

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: P599125

Luminaire Tested: **IFLD-M-SA4B-722-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: P599125
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-722-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

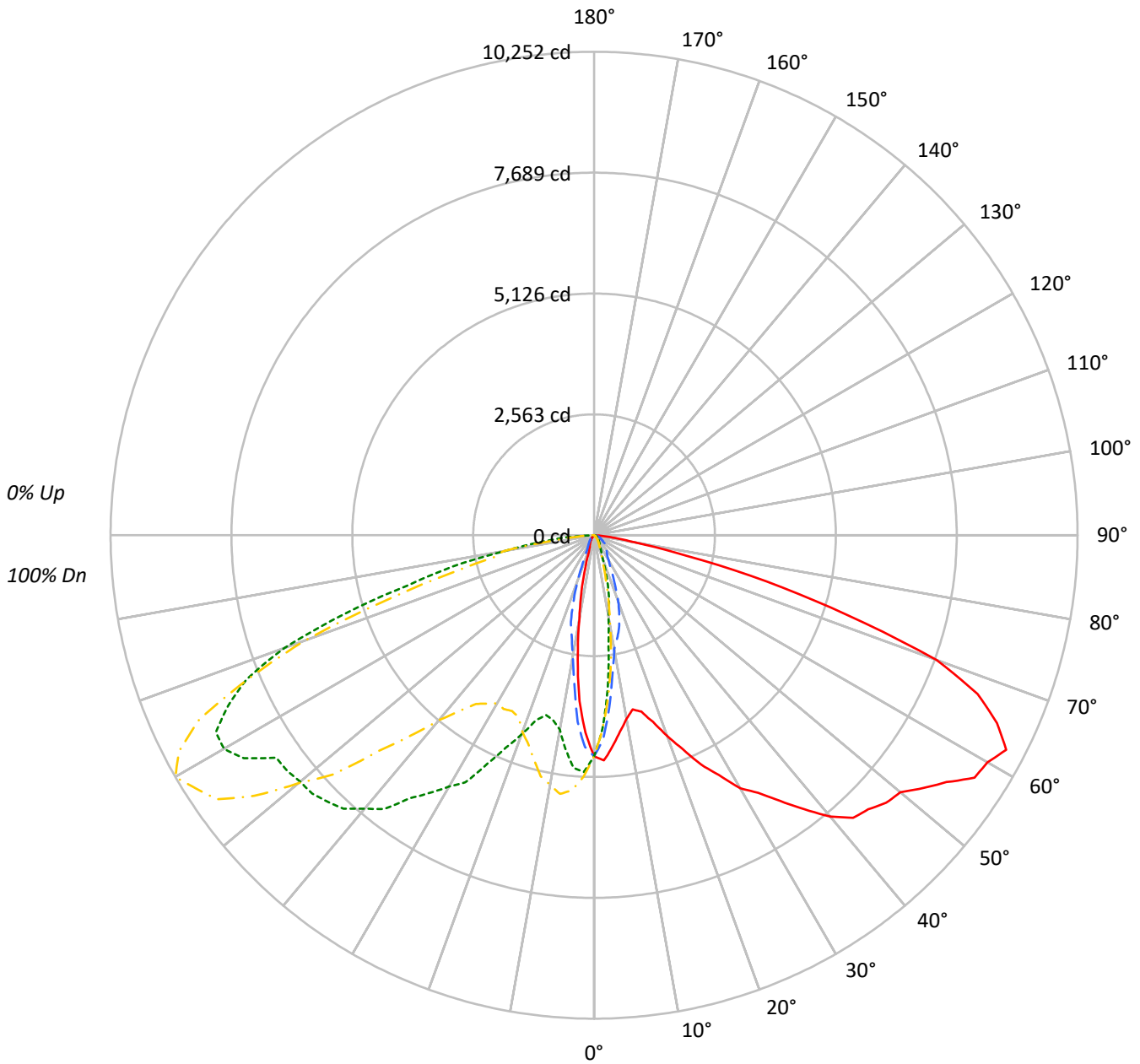
Lumens per Lamp: N/A
 Luminaire Lumens: 12254.5 lumens
 Efficiency: N/A
 Efficacy: 73.8 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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: P599125
CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-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°	50428	50428	50428	50428
5°	48550	35484	38197	53512
10°	43225	19320	19572	45753
15°	43149	12886	7879	43959
20°	51810	6434	3141	51507
25°	63724	4042	2432	63411
30°	76996	3244	1848	76502
35°	90345	2604	1432	89433
40°	109374	2229	929	106357
45°	125129	2012	502	121660
50°	141965	1936	111	136156
55°	171248	1860	0	154383
60°	207330	1565	0	195025
65°	240074	1263	0	218195
70°	243102	1039	0	220018
75°	157325	686	0	168733
80°	53656	205	0	119399
85°	26936	0	0	87724

TEST NUMBER: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	2.9
10°-20°	687.2	5.6
20°-30°	957.1	7.8
30°-40°	1359.9	11.1
40°-50°	1885.8	15.4
50°-60°	2569.5	21.0
60°-70°	2825.0	23.1
70°-80°	1388.5	11.3
80°-90°	226.7	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°	1999.2	16.3
0°-40°	3359.1	27.4
0°-60°	7814.4	63.8
0°-90°	12254.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12254.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4685	4685	4685	4685	4685	
5°	4493	3284	3535	4952	4493	411
15°	3872	1156	707	3945	3872	1146
25°	5366	340	205	5339	5366	2495
35°	6875	198	109	6806	6875	4364
45°	8220	132	33	7992	8220	6372
55°	9125	99	0	8227	9125	8209
65°	9426	50	0	8567	9426	9109
75°	3783	16	0	4057	3783	4124
85°	218	0	0	710	218	302
90°	0	0	0	0	0	

TEST NUMBER: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9
2.5°	4780.7	4836.9	4784.0	4599.0	4566.0	4476.7	4341.3	4331.4	4189.3	4205.8	4129.8
5°	4493.3	4549.4	4437.1	4192.6	3964.6	3782.9	3673.9	3479.0	3436.0	3340.2	3340.2
7.5°	4199.2	4195.9	4004.3	3799.5	3459.2	3125.5	2973.5	2692.7	2527.5	2438.3	2352.4
10°	3954.7	3901.9	3782.9	3360.0	2990.0	2643.1	2454.8	2269.8	2098.0	1949.3	1800.6
12.5°	3782.9	3816.0	3627.7	3168.4	2689.4	2448.2	2246.6	2051.7	1846.9	1678.4	1513.2
15°	3872.1	3819.3	3597.9	3125.5	2639.8	2309.4	2041.8	1803.9	1575.9	1354.6	1229.0
17.5°	4149.7	4014.2	3753.2	3125.5	2537.4	2098.0	1774.2	1493.4	1248.9	1050.6	895.3
20°	4523.0	4367.7	4086.9	3241.1	2461.4	1942.7	1500.0	1146.4	892.0	707.0	588.1
22.5°	4906.2	4784.0	4361.1	3287.4	2372.2	1734.5	1182.8	829.3	594.7	475.8	416.3
25°	5365.5	5193.7	4731.1	3472.4	2240.0	1533.0	931.7	578.2	442.7	379.9	343.6
27.5°	5732.2	5702.5	5078.1	3584.7	2140.9	1367.8	736.8	459.2	366.7	320.5	297.3
30°	6194.8	6032.9	5500.9	3809.4	2028.6	1179.5	614.5	413.0	337.0	287.4	270.9
32.5°	6472.3	6396.3	5722.3	3934.9	1903.0	1024.2	528.6	363.4	307.3	270.9	254.4
35°	6875.4	6723.4	6039.5	4014.2	1837.0	935.0	475.8	330.4	257.7	221.4	201.5
37.5°	7324.7	7268.5	6419.4	4010.9	1741.1	882.1	439.4	307.3	244.5	204.8	181.7
40°	7783.9	7556.0	6650.7	4103.4	1691.6	842.5	413.0	294.0	231.3	194.9	165.2
42.5°	8127.5	7866.5	6918.3	4070.4	1632.1	773.1	403.1	274.2	221.4	178.4	152.0
45°	8220.0	8127.5	7159.5	4060.5	1589.2	716.9	386.6	270.9	214.8	168.5	142.1
47.5°	8398.4	8335.7	7456.8	4077.0	1556.1	674.0	346.9	277.5	204.8	158.6	135.5
50°	8477.7	8365.4	7698.0	4116.6	1480.1	621.1	310.6	290.7	201.5	155.3	128.9
52.5°	8804.8	8705.7	8028.4	4229.0	1417.4	551.7	274.2	277.5	208.1	145.4	122.2
55°	9125.3	9013.0	8537.2	4486.7	1328.2	495.6	234.6	244.5	198.2	132.2	109.0
57.5°	9564.7	9379.7	8877.5	4592.4	1248.9	419.6	208.1	201.5	185.0	118.9	95.8
60°	9630.8	9706.8	8827.9	4526.3	1166.3	370.0	181.7	155.3	198.2	105.7	82.6
62.5°	9852.1	9535.0	8596.7	4374.3	1106.8	340.3	161.9	128.9	171.8	92.5	69.4
65°	9425.9	9191.4	8054.8	3885.4	1030.8	343.6	142.1	105.7	109.0	76.0	56.2
67.5°	8801.5	8616.5	7156.2	3353.4	954.8	337.0	125.5	92.5	82.6	66.1	49.6
70°	7724.5	7324.7	6079.1	2722.4	842.5	313.9	105.7	82.6	69.4	52.9	36.3
72.5°	5619.9	5458.0	4361.1	2104.6	756.6	284.1	99.1	69.4	59.5	39.6	29.7
75°	3782.9	3515.3	2752.1	1381.0	607.9	247.8	82.6	62.8	46.3	29.7	23.1
77.5°	1998.8	1889.8	1559.4	657.5	337.0	115.6	46.3	36.3	26.4	23.1	13.2
80°	865.6	769.8	674.0	267.6	118.9	52.9	29.7	19.8	16.5	13.2	6.6
82.5°	442.7	422.9	350.2	115.6	69.4	39.6	16.5	13.2	9.9	6.6	3.3
85°	218.1	224.7	185.0	36.3	39.6	23.1	3.3	3.3	0.0	0.0	0.0
87.5°	16.5	16.5	13.2	6.6	9.9	3.3	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: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9
2.5°	4100.1	4146.4	4067.1	4116.6	4093.5	4103.4	4113.3	4086.9	4093.5	4186.0	4189.3
5°	3284.0	3373.3	3340.2	3386.5	3465.8	3426.1	3462.5	3455.9	3462.5	3475.7	3535.1
7.5°	2342.4	2316.0	2378.8	2501.0	2643.1	2729.0	2686.0	2662.9	2649.7	2616.7	2656.3
10°	1767.6	1754.4	1737.8	1774.2	1866.7	1962.5	2015.4	1926.2	1876.6	1813.8	1790.7
12.5°	1466.9	1384.3	1338.1	1281.9	1308.3	1394.2	1397.5	1311.6	1232.3	1199.3	1235.6
15°	1156.4	1100.2	1017.6	938.3	898.7	964.7	908.6	826.0	723.5	710.3	707.0
17.5°	826.0	792.9	733.5	700.4	654.2	637.6	578.2	452.6	379.9	360.1	366.7
20°	561.7	535.2	531.9	502.2	482.4	469.1	373.3	290.7	267.6	270.9	274.2
22.5°	416.3	403.1	386.6	383.2	366.7	350.2	274.2	244.5	228.0	228.0	237.9
25°	340.3	333.7	317.2	310.6	304.0	280.8	231.3	208.1	201.5	194.9	204.8
27.5°	290.7	287.4	277.5	267.6	261.0	237.9	201.5	181.7	175.1	175.1	175.1
30°	261.0	261.0	247.8	228.0	228.0	201.5	171.8	158.6	152.0	152.0	148.7
32.5°	244.5	237.9	221.4	208.1	198.2	171.8	152.0	138.8	128.9	128.9	132.2
35°	198.2	198.2	194.9	185.0	171.8	145.4	128.9	115.6	109.0	105.7	109.0
37.5°	175.1	165.2	152.0	155.3	148.7	125.5	109.0	99.1	89.2	89.2	89.2
40°	158.6	148.7	135.5	125.5	122.2	112.3	95.8	79.3	69.4	66.1	66.1
42.5°	142.1	135.5	115.6	99.1	95.8	95.8	72.7	59.5	49.6	49.6	49.6
45°	132.2	122.2	105.7	85.9	69.4	72.7	59.5	43.0	36.3	33.0	33.0
47.5°	125.5	115.6	92.5	72.7	52.9	52.9	43.0	29.7	23.1	19.8	19.8
50°	115.6	105.7	82.6	59.5	39.6	33.0	26.4	16.5	9.9	6.6	6.6
52.5°	109.0	99.1	72.7	49.6	33.0	23.1	16.5	3.3	0.0	0.0	0.0
55°	99.1	85.9	62.8	39.6	26.4	13.2	3.3	0.0	0.0	0.0	0.0
57.5°	85.9	76.0	49.6	29.7	16.5	3.3	0.0	0.0	0.0	0.0	0.0
60°	72.7	62.8	39.6	23.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	59.5	52.9	29.7	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	49.6	39.6	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	43.0	33.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	33.0	23.1	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	23.1	16.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	16.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.3	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: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9
2.5°	4202.5	4301.6	4394.1	4420.6	4493.3	4694.8	4694.8	4790.6	4962.4	5025.2	5038.4
5°	3545.1	3650.8	3670.6	3875.4	3971.3	4176.1	4311.6	4635.3	4830.3	4952.5	5028.5
7.5°	2696.0	2732.3	2808.3	2999.9	3188.2	3436.0	3693.7	4106.7	4450.3	4589.1	4846.8
10°	1853.5	1962.5	2127.7	2299.5	2593.5	2867.8	3201.5	3591.3	4014.2	4186.0	4407.4
12.5°	1248.9	1400.8	1665.2	1909.6	2180.6	2458.1	2775.3	3297.3	3776.3	4014.2	4235.6
15°	730.2	915.2	1143.1	1539.6	1899.7	2210.3	2527.5	3056.1	3637.6	3944.8	4215.7
17.5°	370.0	426.2	614.5	958.1	1433.9	1942.7	2415.1	3089.1	3743.3	4119.9	4344.6
20°	277.5	294.0	346.9	508.8	981.2	1605.7	2309.4	3138.7	4037.3	4496.6	4618.8
22.5°	241.2	254.4	277.5	330.4	551.7	1229.0	2160.7	3260.9	4437.1	4869.9	5127.6
25°	204.8	218.1	237.9	270.9	353.5	835.9	1979.0	3389.8	4793.9	5339.1	5580.2
27.5°	178.4	188.3	208.1	234.6	287.4	531.9	1665.2	3561.6	5339.1	5907.3	5970.1
30°	152.0	161.9	178.4	208.1	244.5	376.6	1222.4	3584.7	5639.7	6155.1	6330.2
32.5°	132.2	135.5	155.3	181.7	204.8	297.3	859.0	3607.8	5861.1	6475.6	6511.9
35°	109.0	115.6	135.5	152.0	178.4	234.6	650.9	3492.2	6148.5	6806.0	6796.1
37.5°	89.2	99.1	112.3	125.5	145.4	198.2	518.7	3277.4	6508.6	7318.1	7007.5
40°	69.4	79.3	92.5	109.0	122.2	178.4	389.9	2953.7	6885.3	7569.2	7238.8
42.5°	49.6	56.2	69.4	85.9	109.0	148.7	280.8	2570.4	7033.9	7863.2	7516.3
45°	36.3	43.0	52.9	72.7	112.3	118.9	194.9	2220.2	7192.5	7992.1	7453.5
47.5°	19.8	26.4	39.6	62.8	99.1	89.2	138.8	1906.3	7374.2	8107.7	7503.1
50°	6.6	9.9	23.1	66.1	79.3	69.4	109.0	1737.8	7552.7	8130.8	7602.2
52.5°	0.0	0.0	13.2	69.4	59.5	52.9	95.8	1671.8	7506.4	8203.5	7539.4
55°	0.0	0.0	3.3	29.7	33.0	39.6	79.3	1668.5	7833.5	8226.6	7883.0
57.5°	0.0	0.0	0.0	9.9	19.8	33.0	69.4	1562.7	8041.6	8801.5	8345.6
60°	0.0	0.0	0.0	3.3	13.2	23.1	52.9	1470.2	8253.1	9059.2	8841.2
62.5°	0.0	0.0	0.0	0.0	3.3	9.9	36.3	1328.2	7826.9	9039.4	9320.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	23.1	1050.6	7040.6	8566.9	9055.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	726.9	6165.0	7972.2	8570.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	439.4	4975.6	6991.0	7268.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188.3	3551.7	5550.5	5963.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0	2197.1	4057.2	4566.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	1424.0	3072.6	3465.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	759.9	1926.2	2240.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	330.4	1169.6	1348.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.7	710.3	809.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109.0	145.4
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: P599125
 CATALOG NUMBER: IFLD-M-SA4B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9	4684.9
2.5°	5045.0	5140.8	5177.2	5121.0	5127.6	5012.0	4995.5	4833.6	4767.5	4780.7
5°	5276.3	5415.0	5491.0	5428.3	5286.2	5064.8	4863.3	4671.7	4552.7	4493.3
7.5°	5223.4	5378.7	5474.5	5534.0	5372.1	5015.3	4708.0	4347.9	4195.9	4199.2
10°	4932.7	5256.5	5451.4	5375.4	5299.4	4942.6	4466.8	4077.0	3941.5	3954.7
12.5°	4698.1	5058.2	5173.9	5233.3	5078.1	4793.9	4473.4	4027.4	3875.4	3782.9
15°	4552.7	4820.3	4827.0	4919.5	4856.7	4856.7	4542.8	4106.7	3974.6	3872.1
17.5°	4552.7	4612.2	4605.6	4638.6	4744.4	4869.9	4717.9	4427.2	4166.2	4149.7
20°	4655.2	4470.1	4427.2	4440.4	4529.6	4902.9	5104.5	4741.1	4575.9	4523.0
22.5°	4893.0	4486.7	4225.7	4179.4	4453.6	4899.6	5352.3	5236.6	4949.2	4906.2
25°	5220.1	4456.9	4172.8	4113.3	4321.5	5018.6	5692.6	5715.7	5454.7	5365.5
27.5°	5530.7	4589.1	4166.2	4153.0	4427.2	4992.2	5927.1	6098.9	5804.9	5732.2
30°	5636.4	4721.2	4288.4	4113.3	4466.8	5088.0	5920.5	6369.9	6178.2	6194.8
32.5°	5762.0	4853.4	4301.6	4232.3	4635.3	5243.2	6108.9	6806.0	6667.2	6472.3
35°	5947.0	5031.8	4427.2	4364.4	4754.3	5382.0	6148.5	7126.5	7103.3	6875.4
37.5°	6105.6	5206.9	4688.2	4698.1	5117.7	5606.7	6323.6	7519.6	7480.0	7324.7
40°	6217.9	5451.4	5094.6	5121.0	5434.9	5857.8	6634.2	7717.8	8011.9	7783.9
42.5°	6234.4	5669.4	5560.4	5771.9	6065.9	6247.6	6759.7	7853.3	8276.2	8127.5
45°	6297.2	6016.4	6320.3	6475.6	6716.8	6591.2	6753.1	8084.6	8296.0	8220.0
47.5°	6541.7	6647.4	7030.6	7503.1	7589.0	7176.0	6911.7	8120.9	8408.4	8398.4
50°	6796.1	7324.7	7863.2	8177.1	8286.1	7579.1	7060.4	8091.2	8557.0	8477.7
52.5°	7080.2	7912.8	8689.2	9075.7	9016.3	8025.1	7228.9	8332.4	8831.2	8804.8
55°	7258.6	8177.1	9221.1	9759.6	9713.4	8524.0	7764.1	8679.3	9191.4	9125.3
57.5°	7731.1	8606.6	9749.7	10000.8	10123.1	9178.2	8137.4	9247.5	9492.0	9564.7
60°	8120.9	8887.4	9888.5	10251.9	10294.9	9568.0	8791.6	9832.3	9875.3	9630.8
62.5°	8692.5	8996.4	9594.4	9921.5	10142.9	9789.4	9379.7	10146.2	9868.7	9852.1
65°	9112.1	8639.6	9046.0	9227.7	9369.8	9452.4	9971.1	10360.9	9746.4	9425.9
67.5°	8877.5	7965.6	7889.6	7899.6	7942.5	8441.4	9772.9	9835.6	9065.8	8801.5
70°	7813.7	6535.1	6432.6	6511.9	6297.2	6898.5	8970.0	8940.3	7998.7	7724.5
72.5°	6320.3	4764.2	4589.1	4698.1	4747.7	5385.3	7546.0	6779.5	5834.6	5619.9
75°	5021.9	3492.2	2947.1	3211.4	3379.9	3921.7	5894.1	4605.6	4073.7	3782.9
77.5°	3944.8	2643.1	2292.9	2187.2	2342.4	2851.2	4288.4	2418.4	2134.3	1998.8
80°	2501.0	1942.7	2107.9	1955.9	2022.0	2035.2	2233.4	1100.2	875.5	865.6
82.5°	1506.6	1328.2	1579.3	868.9	1582.6	1414.1	928.4	498.9	442.7	442.7
85°	1067.2	822.7	545.1	353.5	703.7	776.4	360.1	257.7	224.7	218.1
87.5°	535.2	254.4	122.2	79.3	89.2	145.4	43.0	19.8	19.8	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)