

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: P599425

Luminaire Tested: **IFLD-L-SA8B-727-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: P599425
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

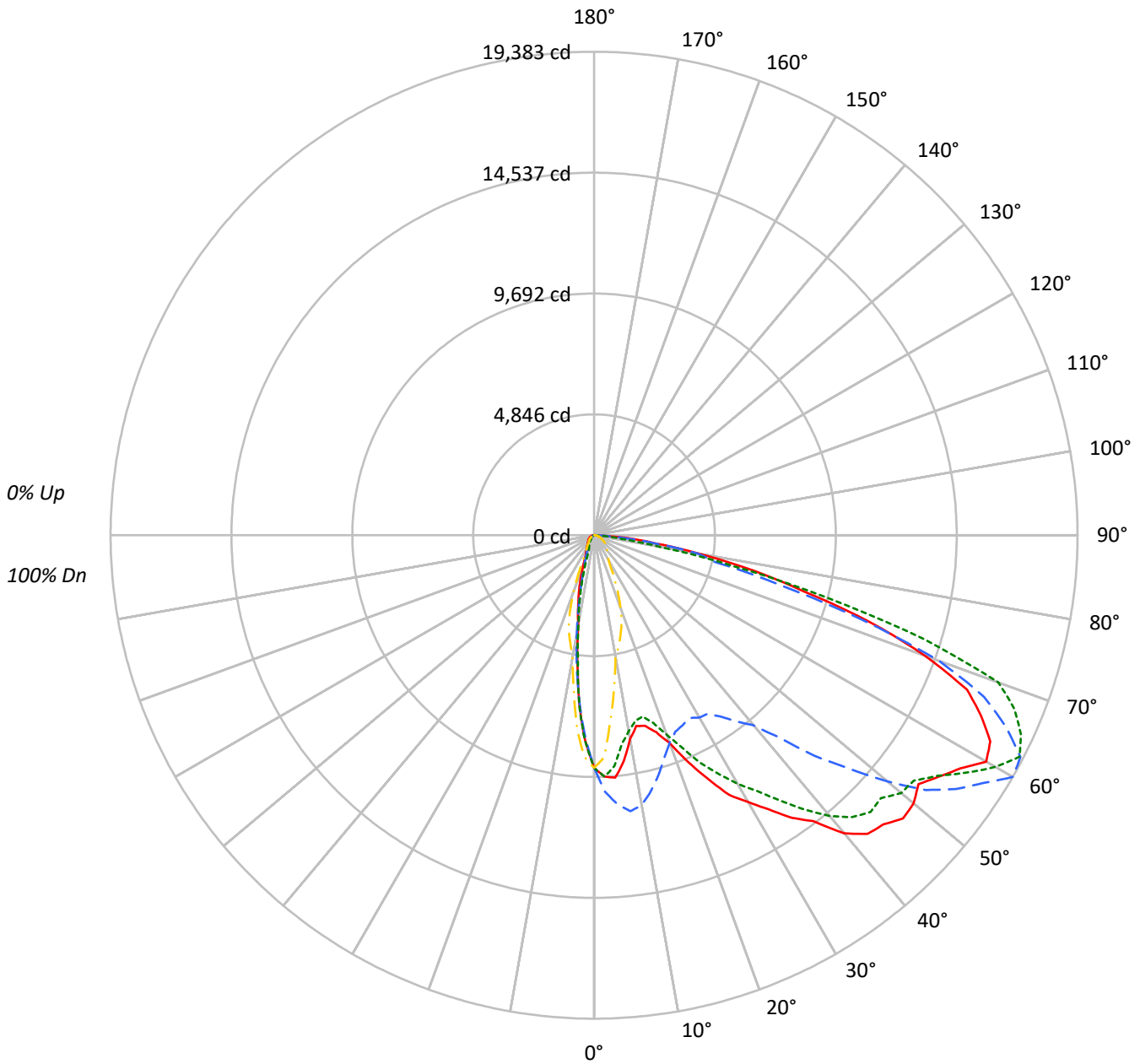
Lumens per Lamp: N/A
 Luminaire Lumens: 24790.0 lumens
 Efficiency: N/A
 Efficacy: 77.5 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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

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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				
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°	50165	50165	50165	50165
5°	52717	50177	36658	36873
10°	45331	43594	20042	19572
15°	44077	41901	13020	9811
20°	50806	48683	6976	3488
25°	63881	59753	4521	2713
30°	76726	71501	3662	2222
35°	90859	85248	3001	1783
40°	109623	103204	2651	1349
45°	124806	119364	2469	907
50°	140010	134578	2439	554
55°	158333	157774	2423	249
60°	195384	200016	2209	71
65°	218008	240433	2024	0
70°	222298	271362	1876	0
75°	180881	200153	1790	0
80°	131518	83710	1847	0
85°	85025	35155	2452	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.1	2.9
10°-20°	1388.6	5.6
20°-30°	1921.5	7.8
30°-40°	2715.6	11.0
40°-50°	3697.4	14.9
50°-60°	4896.9	19.8
60°-70°	5685.7	22.9
70°-80°	3219.8	13.0
80°-90°	556.3	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°	4018.2	16.2
0°-40°	6733.8	27.2
0°-60°	15328.1	61.8
0°-90°	24790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24790.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9321	9321	9321	9321	9321	
5°	9758	9288	6785	6825	9758	876
15°	7911	7520	2337	1761	7911	2320
25°	10757	10062	761	457	10757	5017
35°	13829	12975	457	271	13829	8718
45°	16398	15683	324	119	16398	12713
55°	16874	16815	258	26	16874	15288
65°	17119	18880	159	0	17119	16688
75°	8699	9625	86	0	8699	9494
85°	1377	569	40	0	1377	1654
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°	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9
2.5°	9685.0	9890.2	9896.8	9989.5	10082.2	10082.2	10300.6	10247.7	10055.7	10022.6	9883.6
5°	9757.8	9830.6	9883.6	10353.6	10750.8	10711.0	10830.2	10750.8	10380.1	9903.4	9579.0
7.5°	9128.9	9208.3	9420.2	10221.2	10757.4	10936.1	11161.2	10664.7	10274.1	9413.5	8791.3
10°	8294.8	8447.0	8837.6	9751.2	10413.2	10982.5	10982.5	10585.3	9830.6	8989.9	8228.6
12.5°	7831.4	8135.9	8347.7	9274.5	10135.1	10525.7	10512.4	10300.6	9810.7	8751.5	7891.0
15°	7910.8	7996.9	8447.0	9168.6	9737.9	9718.1	9956.4	9890.2	9545.9	8963.4	8016.7
17.5°	8274.9	8407.3	8797.9	9168.6	9440.0	9360.6	9354.0	9671.7	9691.6	9320.9	8486.8
20°	8870.7	9261.3	9446.6	9559.2	9228.2	8890.6	8850.8	9294.4	9638.6	9777.6	9049.4
22.5°	9824.0	10082.2	10459.5	9883.6	9023.0	8599.3	8519.9	9009.7	9704.8	10320.5	9777.6
25°	10757.4	10956.0	11320.1	10578.6	9254.7	8539.7	8400.7	8824.4	9956.4	11075.1	10658.1
27.5°	11743.8	11915.9	11955.6	11088.4	9380.4	8420.6	8255.1	8824.4	10168.2	11472.3	11710.7
30°	12346.2	12551.4	12591.1	11538.5	9585.7	8519.9	8440.4	8864.1	10313.9	11810.0	12465.3
32.5°	13021.4	13074.4	13041.3	11618.0	9810.7	8811.1	8480.1	9128.9	10479.4	12213.8	13153.8
35°	13829.0	13921.7	13584.1	11982.1	10313.9	8996.5	8877.3	9453.3	10764.0	12399.1	13987.9
37.5°	14444.7	14736.0	13974.7	12121.1	10413.2	9387.1	9406.9	10128.5	10962.6	12624.2	14908.1
40°	15603.2	15113.3	14636.7	12597.7	10790.5	10049.1	9943.1	10823.6	11631.2	12769.8	15510.5
42.5°	16238.7	15980.5	14894.8	12644.1	11373.0	10962.6	10989.1	11611.4	11982.1	13180.3	15676.0
45°	16397.6	16126.2	15245.7	12677.2	11949.0	12041.7	12498.4	12617.6	12498.4	13451.7	15987.1
47.5°	16801.4	16212.2	15206.0	13120.7	12882.4	13239.9	13822.4	14080.6	13200.1	13352.4	16132.8
50°	16721.9	16384.3	15119.9	13306.1	14021.0	14967.7	15358.2	15252.3	13981.3	13147.2	15973.9
52.5°	16390.9	16026.9	15384.7	13809.2	15086.8	16232.1	16774.9	16510.1	14676.4	13610.6	15868.0
55°	16874.2	16596.2	15729.0	14491.0	15887.8	17344.2	17728.2	17529.6	15530.4	14040.9	16470.4
57.5°	17397.2	17337.6	16662.4	15292.0	16834.5	18489.5	18489.5	18244.5	16271.8	14663.1	17364.1
60°	18151.8	18284.2	17350.8	15821.6	17158.9	18423.3	19383.2	19098.5	17019.8	15755.4	18376.9
62.5°	17906.9	18330.6	18237.9	16960.3	17529.6	18747.6	19270.6	19482.5	17946.6	17086.0	19727.4
65°	17119.1	17569.3	18231.3	17708.3	17251.5	17959.9	18224.7	18866.8	18410.0	18337.2	20283.5
67.5°	16179.1	16669.0	17079.4	18211.4	16688.8	17158.9	16927.2	17132.4	17906.9	19707.5	20601.2
70°	14126.9	14596.9	15245.7	17092.7	15199.4	14775.7	14716.1	14616.8	15821.6	19217.7	19158.1
72.5°	11618.0	11836.4	12908.9	13895.2	11247.3	11167.8	11260.5	11148.0	12544.8	17397.2	16410.8
75°	8698.6	8917.0	9526.1	10671.3	7659.3	7202.5	7732.1	8255.1	9579.0	13504.7	11790.1
77.5°	6540.5	6818.5	7202.5	7983.6	5620.3	4905.4	4978.2	5474.7	6924.4	10817.0	6606.7
80°	4243.4	4210.3	4951.7	5494.5	4230.1	4362.5	4177.2	4541.3	5017.9	5785.8	3376.2
82.5°	2449.4	2482.5	2793.6	3151.1	2945.9	3369.5	2429.5	4058.0	3581.4	2356.7	1257.8
85°	1376.9	1436.5	1721.2	2184.6	1847.0	1237.9	1012.8	2012.5	2250.8	966.5	609.0
87.5°	139.0	119.2	231.7	827.5	503.1	205.2	304.5	483.3	542.8	364.1	178.7
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°	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9
2.5°	9685.0	9685.0	9519.5	9241.4	9128.9	8930.3	8658.9	8744.9	8652.2	8314.6	8228.6
5°	9287.8	8970.0	8625.8	8202.1	7957.2	7454.0	7295.2	7010.5	7056.8	6772.2	6785.4
7.5°	8460.3	8208.7	7626.2	7070.1	6586.8	6149.9	5534.3	5302.6	5077.5	4964.9	5097.3
10°	7977.0	7507.0	6712.6	5984.4	5342.3	4951.7	4541.3	4223.5	3932.2	3713.8	3667.4
12.5°	7626.2	7209.1	6249.2	5362.1	4859.0	4541.3	4163.9	3727.0	3442.4	3065.0	2952.5
15°	7520.2	7010.5	5997.7	5117.2	4627.3	4104.4	3674.1	3243.8	2873.0	2475.9	2336.8
17.5°	7884.3	7295.2	5991.0	4918.6	4230.1	3667.4	3071.6	2588.4	2211.1	1847.0	1760.9
20°	8500.0	7599.7	6183.0	4799.4	3852.8	3098.1	2422.9	1939.6	1516.0	1277.6	1218.1
22.5°	9201.7	8116.0	6202.9	4481.7	3475.5	2528.8	1767.5	1277.6	1039.3	926.8	893.7
25°	10062.3	8943.5	6441.2	4223.5	3031.9	1919.8	1257.8	979.7	840.7	774.5	761.3
27.5°	10770.6	9519.5	6699.4	3952.1	2595.0	1423.3	986.4	801.0	728.2	662.0	655.4
30°	11505.4	10181.5	6772.2	3786.6	2217.7	1171.7	847.4	708.3	628.9	595.8	589.2
32.5°	12147.6	10903.0	7003.9	3515.2	1860.2	1032.7	767.9	635.5	582.6	529.6	523.0
35°	12975.1	11320.1	7116.4	3369.5	1727.8	933.4	701.7	582.6	503.1	470.0	456.8
37.5°	13862.1	11723.9	7189.2	3257.0	1615.3	873.8	662.0	549.5	476.6	430.3	417.1
40°	14689.6	12293.2	7083.3	3118.0	1529.2	801.0	635.5	509.7	443.5	397.2	377.3
42.5°	15325.1	12849.3	7050.2	2985.6	1436.5	774.5	602.4	489.9	417.1	364.1	357.5
45°	15682.6	13226.6	6818.5	2879.7	1363.7	787.8	589.2	463.4	397.2	350.9	324.4
47.5°	15596.6	13517.9	6878.1	2846.6	1264.4	734.8	582.6	443.5	364.1	324.4	304.5
50°	16073.2	14107.1	6778.8	2740.7	1191.6	662.0	635.5	443.5	357.5	311.1	291.3
52.5°	16152.6	14643.3	6990.6	2548.7	1079.0	609.0	628.9	436.9	344.2	297.9	271.4
55°	16814.6	15265.6	7401.1	2442.8	986.4	529.6	575.9	423.7	311.1	271.4	258.2
57.5°	17714.9	16556.4	7665.9	2343.5	860.6	463.4	483.3	417.1	284.7	251.6	231.7
60°	18582.1	17072.8	7685.7	2164.7	741.4	417.1	377.3	417.1	264.8	225.1	205.2
62.5°	19230.9	17072.8	7553.3	2012.5	648.8	370.7	331.0	397.2	238.3	198.6	185.4
65°	18880.0	16616.0	7209.1	1886.7	589.2	324.4	284.7	304.5	211.8	172.1	158.9
67.5°	18251.1	15192.7	6447.8	1734.4	582.6	284.7	244.9	225.1	185.4	152.3	139.0
70°	17244.9	13273.0	5368.8	1562.3	569.3	258.2	218.5	192.0	165.5	132.4	119.2
72.5°	13895.2	10962.6	4408.9	1463.0	556.1	225.1	185.4	165.5	139.0	112.5	99.3
75°	9625.4	7003.9	3396.0	1251.2	542.8	205.2	172.1	145.6	119.2	92.7	86.1
77.5°	5772.6	4680.3	2191.2	940.0	357.5	165.5	145.6	112.5	99.3	79.4	72.8
80°	2700.9	2211.1	887.1	364.1	172.1	119.2	99.3	86.1	79.4	66.2	59.6
82.5°	1059.2	933.4	430.3	211.8	139.0	92.7	79.4	72.8	66.2	53.0	46.3
85°	569.3	503.1	205.2	145.6	99.3	66.2	66.2	59.6	53.0	46.3	39.7
87.5°	125.8	92.7	86.1	86.1	72.8	53.0	53.0	46.3	39.7	33.1	26.5
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°	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9
2.5°	8182.2	8281.5	8122.7	8222.0	8082.9	8188.9	8202.1	8102.8	8129.3	8261.7	8321.3
5°	6970.8	6904.6	6758.9	6712.6	6719.2	6633.2	6666.3	6712.6	6785.4	6825.1	6944.3
7.5°	5024.5	5176.8	5170.2	5282.7	5289.3	5276.1	5183.4	4984.8	5051.0	4998.0	5064.2
10°	3594.6	3660.8	3786.6	3859.4	3991.8	3919.0	3707.2	3627.7	3588.0	3581.4	3647.6
12.5°	2873.0	2714.2	2700.9	2727.4	2793.6	2707.6	2601.6	2509.0	2555.3	2648.0	2720.8
15°	2224.3	2091.9	1919.8	1893.3	1906.5	1866.8	1754.3	1635.1	1668.2	1760.9	1813.9
17.5°	1707.9	1555.7	1436.5	1357.1	1330.6	1191.6	1026.1	926.8	900.3	893.7	940.0
20°	1151.9	1125.4	1105.5	1006.2	1006.2	807.6	668.6	595.8	595.8	609.0	615.7
22.5°	860.6	827.5	834.1	814.3	761.3	602.4	529.6	509.7	509.7	523.0	523.0
25°	748.1	701.7	688.5	681.9	628.9	516.4	463.4	443.5	443.5	456.8	456.8
27.5°	635.5	622.3	602.4	575.9	529.6	443.5	410.4	390.6	397.2	403.8	397.2
30°	582.6	549.5	523.0	523.0	470.0	397.2	370.7	357.5	344.2	357.5	364.1
32.5°	516.4	496.5	483.3	463.4	403.8	350.9	324.4	311.1	304.5	304.5	311.1
35°	443.5	443.5	430.3	403.8	350.9	317.8	284.7	271.4	264.8	271.4	271.4
37.5°	397.2	377.3	384.0	357.5	311.1	278.0	244.9	231.7	231.7	225.1	231.7
40°	370.7	337.6	317.8	304.5	278.0	238.3	211.8	198.6	192.0	192.0	192.0
42.5°	331.0	304.5	264.8	258.2	251.6	205.2	172.1	165.5	158.9	152.3	152.3
45°	311.1	271.4	238.3	205.2	205.2	172.1	145.6	132.4	125.8	119.2	125.8
47.5°	284.7	244.9	205.2	172.1	165.5	139.0	112.5	99.3	92.7	92.7	92.7
50°	271.4	218.5	178.7	145.6	125.8	112.5	86.1	72.8	66.2	66.2	66.2
52.5°	251.6	205.2	158.9	125.8	99.3	86.1	66.2	53.0	46.3	46.3	46.3
55°	225.1	185.4	139.0	105.9	86.1	66.2	46.3	33.1	26.5	26.5	26.5
57.5°	211.8	165.5	119.2	92.7	66.2	46.3	26.5	19.9	19.9	13.2	19.9
60°	192.0	145.6	99.3	72.8	53.0	33.1	19.9	6.6	6.6	6.6	6.6
62.5°	165.5	125.8	86.1	59.6	39.7	19.9	6.6	0.0	0.0	0.0	0.0
65°	139.0	99.3	66.2	46.3	26.5	6.6	0.0	0.0	0.0	0.0	0.0
67.5°	119.2	86.1	53.0	33.1	19.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	105.9	72.8	39.7	26.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	86.1	59.6	33.1	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	72.8	46.3	19.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	59.6	33.1	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	46.3	26.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.7	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.9	6.6	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: P599425
 CATALOG NUMBER: IFLD-L-SA8B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9	9320.9
2.5°	8407.3	8367.6	8566.2	8890.6	9056.1	9380.4	9459.9	9665.1	9612.1	9685.0
5°	6957.5	7037.0	7328.3	7804.9	7977.0	8447.0	8890.6	9334.1	9618.8	9757.8
7.5°	5163.5	5428.3	5785.8	6222.7	6666.3	7281.9	8036.6	8553.0	8831.0	9128.9
10°	3846.2	4130.8	4541.3	4971.6	5693.1	6381.6	7136.3	7778.4	8016.7	8294.8
12.5°	3025.3	3468.8	3945.5	4408.9	4839.2	5494.5	6428.0	7361.4	7619.5	7831.4
15°	2105.1	2648.0	3329.8	3932.2	4534.7	5104.0	6070.5	7202.5	7553.3	7910.8
17.5°	1165.1	1595.4	2376.6	3223.9	4111.0	4984.8	6189.6	7493.8	8023.4	8274.9
20°	675.2	847.4	1403.4	2409.7	3581.4	4726.6	6249.2	8043.2	8744.9	8870.7
22.5°	556.1	615.7	794.4	1509.3	2932.6	4561.1	6553.7	8811.1	9526.1	9824.0
25°	476.6	523.0	615.7	906.9	2217.7	4210.3	6745.7	9771.0	10433.0	10757.4
27.5°	423.7	470.0	542.8	668.6	1509.3	3727.0	7063.5	10638.2	11300.2	11743.8
30°	370.7	410.4	483.3	569.3	1045.9	3184.2	7334.9	11273.7	12207.2	12346.2
32.5°	331.0	364.1	417.1	489.9	774.5	2416.3	7553.3	11929.1	12716.9	13021.4
35°	284.7	324.4	357.5	417.1	589.2	1820.5	7420.9	12438.8	13464.9	13829.0
37.5°	251.6	278.0	311.1	350.9	496.5	1423.3	7149.5	13047.9	14107.1	14444.7
40°	211.8	231.7	271.4	311.1	450.2	1098.9	6838.4	13782.7	15007.4	15603.2
42.5°	178.7	198.6	225.1	291.3	370.7	814.3	6209.5	14352.0	15735.6	16238.7
45°	139.0	165.5	205.2	291.3	297.9	602.4	5560.7	14775.7	16146.0	16397.6
47.5°	105.9	132.4	198.6	251.6	238.3	417.1	4792.8	15258.9	16569.7	16801.4
50°	79.4	105.9	225.1	218.5	198.6	317.8	4309.6	15596.6	16596.2	16721.9
52.5°	53.0	79.4	185.4	165.5	165.5	278.0	4177.2	15583.3	16662.4	16390.9
55°	39.7	59.6	105.9	119.2	145.6	244.9	4058.0	16079.8	16682.2	16874.2
57.5°	26.5	46.3	72.8	92.7	125.8	211.8	3813.1	16675.6	17297.9	17397.2
60°	13.2	33.1	53.0	72.8	105.9	185.4	3468.8	17112.5	18045.9	18151.8
62.5°	6.6	19.9	39.7	59.6	86.1	145.6	3111.4	16417.4	17721.6	17906.9
65°	0.0	13.2	26.5	39.7	53.0	105.9	2528.8	14822.0	16437.3	17119.1
67.5°	0.0	0.0	13.2	26.5	33.1	79.4	1906.5	13484.8	15252.3	16179.1
70°	0.0	0.0	6.6	6.6	19.9	59.6	1218.1	11167.8	13617.2	14126.9
72.5°	0.0	0.0	0.0	0.0	6.6	39.7	708.3	8294.8	10671.3	11618.0
75°	0.0	0.0	0.0	0.0	0.0	33.1	357.5	5335.7	7427.6	8698.6
77.5°	0.0	0.0	0.0	0.0	0.0	26.5	192.0	3442.4	5474.7	6540.5
80°	0.0	0.0	0.0	0.0	0.0	6.6	112.5	1999.2	3501.9	4243.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	46.3	979.7	2091.9	2449.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	523.0	1045.9	1376.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	72.8	139.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)