

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: P599308

Luminaire Tested: **IFLD-L-SA8A-760-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: P599308
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-760-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (128) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

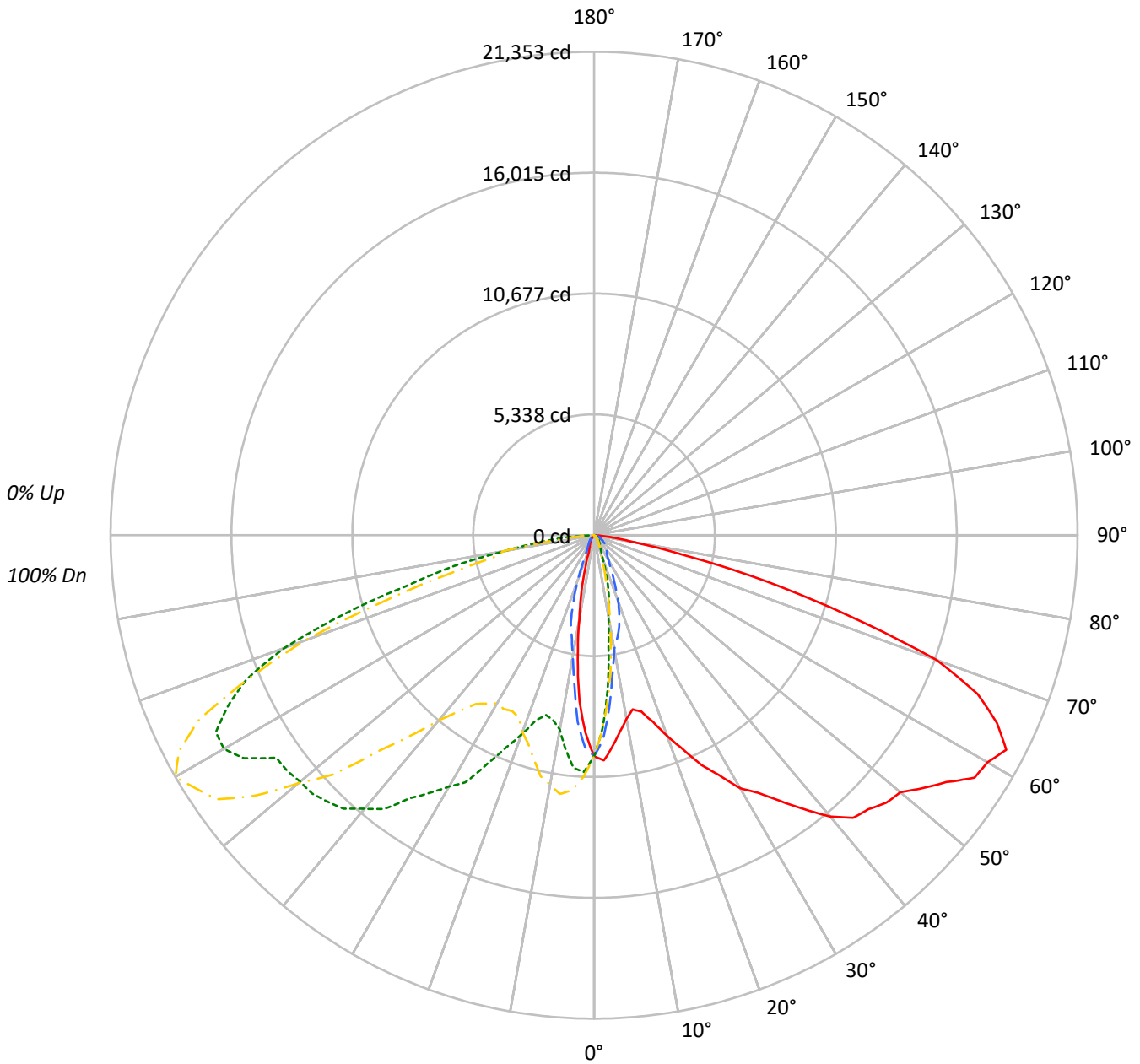
Lumens per Lamp: N/A
 Luminaire Lumens: 25524.2 lumens
 Efficiency: N/A
 Efficacy: 103.0 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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: P599308
CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-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°	52517	52517	52517	52517
5°	50561	36954	39779	55729
10°	45016	20120	20383	47648
15°	44937	13420	8205	45780
20°	53956	6700	3271	53640
25°	66363	4209	2533	66037
30°	80184	3378	1925	79671
35°	94087	2713	1492	93137
40°	113905	2321	967	110762
45°	130312	2095	524	126698
50°	147846	2017	116	141796
55°	178341	1937	0	160779
60°	215918	1630	0	203103
65°	250018	1314	0	227235
70°	253170	1083	0	229130
75°	163842	715	0	175720
80°	55878	214	0	124343
85°	28047	0	0	91361

TEST NUMBER: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.2	2.9
10°-20°	1431.3	5.6
20°-30°	1993.5	7.8
30°-40°	2832.5	11.1
40°-50°	3927.8	15.4
50°-60°	5351.9	21.0
60°-70°	5884.0	23.1
70°-80°	2891.9	11.3
80°-90°	472.2	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°	4163.9	16.3
0°-40°	6996.4	27.4
0°-60°	16276.1	63.8
0°-90°	25524.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25524.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9758	9758	9758	9758	9758	
5°	9359	6840	7363	10315	9359	856
15°	8065	2408	1473	8216	8065	2387
25°	11175	709	427	11120	11175	5196
35°	14320	413	227	14176	14320	9090
45°	17121	275	69	16646	17121	13272
55°	19006	206	0	17135	19006	17098
65°	19633	103	0	17844	19633	18973
75°	7879	34	0	8450	7879	8590
85°	454	0	0	1480	454	628
90°	0	0	0	0	0	

TEST NUMBER: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9
2.5°	9957.4	10074.4	9964.3	9579.0	9510.1	9324.3	9042.2	9021.6	8725.7	8760.1	8601.8
5°	9358.7	9475.7	9241.8	8732.5	8257.7	7879.2	7652.2	7246.1	7156.7	6957.1	6957.1
7.5°	8746.3	8739.4	8340.3	7913.6	7204.9	6509.8	6193.3	5608.4	5264.3	5078.5	4899.6
10°	8237.1	8127.0	7879.2	6998.4	6227.7	5505.1	5112.9	4727.5	4369.7	4060.0	3750.4
12.5°	7879.2	7948.1	7555.8	6599.3	5601.5	5099.1	4679.4	4273.4	3846.7	3495.8	3151.7
15°	8065.0	7954.9	7493.9	6509.8	5498.3	4810.1	4252.7	3757.3	3282.4	2821.4	2559.9
17.5°	8643.1	8360.9	7817.3	6509.8	5284.9	4369.7	3695.3	3110.4	2601.2	2188.3	1864.9
20°	9420.7	9097.3	8512.3	6750.7	5126.7	4046.3	3124.2	2387.9	1858.0	1472.6	1224.9
22.5°	10218.9	9964.3	9083.5	6847.0	4940.9	3612.8	2463.6	1727.2	1238.7	990.9	867.1
25°	11175.4	10817.6	9854.2	7232.4	4665.6	3193.0	1940.6	1204.3	922.1	791.4	715.7
27.5°	11939.3	11877.4	10576.8	7466.4	4459.2	2848.9	1534.6	956.5	763.8	667.5	619.3
30°	12902.7	12565.5	11457.6	7934.3	4225.2	2456.7	1279.9	860.2	701.9	598.7	564.3
32.5°	13480.7	13322.5	11918.6	8195.8	3963.7	2133.2	1101.0	757.0	640.0	564.3	529.9
35°	14320.3	14003.7	12579.3	8360.9	3826.1	1947.4	990.9	688.1	536.8	461.1	419.8
37.5°	15256.1	15139.2	13370.6	8354.1	3626.5	1837.3	915.2	640.0	509.2	426.6	378.5
40°	16212.7	15737.8	13852.3	8546.7	3523.3	1754.8	860.2	612.4	481.7	406.0	344.1
42.5°	16928.3	16384.7	14409.7	8477.9	3399.4	1610.3	839.5	571.2	461.1	371.6	316.5
45°	17121.0	16928.3	14912.1	8457.3	3310.0	1493.3	805.1	564.3	447.3	351.0	295.9
47.5°	17492.6	17361.9	15531.4	8491.7	3241.2	1403.8	722.6	578.0	426.6	330.3	282.1
50°	17657.8	17423.8	16033.7	8574.3	3082.9	1293.7	646.9	605.6	419.8	323.4	268.4
52.5°	18339.0	18132.6	16721.9	8808.2	2952.1	1149.2	571.2	578.0	433.5	302.8	254.6
55°	19006.5	18772.5	17781.6	9345.0	2766.3	1032.2	488.6	509.2	412.9	275.3	227.1
57.5°	19921.7	19536.4	18490.4	9565.2	2601.2	873.9	433.5	419.8	385.4	247.7	199.6
60°	20059.4	20217.6	18387.2	9427.6	2429.1	770.7	378.5	323.4	412.9	220.2	172.0
62.5°	20520.4	19859.8	17905.5	9111.0	2305.3	708.8	337.2	268.4	357.8	192.7	144.5
65°	19632.7	19144.1	16776.9	8092.6	2147.0	715.7	295.9	220.2	227.1	158.3	117.0
67.5°	18332.1	17946.8	14905.2	6984.7	1988.7	701.9	261.5	192.7	172.0	137.6	103.2
70°	16088.8	15256.1	12661.8	5670.3	1754.8	653.7	220.2	172.0	144.5	110.1	75.7
72.5°	11705.3	11368.1	9083.5	4383.5	1575.8	591.8	206.4	144.5	123.9	82.6	61.9
75°	7879.2	7321.8	5732.2	2876.4	1266.2	516.1	172.0	130.7	96.3	61.9	48.2
77.5°	4163.3	3936.2	3248.0	1369.4	701.9	240.9	96.3	75.7	55.1	48.2	27.5
80°	1802.9	1603.4	1403.8	557.4	247.7	110.1	61.9	41.3	34.4	27.5	13.8
82.5°	922.1	880.8	729.4	240.9	144.5	82.6	34.4	27.5	20.6	13.8	6.9
85°	454.2	467.9	385.4	75.7	82.6	48.2	6.9	6.9	0.0	0.0	0.0
87.5°	34.4	34.4	27.5	13.8	20.6	6.9	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: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9
2.5°	8539.9	8636.2	8471.0	8574.3	8526.1	8546.7	8567.4	8512.3	8526.1	8718.8	8725.7
5°	6840.1	7025.9	6957.1	7053.5	7218.6	7136.0	7211.7	7198.0	7211.7	7239.3	7363.1
7.5°	4878.9	4823.9	4954.6	5209.2	5505.1	5684.1	5594.6	5546.4	5518.9	5450.1	5532.7
10°	3681.6	3654.0	3619.6	3695.3	3888.0	4087.6	4197.7	4011.9	3908.7	3777.9	3729.7
12.5°	3055.4	2883.3	2787.0	2670.0	2725.0	2904.0	2910.8	2731.9	2566.8	2498.0	2573.7
15°	2408.5	2291.5	2119.5	1954.3	1871.7	2009.4	1892.4	1720.4	1507.0	1479.5	1472.6
17.5°	1720.4	1651.5	1527.7	1458.9	1362.5	1328.1	1204.3	942.8	791.4	750.1	763.8
20°	1169.8	1114.8	1107.9	1046.0	1004.7	977.2	777.6	605.6	557.4	564.3	571.2
22.5°	867.1	839.5	805.1	798.2	763.8	729.4	571.2	509.2	474.8	474.8	495.5
25°	708.8	695.0	660.6	646.9	633.1	584.9	481.7	433.5	419.8	406.0	426.6
27.5°	605.6	598.7	578.0	557.4	543.6	495.5	419.8	378.5	364.7	364.7	364.7
30°	543.6	543.6	516.1	474.8	474.8	419.8	357.8	330.3	316.5	316.5	309.7
32.5°	509.2	495.5	461.1	433.5	412.9	357.8	316.5	289.0	268.4	268.4	275.3
35°	412.9	412.9	406.0	385.4	357.8	302.8	268.4	240.9	227.1	220.2	227.1
37.5°	364.7	344.1	316.5	323.4	309.7	261.5	227.1	206.4	185.8	185.8	185.8
40°	330.3	309.7	282.1	261.5	254.6	234.0	199.6	165.2	144.5	137.6	137.6
42.5°	295.9	282.1	240.9	206.4	199.6	199.6	151.4	123.9	103.2	103.2	103.2
45°	275.3	254.6	220.2	178.9	144.5	151.4	123.9	89.5	75.7	68.8	68.8
47.5°	261.5	240.9	192.7	151.4	110.1	110.1	89.5	61.9	48.2	41.3	41.3
50°	240.9	220.2	172.0	123.9	82.6	68.8	55.1	34.4	20.6	13.8	13.8
52.5°	227.1	206.4	151.4	103.2	68.8	48.2	34.4	6.9	0.0	0.0	0.0
55°	206.4	178.9	130.7	82.6	55.1	27.5	6.9	0.0	0.0	0.0	0.0
57.5°	178.9	158.3	103.2	61.9	34.4	6.9	0.0	0.0	0.0	0.0	0.0
60°	151.4	130.7	82.6	48.2	13.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	123.9	110.1	61.9	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	103.2	82.6	48.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	89.5	68.8	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	68.8	48.2	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	48.2	34.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	34.4	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	20.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.9	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: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9
2.5°	8753.2	8959.6	9152.3	9207.4	9358.7	9778.5	9778.5	9978.1	10335.9	10466.7	10494.2
5°	7383.8	7604.0	7645.3	8071.9	8271.5	8698.1	8980.3	9654.6	10060.7	10315.3	10473.5
7.5°	5615.2	5690.9	5849.2	6248.3	6640.6	7156.7	7693.4	8553.6	9269.3	9558.3	10095.1
10°	3860.5	4087.6	4431.6	4789.5	5401.9	5973.1	6668.1	7480.1	8360.9	8718.8	9179.8
12.5°	2601.2	2917.7	3468.2	3977.5	4541.7	5119.8	5780.4	6867.7	7865.5	8360.9	8822.0
15°	1520.8	1906.2	2381.0	3206.7	3956.8	4603.7	5264.3	6365.3	7576.5	8216.4	8780.7
17.5°	770.7	887.7	1279.9	1995.6	2986.5	4046.3	5030.3	6434.1	7796.7	8581.1	9049.1
20°	578.0	612.4	722.6	1059.7	2043.8	3344.4	4810.1	6537.4	8409.1	9365.6	9620.2
22.5°	502.3	529.9	578.0	688.1	1149.2	2559.9	4500.5	6792.0	9241.8	10143.2	10680.0
25°	426.6	454.2	495.5	564.3	736.3	1741.0	4122.0	7060.3	9985.0	11120.4	11622.7
27.5°	371.6	392.2	433.5	488.6	598.7	1107.9	3468.2	7418.2	11120.4	12304.0	12434.7
30°	316.5	337.2	371.6	433.5	509.2	784.5	2546.1	7466.4	11746.6	12820.1	13184.8
32.5°	275.3	282.1	323.4	378.5	426.6	619.3	1789.2	7514.5	12207.7	13487.6	13563.3
35°	227.1	240.9	282.1	316.5	371.6	488.6	1355.6	7273.7	12806.3	14175.7	14155.1
37.5°	185.8	206.4	234.0	261.5	302.8	412.9	1080.4	6826.4	13556.4	15242.4	14595.5
40°	144.5	165.2	192.7	227.1	254.6	371.6	812.0	6152.0	14340.9	15765.4	15077.2
42.5°	103.2	117.0	144.5	178.9	227.1	309.7	584.9	5353.8	14650.6	16377.8	15655.3
45°	75.7	89.5	110.1	151.4	234.0	247.7	406.0	4624.3	14980.9	16646.2	15524.5
47.5°	41.3	55.1	82.6	130.7	206.4	185.8	289.0	3970.6	15359.4	16887.0	15627.7
50°	13.8	20.6	48.2	137.6	165.2	144.5	227.1	3619.6	15731.0	16935.2	15834.2
52.5°	0.0	0.0	27.5	144.5	123.9	110.1	199.6	3482.0	15634.6	17086.6	15703.4
55°	0.0	0.0	6.9	61.9	68.8	82.6	165.2	3475.1	16315.9	17134.8	16419.1
57.5°	0.0	0.0	0.0	20.6	41.3	68.8	144.5	3254.9	16749.4	18332.1	17382.5
60°	0.0	0.0	0.0	6.9	27.5	48.2	110.1	3062.2	17189.8	18868.9	18414.7
62.5°	0.0	0.0	0.0	0.0	6.9	20.6	75.7	2766.3	16302.1	18827.6	19412.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	48.2	2188.3	14664.3	17843.6	18862.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	27.5	1513.9	12840.8	16604.9	17850.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	915.2	10363.4	14561.1	15139.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	392.2	7397.5	11560.8	12421.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.3	4576.2	8450.4	9510.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.9	2965.9	6399.7	7218.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	1582.7	4011.9	4665.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	688.1	2436.0	2807.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.2	1479.5	1686.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227.1	302.8
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: P599308
 CATALOG NUMBER: IFLD-L-SA8A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9	9757.9
2.5°	10507.9	10707.5	10783.2	10666.2	10680.0	10439.1	10404.7	10067.5	9929.9	9957.4
5°	10989.6	11278.7	11436.9	11306.2	11010.3	10549.2	10129.5	9730.3	9482.6	9358.7
7.5°	10879.5	11203.0	11402.5	11526.4	11189.2	10446.0	9806.0	9056.0	8739.4	8746.3
10°	10274.0	10948.4	11354.4	11196.1	11037.8	10294.6	9303.7	8491.7	8209.5	8237.1
12.5°	9785.4	10535.5	10776.3	10900.2	10576.8	9985.0	9317.5	8388.5	8071.9	7879.2
15°	9482.6	10040.0	10053.8	10246.5	10115.7	10115.7	9462.0	8553.6	8278.4	8065.0
17.5°	9482.6	9606.5	9592.7	9661.5	9881.7	10143.2	9826.7	9221.1	8677.5	8643.1
20°	9695.9	9310.6	9221.1	9248.6	9434.4	10212.0	10631.8	9874.9	9530.8	9420.7
22.5°	10191.4	9345.0	8801.4	8705.0	9276.2	10205.2	11147.9	10907.1	10308.4	10218.9
25°	10872.7	9283.1	8691.2	8567.4	9000.9	10452.9	11856.7	11904.9	11361.2	11175.4
27.5°	11519.5	9558.3	8677.5	8650.0	9221.1	10397.8	12345.3	12703.1	12090.7	11939.3
30°	11739.7	9833.6	8932.1	8567.4	9303.7	10597.4	12331.5	13267.4	12868.3	12902.7
32.5°	12001.2	10108.8	8959.6	8815.1	9654.6	10920.8	12723.8	14175.7	13886.7	13480.7
35°	12386.6	10480.4	9221.1	9090.4	9902.4	11209.9	12806.3	14843.2	14795.1	14320.3
37.5°	12716.9	10845.1	9764.8	9785.4	10659.3	11677.8	13171.1	15662.1	15579.6	15256.1
40°	12950.9	11354.4	10611.2	10666.2	11320.0	12200.8	13817.9	16075.0	16687.5	16212.7
42.5°	12985.3	11808.5	11581.4	12021.9	12634.3	13012.8	14079.4	16357.2	17238.0	16928.3
45°	13116.0	12531.1	13164.2	13487.6	13990.0	13728.5	14065.6	16838.9	17279.3	17121.0
47.5°	13625.2	13845.4	14643.7	15627.7	15806.6	14946.5	14396.0	16914.6	17513.2	17492.6
50°	14155.1	15256.1	16377.8	17031.5	17258.6	15786.0	14705.6	16852.6	17822.9	17657.8
52.5°	14746.9	16481.0	18098.2	18903.3	18779.4	16715.0	15056.6	17355.0	18394.1	18339.0
55°	15118.5	17031.5	19206.1	20327.7	20231.4	17754.1	16171.4	18077.5	19144.1	19006.5
57.5°	16102.6	17926.1	20307.1	20830.1	21084.7	19116.6	16949.0	19261.1	19770.4	19921.7
60°	16914.6	18511.1	20596.1	21353.1	21442.5	19928.6	18311.5	20479.1	20568.6	20059.4
62.5°	18105.0	18738.1	19983.7	20664.9	21126.0	20389.7	19536.4	21132.9	20554.8	20520.4
65°	18979.0	17994.9	18841.4	19219.8	19515.7	19687.8	20768.2	21580.2	20300.2	19632.7
67.5°	18490.4	16591.1	16432.9	16453.5	16543.0	17582.1	20355.3	20486.0	18882.6	18332.1
70°	16274.6	13611.5	13398.1	13563.3	13116.0	14368.4	18683.1	18621.2	16659.9	16088.8
72.5°	13164.2	9923.0	9558.3	9785.4	9888.6	11216.7	15717.2	14120.7	12152.6	11705.3
75°	10459.8	7273.7	6138.2	6688.8	7039.7	8168.3	12276.5	9592.7	8484.8	7879.2
77.5°	8216.4	5505.1	4775.7	4555.5	4878.9	5938.7	8932.1	5037.2	4445.4	4163.3
80°	5209.2	4046.3	4390.4	4073.8	4211.4	4239.0	4651.8	2291.5	1823.6	1802.9
82.5°	3137.9	2766.3	3289.3	1809.8	3296.2	2945.3	1933.7	1039.1	922.1	922.1
85°	2222.7	1713.5	1135.4	736.3	1465.7	1617.1	750.1	536.8	467.9	454.2
87.5°	1114.8	529.9	254.6	165.2	185.8	302.8	89.5	41.3	41.3	34.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)