

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: P598787

Luminaire Tested: **IFLD-L-SA8B-760-U-SLR**

Issue Date: 05/03/2022

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: P598787
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

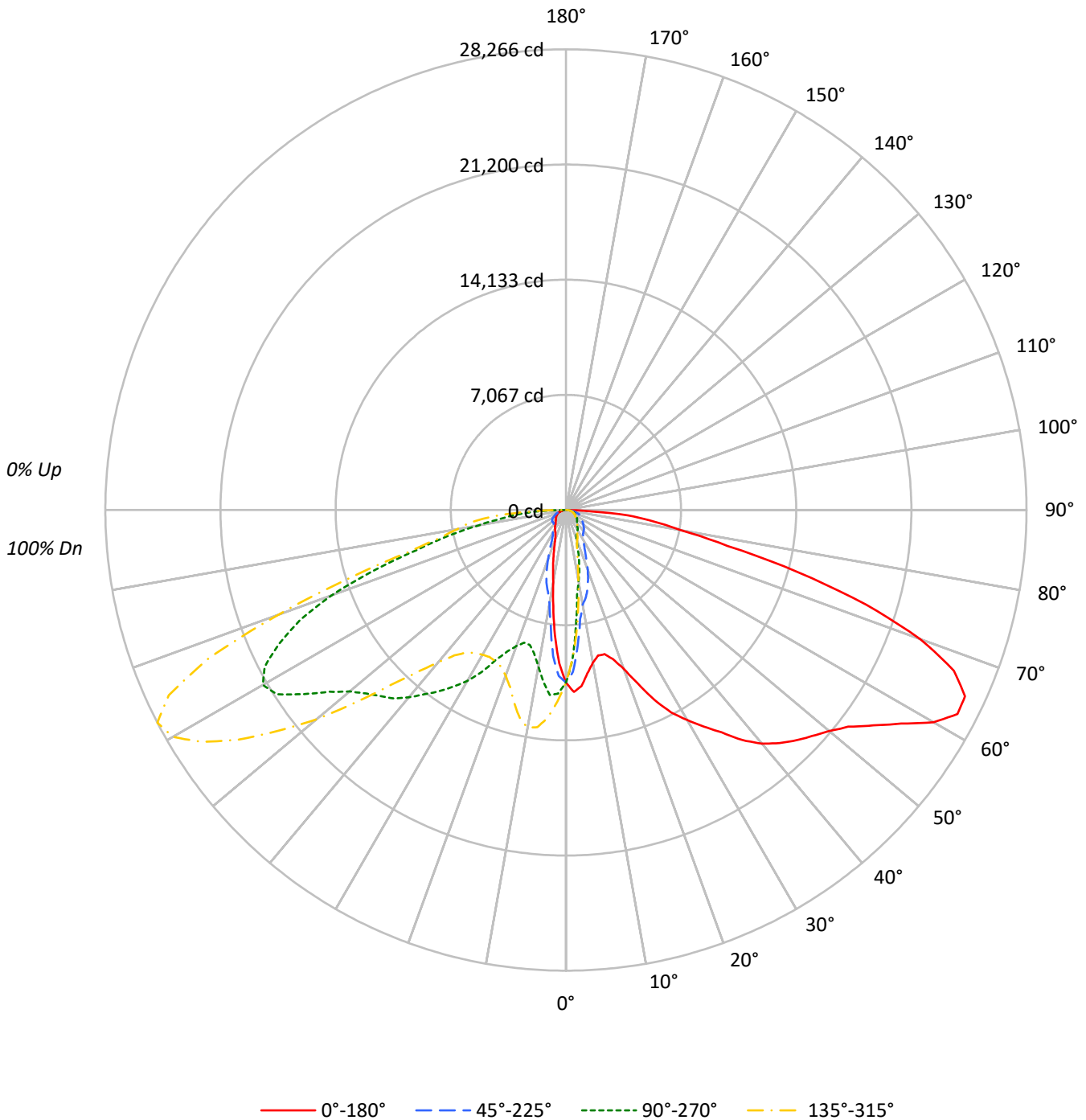
Lumens per Lamp: N/A
 Luminaire Lumens: 35410.2 lumens
 Efficiency: N/A
 Efficacy: 110.7 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 320
 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: P598787
CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

Luminous Intensity Polar Plot



TEST NUMBER: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56929	56929	56929	56929
5°	58587	38097	41619	61548
10°	51977	24208	24450	53192
15°	51013	17169	16261	47711
20°	59309	10861	10946	50825
25°	76274	9326	9061	60086
30°	92435	8838	8286	75218
35°	109404	7787	7495	89158
40°	131456	7390	6870	105331
45°	152111	7330	6653	122794
50°	176634	7443	6698	145003
55°	216158	7645	6811	184742
60°	280338	7654	7176	231063
65°	344118	7735	7358	247335
70°	364134	8159	7693	240813
75°	306520	8625	7702	196543
80°	222691	10101	7804	169888
85°	236025	14635	6404	176559

TEST NUMBER: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.6	2.3
10°-20°	1713.3	4.8
20°-30°	2469.0	7.0
30°-40°	3554.4	10.0
40°-50°	5048.7	14.3
50°-60°	7258.6	20.5
60°-70°	8386.1	23.7
70°-80°	4748.4	13.4
80°-90°	1413.1	4.0
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°	5000.9	14.1
0°-40°	8555.2	24.2
0°-60°	20862.6	58.9
0°-90°	35410.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35410.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10578	10578	10578	10578	10578	
5°	10844	7052	7704	11392	10844	984
15°	9156	3081	2918	8563	9156	2692
25°	12844	1570	1526	10118	12844	5962
35°	16652	1185	1141	13570	16652	10568
45°	19985	963	874	16133	19985	15475
55°	23037	815	726	19689	23037	20863
65°	27022	607	578	19422	27022	25912
75°	14741	415	370	9452	14741	15640
85°	3822	237	104	2859	3822	3807
90°	0	0	0	0	0	

TEST NUMBER: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7
2.5°	11170.3	11155.4	11066.5	10785.1	10488.8	10207.3	9940.6	9659.2	9511.0	9333.2	9259.2
5°	10844.3	10814.7	10562.8	9940.6	9392.5	8799.9	8296.2	7896.2	7570.3	7244.4	7125.8
7.5°	10103.6	10059.2	9762.9	8903.6	8103.6	7333.3	6725.9	6207.3	5777.7	5585.1	5362.9
10°	9511.0	9436.9	9051.8	8103.6	7066.6	6296.2	5896.2	5540.7	5170.3	4859.2	4533.3
12.5°	9140.6	9051.8	8651.8	7540.7	6533.3	5955.5	5540.7	5140.7	4681.4	4296.3	3940.7
15°	9155.5	9051.8	8562.9	7392.5	6399.9	5659.2	5081.4	4533.3	4000.0	3570.3	3170.3
17.5°	9585.1	9451.8	8933.2	7599.9	6296.2	5274.0	4503.7	3792.6	3185.2	2725.9	2400.0
20°	10355.4	10266.6	9674.0	7911.0	6192.5	4859.2	3911.1	3051.8	2414.8	2059.2	1925.9
22.5°	11511.0	11407.3	10770.3	8385.1	6162.9	4488.8	3274.0	2400.0	1940.7	1792.6	1718.5
25°	12844.3	12651.7	12059.1	9185.1	6222.2	4148.1	2755.5	1985.2	1733.3	1629.6	1585.2
27.5°	13999.8	13881.3	13214.7	9940.6	6251.8	3881.4	2400.0	1807.4	1614.8	1525.9	1496.3
30°	14873.9	14829.5	14177.6	10770.3	6177.7	3555.5	2177.8	1733.3	1614.8	1525.9	1437.0
32.5°	15748.0	15762.8	15066.5	11407.3	6074.0	3274.0	1970.3	1540.7	1422.2	1362.9	1377.8
35°	16651.7	16725.7	16133.2	12029.5	5851.8	3170.3	1822.2	1437.0	1333.3	1244.4	1200.0
37.5°	17792.4	17985.0	17407.2	12725.8	5629.6	3081.4	1748.1	1362.9	1259.2	1185.2	1125.9
40°	18710.9	19066.5	18725.7	13377.6	5481.4	2977.7	1688.9	1288.9	1214.8	1125.9	1081.5
42.5°	19392.4	19807.2	19688.7	13881.3	5481.4	2874.0	1629.6	1244.4	1185.2	1081.5	1022.2
45°	19985.0	20414.6	20399.8	14399.8	5599.9	2814.8	1555.5	1244.4	1155.5	1051.8	992.6
47.5°	20518.3	20947.9	21096.1	15051.7	5792.5	2785.2	1466.7	1214.8	1155.5	1037.0	948.1
50°	21096.1	21570.1	22014.6	16088.7	6029.6	2711.1	1407.4	1170.4	1170.4	1022.2	918.5
52.5°	21836.8	22370.1	23184.9	17377.6	6266.6	2577.8	1318.5	1140.7	1170.4	1007.4	888.9
55°	23036.8	23481.2	24547.9	18918.3	6562.9	2414.8	1244.4	1066.7	1111.1	963.0	844.4
57.5°	24384.9	24770.1	25659.0	20103.5	6651.8	2207.4	1140.7	992.6	1066.7	918.5	785.2
60°	26044.2	26236.8	26236.8	20444.2	6355.5	2014.8	1066.7	933.3	963.0	874.1	740.7
62.5°	27096.0	27096.0	26236.8	19822.0	5792.5	1851.8	1007.4	874.1	844.4	814.8	696.3
65°	27021.9	26903.4	25629.4	18014.6	5140.7	1748.1	948.1	800.0	755.5	740.7	651.8
67.5°	25777.5	25570.1	23836.8	15466.5	4459.2	1703.7	888.9	725.9	696.3	666.7	592.6
70°	23140.5	22607.2	20473.9	12444.3	3792.6	1674.1	874.1	666.7	637.0	607.4	548.1
72.5°	19318.3	18636.8	15985.0	9570.3	3185.2	1570.4	829.6	592.6	577.8	548.1	488.9
75°	14740.6	13481.3	11155.4	7318.4	2474.0	1362.9	711.1	518.5	518.5	503.7	444.4
77.5°	10162.9	9511.0	7777.7	5407.3	1807.4	1051.8	577.8	459.3	459.3	474.1	414.8
80°	7185.1	6577.7	5540.7	3881.4	1140.7	711.1	444.4	385.2	429.6	459.3	385.2
82.5°	5496.2	5051.8	4118.5	2829.6	666.7	488.9	340.7	311.1	370.4	400.0	325.9
85°	3822.2	3288.9	2088.9	1896.3	385.2	296.3	251.8	251.8	325.9	400.0	296.3
87.5°	1081.5	459.3	133.3	563.0	163.0	118.5	88.9	59.3	88.9	88.9	59.3
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: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7
2.5°	9185.1	9096.2	9096.2	9066.6	9081.4	9096.2	9081.4	9185.1	9229.5	9288.8	9407.3
5°	7051.8	7170.3	7081.4	7170.3	7288.8	7466.6	7511.0	7644.4	7659.2	7762.9	7703.6
7.5°	5229.6	5214.8	5140.7	5244.4	5570.3	5822.2	5940.7	6014.8	6029.6	6029.6	5955.5
10°	4429.6	4296.3	4162.9	4088.8	4118.5	4385.1	4474.0	4518.5	4488.8	4533.3	4474.0
12.5°	3792.6	3674.0	3481.4	3348.1	3259.2	3333.3	3422.2	3466.6	3496.3	3570.3	3629.6
15°	3081.4	2962.9	2844.4	2770.3	2696.3	2637.0	2711.1	2755.5	2829.6	2888.9	2918.5
17.5°	2340.7	2281.5	2222.2	2266.6	2266.6	2237.0	2266.6	2281.5	2311.1	2355.5	2340.7
20°	1896.3	1881.5	1866.6	1940.7	2000.0	2000.0	2029.6	1985.2	1970.3	1925.9	1911.1
22.5°	1688.9	1688.9	1703.7	1762.9	1822.2	1851.8	1851.8	1777.8	1703.7	1674.1	1688.9
25°	1570.4	1570.4	1614.8	1629.6	1659.2	1659.2	1674.1	1600.0	1555.5	1511.1	1525.9
27.5°	1481.5	1481.5	1496.3	1496.3	1511.1	1511.1	1525.9	1496.3	1437.0	1422.2	1422.2
30°	1422.2	1422.2	1407.4	1407.4	1407.4	1407.4	1422.2	1377.8	1348.1	1333.3	1333.3
32.5°	1362.9	1348.1	1333.3	1333.3	1318.5	1318.5	1333.3	1288.9	1274.1	1274.1	1274.1
35°	1185.2	1170.4	1185.2	1214.8	1214.8	1229.6	1229.6	1214.8	1185.2	1155.5	1140.7
37.5°	1111.1	1096.3	1096.3	1096.3	1125.9	1140.7	1155.5	1125.9	1081.5	1037.0	1037.0
40°	1051.8	1051.8	1037.0	1037.0	1037.0	1066.7	1096.3	1051.8	992.6	977.8	977.8
42.5°	1007.4	992.6	977.8	963.0	948.1	992.6	1022.2	963.0	933.3	933.3	933.3
45°	963.0	948.1	933.3	918.5	903.7	918.5	948.1	888.9	874.1	874.1	874.1
47.5°	918.5	903.7	874.1	859.3	844.4	844.4	874.1	829.6	814.8	829.6	829.6
50°	888.9	859.3	829.6	814.8	800.0	800.0	800.0	785.2	785.2	785.2	800.0
52.5°	859.3	829.6	785.2	770.4	755.5	755.5	755.5	755.5	740.7	755.5	770.4
55°	814.8	785.2	755.5	740.7	725.9	711.1	725.9	711.1	711.1	725.9	725.9
57.5°	755.5	725.9	696.3	696.3	681.5	681.5	696.3	681.5	681.5	696.3	696.3
60°	711.1	681.5	651.8	651.8	637.0	651.8	666.7	651.8	651.8	651.8	666.7
62.5°	651.8	637.0	607.4	607.4	607.4	607.4	622.2	607.4	622.2	622.2	622.2
65°	607.4	577.8	563.0	563.0	563.0	563.0	592.6	563.0	577.8	577.8	577.8
67.5°	563.0	533.3	518.5	518.5	518.5	518.5	548.1	518.5	533.3	548.1	533.3
70°	518.5	488.9	474.1	474.1	474.1	474.1	488.9	474.1	474.1	488.9	488.9
72.5°	459.3	444.4	429.6	429.6	414.8	429.6	444.4	429.6	429.6	429.6	429.6
75°	414.8	400.0	400.0	385.2	385.2	385.2	400.0	370.4	370.4	370.4	370.4
77.5°	385.2	355.6	355.6	355.6	340.7	355.6	340.7	311.1	311.1	311.1	311.1
80°	325.9	296.3	311.1	311.1	296.3	296.3	281.5	251.8	251.8	251.8	251.8
82.5°	266.7	237.0	251.8	251.8	251.8	251.8	222.2	207.4	192.6	177.8	177.8
85°	237.0	192.6	222.2	222.2	207.4	207.4	148.1	148.1	118.5	118.5	103.7
87.5°	44.4	29.6	59.3	74.1	74.1	88.9	59.3	74.1	44.4	29.6	29.6
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: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7
2.5°	9392.5	9555.5	9777.7	9940.6	10192.5	10385.1	10681.4	10933.2	11170.3	11274.0	11377.7
5°	7881.4	7985.1	8325.8	8592.5	8992.5	9422.1	9955.4	10533.2	11125.8	11392.5	11703.6
7.5°	5896.2	6088.8	6281.4	6666.6	7155.5	7851.8	8533.2	9392.5	10222.1	10622.1	11155.4
10°	4577.7	4725.9	4948.1	5348.1	5807.3	6385.1	7199.9	8222.1	9214.7	9733.2	10281.4
12.5°	3674.0	3881.4	4177.7	4592.5	5125.9	5718.5	6311.0	7259.2	8414.7	9007.3	9629.5
15°	2977.7	3140.7	3466.6	3985.1	4607.4	5214.8	5837.0	6622.2	7881.4	8562.9	9303.6
17.5°	2370.3	2488.9	2785.2	3303.7	3925.9	4607.4	5318.5	6311.0	7703.6	8533.2	9407.3
20°	1925.9	2014.8	2207.4	2592.6	3185.2	3925.9	4814.8	6014.8	7807.3	8874.0	9940.6
22.5°	1688.9	1718.5	1807.4	2014.8	2503.7	3288.9	4355.5	5762.9	7999.9	9377.7	10814.7
25°	1525.9	1555.5	1585.2	1718.5	2000.0	2740.7	3955.5	5614.8	8414.7	10118.4	11822.1
27.5°	1422.2	1451.8	1466.7	1525.9	1718.5	2340.7	3614.8	5525.9	8977.7	11199.9	13066.5
30°	1333.3	1333.3	1377.8	1466.7	1600.0	2059.2	3318.5	5318.5	9570.3	12103.6	14044.3
32.5°	1259.2	1274.1	1333.3	1377.8	1466.7	1822.2	3022.2	5051.8	10103.6	12844.3	15007.2
35°	1125.9	1125.9	1140.7	1214.8	1333.3	1629.6	2755.5	4785.1	10399.9	13570.2	15866.5
37.5°	1037.0	1051.8	1081.5	1140.7	1244.4	1496.3	2533.3	4488.8	10711.0	14251.7	16873.9
40°	977.8	992.6	1022.2	1081.5	1185.2	1377.8	2340.7	4251.8	11036.9	14992.4	17955.4
42.5°	933.3	948.1	977.8	1037.0	1125.9	1348.1	2133.3	4059.2	11229.5	15673.9	18977.6
45°	888.9	903.7	948.1	1007.4	1081.5	1318.5	2014.8	3925.9	11303.6	16133.2	19792.4
47.5°	844.4	859.3	903.7	992.6	1081.5	1274.1	1970.3	3851.8	11362.8	16651.7	20444.2
50°	800.0	829.6	888.9	977.8	1096.3	1214.8	1940.7	3837.0	11703.6	17318.3	21066.4
52.5°	770.4	814.8	874.1	977.8	1081.5	1125.9	1925.9	3881.4	12385.1	18310.9	21955.3
55°	740.7	785.2	844.4	977.8	1037.0	1051.8	1851.8	3955.5	13422.1	19688.7	23214.6
57.5°	711.1	740.7	814.8	948.1	977.8	992.6	1703.7	4059.2	14459.1	21036.8	24503.4
60°	666.7	696.3	770.4	948.1	888.9	933.3	1511.1	4088.8	15199.8	21466.4	24622.0
62.5°	622.2	651.8	725.9	977.8	814.8	874.1	1348.1	3985.1	15348.0	20844.2	23955.3
65°	577.8	607.4	666.7	814.8	755.5	814.8	1244.4	3703.7	14859.1	19422.0	22740.5
67.5°	533.3	563.0	607.4	666.7	681.5	740.7	1200.0	3259.2	13629.5	17659.1	21081.3
70°	474.1	503.7	548.1	592.6	607.4	696.3	1125.9	2829.6	11644.3	15303.5	19051.6
72.5°	429.6	444.4	488.9	518.5	548.1	637.0	1081.5	2474.0	8903.6	12385.1	15540.6
75°	370.4	370.4	414.8	444.4	474.1	563.0	992.6	2059.2	6281.4	9451.8	11422.1
77.5°	311.1	311.1	340.7	370.4	400.0	488.9	844.4	1674.1	4355.5	7496.2	8281.4
80°	237.0	237.0	266.7	296.3	325.9	414.8	681.5	1229.6	2696.3	5481.4	6029.6
82.5°	163.0	163.0	207.4	222.2	237.0	325.9	518.5	844.4	1585.2	3955.5	4311.1
85°	88.9	88.9	118.5	133.3	163.0	237.0	385.2	592.6	948.1	2859.2	2874.0
87.5°	14.8	14.8	44.4	44.4	74.1	118.5	222.2	325.9	533.3	1585.2	1007.4
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: P598787
 CATALOG NUMBER: IFLD-L-SA8B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7	10577.7
2.5°	11570.2	11733.2	11748.0	11748.0	11673.9	11688.8	11481.4	11259.1	11185.1	11170.3
5°	12177.6	12607.3	12725.8	12785.0	12592.5	12296.2	11762.8	11185.1	10888.8	10844.3
7.5°	12059.1	12918.4	13377.6	13436.9	13051.7	12355.4	11422.1	10533.2	10192.5	10103.6
10°	11362.8	12518.4	13348.0	13555.4	13140.6	12251.7	11036.9	9999.9	9585.1	9511.0
12.5°	10874.0	11985.1	12799.9	13081.3	12888.8	12118.4	10844.3	9659.2	9244.3	9140.6
15°	10607.3	11629.5	12162.8	12251.7	12236.9	11911.0	10844.3	9733.2	9274.0	9155.5
17.5°	10829.5	11525.8	11599.9	11392.5	11511.0	11673.9	11081.4	10133.2	9688.8	9585.1
20°	11274.0	11481.4	11125.8	10814.7	10874.0	11392.5	11451.7	10888.8	10533.2	10355.4
22.5°	12207.3	11644.3	10829.5	10399.9	10444.3	11170.3	11940.6	11911.0	11599.9	11511.0
25°	13155.4	12103.6	10740.6	10236.9	10296.2	11125.8	12518.4	13051.7	12888.8	12844.3
27.5°	14207.3	12873.9	10799.9	10162.9	10236.9	11185.1	12918.4	14014.7	14044.3	13999.8
30°	14918.4	13244.3	10977.7	10251.7	10355.4	11333.2	13007.3	14592.4	14859.1	14873.9
32.5°	15510.9	13614.7	11348.0	10399.9	10577.7	11599.9	13244.3	15140.6	15733.2	15748.0
35°	15985.0	14029.5	11807.3	10666.6	10933.2	12044.3	13555.4	15659.1	16548.0	16651.7
37.5°	16592.4	14488.7	12340.6	11244.3	11540.6	12681.3	14103.6	16266.5	17510.9	17792.4
40°	17244.3	14948.0	13111.0	12177.6	12607.3	13629.5	14725.8	16948.0	18325.7	18710.9
42.5°	17970.2	15436.9	13985.0	13436.9	14088.7	14829.5	15436.9	17570.2	18947.9	19392.4
45°	18681.3	16029.5	15259.1	15155.4	15881.3	16251.7	16133.2	18014.6	19540.5	19985.0
47.5°	19185.0	16888.7	16799.8	17422.0	18103.5	17910.9	16948.0	18340.5	20029.4	20518.3
50°	19644.2	17955.4	18740.5	19955.3	20370.2	19718.3	17822.0	18785.0	20547.9	21096.1
52.5°	20325.7	19096.1	20740.5	22251.6	22651.6	21614.6	18770.2	19510.9	21347.9	21836.8
55°	21718.3	20385.0	22829.4	24562.7	24636.8	23347.9	20044.2	20740.5	22473.8	23036.8
57.5°	23273.8	21970.1	24488.6	26473.8	26444.2	25081.2	21481.3	22399.8	23999.7	24384.9
60°	24681.2	23570.1	26296.0	27836.7	27762.7	26340.5	23155.3	24281.2	25747.9	26044.2
62.5°	25510.8	25022.0	27096.0	28266.4	27984.9	26755.3	24577.5	25955.3	26992.3	27096.0
65°	25377.5	25851.6	26162.7	26888.6	26488.6	25599.7	25273.8	27021.9	27125.6	27021.9
67.5°	24370.1	25377.5	23599.7	23673.8	23466.4	22710.9	24192.3	26740.5	26029.4	25777.5
70°	22844.2	22918.3	19733.1	18799.8	19125.7	18088.7	20755.3	24547.9	23451.6	23140.5
72.5°	20310.9	19392.4	14918.4	13970.2	14459.1	13718.4	16651.7	21392.4	20325.7	19318.3
75°	17036.9	15362.8	11362.8	10014.7	10266.6	10236.9	12903.6	17673.9	15748.0	14740.6
77.5°	13199.9	11970.2	8385.1	7866.6	7599.9	7659.2	9007.3	13140.6	11422.1	10162.9
80°	9644.3	8370.3	6488.8	6785.1	6637.0	6281.4	6311.0	8799.9	7940.7	7185.1
82.5°	6666.6	5955.5	5259.2	5940.7	5585.1	5037.0	4918.5	6340.7	5955.5	5496.2
85°	4474.0	4903.7	4177.7	4548.1	3940.7	3629.6	4622.2	5303.6	4281.4	3822.2
87.5°	2918.5	4488.8	3007.4	2281.5	1303.7	1748.1	2829.6	3481.4	2000.0	1081.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)