

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: P599272

Luminaire Tested: **IFLD-M-SA4D-750-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: P599272
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-750-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 5000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

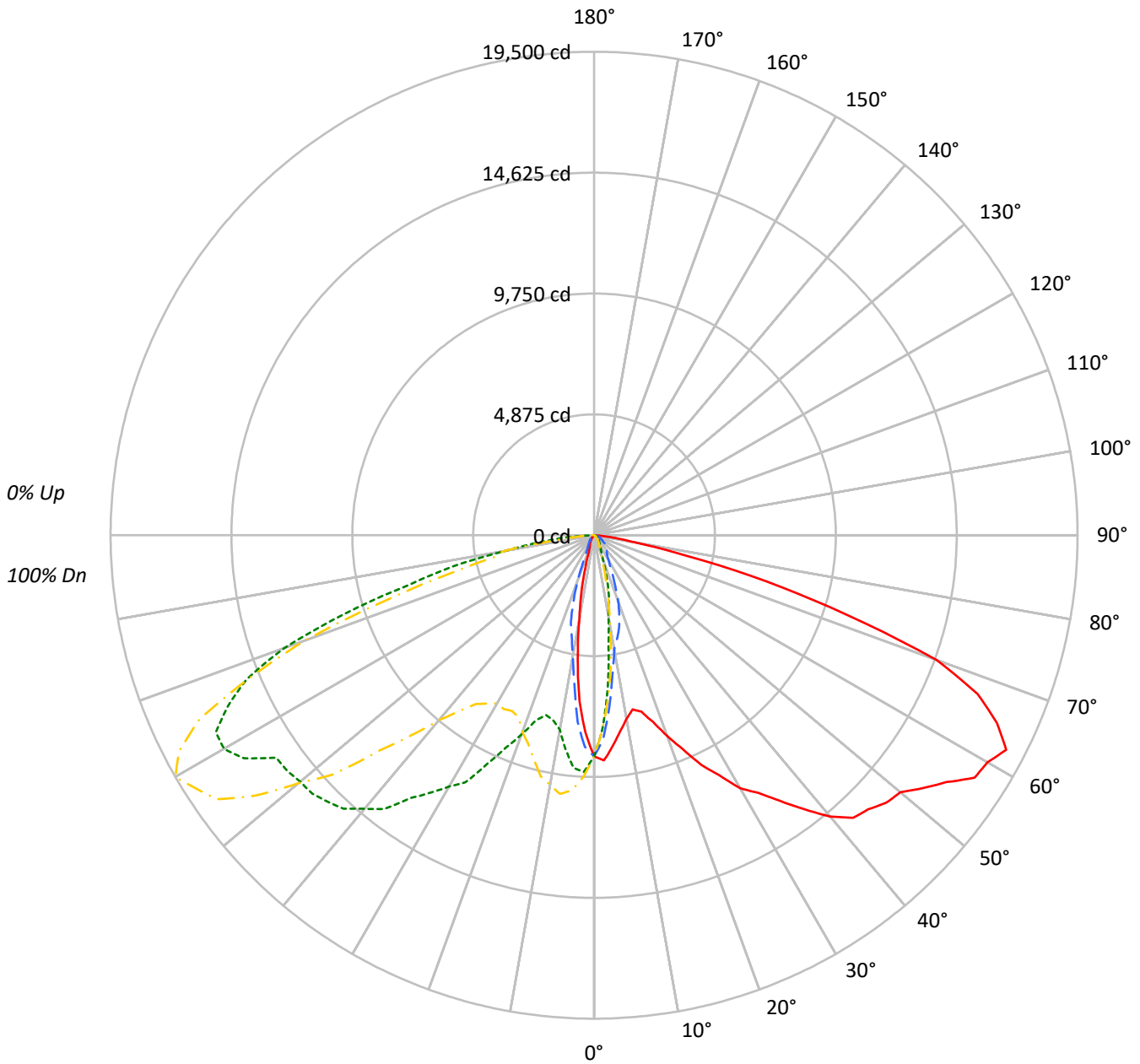
Lumens per Lamp: N/A
 Luminaire Lumens: 23309.5 lumens
 Efficiency: N/A
 Efficacy: 93.4 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 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: P599272
CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62	62	62	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49	49	49	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40	40	40	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33	33	33	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27	27	27	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24	24	24	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20	20	20	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	95919	95919	95919	95919
5°	92347	67495	72656	101786
10°	82220	36748	37229	87028
15°	82076	24510	14987	83616
20°	98548	12237	5975	97972
25°	121211	7688	4627	120613
30°	146455	6171	3515	145516
35°	171845	4955	2725	170112
40°	208042	4238	1766	202302
45°	238011	3827	956	231409
50°	270034	3684	211	258985
55°	325734	3537	0	293655
60°	394366	2977	0	370961
65°	456652	2402	0	415035
70°	462406	1976	0	418500
75°	299255	1306	0	320947
80°	102061	391	0	227108
85°	51229	0	0	166864

TEST NUMBER: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.0	2.9
10°-20°	1307.1	5.6
20°-30°	1820.5	7.8
30°-40°	2586.7	11.1
40°-50°	3587.0	15.4
50°-60°	4887.5	21.0
60°-70°	5373.4	23.1
70°-80°	2641.0	11.3
80°-90°	431.3	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°	3802.6	16.3
0°-40°	6389.3	27.4
0°-60°	14863.8	63.8
0°-90°	23309.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23309.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8911	8911	8911	8911	8911	
5°	8547	6247	6724	9420	8547	782
15°	7365	2200	1345	7504	7365	2180
25°	10206	647	390	10156	10206	4745
35°	13078	377	207	12946	13078	8301
45°	15636	251	63	15202	15636	12120
55°	17357	188	0	15648	17357	15614
65°	17929	94	0	16295	17929	17327
75°	7196	31	0	7717	7196	7845
85°	415	0	0	1351	415	574
90°	0	0	0	0	0	

TEST NUMBER: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2
2.5°	9093.5	9200.3	9099.7	8747.8	8685.0	8515.3	8257.6	8238.8	7968.6	8000.0	7855.4
5°	8546.7	8653.6	8439.9	7974.8	7541.2	7195.6	6988.2	6617.4	6535.7	6353.5	6353.5
7.5°	7987.4	7981.1	7616.6	7227.0	6579.7	5945.0	5655.9	5121.7	4807.5	4637.9	4474.5
10°	7522.4	7421.8	7195.6	6391.2	5687.3	5027.5	4669.3	4317.3	3990.6	3707.8	3425.0
12.5°	7195.6	7258.4	6900.2	6026.7	5115.5	4656.7	4273.4	3902.6	3513.0	3192.5	2878.2
15°	7365.3	7264.7	6843.7	5945.0	5021.2	4392.8	3883.7	3431.3	2997.6	2576.6	2337.8
17.5°	7893.1	7635.5	7139.0	5945.0	4826.4	3990.6	3374.7	2840.5	2375.5	1998.4	1703.1
20°	8603.3	8307.9	7773.7	6164.9	4681.8	3695.2	2853.1	2180.7	1696.8	1344.9	1118.6
22.5°	9332.3	9099.7	8295.3	6252.9	4512.2	3299.3	2249.8	1577.4	1131.2	904.9	791.8
25°	10205.8	9879.0	8999.2	6604.9	4260.8	2915.9	1772.2	1099.8	842.1	722.7	653.6
27.5°	10903.3	10846.8	9659.0	6818.5	4072.3	2601.7	1401.4	873.5	697.6	609.6	565.6
30°	11783.2	11475.2	10463.4	7245.9	3858.6	2243.5	1168.9	785.5	641.0	546.7	515.3
32.5°	12311.0	12166.5	10884.5	7484.7	3619.8	1948.1	1005.5	691.3	584.4	515.3	483.9
35°	13077.7	12788.7	11487.8	7635.5	3494.1	1778.5	904.9	628.4	490.2	421.1	383.3
37.5°	13932.4	13825.6	12210.5	7629.2	3311.9	1677.9	835.8	584.4	465.0	389.6	345.6
40°	14805.9	14372.3	12650.4	7805.2	3217.6	1602.5	785.5	559.3	439.9	370.8	314.2
42.5°	15459.5	14963.0	13159.4	7742.3	3104.5	1470.5	766.7	521.6	421.1	339.4	289.1
45°	15635.5	15459.5	13618.2	7723.5	3022.8	1363.7	735.3	515.3	408.5	320.5	270.2
47.5°	15974.8	15855.4	14183.8	7754.9	2959.9	1282.0	659.9	527.9	389.6	301.6	257.7
50°	16125.6	15912.0	14642.5	7830.3	2815.4	1181.5	590.7	553.0	383.3	295.4	245.1
52.5°	16747.8	16559.3	15271.0	8044.0	2696.0	1049.5	521.6	527.9	395.9	276.5	232.5
55°	17357.4	17143.7	16238.8	8534.1	2526.3	942.7	446.2	465.0	377.1	251.4	207.4
57.5°	18193.2	17841.3	16886.1	8735.2	2375.5	798.1	395.9	383.3	351.9	226.2	182.2
60°	18318.9	18463.4	16791.8	8609.6	2218.4	703.8	345.6	295.4	377.1	201.1	157.1
62.5°	18739.9	18136.6	16351.9	8320.5	2105.3	647.3	307.9	245.1	326.8	176.0	132.0
65°	17929.3	17483.1	15321.2	7390.4	1960.7	653.6	270.2	201.1	207.4	144.5	106.8
67.5°	16741.5	16389.6	13611.9	6378.6	1816.2	641.0	238.8	176.0	157.1	125.7	94.3
70°	14692.8	13932.4	11563.2	5178.3	1602.5	597.0	201.1	157.1	132.0	100.5	69.1
72.5°	10689.7	10381.7	8295.3	4003.1	1439.1	540.5	188.5	132.0	113.1	75.4	56.6
75°	7195.6	6686.5	5234.9	2626.9	1156.3	471.3	157.1	119.4	88.0	56.6	44.0
77.5°	3802.0	3594.6	2966.2	1250.6	641.0	220.0	88.0	69.1	50.3	44.0	25.1
80°	1646.5	1464.3	1282.0	509.0	226.2	100.5	56.6	37.7	31.4	25.1	12.6
82.5°	842.1	804.4	666.1	220.0	132.0	75.4	31.4	25.1	18.9	12.6	6.3
85°	414.8	427.3	351.9	69.1	75.4	44.0	6.3	6.3	0.0	0.0	0.0
87.5°	31.4	31.4	25.1	12.6	18.9	6.3	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: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2
2.5°	7798.9	7886.9	7736.0	7830.3	7786.3	7805.2	7824.0	7773.7	7786.3	7962.3	7968.6
5°	6246.6	6416.3	6353.5	6441.5	6592.3	6516.9	6586.0	6573.4	6586.0	6611.1	6724.3
7.5°	4455.6	4405.3	4524.7	4757.3	5027.5	5190.9	5109.2	5065.2	5040.0	4977.2	5052.6
10°	3362.1	3337.0	3305.6	3374.7	3550.7	3732.9	3833.5	3663.8	3569.5	3450.1	3406.1
12.5°	2790.3	2633.1	2545.2	2438.3	2488.6	2652.0	2658.3	2494.9	2344.1	2281.2	2350.3
15°	2199.5	2092.7	1935.6	1784.8	1709.3	1835.0	1728.2	1571.1	1376.3	1351.1	1344.9
17.5°	1571.1	1508.2	1395.1	1332.3	1244.3	1212.9	1099.8	861.0	722.7	685.0	697.6
20°	1068.3	1018.1	1011.8	955.2	917.5	892.4	710.1	553.0	509.0	515.3	521.6
22.5°	791.8	766.7	735.3	729.0	697.6	666.1	521.6	465.0	433.6	433.6	452.5
25°	647.3	634.7	603.3	590.7	578.2	534.2	439.9	395.9	383.3	370.8	389.6
27.5°	553.0	546.7	527.9	509.0	496.5	452.5	383.3	345.6	333.1	333.1	333.1
30°	496.5	496.5	471.3	433.6	433.6	383.3	326.8	301.6	289.1	289.1	282.8
32.5°	465.0	452.5	421.1	395.9	377.1	326.8	289.1	263.9	245.1	245.1	251.4
35°	377.1	377.1	370.8	351.9	326.8	276.5	245.1	220.0	207.4	201.1	207.4
37.5°	333.1	314.2	289.1	295.4	282.8	238.8	207.4	188.5	169.7	169.7	169.7
40°	301.6	282.8	257.7	238.8	232.5	213.7	182.2	150.8	132.0	125.7	125.7
42.5°	270.2	257.7	220.0	188.5	182.2	182.2	138.3	113.1	94.3	94.3	94.3
45°	251.4	232.5	201.1	163.4	132.0	138.3	113.1	81.7	69.1	62.8	62.8
47.5°	238.8	220.0	176.0	138.3	100.5	100.5	81.7	56.6	44.0	37.7	37.7
50°	220.0	201.1	157.1	113.1	75.4	62.8	50.3	31.4	18.9	12.6	12.6
52.5°	207.4	188.5	138.3	94.3	62.8	44.0	31.4	6.3	0.0	0.0	0.0
55°	188.5	163.4	119.4	75.4	50.3	25.1	6.3	0.0	0.0	0.0	0.0
57.5°	163.4	144.5	94.3	56.6	31.4	6.3	0.0	0.0	0.0	0.0	0.0
60°	138.3	119.4	75.4	44.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	113.1	100.5	56.6	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	94.3	75.4	44.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	81.7	62.8	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	62.8	44.0	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	44.0	31.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	31.4	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	18.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.3	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: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2
2.5°	7993.7	8182.2	8358.2	8408.5	8546.7	8930.1	8930.1	9112.3	9439.1	9558.5	9583.6
5°	6743.1	6944.2	6981.9	7371.5	7553.8	7943.4	8201.1	8816.9	9187.7	9420.2	9564.8
7.5°	5128.0	5197.2	5341.7	5706.2	6064.4	6535.7	7025.9	7811.4	8465.0	8729.0	9219.1
10°	3525.5	3732.9	4047.1	4373.9	4933.2	5454.8	6089.5	6831.1	7635.5	7962.3	8383.3
12.5°	2375.5	2664.6	3167.3	3632.4	4147.7	4675.6	5278.9	6271.8	7183.0	7635.5	8056.5
15°	1388.8	1740.8	2174.4	2928.5	3613.5	4204.2	4807.5	5813.0	6919.1	7503.5	8018.8
17.5°	703.8	810.7	1168.9	1822.5	2727.4	3695.2	4593.9	5875.9	7120.2	7836.6	8263.9
20°	527.9	559.3	659.9	967.8	1866.5	3054.2	4392.8	5970.1	7679.5	8553.0	8785.5
22.5°	458.8	483.9	527.9	628.4	1049.5	2337.8	4110.0	6202.7	8439.9	9263.1	9753.3
25°	389.6	414.8	452.5	515.3	672.4	1589.9	3764.3	6447.7	9118.6	10155.5	10614.3
27.5°	339.4	358.2	395.9	446.2	546.7	1011.8	3167.3	6774.5	10155.5	11236.4	11355.8
30°	289.1	307.9	339.4	395.9	465.0	716.4	2325.2	6818.5	10727.4	11707.7	12040.8
32.5°	251.4	257.7	295.4	345.6	389.6	565.6	1633.9	6862.5	11148.4	12317.3	12386.5
35°	207.4	220.0	257.7	289.1	339.4	446.2	1238.0	6642.6	11695.2	12945.8	12926.9
37.5°	169.7	188.5	213.7	238.8	276.5	377.1	986.6	6234.1	12380.2	13919.8	13329.1
40°	132.0	150.8	176.0	207.4	232.5	339.4	741.6	5618.2	13096.6	14397.4	13769.0
42.5°	94.3	106.8	132.0	163.4	207.4	282.8	534.2	4889.2	13379.4	14956.8	14296.9
45°	69.1	81.7	100.5	138.3	213.7	226.2	370.8	4223.1	13681.0	15201.8	14177.5
47.5°	37.7	50.3	75.4	119.4	188.5	169.7	263.9	3626.1	14026.7	15421.8	14271.8
50°	12.6	18.9	44.0	125.7	150.8	132.0	207.4	3305.6	14366.0	15465.8	14460.3
52.5°	0.0	0.0	25.1	132.0	113.1	100.5	182.2	3179.9	14278.0	15604.0	14340.9
55°	0.0	0.0	6.3	56.6	62.8	75.4	150.8	3173.6	14900.2	15648.0	14994.5
57.5°	0.0	0.0	0.0	18.9	37.7	62.8	132.0	2972.5	15296.1	16741.5	15874.3
60°	0.0	0.0	0.0	6.3	25.1	44.0	100.5	2796.5	15698.3	17231.7	16816.9
62.5°	0.0	0.0	0.0	0.0	6.3	18.9	69.1	2526.3	14887.6	17194.0	17728.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	44.0	1998.4	13392.0	16295.3	17225.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	25.1	1382.6	11726.6	15164.1	16301.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	835.8	9464.2	13297.7	13825.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	358.2	6755.7	10557.7	11343.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.5	4179.1	7717.2	8685.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.6	2708.6	5844.4	6592.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	1445.4	3663.8	4260.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	628.4	2224.7	2564.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201.1	1351.1	1539.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207.4	276.5
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: P599272
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2	8911.2
2.5°	9596.2	9778.5	9847.6	9740.7	9753.3	9533.4	9501.9	9194.0	9068.3	9093.5
5°	10036.1	10300.1	10444.6	10325.2	10055.0	9633.9	9250.6	8886.1	8659.8	8546.7
7.5°	9935.6	10230.9	10413.2	10526.3	10218.4	9539.6	8955.2	8270.2	7981.1	7987.4
10°	9382.5	9998.4	10369.2	10224.6	10080.1	9401.4	8496.4	7754.9	7497.2	7522.4
12.5°	8936.3	9621.3	9841.3	9954.4	9659.0	9118.6	8509.0	7660.6	7371.5	7195.6
15°	8659.8	9168.9	9181.4	9357.4	9238.0	9238.0	8641.0	7811.4	7560.1	7365.3
17.5°	8659.8	8773.0	8760.4	8823.2	9024.3	9263.1	8974.1	8421.0	7924.6	7893.1
20°	8854.7	8502.7	8421.0	8446.2	8615.8	9326.0	9709.3	9018.0	8703.8	8603.3
22.5°	9307.1	8534.1	8037.7	7949.7	8471.3	9319.7	10180.6	9960.7	9414.0	9332.3
25°	9929.3	8477.6	7937.1	7824.0	8219.9	9545.9	10827.9	10871.9	10375.5	10205.8
27.5°	10520.0	8729.0	7924.6	7899.4	8421.0	9495.7	11274.1	11600.9	11041.6	10903.3
30°	10721.1	8980.3	8157.1	7824.0	8496.4	9677.9	11261.6	12116.2	11751.7	11783.2
32.5°	10959.9	9231.7	8182.2	8050.3	8816.9	9973.3	11619.8	12945.8	12681.8	12311.0
35°	11311.8	9571.1	8421.0	8301.6	9043.2	10237.2	11695.2	13555.3	13511.4	13077.7
37.5°	11613.5	9904.1	8917.5	8936.3	9734.5	10664.5	12028.2	14303.2	14227.8	13932.4
40°	11827.1	10369.2	9690.5	9740.7	10337.8	11142.2	12619.0	14680.2	15239.6	14805.9
42.5°	11858.6	10783.9	10576.6	10978.8	11538.1	11883.7	12857.8	14937.9	15742.3	15459.5
45°	11978.0	11443.8	12022.0	12317.3	12776.1	12537.3	12845.2	15377.8	15780.0	15635.5
47.5°	12443.0	12644.1	13373.1	14271.8	14435.2	13649.6	13146.9	15446.9	15993.7	15974.8
50°	12926.9	13932.4	14956.8	15553.8	15761.2	14416.3	13429.7	15390.4	16276.5	16125.6
52.5°	13467.4	15051.0	16527.8	17263.1	17150.0	15264.7	13750.2	15849.1	16798.1	16747.8
55°	13806.7	15553.8	17539.6	18564.0	18476.0	16213.6	14768.2	16509.0	17483.1	17357.4
57.5°	14705.4	16370.7	18545.1	19022.7	19255.3	17457.9	15478.4	17589.9	18054.9	18193.2
60°	15446.9	16904.9	18809.1	19500.3	19582.0	18199.5	16722.7	18702.2	18783.9	18318.9
62.5°	16534.1	17112.3	18249.8	18871.9	19293.0	18620.5	17841.3	19299.2	18771.4	18739.9
65°	17332.2	16433.6	17206.6	17552.2	17822.4	17979.5	18966.2	19707.7	18538.8	17929.3
67.5°	16886.1	15151.6	15007.0	15025.9	15107.6	16056.5	18589.1	18708.5	17244.3	16741.5
70°	14862.5	12430.4	12235.6	12386.5	11978.0	13121.7	17062.0	17005.5	15214.4	14692.8
72.5°	12022.0	9062.0	8729.0	8936.3	9030.6	10243.5	14353.5	12895.5	11098.2	10689.7
75°	9552.2	6642.6	5605.6	6108.4	6428.9	7459.5	11211.3	8760.4	7748.6	7195.6
77.5°	7503.5	5027.5	4361.3	4160.2	4455.6	5423.4	8157.1	4600.1	4059.7	3802.0
80°	4757.3	3695.2	4009.4	3720.3	3846.0	3871.2	4248.2	2092.7	1665.4	1646.5
82.5°	2865.7	2526.3	3003.9	1652.8	3010.2	2689.7	1765.9	948.9	842.1	842.1
85°	2029.8	1564.8	1036.9	672.4	1338.6	1476.8	685.0	490.2	427.3	414.8
87.5°	1018.1	483.9	232.5	150.8	169.7	276.5	81.7	37.7	37.7	31.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)