

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: P599216

Luminaire Tested: **IFLD-L-SA7A-735-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599216
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-735-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

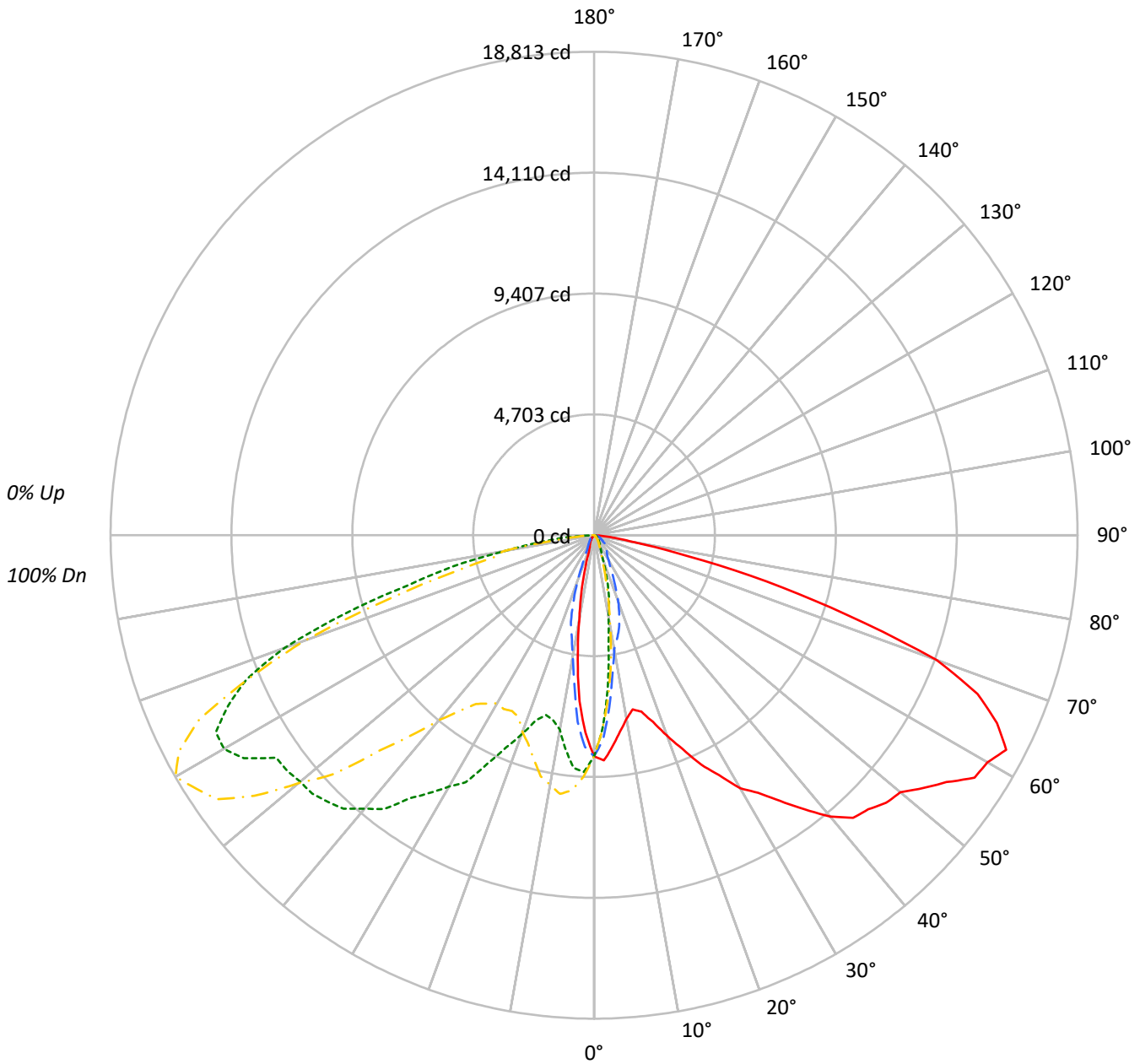
Lumens per Lamp: N/A
 Luminaire Lumens: 22487.4 lumens
 Efficiency: N/A
 Efficacy: 103.3 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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

TEST NUMBER: P599216
CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

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°	46268	46268	46268	46268
5°	44545	32557	35047	49098
10°	39660	17726	17958	41979
15°	39591	11823	7229	40334
20°	47536	5903	2882	47258
25°	58468	3708	2232	58180
30°	70645	2977	1695	70192
35°	82892	2390	1315	82056
40°	100352	2044	852	97584
45°	114808	1846	461	111624
50°	130255	1777	101	124925
55°	157123	1707	0	141649
60°	190229	1436	0	178938
65°	220273	1158	0	200199
70°	223049	954	0	201870
75°	144350	630	0	154813
80°	49230	189	0	109549
85°	24707	0	0	80492

TEST NUMBER: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.2	2.9
10°-20°	1261.0	5.6
20°-30°	1756.3	7.8
30°-40°	2495.5	11.1
40°-50°	3460.5	15.4
50°-60°	4715.1	21.0
60°-70°	5183.9	23.1
70°-80°	2547.9	11.3
80°-90°	416.1	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°	3668.5	16.3
0°-40°	6164.0	27.4
0°-60°	14339.6	63.8
0°-90°	22487.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22487.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8597	8597	8597	8597	8597	
5°	8245	6026	6487	9088	8245	755
15°	7106	2122	1297	7239	7106	2103
25°	9846	624	376	9797	9846	4578
35°	12616	364	200	12489	12616	8009
45°	15084	242	61	14666	15084	11693
55°	16745	182	0	15096	16745	15063
65°	17297	91	0	15721	17297	16716
75°	6942	30	0	7445	6942	7568
85°	400	0	0	1304	400	553
90°	0	0	0	0	0	

TEST NUMBER: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8772.7	8875.8	8778.8	8439.3	8378.7	8215.0	7966.4	7948.2	7687.5	7717.8	7578.4
5°	8245.3	8348.3	8142.2	7693.6	7275.2	6941.8	6741.7	6384.0	6305.2	6129.4	6129.4
7.5°	7705.7	7699.6	7348.0	6972.1	6347.7	5735.3	5456.4	4941.1	4638.0	4474.3	4316.6
10°	7257.1	7160.1	6941.8	6165.8	5486.7	4850.2	4504.6	4165.1	3849.8	3577.0	3304.2
12.5°	6941.8	7002.4	6656.9	5814.1	4935.0	4492.5	4122.6	3764.9	3389.1	3079.9	2776.7
15°	7105.5	7008.5	6602.3	5735.3	4844.1	4237.8	3746.8	3310.2	2891.9	2485.7	2255.3
17.5°	7614.8	7366.2	6887.2	5735.3	4656.2	3849.8	3255.7	2740.3	2291.7	1927.9	1643.0
20°	8299.8	8014.9	7499.6	5947.5	4516.7	3564.9	2752.5	2103.8	1636.9	1297.4	1079.2
22.5°	9003.1	8778.8	8002.8	6032.4	4353.0	3182.9	2170.4	1521.7	1091.3	873.0	763.9
25°	9845.8	9530.6	8681.8	6371.9	4110.5	2813.1	1709.7	1061.0	812.4	697.2	630.5
27.5°	10518.8	10464.2	9318.4	6578.0	3928.6	2510.0	1352.0	842.7	673.0	588.1	545.6
30°	11367.6	11070.5	10094.4	6990.3	3722.5	2164.4	1127.7	757.8	618.4	527.5	497.1
32.5°	11876.8	11737.4	10500.6	7220.7	3492.1	1879.4	970.0	666.9	563.8	497.1	466.8
35°	12616.5	12337.6	11082.6	7366.2	3370.9	1715.7	873.0	606.3	472.9	406.2	369.8
37.5°	13441.0	13338.0	11779.8	7360.1	3195.0	1618.7	806.3	563.8	448.6	375.9	333.4
40°	14283.7	13865.4	12204.2	7529.9	3104.1	1546.0	757.8	539.6	424.4	357.7	303.1
42.5°	14914.3	14435.3	12695.3	7469.3	2995.0	1418.7	739.7	503.2	406.2	327.4	278.9
45°	15084.0	14914.3	13137.9	7451.1	2916.2	1315.6	709.3	497.1	394.1	309.2	260.7
47.5°	15411.4	15296.2	13683.5	7481.4	2855.5	1236.8	636.6	509.3	375.9	291.0	248.6
50°	15556.9	15350.8	14126.1	7554.1	2716.1	1139.8	569.9	533.5	369.8	284.9	236.4
52.5°	16157.1	15975.2	14732.4	7760.3	2600.9	1012.5	503.2	509.3	382.0	266.8	224.3
55°	16745.2	16539.1	15666.0	8233.2	2437.2	909.4	430.5	448.6	363.8	242.5	200.1
57.5°	17551.5	17212.0	16290.5	8427.2	2291.7	770.0	382.0	369.8	339.5	218.3	175.8
60°	17672.8	17812.2	16199.6	8305.9	2140.1	679.0	333.4	284.9	363.8	194.0	151.6
62.5°	18079.0	17497.0	15775.2	8027.0	2031.0	624.5	297.1	236.4	315.3	169.8	127.3
65°	17296.9	16866.5	14780.9	7129.7	1891.6	630.5	260.7	194.0	200.1	139.4	103.1
67.5°	16151.1	15811.5	13131.8	6153.6	1752.1	618.4	230.4	169.8	151.6	121.3	90.9
70°	14174.6	13441.0	11155.4	4995.7	1546.0	576.0	194.0	151.6	127.3	97.0	66.7
72.5°	10312.7	10015.6	8002.8	3861.9	1388.4	521.4	181.9	127.3	109.1	72.8	54.6
75°	6941.8	6450.7	5050.2	2534.2	1115.5	454.7	151.6	115.2	84.9	54.6	42.4
77.5°	3667.9	3467.9	2861.6	1206.5	618.4	212.2	84.9	66.7	48.5	42.4	24.3
80°	1588.4	1412.6	1236.8	491.1	218.3	97.0	54.6	36.4	30.3	24.3	12.1
82.5°	812.4	776.0	642.6	212.2	127.3	72.8	30.3	24.3	18.2	12.1	6.1
85°	400.1	412.3	339.5	66.7	72.8	42.4	6.1	6.1	0.0	0.0	0.0
87.5°	30.3	30.3	24.3	12.1	18.2	6.1	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

TEST NUMBER: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	7523.8	7608.7	7463.2	7554.1	7511.7	7529.9	7548.1	7499.6	7511.7	7681.4	7687.5
5°	6026.3	6190.0	6129.4	6214.3	6359.8	6287.0	6353.7	6341.6	6353.7	6378.0	6487.1
7.5°	4298.5	4250.0	4365.1	4589.5	4850.2	5007.8	4929.0	4886.5	4862.3	4801.7	4874.4
10°	3243.5	3219.3	3189.0	3255.7	3425.4	3601.2	3698.3	3534.6	3443.6	3328.4	3286.0
12.5°	2691.8	2540.3	2455.4	2352.3	2400.8	2558.5	2564.5	2406.9	2261.4	2200.8	2267.5
15°	2121.9	2018.9	1867.3	1721.8	1649.1	1770.3	1667.2	1515.7	1327.7	1303.5	1297.4
17.5°	1515.7	1455.0	1345.9	1285.3	1200.4	1170.1	1061.0	830.6	697.2	660.8	673.0
20°	1030.7	982.2	976.1	921.5	885.2	860.9	685.1	533.5	491.1	497.1	503.2
22.5°	763.9	739.7	709.3	703.3	673.0	642.6	503.2	448.6	418.3	418.3	436.5
25°	624.5	612.3	582.0	569.9	557.8	515.3	424.4	382.0	369.8	357.7	375.9
27.5°	533.5	527.5	509.3	491.1	479.0	436.5	369.8	333.4	321.3	321.3	321.3
30°	479.0	479.0	454.7	418.3	418.3	369.8	315.3	291.0	278.9	278.9	272.8
32.5°	448.6	436.5	406.2	382.0	363.8	315.3	278.9	254.6	236.4	236.4	242.5
35°	363.8	363.8	357.7	339.5	315.3	266.8	236.4	212.2	200.1	194.0	200.1
37.5°	321.3	303.1	278.9	284.9	272.8	230.4	200.1	181.9	163.7	163.7	163.7
40°	291.0	272.8	248.6	230.4	224.3	206.1	175.8	145.5	127.3	121.3	121.3
42.5°	260.7	248.6	212.2	181.9	175.8	175.8	133.4	109.1	90.9	90.9	90.9
45°	242.5	224.3	194.0	157.6	127.3	133.4	109.1	78.8	66.7	60.6	60.6
47.5°	230.4	212.2	169.8	133.4	97.0	97.0	78.8	54.6	42.4	36.4	36.4
50°	212.2	194.0	151.6	109.1	72.8	60.6	48.5	30.3	18.2	12.1	12.1
52.5°	200.1	181.9	133.4	90.9	60.6	42.4	30.3	6.1	0.0	0.0	0.0
55°	181.9	157.6	115.2	72.8	48.5	24.3	6.1	0.0	0.0	0.0	0.0
57.5°	157.6	139.4	90.9	54.6	30.3	6.1	0.0	0.0	0.0	0.0	0.0
60°	133.4	115.2	72.8	42.4	12.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	109.1	97.0	54.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	90.9	72.8	42.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	78.8	60.6	30.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	60.6	42.4	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	42.4	30.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	30.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	18.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.1	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



TEST NUMBER: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	7711.8	7893.6	8063.4	8111.9	8245.3	8615.1	8615.1	8790.9	9106.2	9221.4	9245.6
5°	6505.3	6699.3	6735.7	7111.6	7287.4	7663.3	7911.8	8506.0	8863.7	9088.0	9227.4
7.5°	4947.2	5013.9	5153.3	5504.9	5850.5	6305.2	6778.1	7535.9	8166.5	8421.1	8894.0
10°	3401.2	3601.2	3904.4	4219.6	4759.2	5262.4	5874.8	6590.2	7366.2	7681.4	8087.7
12.5°	2291.7	2570.6	3055.6	3504.2	4001.4	4510.7	5092.7	6050.6	6929.7	7366.2	7772.4
15°	1339.9	1679.4	2097.7	2825.2	3486.1	4056.0	4638.0	5608.0	6675.0	7238.9	7736.0
17.5°	679.0	782.1	1127.7	1758.2	2631.2	3564.9	4431.8	5668.6	6869.0	7560.2	7972.5
20°	509.3	539.6	636.6	933.7	1800.6	2946.5	4237.8	5759.6	7408.6	8251.3	8475.7
22.5°	442.6	466.8	509.3	606.3	1012.5	2255.3	3965.0	5983.9	8142.2	8936.4	9409.3
25°	375.9	400.1	436.5	497.1	648.7	1533.9	3631.6	6220.3	8797.0	9797.3	10239.9
27.5°	327.4	345.6	382.0	430.5	527.5	976.1	3055.6	6535.6	9797.3	10840.1	10955.3
30°	278.9	297.1	327.4	382.0	448.6	691.1	2243.2	6578.0	10349.0	11294.8	11616.1
32.5°	242.5	248.6	284.9	333.4	375.9	545.6	1576.3	6620.5	10755.2	11882.9	11949.6
35°	200.1	212.2	248.6	278.9	327.4	430.5	1194.4	6408.3	11282.7	12489.2	12471.0
37.5°	163.7	181.9	206.1	230.4	266.8	363.8	951.8	6014.2	11943.5	13428.9	12859.0
40°	127.3	145.5	169.8	200.1	224.3	327.4	715.4	5420.1	12634.7	13889.7	13283.4
42.5°	90.9	103.1	127.3	157.6	200.1	272.8	515.3	4716.8	12907.5	14429.2	13792.7
45°	66.7	78.8	97.0	133.4	206.1	218.3	357.7	4074.1	13198.5	14665.7	13677.5
47.5°	36.4	48.5	72.8	115.2	181.9	163.7	254.6	3498.2	13532.0	14877.9	13768.4
50°	12.1	18.2	42.4	121.3	145.5	127.3	200.1	3189.0	13859.3	14920.3	13950.3
52.5°	0.0	0.0	24.3	127.3	109.1	97.0	175.8	3067.7	13774.5	15053.7	13835.1
55°	0.0	0.0	6.1	54.6	60.6	72.8	145.5	3061.7	14374.7	15096.1	14465.6
57.5°	0.0	0.0	0.0	18.2	36.4	60.6	127.3	2867.7	14756.6	16151.1	15314.4
60°	0.0	0.0	0.0	6.1	24.3	42.4	97.0	2697.9	15144.6	16623.9	16223.8
62.5°	0.0	0.0	0.0	0.0	6.1	18.2	66.7	2437.2	14362.6	16587.6	17102.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	42.4	1927.9	12919.6	15720.6	16617.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	24.3	1333.8	11313.0	14629.3	15726.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	806.3	9130.4	12828.7	13338.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	345.6	6517.4	10185.3	10943.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.4	4031.7	7445.0	8378.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.6	2613.0	5638.3	6359.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	1394.4	3534.6	4110.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	606.3	2146.2	2473.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194.0	1303.5	1485.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.1	266.8
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: P599216
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	9257.8	9433.6	9500.3	9397.2	9409.3	9197.1	9166.8	8869.7	8748.5	8772.7
5°	9682.1	9936.8	10076.2	9961.0	9700.3	9294.1	8924.3	8572.7	8354.4	8245.3
7.5°	9585.1	9870.1	10045.9	10155.0	9858.0	9203.2	8639.4	7978.5	7699.6	7705.7
10°	9051.6	9645.8	10003.5	9864.0	9724.6	9069.8	8196.8	7481.4	7232.8	7257.1
12.5°	8621.2	9282.0	9494.2	9603.3	9318.4	8797.0	8208.9	7390.4	7111.6	6941.8
15°	8354.4	8845.5	8857.6	9027.4	8912.2	8912.2	8336.2	7535.9	7293.4	7105.5
17.5°	8354.4	8463.5	8451.4	8512.0	8706.0	8936.4	8657.5	8124.0	7645.1	7614.8
20°	8542.4	8202.8	8124.0	8148.3	8312.0	8997.1	9366.9	8700.0	8396.8	8299.8
22.5°	8978.9	8233.2	7754.2	7669.3	8172.5	8991.0	9821.6	9609.4	9081.9	9003.1
25°	9579.1	8178.6	7657.2	7548.1	7930.0	9209.3	10446.0	10488.5	10009.5	9845.8
27.5°	10149.0	8421.1	7645.1	7620.8	8124.0	9160.8	10876.5	11191.8	10652.2	10518.8
30°	10343.0	8663.6	7869.4	7548.1	8196.8	9336.6	10864.4	11688.9	11337.3	11367.6
32.5°	10573.4	8906.1	7893.6	7766.3	8506.0	9621.5	11209.9	12489.2	12234.5	11876.8
35°	10912.9	9233.5	8124.0	8008.8	8724.2	9876.1	11282.7	13077.3	13034.8	12616.5
37.5°	11203.9	9554.8	8603.0	8621.2	9391.1	10288.4	11604.0	13798.7	13726.0	13441.0
40°	11410.0	10003.5	9348.7	9397.2	9973.2	10749.2	12173.9	14162.5	14702.1	14283.7
42.5°	11440.3	10403.6	10203.5	10591.5	11131.1	11464.6	12404.3	14411.1	15187.1	14914.3
45°	11555.5	11040.2	11598.0	11882.9	12325.5	12095.1	12392.2	14835.4	15223.5	15084.0
47.5°	12004.2	12198.2	12901.4	13768.4	13926.0	13168.2	12683.2	14902.1	15429.6	15411.4
50°	12471.0	13441.0	14429.2	15005.2	15205.3	13907.9	12956.0	14847.6	15702.4	15556.9
52.5°	12992.4	14520.2	15944.9	16654.3	16545.1	14726.3	13265.2	15290.1	16205.6	16157.1
55°	13319.8	15005.2	16921.0	17909.2	17824.4	15641.8	14247.4	15926.7	16866.5	16745.2
57.5°	14186.7	15793.4	17891.0	18351.8	18576.1	16842.2	14932.4	16969.5	17418.2	17551.5
60°	14902.1	16308.7	18145.7	18812.6	18891.4	17557.6	16132.9	18042.6	18121.4	17672.8
62.5°	15951.0	16508.8	17606.1	18206.3	18612.5	17963.8	17212.0	18618.6	18109.3	18079.0
65°	16720.9	15854.0	16599.7	16933.1	17193.8	17345.4	18297.3	19012.6	17885.0	17296.9
67.5°	16290.5	14617.2	14477.7	14495.9	14574.7	15490.2	17933.5	18048.7	16636.1	16151.1
70°	14338.3	11992.0	11804.1	11949.6	11555.5	12658.9	16460.2	16405.7	14677.8	14174.6
72.5°	11598.0	8742.4	8421.1	8621.2	8712.1	9882.2	13847.2	12440.7	10706.7	10312.7
75°	9215.3	6408.3	5407.9	5893.0	6202.1	7196.4	10815.9	8451.4	7475.3	6941.8
77.5°	7238.9	4850.2	4207.5	4013.5	4298.5	5232.1	7869.4	4437.9	3916.5	3667.9
80°	4589.5	3564.9	3868.0	3589.1	3710.4	3734.6	4098.4	2018.9	1606.6	1588.4
82.5°	2764.6	2437.2	2898.0	1594.5	2904.0	2594.8	1703.6	915.5	812.4	812.4
85°	1958.3	1509.6	1000.3	648.7	1291.4	1424.7	660.8	472.9	412.3	400.1
87.5°	982.2	466.8	224.3	145.5	163.7	266.8	78.8	36.4	36.4	30.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)