

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: P599549

Luminaire Tested: **IFLD-S-SA3A-760-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599549
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-760-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

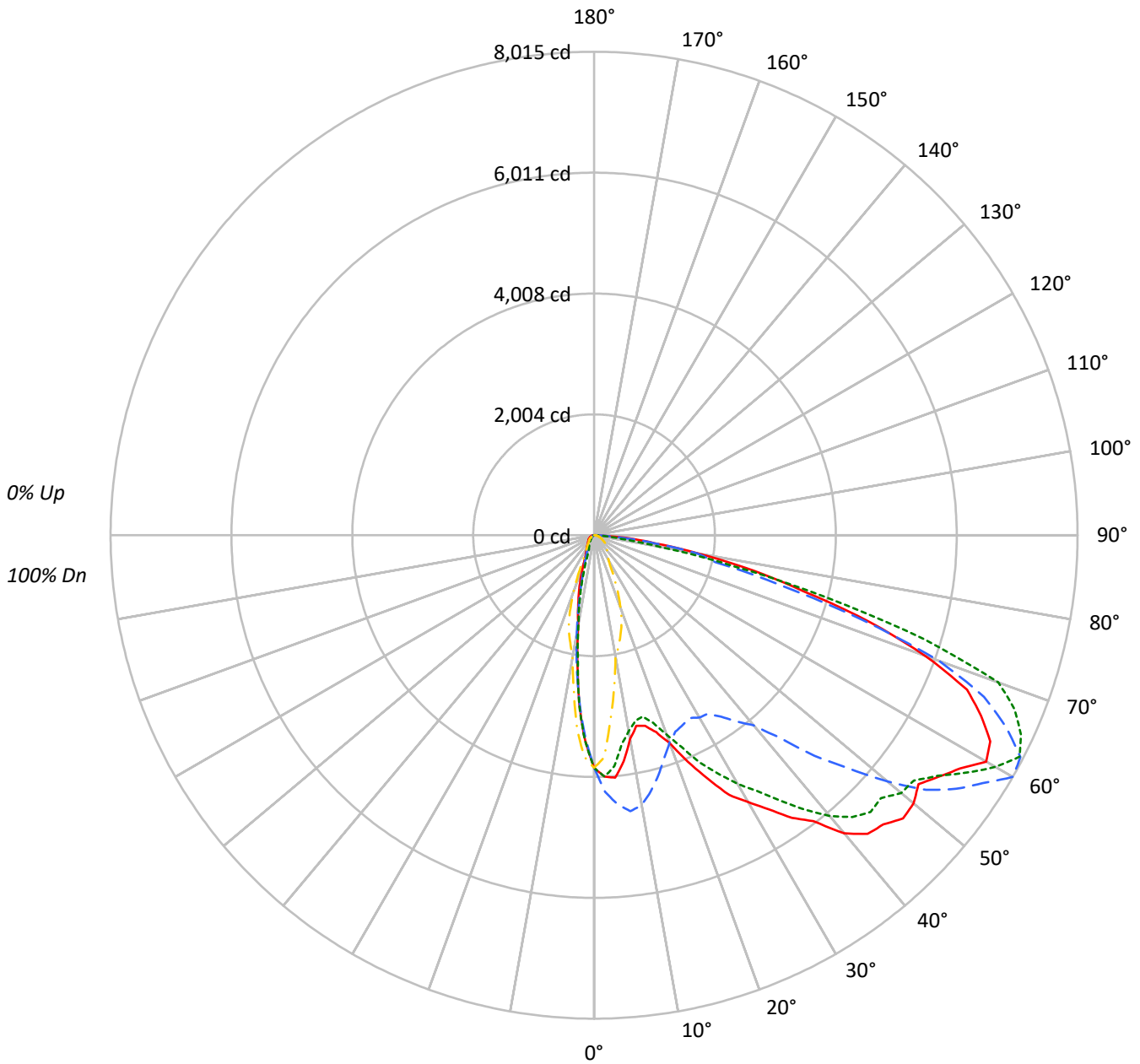
Lumens per Lamp: N/A
 Luminaire Lumens: 10250.3 lumens
 Efficiency: N/A
 Efficacy: 108.1 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 94.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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



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

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	55314	55314	55314	55314
5°	58127	55328	40421	40657
10°	49983	48069	22099	21582
15°	48601	46201	14357	10818
20°	56020	53678	7693	3846
25°	70437	65885	4985	2991
30°	84601	78840	4037	2449
35°	100184	93997	3310	1966
40°	120873	113797	2923	1488
45°	137615	131616	2722	1001
50°	154380	148391	2688	612
55°	174584	173966	2672	273
60°	215439	220545	2437	78
65°	240385	265111	2231	0
70°	245113	299215	2069	0
75°	199448	220697	1974	0
80°	145016	92303	2033	0
85°	93763	38763	2701	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.8	2.9
10°-20°	574.2	5.6
20°-30°	794.5	7.8
30°-40°	1122.9	11.0
40°-50°	1528.8	14.9
50°-60°	2024.8	19.8
60°-70°	2351.0	22.9
70°-80°	1331.4	13.0
80°-90°	230.0	2.2
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°	1661.5	16.2
0°-40°	2784.3	27.2
0°-60°	6338.0	61.8
0°-90°	10250.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10250.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3854	3854	3854	3854	3854	
5°	4035	3840	2806	2822	4035	362
15°	3271	3110	966	728	3271	959
25°	4448	4161	315	189	4448	2075
35°	5718	5365	189	112	5718	3605
45°	6780	6485	134	49	6780	5257
55°	6977	6953	107	11	6977	6321
65°	7079	7807	66	0	7079	6900
75°	3597	3980	36	0	3597	3926
85°	569	235	16	0	569	684
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1
2.5°	4004.6	4089.5	4092.2	4130.5	4168.8	4168.8	4259.2	4237.3	4157.9	4144.2	4086.7
5°	4034.7	4064.8	4086.7	4281.1	4445.3	4428.9	4478.2	4445.3	4292.0	4094.9	3960.8
7.5°	3774.7	3807.5	3895.1	4226.3	4448.0	4522.0	4615.0	4409.7	4248.2	3892.4	3635.1
10°	3429.8	3492.7	3654.2	4032.0	4305.7	4541.1	4541.1	4376.9	4064.8	3717.2	3402.4
12.5°	3238.2	3364.1	3451.7	3834.9	4190.7	4352.2	4346.8	4259.2	4056.6	3618.7	3262.8
15°	3271.0	3306.6	3492.7	3791.1	4026.5	4018.3	4116.8	4089.5	3947.1	3706.2	3314.8
17.5°	3421.6	3476.3	3637.8	3791.1	3903.3	3870.5	3867.7	3999.1	4007.3	3854.1	3509.2
20°	3667.9	3829.4	3906.1	3952.6	3815.7	3676.1	3659.7	3843.1	3985.5	4042.9	3741.8
22.5°	4062.1	4168.8	4324.9	4086.7	3730.9	3555.7	3522.9	3725.4	4012.8	4267.4	4042.9
25°	4448.0	4530.2	4680.7	4374.1	3826.7	3531.1	3473.6	3648.8	4116.8	4579.4	4407.0
27.5°	4855.9	4927.1	4943.5	4584.9	3878.7	3481.8	3413.4	3648.8	4204.4	4743.7	4842.2
30°	5105.0	5189.8	5206.3	4771.0	3963.6	3522.9	3490.0	3665.2	4264.7	4883.3	5154.3
32.5°	5384.2	5406.1	5392.4	4803.9	4056.6	3643.3	3506.4	3774.7	4333.1	5050.2	5438.9
35°	5718.1	5756.5	5616.9	4954.4	4264.7	3719.9	3670.7	3908.8	4450.8	5126.9	5783.8
37.5°	5972.7	6093.1	5778.4	5011.9	4305.7	3881.4	3889.6	4188.0	4532.9	5220.0	6164.3
40°	6451.7	6249.2	6052.1	5209.0	4461.7	4155.2	4111.4	4475.4	4809.4	5280.2	6413.4
42.5°	6714.5	6607.7	6158.8	5228.2	4702.6	4532.9	4543.9	4801.2	4954.4	5449.9	6481.8
45°	6780.2	6668.0	6303.9	5241.9	4940.8	4979.1	5167.9	5217.2	5167.9	5562.1	6610.5
47.5°	6947.2	6703.5	6287.5	5425.2	5326.7	5474.5	5715.4	5822.2	5458.1	5521.1	6670.7
50°	6914.3	6774.7	6251.9	5501.9	5797.5	6188.9	6350.4	6306.6	5781.1	5436.2	6605.0
52.5°	6777.5	6626.9	6361.4	5709.9	6238.2	6711.8	6936.2	6826.7	6068.5	5627.8	6561.2
55°	6977.3	6862.3	6503.7	5991.9	6569.4	7171.6	7330.4	7248.3	6421.6	5805.7	6810.3
57.5°	7193.5	7168.9	6889.7	6323.1	6960.9	7645.2	7645.2	7543.9	6728.2	6063.0	7179.8
60°	7505.6	7560.3	7174.4	6542.1	7095.0	7617.8	8014.7	7897.0	7037.5	6514.7	7598.6
62.5°	7404.3	7579.5	7541.2	7012.9	7248.3	7751.9	7968.2	8055.8	7420.7	7064.9	8157.0
65°	7078.6	7264.7	7538.4	7322.2	7133.3	7426.2	7535.7	7801.2	7612.3	7582.2	8387.0
67.5°	6689.9	6892.4	7062.1	7530.2	6900.6	7095.0	6999.2	7084.0	7404.3	8148.8	8518.4
70°	5841.3	6035.7	6303.9	7067.6	6284.7	6109.6	6084.9	6043.9	6542.1	7946.3	7921.6
72.5°	4803.9	4894.2	5337.7	5745.5	4650.6	4617.8	4656.1	4609.5	5187.1	7193.5	6785.7
75°	3596.8	3687.1	3938.9	4412.5	3167.0	2978.1	3197.1	3413.4	3960.8	5584.0	4875.1
77.5°	2704.4	2819.4	2978.1	3301.1	2323.9	2028.3	2058.4	2263.7	2863.2	4472.7	2731.8
80°	1754.6	1740.9	2047.5	2271.9	1749.1	1803.9	1727.2	1877.8	2074.8	2392.4	1396.0
82.5°	1012.8	1026.5	1155.1	1302.9	1218.1	1393.3	1004.6	1677.9	1480.9	974.5	520.1
85°	569.4	594.0	711.7	903.3	763.7	511.9	418.8	832.1	930.7	399.6	251.8
87.5°	57.5	49.3	95.8	342.2	208.0	84.9	125.9	199.8	224.5	150.5	73.9
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°	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1
2.5°	4004.6	4004.6	3936.2	3821.2	3774.7	3692.6	3580.3	3615.9	3577.6	3438.0	3402.4
5°	3840.4	3709.0	3566.6	3391.5	3290.2	3082.2	3016.5	2898.8	2917.9	2800.2	2805.7
7.5°	3498.2	3394.2	3153.3	2923.4	2723.6	2542.9	2288.3	2192.5	2099.5	2052.9	2107.7
10°	3298.4	3104.1	2775.6	2474.5	2209.0	2047.5	1877.8	1746.4	1625.9	1535.6	1516.4
12.5°	3153.3	2980.9	2584.0	2217.2	2009.1	1877.8	1721.7	1541.1	1423.4	1267.4	1220.8
15°	3109.5	2898.8	2480.0	2115.9	1913.3	1697.1	1519.2	1341.3	1188.0	1023.7	966.3
17.5°	3260.1	3016.5	2477.2	2033.8	1749.1	1516.4	1270.1	1070.3	914.2	763.7	728.1
20°	3514.6	3142.4	2556.6	1984.5	1593.1	1281.0	1001.8	802.0	626.8	528.3	503.7
22.5°	3804.8	3355.9	2564.8	1853.1	1437.1	1045.6	730.8	528.3	429.7	383.2	369.5
25°	4160.6	3698.0	2663.4	1746.4	1253.7	793.8	520.1	405.1	347.6	320.3	314.8
27.5°	4453.5	3936.2	2770.1	1634.1	1073.0	588.5	407.9	331.2	301.1	273.7	271.0
30°	4757.4	4209.9	2800.2	1565.7	917.0	484.5	350.4	292.9	260.0	246.4	243.6
32.5°	5022.9	4508.3	2896.0	1453.5	769.2	427.0	317.5	262.8	240.9	219.0	216.2
35°	5365.0	4680.7	2942.6	1393.3	714.4	386.0	290.1	240.9	208.0	194.3	188.9
37.5°	5731.8	4847.7	2972.7	1346.7	667.9	361.3	273.7	227.2	197.1	177.9	172.4
40°	6074.0	5083.1	2928.9	1289.2	632.3	331.2	262.8	210.8	183.4	164.2	156.0
42.5°	6336.8	5313.0	2915.2	1234.5	594.0	320.3	249.1	202.6	172.4	150.5	147.8
45°	6484.6	5469.0	2819.4	1190.7	563.9	325.7	243.6	191.6	164.2	145.1	134.1
47.5°	6449.0	5589.5	2844.0	1177.0	522.8	303.8	240.9	183.4	150.5	134.1	125.9
50°	6646.1	5833.1	2803.0	1133.2	492.7	273.7	262.8	183.4	147.8	128.7	120.4
52.5°	6678.9	6054.8	2890.5	1053.8	446.2	251.8	260.0	180.7	142.3	123.2	112.2
55°	6952.6	6312.1	3060.3	1010.0	407.9	219.0	238.1	175.2	128.7	112.2	106.8
57.5°	7324.9	6845.9	3169.7	969.0	355.8	191.6	199.8	172.4	117.7	104.0	95.8
60°	7683.5	7059.4	3178.0	895.1	306.6	172.4	156.0	172.4	109.5	93.1	84.9
62.5°	7951.7	7059.4	3123.2	832.1	268.3	153.3	136.9	164.2	98.5	82.1	76.6
65°	7806.7	6870.5	2980.9	780.1	243.6	134.1	117.7	125.9	87.6	71.2	65.7
67.5°	7546.6	6282.0	2666.1	717.2	240.9	117.7	101.3	93.1	76.6	63.0	57.5
70°	7130.6	5488.2	2219.9	646.0	235.4	106.8	90.3	79.4	68.4	54.7	49.3
72.5°	5745.5	4532.9	1823.0	604.9	229.9	93.1	76.6	68.4	57.5	46.5	41.1
75°	3980.0	2896.0	1404.2	517.3	224.5	84.9	71.2	60.2	49.3	38.3	35.6
77.5°	2386.9	1935.2	906.0	388.7	147.8	68.4	60.2	46.5	41.1	32.8	30.1
80°	1116.8	914.2	366.8	150.5	71.2	49.3	41.1	35.6	32.8	27.4	24.6
82.5°	438.0	386.0	177.9	87.6	57.5	38.3	32.8	30.1	27.4	21.9	19.2
85°	235.4	208.0	84.9	60.2	41.1	27.4	27.4	24.6	21.9	19.2	16.4
87.5°	52.0	38.3	35.6	35.6	30.1	21.9	21.9	19.2	16.4	13.7	10.9
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°	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1
2.5°	3383.3	3424.3	3358.6	3399.7	3342.2	3386.0	3391.5	3350.4	3361.4	3416.1	3440.7
5°	2882.3	2855.0	2794.7	2775.6	2778.3	2742.7	2756.4	2775.6	2805.7	2822.1	2871.4
7.5°	2077.6	2140.5	2137.8	2184.3	2187.1	2181.6	2143.3	2061.2	2088.5	2066.6	2094.0
10°	1486.3	1513.7	1565.7	1595.8	1650.6	1620.5	1532.9	1500.0	1483.6	1480.9	1508.2
12.5°	1188.0	1122.3	1116.8	1127.8	1155.1	1119.5	1075.7	1037.4	1056.6	1094.9	1125.0
15°	919.7	865.0	793.8	782.9	788.3	771.9	725.4	676.1	689.8	728.1	750.0
17.5°	706.2	643.3	594.0	561.1	550.2	492.7	424.3	383.2	372.3	369.5	388.7
20°	476.3	465.3	457.1	416.1	416.1	333.9	276.5	246.4	246.4	251.8	254.6
22.5°	355.8	342.2	344.9	336.7	314.8	249.1	219.0	210.8	210.8	216.2	216.2
25°	309.3	290.1	284.7	281.9	260.0	213.5	191.6	183.4	183.4	188.9	188.9
27.5°	262.8	257.3	249.1	238.1	219.0	183.4	169.7	161.5	164.2	167.0	164.2
30°	240.9	227.2	216.2	216.2	194.3	164.2	153.3	147.8	142.3	147.8	150.5
32.5°	213.5	205.3	199.8	191.6	167.0	145.1	134.1	128.7	125.9	125.9	128.7
35°	183.4	183.4	177.9	167.0	145.1	131.4	117.7	112.2	109.5	112.2	112.2
37.5°	164.2	156.0	158.8	147.8	128.7	115.0	101.3	95.8	95.8	93.1	95.8
40°	153.3	139.6	131.4	125.9	115.0	98.5	87.6	82.1	79.4	79.4	79.4
42.5°	136.9	125.9	109.5	106.8	104.0	84.9	71.2	68.4	65.7	63.0	63.0
45°	128.7	112.2	98.5	84.9	84.9	71.2	60.2	54.7	52.0	49.3	52.0
47.5°	117.7	101.3	84.9	71.2	68.4	57.5	46.5	41.1	38.3	38.3	38.3
50°	112.2	90.3	73.9	60.2	52.0	46.5	35.6	30.1	27.4	27.4	27.4
52.5°	104.0	84.9	65.7	52.0	41.1	35.6	27.4	21.9	19.2	19.2	19.2
55°	93.1	76.6	57.5	43.8	35.6	27.4	19.2	13.7	10.9	10.9	10.9
57.5°	87.6	68.4	49.3	38.3	27.4	19.2	10.9	8.2	8.2	5.5	8.2
60°	79.4	60.2	41.1	30.1	21.9	13.7	8.2	2.7	2.7	2.7	2.7
62.5°	68.4	52.0	35.6	24.6	16.4	8.2	2.7	0.0	0.0	0.0	0.0
65°	57.5	41.1	27.4	19.2	10.9	2.7	0.0	0.0	0.0	0.0	0.0
67.5°	49.3	35.6	21.9	13.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	43.8	30.1	16.4	10.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	35.6	24.6	13.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	30.1	19.2	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	24.6	13.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	19.2	10.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	2.7	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: P599549
 CATALOG NUMBER: IFLD-S-SA3A-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1	3854.1
2.5°	3476.3	3459.9	3542.0	3676.1	3744.6	3878.7	3911.5	3996.4	3974.5	4004.6
5°	2876.9	2909.7	3030.1	3227.2	3298.4	3492.7	3676.1	3859.5	3977.2	4034.7
7.5°	2135.1	2244.6	2392.4	2573.0	2756.4	3011.0	3323.0	3536.5	3651.5	3774.7
10°	1590.3	1708.1	1877.8	2055.7	2354.0	2638.7	2950.8	3216.3	3314.8	3429.8
12.5°	1250.9	1434.3	1631.4	1823.0	2000.9	2271.9	2657.9	3043.8	3150.6	3238.2
15°	870.4	1094.9	1376.8	1625.9	1875.0	2110.4	2510.1	2978.1	3123.2	3271.0
17.5°	481.8	659.7	982.7	1333.0	1699.8	2061.2	2559.3	3098.6	3317.6	3421.6
20°	279.2	350.4	580.3	996.4	1480.9	1954.4	2584.0	3325.8	3615.9	3667.9
22.5°	229.9	254.6	328.5	624.1	1212.6	1886.0	2709.9	3643.3	3938.9	4062.1
25°	197.1	216.2	254.6	375.0	917.0	1740.9	2789.3	4040.2	4313.9	4448.0
27.5°	175.2	194.3	224.5	276.5	624.1	1541.1	2920.7	4398.8	4672.5	4855.9
30°	153.3	169.7	199.8	235.4	432.5	1316.6	3032.9	4661.6	5047.5	5105.0
32.5°	136.9	150.5	172.4	202.6	320.3	999.1	3123.2	4932.5	5258.3	5384.2
35°	117.7	134.1	147.8	172.4	243.6	752.7	3068.5	5143.3	5567.6	5718.1
37.5°	104.0	115.0	128.7	145.1	205.3	588.5	2956.2	5395.1	5833.1	5972.7
40°	87.6	95.8	112.2	128.7	186.1	454.4	2827.6	5699.0	6205.4	6451.7
42.5°	73.9	82.1	93.1	120.4	153.3	336.7	2567.5	5934.4	6506.5	6714.5
45°	57.5	68.4	84.9	120.4	123.2	249.1	2299.3	6109.6	6676.2	6780.2
47.5°	43.8	54.7	82.1	104.0	98.5	172.4	1981.8	6309.4	6851.4	6947.2
50°	32.8	43.8	93.1	90.3	82.1	131.4	1782.0	6449.0	6862.3	6914.3
52.5°	21.9	32.8	76.6	68.4	68.4	115.0	1727.2	6443.5	6889.7	6777.5
55°	16.4	24.6	43.8	49.3	60.2	101.3	1677.9	6648.8	6897.9	6977.3
57.5°	10.9	19.2	30.1	38.3	52.0	87.6	1576.7	6895.2	7152.5	7193.5
60°	5.5	13.7	21.9	30.1	43.8	76.6	1434.3	7075.8	7461.8	7505.6
62.5°	2.7	8.2	16.4	24.6	35.6	60.2	1286.5	6788.4	7327.6	7404.3
65°	0.0	5.5	10.9	16.4	21.9	43.8	1045.6	6128.7	6796.6	7078.6
67.5°	0.0	0.0	5.5	10.9	13.7	32.8	788.3	5575.8	6306.6	6689.9
70°	0.0	0.0	2.7	2.7	8.2	24.6	503.7	4617.8	5630.5	5841.3
72.5°	0.0	0.0	0.0	0.0	2.7	16.4	292.9	3429.8	4412.5	4803.9
75°	0.0	0.0	0.0	0.0	0.0	13.7	147.8	2206.2	3071.2	3596.8
77.5°	0.0	0.0	0.0	0.0	0.0	10.9	79.4	1423.4	2263.7	2704.4
80°	0.0	0.0	0.0	0.0	0.0	2.7	46.5	826.7	1448.0	1754.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	19.2	405.1	865.0	1012.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	216.2	432.5	569.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	30.1	57.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)