

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: P599197

Luminaire Tested: **IFLD-S-SA2B-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: P599197
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2B-735-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

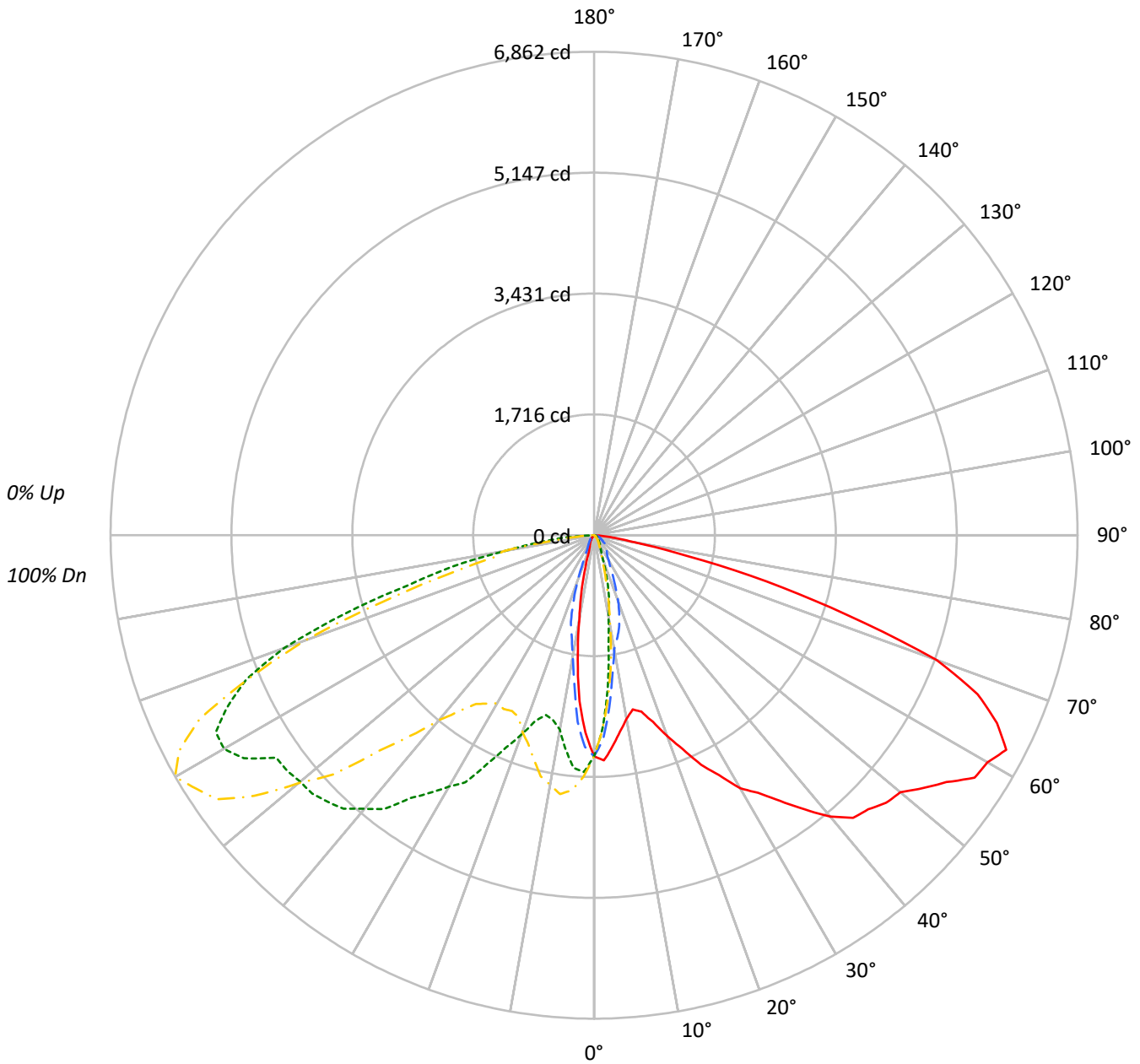
Lumens per Lamp: N/A
 Luminaire Lumens: 8202.9 lumens
 Efficiency: N/A
 Efficacy: 99.6 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 82.4
 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: P599197
CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599197
 CATALOG NUMBER: IFLD-S-SA2B-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°	67511	67511	67511	67511
5°	64997	47505	51138	71640
10°	57868	25865	26203	61252
15°	57766	17250	10549	58852
20°	69361	8614	4206	68955
25°	85312	5411	3257	84892
30°	103079	4343	2473	102418
35°	120949	3487	1918	119729
40°	146426	2984	1242	142387
45°	167517	2694	673	162871
50°	190057	2592	147	182280
55°	229261	2488	0	206685
60°	277567	2097	0	261094
65°	321401	1691	0	292111
70°	325454	1391	0	294549
75°	210621	923	0	225892
80°	71830	273	0	159839
85°	36063	0	0	117450

TEST NUMBER: P599197
 CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	2.9
10°-20°	460.0	5.6
20°-30°	640.7	7.8
30°-40°	910.3	11.1
40°-50°	1262.3	15.4
50°-60°	1720.0	21.0
60°-70°	1891.0	23.1
70°-80°	929.4	11.3
80°-90°	151.8	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°	1338.2	16.3
0°-40°	2248.5	27.4
0°-60°	5230.8	63.8
0°-90°	8202.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8202.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3136	3136	3136	3136	3136	
5°	3008	2198	2366	3315	3008	275
15°	2592	774	473	2641	2592	767
25°	3592	228	137	3574	3592	1670
35°	4602	133	73	4556	4602	2921
45°	5502	88	22	5350	5502	4265
55°	6108	66	0	5507	6108	5495
65°	6310	33	0	5734	6310	6097
75°	2532	11	0	2716	2532	2761
85°	146	0	0	476	146	202
90°	0	0	0	0	0	

TEST NUMBER: P599197
 CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0
2.5°	3200.1	3237.7	3202.3	3078.5	3056.4	2996.6	2906.0	2899.3	2804.2	2815.3	2764.4
5°	3007.7	3045.3	2970.1	2806.5	2653.9	2532.2	2459.2	2328.8	2300.0	2235.9	2235.9
7.5°	2810.9	2808.7	2680.4	2543.3	2315.5	2092.1	1990.4	1802.4	1691.8	1632.1	1574.6
10°	2647.2	2611.8	2532.2	2249.1	2001.5	1769.2	1643.2	1519.3	1404.3	1304.8	1205.3
12.5°	2532.2	2554.3	2428.3	2120.9	1800.2	1638.8	1503.9	1373.4	1236.3	1123.5	1012.9
15°	2591.9	2556.5	2408.4	2092.1	1767.0	1545.9	1366.7	1207.5	1054.9	906.7	822.7
17.5°	2777.7	2687.0	2512.3	2092.1	1698.5	1404.3	1187.6	999.6	836.0	703.3	599.3
20°	3027.6	2923.7	2735.7	2169.5	1647.6	1300.4	1004.0	767.4	597.1	473.3	393.7
22.5°	3284.1	3202.3	2919.2	2200.5	1587.9	1161.1	791.7	555.1	398.1	318.5	278.7
25°	3591.6	3476.6	3166.9	2324.3	1499.4	1026.2	623.7	387.0	296.3	254.3	230.0
27.5°	3837.0	3817.1	3399.1	2399.5	1433.1	915.6	493.2	307.4	245.5	214.5	199.0
30°	4146.7	4038.3	3682.2	2549.9	1357.9	789.5	411.3	276.4	225.6	192.4	181.3
32.5°	4332.4	4281.6	3830.4	2634.0	1273.9	685.6	353.8	243.3	205.7	181.3	170.3
35°	4602.2	4500.5	4042.7	2687.0	1229.6	625.9	318.5	221.2	172.5	148.2	134.9
37.5°	4903.0	4865.4	4297.0	2684.8	1165.5	590.5	294.1	205.7	163.7	137.1	121.6
40°	5210.4	5057.8	4451.8	2746.7	1132.3	563.9	276.4	196.8	154.8	130.5	110.6
42.5°	5440.4	5265.7	4631.0	2724.6	1092.5	517.5	269.8	183.6	148.2	119.4	101.7
45°	5502.3	5440.4	4792.4	2718.0	1063.8	479.9	258.8	181.3	143.8	112.8	95.1
47.5°	5621.8	5579.7	4991.5	2729.0	1041.6	451.2	232.2	185.8	137.1	106.2	90.7
50°	5674.8	5599.6	5152.9	2755.6	990.8	415.8	207.9	194.6	134.9	103.9	86.3
52.5°	5893.8	5827.4	5374.1	2830.8	948.8	369.3	183.6	185.8	139.3	97.3	81.8
55°	6108.3	6033.1	5714.6	3003.3	889.0	331.7	157.0	163.7	132.7	88.5	73.0
57.5°	6402.4	6278.6	5942.4	3074.1	836.0	280.9	139.3	134.9	123.8	79.6	64.1
60°	6446.7	6497.5	5909.3	3029.8	780.7	247.7	121.6	103.9	132.7	70.8	55.3
62.5°	6594.8	6382.5	5754.4	2928.1	740.9	227.8	108.4	86.3	115.0	61.9	46.4
65°	6309.5	6152.5	5391.8	2600.8	690.0	230.0	95.1	70.8	73.0	50.9	37.6
67.5°	5891.6	5767.7	4790.2	2244.7	639.1	225.6	84.0	61.9	55.3	44.2	33.2
70°	5170.6	4903.0	4069.2	1822.3	563.9	210.1	70.8	55.3	46.4	35.4	24.3
72.5°	3761.8	3653.5	2919.2	1408.8	506.4	190.2	66.3	46.4	39.8	26.5	19.9
75°	2532.2	2353.1	1842.2	924.4	406.9	165.9	55.3	42.0	31.0	19.9	15.5
77.5°	1338.0	1265.0	1043.9	440.1	225.6	77.4	31.0	24.3	17.7	15.5	8.8
80°	579.4	515.3	451.2	179.1	79.6	35.4	19.9	13.3	11.1	8.8	4.4
82.5°	296.3	283.1	234.4	77.4	46.4	26.5	11.1	8.8	6.6	4.4	2.2
85°	146.0	150.4	123.8	24.3	26.5	15.5	2.2	2.2	0.0	0.0	0.0
87.5°	11.1	11.1	8.8	4.4	6.6	2.2	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: P599197
 CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0
2.5°	2744.5	2775.5	2722.4	2755.6	2740.1	2746.7	2753.4	2735.7	2740.1	2802.0	2804.2
5°	2198.3	2258.0	2235.9	2266.8	2319.9	2293.4	2317.7	2313.3	2317.7	2326.5	2366.4
7.5°	1568.0	1550.3	1592.3	1674.1	1769.2	1826.7	1798.0	1782.5	1773.7	1751.5	1778.1
10°	1183.2	1174.3	1163.3	1187.6	1249.5	1313.7	1349.0	1289.3	1256.2	1214.1	1198.7
12.5°	981.9	926.6	895.7	858.1	875.8	933.3	935.5	878.0	824.9	802.8	827.1
15°	774.0	736.4	681.2	628.1	601.5	645.8	608.2	552.9	484.3	475.5	473.3
17.5°	552.9	530.8	491.0	468.8	437.9	426.8	387.0	303.0	254.3	241.1	245.5
20°	376.0	358.3	356.1	336.2	322.9	314.0	249.9	194.6	179.1	181.3	183.6
22.5°	278.7	269.8	258.8	256.5	245.5	234.4	183.6	163.7	152.6	152.6	159.2
25°	227.8	223.4	212.3	207.9	203.5	188.0	154.8	139.3	134.9	130.5	137.1
27.5°	194.6	192.4	185.8	179.1	174.7	159.2	134.9	121.6	117.2	117.2	117.2
30°	174.7	174.7	165.9	152.6	152.6	134.9	115.0	106.2	101.7	101.7	99.5
32.5°	163.7	159.2	148.2	139.3	132.7	115.0	101.7	92.9	86.3	86.3	88.5
35°	132.7	132.7	130.5	123.8	115.0	97.3	86.3	77.4	73.0	70.8	73.0
37.5°	117.2	110.6	101.7	103.9	99.5	84.0	73.0	66.3	59.7	59.7	59.7
40°	106.2	99.5	90.7	84.0	81.8	75.2	64.1	53.1	46.4	44.2	44.2
42.5°	95.1	90.7	77.4	66.3	64.1	64.1	48.7	39.8	33.2	33.2	33.2
45°	88.5	81.8	70.8	57.5	46.4	48.7	39.8	28.8	24.3	22.1	22.1
47.5°	84.0	77.4	61.9	48.7	35.4	35.4	28.8	19.9	15.5	13.3	13.3
50°	77.4	70.8	55.3	39.8	26.5	22.1	17.7	11.1	6.6	4.4	4.4
52.5°	73.0	66.3	48.7	33.2	22.1	15.5	11.1	2.2	0.0	0.0	0.0
55°	66.3	57.5	42.0	26.5	17.7	8.8	2.2	0.0	0.0	0.0	0.0
57.5°	57.5	50.9	33.2	19.9	11.1	2.2	0.0	0.0	0.0	0.0	0.0
60°	48.7	42.0	26.5	15.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	39.8	35.4	19.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	33.2	26.5	15.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	28.8	22.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	22.1	15.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	15.5	11.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	11.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.2	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: P599197
 CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0
2.5°	2813.1	2879.4	2941.4	2959.1	3007.7	3142.6	3142.6	3206.7	3321.7	3363.8	3372.6
5°	2373.0	2443.8	2457.0	2594.1	2658.3	2795.4	2886.1	3102.8	3233.3	3315.1	3366.0
7.5°	1804.6	1828.9	1879.8	2008.1	2134.1	2300.0	2472.5	2749.0	2979.0	3071.8	3244.3
10°	1240.7	1313.7	1424.2	1539.2	1736.1	1919.6	2143.0	2404.0	2687.0	2802.0	2950.2
12.5°	836.0	937.7	1114.6	1278.3	1459.6	1645.4	1857.7	2207.1	2527.8	2687.0	2835.2
15°	488.8	612.6	765.2	1030.6	1271.6	1479.5	1691.8	2045.7	2434.9	2640.6	2821.9
17.5°	247.7	285.3	411.3	641.3	959.8	1300.4	1616.6	2067.8	2505.7	2757.8	2908.2
20°	185.8	196.8	232.2	340.6	656.8	1074.8	1545.9	2101.0	2702.5	3009.9	3091.7
22.5°	161.4	170.3	185.8	221.2	369.3	822.7	1446.4	2182.8	2970.1	3259.8	3432.3
25°	137.1	146.0	159.2	181.3	236.6	559.5	1324.7	2269.0	3209.0	3573.9	3735.3
27.5°	119.4	126.1	139.3	157.0	192.4	356.1	1114.6	2384.0	3573.9	3954.2	3996.3
30°	101.7	108.4	119.4	139.3	163.7	252.1	818.3	2399.5	3775.1	4120.1	4237.3
32.5°	88.5	90.7	103.9	121.6	137.1	199.0	575.0	2415.0	3923.3	4334.6	4359.0
35°	73.0	77.4	90.7	101.7	119.4	157.0	435.7	2337.6	4115.7	4555.8	4549.2
37.5°	59.7	66.3	75.2	84.0	97.3	132.7	347.2	2193.9	4356.7	4898.6	4690.7
40°	46.4	53.1	61.9	73.0	81.8	119.4	261.0	1977.1	4608.9	5066.7	4845.5
42.5°	33.2	37.6	46.4	57.5	73.0	99.5	188.0	1720.6	4708.4	5263.5	5031.3
45°	24.3	28.8	35.4	48.7	75.2	79.6	130.5	1486.2	4814.5	5349.7	4989.3
47.5°	13.3	17.7	26.5	42.0	66.3	59.7	92.9	1276.1	4936.2	5427.1	5022.4
50°	4.4	6.6	15.5	44.2	53.1	46.4	73.0	1163.3	5055.6	5442.6	5088.8
52.5°	0.0	0.0	8.8	46.4	39.8	35.4	64.1	1119.0	5024.6	5491.3	5046.8
55°	0.0	0.0	2.2	19.9	22.1	26.5	53.1	1116.8	5243.6	5506.8	5276.8
57.5°	0.0	0.0	0.0	6.6	13.3	22.1	46.4	1046.1	5382.9	5891.6	5586.4
60°	0.0	0.0	0.0	2.2	8.8	15.5	35.4	984.1	5524.4	6064.1	5918.1
62.5°	0.0	0.0	0.0	0.0	2.2	6.6	24.3	889.0	5239.2	6050.8	6238.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	15.5	703.3	4712.8	5734.5	6061.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.8	486.5	4126.7	5336.5	5736.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294.1	3330.6	4679.6	4865.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.1	2377.4	3715.4	3991.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9	1470.7	2715.8	3056.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	953.2	2056.7	2319.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	508.7	1289.3	1499.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	221.2	782.9	902.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.8	475.5	541.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.0	97.3
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: P599197
 CATALOG NUMBER: IFLD-S-SA2B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0	3136.0
2.5°	3377.0	3441.2	3465.5	3427.9	3432.3	3354.9	3343.9	3235.5	3191.3	3200.1
5°	3531.8	3624.7	3675.6	3633.6	3538.5	3390.3	3255.4	3127.1	3047.5	3007.7
7.5°	3496.5	3600.4	3664.5	3704.3	3596.0	3357.1	3151.5	2910.4	2808.7	2810.9
10°	3301.8	3518.6	3649.1	3598.2	3547.3	3308.5	2990.0	2729.0	2638.4	2647.2
12.5°	3144.8	3385.9	3463.3	3503.1	3399.1	3209.0	2994.4	2695.9	2594.1	2532.2
15°	3047.5	3226.6	3231.1	3293.0	3251.0	3251.0	3040.9	2749.0	2660.5	2591.9
17.5°	3047.5	3087.3	3082.9	3105.0	3175.8	3259.8	3158.1	2963.5	2788.8	2777.7
20°	3116.1	2992.2	2963.5	2972.3	3032.0	3281.9	3416.8	3173.6	3063.0	3027.6
22.5°	3275.3	3003.3	2828.6	2797.6	2981.2	3279.7	3582.7	3505.3	3312.9	3284.1
25°	3494.2	2983.4	2793.2	2753.4	2892.7	3359.3	3810.5	3826.0	3651.3	3591.6
27.5°	3702.1	3071.8	2788.8	2779.9	2963.5	3341.6	3967.5	4082.5	3885.7	3837.0
30°	3772.9	3160.3	2870.6	2753.4	2990.0	3405.8	3963.1	4263.9	4135.6	4146.7
32.5°	3856.9	3248.8	2879.4	2833.0	3102.8	3509.7	4089.2	4555.8	4462.9	4332.4
35°	3980.8	3368.2	2963.5	2921.5	3182.4	3602.6	4115.7	4770.3	4754.8	4602.2
37.5°	4086.9	3485.4	3138.2	3144.8	3425.7	3753.0	4232.9	5033.5	5006.9	4903.0
40°	4162.1	3649.1	3410.2	3427.9	3638.0	3921.1	4440.8	5166.2	5363.0	5210.4
42.5°	4173.2	3795.0	3722.0	3863.6	4060.4	4182.0	4524.8	5256.8	5539.9	5440.4
45°	4215.2	4027.2	4230.7	4334.6	4496.1	4412.0	4520.4	5411.7	5553.2	5502.3
47.5°	4378.9	4449.6	4706.2	5022.4	5079.9	4803.5	4626.6	5436.0	5628.4	5621.8
50°	4549.2	4903.0	5263.5	5473.6	5546.6	5073.3	4726.1	5416.1	5727.9	5674.8
52.5°	4739.3	5296.7	5816.4	6075.1	6035.3	5371.8	4838.9	5577.5	5911.5	5893.8
55°	4858.8	5473.6	6172.4	6532.9	6501.9	5705.8	5197.1	5809.7	6152.5	6108.3
57.5°	5175.0	5761.1	6526.3	6694.4	6776.2	6143.7	5447.0	6190.1	6353.8	6402.4
60°	5436.0	5949.1	6619.2	6862.4	6891.2	6404.6	5884.9	6581.6	6610.3	6446.7
62.5°	5818.6	6022.0	6422.3	6641.3	6789.5	6552.8	6278.6	6791.7	6605.9	6594.8
65°	6099.4	5783.2	6055.2	6176.9	6271.9	6327.2	6674.5	6935.4	6524.1	6309.5
67.5°	5942.4	5332.0	5281.2	5287.8	5316.6	5650.5	6541.8	6583.8	6068.5	5891.6
70°	5230.3	4374.4	4305.9	4359.0	4215.2	4617.7	6004.4	5984.4	5354.2	5170.6
72.5°	4230.7	3189.1	3071.8	3144.8	3178.0	3604.8	5051.2	4538.1	3905.6	3761.8
75°	3361.6	2337.6	1972.7	2149.6	2262.4	2625.1	3945.4	3082.9	2726.8	2532.2
77.5°	2640.6	1769.2	1534.8	1464.0	1568.0	1908.6	2870.6	1618.9	1428.7	1338.0
80°	1674.1	1300.4	1411.0	1309.2	1353.5	1362.3	1495.0	736.4	586.1	579.4
82.5°	1008.5	889.0	1057.1	581.6	1059.3	946.5	621.4	333.9	296.3	296.3
85°	714.3	550.7	364.9	236.6	471.1	519.7	241.1	172.5	150.4	146.0
87.5°	358.3	170.3	81.8	53.1	59.7	97.3	28.8	13.3	13.3	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)