

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: P599339

Luminaire Tested: **IFLD-L-SA8C-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: P599339
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

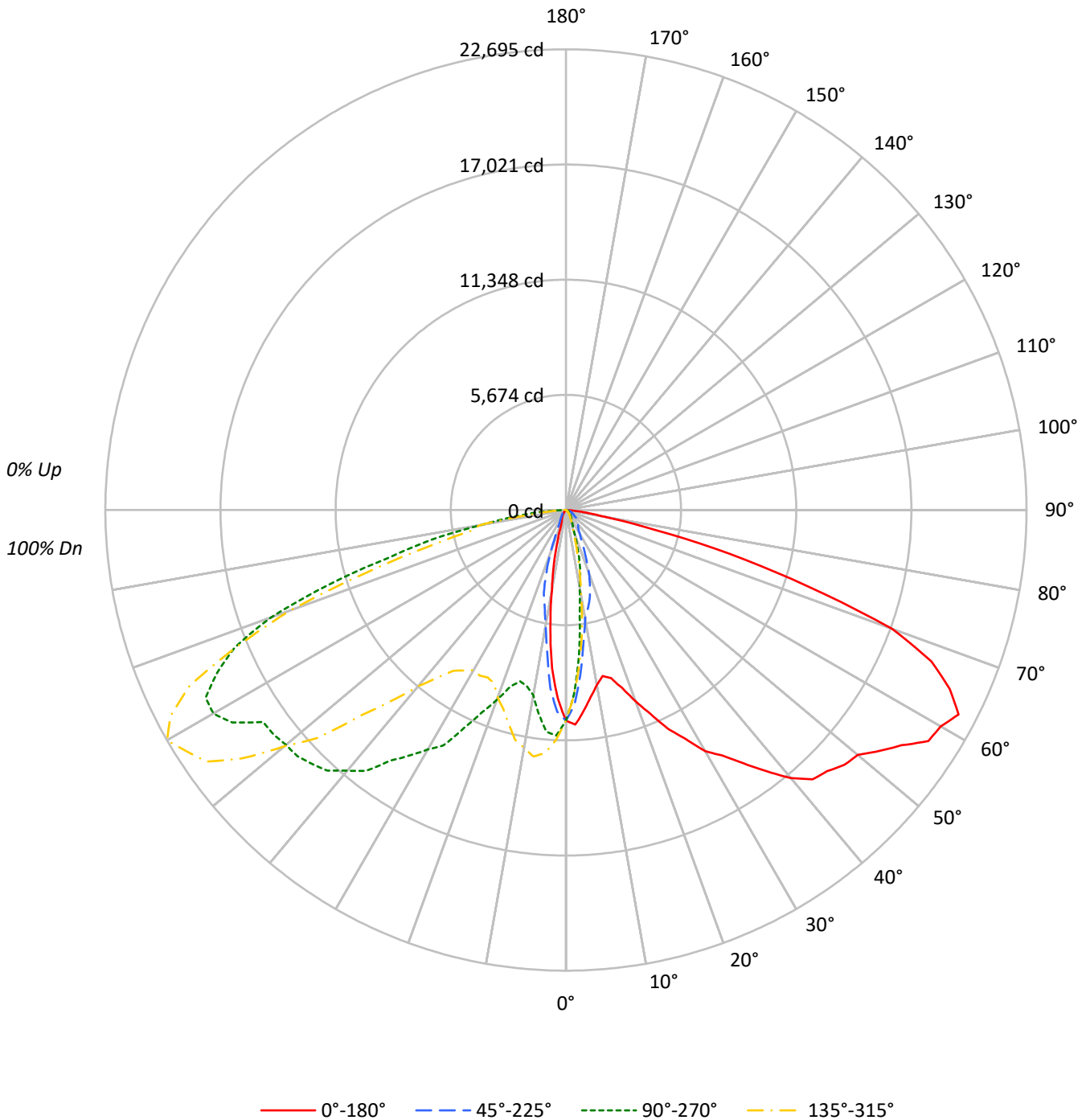
Lumens per Lamp: N/A
 Luminaire Lumens: 27128.4 lumens
 Efficiency: N/A
 Efficacy: 64.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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: P599339
CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

Luminous Intensity Polar Plot



TEST NUMBER: P599339
 CATALOG NUMBER: IFLD-L-SA8C-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	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	
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79			79	
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62			62	
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49			49	
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40			40	
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33			33	
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27			27	
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24			24	
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20			20	
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18			18	
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16			16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	55817	55817	55817	55817
5°	53739	39277	42280	59231
10°	47845	21384	21664	50643
15°	47761	14263	8721	48658
20°	57347	7121	3477	57012
25°	70534	4473	2693	70187
30°	85224	3591	2045	84679
35°	100000	2883	1586	98991
40°	121064	2467	1028	117723
45°	138502	2227	556	134661
50°	157138	2143	122	150708
55°	189550	2059	0	170883
60°	229488	1732	0	215868
65°	265733	1397	0	241517
70°	269082	1150	0	243532
75°	174142	761	0	186764
80°	59393	226	0	132156
85°	29807	0	0	97104

TEST NUMBER: P599339
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.6	2.9
10°-20°	1521.3	5.6
20°-30°	2118.7	7.8
30°-40°	3010.5	11.1
40°-50°	4174.7	15.4
50°-60°	5688.2	21.0
60°-70°	6253.8	23.1
70°-80°	3073.7	11.3
80°-90°	501.9	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°	4425.6	16.3
0°-40°	7436.1	27.4
0°-60°	17299.0	63.8
0°-90°	27128.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27128.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10371	10371	10371	10371	10371	
5°	9947	7270	7826	10964	9947	910
15°	8572	2560	1565	8733	8572	2537
25°	11878	753	454	11819	11878	5522
35°	15220	439	241	15067	15220	9661
45°	18197	293	73	17692	18197	14106
55°	20201	219	0	18212	20201	18172
65°	20867	110	0	18965	20867	20165
75°	8374	37	0	8982	8374	9130
85°	483	0	0	1572	483	668
90°	0	0	0	0	0	

TEST NUMBER: P599339
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2
2.5°	10583.3	10707.6	10590.6	10181.0	10107.9	9910.4	9610.5	9588.6	9274.1	9310.7	9142.4
5°	9947.0	10071.3	9822.6	9281.4	8776.7	8374.5	8133.1	7701.6	7606.5	7394.4	7394.4
7.5°	9296.0	9288.7	8864.5	8411.0	7657.7	6919.0	6582.5	5960.9	5595.2	5397.7	5207.5
10°	8754.8	8637.8	8374.5	7438.3	6619.1	5851.2	5434.3	5024.7	4644.4	4315.2	3986.1
12.5°	8374.5	8447.6	8030.7	7014.1	5953.6	5419.6	4973.5	4542.0	4088.5	3715.5	3349.8
15°	8571.9	8454.9	7964.9	6919.0	5843.8	5112.4	4520.0	3993.4	3488.8	2998.7	2720.8
17.5°	9186.3	8886.4	8308.6	6919.0	5617.1	4644.4	3927.6	3305.9	2764.7	2325.8	1982.1
20°	10012.8	9669.0	9047.3	7175.0	5448.9	4300.6	3320.5	2537.9	1974.8	1565.2	1301.9
22.5°	10861.2	10590.6	9654.4	7277.4	5251.4	3839.8	2618.4	1835.8	1316.5	1053.2	921.6
25°	11877.8	11497.5	10473.6	7687.0	4958.9	3393.7	2062.5	1279.9	980.1	841.1	760.7
27.5°	12689.7	12623.9	11241.5	7935.6	4739.4	3028.0	1631.0	1016.6	811.8	709.5	658.3
30°	13713.6	13355.3	12177.7	8433.0	4490.8	2611.1	1360.4	914.2	746.0	636.3	599.7
32.5°	14328.0	14159.8	12667.8	8710.9	4212.8	2267.3	1170.2	804.5	680.2	599.7	563.2
35°	15220.3	14883.9	13369.9	8886.4	4066.6	2069.8	1053.2	731.4	570.5	490.0	446.2
37.5°	16215.0	16090.7	14211.0	8879.1	3854.4	1952.8	972.8	680.2	541.2	453.5	402.3
40°	17231.7	16727.0	14723.0	9083.9	3744.7	1865.1	914.2	650.9	512.0	431.5	365.7
42.5°	17992.3	17414.5	15315.4	9010.8	3613.1	1711.5	892.3	607.1	490.0	395.0	336.4
45°	18197.1	17992.3	15849.3	8988.8	3518.0	1587.1	855.7	599.7	475.4	373.0	314.5
47.5°	18592.0	18453.1	16507.6	9025.4	3444.9	1492.0	768.0	614.4	453.5	351.1	299.9
50°	18767.6	18518.9	17041.5	9113.2	3276.6	1375.0	687.5	643.6	446.2	343.8	285.2
52.5°	19491.7	19272.2	17772.9	9361.8	3137.7	1221.4	607.1	614.4	460.8	321.8	270.6
55°	20201.1	19952.4	18899.2	9932.3	2940.2	1097.1	519.3	541.2	438.8	292.6	241.4
57.5°	21173.9	20764.3	19652.6	10166.4	2764.7	928.9	460.8	446.2	409.6	263.3	212.1
60°	21320.1	21488.4	19542.9	10020.1	2581.8	819.2	402.3	343.8	438.8	234.0	182.8
62.5°	21810.2	21108.0	19030.9	9683.7	2450.2	753.3	358.4	285.2	380.3	204.8	153.6
65°	20866.7	20347.4	17831.4	8601.2	2282.0	760.7	314.5	234.0	241.4	168.2	124.3
67.5°	19484.3	19074.8	15842.0	7423.7	2113.7	746.0	277.9	204.8	182.8	146.3	109.7
70°	17100.0	16215.0	13457.7	6026.7	1865.1	694.8	234.0	182.8	153.6	117.0	80.5
72.5°	12441.0	12082.6	9654.4	4659.0	1674.9	629.0	219.4	153.6	131.7	87.8	65.8
75°	8374.5	7782.0	6092.5	3057.2	1345.8	548.5	182.8	139.0	102.4	65.8	51.2
77.5°	4424.9	4183.6	3452.2	1455.5	746.0	256.0	102.4	80.5	58.5	51.2	29.3
80°	1916.3	1704.1	1492.0	592.4	263.3	117.0	65.8	43.9	36.6	29.3	14.6
82.5°	980.1	936.2	775.3	256.0	153.6	87.8	36.6	29.3	21.9	14.6	7.3
85°	482.7	497.3	409.6	80.5	87.8	51.2	7.3	7.3	0.0	0.0	0.0
87.5°	36.6	36.6	29.3	14.6	21.9	7.3	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: P599339
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2
2.5°	9076.6	9179.0	9003.5	9113.2	9062.0	9083.9	9105.9	9047.3	9062.0	9266.8	9274.1
5°	7270.1	7467.5	7394.4	7496.8	7672.3	7584.6	7665.0	7650.4	7665.0	7694.3	7825.9
7.5°	5185.6	5127.1	5266.0	5536.7	5851.2	6041.3	5946.2	5895.0	5865.8	5792.6	5880.4
10°	3913.0	3883.7	3847.1	3927.6	4132.4	4344.5	4461.5	4264.0	4154.3	4015.4	3964.2
12.5°	3247.4	3064.5	2962.1	2837.8	2896.3	3086.5	3093.8	2903.6	2728.1	2655.0	2735.4
15°	2559.9	2435.5	2252.7	2077.2	1989.4	2135.7	2011.3	1828.5	1601.8	1572.5	1565.2
17.5°	1828.5	1755.3	1623.7	1550.6	1448.2	1411.6	1279.9	1002.0	841.1	797.2	811.8
20°	1243.4	1184.9	1177.5	1111.7	1067.8	1038.6	826.5	643.6	592.4	599.7	607.1
22.5°	921.6	892.3	855.7	848.4	811.8	775.3	607.1	541.2	504.7	504.7	526.6
25°	753.3	738.7	702.1	687.5	672.9	621.7	512.0	460.8	446.2	431.5	453.5
27.5°	643.6	636.3	614.4	592.4	577.8	526.6	446.2	402.3	387.6	387.6	387.6
30°	577.8	577.8	548.5	504.7	504.7	446.2	380.3	351.1	336.4	336.4	329.1
32.5°	541.2	526.6	490.0	460.8	438.8	380.3	336.4	307.2	285.2	285.2	292.6
35°	438.8	438.8	431.5	409.6	380.3	321.8	285.2	256.0	241.4	234.0	241.4
37.5°	387.6	365.7	336.4	343.8	329.1	277.9	241.4	219.4	197.5	197.5	197.5
40°	351.1	329.1	299.9	277.9	270.6	248.7	212.1	175.5	153.6	146.3	146.3
42.5°	314.5	299.9	256.0	219.4	212.1	212.1	160.9	131.7	109.7	109.7	109.7
45°	292.6	270.6	234.0	190.2	153.6	160.9	131.7	95.1	80.5	73.1	73.1
47.5°	277.9	256.0	204.8	160.9	117.0	117.0	95.1	65.8	51.2	43.9	43.9
50°	256.0	234.0	182.8	131.7	87.8	73.1	58.5	36.6	21.9	14.6	14.6
52.5°	241.4	219.4	160.9	109.7	73.1	51.2	36.6	7.3	0.0	0.0	0.0
55°	219.4	190.2	139.0	87.8	58.5	29.3	7.3	0.0	0.0	0.0	0.0
57.5°	190.2	168.2	109.7	65.8	36.6	7.3	0.0	0.0	0.0	0.0	0.0
60°	160.9	139.0	87.8	51.2	14.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	131.7	117.0	65.8	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	109.7	87.8	51.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	95.1	73.1	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	73.1	51.2	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	51.2	36.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	36.6	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	21.9	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.3	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: P599339
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2
2.5°	9303.3	9522.8	9727.5	9786.1	9947.0	10393.1	10393.1	10605.2	10985.5	11124.5	11153.8
5°	7847.9	8081.9	8125.8	8579.3	8791.4	9244.8	9544.7	10261.5	10693.0	10963.6	11131.8
7.5°	5968.2	6048.6	6216.9	6641.1	7058.0	7606.5	8177.0	9091.2	9851.9	10159.1	10729.6
10°	4103.1	4344.5	4710.2	5090.5	5741.4	6348.5	7087.2	7950.3	8886.4	9266.8	9756.8
12.5°	2764.7	3101.1	3686.2	4227.5	4827.2	5441.6	6143.7	7299.3	8359.8	8886.4	9376.5
15°	1616.4	2026.0	2530.6	3408.3	4205.5	4893.0	5595.2	6765.4	8052.7	8732.8	9332.6
17.5°	819.2	943.5	1360.4	2121.0	3174.3	4300.6	5346.5	6838.5	8286.7	9120.5	9617.8
20°	614.4	650.9	768.0	1126.3	2172.2	3554.6	5112.4	6948.2	8937.6	9954.3	10224.9
22.5°	533.9	563.2	614.4	731.4	1221.4	2720.8	4783.3	7218.9	9822.6	10780.8	11351.2
25°	453.5	482.7	526.6	599.7	782.6	1850.4	4381.1	7504.1	10612.5	11819.3	12353.3
27.5°	395.0	416.9	460.8	519.3	636.3	1177.5	3686.2	7884.4	11819.3	13077.3	13216.3
30°	336.4	358.4	395.0	460.8	541.2	833.8	2706.2	7935.6	12484.9	13625.9	14013.5
32.5°	292.6	299.9	343.8	402.3	453.5	658.3	1901.6	7986.8	12974.9	14335.3	14415.8
35°	241.4	256.0	299.9	336.4	395.0	519.3	1440.8	7730.8	13611.3	15066.7	15044.8
37.5°	197.5	219.4	248.7	277.9	321.8	438.8	1148.3	7255.4	14408.5	16200.4	15512.9
40°	153.6	175.5	204.8	241.4	270.6	395.0	863.0	6538.7	15242.3	16756.2	16024.9
42.5°	109.7	124.3	153.6	190.2	241.4	329.1	621.7	5690.2	15571.4	17407.2	16639.2
45°	80.5	95.1	117.0	160.9	248.7	263.3	431.5	4915.0	15922.5	17692.4	16500.3
47.5°	43.9	58.5	87.8	139.0	219.4	197.5	307.2	4220.1	16324.7	17948.4	16610.0
50°	14.6	21.9	51.2	146.3	175.5	153.6	241.4	3847.1	16719.7	17999.6	16829.4
52.5°	0.0	0.0	29.3	153.6	131.7	117.0	212.1	3700.9	16617.3	18160.5	16690.4
55°	0.0	0.0	7.3	65.8	73.1	87.8	175.5	3693.5	17341.4	18211.7	17451.1
57.5°	0.0	0.0	0.0	21.9	43.9	73.1	153.6	3459.5	17802.1	19484.3	18475.0
60°	0.0	0.0	0.0	7.3	29.3	51.2	117.0	3254.7	18270.2	20054.8	19572.1
62.5°	0.0	0.0	0.0	0.0	7.3	21.9	80.5	2940.2	17326.7	20011.0	20632.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	51.2	2325.8	15586.0	18965.1	20047.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	29.3	1609.1	13647.8	17648.5	18972.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	972.8	11014.8	15476.3	16090.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	416.9	7862.5	12287.4	13201.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.2	4863.8	8981.5	10107.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.8	3152.3	6802.0	7672.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	1682.2	4264.0	4958.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	731.4	2589.1	2984.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.0	1572.5	1791.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241.4	321.8
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: P599339
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2	10371.2
2.5°	11168.4	11380.5	11461.0	11336.6	11351.2	11095.3	11058.7	10700.3	10554.0	10583.3
5°	11680.4	11987.6	12155.8	12016.8	11702.3	11212.3	10766.1	10341.9	10078.6	9947.0
7.5°	11563.3	11907.1	12119.2	12250.9	11892.5	11102.6	10422.4	9625.2	9288.7	9296.0
10°	10919.7	11636.5	12068.0	11899.8	11731.6	10941.7	9888.5	9025.4	8725.5	8754.8
12.5°	10400.4	11197.6	11453.6	11585.3	11241.5	10612.5	9903.1	8915.7	8579.3	8374.5
15°	10078.6	10671.0	10685.7	10890.5	10751.5	10751.5	10056.7	9091.2	8798.7	8571.9
17.5°	10078.6	10210.3	10195.6	10268.8	10502.8	10780.8	10444.3	9800.7	9222.9	9186.3
20°	10305.3	9895.8	9800.7	9829.9	10027.4	10853.9	11300.0	10495.5	10129.8	10012.8
22.5°	10832.0	9932.3	9354.5	9252.1	9859.2	10846.6	11848.6	11592.6	10956.3	10861.2
25°	11556.0	9866.5	9237.5	9105.9	9566.6	11109.9	12601.9	12653.1	12075.3	11877.8
27.5°	12243.5	10159.1	9222.9	9193.6	9800.7	11051.4	13121.2	13501.5	12850.6	12689.7
30°	12477.6	10451.6	9493.5	9105.9	9888.5	11263.5	13106.6	14101.3	13677.1	13713.6
32.5°	12755.5	10744.2	9522.8	9369.2	10261.5	11607.2	13523.5	15066.7	14759.5	14328.0
35°	13165.1	11139.1	9800.7	9661.7	10524.8	11914.4	13611.3	15776.2	15725.0	15220.3
37.5°	13516.2	11526.8	10378.5	10400.4	11329.3	12411.8	13998.9	16646.5	16558.8	16215.0
40°	13764.8	12068.0	11278.1	11336.6	12031.4	12967.6	14686.4	17085.4	17736.3	17231.7
42.5°	13801.4	12550.7	12309.4	12777.5	13428.4	13830.7	14964.3	17385.2	18321.4	17992.3
45°	13940.4	13318.7	13991.6	14335.3	14869.2	14591.3	14949.7	17897.2	18365.3	18197.1
47.5°	14481.6	14715.7	15564.1	16610.0	16800.1	15885.9	15300.8	17977.7	18614.0	18592.0
50°	15044.8	16215.0	17407.2	18102.0	18343.4	16778.2	15629.9	17911.8	18943.1	18767.6
52.5°	15673.8	17516.9	19235.7	20091.4	19959.8	17765.6	16002.9	18445.8	19550.2	19491.7
55°	16068.7	18102.0	20413.2	21605.4	21503.0	18870.0	17187.8	19213.7	20347.4	20201.1
57.5°	17114.6	19052.8	21583.4	22139.3	22409.9	20318.1	18014.2	20471.7	21013.0	21173.9
60°	17977.7	19674.5	21890.6	22695.2	22790.3	21181.2	19462.4	21766.3	21861.4	21320.1
62.5°	19243.0	19915.9	21239.7	21963.8	22453.8	21671.2	20764.3	22461.1	21846.8	21810.2
65°	20171.9	19126.0	20025.6	20427.8	20742.3	20925.2	22073.5	22936.5	21576.1	20866.7
67.5°	19652.6	17633.9	17465.7	17487.6	17582.7	18687.1	21634.6	21773.6	20069.5	19484.3
70°	17297.5	14467.0	14240.2	14415.8	13940.4	15271.5	19857.4	19791.5	17707.1	17100.0
72.5°	13991.6	10546.7	10159.1	10400.4	10510.1	11921.7	16705.0	15008.2	12916.4	12441.0
75°	11117.2	7730.8	6524.0	7109.2	7482.2	8681.7	13048.1	10195.6	9018.1	8374.5
77.5°	8732.8	5851.2	5075.9	4841.8	5185.6	6311.9	9493.5	5353.8	4724.8	4424.9
80°	5536.7	4300.6	4666.3	4329.9	4476.1	4505.4	4944.2	2435.5	1938.2	1916.3
82.5°	3335.2	2940.2	3496.1	1923.6	3503.4	3130.4	2055.2	1104.4	980.1	980.1
85°	2362.4	1821.2	1206.8	782.6	1557.9	1718.8	797.2	570.5	497.3	482.7
87.5°	1184.9	563.2	270.6	175.5	197.5	321.8	95.1	43.9	43.9	36.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)