

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: P599184

Luminaire Tested: **IFLD-M-SA4C-730-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: P599184  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4C-730-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (64) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

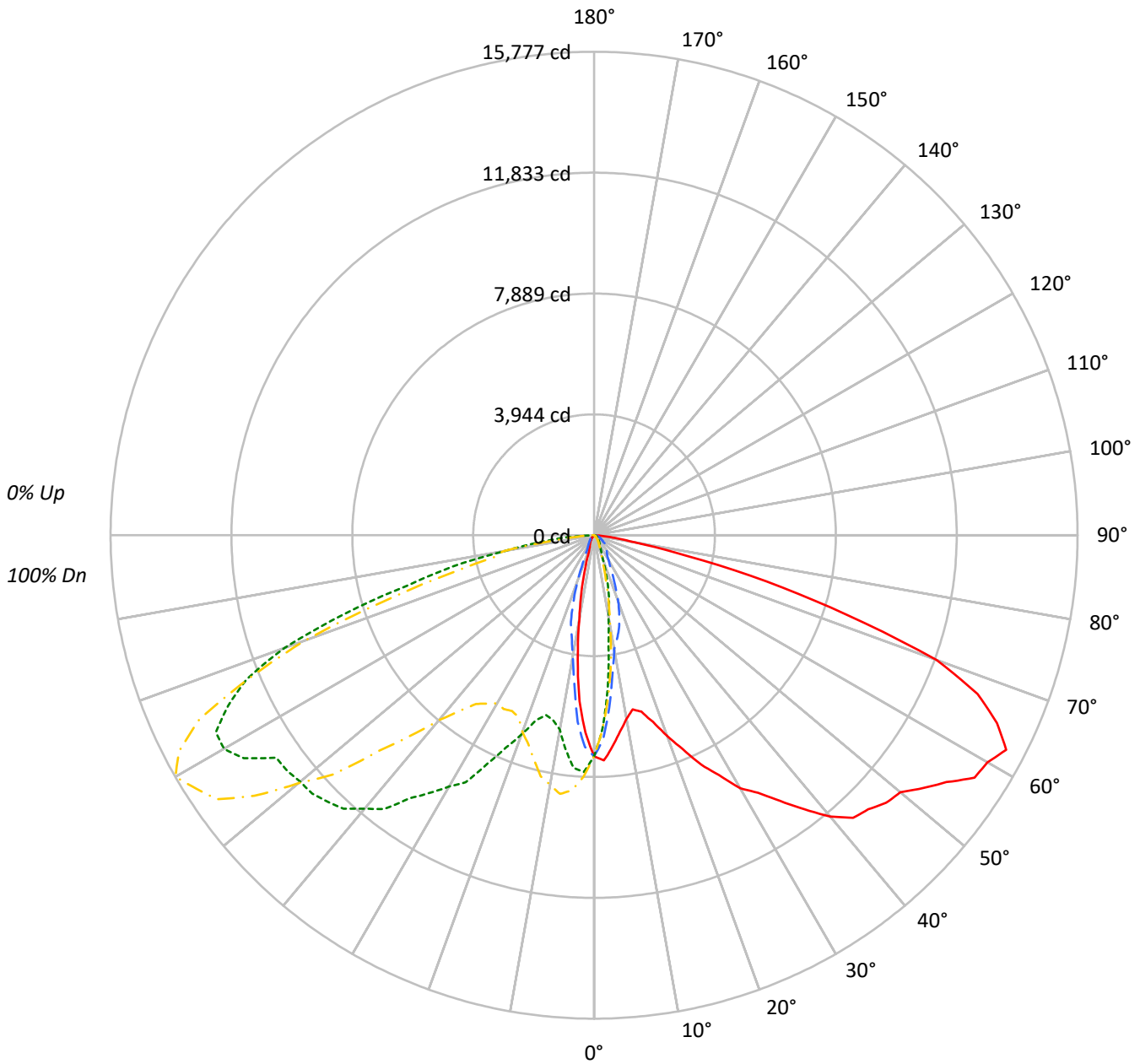
Lumens per Lamp: N/A  
 Luminaire Lumens: 18858.6 lumens  
 Efficiency: N/A  
 Efficacy: 86.5 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 218.1  
 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: P599184  
CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-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°	77604	77604	77604	77604
5°	74714	54608	58783	82351
10°	66520	29731	30120	70410
15°	66404	19830	12125	67650
20°	79731	9900	4834	79264
25°	98066	6220	3744	97582
30°	118489	4993	2844	117731
35°	139032	4009	2205	137629
40°	168316	3429	1429	163674
45°	192563	3096	773	187223
50°	218473	2981	171	209532
55°	263535	2862	0	237583
60°	319062	2409	0	300126
65°	369454	1943	0	335783
70°	374109	1599	0	338587
75°	242112	1056	0	259662
80°	82573	316	0	183742
85°	41447	0	0	135000

TEST NUMBER: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.1	2.9
10°-20°	1057.5	5.6
20°-30°	1472.9	7.8
30°-40°	2092.8	11.1
40°-50°	2902.1	15.4
50°-60°	3954.2	21.0
60°-70°	4347.4	23.1
70°-80°	2136.7	11.3
80°-90°	348.9	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°	3076.5	16.3
0°-40°	5169.3	27.4
0°-60°	12025.6	63.8
0°-90°	18858.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18858.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7210	7210	7210	7210	7210	
5°	6915	5054	5440	7622	6915	633
15°	5959	1780	1088	6071	5959	1764
25°	8257	524	315	8216	8257	3839
35°	10581	305	168	10474	10581	6716
45°	12650	203	51	12299	12650	9806
55°	14043	152	0	12660	14043	12633
65°	14506	76	0	13184	14506	14018
75°	5822	25	0	6244	5822	6347
85°	336	0	0	1093	336	464
90°	0	0	0	0	0	

TEST NUMBER: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6
2.5°	7357.1	7443.5	7362.2	7077.4	7026.6	6889.3	6680.8	6665.6	6447.0	6472.4	6355.4
5°	6914.7	7001.2	6828.3	6452.1	6101.2	5821.6	5653.8	5353.8	5287.7	5140.3	5140.3
7.5°	6462.2	6457.1	6162.2	5847.0	5323.3	4809.8	4575.9	4143.8	3889.5	3752.3	3620.1
10°	6086.0	6004.6	5821.6	5170.8	4601.3	4067.5	3777.7	3493.0	3228.6	2999.8	2771.0
12.5°	5821.6	5872.4	5582.6	4875.9	4138.7	3767.5	3457.4	3157.4	2842.2	2582.9	2328.6
15°	5958.9	5877.5	5536.9	4809.8	4062.4	3554.0	3142.1	2776.1	2425.2	2084.6	1891.4
17.5°	6386.0	6177.5	5775.8	4809.8	3904.8	3228.6	2730.3	2298.1	1921.9	1616.8	1377.9
20°	6960.5	6721.5	6289.4	4987.8	3787.8	2989.6	2308.3	1764.3	1372.8	1088.1	905.0
22.5°	7550.3	7362.2	6711.4	5058.9	3650.6	2669.3	1820.2	1276.2	915.2	732.1	640.6
25°	8257.0	7992.6	7280.8	5343.7	3447.2	2359.1	1433.8	889.8	681.3	584.7	528.8
27.5°	8821.4	8775.6	7814.7	5516.5	3294.7	2104.9	1133.8	706.7	564.4	493.2	457.6
30°	9533.2	9284.0	8465.5	5862.3	3121.8	1815.1	945.7	635.5	518.6	442.3	416.9
32.5°	9960.3	9843.3	8806.1	6055.5	2928.6	1576.2	813.5	559.3	472.8	416.9	391.5
35°	10580.6	10346.7	9294.2	6177.5	2826.9	1438.9	732.1	508.4	396.6	340.7	310.1
37.5°	11272.0	11185.6	9878.9	6172.4	2679.5	1357.5	676.2	472.8	376.2	315.2	279.6
40°	11978.7	11627.9	10234.8	6314.8	2603.2	1296.5	635.5	452.5	355.9	300.0	254.2
42.5°	12507.5	12105.9	10646.6	6263.9	2511.7	1189.7	620.3	422.0	340.7	274.6	233.9
45°	12649.9	12507.5	11017.8	6248.7	2445.6	1103.3	594.9	416.9	330.5	259.3	218.6
47.5°	12924.4	12827.8	11475.4	6274.1	2394.7	1037.2	533.9	427.1	315.2	244.0	208.5
50°	13046.5	12873.6	11846.6	6335.1	2277.8	955.9	477.9	447.4	310.1	239.0	198.3
52.5°	13549.8	13397.3	12355.0	6508.0	2181.2	849.1	422.0	427.1	320.3	223.7	188.1
55°	14043.0	13870.1	13138.0	6904.6	2043.9	762.7	361.0	376.2	305.1	203.4	167.8
57.5°	14719.2	14434.5	13661.7	7067.3	1921.9	645.7	320.3	310.1	284.7	183.0	147.4
60°	14820.9	14937.8	13585.4	6965.6	1794.8	569.4	279.6	239.0	305.1	162.7	127.1
62.5°	15161.6	14673.5	13229.5	6731.7	1703.3	523.7	249.1	198.3	264.4	142.4	106.8
65°	14505.7	14144.7	12395.7	5979.2	1586.3	528.8	218.6	162.7	167.8	116.9	86.4
67.5°	13544.7	13260.0	11012.7	5160.6	1469.4	518.6	193.2	142.4	127.1	101.7	76.3
70°	11887.2	11272.0	9355.2	4189.5	1296.5	483.0	162.7	127.1	106.8	81.3	55.9
72.5°	8648.5	8399.4	6711.4	3238.7	1164.3	437.3	152.5	106.8	91.5	61.0	45.8
75°	5821.6	5409.8	4235.3	2125.3	935.5	381.3	127.1	96.6	71.2	45.8	35.6
77.5°	3076.0	2908.3	2399.8	1011.8	518.6	178.0	71.2	55.9	40.7	35.6	20.3
80°	1332.1	1184.7	1037.2	411.8	183.0	81.3	45.8	30.5	25.4	20.3	10.2
82.5°	681.3	650.8	538.9	178.0	106.8	61.0	25.4	20.3	15.3	10.2	5.1
85°	335.6	345.7	284.7	55.9	61.0	35.6	5.1	5.1	0.0	0.0	0.0
87.5°	25.4	25.4	20.3	10.2	15.3	5.1	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: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6
2.5°	6309.7	6380.9	6258.8	6335.1	6299.5	6314.8	6330.0	6289.4	6299.5	6441.9	6447.0
5°	5053.9	5191.1	5140.3	5211.5	5333.5	5272.5	5328.4	5318.2	5328.4	5348.7	5440.3
7.5°	3604.8	3564.1	3660.7	3848.9	4067.5	4199.7	4133.6	4098.0	4077.7	4026.8	4087.8
10°	2720.1	2699.8	2674.4	2730.3	2872.7	3020.1	3101.5	2964.2	2887.9	2791.3	2755.7
12.5°	2257.5	2130.3	2059.2	1972.7	2013.4	2145.6	2150.7	2018.5	1896.5	1845.6	1901.6
15°	1779.5	1693.1	1566.0	1444.0	1382.9	1484.6	1398.2	1271.1	1113.5	1093.1	1088.1
17.5°	1271.1	1220.2	1128.7	1077.9	1006.7	981.3	889.8	696.6	584.7	554.2	564.4
20°	864.3	823.7	818.6	772.8	742.3	722.0	574.5	447.4	411.8	416.9	422.0
22.5°	640.6	620.3	594.9	589.8	564.4	538.9	422.0	376.2	350.8	350.8	366.1
25°	523.7	513.5	488.1	477.9	467.8	432.2	355.9	320.3	310.1	300.0	315.2
27.5°	447.4	442.3	427.1	411.8	401.7	366.1	310.1	279.6	269.5	269.5	269.5
30°	401.7	401.7	381.3	350.8	350.8	310.1	264.4	244.0	233.9	233.9	228.8
32.5°	376.2	366.1	340.7	320.3	305.1	264.4	233.9	213.5	198.3	198.3	203.4
35°	305.1	305.1	300.0	284.7	264.4	223.7	198.3	178.0	167.8	162.7	167.8
37.5°	269.5	254.2	233.9	239.0	228.8	193.2	167.8	152.5	137.3	137.3	137.3
40°	244.0	228.8	208.5	193.2	188.1	172.9	147.4	122.0	106.8	101.7	101.7
42.5°	218.6	208.5	178.0	152.5	147.4	147.4	111.9	91.5	76.3	76.3	76.3
45°	203.4	188.1	162.7	132.2	106.8	111.9	91.5	66.1	55.9	50.8	50.8
47.5°	193.2	178.0	142.4	111.9	81.3	81.3	66.1	45.8	35.6	30.5	30.5
50°	178.0	162.7	127.1	91.5	61.0	50.8	40.7	25.4	15.3	10.2	10.2
52.5°	167.8	152.5	111.9	76.3	50.8	35.6	25.4	5.1	0.0	0.0	0.0
55°	152.5	132.2	96.6	61.0	40.7	20.3	5.1	0.0	0.0	0.0	0.0
57.5°	132.2	116.9	76.3	45.8	25.4	5.1	0.0	0.0	0.0	0.0	0.0
60°	111.9	96.6	61.0	35.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	91.5	81.3	45.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	76.3	61.0	35.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	66.1	50.8	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	50.8	35.6	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	35.6	25.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	25.4	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	15.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.1	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: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6
2.5°	6467.3	6619.8	6762.2	6802.9	6914.7	7224.9	7224.9	7372.3	7636.7	7733.3	7753.6
5°	5455.5	5618.2	5648.7	5964.0	6111.4	6426.6	6635.1	7133.4	7433.3	7621.5	7738.4
7.5°	4148.8	4204.8	4321.7	4616.6	4906.4	5287.7	5684.3	6319.9	6848.6	7062.2	7458.8
10°	2852.3	3020.1	3274.3	3538.7	3991.2	4413.2	4926.7	5526.7	6177.5	6441.9	6782.5
12.5°	1921.9	2155.8	2562.5	2938.8	3355.7	3782.8	4270.9	5074.2	5811.4	6177.5	6518.1
15°	1123.6	1408.4	1759.2	2369.3	2923.5	3401.4	3889.5	4703.0	5597.9	6070.7	6487.6
17.5°	569.4	655.9	945.7	1474.5	2206.6	2989.6	3716.7	4753.9	5760.6	6340.2	6685.9
20°	427.1	452.5	533.9	783.0	1510.1	2471.0	3554.0	4830.1	6213.1	6919.8	7107.9
22.5°	371.2	391.5	427.1	508.4	849.1	1891.4	3325.2	5018.3	6828.3	7494.3	7890.9
25°	315.2	335.6	366.1	416.9	544.0	1286.3	3045.5	5216.6	7377.4	8216.3	8587.5
27.5°	274.6	289.8	320.3	361.0	442.3	818.6	2562.5	5480.9	8216.3	9090.8	9187.4
30°	233.9	249.1	274.6	320.3	376.2	579.6	1881.2	5516.5	8679.0	9472.2	9741.6
32.5°	203.4	208.5	239.0	279.6	315.2	457.6	1321.9	5552.1	9019.7	9965.3	10021.3
35°	167.8	178.0	208.5	233.9	274.6	361.0	1001.6	5374.2	9462.0	10473.8	10458.5
37.5°	137.3	152.5	172.9	193.2	223.7	305.1	798.2	5043.7	10016.2	11261.9	10783.9
40°	106.8	122.0	142.4	167.8	188.1	274.6	600.0	4545.4	10595.8	11648.3	11139.8
42.5°	76.3	86.4	106.8	132.2	167.8	228.8	432.2	3955.6	10824.6	12100.8	11566.9
45°	55.9	66.1	81.3	111.9	172.9	183.0	300.0	3416.7	11068.6	12299.1	11470.3
47.5°	30.5	40.7	61.0	96.6	152.5	137.3	213.5	2933.7	11348.3	12477.0	11546.6
50°	10.2	15.3	35.6	101.7	122.0	106.8	167.8	2674.4	11622.8	12512.6	11699.1
52.5°	0.0	0.0	20.3	106.8	91.5	81.3	147.4	2572.7	11551.7	12624.5	11602.5
55°	0.0	0.0	5.1	45.8	50.8	61.0	122.0	2567.6	12055.0	12660.1	12131.3
57.5°	0.0	0.0	0.0	15.3	30.5	50.8	106.8	2404.9	12375.3	13544.7	12843.1
60°	0.0	0.0	0.0	5.1	20.3	35.6	81.3	2262.5	12700.7	13941.3	13605.7
62.5°	0.0	0.0	0.0	0.0	5.1	15.3	55.9	2043.9	12044.8	13910.8	14343.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	35.6	1616.8	10834.8	13183.7	13936.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	20.3	1118.6	9487.4	12268.6	13188.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	676.2	7657.0	10758.5	11185.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	289.8	5465.7	8541.7	9177.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.9	3381.1	6243.6	7026.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	2191.4	4728.5	5333.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	1169.4	2964.2	3447.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	508.4	1799.9	2074.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162.7	1093.1	1245.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167.8	223.7
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: P599184  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6	7209.6
2.5°	7763.8	7911.3	7967.2	7880.8	7890.9	7713.0	7687.6	7438.4	7336.7	7357.1
5°	8119.7	8333.3	8450.2	8353.6	8135.0	7794.3	7484.2	7189.3	7006.2	6914.7
7.5°	8038.4	8277.3	8424.8	8516.3	8267.2	7718.1	7245.2	6691.0	6457.1	6462.2
10°	7590.9	8089.2	8389.2	8272.3	8155.3	7606.2	6874.1	6274.1	6065.6	6086.0
12.5°	7230.0	7784.2	7962.1	8053.6	7814.7	7377.4	6884.2	6197.8	5964.0	5821.6
15°	7006.2	7418.1	7428.2	7570.6	7474.0	7474.0	6991.0	6319.9	6116.5	5958.9
17.5°	7006.2	7097.8	7087.6	7138.4	7301.1	7494.3	7260.5	6813.0	6411.4	6386.0
20°	7163.9	6879.1	6813.0	6833.4	6970.7	7545.2	7855.3	7296.1	7041.8	6960.5
22.5°	7529.9	6904.6	6502.9	6431.7	6853.7	7540.1	8236.7	8058.7	7616.4	7550.3
25°	8033.3	6858.8	6421.5	6330.0	6650.3	7723.1	8760.3	8795.9	8394.3	8257.0
27.5°	8511.2	7062.2	6411.4	6391.0	6813.0	7682.5	9121.3	9385.7	8933.2	8821.4
30°	8673.9	7265.5	6599.5	6330.0	6874.1	7829.9	9111.2	9802.6	9507.8	9533.2
32.5°	8867.1	7468.9	6619.8	6513.1	7133.4	8068.9	9401.0	10473.8	10260.2	9960.3
35°	9151.8	7743.5	6813.0	6716.4	7316.4	8282.4	9462.0	10967.0	10931.4	10580.6
37.5°	9395.9	8012.9	7214.7	7230.0	7875.7	8628.2	9731.5	11572.0	11511.0	11272.0
40°	9568.8	8389.2	7840.1	7880.8	8363.8	9014.6	10209.4	11877.1	12329.6	11978.7
42.5°	9594.2	8724.8	8557.0	8882.4	9334.9	9614.5	10402.6	12085.5	12736.3	12507.5
45°	9690.8	9258.6	9726.4	9965.3	10336.5	10143.3	10392.4	12441.4	12766.8	12649.9
47.5°	10067.0	10229.7	10819.5	11546.6	11678.8	11043.2	10636.5	12497.4	12939.7	12924.4
50°	10458.5	11272.0	12100.8	12583.8	12751.6	11663.5	10865.3	12451.6	13168.5	13046.5
52.5°	10895.8	12177.0	13371.9	13966.7	13875.2	12349.9	11124.6	12822.8	13590.5	13549.8
55°	11170.3	12583.8	14190.4	15019.2	14948.0	13117.6	11948.2	13356.6	14144.7	14043.0
57.5°	11897.4	13244.8	15003.9	15390.4	15578.5	14124.3	12522.8	14231.1	14607.4	14719.2
60°	12497.4	13676.9	15217.5	15776.8	15842.9	14724.3	13529.5	15131.1	15197.1	14820.9
62.5°	13376.9	13844.7	14765.0	15268.3	15609.0	15065.0	14434.5	15614.1	15187.0	15161.6
65°	14022.7	13295.6	13921.0	14200.6	14419.2	14546.3	15344.6	15944.5	14998.9	14505.7
67.5°	13661.7	12258.4	12141.4	12156.7	12222.8	12990.5	15039.5	15136.1	13951.5	13544.7
70°	12024.5	10056.9	9899.2	10021.3	9690.8	10616.1	13804.0	13758.3	12309.2	11887.2
72.5°	9726.4	7331.6	7062.2	7230.0	7306.2	8287.5	11612.7	10433.1	8979.0	8648.5
75°	7728.2	5374.2	4535.2	4942.0	5201.3	6035.1	9070.5	7087.6	6269.0	5821.6
77.5°	6070.7	4067.5	3528.5	3365.8	3604.8	4387.8	6599.5	3721.8	3284.5	3076.0
80°	3848.9	2989.6	3243.8	3009.9	3111.6	3132.0	3437.0	1693.1	1347.4	1332.1
82.5°	2318.5	2043.9	2430.3	1337.2	2435.4	2176.1	1428.7	767.7	681.3	681.3
85°	1642.2	1266.0	838.9	544.0	1083.0	1194.8	554.2	396.6	345.7	335.6
87.5°	823.7	391.5	188.1	122.0	137.3	223.7	66.1	30.5	30.5	25.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)