

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: P599137

Luminaire Tested: **IFLD-L-SA8D-722-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599137
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-722-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (128) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

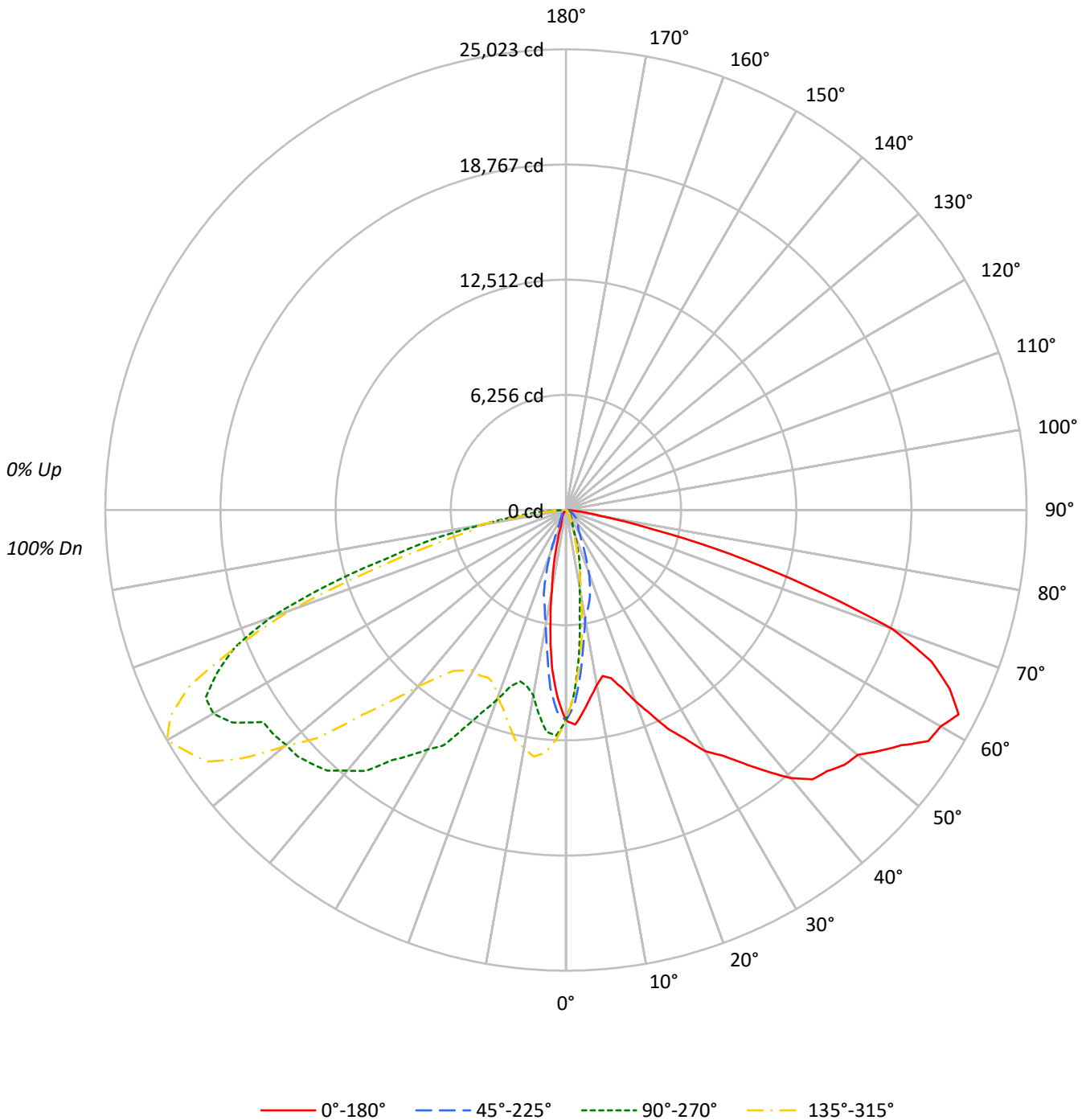
Lumens per Lamp: N/A
 Luminaire Lumens: 29911.4 lumens
 Efficiency: N/A
 Efficacy: 61.3 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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

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Luminous Intensity Polar Plot



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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°	61543	61543	61543	61543
5°	59252	43306	46617	65307
10°	52753	23578	23886	55838
15°	52661	15726	9616	53649
20°	63230	7852	3833	62861
25°	77770	4932	2969	77387
30°	93967	3959	2255	93366
35°	110258	3179	1748	109146
40°	133483	2720	1133	129800
45°	152711	2455	613	148475
50°	173258	2363	135	166168
55°	208996	2270	0	188414
60°	253031	1910	0	238014
65°	292993	1541	0	266292
70°	296686	1268	0	268516
75°	192006	838	0	205924
80°	65483	251	0	145716
85°	32864	0	0	107064

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.2	2.9
10°-20°	1677.3	5.6
20°-30°	2336.1	7.8
30°-40°	3319.3	11.1
40°-50°	4603.0	15.4
50°-60°	6271.8	21.0
60°-70°	6895.3	23.1
70°-80°	3389.0	11.3
80°-90°	553.4	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°	4879.6	16.3
0°-40°	8199.0	27.4
0°-60°	19073.7	63.8
0°-90°	29911.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29911.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11435	11435	11435	11435	11435	
5°	10967	8016	8629	12088	10967	1004
15°	9451	2822	1726	9629	9451	2797
25°	13096	831	500	13032	13096	6089
35°	16782	484	266	16612	16782	10653
45°	20064	323	81	19507	20064	15553
55°	22274	242	0	20080	22274	20036
65°	23007	121	0	20911	23007	22234
75°	9234	40	0	9903	9234	10067
85°	532	0	0	1734	532	736
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1
2.5°	11669.0	11806.1	11677.0	11225.4	11144.8	10927.1	10596.4	10572.2	10225.5	10265.8	10080.3
5°	10967.4	11104.5	10830.3	10233.5	9677.1	9233.6	8967.5	8491.7	8386.8	8153.0	8153.0
7.5°	10249.7	10241.6	9773.9	9273.9	8443.3	7628.8	7257.8	6572.4	6169.2	5951.4	5741.7
10°	9652.9	9523.9	9233.6	8201.3	7298.2	6451.4	5991.7	5540.1	5120.8	4757.9	4395.0
12.5°	9233.6	9314.2	8854.6	7733.6	6564.3	5975.6	5483.7	5007.9	4507.9	4096.6	3693.4
15°	9451.3	9322.3	8782.0	7628.8	6443.3	5636.9	4983.7	4403.1	3846.6	3306.3	2999.9
17.5°	10128.7	9798.1	9161.0	7628.8	6193.3	5120.8	4330.5	3645.0	3048.3	2564.4	2185.4
20°	11040.0	10660.9	9975.5	7911.0	6007.9	4741.8	3661.2	2798.3	2177.3	1725.8	1435.4
22.5°	11975.4	11677.0	10644.8	8023.9	5790.1	4233.7	2887.0	2024.1	1451.6	1161.3	1016.1
25°	13096.3	12677.0	11548.0	8475.5	5467.6	3741.8	2274.1	1411.2	1080.6	927.4	838.7
27.5°	13991.5	13918.9	12394.8	8749.7	5225.6	3338.6	1798.3	1120.9	895.1	782.2	725.8
30°	15120.5	14725.3	13427.0	9298.1	4951.5	2878.9	1500.0	1008.0	822.6	701.6	661.3
32.5°	15797.9	15612.4	13967.3	9604.5	4645.0	2499.9	1290.3	887.1	750.0	661.3	620.9
35°	16781.7	16410.8	14741.5	9798.1	4483.7	2282.2	1161.3	806.4	629.0	540.3	491.9
37.5°	17878.5	17741.4	15668.8	9790.0	4249.9	2153.2	1072.5	750.0	596.8	500.0	443.5
40°	18999.4	18443.0	16233.3	10015.8	4128.9	2056.4	1008.0	717.7	564.5	475.8	403.2
42.5°	19838.1	19201.0	16886.5	9935.2	3983.7	1887.0	983.8	669.3	540.3	435.5	371.0
45°	20063.9	19838.1	17475.2	9911.0	3878.9	1749.9	943.5	661.3	524.2	411.3	346.8
47.5°	20499.3	20346.1	18201.0	9951.3	3798.3	1645.1	846.7	677.4	500.0	387.1	330.6
50°	20692.9	20418.7	18789.7	10048.1	3612.8	1516.1	758.0	709.7	491.9	379.0	314.5
52.5°	21491.2	21249.3	19596.1	10322.2	3459.6	1346.7	669.3	677.4	508.0	354.8	298.4
55°	22273.5	21999.3	20838.0	10951.3	3241.8	1209.6	572.6	596.8	483.9	322.6	266.1
57.5°	23346.0	22894.4	21668.7	11209.3	3048.3	1024.2	508.0	491.9	451.6	290.3	233.9
60°	23507.3	23692.8	21547.7	11048.0	2846.7	903.2	443.5	379.0	483.9	258.1	201.6
62.5°	24047.6	23273.4	20983.2	10677.1	2701.5	830.6	395.1	314.5	419.3	225.8	169.3
65°	23007.3	22434.8	19660.7	9483.6	2516.0	838.7	346.8	258.1	266.1	185.5	137.1
67.5°	21483.2	21031.6	17467.2	8185.2	2330.6	822.6	306.4	225.8	201.6	161.3	121.0
70°	18854.2	17878.5	14838.2	6644.9	2056.4	766.1	258.1	201.6	169.3	129.0	88.7
72.5°	13717.3	13322.1	10644.8	5136.9	1846.7	693.5	241.9	169.3	145.2	96.8	72.6
75°	9233.6	8580.4	6717.5	3370.9	1483.8	604.8	201.6	153.2	112.9	72.6	56.4
77.5°	4878.9	4612.8	3806.3	1604.8	822.6	282.2	112.9	88.7	64.5	56.4	32.3
80°	2112.8	1879.0	1645.1	653.2	290.3	129.0	72.6	48.4	40.3	32.3	16.1
82.5°	1080.6	1032.2	854.8	282.2	169.3	96.8	40.3	32.3	24.2	16.1	8.1
85°	532.2	548.4	451.6	88.7	96.8	56.4	8.1	8.1	0.0	0.0	0.0
87.5°	40.3	40.3	32.3	16.1	24.2	8.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1
2.5°	10007.7	10120.6	9927.1	10048.1	9991.6	10015.8	10040.0	9975.5	9991.6	10217.4	10225.5
5°	8015.9	8233.6	8153.0	8265.9	8459.4	8362.6	8451.3	8435.2	8451.3	8483.6	8628.8
7.5°	5717.6	5653.0	5806.3	6104.6	6451.4	6661.1	6556.2	6499.8	6467.5	6386.9	6483.7
10°	4314.4	4282.1	4241.8	4330.5	4556.3	4790.2	4919.2	4701.5	4580.5	4427.3	4370.8
12.5°	3580.5	3378.9	3266.0	3128.9	3193.4	3403.1	3411.2	3201.5	3008.0	2927.3	3016.0
15°	2822.5	2685.4	2483.8	2290.2	2193.5	2354.8	2217.7	2016.1	1766.1	1733.8	1725.8
17.5°	2016.1	1935.4	1790.3	1709.6	1596.7	1556.4	1411.2	1104.8	927.4	879.0	895.1
20°	1370.9	1306.4	1298.3	1225.8	1177.4	1145.1	911.3	709.7	653.2	661.3	669.3
22.5°	1016.1	983.8	943.5	935.5	895.1	854.8	669.3	596.8	556.4	556.4	580.6
25°	830.6	814.5	774.2	758.0	741.9	685.5	564.5	508.0	491.9	475.8	500.0
27.5°	709.7	701.6	677.4	653.2	637.1	580.6	491.9	443.5	427.4	427.4	427.4
30°	637.1	637.1	604.8	556.4	556.4	491.9	419.3	387.1	371.0	371.0	362.9
32.5°	596.8	580.6	540.3	508.0	483.9	419.3	371.0	338.7	314.5	314.5	322.6
35°	483.9	483.9	475.8	451.6	419.3	354.8	314.5	282.2	266.1	258.1	266.1
37.5°	427.4	403.2	371.0	379.0	362.9	306.4	266.1	241.9	217.7	217.7	217.7
40°	387.1	362.9	330.6	306.4	298.4	274.2	233.9	193.5	169.3	161.3	161.3
42.5°	346.8	330.6	282.2	241.9	233.9	233.9	177.4	145.2	121.0	121.0	121.0
45°	322.6	298.4	258.1	209.7	169.3	177.4	145.2	104.8	88.7	80.6	80.6
47.5°	306.4	282.2	225.8	177.4	129.0	129.0	104.8	72.6	56.4	48.4	48.4
50°	282.2	258.1	201.6	145.2	96.8	80.6	64.5	40.3	24.2	16.1	16.1
52.5°	266.1	241.9	177.4	121.0	80.6	56.4	40.3	8.1	0.0	0.0	0.0
55°	241.9	209.7	153.2	96.8	64.5	32.3	8.1	0.0	0.0	0.0	0.0
57.5°	209.7	185.5	121.0	72.6	40.3	8.1	0.0	0.0	0.0	0.0	0.0
60°	177.4	153.2	96.8	56.4	16.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	145.2	129.0	72.6	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	121.0	96.8	56.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	104.8	80.6	40.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	80.6	56.4	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	56.4	40.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	40.3	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	24.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.1	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1
2.5°	10257.7	10499.7	10725.5	10790.0	10967.4	11459.3	11459.3	11693.2	12112.5	12265.7	12298.0
5°	8652.9	8911.0	8959.4	9459.4	9693.2	10193.2	10523.9	11314.1	11789.9	12088.3	12273.8
7.5°	6580.4	6669.1	6854.6	7322.3	7782.0	8386.8	9015.8	10023.9	10862.6	11201.3	11830.3
10°	4524.0	4790.2	5193.4	5612.7	6330.4	6999.8	7814.3	8765.8	9798.1	10217.4	10757.7
12.5°	3048.3	3419.2	4064.4	4661.1	5322.4	5999.8	6774.0	8048.1	9217.4	9798.1	10338.4
15°	1782.2	2233.8	2790.2	3757.9	4636.9	5395.0	6169.2	7459.4	8878.7	9628.7	10290.0
17.5°	903.2	1040.3	1500.0	2338.6	3499.9	4741.8	5895.0	7540.1	9136.8	10056.1	10604.5
20°	677.4	717.7	846.7	1241.9	2395.1	3919.2	5636.9	7661.0	9854.5	10975.5	11273.8
22.5°	588.7	620.9	677.4	806.4	1346.7	2999.9	5274.0	7959.4	10830.3	11886.7	12515.7
25°	500.0	532.2	580.6	661.3	862.9	2040.3	4830.5	8273.9	11701.2	13031.8	13620.5
27.5°	435.5	459.7	508.0	572.6	701.6	1298.3	4064.4	8693.3	13031.8	14418.9	14572.1
30°	371.0	395.1	435.5	508.0	596.8	919.3	2983.8	8749.7	13765.7	15023.7	15451.1
32.5°	322.6	330.6	379.0	443.5	500.0	725.8	2096.7	8806.2	14306.0	15805.9	15894.6
35°	266.1	282.2	330.6	371.0	435.5	572.6	1588.7	8523.9	15007.6	16612.4	16588.2
37.5°	217.7	241.9	274.2	306.4	354.8	483.9	1266.1	7999.7	15886.6	17862.3	17104.3
40°	169.3	193.5	225.8	266.1	298.4	435.5	951.6	7209.4	16805.9	18475.2	17668.8
42.5°	121.0	137.1	169.3	209.7	266.1	362.9	685.5	6274.0	17168.8	19192.9	18346.2
45°	88.7	104.8	129.0	177.4	274.2	290.3	475.8	5419.2	17555.9	19507.4	18193.0
47.5°	48.4	64.5	96.8	153.2	241.9	217.7	338.7	4653.1	17999.4	19789.7	18313.9
50°	16.1	24.2	56.4	161.3	193.5	169.3	266.1	4241.8	18434.9	19846.1	18555.9
52.5°	0.0	0.0	32.3	169.3	145.2	129.0	233.9	4080.5	18322.0	20023.5	18402.6
55°	0.0	0.0	8.1	72.6	80.6	96.8	193.5	4072.4	19120.3	20080.0	19241.3
57.5°	0.0	0.0	0.0	24.2	48.4	80.6	169.3	3814.4	19628.4	21483.2	20370.3
60°	0.0	0.0	0.0	8.1	32.3	56.4	129.0	3588.6	20144.5	22112.2	21579.9
62.5°	0.0	0.0	0.0	0.0	8.1	24.2	88.7	3241.8	19104.2	22063.8	22749.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	56.4	2564.4	17184.9	20910.6	22104.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	32.3	1774.1	15047.9	19459.0	20918.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1072.5	12144.8	17064.0	17741.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	459.7	8669.1	13547.9	14556.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185.5	5362.7	9902.9	11144.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.6	3475.7	7499.8	8459.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	1854.8	4701.5	5467.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	806.4	2854.7	3290.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	258.1	1733.8	1975.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	266.1	354.8
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: P599137
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1	11435.1
2.5°	12314.1	12548.0	12636.7	12499.6	12515.7	12233.5	12193.2	11798.0	11636.7	11669.0
5°	12878.6	13217.3	13402.8	13249.6	12902.8	12362.5	11870.6	11402.9	11112.5	10967.4
7.5°	12749.6	13128.6	13362.5	13507.6	13112.5	12241.5	11491.6	10612.6	10241.6	10249.7
10°	12039.9	12830.2	13306.0	13120.5	12935.1	12064.1	10902.9	9951.3	9620.7	9652.9
12.5°	11467.4	12346.4	12628.6	12773.8	12394.8	11701.2	10919.0	9830.3	9459.4	9233.6
15°	11112.5	11765.7	11781.9	12007.7	11854.5	11854.5	11088.4	10023.9	9701.3	9451.3
17.5°	11112.5	11257.7	11241.6	11322.2	11580.3	11886.7	11515.8	10806.1	10169.0	10128.7
20°	11362.5	10910.9	10806.1	10838.4	11056.1	11967.4	12459.3	11572.2	11169.0	11040.0
22.5°	11943.2	10951.3	10314.2	10201.3	10870.6	11959.3	13064.1	12781.8	12080.3	11975.4
25°	12741.5	10878.7	10185.2	10040.0	10548.0	12249.6	13894.7	13951.2	13314.1	13096.3
27.5°	13499.6	11201.3	10169.0	10136.8	10806.1	12185.1	14467.3	14886.6	14168.9	13991.5
30°	13757.6	11523.8	10467.4	10040.0	10902.9	12419.0	14451.1	15547.9	15080.2	15120.5
32.5°	14064.1	11846.4	10499.7	10330.3	11314.1	12798.0	14910.8	16612.4	16273.7	15797.9
35°	14515.7	12281.9	10806.1	10652.9	11604.5	13136.7	15007.6	17394.6	17338.1	16781.7
37.5°	14902.7	12709.3	11443.2	11467.4	12491.5	13685.0	15435.0	18354.2	18257.5	17878.5
40°	15176.9	13306.0	12435.1	12499.6	13265.7	14297.9	16193.0	18838.1	19555.8	18999.4
42.5°	15217.2	13838.3	13572.1	14088.3	14806.0	15249.5	16499.5	19168.7	20201.0	19838.1
45°	15370.5	14685.0	15426.9	15805.9	16394.6	16088.2	16483.3	19733.2	20249.3	20063.9
47.5°	15967.2	16225.3	17160.7	18313.9	18523.6	17515.6	16870.4	19821.9	20523.5	20499.3
50°	16588.2	17878.5	19192.9	19959.0	20225.2	18499.4	17233.3	19749.4	20886.4	20692.9
52.5°	17281.7	19313.9	21209.0	22152.5	22007.4	19588.1	17644.6	20338.1	21555.8	21491.2
55°	17717.2	19959.0	22507.3	23821.8	23708.9	20805.8	18951.0	21184.8	22434.8	22273.5
57.5°	18870.4	21007.4	23797.6	24410.5	24708.9	22402.5	19862.3	22571.8	23168.6	23346.0
60°	19821.9	21692.8	24136.3	25023.4	25128.2	23354.1	21459.0	23999.2	24104.1	23507.3
62.5°	21217.1	21959.0	23418.6	24217.0	24757.3	23894.4	22894.4	24765.3	24087.9	24047.6
65°	22241.2	21088.0	22079.9	22523.5	22870.2	23071.8	24337.9	25289.5	23789.6	23007.3
67.5°	21668.7	19442.9	19257.4	19281.6	19386.5	20604.2	23854.1	24007.3	22128.3	21483.2
70°	19072.0	15951.1	15701.1	15894.6	15370.5	16838.2	21894.5	21821.9	19523.6	18854.2
72.5°	15426.9	11628.7	11201.3	11467.4	11588.3	13144.7	18418.8	16547.9	14241.5	13717.3
75°	12257.7	8523.9	7193.3	7838.5	8249.7	9572.3	14386.6	11241.6	9943.2	9233.6
77.5°	9628.7	6451.4	5596.6	5338.5	5717.6	6959.5	10467.4	5903.0	5209.5	4878.9
80°	6104.6	4741.8	5145.0	4774.0	4935.3	4967.6	5451.4	2685.4	2137.0	2112.8
82.5°	3677.3	3241.8	3854.7	2120.9	3862.8	3451.5	2266.1	1217.7	1080.6	1080.6
85°	2604.8	2008.0	1330.6	862.9	1717.7	1895.1	879.0	629.0	548.4	532.2
87.5°	1306.4	620.9	298.4	193.5	217.7	354.8	104.8	48.4	48.4	40.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)