

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: P598902

Luminaire Tested: **IFLD-L-SA8A-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: P598902
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-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

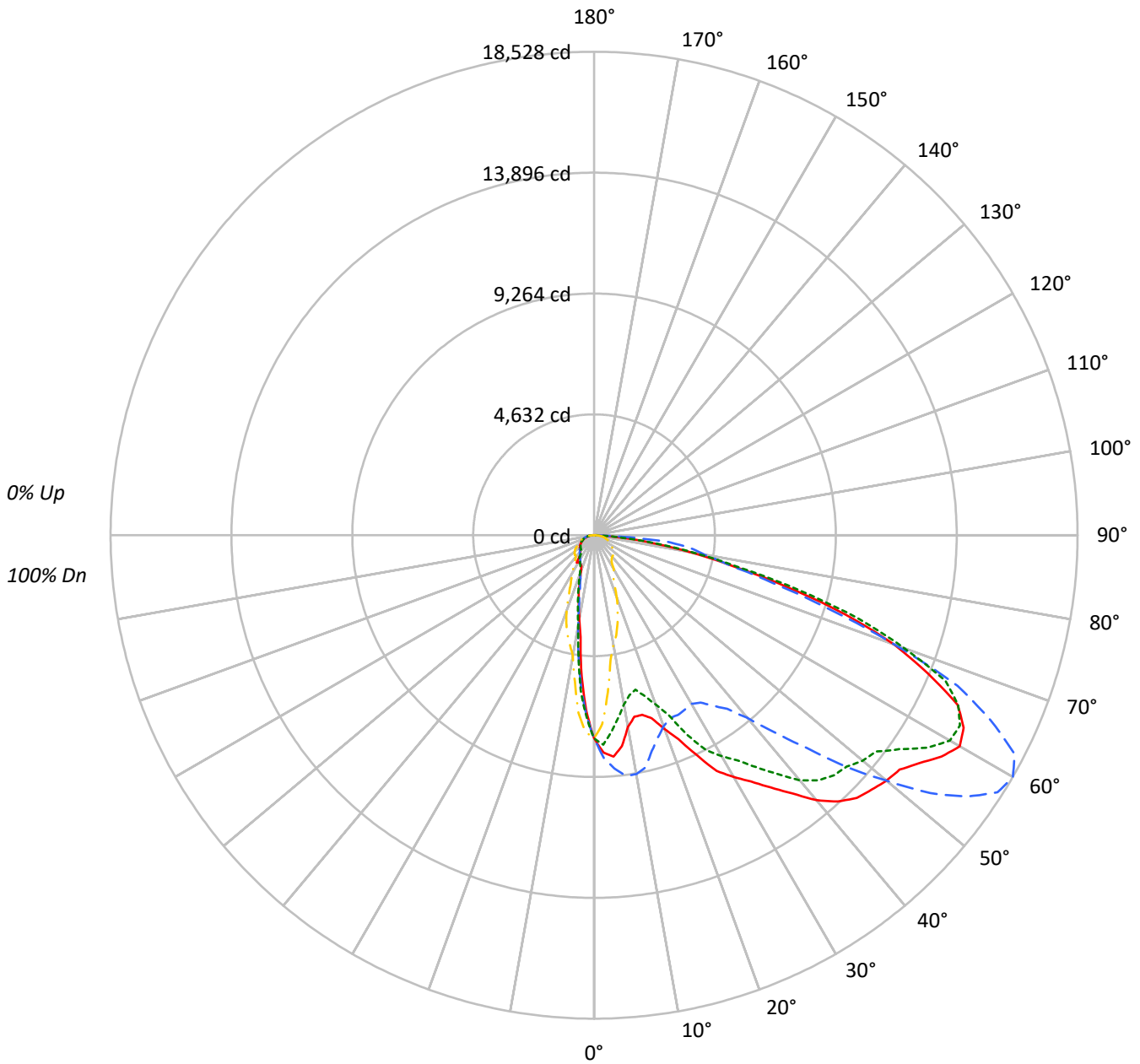
Lumens per Lamp: N/A
 Luminaire Lumens: 24368.5 lumens
 Efficiency: N/A
 Efficacy: 98.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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°	41889	41889	41889	41889
5°	46020	40881	29317	32004
10°	40763	35978	17782	19082
15°	39692	34151	12588	13070
20°	45258	39500	8234	9101
25°	55142	50071	7190	7447
30°	66440	60730	7457	6919
35°	77486	71307	6179	5824
40°	93111	86124	5772	5468
45°	108359	98980	5842	5431
50°	122460	112504	5974	5611
55°	142815	134093	6187	5883
60°	174187	169416	6167	6167
65°	195757	196032	6333	6608
70°	192387	199192	6634	6804
75°	158698	169263	6968	7417
80°	114583	120279	7705	8040
85°	63412	68087	8676	10683

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.7	2.5
10°-20°	1276.6	5.2
20°-30°	1867.8	7.7
30°-40°	2631.7	10.8
40°-50°	3616.7	14.8
50°-60°	4929.1	20.2
60°-70°	5394.7	22.1
70°-80°	3114.6	12.8
80°-90°	932.7	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°	3749.1	15.4
0°-40°	6380.7	26.2
0°-60°	14926.5	61.3
0°-90°	24368.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24368.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7783	7783	7783	7783	7783	
5°	8518	7567	5427	5924	8518	773
15°	7124	6129	2259	2346	7124	2081
25°	9286	8432	1211	1254	9286	4348
35°	11794	10853	940	886	11794	7478
45°	14237	13004	768	714	14237	10942
55°	15220	14291	659	627	15220	13733
65°	15372	15393	497	519	15372	14712
75°	7632	8140	335	357	7632	8198
85°	1027	1103	140	173	1027	1425
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°	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2
2.5°	8334.5	8302.0	8334.5	8453.4	8485.8	8539.9	8539.9	8464.2	8323.7	8258.8	8150.7
5°	8518.2	8464.2	8734.4	8983.1	9177.6	9156.0	8972.3	8820.9	8539.9	8118.3	7718.3
7.5°	8150.7	8204.8	8399.3	9047.9	9501.9	9588.4	9296.6	8993.9	8388.5	7804.8	7264.3
10°	7458.9	7534.5	7956.1	8626.3	9339.8	9480.3	9296.6	8929.0	8204.8	7480.5	6853.5
12.5°	7123.8	7296.7	7545.3	8356.1	8864.2	9199.3	9112.8	8875.0	8064.2	7210.2	6604.9
15°	7123.8	7167.0	7534.5	8215.6	8507.4	8518.2	8550.7	8593.9	8107.5	7329.1	6518.4
17.5°	7350.8	7469.7	7783.2	8204.8	8258.8	8129.1	8129.1	8312.9	8193.9	7664.3	6831.9
20°	7902.1	7858.8	8269.6	8442.6	8150.7	7826.4	7794.0	8107.5	8291.2	8021.0	7404.8
22.5°	8453.4	8648.0	8983.1	8593.9	8053.4	7621.0	7577.8	7966.9	8583.1	8637.2	8064.2
25°	9285.7	9480.3	9653.3	9177.6	8042.6	7567.0	7599.4	7902.1	8939.8	9512.8	9166.8
27.5°	10183.0	10301.9	10550.5	9815.4	8302.0	7502.1	7534.5	7988.6	9274.9	10085.7	10031.6
30°	10691.0	10820.8	10766.7	9934.3	8475.0	7545.3	7458.9	8107.5	9091.2	10085.7	10593.8
32.5°	11188.3	11112.6	11080.2	10128.9	8691.2	7815.6	7599.4	8356.1	9199.3	10247.8	11318.0
35°	11793.7	11685.6	11599.1	10507.3	9047.9	8075.0	7977.7	8680.4	9437.1	10582.9	11901.8
37.5°	12463.9	12463.9	12042.3	10788.3	9469.5	8496.6	8388.5	9145.2	9815.4	10788.3	12701.7
40°	13253.0	13285.4	12539.5	11166.7	9945.2	9166.8	9134.4	9750.6	10183.0	11091.0	13469.2
42.5°	13836.7	13858.4	12971.9	11307.2	10496.5	10096.5	10237.0	10723.5	10604.6	11361.3	13523.3
45°	14236.7	14128.6	13274.6	11707.2	11101.8	11491.0	11534.2	11674.7	11155.9	11523.4	13739.4
47.5°	14431.3	14409.7	13404.3	12172.0	12377.4	12907.1	13155.7	12961.1	11663.9	11350.5	13739.4
50°	14625.9	14442.1	13523.3	12809.8	13620.5	14690.7	14636.7	14279.9	12366.6	11566.6	13534.1
52.5°	14755.6	14593.4	13761.1	13382.7	14809.6	16020.3	16236.5	15577.1	13188.1	11966.6	13631.4
55°	15220.4	15090.7	14474.5	14161.0	16182.5	17425.6	17458.1	16539.2	14052.9	12626.0	14269.1
57.5°	15782.5	15858.2	15458.2	15263.7	17231.1	18452.6	18333.7	17252.7	14788.0	13426.0	15004.2
60°	16182.5	16301.4	16204.1	16225.7	17749.9	18798.5	18528.3	17695.9	15328.5	14031.3	15901.4
62.5°	15966.3	16204.1	16604.1	16517.6	17771.6	18549.9	18171.5	17112.2	15393.4	14820.4	16582.5
65°	15371.8	15393.4	16171.7	16647.3	16798.7	17263.5	16766.2	15890.6	14723.2	15306.9	16485.2
67.5°	13847.5	14020.5	14723.2	15652.8	15015.0	15123.1	15079.9	13815.1	13707.0	14971.8	15739.3
70°	12226.1	12345.0	13112.5	14204.3	12680.1	12172.0	12269.3	11328.8	11772.0	13934.0	14236.7
72.5°	10107.3	10183.0	11058.6	12020.7	10172.2	9264.1	9491.1	8723.6	9350.6	12193.6	12009.9
75°	7631.8	7772.4	8453.4	9588.4	7491.3	6907.6	7134.6	6821.1	7404.8	10042.4	9318.2
77.5°	5426.6	5318.5	6161.7	7502.1	5632.0	5286.1	5307.7	5361.7	5988.7	8464.2	6691.4
80°	3697.0	3729.4	4486.1	5502.3	4421.3	4367.2	4313.2	4745.6	5026.6	6702.2	4864.5
82.5°	2194.4	2194.4	3026.8	3913.2	3491.6	3934.8	3686.2	4075.4	3934.8	4929.3	3188.9
85°	1026.9	1026.9	1556.6	2821.4	2702.5	3243.0	2756.5	3080.8	2907.9	3437.6	1437.7
87.5°	173.0	151.3	313.5	1383.7	1113.4	1264.8	497.3	1643.1	1826.9	2399.8	356.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2
2.5°	8031.8	7956.1	7804.8	7610.2	7448.1	7242.7	7177.8	7037.3	6842.7	6821.1	6734.6
5°	7567.0	7307.5	6983.2	6583.3	6313.0	6032.0	5794.1	5653.6	5491.5	5469.8	5426.6
7.5°	7058.9	6734.6	6194.1	5718.5	5253.6	4810.4	4594.2	4324.0	4140.2	3999.7	3934.8
10°	6583.3	6280.6	5610.4	4961.8	4551.0	4259.1	3999.7	3718.6	3491.6	3318.7	3253.8
12.5°	6269.8	5913.0	5188.8	4572.6	4269.9	3934.8	3643.0	3340.3	3048.4	2821.4	2702.5
15°	6129.2	5794.1	5059.1	4378.0	3934.8	3470.0	3134.9	2832.2	2475.5	2313.3	2259.3
17.5°	6464.4	5967.1	5015.8	4151.0	3524.0	2994.4	2583.6	2259.3	1999.8	1837.7	1772.8
20°	6896.7	6280.6	5091.5	3880.8	3134.9	2540.3	2086.3	1740.4	1567.4	1448.5	1437.7
22.5°	7448.1	6745.4	5210.4	3686.2	2702.5	2043.1	1632.3	1426.9	1308.0	1297.2	1275.6
25°	8431.8	7588.6	5405.0	3426.8	2356.6	1686.4	1394.5	1275.6	1221.5	1189.1	1210.7
27.5°	9274.9	8139.9	5545.5	3264.6	2216.0	1589.1	1351.2	1221.5	1167.5	1156.7	1167.5
30°	9772.2	8648.0	5502.3	2961.9	1935.0	1513.4	1437.7	1394.5	1286.4	1199.9	1199.9
32.5°	10226.2	8972.3	5491.5	2691.7	1653.9	1264.8	1199.9	1167.5	1232.3	1275.6	1243.1
35°	10853.2	9480.3	5459.0	2540.3	1535.0	1167.5	1059.4	972.9	929.7	908.0	940.5
37.5°	11523.4	9826.2	5372.5	2518.7	1470.2	1113.4	1026.9	940.5	897.2	875.6	864.8
40°	12258.5	10193.8	5275.3	2410.6	1437.7	1081.0	994.5	918.8	864.8	832.4	821.6
42.5°	12734.1	10485.7	5178.0	2356.6	1372.9	1059.4	962.1	897.2	843.2	799.9	799.9
45°	13004.4	10831.6	5080.7	2302.5	1297.2	1070.2	962.1	875.6	810.7	789.1	767.5
47.5°	13123.3	11091.0	5048.2	2216.0	1232.3	1026.9	940.5	854.0	789.1	745.9	735.1
50°	13436.8	11642.3	5167.2	2151.2	1156.7	983.7	994.5	843.2	778.3	724.3	713.5
52.5°	13620.5	12085.5	5426.6	2053.9	1102.6	929.7	972.9	821.6	745.9	691.8	691.8
55°	14290.8	12820.6	5707.7	1978.2	1037.8	854.0	897.2	778.3	691.8	659.4	659.4
57.5°	15144.7	13598.9	5945.5	1945.8	994.5	799.9	799.9	756.7	659.4	616.2	605.4
60°	15739.3	14236.7	6086.0	1924.2	951.3	745.9	713.5	756.7	627.0	583.7	572.9
62.5°	15804.2	13869.2	5945.5	1913.4	940.5	691.8	648.6	724.3	594.5	551.3	529.7
65°	15393.4	13123.3	5556.3	1870.1	929.7	637.8	605.4	627.0	551.3	518.9	497.3
67.5°	14571.8	11912.6	4994.2	1848.5	918.8	594.5	551.3	540.5	508.1	475.6	454.0
70°	12658.5	10334.3	4334.8	1751.2	897.2	562.1	497.3	486.4	454.0	432.4	421.6
72.5°	10626.2	8453.4	3578.1	1621.5	854.0	508.1	454.0	432.4	421.6	389.2	378.3
75°	8139.9	6507.6	2864.6	1437.7	745.9	454.0	400.0	378.3	367.5	345.9	335.1
77.5°	5718.5	4842.9	2118.8	1167.5	627.0	410.8	356.7	335.1	324.3	291.9	291.9
80°	3880.8	3394.3	1437.7	810.7	486.4	335.1	313.5	291.9	270.2	248.6	248.6
82.5°	2410.6	2378.2	1037.8	529.7	356.7	270.2	248.6	248.6	216.2	194.6	194.6
85°	1102.6	1459.3	724.3	367.5	270.2	205.4	205.4	194.6	173.0	140.5	140.5
87.5°	345.9	486.4	378.3	162.1	151.3	118.9	118.9	108.1	108.1	86.5	86.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2
2.5°	6821.1	6810.3	6810.3	6767.0	6875.1	6875.1	6940.0	6885.9	6918.4	6929.2	7015.7
5°	5415.8	5502.3	5567.1	5696.8	5772.5	5804.9	5804.9	5891.4	5859.0	5923.9	6053.6
7.5°	3967.3	4075.4	4269.9	4432.1	4561.8	4605.0	4594.2	4615.8	4648.3	4572.6	4594.2
10°	3210.6	3134.9	3199.7	3351.1	3470.0	3610.5	3502.4	3491.6	3524.0	3491.6	3556.5
12.5°	2680.9	2594.4	2540.3	2540.3	2626.8	2691.7	2659.2	2713.3	2832.2	2864.6	2940.3
15°	2172.8	2097.1	2053.9	1999.8	2086.3	2107.9	2140.4	2216.0	2302.5	2345.8	2432.2
17.5°	1740.4	1740.4	1740.4	1697.2	1729.6	1762.0	1772.8	1870.1	1880.9	1924.2	1956.6
20°	1426.9	1459.3	1513.4	1535.0	1567.4	1567.4	1545.8	1599.9	1556.6	1589.1	1610.7
22.5°	1286.4	1329.6	1351.2	1362.1	1405.3	1416.1	1362.1	1372.9	1383.7	1351.2	1362.1
25°	1210.7	1232.3	1210.7	1221.5	1232.3	1210.7	1221.5	1243.1	1232.3	1254.0	1243.1
27.5°	1178.3	1156.7	1145.9	1135.0	1135.0	1113.4	1124.2	1124.2	1145.9	1156.7	1156.7
30°	1178.3	1145.9	1102.6	1070.2	1070.2	1037.8	1059.4	1081.0	1091.8	1113.4	1113.4
32.5°	1210.7	1145.9	1070.2	1037.8	1005.3	983.7	1005.3	1037.8	1081.0	1091.8	1102.6
35°	962.1	994.5	983.7	940.5	929.7	929.7	918.8	918.8	886.4	886.4	875.6
37.5°	864.8	854.0	875.6	886.4	897.2	864.8	864.8	821.6	810.7	821.6	821.6
40°	810.7	810.7	810.7	843.2	854.0	832.4	799.9	778.3	778.3	778.3	789.1
42.5°	789.1	767.5	756.7	778.3	810.7	789.1	756.7	745.9	745.9	756.7	756.7
45°	756.7	745.9	735.1	724.3	767.5	735.1	724.3	713.5	713.5	713.5	724.3
47.5°	724.3	713.5	691.8	691.8	702.6	691.8	681.0	681.0	681.0	702.6	702.6
50°	702.6	691.8	670.2	670.2	670.2	670.2	659.4	659.4	659.4	670.2	681.0
52.5°	670.2	659.4	648.6	637.8	637.8	637.8	637.8	637.8	637.8	648.6	659.4
55°	637.8	627.0	616.2	616.2	627.0	627.0	616.2	627.0	616.2	627.0	637.8
57.5°	605.4	594.5	583.7	594.5	605.4	594.5	594.5	594.5	594.5	594.5	605.4
60°	562.1	562.1	562.1	562.1	583.7	583.7	583.7	583.7	562.1	572.9	583.7
62.5°	540.5	529.7	529.7	540.5	551.3	551.3	562.1	551.3	540.5	551.3	551.3
65°	497.3	497.3	497.3	508.1	508.1	518.9	518.9	518.9	508.1	518.9	518.9
67.5°	464.8	464.8	464.8	464.8	486.4	486.4	486.4	486.4	475.6	475.6	486.4
70°	410.8	421.6	410.8	432.4	454.0	443.2	454.0	454.0	443.2	432.4	454.0
72.5°	378.3	378.3	378.3	378.3	410.8	410.8	410.8	421.6	410.8	400.0	410.8
75°	335.1	335.1	335.1	345.9	367.5	367.5	367.5	367.5	367.5	356.7	356.7
77.5°	291.9	302.7	291.9	302.7	324.3	313.5	324.3	335.1	324.3	313.5	313.5
80°	248.6	248.6	248.6	259.4	270.2	270.2	270.2	281.1	270.2	259.4	259.4
82.5°	194.6	194.6	205.4	205.4	216.2	216.2	216.2	227.0	216.2	205.4	205.4
85°	151.3	151.3	151.3	162.1	162.1	173.0	173.0	183.8	183.8	173.0	173.0
87.5°	97.3	86.5	97.3	97.3	108.1	108.1	97.3	86.5	97.3	86.5	75.7
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: P598902
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2	7783.2
2.5°	7102.1	7296.7	7437.2	7534.5	7675.1	7945.3	8053.4	8248.0	8302.0	8334.5
5°	6107.6	6313.0	6615.7	6831.9	7080.5	7588.6	7977.7	8269.6	8399.3	8518.2
7.5°	4788.8	5059.1	5372.5	5653.6	6064.4	6691.4	7199.4	7804.8	8031.8	8150.7
10°	3740.2	3988.9	4334.8	4680.7	5253.6	5783.3	6507.6	7058.9	7372.4	7458.9
12.5°	3156.5	3448.4	3859.2	4280.7	4637.5	5242.8	5977.9	6777.8	7069.7	7123.8
15°	2680.9	3080.8	3502.4	3934.8	4345.6	4875.3	5664.4	6637.3	7069.7	7123.8
17.5°	2216.0	2572.8	3070.0	3534.9	4010.5	4734.8	5718.5	6756.2	7188.6	7350.8
20°	1762.0	2107.9	2497.1	3080.8	3729.4	4496.9	5837.4	7156.2	7729.1	7902.1
22.5°	1459.3	1610.7	1989.0	2551.1	3318.7	4334.8	5956.3	7783.2	8388.5	8453.4
25°	1275.6	1383.7	1621.5	2151.2	2994.4	4226.7	6237.3	8507.4	9285.7	9285.7
27.5°	1189.1	1232.3	1394.5	1870.1	2767.3	4129.4	6518.4	9307.4	10031.6	10183.0
30°	1167.5	1275.6	1362.1	1664.7	2518.7	3859.2	6777.8	9934.3	10680.2	10691.0
32.5°	1145.9	1124.2	1189.1	1448.5	2216.0	3578.1	6994.0	10572.1	11155.9	11188.3
35°	897.2	940.5	1048.6	1275.6	1989.0	3372.7	7102.1	10918.1	11761.2	11793.7
37.5°	843.2	897.2	983.7	1178.3	1837.7	3199.7	7134.6	11588.3	12399.0	12463.9
40°	821.6	864.8	929.7	1091.8	1718.8	2983.5	7199.4	12280.1	13339.5	13253.0
42.5°	778.3	832.4	897.2	1048.6	1621.5	2821.4	7210.2	12658.5	13836.7	13836.7
45°	767.5	799.9	875.6	1048.6	1513.4	2680.9	7037.3	13036.8	14409.7	14236.7
47.5°	724.3	789.1	854.0	1016.1	1383.7	2540.3	6831.9	13231.4	14485.3	14431.3
50°	713.5	778.3	886.4	962.1	1308.0	2475.5	6788.7	13717.8	14636.7	14625.9
52.5°	691.8	756.7	918.8	918.8	1210.7	2389.0	6994.0	13934.0	14669.1	14755.6
55°	659.4	756.7	854.0	843.2	1124.2	2280.9	7221.0	14496.1	15242.0	15220.4
57.5°	637.8	735.1	810.7	767.5	1026.9	2205.2	7556.2	15036.6	15933.9	15782.5
60°	605.4	735.1	724.3	713.5	951.3	2140.4	7837.2	15144.7	16085.2	16182.5
62.5°	583.7	767.5	637.8	659.4	886.4	2107.9	7718.3	14334.0	15879.8	15966.3
65°	562.1	659.4	583.7	605.4	864.8	2043.1	7253.5	13361.1	14993.4	15371.8
67.5°	518.9	540.5	540.5	562.1	843.2	1891.7	6302.2	11609.9	13642.2	13847.5
70°	475.6	486.4	486.4	518.9	821.6	1718.8	5199.6	10042.4	11836.9	12226.1
72.5°	432.4	432.4	432.4	475.6	756.7	1578.3	4280.7	7718.3	9837.1	10107.3
75°	378.3	378.3	378.3	421.6	681.0	1437.7	3372.7	5740.1	7242.7	7631.8
77.5°	335.1	335.1	324.3	378.3	594.5	1167.5	2432.2	4053.7	5102.3	5426.6
80°	281.1	270.2	270.2	302.7	464.8	843.2	1567.4	2864.6	3556.5	3697.0
82.5°	227.0	216.2	205.4	227.0	335.1	529.7	972.9	1999.8	2280.9	2194.4
85°	216.2	227.0	183.8	173.0	237.8	345.9	616.2	1232.3	1026.9	1026.9
87.5°	86.5	75.7	75.7	64.9	118.9	129.7	270.2	227.0	173.0	173.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)