

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: P599153

Luminaire Tested: **IFLD-M-SA4A-727-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: P599153
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-727-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

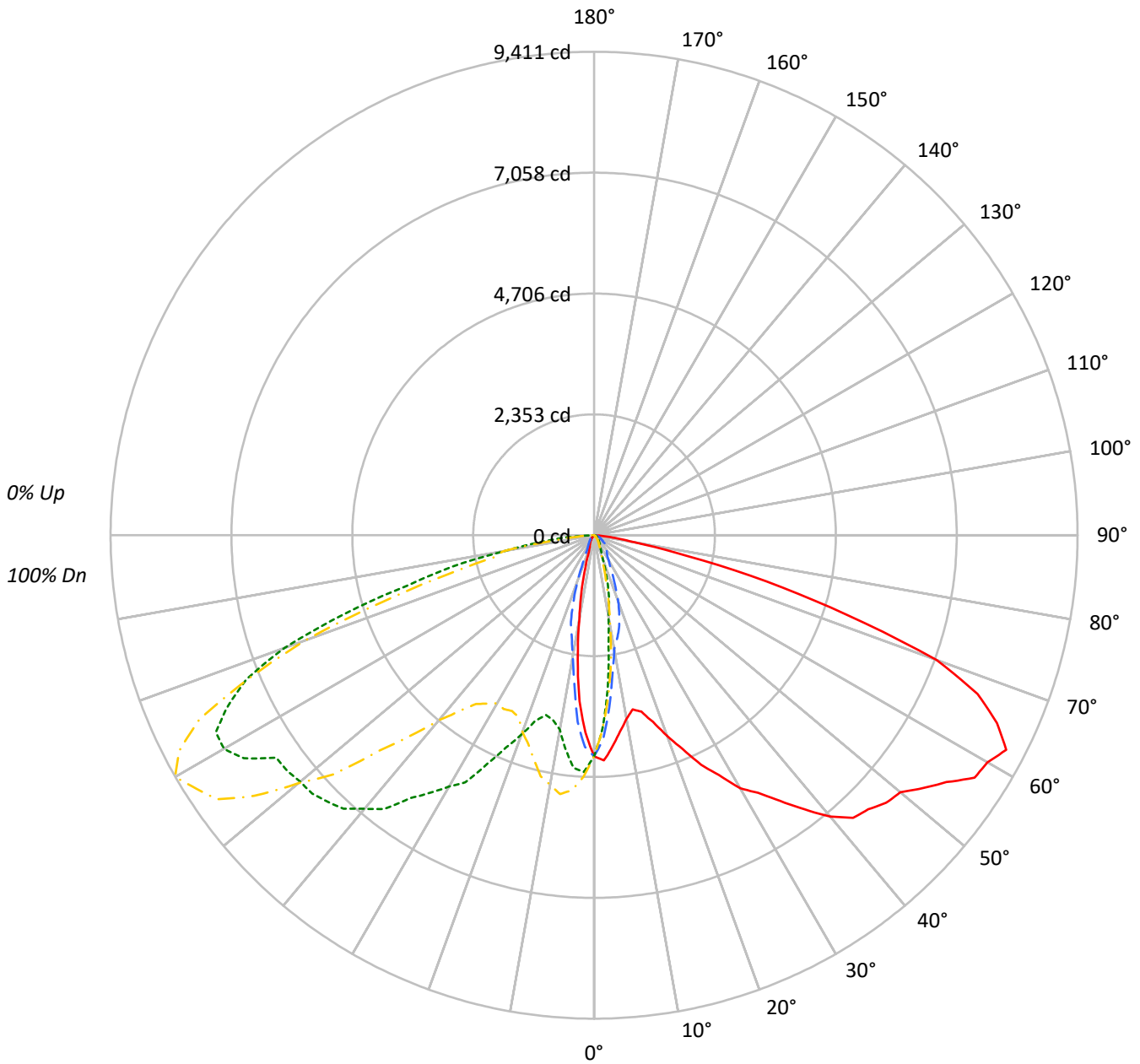
Lumens per Lamp: N/A
 Luminaire Lumens: 11249.8 lumens
 Efficiency: N/A
 Efficacy: 87.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46293	46293	46293	46293
5°	44570	32575	35066	49125
10°	39681	17736	17968	42002
15°	39612	11830	7233	40356
20°	47562	5906	2883	47284
25°	58500	3710	2233	58211
30°	70683	2978	1697	70231
35°	82938	2392	1315	82101
40°	100408	2046	853	97637
45°	114870	1846	461	111684
50°	130327	1778	102	124993
55°	157209	1708	0	141727
60°	190332	1436	0	179036
65°	220393	1159	0	200308
70°	223171	954	0	201978
75°	144429	632	0	154897
80°	49255	186	0	109605
85°	24725	0	0	80536

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.8	2.9
10°-20°	630.8	5.6
20°-30°	878.6	7.8
30°-40°	1248.4	11.1
40°-50°	1731.2	15.4
50°-60°	2358.8	21.0
60°-70°	2593.4	23.1
70°-80°	1274.6	11.3
80°-90°	208.1	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°	1835.3	16.3
0°-40°	3083.7	27.4
0°-60°	7173.7	63.8
0°-90°	11249.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11249.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4301	4301	4301	4301	4301	
5°	4125	3015	3245	4546	4125	377
15°	3555	1062	649	3621	3555	1052
25°	4926	312	188	4901	4926	2290
35°	6312	182	100	6248	6312	4006
45°	7546	121	30	7337	7546	5850
55°	8377	91	0	7552	8377	7536
65°	8653	46	0	7865	8653	8362
75°	3473	15	0	3724	3473	3786
85°	200	0	0	652	200	277
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°	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8
2.5°	4388.8	4440.3	4391.8	4221.9	4191.6	4109.7	3985.4	3976.3	3845.8	3861.0	3791.3
5°	4124.9	4176.4	4073.3	3848.9	3639.6	3472.8	3372.7	3193.8	3154.3	3066.4	3066.4
7.5°	3854.9	3851.9	3676.0	3488.0	3175.6	2869.2	2729.7	2471.9	2320.2	2238.4	2159.5
10°	3630.5	3582.0	3472.8	3084.6	2744.9	2426.4	2253.5	2083.7	1926.0	1789.5	1653.0
12.5°	3472.8	3503.1	3330.2	2908.7	2468.9	2247.5	2062.4	1883.5	1695.4	1540.8	1389.1
15°	3554.7	3506.2	3302.9	2869.2	2423.4	2120.1	1874.4	1656.0	1446.7	1243.5	1128.3
17.5°	3809.5	3685.1	3445.5	2869.2	2329.3	1926.0	1628.7	1370.9	1146.5	964.5	821.9
20°	4152.2	4009.6	3751.8	2975.4	2259.6	1783.4	1377.0	1052.5	818.9	649.1	539.9
22.5°	4504.0	4391.8	4003.6	3017.8	2177.7	1592.3	1085.8	761.3	545.9	436.8	382.2
25°	4925.6	4767.9	4343.3	3187.7	2056.4	1407.3	855.3	530.8	406.4	348.8	315.4
27.5°	5262.3	5235.0	4661.7	3290.8	1965.4	1255.7	676.4	421.6	336.7	294.2	273.0
30°	5686.9	5538.3	5050.0	3497.1	1862.3	1082.8	564.1	379.1	309.4	263.9	248.7
32.5°	5941.7	5871.9	5253.2	3612.3	1747.0	940.2	485.3	333.6	282.1	248.7	233.5
35°	6311.7	6172.2	5544.3	3685.1	1686.4	858.3	436.8	303.3	236.6	203.2	185.0
37.5°	6724.2	6672.6	5893.1	3682.1	1598.4	809.8	403.4	282.1	224.4	188.0	166.8
40°	7145.8	6936.5	6105.4	3767.0	1552.9	773.4	379.1	269.9	212.3	178.9	151.7
42.5°	7461.2	7221.6	6351.1	3736.7	1498.3	709.7	370.0	251.7	203.2	163.8	139.5
45°	7546.1	7461.2	6572.5	3727.6	1458.9	658.2	354.9	248.7	197.1	154.7	130.4
47.5°	7709.9	7652.3	6845.5	3742.7	1428.5	618.7	318.5	254.8	188.0	145.6	124.4
50°	7782.7	7679.6	7066.9	3779.1	1358.8	570.2	285.1	266.9	185.0	142.6	118.3
52.5°	8083.0	7992.0	7370.2	3882.2	1301.2	506.5	251.7	254.8	191.1	133.5	112.2
55°	8377.2	8274.0	7837.3	4118.8	1219.3	455.0	215.3	224.4	182.0	121.3	100.1
57.5°	8780.5	8610.7	8149.7	4215.9	1146.5	385.2	191.1	185.0	169.8	109.2	88.0
60°	8841.2	8911.0	8104.2	4155.2	1070.7	339.7	166.8	142.6	182.0	97.1	75.8
62.5°	9044.4	8753.3	7891.9	4015.7	1016.1	312.4	148.6	118.3	157.7	84.9	63.7
65°	8653.2	8437.8	7394.5	3566.8	946.3	315.4	130.4	97.1	100.1	69.8	51.6
67.5°	8079.9	7910.1	6569.5	3078.5	876.5	309.4	115.3	84.9	75.8	60.7	45.5
70°	7091.2	6724.2	5580.7	2499.2	773.4	288.1	97.1	75.8	63.7	48.5	33.4
72.5°	5159.1	5010.5	4003.6	1932.0	694.6	260.8	91.0	63.7	54.6	36.4	27.3
75°	3472.8	3227.1	2526.5	1267.8	558.1	227.5	75.8	57.6	42.5	27.3	21.2
77.5°	1835.0	1734.9	1431.6	603.6	309.4	106.2	42.5	33.4	24.3	21.2	12.1
80°	794.6	706.7	618.7	245.7	109.2	48.5	27.3	18.2	15.2	12.1	6.1
82.5°	406.4	388.2	321.5	106.2	63.7	36.4	15.2	12.1	9.1	6.1	3.0
85°	200.2	206.2	169.8	33.4	36.4	21.2	3.0	3.0	0.0	0.0	0.0
87.5°	15.2	15.2	12.1	6.1	9.1	3.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8
2.5°	3764.0	3806.4	3733.6	3779.1	3757.9	3767.0	3776.1	3751.8	3757.9	3842.8	3845.8
5°	3014.8	3096.7	3066.4	3108.8	3181.6	3145.2	3178.6	3172.5	3178.6	3190.7	3245.3
7.5°	2150.4	2126.1	2183.8	2296.0	2426.4	2505.3	2465.8	2444.6	2432.5	2402.1	2438.5
10°	1622.7	1610.5	1595.4	1628.7	1713.6	1801.6	1850.1	1768.2	1722.7	1665.1	1643.9
12.5°	1346.7	1270.8	1228.4	1176.8	1201.1	1279.9	1283.0	1204.1	1131.3	1101.0	1134.3
15°	1061.6	1010.0	934.2	861.4	825.0	885.6	834.1	758.3	664.2	652.1	649.1
17.5°	758.3	727.9	673.3	643.0	600.5	585.4	530.8	415.5	348.8	330.6	336.7
20°	515.6	491.3	488.3	461.0	442.8	430.7	342.7	266.9	245.7	248.7	251.7
22.5°	382.2	370.0	354.9	351.8	336.7	321.5	251.7	224.4	209.3	209.3	218.4
25°	312.4	306.3	291.2	285.1	279.0	257.8	212.3	191.1	185.0	178.9	188.0
27.5°	266.9	263.9	254.8	245.7	239.6	218.4	185.0	166.8	160.7	160.7	160.7
30°	239.6	239.6	227.5	209.3	209.3	185.0	157.7	145.6	139.5	139.5	136.5
32.5°	224.4	218.4	203.2	191.1	182.0	157.7	139.5	127.4	118.3	118.3	121.3
35°	182.0	182.0	178.9	169.8	157.7	133.5	118.3	106.2	100.1	97.1	100.1
37.5°	160.7	151.7	139.5	142.6	136.5	115.3	100.1	91.0	81.9	81.9	81.9
40°	145.6	136.5	124.4	115.3	112.2	103.1	88.0	72.8	63.7	60.7	60.7
42.5°	130.4	124.4	106.2	91.0	88.0	88.0	66.7	54.6	45.5	45.5	45.5
45°	121.3	112.2	97.1	78.9	63.7	66.7	54.6	39.4	33.4	30.3	30.3
47.5°	115.3	106.2	84.9	66.7	48.5	48.5	39.4	27.3	21.2	18.2	18.2
50°	106.2	97.1	75.8	54.6	36.4	30.3	24.3	15.2	9.1	6.1	6.1
52.5°	100.1	91.0	66.7	45.5	30.3	21.2	15.2	3.0	0.0	0.0	0.0
55°	91.0	78.9	57.6	36.4	24.3	12.1	3.0	0.0	0.0	0.0	0.0
57.5°	78.9	69.8	45.5	27.3	15.2	3.0	0.0	0.0	0.0	0.0	0.0
60°	66.7	57.6	36.4	21.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	54.6	48.5	27.3	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	45.5	36.4	21.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	39.4	30.3	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	30.3	21.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	21.2	15.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	15.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.0	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°	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8
2.5°	3858.0	3949.0	4033.9	4058.2	4124.9	4309.9	4309.9	4397.9	4555.6	4613.2	4625.3
5°	3254.4	3351.5	3369.7	3557.7	3645.7	3833.7	3958.1	4255.3	4434.3	4546.5	4616.2
7.5°	2474.9	2508.3	2578.1	2754.0	2926.8	3154.3	3390.9	3770.0	4085.5	4212.8	4449.4
10°	1701.5	1801.6	1953.3	2111.0	2380.9	2632.6	2939.0	3296.9	3685.1	3842.8	4046.0
12.5°	1146.5	1286.0	1528.6	1753.1	2001.8	2256.6	2547.7	3026.9	3466.7	3685.1	3888.3
15°	670.3	840.1	1049.4	1413.4	1744.0	2029.1	2320.2	2805.5	3339.3	3621.4	3870.1
17.5°	339.7	391.3	564.1	879.6	1316.3	1783.4	2217.1	2835.9	3436.4	3782.2	3988.4
20°	254.8	269.9	318.5	467.1	900.8	1474.0	2120.1	2881.4	3706.3	4127.9	4240.1
22.5°	221.4	233.5	254.8	303.3	506.5	1128.3	1983.6	2993.6	4073.3	4470.6	4707.2
25°	188.0	200.2	218.4	248.7	324.5	767.4	1816.8	3111.9	4400.9	4901.3	5122.7
27.5°	163.8	172.9	191.1	215.3	263.9	488.3	1528.6	3269.6	4901.3	5423.0	5480.6
30°	139.5	148.6	163.8	191.1	224.4	345.8	1122.2	3290.8	5177.3	5650.5	5811.2
32.5°	121.3	124.4	142.6	166.8	188.0	273.0	788.6	3312.0	5380.5	5944.7	5978.1
35°	100.1	106.2	124.4	139.5	163.8	215.3	597.5	3205.9	5644.4	6248.0	6238.9
37.5°	81.9	91.0	103.1	115.3	133.5	182.0	476.2	3008.7	5975.0	6718.1	6433.0
40°	63.7	72.8	84.9	100.1	112.2	163.8	357.9	2711.5	6320.8	6948.6	6645.3
42.5°	45.5	51.6	63.7	78.9	100.1	136.5	257.8	2359.7	6457.3	7218.6	6900.1
45°	33.4	39.4	48.5	66.7	103.1	109.2	178.9	2038.2	6602.9	7336.8	6842.5
47.5°	18.2	24.3	36.4	57.6	91.0	81.9	127.4	1750.0	6769.7	7443.0	6888.0
50°	6.1	9.1	21.2	60.7	72.8	63.7	100.1	1595.4	6933.4	7464.2	6978.9
52.5°	0.0	0.0	12.1	63.7	54.6	48.5	88.0	1534.7	6891.0	7530.9	6921.3
55°	0.0	0.0	3.0	27.3	30.3	36.4	72.8	1531.7	7191.3	7552.2	7236.7
57.5°	0.0	0.0	0.0	9.1	18.2	30.3	63.7	1434.6	7382.3	8079.9	7661.4
60°	0.0	0.0	0.0	3.0	12.1	21.2	48.5	1349.7	7576.4	8316.5	8116.3
62.5°	0.0	0.0	0.0	0.0	3.0	9.1	33.4	1219.3	7185.2	8298.3	8556.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	21.2	964.5	6463.3	7864.6	8313.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.1	667.3	5659.6	7318.6	7867.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403.4	4567.7	6417.8	6672.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.9	3260.5	5095.4	5474.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.8	2016.9	3724.5	4191.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	1307.2	2820.7	3181.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	697.6	1768.2	2056.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	303.3	1073.7	1237.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.1	652.1	743.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.1	133.5
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: P599153
 CATALOG NUMBER: IFLD-M-SA4A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8	4300.8
2.5°	4631.4	4719.4	4752.7	4701.2	4707.2	4601.1	4585.9	4437.3	4376.6	4388.8
5°	4843.7	4971.1	5040.9	4983.2	4852.8	4649.6	4464.6	4288.7	4179.5	4124.9
7.5°	4795.2	4937.7	5025.7	5080.3	4931.7	4604.1	4322.0	3991.4	3851.9	3854.9
10°	4528.3	4825.5	5004.5	4934.7	4864.9	4537.4	4100.6	3742.7	3618.4	3630.5
12.5°	4312.9	4643.5	4749.7	4804.3	4661.7	4400.9	4106.7	3697.2	3557.7	3472.8
15°	4179.5	4425.2	4431.2	4516.1	4458.5	4458.5	4170.4	3770.0	3648.7	3554.7
17.5°	4179.5	4234.1	4228.0	4258.3	4355.4	4470.6	4331.1	4064.2	3824.6	3809.5
20°	4273.5	4103.7	4064.2	4076.4	4158.2	4501.0	4686.0	4352.4	4200.7	4152.2
22.5°	4491.9	4118.8	3879.2	3836.8	4088.5	4497.9	4913.5	4807.3	4543.4	4504.0
25°	4792.1	4091.5	3830.7	3776.1	3967.2	4607.1	5225.9	5247.1	5007.5	4925.6
27.5°	5077.2	4212.8	3824.6	3812.5	4064.2	4582.9	5441.2	5598.9	5329.0	5262.3
30°	5174.3	4334.2	3936.8	3776.1	4100.6	4670.8	5435.1	5847.6	5671.7	5686.9
32.5°	5289.6	4455.5	3949.0	3885.3	4255.3	4813.4	5608.0	6248.0	6120.6	5941.7
35°	5459.4	4619.3	4064.2	4006.6	4364.5	4940.8	5644.4	6542.2	6521.0	6311.7
37.5°	5605.0	4780.0	4303.8	4312.9	4698.1	5147.0	5805.2	6903.1	6866.7	6724.2
40°	5708.1	5004.5	4676.9	4701.2	4989.3	5377.5	6090.3	7085.1	7355.0	7145.8
42.5°	5723.3	5204.6	5104.5	5298.7	5568.6	5735.4	6205.5	7209.5	7597.7	7461.2
45°	5780.9	5523.1	5802.1	5944.7	6166.1	6050.8	6199.5	7421.8	7615.9	7546.1
47.5°	6005.3	6102.4	6454.2	6888.0	6966.8	6587.7	6345.0	7455.1	7719.0	7709.9
50°	6238.9	6724.2	7218.6	7506.7	7606.8	6957.7	6481.5	7427.8	7855.5	7782.7
52.5°	6499.7	7264.0	7976.8	8331.7	8277.1	7367.2	6636.2	7649.2	8107.2	8083.0
55°	6663.5	7506.7	8465.1	8959.5	8917.0	7825.2	7127.6	7967.7	8437.8	8377.2
57.5°	7097.2	7901.0	8950.4	9180.9	9293.1	8425.7	7470.3	8489.4	8713.8	8780.5
60°	7455.1	8158.8	9077.8	9411.4	9450.8	8783.6	8070.8	9026.2	9065.7	8841.2
62.5°	7979.8	8258.9	8807.8	9108.1	9311.3	8986.8	8610.7	9314.4	9059.6	9044.4
65°	8365.0	7931.3	8304.4	8471.2	8601.6	8677.4	9153.6	9511.5	8947.4	8653.2
67.5°	8149.7	7312.6	7242.8	7251.9	7291.3	7749.3	8971.6	9029.3	8322.6	8079.9
70°	7173.1	5999.3	5905.3	5978.1	5780.9	6332.9	8234.6	8207.3	7342.9	7091.2
72.5°	5802.1	4373.6	4212.8	4312.9	4358.4	4943.8	6927.4	6223.7	5356.3	5159.1
75°	4610.2	3205.9	2705.4	2948.1	3102.8	3600.2	5410.9	4228.0	3739.7	3472.8
77.5°	3621.4	2426.4	2104.9	2007.8	2150.4	2617.5	3936.8	2220.2	1959.3	1835.0
80°	2296.0	1783.4	1935.1	1795.5	1856.2	1868.3	2050.3	1010.0	803.7	794.6
82.5°	1383.1	1219.3	1449.8	797.7	1452.8	1298.1	852.3	458.0	406.4	406.4
85°	979.7	755.2	500.4	324.5	646.0	712.8	330.6	236.6	206.2	200.2
87.5°	491.3	233.5	112.2	72.8	81.9	133.5	39.4	18.2	18.2	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)