	61.3
0°-90°	28951.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28951.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9247	9247	9247	9247	9247	
5°	10120	8990	6447	7038	10120	919
15°	8464	7282	2684	2787	8464	2473
25°	11032	10018	1438	1490	11032	5166
35°	14012	12894	1117	1053	14012	8885
45°	16914	15450	912	848	16914	13000
55°	18083	16978	783	745	18083	16316
65°	18263	18288	591	616	18263	17479
75°	9067	9671	398	424	9067	9740
85°	1220	1310	167	206	1220	1693
90°	0	0	0	0	0	

TEST NUMBER: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9
2.5°	9901.9	9863.4	9901.9	10043.2	10081.7	10145.9	10145.9	10056.0	9889.1	9812.0	9683.6
5°	10120.2	10056.0	10377.1	10672.5	10903.7	10878.0	10659.6	10479.8	10145.9	9645.0	9169.9
7.5°	9683.6	9747.8	9979.0	10749.5	11288.9	11391.7	11044.9	10685.3	9966.1	9272.6	8630.5
10°	8861.6	8951.5	9452.4	10248.7	11096.3	11263.3	11044.9	10608.3	9747.8	8887.3	8142.4
12.5°	8463.5	8669.0	8964.4	9927.6	10531.2	10929.3	10826.6	10544.1	9580.8	8566.2	7847.0
15°	8463.5	8514.9	8951.5	9760.6	10107.4	10120.2	10158.8	10210.1	9632.2	8707.5	7744.3
17.5°	8733.2	8874.5	9246.9	9747.8	9812.0	9657.9	9657.9	9876.2	9734.9	9105.6	8116.7
20°	9388.2	9336.8	9824.8	10030.3	9683.6	9298.3	9259.8	9632.2	9850.5	9529.5	8797.4
22.5°	10043.2	10274.4	10672.5	10210.1	9568.0	9054.3	9002.9	9465.2	10197.3	10261.5	9580.8
25°	11032.1	11263.3	11468.7	10903.7	9555.1	8990.1	9028.6	9388.2	10621.1	11301.8	10890.8
27.5°	12098.1	12239.3	12534.7	11661.4	9863.4	8913.0	8951.5	9490.9	11019.2	11982.5	11918.2
30°	12701.7	12855.8	12791.6	11802.7	10068.9	8964.4	8861.6	9632.2	10800.9	11982.5	12586.1
32.5°	13292.4	13202.5	13164.0	12033.8	10325.7	9285.4	9028.6	9927.6	10929.3	12175.1	13446.6
35°	14011.6	13883.2	13780.5	12483.3	10749.5	9593.7	9478.1	10312.9	11211.9	12573.2	14140.1
37.5°	14807.9	14807.9	14307.0	12817.3	11250.4	10094.6	9966.1	10865.1	11661.4	12817.3	15090.5
40°	15745.4	15784.0	14897.8	13266.8	11815.5	10890.8	10852.3	11584.3	12098.1	13176.9	16002.3
42.5°	16439.0	16464.6	15411.5	13433.7	12470.5	11995.3	12162.3	12740.2	12598.9	13497.9	16066.5
45°	16914.2	16785.7	15771.1	13908.9	13189.7	13652.0	13703.4	13870.4	13253.9	13690.6	16323.4
47.5°	17145.3	17119.6	15925.2	14461.2	14705.2	15334.5	15629.9	15398.7	13857.5	13485.1	16323.4
50°	17376.5	17158.2	16066.5	15218.9	16182.1	17453.6	17389.3	16965.5	14692.3	13741.9	16079.4
52.5°	17530.6	17338.0	16349.1	15899.6	17594.8	19033.2	19290.1	18506.7	15668.4	14217.1	16194.9
55°	18082.9	17928.7	17196.7	16824.3	19225.9	20702.8	20741.3	19649.7	16695.8	15000.6	16952.7
57.5°	18750.7	18840.6	18365.4	18134.2	20471.6	21922.9	21781.6	20497.3	17569.1	15950.9	17826.0
60°	19225.9	19367.2	19251.6	19277.3	21088.1	22333.9	22012.8	21023.9	18211.3	16670.1	18892.0
62.5°	18969.0	19251.6	19726.8	19624.0	21113.8	22038.5	21589.0	20330.4	18288.3	17607.7	19701.1
65°	18262.7	18288.3	19213.0	19778.1	19957.9	20510.2	19919.4	18879.1	17492.1	18185.6	19585.5
67.5°	16451.8	16657.3	17492.1	18596.6	17838.8	17967.3	17915.9	16413.3	16284.8	17787.5	18699.3
70°	14525.4	14666.6	15578.5	16875.6	15064.8	14461.2	14576.7	13459.4	13986.0	16554.6	16914.2
72.5°	12008.1	12098.1	13138.3	14281.4	12085.2	11006.4	11276.1	10364.3	11109.1	14486.8	14268.5
75°	9067.1	9234.1	10043.2	11391.7	8900.2	8206.6	8476.3	8103.9	8797.4	11931.1	11070.6
77.5°	6447.2	6318.7	7320.5	8913.0	6691.2	6280.2	6305.9	6370.1	7115.0	10056.0	7949.8
80°	4392.3	4430.8	5329.8	6537.1	5252.8	5188.5	5124.3	5638.1	5972.0	7962.6	5779.3
82.5°	2607.1	2607.1	3596.0	4649.1	4148.3	4674.8	4379.4	4841.8	4674.8	5856.4	3788.7
85°	1220.1	1220.1	1849.4	3352.0	3210.7	3852.9	3274.9	3660.2	3454.8	4084.1	1708.1
87.5°	205.5	179.8	372.4	1643.9	1322.8	1502.6	590.8	1952.1	2170.5	2851.1	423.8
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: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9
2.5°	9542.3	9452.4	9272.6	9041.4	8848.8	8604.8	8527.7	8360.8	8129.6	8103.9	8001.2
5°	8990.1	8681.8	8296.5	7821.4	7500.3	7166.4	6883.8	6716.9	6524.2	6498.5	6447.2
7.5°	8386.4	8001.2	7359.0	6793.9	6241.7	5715.1	5458.2	5137.2	4918.8	4751.9	4674.8
10°	7821.4	7461.7	6665.5	5894.9	5406.9	5060.1	4751.9	4418.0	4148.3	3942.8	3865.7
12.5°	7448.9	7025.1	6164.6	5432.6	5073.0	4674.8	4328.1	3968.5	3621.7	3352.0	3210.7
15°	7281.9	6883.8	6010.5	5201.4	4674.8	4122.6	3724.5	3364.9	2941.0	2748.4	2684.2
17.5°	7680.1	7089.3	5959.1	4931.7	4186.8	3557.5	3069.5	2684.2	2375.9	2183.3	2106.2
20°	8193.8	7461.7	6049.0	4610.6	3724.5	3018.1	2478.7	2067.7	1862.2	1721.0	1708.1
22.5°	8848.8	8014.0	6190.3	4379.4	3210.7	2427.3	1939.3	1695.3	1554.0	1541.2	1515.5
25°	10017.5	9015.7	6421.5	4071.2	2799.8	2003.5	1656.7	1515.5	1451.3	1412.7	1438.4
27.5°	11019.2	9670.7	6588.4	3878.6	2632.8	1887.9	1605.4	1451.3	1387.0	1374.2	1387.0
30°	11610.0	10274.4	6537.1	3519.0	2298.9	1798.0	1708.1	1656.7	1528.3	1425.6	1425.6
32.5°	12149.4	10659.6	6524.2	3197.9	1965.0	1502.6	1425.6	1387.0	1464.1	1515.5	1476.9
35°	12894.3	11263.3	6485.7	3018.1	1823.7	1387.0	1258.6	1155.9	1104.5	1078.8	1117.3
37.5°	13690.6	11674.2	6382.9	2992.4	1746.6	1322.8	1220.1	1117.3	1066.0	1040.3	1027.4
40°	14563.9	12110.9	6267.4	2864.0	1708.1	1284.3	1181.6	1091.6	1027.4	988.9	976.1
42.5°	15129.0	12457.7	6151.8	2799.8	1631.1	1258.6	1143.0	1066.0	1001.7	950.4	950.4
45°	15450.1	12868.6	6036.2	2735.5	1541.2	1271.5	1143.0	1040.3	963.2	937.5	911.8
47.5°	15591.3	13176.9	5997.7	2632.8	1464.1	1220.1	1117.3	1014.6	937.5	886.2	873.3
50°	15963.8	13831.8	6138.9	2555.7	1374.2	1168.7	1181.6	1001.7	924.7	860.5	847.6
52.5°	16182.1	14358.4	6447.2	2440.2	1310.0	1104.5	1155.9	976.1	886.2	821.9	821.9
55°	16978.4	15231.7	6781.1	2350.3	1232.9	1014.6	1066.0	924.7	821.9	783.4	783.4
57.5°	17993.0	16156.4	7063.6	2311.7	1181.6	950.4	950.4	899.0	783.4	732.0	719.2
60°	18699.3	16914.2	7230.6	2286.0	1130.2	886.2	847.6	899.0	744.9	693.5	680.7
62.5°	18776.4	16477.5	7063.6	2273.2	1117.3	821.9	770.6	860.5	706.4	655.0	629.3
65°	18288.3	15591.3	6601.3	2221.8	1104.5	757.7	719.2	744.9	655.0	616.5	590.8
67.5°	17312.3	14152.9	5933.4	2196.1	1091.6	706.4	655.0	642.1	603.6	565.1	539.4
70°	15039.1	12277.9	5150.0	2080.6	1066.0	667.8	590.8	577.9	539.4	513.7	500.9
72.5°	12624.6	10043.2	4251.0	1926.4	1014.6	603.6	539.4	513.7	500.9	462.3	449.5
75°	9670.7	7731.5	3403.4	1708.1	886.2	539.4	475.2	449.5	436.7	411.0	398.1
77.5°	6793.9	5753.6	2517.2	1387.0	744.9	488.0	423.8	398.1	385.3	346.8	346.8
80°	4610.6	4032.7	1708.1	963.2	577.9	398.1	372.4	346.8	321.1	295.4	295.4
82.5°	2864.0	2825.4	1232.9	629.3	423.8	321.1	295.4	295.4	256.9	231.2	231.2
85°	1310.0	1733.8	860.5	436.7	321.1	244.0	244.0	231.2	205.5	167.0	167.0
87.5°	411.0	577.9	449.5	192.6	179.8	141.3	141.3	128.4	128.4	102.7	102.7
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: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9
2.5°	8103.9	8091.1	8091.1	8039.7	8168.1	8168.1	8245.2	8181.0	8219.5	8232.3	8335.1
5°	6434.3	6537.1	6614.1	6768.2	6858.1	6896.7	6896.7	6999.4	6960.9	7037.9	7192.0
7.5°	4713.4	4841.8	5073.0	5265.6	5419.7	5471.1	5458.2	5483.9	5522.5	5432.6	5458.2
10°	3814.4	3724.5	3801.5	3981.3	4122.6	4289.5	4161.1	4148.3	4186.8	4148.3	4225.3
12.5°	3185.0	3082.3	3018.1	3018.1	3120.8	3197.9	3159.4	3223.6	3364.9	3403.4	3493.3
15°	2581.4	2491.5	2440.2	2375.9	2478.7	2504.4	2542.9	2632.8	2735.5	2786.9	2889.7
17.5°	2067.7	2067.7	2067.7	2016.3	2054.9	2093.4	2106.2	2221.8	2234.7	2286.0	2324.6
20°	1695.3	1733.8	1798.0	1823.7	1862.2	1862.2	1836.5	1900.8	1849.4	1887.9	1913.6
22.5°	1528.3	1579.7	1605.4	1618.2	1669.6	1682.4	1618.2	1631.1	1643.9	1605.4	1618.2
25°	1438.4	1464.1	1438.4	1451.3	1464.1	1438.4	1451.3	1476.9	1464.1	1489.8	1476.9
27.5°	1399.9	1374.2	1361.4	1348.5	1348.5	1322.8	1335.7	1335.7	1361.4	1374.2	1374.2
30°	1399.9	1361.4	1310.0	1271.5	1271.5	1232.9	1258.6	1284.3	1297.1	1322.8	1322.8
32.5°	1438.4	1361.4	1271.5	1232.9	1194.4	1168.7	1194.4	1232.9	1284.3	1297.1	1310.0
35°	1143.0	1181.6	1168.7	1117.3	1104.5	1104.5	1091.6	1091.6	1053.1	1053.1	1040.3
37.5°	1027.4	1014.6	1040.3	1053.1	1066.0	1027.4	1027.4	976.1	963.2	976.1	976.1
40°	963.2	963.2	963.2	1001.7	1014.6	988.9	950.4	924.7	924.7	924.7	937.5
42.5°	937.5	911.8	899.0	924.7	963.2	937.5	899.0	886.2	886.2	899.0	899.0
45°	899.0	886.2	873.3	860.5	911.8	873.3	860.5	847.6	847.6	847.6	860.5
47.5°	860.5	847.6	821.9	821.9	834.8	821.9	809.1	809.1	809.1	834.8	834.8
50°	834.8	821.9	796.3	796.3	796.3	796.3	783.4	783.4	783.4	796.3	809.1
52.5°	796.3	783.4	770.6	757.7	757.7	757.7	757.7	757.7	757.7	770.6	783.4
55°	757.7	744.9	732.0	732.0	744.9	744.9	732.0	744.9	732.0	744.9	757.7
57.5°	719.2	706.4	693.5	706.4	719.2	706.4	706.4	706.4	706.4	706.4	719.2
60°	667.8	667.8	667.8	667.8	693.5	693.5	693.5	693.5	667.8	680.7	693.5
62.5°	642.1	629.3	629.3	642.1	655.0	655.0	667.8	655.0	642.1	655.0	655.0
65°	590.8	590.8	590.8	603.6	603.6	616.5	616.5	616.5	603.6	616.5	616.5
67.5°	552.2	552.2	552.2	552.2	577.9	577.9	577.9	577.9	565.1	565.1	577.9
70°	488.0	500.9	488.0	513.7	539.4	526.6	539.4	539.4	526.6	513.7	539.4
72.5°	449.5	449.5	449.5	449.5	488.0	488.0	488.0	500.9	488.0	475.2	488.0
75°	398.1	398.1	398.1	411.0	436.7	436.7	436.7	436.7	436.7	423.8	423.8
77.5°	346.8	359.6	346.8	359.6	385.3	372.4	385.3	398.1	385.3	372.4	372.4
80°	295.4	295.4	295.4	308.2	321.1	321.1	321.1	333.9	321.1	308.2	308.2
82.5°	231.2	231.2	244.0	244.0	256.9	256.9	256.9	269.7	256.9	244.0	244.0
85°	179.8	179.8	179.8	192.6	192.6	205.5	205.5	218.3	218.3	205.5	205.5
87.5°	115.6	102.7	115.6	115.6	128.4	128.4	115.6	102.7	115.6	102.7	89.9
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: P598903
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9	9246.9
2.5°	8437.8	8669.0	8835.9	8951.5	9118.5	9439.6	9568.0	9799.2	9863.4	9901.9
5°	7256.3	7500.3	7859.9	8116.7	8412.1	9015.7	9478.1	9824.8	9979.0	10120.2
7.5°	5689.4	6010.5	6382.9	6716.9	7204.9	7949.8	8553.4	9272.6	9542.3	9683.6
10°	4443.7	4739.0	5150.0	5561.0	6241.7	6871.0	7731.5	8386.4	8758.9	8861.6
12.5°	3750.1	4096.9	4584.9	5085.8	5509.6	6228.8	7102.1	8052.5	8399.3	8463.5
15°	3185.0	3660.2	4161.1	4674.8	5162.9	5792.2	6729.7	7885.6	8399.3	8463.5
17.5°	2632.8	3056.6	3647.4	4199.6	4764.7	5625.2	6793.9	8026.8	8540.6	8733.2
20°	2093.4	2504.4	2966.7	3660.2	4430.8	5342.7	6935.2	8502.0	9182.7	9388.2
22.5°	1733.8	1913.6	2363.1	3030.9	3942.8	5150.0	7076.5	9246.9	9966.1	10043.2
25°	1515.5	1643.9	1926.4	2555.7	3557.5	5021.6	7410.4	10107.4	11032.1	11032.1
27.5°	1412.7	1464.1	1656.7	2221.8	3287.8	4906.0	7744.3	11057.8	11918.2	12098.1
30°	1387.0	1515.5	1618.2	1977.8	2992.4	4584.9	8052.5	11802.7	12688.8	12701.7
32.5°	1361.4	1335.7	1412.7	1721.0	2632.8	4251.0	8309.4	12560.4	13253.9	13292.4
35°	1066.0	1117.3	1245.8	1515.5	2363.1	4007.0	8437.8	12971.4	13973.1	14011.6
37.5°	1001.7	1066.0	1168.7	1399.9	2183.3	3801.5	8476.3	13767.6	14730.9	14807.9
40°	976.1	1027.4	1104.5	1297.1	2042.0	3544.7	8553.4	14589.6	15848.2	15745.4
42.5°	924.7	988.9	1066.0	1245.8	1926.4	3352.0	8566.2	15039.1	16439.0	16439.0
45°	911.8	950.4	1040.3	1245.8	1798.0	3185.0	8360.8	15488.6	17119.6	16914.2
47.5°	860.5	937.5	1014.6	1207.2	1643.9	3018.1	8116.7	15719.8	17209.5	17145.3
50°	847.6	924.7	1053.1	1143.0	1554.0	2941.0	8065.4	16297.7	17389.3	17376.5
52.5°	821.9	899.0	1091.6	1091.6	1438.4	2838.3	8309.4	16554.6	17427.9	17530.6
55°	783.4	899.0	1014.6	1001.7	1335.7	2709.9	8579.1	17222.4	18108.5	18082.9
57.5°	757.7	873.3	963.2	911.8	1220.1	2620.0	8977.2	17864.5	18930.5	18750.7
60°	719.2	873.3	860.5	847.6	1130.2	2542.9	9311.1	17993.0	19110.3	19225.9
62.5°	693.5	911.8	757.7	783.4	1053.1	2504.4	9169.9	17029.7	18866.3	18969.0
65°	667.8	783.4	693.5	719.2	1027.4	2427.3	8617.6	15873.9	17813.2	18262.7
67.5°	616.5	642.1	642.1	667.8	1001.7	2247.5	7487.4	13793.3	16207.8	16451.8
70°	565.1	577.9	577.9	616.5	976.1	2042.0	6177.5	11931.1	14063.0	14525.4
72.5°	513.7	513.7	513.7	565.1	899.0	1875.1	5085.8	9169.9	11687.1	12008.1
75°	449.5	449.5	449.5	500.9	809.1	1708.1	4007.0	6819.6	8604.8	9067.1
77.5°	398.1	398.1	385.3	449.5	706.4	1387.0	2889.7	4816.1	6061.9	6447.2
80°	333.9	321.1	321.1	359.6	552.2	1001.7	1862.2	3403.4	4225.3	4392.3
82.5°	269.7	256.9	244.0	269.7	398.1	629.3	1155.9	2375.9	2709.9	2607.1
85°	256.9	269.7	218.3	205.5	282.5	411.0	732.0	1464.1	1220.1	1220.1
87.5°	102.7	89.9	89.9	77.1	141.3	154.1	321.1	269.7	205.5	205.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)