

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: P599183

Luminaire Tested: **IFLD-M-SA4B-730-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599183
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-730-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

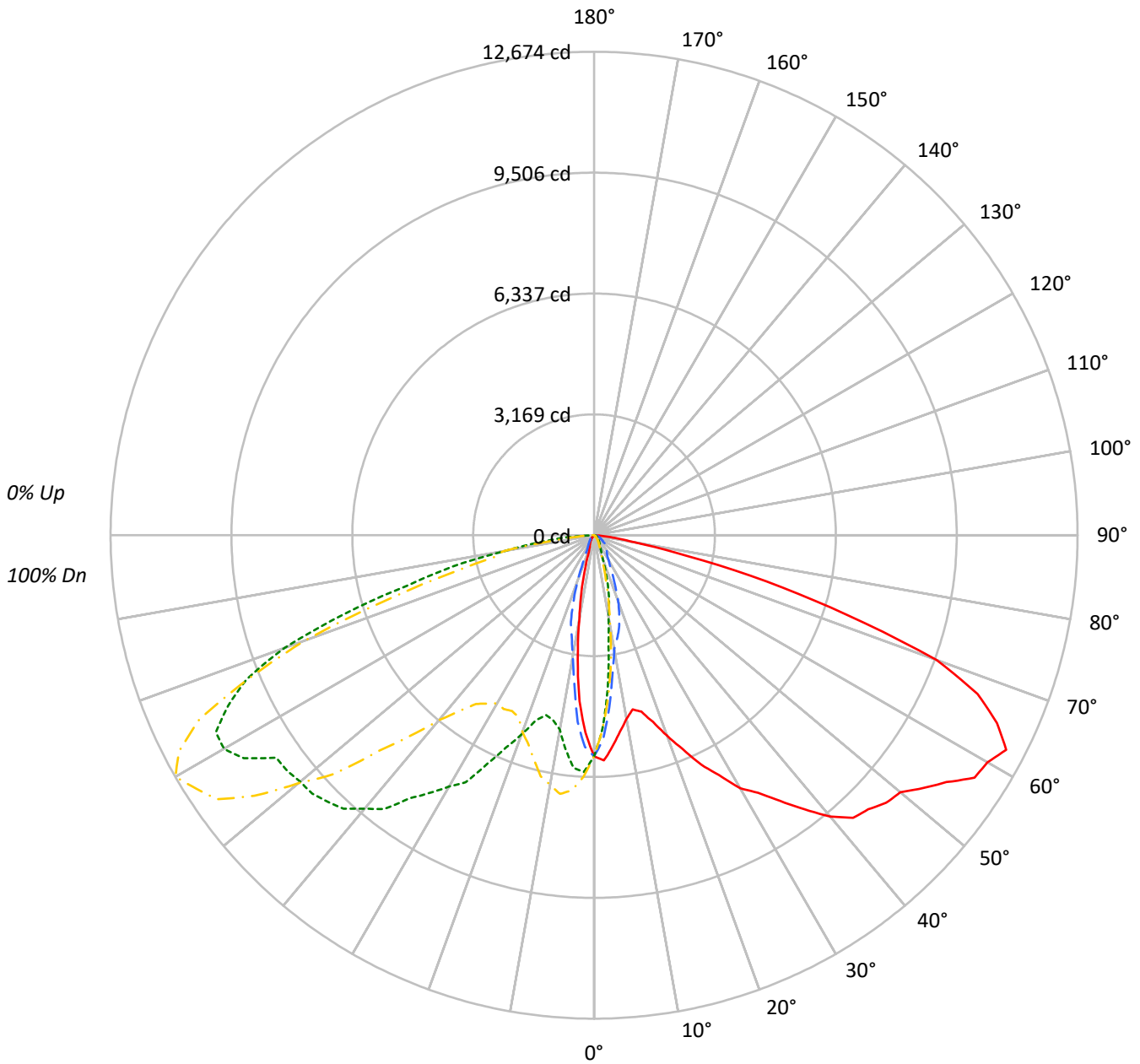
Lumens per Lamp: N/A
 Luminaire Lumens: 15149.3 lumens
 Efficiency: N/A
 Efficacy: 91.2 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	62340	62340	62340	62340
5°	60019	43866	47220	66153
10°	53436	23883	24196	56560
15°	53342	15930	9740	54344
20°	64048	7953	3883	63674
25°	78777	4997	3007	78390
30°	95183	4011	2284	94574
35°	111686	3221	1771	110559
40°	135210	2754	1148	131481
45°	154688	2487	621	150398
50°	175501	2395	137	168319
55°	211701	2299	0	190852
60°	256306	1935	0	241094
65°	296784	1561	0	269738
70°	300525	1284	0	271990
75°	194489	848	0	208587
80°	66332	254	0	147603
85°	33296	0	0	108447

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.7	2.9
10°-20°	849.5	5.6
20°-30°	1183.2	7.8
30°-40°	1681.1	11.1
40°-50°	2331.3	15.4
50°-60°	3176.5	21.0
60°-70°	3492.3	23.1
70°-80°	1716.4	11.3
80°-90°	280.3	1.9
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°	2471.4	16.3
0°-40°	4152.5	27.4
0°-60°	9660.3	63.8
0°-90°	15149.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15149.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5792	5792	5792	5792	5792	
5°	5555	4060	4370	6122	5555	508
15°	4787	1430	874	4877	4787	1417
25°	6633	421	253	6600	6633	3084
35°	8500	245	135	8414	8500	5395
45°	10162	163	41	9880	10162	7877
55°	11281	122	0	10170	11281	10148
65°	11652	61	0	10591	11652	11261
75°	4676	20	0	5016	4676	5098
85°	270	0	0	878	270	373
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°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
2.5°	5910.0	5979.4	5914.1	5685.4	5644.5	5534.2	5366.8	5354.5	5178.9	5199.3	5105.4
5°	5554.7	5624.1	5485.2	5183.0	4901.2	4676.5	4541.8	4300.8	4247.7	4129.2	4129.2
7.5°	5191.2	5187.1	4950.2	4697.0	4276.3	3863.8	3675.9	3328.7	3124.5	3014.2	2908.0
10°	4888.9	4823.6	4676.5	4153.7	3696.3	3267.5	3034.6	2805.9	2593.5	2409.7	2226.0
12.5°	4676.5	4717.4	4484.6	3916.9	3324.6	3026.5	2777.3	2536.4	2283.1	2074.8	1870.6
15°	4786.8	4721.5	4447.8	3863.8	3263.4	2854.9	2524.1	2230.0	1948.2	1674.6	1519.4
17.5°	5129.9	4962.4	4639.8	3863.8	3136.8	2593.5	2193.3	1846.1	1543.9	1298.8	1106.8
20°	5591.4	5399.5	5052.3	4006.7	3042.8	2401.6	1854.3	1417.3	1102.8	874.0	727.0
22.5°	6065.2	5914.1	5391.3	4063.9	2932.5	2144.3	1462.2	1025.2	735.2	588.1	514.6
25°	6632.9	6420.5	5848.7	4292.6	2769.2	1895.1	1151.8	714.8	547.3	469.7	424.8
27.5°	7086.3	7049.5	6277.6	4431.5	2646.6	1690.9	910.8	567.7	453.4	396.2	367.6
30°	7658.1	7458.0	6800.4	4709.2	2507.8	1458.1	759.7	510.5	416.6	355.3	334.9
32.5°	8001.2	7907.2	7074.0	4864.4	2352.6	1266.1	653.5	449.3	379.8	334.9	314.5
35°	8499.5	8311.6	7466.1	4962.4	2270.9	1155.9	588.1	408.4	318.6	273.6	249.1
37.5°	9054.9	8985.5	7935.8	4958.4	2152.4	1090.5	543.2	379.8	302.2	253.2	224.6
40°	9622.6	9340.8	8221.7	5072.7	2091.2	1041.5	510.5	363.5	285.9	241.0	204.2
42.5°	10047.4	9724.8	8552.6	5031.9	2017.7	955.7	498.3	339.0	273.6	220.6	187.9
45°	10161.8	10047.4	8850.7	5019.6	1964.6	886.3	477.9	334.9	265.5	208.3	175.6
47.5°	10382.3	10304.7	9218.3	5040.0	1923.7	833.2	428.9	343.1	253.2	196.0	167.5
50°	10480.4	10341.5	9516.5	5089.1	1829.8	767.9	383.9	359.4	249.1	192.0	159.3
52.5°	10884.7	10762.2	9924.9	5227.9	1752.2	682.1	339.0	343.1	257.3	179.7	151.1
55°	11280.9	11142.0	10553.9	5546.5	1641.9	612.6	290.0	302.2	245.1	163.4	134.8
57.5°	11824.1	11595.4	10974.6	5677.2	1543.9	518.7	257.3	249.1	228.7	147.0	118.4
60°	11905.8	11999.7	10913.3	5595.5	1441.8	457.4	224.6	192.0	245.1	130.7	102.1
62.5°	12179.4	11787.3	10627.4	5407.6	1368.2	420.7	200.1	159.3	212.4	114.4	85.8
65°	11652.5	11362.6	9957.6	4803.2	1274.3	424.8	175.6	130.7	134.8	93.9	69.4
67.5°	10880.6	10651.9	8846.6	4145.6	1180.4	416.6	155.2	114.4	102.1	81.7	61.3
70°	9549.1	9054.9	7515.1	3365.5	1041.5	388.0	130.7	102.1	85.8	65.3	44.9
72.5°	6947.4	6747.3	5391.3	2601.7	935.3	351.3	122.5	85.8	73.5	49.0	36.8
75°	4676.5	4345.7	3402.2	1707.2	751.5	306.3	102.1	77.6	57.2	36.8	28.6
77.5°	2471.0	2336.2	1927.8	812.8	416.6	143.0	57.2	44.9	32.7	28.6	16.3
80°	1070.1	951.6	833.2	330.8	147.0	65.3	36.8	24.5	20.4	16.3	8.2
82.5°	547.3	522.8	432.9	143.0	85.8	49.0	20.4	16.3	12.3	8.2	4.1
85°	269.6	277.7	228.7	44.9	49.0	28.6	4.1	4.1	0.0	0.0	0.0
87.5°	20.4	20.4	16.3	8.2	12.3	4.1	0.0	0.0	0.0	0.0	0.0
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°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
2.5°	5068.6	5125.8	5027.8	5089.1	5060.5	5072.7	5085.0	5052.3	5060.5	5174.8	5178.9
5°	4059.8	4170.1	4129.2	4186.4	4284.4	4235.4	4280.4	4272.2	4280.4	4296.7	4370.2
7.5°	2895.8	2863.1	2940.7	3091.8	3267.5	3373.6	3320.5	3292.0	3275.6	3234.8	3283.8
10°	2185.1	2168.8	2148.3	2193.3	2307.6	2426.1	2491.4	2381.2	2319.9	2242.3	2213.7
12.5°	1813.4	1711.3	1654.1	1584.7	1617.4	1723.6	1727.7	1621.5	1523.4	1482.6	1527.5
15°	1429.5	1360.1	1258.0	1159.9	1110.9	1192.6	1123.2	1021.1	894.5	878.1	874.0
17.5°	1021.1	980.2	906.7	865.9	808.7	788.3	714.8	559.6	469.7	445.2	453.4
20°	694.3	661.7	657.6	620.8	596.3	580.0	461.5	359.4	330.8	334.9	339.0
22.5°	514.6	498.3	477.9	473.8	453.4	432.9	339.0	302.2	281.8	281.8	294.1
25°	420.7	412.5	392.1	383.9	375.8	347.2	285.9	257.3	249.1	241.0	253.2
27.5°	359.4	355.3	343.1	330.8	322.7	294.1	249.1	224.6	216.5	216.5	216.5
30°	322.7	322.7	306.3	281.8	281.8	249.1	212.4	196.0	187.9	187.9	183.8
32.5°	302.2	294.1	273.6	257.3	245.1	212.4	187.9	171.5	159.3	159.3	163.4
35°	245.1	245.1	241.0	228.7	212.4	179.7	159.3	143.0	134.8	130.7	134.8
37.5°	216.5	204.2	187.9	192.0	183.8	155.2	134.8	122.5	110.3	110.3	110.3
40°	196.0	183.8	167.5	155.2	151.1	138.9	118.4	98.0	85.8	81.7	81.7
42.5°	175.6	167.5	143.0	122.5	118.4	118.4	89.9	73.5	61.3	61.3	61.3
45°	163.4	151.1	130.7	106.2	85.8	89.9	73.5	53.1	44.9	40.8	40.8
47.5°	155.2	143.0	114.4	89.9	65.3	65.3	53.1	36.8	28.6	24.5	24.5
50°	143.0	130.7	102.1	73.5	49.0	40.8	32.7	20.4	12.3	8.2	8.2
52.5°	134.8	122.5	89.9	61.3	40.8	28.6	20.4	4.1	0.0	0.0	0.0
55°	122.5	106.2	77.6	49.0	32.7	16.3	4.1	0.0	0.0	0.0	0.0
57.5°	106.2	93.9	61.3	36.8	20.4	4.1	0.0	0.0	0.0	0.0	0.0
60°	89.9	77.6	49.0	28.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	73.5	65.3	36.8	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	61.3	49.0	28.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	53.1	40.8	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	40.8	28.6	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	28.6	20.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	20.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
2.5°	5195.2	5317.8	5432.1	5464.8	5554.7	5803.8	5803.8	5922.3	6134.6	6212.2	6228.6
5°	4382.5	4513.2	4537.7	4790.9	4909.3	5162.6	5330.0	5730.3	5971.3	6122.4	6216.3
7.5°	3332.8	3377.7	3471.7	3708.6	3941.4	4247.7	4566.3	5076.8	5501.6	5673.1	5991.7
10°	2291.3	2426.1	2630.3	2842.7	3206.2	3545.2	3957.7	4439.6	4962.4	5174.8	5448.5
12.5°	1543.9	1731.7	2058.5	2360.7	2695.6	3038.7	3430.8	4076.1	4668.4	4962.4	5236.1
15°	902.6	1131.4	1413.2	1903.3	2348.5	2732.4	3124.5	3778.0	4496.8	4876.7	5211.6
17.5°	457.4	526.9	759.7	1184.5	1772.6	2401.6	2985.6	3818.8	4627.5	5093.1	5370.9
20°	343.1	363.5	428.9	629.0	1213.0	1985.0	2854.9	3880.1	4991.0	5558.8	5709.9
22.5°	298.2	314.5	343.1	408.4	682.1	1519.4	2671.1	4031.2	5485.2	6020.3	6338.9
25°	253.2	269.6	294.1	334.9	437.0	1033.3	2446.5	4190.5	5926.3	6600.3	6898.4
27.5°	220.6	232.8	257.3	290.0	355.3	657.6	2058.5	4402.9	6600.3	7302.8	7380.4
30°	187.9	200.1	220.6	257.3	302.2	465.6	1511.2	4431.5	6971.9	7609.1	7825.5
32.5°	163.4	167.5	192.0	224.6	253.2	367.6	1061.9	4460.1	7245.6	8005.3	8050.2
35°	134.8	143.0	167.5	187.9	220.6	290.0	804.6	4317.1	7600.9	8413.7	8401.4
37.5°	110.3	122.5	138.9	155.2	179.7	245.1	641.2	4051.6	8046.1	9046.8	8662.8
40°	85.8	98.0	114.4	134.8	151.1	220.6	481.9	3651.4	8511.7	9357.2	8948.7
42.5°	61.3	69.4	85.8	106.2	134.8	183.8	347.2	3177.6	8695.5	9720.7	9291.8
45°	44.9	53.1	65.3	89.9	138.9	147.0	241.0	2744.7	8891.6	9880.0	9214.2
47.5°	24.5	32.7	49.0	77.6	122.5	110.3	171.5	2356.6	9116.2	10022.9	9275.5
50°	8.2	12.3	28.6	81.7	98.0	85.8	134.8	2148.3	9336.7	10051.5	9398.0
52.5°	0.0	0.0	16.3	85.8	73.5	65.3	118.4	2066.7	9279.6	10141.4	9320.4
55°	0.0	0.0	4.1	36.8	40.8	49.0	98.0	2062.6	9683.9	10169.9	9745.2
57.5°	0.0	0.0	0.0	12.3	24.5	40.8	85.8	1931.9	9941.2	10880.6	10317.0
60°	0.0	0.0	0.0	4.1	16.3	28.6	65.3	1817.5	10202.6	11199.2	10929.6
62.5°	0.0	0.0	0.0	0.0	4.1	12.3	44.9	1641.9	9675.7	11174.7	11521.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	28.6	1298.8	8703.7	10590.6	11195.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	16.3	898.5	7621.3	9855.5	10594.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	543.2	6151.0	8642.4	8985.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232.8	4390.6	6861.6	7372.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.9	2716.1	5015.5	5644.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	1760.3	3798.4	4284.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	939.4	2381.2	2769.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	408.4	1445.8	1666.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.7	878.1	1000.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134.8	179.7
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: P599183
 CATALOG NUMBER: IFLD-M-SA4B-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6	5791.6
2.5°	6236.7	6355.2	6400.1	6330.7	6338.9	6195.9	6175.5	5975.4	5893.7	5910.0
5°	6522.6	6694.2	6788.1	6710.5	6534.9	6261.3	6012.1	5775.2	5628.2	5554.7
7.5°	6457.3	6649.3	6767.7	6841.2	6641.1	6200.0	5820.1	5375.0	5187.1	5191.2
10°	6097.9	6498.1	6739.1	6645.2	6551.2	6110.1	5522.0	5040.0	4872.6	4888.9
12.5°	5807.9	6253.1	6396.0	6469.6	6277.6	5926.3	5530.2	4978.8	4790.9	4676.5
15°	5628.2	5959.0	5967.2	6081.5	6003.9	6003.9	5615.9	5076.8	4913.4	4786.8
17.5°	5628.2	5701.7	5693.5	5734.4	5865.1	6020.3	5832.4	5473.0	5150.3	5129.9
20°	5754.8	5526.1	5473.0	5489.3	5599.6	6061.1	6310.3	5861.0	5656.8	5591.4
22.5°	6048.9	5546.5	5223.8	5166.7	5505.7	6057.0	6616.6	6473.6	6118.3	6065.2
25°	6453.2	5509.7	5158.5	5085.0	5342.3	6204.1	7037.3	7065.9	6743.2	6632.9
27.5°	6837.1	5673.1	5150.3	5134.0	5473.0	6171.4	7327.3	7539.6	7176.1	7086.3
30°	6967.8	5836.5	5301.4	5085.0	5522.0	6289.8	7319.1	7874.6	7637.7	7658.1
32.5°	7123.0	5999.9	5317.8	5232.0	5730.3	6481.8	7551.9	8413.7	8242.1	8001.2
35°	7351.8	6220.4	5473.0	5395.4	5877.3	6653.3	7600.9	8809.9	8781.3	8499.5
37.5°	7547.8	6436.9	5795.6	5807.9	6326.6	6931.1	7817.4	9295.9	9246.9	9054.9
40°	7686.7	6739.1	6298.0	6330.7	6718.7	7241.5	8201.3	9541.0	9904.5	9622.6
42.5°	7707.1	7008.7	6873.9	7135.3	7498.8	7723.4	8356.5	9708.4	10231.2	10047.4
45°	7784.7	7437.5	7813.3	8005.3	8303.4	8148.2	8348.3	9994.3	10255.7	10161.8
47.5°	8086.9	8217.6	8691.4	9275.5	9381.7	8871.1	8544.4	10039.2	10394.6	10382.3
50°	8401.4	9054.9	9720.7	10108.7	10243.5	9369.4	8728.2	10002.5	10578.4	10480.4
52.5°	8752.7	9781.9	10741.7	11219.6	11146.1	9920.8	8936.5	10300.6	10917.4	10884.7
55°	8973.2	10108.7	11399.3	12065.1	12007.9	10537.5	9598.1	10729.5	11362.6	11280.9
57.5°	9557.3	10639.6	12052.8	12363.2	12514.3	11346.2	10059.7	11432.0	11734.2	11824.1
60°	10039.2	10986.8	12224.4	12673.6	12726.7	11828.2	10868.4	12154.9	12208.0	11905.8
62.5°	10745.8	11121.6	11860.8	12265.2	12538.8	12101.8	11595.4	12542.9	12199.8	12179.4
65°	11264.5	10680.5	11182.9	11407.5	11583.1	11685.2	12326.5	12808.4	12048.7	11652.5
67.5°	10974.6	9847.3	9753.3	9765.6	9818.7	10435.4	12081.4	12159.0	11207.4	10880.6
70°	9659.4	8078.8	7952.2	8050.2	7784.7	8528.0	11088.9	11052.2	9888.1	9549.1
72.5°	7813.3	5889.6	5673.1	5807.9	5869.2	6657.4	9328.6	8381.0	7212.9	6947.4
75°	6208.2	4317.1	3643.2	3970.0	4178.3	4848.1	7286.4	5693.5	5036.0	4676.5
77.5°	4876.7	3267.5	2834.5	2703.8	2895.8	3524.8	5301.4	2989.7	2638.5	2471.0
80°	3091.8	2401.6	2605.8	2417.9	2499.6	2515.9	2761.0	1360.1	1082.3	1070.1
82.5°	1862.4	1641.9	1952.3	1074.2	1956.4	1748.1	1147.7	616.7	547.3	547.3
85°	1319.2	1017.0	673.9	437.0	870.0	959.8	445.2	318.6	277.7	269.6
87.5°	661.7	314.5	151.1	98.0	110.3	179.7	53.1	24.5	24.5	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)