

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: P599329

Luminaire Tested: **IFLD-M-SA4C-827-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: P599329
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

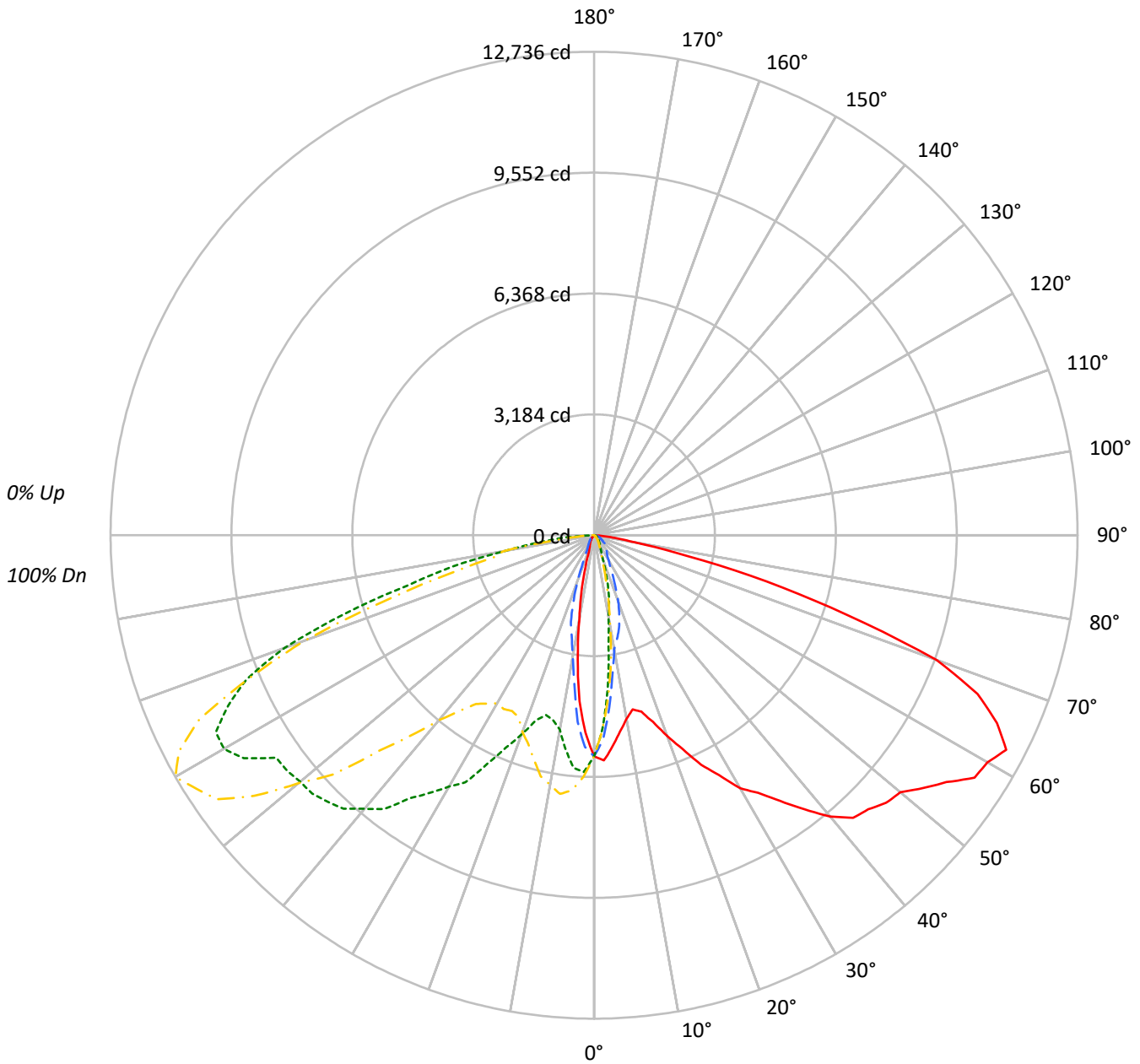
Lumens per Lamp: N/A
 Luminaire Lumens: 15224.0 lumens
 Efficiency: N/A
 Efficacy: 69.8 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 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: P599329
CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-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°	62647	62647	62647	62647
5°	60315	44082	47454	66479
10°	53699	24001	24315	56839
15°	53605	16009	9789	54612
20°	64364	7993	3903	63988
25°	79165	5021	3023	78776
30°	95652	4031	2296	95040
35°	112237	3236	1779	111104
40°	135877	2768	1154	132129
45°	155450	2500	624	151139
50°	176365	2406	137	169150
55°	212744	2310	0	191794
60°	257570	1944	0	242283
65°	298249	1569	0	271068
70°	302008	1290	0	273331
75°	195450	853	0	209619
80°	66661	254	0	148328
85°	33457	0	0	108991

TEST NUMBER: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.9	2.9
10°-20°	853.7	5.6
20°-30°	1189.0	7.8
30°-40°	1689.4	11.1
40°-50°	2342.8	15.4
50°-60°	3192.1	21.0
60°-70°	3509.5	23.1
70°-80°	1724.9	11.3
80°-90°	281.7	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°	2483.6	16.3
0°-40°	4173.0	27.4
0°-60°	9707.9	63.8
0°-90°	15224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15224.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5820	5820	5820	5820	5820	
5°	5582	4080	4392	6153	5582	511
15°	4810	1437	878	4901	4810	1424
25°	6666	423	254	6633	6666	3099
35°	8541	246	135	8455	8541	5422
45°	10212	164	41	9929	10212	7916
55°	11336	123	0	10220	11336	10198
65°	11710	62	0	10643	11710	11316
75°	4700	20	0	5040	4700	5124
85°	271	0	0	882	271	375
90°	0	0	0	0	0	

TEST NUMBER: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1
2.5°	5939.1	6008.9	5943.2	5713.4	5672.3	5561.5	5393.2	5380.9	5204.4	5225.0	5130.6
5°	5582.1	5651.8	5512.3	5208.5	4925.3	4699.6	4564.1	4322.0	4268.6	4149.6	4149.6
7.5°	5216.8	5212.7	4974.6	4720.1	4297.4	3882.8	3694.0	3345.1	3139.9	3029.1	2922.4
10°	4913.0	4847.4	4699.6	4174.2	3714.5	3283.6	3049.6	2819.8	2606.3	2421.6	2236.9
12.5°	4699.6	4740.6	4506.7	3936.2	3341.0	3041.4	2791.0	2548.9	2294.4	2085.1	1879.8
15°	4810.4	4744.7	4469.7	3882.8	3279.5	2869.0	2536.5	2241.0	1957.8	1682.8	1526.9
17.5°	5155.2	4986.9	4662.7	3882.8	3152.2	2606.3	2204.1	1855.2	1551.5	1305.2	1112.3
20°	5619.0	5426.1	5077.2	4026.5	3057.8	2413.4	1863.4	1424.2	1108.2	878.4	730.6
22.5°	6095.1	5943.2	5417.9	4083.9	2947.0	2154.8	1469.4	1030.2	738.8	591.0	517.2
25°	6665.6	6452.2	5877.6	4313.8	2782.8	1904.5	1157.5	718.3	550.0	472.0	426.9
27.5°	7121.2	7084.3	6308.5	4453.3	2659.7	1699.2	915.3	570.5	455.6	398.1	369.4
30°	7695.8	7494.7	6833.9	4732.4	2520.1	1465.3	763.4	513.1	418.7	357.1	336.6
32.5°	8040.6	7946.2	7108.9	4888.4	2364.2	1272.4	656.7	451.5	381.7	336.6	316.0
35°	8541.4	8352.6	7502.9	4986.9	2282.1	1161.6	591.0	410.4	320.1	275.0	250.4
37.5°	9099.6	9029.8	7974.9	4982.8	2163.0	1095.9	545.9	381.7	303.7	254.5	225.7
40°	9670.1	9386.9	8262.3	5097.7	2101.5	1046.6	513.1	365.3	287.3	242.2	205.2
42.5°	10096.9	9772.7	8594.7	5056.7	2027.6	960.4	500.7	340.7	275.0	221.6	188.8
45°	10211.9	10096.9	8894.3	5044.4	1974.2	890.7	480.2	336.6	266.8	209.3	176.5
47.5°	10433.5	10355.5	9263.7	5064.9	1933.2	837.3	431.0	344.8	254.5	197.0	168.3
50°	10532.0	10392.5	9563.4	5114.1	1838.8	771.6	385.8	361.2	250.4	192.9	160.1
52.5°	10938.4	10815.2	9973.8	5253.7	1760.8	685.4	340.7	344.8	258.6	180.6	151.9
55°	11336.5	11196.9	10605.9	5573.8	1650.0	615.7	291.4	303.7	246.3	164.2	135.4
57.5°	11882.4	11652.5	11028.7	5705.2	1551.5	521.3	258.6	250.4	229.8	147.8	119.0
60°	11964.5	12058.9	10967.1	5623.1	1448.9	459.7	225.7	192.9	246.3	131.3	102.6
62.5°	12239.5	11845.4	10679.8	5434.3	1375.0	422.8	201.1	160.1	213.4	114.9	86.2
65°	11710.0	11418.6	10006.6	4826.8	1280.6	426.9	176.5	131.3	135.4	94.4	69.8
67.5°	10934.3	10704.4	8890.2	4166.0	1186.2	418.7	156.0	114.9	102.6	82.1	61.6
70°	9596.2	9099.6	7552.2	3382.1	1046.6	389.9	131.3	102.6	86.2	65.7	45.1
72.5°	6981.7	6780.6	5417.9	2614.5	939.9	353.0	123.1	86.2	73.9	49.3	36.9
75°	4699.6	4367.1	3419.0	1715.7	755.2	307.8	102.6	78.0	57.5	36.9	28.7
77.5°	2483.2	2347.7	1937.3	816.8	418.7	143.7	57.5	45.1	32.8	28.7	16.4
80°	1075.4	956.3	837.3	332.5	147.8	65.7	36.9	24.6	20.5	16.4	8.2
82.5°	550.0	525.4	435.1	143.7	86.2	49.3	20.5	16.4	12.3	8.2	4.1
85°	270.9	279.1	229.8	45.1	49.3	28.7	4.1	4.1	0.0	0.0	0.0
87.5°	20.5	20.5	16.4	8.2	12.3	4.1	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: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1
2.5°	5093.6	5151.1	5052.6	5114.1	5085.4	5097.7	5110.0	5077.2	5085.4	5200.3	5204.4
5°	4079.8	4190.6	4149.6	4207.1	4305.6	4256.3	4301.5	4293.3	4301.5	4317.9	4391.8
7.5°	2910.1	2877.2	2955.2	3107.1	3283.6	3390.3	3336.9	3308.2	3291.8	3250.7	3300.0
10°	2195.9	2179.5	2158.9	2204.1	2319.0	2438.0	2503.7	2392.9	2331.3	2253.3	2224.6
12.5°	1822.4	1719.8	1662.3	1592.5	1625.4	1732.1	1736.2	1629.5	1531.0	1489.9	1535.1
15°	1436.6	1366.8	1264.2	1165.7	1116.4	1198.5	1128.7	1026.1	898.9	882.5	878.4
17.5°	1026.1	985.1	911.2	870.1	812.7	792.2	718.3	562.3	472.0	447.4	455.6
20°	697.8	664.9	660.8	623.9	599.2	582.8	463.8	361.2	332.5	336.6	340.7
22.5°	517.2	500.7	480.2	476.1	455.6	435.1	340.7	303.7	283.2	283.2	295.5
25°	422.8	414.5	394.0	385.8	377.6	348.9	287.3	258.6	250.4	242.2	254.5
27.5°	361.2	357.1	344.8	332.5	324.3	295.5	250.4	225.7	217.5	217.5	217.5
30°	324.3	324.3	307.8	283.2	283.2	250.4	213.4	197.0	188.8	188.8	184.7
32.5°	303.7	295.5	275.0	258.6	246.3	213.4	188.8	172.4	160.1	160.1	164.2
35°	246.3	246.3	242.2	229.8	213.4	180.6	160.1	143.7	135.4	131.3	135.4
37.5°	217.5	205.2	188.8	192.9	184.7	156.0	135.4	123.1	110.8	110.8	110.8
40°	197.0	184.7	168.3	156.0	151.9	139.6	119.0	98.5	86.2	82.1	82.1
42.5°	176.5	168.3	143.7	123.1	119.0	119.0	90.3	73.9	61.6	61.6	61.6
45°	164.2	151.9	131.3	106.7	86.2	90.3	73.9	53.4	45.1	41.0	41.0
47.5°	156.0	143.7	114.9	90.3	65.7	65.7	53.4	36.9	28.7	24.6	24.6
50°	143.7	131.3	102.6	73.9	49.3	41.0	32.8	20.5	12.3	8.2	8.2
52.5°	135.4	123.1	90.3	61.6	41.0	28.7	20.5	4.1	0.0	0.0	0.0
55°	123.1	106.7	78.0	49.3	32.8	16.4	4.1	0.0	0.0	0.0	0.0
57.5°	106.7	94.4	61.6	36.9	20.5	4.1	0.0	0.0	0.0	0.0	0.0
60°	90.3	78.0	49.3	28.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	73.9	65.7	36.9	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	61.6	49.3	28.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	53.4	41.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	41.0	28.7	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	28.7	20.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	20.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.1	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: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1
2.5°	5220.9	5344.0	5458.9	5491.8	5582.1	5832.4	5832.4	5951.5	6164.9	6242.9	6259.3
5°	4404.1	4535.4	4560.0	4814.5	4933.5	5188.0	5356.3	5758.5	6000.7	6152.6	6247.0
7.5°	3349.2	3394.4	3488.8	3726.8	3960.8	4268.6	4588.8	5101.8	5528.7	5701.1	6021.2
10°	2302.6	2438.0	2643.3	2856.7	3222.0	3562.7	3977.2	4461.5	4986.9	5200.3	5475.3
12.5°	1551.5	1740.3	2068.6	2372.4	2708.9	3053.7	3447.7	4096.2	4691.4	4986.9	5261.9
15°	907.1	1136.9	1420.1	1912.7	2360.1	2745.9	3139.9	3796.6	4519.0	4900.7	5237.3
17.5°	459.7	529.5	763.4	1190.3	1781.3	2413.4	3000.4	3837.7	4650.3	5118.2	5397.4
20°	344.8	365.3	431.0	632.1	1219.0	1994.8	2869.0	3899.2	5015.6	5586.2	5738.0
22.5°	299.6	316.0	344.8	410.4	685.4	1526.9	2684.3	4051.1	5512.3	6050.0	6370.1
25°	254.5	270.9	295.5	336.6	439.2	1038.4	2458.6	4211.2	5955.6	6632.8	6932.4
27.5°	221.6	234.0	258.6	291.4	357.1	660.8	2068.6	4424.6	6632.8	7338.8	7416.7
30°	188.8	201.1	221.6	258.6	303.7	467.9	1518.6	4453.3	7006.3	7646.6	7864.1
32.5°	164.2	168.3	192.9	225.7	254.5	369.4	1067.2	4482.1	7281.3	8044.7	8089.9
35°	135.4	143.7	168.3	188.8	221.6	291.4	808.6	4338.4	7638.4	8455.2	8442.9
37.5°	110.8	123.1	139.6	156.0	180.6	246.3	644.4	4071.6	8085.8	9091.4	8705.5
40°	86.2	98.5	114.9	135.4	151.9	221.6	484.3	3669.4	8553.7	9403.3	8992.8
42.5°	61.6	69.8	86.2	106.7	135.4	184.7	348.9	3193.3	8738.4	9768.6	9337.6
45°	45.1	53.4	65.7	90.3	139.6	147.8	242.2	2758.2	8935.4	9928.7	9259.6
47.5°	24.6	32.8	49.3	78.0	123.1	110.8	172.4	2368.3	9161.1	10072.3	9321.2
50°	8.2	12.3	28.7	82.1	98.5	86.2	135.4	2158.9	9382.8	10101.1	9444.3
52.5°	0.0	0.0	16.4	86.2	73.9	65.7	119.0	2076.9	9325.3	10191.3	9366.4
55°	0.0	0.0	4.1	36.9	41.0	49.3	98.5	2072.7	9731.7	10220.1	9793.2
57.5°	0.0	0.0	0.0	12.3	24.6	41.0	86.2	1941.4	9990.2	10934.3	10367.8
60°	0.0	0.0	0.0	4.1	16.4	28.7	65.7	1826.5	10252.9	11254.4	10983.5
62.5°	0.0	0.0	0.0	0.0	4.1	12.3	45.1	1650.0	9723.4	11229.8	11578.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	28.7	1305.2	8746.6	10642.8	11250.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	16.4	903.0	7658.9	9904.0	10646.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	545.9	6181.3	8685.0	9029.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.0	4412.3	6895.5	7408.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.4	2729.5	5040.3	5672.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	1769.0	3817.1	4305.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	944.0	2392.9	2782.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	410.4	1453.0	1674.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131.3	882.5	1005.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	135.4	180.6
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: P599329
 CATALOG NUMBER: IFLD-M-SA4C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1	5820.1
2.5°	6267.5	6386.5	6431.7	6361.9	6370.1	6226.5	6205.9	6004.8	5922.7	5939.1
5°	6554.8	6727.2	6821.6	6743.6	6567.1	6292.1	6041.8	5803.7	5655.9	5582.1
7.5°	6489.1	6682.0	6801.1	6875.0	6673.8	6230.6	5848.8	5401.5	5212.7	5216.8
10°	6127.9	6530.2	6772.3	6677.9	6583.5	6140.3	5549.2	5064.9	4896.6	4913.0
12.5°	5836.5	6283.9	6427.6	6501.4	6308.5	5955.6	5557.4	5003.3	4814.5	4699.6
15°	5655.9	5988.4	5996.6	6111.5	6033.5	6033.5	5643.6	5101.8	4937.7	4810.4
17.5°	5655.9	5729.8	5721.6	5762.6	5894.0	6050.0	5861.2	5500.0	5175.7	5155.2
20°	5783.2	5553.3	5500.0	5516.4	5627.2	6091.0	6341.4	5889.9	5684.7	5619.0
22.5°	6078.7	5573.8	5249.6	5192.1	5532.8	6086.9	6649.2	6505.6	6148.5	6095.1
25°	6485.0	5536.9	5183.9	5110.0	5368.6	6234.7	7072.0	7100.7	6776.4	6665.6
27.5°	6870.8	5701.1	5175.7	5159.3	5500.0	6201.8	7363.4	7576.8	7211.5	7121.2
30°	7002.2	5865.3	5327.6	5110.0	5549.2	6320.9	7355.2	7913.4	7675.3	7695.8
32.5°	7158.2	6029.4	5344.0	5257.8	5758.5	6513.8	7589.1	8455.2	8282.8	8040.6
35°	7388.0	6251.1	5500.0	5422.0	5906.3	6686.1	7638.4	8853.3	8824.6	8541.4
37.5°	7585.0	6468.6	5824.2	5836.5	6357.8	6965.3	7855.9	9341.7	9292.5	9099.6
40°	7724.6	6772.3	6329.1	6361.9	6751.8	7277.2	8241.7	9588.0	9953.3	9670.1
42.5°	7745.1	7043.2	6907.8	7170.5	7535.8	7761.5	8397.7	9756.3	10281.6	10096.9
45°	7823.1	7474.2	7851.8	8044.7	8344.3	8188.4	8389.5	10043.6	10306.3	10211.9
47.5°	8126.8	8258.2	8734.3	9321.2	9427.9	8914.9	8586.5	10088.7	10445.8	10433.5
50°	8442.9	9099.6	9768.6	10158.5	10294.0	9415.6	8771.2	10051.8	10630.5	10532.0
52.5°	8795.8	9830.2	10794.7	11274.9	11201.0	9969.7	8980.5	10351.4	10971.2	10938.4
55°	9017.5	10158.5	11455.5	12124.5	12067.1	10589.5	9645.5	10782.4	11418.6	11336.5
57.5°	9604.4	10692.1	12112.2	12424.2	12576.0	11402.2	10109.3	11488.4	11792.1	11882.4
60°	10088.7	11041.0	12284.6	12736.1	12789.5	11886.5	10921.9	12214.8	12268.2	11964.5
62.5°	10798.8	11176.4	11919.3	12325.7	12600.7	12161.5	11652.5	12604.8	12260.0	12239.5
65°	11320.1	10733.1	11238.0	11463.7	11640.2	11742.8	12387.2	12871.6	12108.1	11710.0
67.5°	11028.7	9895.8	9801.4	9813.7	9867.1	10486.9	12141.0	12218.9	11262.6	10934.3
70°	9707.0	8118.6	7991.4	8089.9	7823.1	8570.1	11143.6	11106.6	9936.9	9596.2
72.5°	7851.8	5918.6	5701.1	5836.5	5898.1	6690.3	9374.6	8422.3	7248.5	6981.7
75°	6238.8	4338.4	3661.2	3989.5	4198.9	4872.0	7322.3	5721.6	5060.8	4699.6
77.5°	4900.7	3283.6	2848.5	2717.1	2910.1	3542.1	5327.6	3004.5	2651.5	2483.2
80°	3107.1	2413.4	2618.6	2429.8	2511.9	2528.3	2774.6	1366.8	1087.7	1075.4
82.5°	1871.6	1650.0	1961.9	1079.5	1966.0	1756.7	1153.4	619.8	550.0	550.0
85°	1325.7	1022.0	677.2	439.2	874.2	964.5	447.4	320.1	279.1	270.9
87.5°	664.9	316.0	151.9	98.5	110.8	180.6	53.4	24.6	24.6	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)