

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: P599230

Luminaire Tested: **IFLD-S-SA3A-740-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: P599230
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-740-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

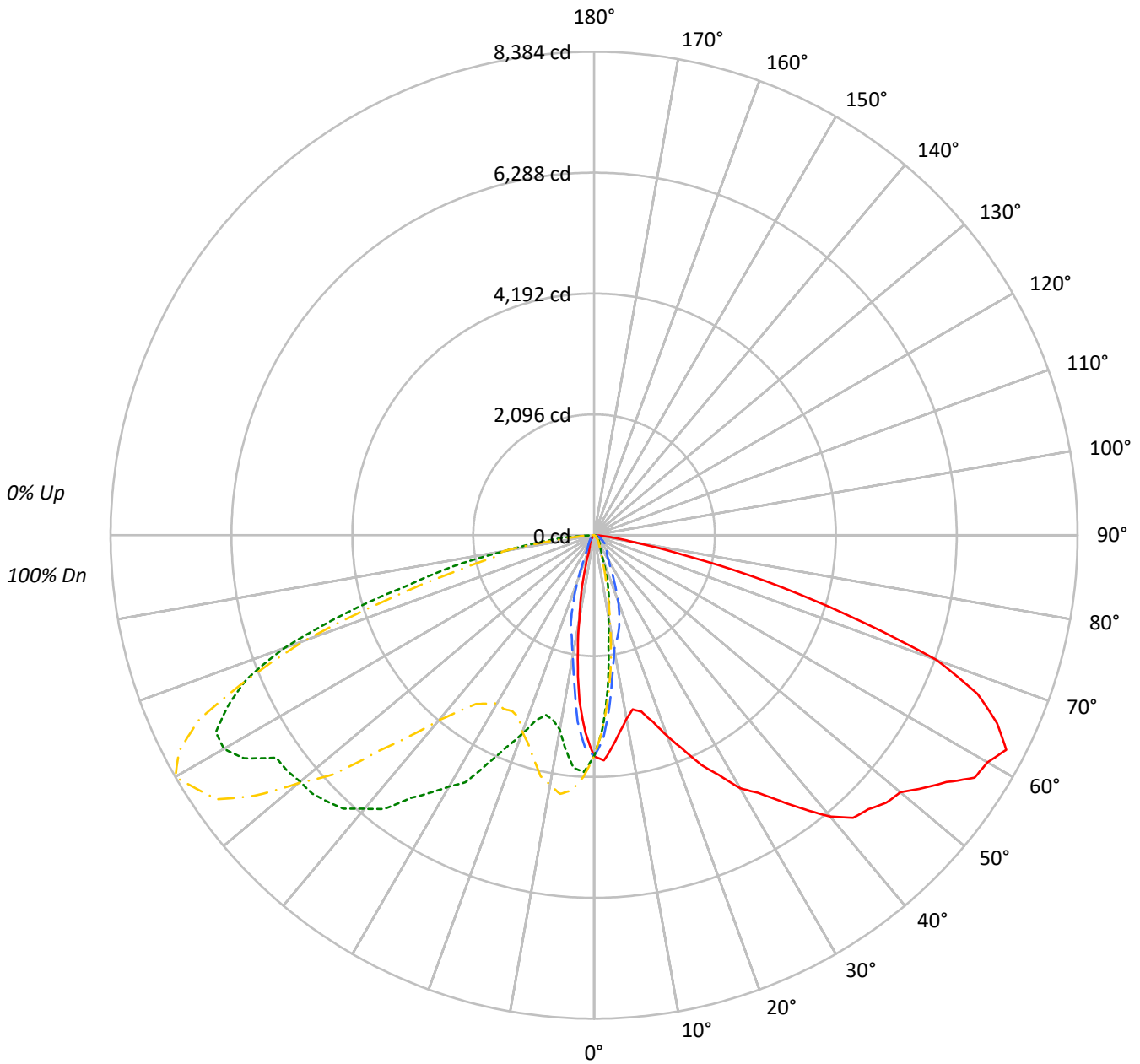
Lumens per Lamp: N/A
 Luminaire Lumens: 10021.9 lumens
 Efficiency: N/A
 Efficacy: 105.7 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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: P599230
CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-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°	54988	54988	54988	54988
5°	52940	38692	41651	58350
10°	47133	21066	21343	49890
15°	47051	14051	8591	47934
20°	56495	7015	3426	56165
25°	69486	4407	2652	69144
30°	83958	3538	2015	83419
35°	98514	2840	1563	97519
40°	119264	2430	1012	115974
45°	136444	2194	548	132659
50°	154802	2112	121	148467
55°	186732	2029	0	168344
60°	226077	1705	0	212661
65°	261783	1375	0	237927
70°	265083	1133	0	239910
75°	171550	749	0	183988
80°	58507	223	0	130189
85°	29361	0	0	95656

TEST NUMBER: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.2	2.9
10°-20°	562.0	5.6
20°-30°	782.7	7.8
30°-40°	1112.2	11.1
40°-50°	1542.2	15.4
50°-60°	2101.4	21.0
60°-70°	2310.3	23.1
70°-80°	1135.5	11.3
80°-90°	185.4	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°	1634.9	16.3
0°-40°	2747.1	27.4
0°-60°	6390.7	63.8
0°-90°	10021.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10021.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3831	3831	3831	3831	3831	
5°	3675	2686	2891	4050	3675	336
15°	3167	946	578	3226	3167	937
25°	4388	278	168	4366	4388	2040
35°	5623	162	89	5566	5623	3569
45°	6722	108	27	6536	6722	5211
55°	7463	81	0	6728	7463	6713
65°	7709	40	0	7006	7709	7450
75°	3094	14	0	3318	3094	3373
85°	178	0	0	581	178	247
90°	0	0	0	0	0	

TEST NUMBER: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4
2.5°	3909.7	3955.7	3912.4	3761.1	3734.1	3661.1	3550.4	3542.3	3426.1	3439.6	3377.4
5°	3674.7	3720.6	3628.7	3428.8	3242.3	3093.7	3004.6	2845.2	2810.0	2731.7	2731.7
7.5°	3434.2	3431.5	3274.8	3107.2	2828.9	2556.0	2431.8	2202.1	2067.0	1994.0	1923.8
10°	3234.2	3191.0	3093.7	2747.9	2445.3	2161.6	2007.6	1856.2	1715.7	1594.2	1472.6
12.5°	3093.7	3120.8	2966.7	2591.2	2199.4	2002.1	1837.3	1677.9	1510.4	1372.6	1237.5
15°	3166.7	3123.5	2942.4	2556.0	2158.9	1888.7	1669.8	1475.3	1288.8	1107.8	1005.1
17.5°	3393.7	3282.9	3069.4	2556.0	2075.1	1715.7	1450.9	1221.3	1021.3	859.2	732.2
20°	3699.0	3572.0	3342.3	2650.6	2013.0	1588.7	1226.7	937.6	729.5	578.2	480.9
22.5°	4012.4	3912.4	3566.6	2688.4	1940.0	1418.5	967.3	678.2	486.4	389.1	340.4
25°	4388.0	4247.5	3869.2	2839.8	1831.9	1253.7	762.0	472.8	362.1	310.7	281.0
27.5°	4687.9	4663.6	4152.9	2931.6	1750.9	1118.6	602.5	375.6	299.9	262.1	243.2
30°	5066.2	4933.8	4498.8	3115.4	1659.0	964.6	502.6	337.7	275.6	235.1	221.6
32.5°	5293.1	5231.0	4679.8	3218.0	1556.3	837.6	432.3	297.2	251.3	221.6	208.1
35°	5622.8	5498.5	4939.2	3282.9	1502.3	764.7	389.1	270.2	210.8	181.0	164.8
37.5°	5990.2	5944.3	5249.9	3280.2	1423.9	721.4	359.4	251.3	199.9	167.5	148.6
40°	6365.8	6179.4	5439.0	3355.8	1383.4	689.0	337.7	240.5	189.1	159.4	135.1
42.5°	6646.8	6433.4	5657.9	3328.8	1334.8	632.3	329.6	224.3	181.0	145.9	124.3
45°	6722.5	6646.8	5855.1	3320.7	1299.6	586.3	316.1	221.6	175.6	137.8	116.2
47.5°	6868.4	6817.0	6098.3	3334.2	1272.6	551.2	283.7	227.0	167.5	129.7	110.8
50°	6933.2	6841.3	6295.6	3366.6	1210.5	508.0	254.0	237.8	164.8	127.0	105.4
52.5°	7200.7	7119.6	6565.7	3458.5	1159.1	451.2	224.3	227.0	170.2	118.9	100.0
55°	7462.8	7370.9	6981.8	3669.3	1086.2	405.3	191.8	199.9	162.1	108.1	89.2
57.5°	7822.2	7670.8	7260.1	3755.7	1021.3	343.1	170.2	164.8	151.3	97.3	78.4
60°	7876.2	7938.3	7219.6	3701.7	953.8	302.6	148.6	127.0	162.1	86.5	67.5
62.5°	8057.2	7797.8	7030.5	3577.4	905.2	278.3	132.4	105.4	140.5	75.7	56.7
65°	7708.7	7516.8	6587.4	3177.5	843.0	281.0	116.2	86.5	89.2	62.1	45.9
67.5°	7198.0	7046.7	5852.4	2742.5	780.9	275.6	102.7	75.7	67.5	54.0	40.5
70°	6317.2	5990.2	4971.6	2226.4	689.0	256.7	86.5	67.5	56.7	43.2	29.7
72.5°	4596.0	4463.6	3566.6	1721.1	618.7	232.4	81.1	56.7	48.6	32.4	24.3
75°	3093.7	2874.9	2250.7	1129.4	497.2	202.6	67.5	51.3	37.8	24.3	18.9
77.5°	1634.7	1545.5	1275.3	537.7	275.6	94.6	37.8	29.7	21.6	18.9	10.8
80°	707.9	629.6	551.2	218.9	97.3	43.2	24.3	16.2	13.5	10.8	5.4
82.5°	362.1	345.9	286.4	94.6	56.7	32.4	13.5	10.8	8.1	5.4	2.7
85°	178.3	183.7	151.3	29.7	32.4	18.9	2.7	2.7	0.0	0.0	0.0
87.5°	13.5	13.5	10.8	5.4	8.1	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: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4
2.5°	3353.1	3391.0	3326.1	3366.6	3347.7	3355.8	3363.9	3342.3	3347.7	3423.4	3426.1
5°	2685.7	2758.7	2731.7	2769.5	2834.3	2801.9	2831.6	2826.2	2831.6	2842.5	2891.1
7.5°	1915.7	1894.1	1945.4	2045.4	2161.6	2231.8	2196.7	2177.8	2167.0	2139.9	2172.4
10°	1445.5	1434.7	1421.2	1450.9	1526.6	1605.0	1648.2	1575.2	1534.7	1483.4	1464.5
12.5°	1199.7	1132.1	1094.3	1048.4	1070.0	1140.2	1142.9	1072.7	1007.8	980.8	1010.5
15°	945.7	899.8	832.2	767.4	734.9	789.0	743.0	675.5	591.7	580.9	578.2
17.5°	675.5	648.5	599.8	572.8	535.0	521.5	472.8	370.2	310.7	294.5	299.9
20°	459.3	437.7	435.0	410.7	394.5	383.7	305.3	237.8	218.9	221.6	224.3
22.5°	340.4	329.6	316.1	313.4	299.9	286.4	224.3	199.9	186.4	186.4	194.5
25°	278.3	272.9	259.4	254.0	248.6	229.7	189.1	170.2	164.8	159.4	167.5
27.5°	237.8	235.1	227.0	218.9	213.5	194.5	164.8	148.6	143.2	143.2	143.2
30°	213.5	213.5	202.6	186.4	186.4	164.8	140.5	129.7	124.3	124.3	121.6
32.5°	199.9	194.5	181.0	170.2	162.1	140.5	124.3	113.5	105.4	105.4	108.1
35°	162.1	162.1	159.4	151.3	140.5	118.9	105.4	94.6	89.2	86.5	89.2
37.5°	143.2	135.1	124.3	127.0	121.6	102.7	89.2	81.1	73.0	73.0	73.0
40°	129.7	121.6	110.8	102.7	100.0	91.9	78.4	64.8	56.7	54.0	54.0
42.5°	116.2	110.8	94.6	81.1	78.4	78.4	59.4	48.6	40.5	40.5	40.5
45°	108.1	100.0	86.5	70.3	56.7	59.4	48.6	35.1	29.7	27.0	27.0
47.5°	102.7	94.6	75.7	59.4	43.2	43.2	35.1	24.3	18.9	16.2	16.2
50°	94.6	86.5	67.5	48.6	32.4	27.0	21.6	13.5	8.1	5.4	5.4
52.5°	89.2	81.1	59.4	40.5	27.0	18.9	13.5	2.7	0.0	0.0	0.0
55°	81.1	70.3	51.3	32.4	21.6	10.8	2.7	0.0	0.0	0.0	0.0
57.5°	70.3	62.1	40.5	24.3	13.5	2.7	0.0	0.0	0.0	0.0	0.0
60°	59.4	51.3	32.4	18.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	48.6	43.2	24.3	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	40.5	32.4	18.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	35.1	27.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	27.0	18.9	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	18.9	13.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	13.5	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	8.1	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: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4
2.5°	3436.9	3517.9	3593.6	3615.2	3674.7	3839.5	3839.5	3917.8	4058.3	4109.7	4120.5
5°	2899.2	2985.7	3001.9	3169.4	3247.7	3415.3	3526.0	3790.8	3950.3	4050.2	4112.4
7.5°	2204.8	2234.5	2296.7	2453.4	2607.4	2810.0	3020.8	3358.5	3639.5	3753.0	3963.8
10°	1515.8	1605.0	1740.1	1880.6	2121.0	2345.3	2618.2	2937.0	3282.9	3423.4	3604.4
12.5°	1021.3	1145.6	1361.8	1561.7	1783.3	2010.3	2269.6	2696.5	3088.3	3282.9	3463.9
15°	597.1	748.4	934.9	1259.1	1553.6	1807.6	2067.0	2499.3	2974.9	3226.1	3447.7
17.5°	302.6	348.6	502.6	783.6	1172.6	1588.7	1975.1	2526.3	3061.3	3369.3	3553.1
20°	227.0	240.5	283.7	416.1	802.5	1313.1	1888.7	2566.9	3301.8	3677.4	3777.3
22.5°	197.2	208.1	227.0	270.2	451.2	1005.1	1767.1	2666.8	3628.7	3982.7	4193.4
25°	167.5	178.3	194.5	221.6	289.1	683.6	1618.5	2772.2	3920.5	4366.4	4563.6
27.5°	145.9	154.0	170.2	191.8	235.1	435.0	1361.8	2912.7	4366.4	4831.1	4882.4
30°	124.3	132.4	145.9	170.2	199.9	308.0	999.7	2931.6	4612.2	5033.7	5176.9
32.5°	108.1	110.8	127.0	148.6	167.5	243.2	702.5	2950.5	4793.3	5295.8	5325.6
35°	89.2	94.6	110.8	124.3	145.9	191.8	532.3	2856.0	5028.3	5566.0	5557.9
37.5°	73.0	81.1	91.9	102.7	118.9	162.1	424.2	2680.3	5322.8	5984.8	5730.8
40°	56.7	64.8	75.7	89.2	100.0	145.9	318.8	2415.5	5630.9	6190.2	5920.0
42.5°	40.5	45.9	56.7	70.3	89.2	121.6	229.7	2102.1	5752.5	6430.6	6146.9
45°	29.7	35.1	43.2	59.4	91.9	97.3	159.4	1815.7	5882.2	6536.0	6095.6
47.5°	16.2	21.6	32.4	51.3	81.1	73.0	113.5	1559.0	6030.8	6630.6	6136.1
50°	5.4	8.1	18.9	54.0	64.8	56.7	89.2	1421.2	6176.7	6649.5	6217.2
52.5°	0.0	0.0	10.8	56.7	48.6	43.2	78.4	1367.2	6138.8	6709.0	6165.9
55°	0.0	0.0	2.7	24.3	27.0	32.4	64.8	1364.5	6406.3	6727.9	6446.9
57.5°	0.0	0.0	0.0	8.1	16.2	27.0	56.7	1278.0	6576.6	7198.0	6825.1
60°	0.0	0.0	0.0	2.7	10.8	18.9	43.2	1202.4	6749.5	7408.8	7230.4
62.5°	0.0	0.0	0.0	0.0	2.7	8.1	29.7	1086.2	6400.9	7392.5	7622.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	18.9	859.2	5757.9	7006.2	7406.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.8	594.4	5041.8	6519.8	7008.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	359.4	4069.1	5717.3	5944.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154.0	2904.6	4539.3	4877.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.1	1796.8	3318.0	3734.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	1164.5	2512.8	2834.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	621.4	1575.2	1831.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.2	956.5	1102.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.5	580.9	662.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.2	118.9
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: P599230
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4	3831.4
2.5°	4125.9	4204.2	4234.0	4188.0	4193.4	4098.9	4085.4	3953.0	3898.9	3909.7
5°	4315.0	4428.5	4490.6	4439.3	4323.1	4142.1	3977.3	3820.6	3723.3	3674.7
7.5°	4271.8	4398.8	4477.1	4525.8	4393.4	4101.6	3850.3	3555.8	3431.5	3434.2
10°	4034.0	4298.8	4458.2	4396.1	4333.9	4042.1	3653.0	3334.2	3223.4	3234.2
12.5°	3842.2	4136.7	4231.3	4279.9	4152.9	3920.5	3658.4	3293.7	3169.4	3093.7
15°	3723.3	3942.1	3947.6	4023.2	3971.9	3971.9	3715.2	3358.5	3250.4	3166.7
17.5°	3723.3	3771.9	3766.5	3793.5	3880.0	3982.7	3858.4	3620.6	3407.2	3393.7
20°	3807.1	3655.7	3620.6	3631.4	3704.4	4009.7	4174.5	3877.3	3742.2	3699.0
22.5°	4001.6	3669.3	3455.8	3418.0	3642.2	4007.0	4377.2	4282.6	4047.5	4012.4
25°	4269.1	3644.9	3412.6	3363.9	3534.2	4104.3	4655.5	4674.4	4460.9	4388.0
27.5°	4523.1	3753.0	3407.2	3396.4	3620.6	4082.7	4847.3	4987.8	4747.3	4687.9
30°	4609.5	3861.1	3507.1	3363.9	3653.0	4161.0	4841.9	5209.4	5052.7	5066.2
32.5°	4712.2	3969.2	3517.9	3461.2	3790.8	4288.0	4995.9	5566.0	5452.5	5293.1
35°	4863.5	4115.1	3620.6	3569.3	3888.1	4401.5	5028.3	5828.1	5809.2	5622.8
37.5°	4993.2	4258.3	3834.1	3842.2	4185.3	4585.2	5171.5	6149.6	6117.2	5990.2
40°	5085.1	4458.2	4166.4	4188.0	4444.7	4790.6	5425.5	6311.8	6552.2	6365.8
42.5°	5098.6	4636.6	4547.4	4720.3	4960.8	5109.4	5528.2	6422.5	6768.4	6646.8
45°	5149.9	4920.3	5168.8	5295.8	5493.1	5390.4	5522.8	6611.7	6784.6	6722.5
47.5°	5349.9	5436.3	5749.8	6136.1	6206.4	5868.6	5652.5	6641.4	6876.5	6868.4
50°	5557.9	5990.2	6430.6	6687.3	6776.5	6198.3	5774.1	6617.1	6998.1	6933.2
52.5°	5790.3	6471.2	7106.1	7422.3	7373.6	6563.0	5911.9	6814.3	7222.3	7200.7
55°	5936.2	6687.3	7541.2	7981.6	7943.7	6971.0	6349.6	7098.0	7516.8	7462.8
57.5°	6322.6	7038.6	7973.5	8178.8	8278.8	7506.0	6654.9	7562.8	7762.7	7822.2
60°	6641.4	7268.3	8086.9	8384.2	8419.3	7824.9	7189.9	8041.0	8076.1	7876.2
62.5°	7108.8	7357.4	7846.5	8114.0	8295.0	8005.9	7670.8	8297.7	8070.7	8057.2
65°	7452.0	7065.6	7397.9	7546.6	7662.7	7730.3	8154.5	8473.3	7970.8	7708.7
67.5°	7260.1	6514.4	6452.3	6460.4	6495.5	6903.5	7992.4	8043.7	7414.2	7198.0
70°	6390.1	5344.5	5260.7	5325.6	5149.9	5641.7	7335.8	7311.5	6541.4	6317.2
72.5°	5168.8	3896.2	3753.0	3842.2	3882.7	4404.2	6171.3	5544.4	4771.6	4596.0
75°	4107.0	2856.0	2410.1	2626.3	2764.1	3207.2	4820.3	3766.5	3331.5	3093.7
77.5°	3226.1	2161.6	1875.2	1788.7	1915.7	2331.8	3507.1	1977.8	1745.5	1634.7
80°	2045.4	1588.7	1723.8	1599.6	1653.6	1664.4	1826.5	899.8	716.0	707.9
82.5°	1232.1	1086.2	1291.5	710.6	1294.2	1156.4	759.2	408.0	362.1	362.1
85°	872.7	672.8	445.8	289.1	575.5	635.0	294.5	210.8	183.7	178.3
87.5°	437.7	208.1	100.0	64.8	73.0	118.9	35.1	16.2	16.2	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)