

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: P599201

Luminaire Tested: **IFLD-S-SA3A-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: P599201
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-735-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

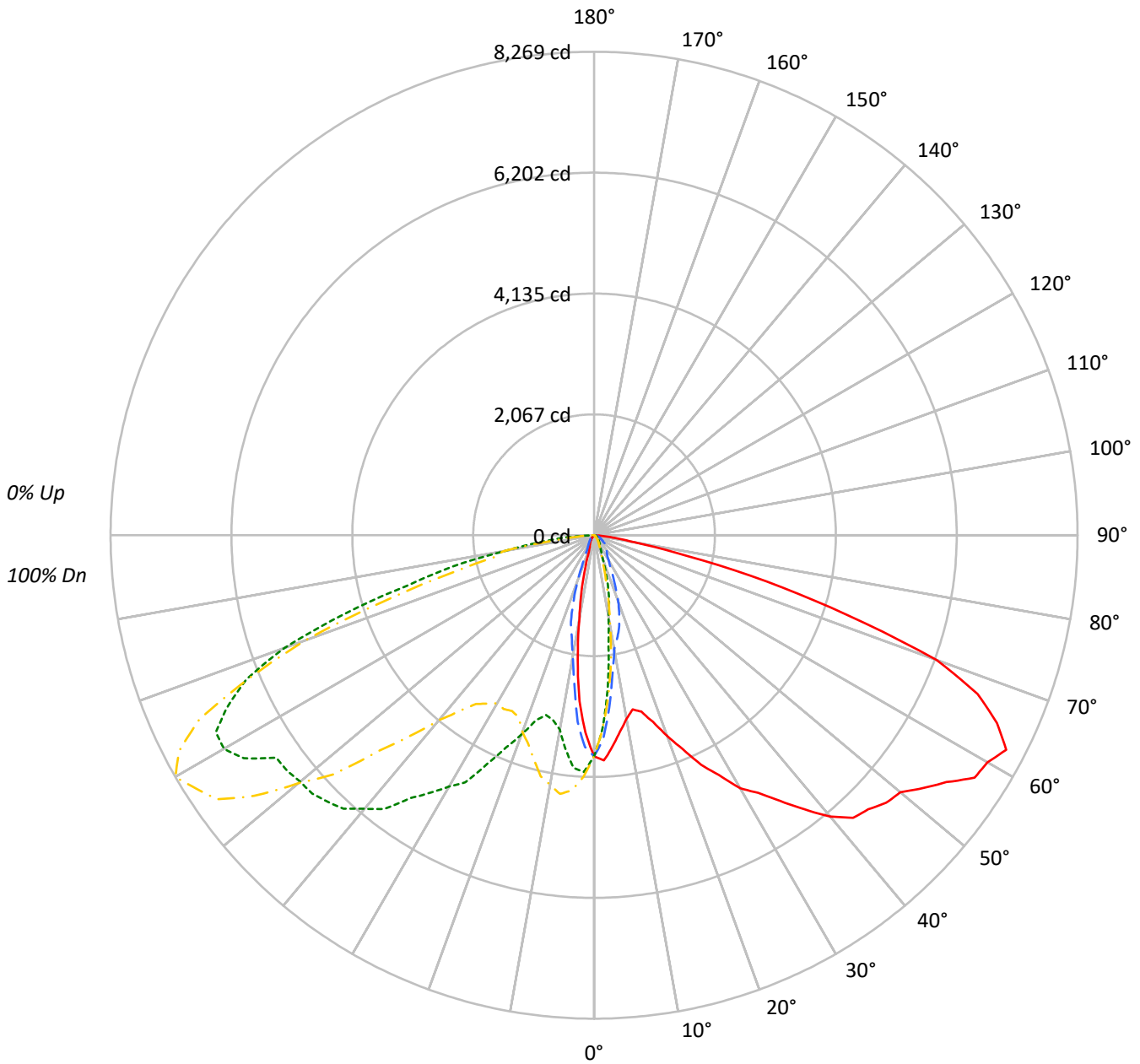
Lumens per Lamp: N/A
 Luminaire Lumens: 9884.6 lumens
 Efficiency: N/A
 Efficacy: 104.3 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 94.8
 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

TEST NUMBER: P599201
CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599201
 CATALOG NUMBER: IFLD-S-SA3A-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°	54234	54234	54234	54234
5°	52214	38162	41081	57550
10°	46487	20777	21050	49207
15°	46407	13858	8474	47277
20°	55720	6919	3378	55395
25°	68535	4347	2616	68196
30°	82808	3488	1987	82277
35°	97163	2802	1540	96184
40°	117630	2396	999	114385
45°	134575	2164	540	130842
50°	152680	2083	118	146433
55°	184175	1999	0	166037
60°	222980	1682	0	209747
65°	258197	1358	0	234667
70°	261449	1116	0	236624
75°	169205	738	0	181465
80°	57706	223	0	128412
85°	28965	0	0	94356

TEST NUMBER: P599201
 CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.3	2.9
10°-20°	554.3	5.6
20°-30°	772.0	7.8
30°-40°	1096.9	11.1
40°-50°	1521.1	15.4
50°-60°	2072.6	21.0
60°-70°	2278.7	23.1
70°-80°	1119.9	11.3
80°-90°	182.9	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°	1612.5	16.3
0°-40°	2709.5	27.4
0°-60°	6303.1	63.8
0°-90°	9884.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9884.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3779	3779	3779	3779	3779	
5°	3624	2649	2852	3995	3624	332
15°	3123	933	570	3182	3123	924
25°	4328	274	165	4306	4328	2012
35°	5546	160	88	5490	5546	3520
45°	6630	107	27	6446	6630	5140
55°	7361	80	0	6636	7361	6621
65°	7603	40	0	6910	7603	7347
75°	3051	13	0	3272	3051	3327
85°	176	0	0	573	176	243
90°	0	0	0	0	0	

TEST NUMBER: P599201
 CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9
2.5°	3856.2	3901.5	3858.8	3709.6	3682.9	3611.0	3501.7	3493.7	3379.1	3392.5	3331.2
5°	3624.3	3669.6	3579.0	3381.8	3197.9	3051.4	2963.4	2806.2	2771.5	2694.3	2694.3
7.5°	3387.1	3384.5	3229.9	3064.7	2790.2	2521.0	2398.4	2171.9	2038.7	1966.7	1897.4
10°	3189.9	3147.3	3051.4	2710.2	2411.8	2131.9	1980.0	1830.8	1692.2	1572.3	1452.4
12.5°	3051.4	3078.0	2926.1	2555.7	2169.3	1974.7	1812.2	1654.9	1489.7	1353.8	1220.5
15°	3123.3	3080.7	2902.1	2521.0	2129.3	1862.8	1646.9	1455.1	1271.2	1092.6	991.4
17.5°	3347.2	3237.9	3027.4	2521.0	2046.7	1692.2	1431.1	1204.6	1007.3	847.4	722.2
20°	3648.3	3523.0	3296.5	2614.3	1985.4	1567.0	1209.9	924.7	719.5	570.3	474.4
22.5°	3957.4	3858.8	3517.7	2651.6	1913.4	1399.1	954.0	668.9	479.7	383.8	335.8
25°	4327.9	4189.3	3816.2	2800.8	1806.8	1236.5	751.5	466.4	357.1	306.5	277.2
27.5°	4623.7	4599.7	4096.0	2891.5	1726.9	1103.3	594.3	370.4	295.8	258.5	239.8
30°	4996.8	4866.2	4437.1	3072.7	1636.3	951.4	495.7	333.1	271.8	231.8	218.5
32.5°	5220.6	5159.3	4615.7	3173.9	1535.0	826.1	426.4	293.1	247.8	218.5	205.2
35°	5545.7	5423.1	4871.5	3237.9	1481.7	754.2	383.8	266.5	207.9	178.6	162.6
37.5°	5908.2	5862.9	5178.0	3235.2	1404.4	711.5	354.4	247.8	197.2	165.2	146.6
40°	6278.6	6094.7	5364.5	3309.9	1364.4	679.6	333.1	237.2	186.5	157.2	133.2
42.5°	6555.7	6345.2	5580.4	3283.2	1316.5	623.6	325.1	221.2	178.6	143.9	122.6
45°	6630.4	6555.7	5774.9	3275.2	1281.8	578.3	311.8	218.5	173.2	135.9	114.6
47.5°	6774.3	6723.6	6014.8	3288.5	1255.2	543.6	279.8	223.9	165.2	127.9	109.3
50°	6838.2	6747.6	6209.3	3320.5	1193.9	501.0	250.5	234.5	162.6	125.3	103.9
52.5°	7102.1	7022.1	6475.8	3411.1	1143.3	445.0	221.2	223.9	167.9	117.3	98.6
55°	7360.6	7269.9	6886.2	3619.0	1071.3	399.7	189.2	197.2	159.9	106.6	87.9
57.5°	7715.0	7565.8	7160.7	3704.3	1007.3	338.4	167.9	162.6	149.2	95.9	77.3
60°	7768.3	7829.6	7120.7	3651.0	940.7	298.5	146.6	125.3	159.9	85.3	66.6
62.5°	7946.8	7691.0	6934.2	3528.4	892.8	274.5	130.6	103.9	138.6	74.6	56.0
65°	7603.1	7413.9	6497.1	3134.0	831.5	277.2	114.6	85.3	87.9	61.3	45.3
67.5°	7099.4	6950.2	5772.3	2704.9	770.2	271.8	101.3	74.6	66.6	53.3	40.0
70°	6230.6	5908.2	4903.5	2195.9	679.6	253.2	85.3	66.6	56.0	42.6	29.3
72.5°	4533.1	4402.5	3517.7	1697.6	610.3	229.2	79.9	56.0	48.0	32.0	24.0
75°	3051.4	2835.5	2219.9	1113.9	490.3	199.9	66.6	50.6	37.3	24.0	18.7
77.5°	1612.3	1524.3	1257.9	530.3	271.8	93.3	37.3	29.3	21.3	18.7	10.7
80°	698.2	620.9	543.6	215.9	95.9	42.6	24.0	16.0	13.3	10.7	5.3
82.5°	357.1	341.1	282.5	93.3	56.0	32.0	13.3	10.7	8.0	5.3	2.7
85°	175.9	181.2	149.2	29.3	32.0	18.7	2.7	2.7	0.0	0.0	0.0
87.5°	13.3	13.3	10.7	5.3	8.0	2.7	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: P599201
 CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9
2.5°	3307.2	3344.5	3280.5	3320.5	3301.9	3309.9	3317.8	3296.5	3301.9	3376.5	3379.1
5°	2648.9	2720.9	2694.3	2731.6	2795.5	2763.5	2792.9	2787.5	2792.9	2803.5	2851.5
7.5°	1889.4	1868.1	1918.8	2017.4	2131.9	2201.2	2166.6	2147.9	2137.3	2110.6	2142.6
10°	1425.7	1415.1	1401.8	1431.1	1505.7	1583.0	1625.6	1553.7	1513.7	1463.1	1444.4
12.5°	1183.2	1116.6	1079.3	1034.0	1055.3	1124.6	1127.3	1058.0	994.0	967.4	996.7
15°	932.7	887.4	820.8	756.8	724.9	778.2	732.9	666.2	583.6	573.0	570.3
17.5°	666.2	639.6	591.6	565.0	527.7	514.3	466.4	365.1	306.5	290.5	295.8
20°	453.0	431.7	429.1	405.1	389.1	378.4	301.1	234.5	215.9	218.5	221.2
22.5°	335.8	325.1	311.8	309.1	295.8	282.5	221.2	197.2	183.9	183.9	191.9
25°	274.5	269.2	255.8	250.5	245.2	226.5	186.5	167.9	162.6	157.2	165.2
27.5°	234.5	231.8	223.9	215.9	210.5	191.9	162.6	146.6	141.2	141.2	141.2
30°	210.5	210.5	199.9	183.9	183.9	162.6	138.6	127.9	122.6	122.6	119.9
32.5°	197.2	191.9	178.6	167.9	159.9	138.6	122.6	111.9	103.9	103.9	106.6
35°	159.9	159.9	157.2	149.2	138.6	117.3	103.9	93.3	87.9	85.3	87.9
37.5°	141.2	133.2	122.6	125.3	119.9	101.3	87.9	79.9	72.0	72.0	72.0
40°	127.9	119.9	109.3	101.3	98.6	90.6	77.3	64.0	56.0	53.3	53.3
42.5°	114.6	109.3	93.3	79.9	77.3	77.3	58.6	48.0	40.0	40.0	40.0
45°	106.6	98.6	85.3	69.3	56.0	58.6	48.0	34.6	29.3	26.6	26.6
47.5°	101.3	93.3	74.6	58.6	42.6	42.6	34.6	24.0	18.7	16.0	16.0
50°	93.3	85.3	66.6	48.0	32.0	26.6	21.3	13.3	8.0	5.3	5.3
52.5°	87.9	79.9	58.6	40.0	26.6	18.7	13.3	2.7	0.0	0.0	0.0
55°	79.9	69.3	50.6	32.0	21.3	10.7	2.7	0.0	0.0	0.0	0.0
57.5°	69.3	61.3	40.0	24.0	13.3	2.7	0.0	0.0	0.0	0.0	0.0
60°	58.6	50.6	32.0	18.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	48.0	42.6	24.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	40.0	32.0	18.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	34.6	26.6	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	26.6	18.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	18.7	13.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	13.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.7	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: P599201
 CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9
2.5°	3389.8	3469.7	3544.4	3565.7	3624.3	3786.9	3786.9	3864.2	4002.7	4053.4	4064.0
5°	2859.5	2944.8	2960.7	3126.0	3203.3	3368.5	3477.7	3738.9	3896.1	3994.7	4056.0
7.5°	2174.6	2203.9	2265.2	2419.8	2571.7	2771.5	2979.4	3312.5	3589.7	3701.6	3909.5
10°	1495.0	1583.0	1716.2	1854.8	2092.0	2313.2	2582.3	2896.8	3237.9	3376.5	3555.0
12.5°	1007.3	1129.9	1343.1	1540.3	1758.9	1982.7	2238.5	2659.6	3046.0	3237.9	3416.4
15°	589.0	738.2	922.1	1241.9	1532.3	1782.8	2038.7	2465.1	2934.1	3181.9	3400.5
17.5°	298.5	343.8	495.7	772.8	1156.6	1567.0	1948.1	2491.7	3019.4	3323.2	3504.4
20°	223.9	237.2	279.8	410.4	791.5	1295.2	1862.8	2531.7	3256.6	3627.0	3725.6
22.5°	194.5	205.2	223.9	266.5	445.0	991.4	1742.9	2630.3	3579.0	3928.1	4136.0
25°	165.2	175.9	191.9	218.5	285.1	674.2	1596.3	2734.2	3866.8	4306.5	4501.1
27.5°	143.9	151.9	167.9	189.2	231.8	429.1	1343.1	2872.8	4306.5	4764.9	4815.5
30°	122.6	130.6	143.9	167.9	197.2	303.8	986.0	2891.5	4549.0	4964.8	5106.0
32.5°	106.6	109.3	125.3	146.6	165.2	239.8	692.9	2910.1	4727.6	5223.3	5252.6
35°	87.9	93.3	109.3	122.6	143.9	189.2	525.0	2816.8	4959.4	5489.8	5481.8
37.5°	72.0	79.9	90.6	101.3	117.3	159.9	418.4	2643.6	5249.9	5902.8	5652.3
40°	56.0	64.0	74.6	87.9	98.6	143.9	314.5	2382.5	5553.7	6105.4	5838.9
42.5°	40.0	45.3	56.0	69.3	87.9	119.9	226.5	2073.3	5673.7	6342.5	6062.7
45°	29.3	34.6	42.6	58.6	90.6	95.9	157.2	1790.8	5801.6	6446.5	6012.1
47.5°	16.0	21.3	32.0	50.6	79.9	72.0	111.9	1537.7	5948.1	6539.8	6052.1
50°	5.3	8.0	18.7	53.3	64.0	56.0	87.9	1401.8	6092.0	6558.4	6132.0
52.5°	0.0	0.0	10.7	56.0	48.0	42.6	77.3	1348.5	6054.7	6617.0	6081.4
55°	0.0	0.0	2.7	24.0	26.6	32.0	64.0	1345.8	6318.6	6635.7	6358.5
57.5°	0.0	0.0	0.0	8.0	16.0	26.6	56.0	1260.5	6486.5	7099.4	6731.6
60°	0.0	0.0	0.0	2.7	10.7	18.7	42.6	1185.9	6657.0	7307.3	7131.4
62.5°	0.0	0.0	0.0	0.0	2.7	8.0	29.3	1071.3	6313.2	7291.3	7517.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	847.4	5679.0	6910.2	7304.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.7	586.3	4972.8	6430.5	6912.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	354.4	4013.4	5639.0	5862.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151.9	2864.8	4477.1	4810.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.3	1772.2	3272.5	3682.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	1148.6	2478.4	2795.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	612.9	1553.7	1806.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	266.5	943.4	1087.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.3	573.0	652.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.9	117.3
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: P599201
 CATALOG NUMBER: IFLD-S-SA3A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9	3778.9
2.5°	4069.4	4146.6	4176.0	4130.7	4136.0	4042.7	4029.4	3898.8	3845.5	3856.2
5°	4255.9	4367.8	4429.1	4378.5	4263.9	4085.3	3922.8	3768.2	3672.3	3624.3
7.5°	4213.3	4338.5	4415.8	4463.8	4333.2	4045.4	3797.5	3507.1	3384.5	3387.1
10°	3978.8	4239.9	4397.1	4335.9	4274.6	3986.7	3603.0	3288.5	3179.3	3189.9
12.5°	3789.5	4080.0	4173.3	4221.3	4096.0	3866.8	3608.3	3248.6	3126.0	3051.4
15°	3672.3	3888.1	3893.5	3968.1	3917.5	3917.5	3664.3	3312.5	3205.9	3123.3
17.5°	3672.3	3720.3	3714.9	3741.6	3826.8	3928.1	3805.5	3571.0	3360.5	3347.2
20°	3754.9	3605.7	3571.0	3581.7	3653.6	3954.8	4117.3	3824.2	3690.9	3648.3
22.5°	3946.8	3619.0	3408.5	3371.1	3592.3	3952.1	4317.2	4223.9	3992.1	3957.4
25°	4210.6	3595.0	3365.8	3317.8	3485.7	4048.0	4591.7	4610.3	4399.8	4327.9
27.5°	4461.1	3701.6	3360.5	3349.8	3571.0	4026.7	4780.9	4919.5	4682.3	4623.7
30°	4546.4	3808.2	3459.1	3317.8	3603.0	4104.0	4775.6	5138.0	4983.4	4996.8
32.5°	4647.6	3914.8	3469.7	3413.8	3738.9	4229.3	4927.5	5489.8	5377.8	5220.6
35°	4796.9	4058.7	3571.0	3520.4	3834.8	4341.2	4959.4	5748.3	5729.6	5545.7
37.5°	4924.8	4199.9	3781.5	3789.5	4128.0	4522.4	5100.7	6065.4	6033.4	5908.2
40°	5015.4	4397.1	4109.3	4130.7	4383.8	4724.9	5351.2	6225.3	6462.5	6278.6
42.5°	5028.7	4573.0	4485.1	4655.6	4892.8	5039.4	5452.5	6334.6	6675.7	6555.7
45°	5079.4	4852.8	5098.0	5223.3	5417.8	5316.5	5447.1	6521.1	6691.7	6630.4
47.5°	5276.6	5361.9	5671.0	6052.1	6121.4	5788.2	5575.0	6550.4	6782.3	6774.3
50°	5481.8	5908.2	6342.5	6595.7	6683.7	6113.4	5695.0	6526.4	6902.2	6838.2
52.5°	5711.0	6382.5	7008.8	7320.6	7272.6	6473.1	5830.9	6721.0	7123.4	7102.1
55°	5854.9	6595.7	7437.8	7872.2	7834.9	6875.5	6262.6	7000.8	7413.9	7360.6
57.5°	6236.0	6942.2	7864.2	8066.8	8165.4	7403.2	6563.7	7459.2	7656.4	7715.0
60°	6550.4	7168.7	7976.2	8269.3	8303.9	7717.7	7091.4	7930.9	7965.5	7768.3
62.5°	7011.4	7256.6	7739.0	8002.8	8181.4	7896.2	7565.8	8184.0	7960.2	7946.8
65°	7349.9	6968.8	7296.6	7443.2	7557.8	7624.4	8042.8	8357.2	7861.6	7603.1
67.5°	7160.7	6425.2	6363.9	6371.9	6406.5	6808.9	7882.9	7933.5	7312.6	7099.4
70°	6302.6	5271.2	5188.6	5252.6	5079.4	5564.4	7235.3	7211.3	6451.8	6230.6
72.5°	5098.0	3842.8	3701.6	3789.5	3829.5	4343.8	6086.7	5468.4	4706.3	4533.1
75°	4050.7	2816.8	2377.1	2590.3	2726.2	3163.3	4754.2	3714.9	3285.9	3051.4
77.5°	3181.9	2131.9	1849.5	1764.2	1889.4	2299.8	3459.1	1950.7	1721.5	1612.3
80°	2017.4	1567.0	1700.2	1577.6	1630.9	1641.6	1801.5	887.4	706.2	698.2
82.5°	1215.2	1071.3	1273.8	700.9	1276.5	1140.6	748.8	402.4	357.1	357.1
85°	860.8	663.6	439.7	285.1	567.6	626.3	290.5	207.9	181.2	175.9
87.5°	431.7	205.2	98.6	64.0	72.0	117.3	34.6	16.0	16.0	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)