

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: P599000

Luminaire Tested: **IFLD-S-SA3C-750-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599000
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-750-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 5000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

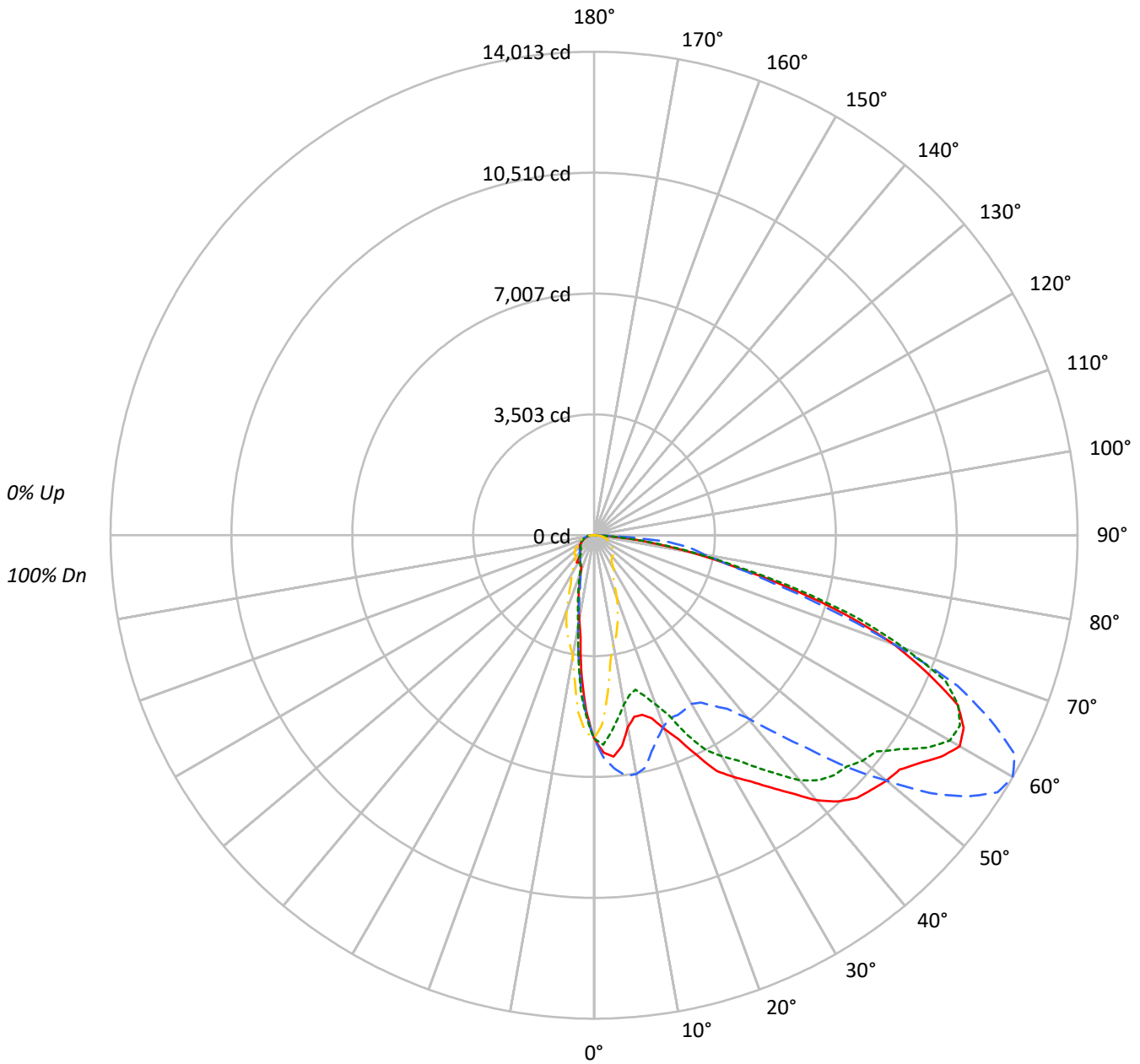
Lumens per Lamp: N/A
 Luminaire Lumens: 18430.1 lumens
 Efficiency: N/A
 Efficacy: 114.6 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 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

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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	102	102	102	100	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	84482	84482	84482	84482
5°	92814	82448	59128	64546
10°	82211	72560	35863	38484
15°	80051	68877	25388	26360
20°	91277	79665	16608	18355
25°	111212	100983	14501	15018
30°	133997	122481	15039	13955
35°	156275	143813	12462	11746
40°	187787	173696	11640	11027
45°	218540	199623	11782	10952
50°	246979	226899	12048	11318
55°	288033	270440	12478	11865
60°	351303	341681	12437	12437
65°	394806	395359	12772	13326
70°	388007	401733	13378	13722
75°	320066	341376	14051	14961
80°	231095	242584	15538	16216
85°	127899	137318	17504	21539

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.3	2.5
10°-20°	965.5	5.2
20°-30°	1412.6	7.7
30°-40°	1990.3	10.8
40°-50°	2735.3	14.8
50°-60°	3727.9	20.2
60°-70°	4080.1	22.1
70°-80°	2355.6	12.8
80°-90°	705.4	3.8
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°	2835.5	15.4
0°-40°	4825.8	26.2
0°-60°	11289.1	61.3
0°-90°	18430.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18430.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5886	5886	5886	5886	5886	
5°	6442	5723	4104	4480	6442	585
15°	5388	4636	1709	1774	5388	1574
25°	7023	6377	916	948	7023	3289
35°	8920	8208	711	670	8920	5656
45°	10767	9835	580	540	10767	8276
55°	11511	10808	499	474	11511	10386
65°	11626	11642	376	392	11626	11127
75°	5772	6156	253	270	5772	6200
85°	777	834	106	131	777	1078
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°	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5
2.5°	6303.4	6278.9	6303.4	6393.4	6417.9	6458.8	6458.8	6401.5	6295.2	6246.2	6164.4
5°	6442.4	6401.5	6605.9	6794.0	6941.1	6924.8	6785.8	6671.3	6458.8	6139.9	5837.4
7.5°	6164.4	6205.3	6352.5	6843.0	7186.4	7251.8	7031.0	6802.1	6344.3	5902.8	5494.0
10°	5641.2	5698.4	6017.3	6524.2	7063.8	7170.0	7031.0	6753.1	6205.3	5657.5	5183.4
12.5°	5387.7	5518.6	5706.6	6319.8	6704.0	6957.5	6892.1	6712.2	6099.0	5453.2	4995.3
15°	5387.7	5420.4	5698.4	6213.5	6434.2	6442.4	6466.9	6499.6	6131.7	5543.1	4929.9
17.5°	5559.4	5649.4	5886.5	6205.3	6246.2	6148.1	6148.1	6287.1	6197.1	5796.5	5167.0
20°	5976.4	5943.7	6254.4	6385.2	6164.4	5919.2	5894.6	6131.7	6270.7	6066.3	5600.3
22.5°	6393.4	6540.5	6794.0	6499.6	6090.9	5763.8	5731.1	6025.4	6491.5	6532.3	6099.0
25°	7022.9	7170.0	7300.8	6941.1	6082.7	5722.9	5747.5	5976.4	6761.3	7194.6	6932.9
27.5°	7701.5	7791.4	7979.4	7423.5	6278.9	5673.9	5698.4	6041.8	7014.7	7627.9	7587.0
30°	8085.7	8183.8	8142.9	7513.4	6409.7	5706.6	5641.2	6131.7	6875.7	7627.9	8012.1
32.5°	8461.8	8404.6	8380.0	7660.6	6573.2	5911.0	5747.5	6319.8	6957.5	7750.5	8559.9
35°	8919.6	8837.9	8772.5	7946.7	6843.0	6107.2	6033.6	6565.0	7137.3	8004.0	9001.4
37.5°	9426.5	9426.5	9107.7	8159.3	7161.9	6426.1	6344.3	6916.6	7423.5	8159.3	9606.4
40°	10023.3	10047.9	9483.7	8445.4	7521.6	6932.9	6908.4	7374.4	7701.5	8388.2	10186.8
42.5°	10464.8	10481.2	9810.8	8551.7	7938.5	7636.0	7742.3	8110.2	8020.3	8592.6	10227.7
45°	10767.3	10685.6	10039.7	8854.2	8396.4	8690.7	8723.4	8829.7	8437.3	8715.2	10391.2
47.5°	10914.5	10898.1	10137.8	9205.8	9361.1	9761.7	9949.8	9802.6	8821.5	8584.4	10391.2
50°	11061.6	10922.7	10227.7	9688.1	10301.3	11110.7	11069.8	10800.0	9352.9	8747.9	10235.9
52.5°	11159.7	11037.1	10407.6	10121.4	11200.6	12116.3	12279.8	11781.1	9974.3	9050.4	10309.5
55°	11511.3	11413.2	10947.2	10710.1	12238.9	13179.1	13203.7	12508.7	10628.3	9549.1	10791.8
57.5°	11936.4	11993.7	11691.2	11544.0	13032.0	13955.8	13865.9	13048.3	11184.3	10154.1	11347.8
60°	12238.9	12328.9	12255.3	12271.6	13424.4	14217.4	14013.0	13383.5	11593.1	10612.0	12026.4
62.5°	12075.4	12255.3	12557.8	12492.4	13440.8	14029.4	13743.2	12942.0	11642.1	11208.8	12541.4
65°	11625.8	11642.1	12230.8	12590.5	12704.9	13056.5	12680.4	12018.2	11135.2	11576.7	12467.9
67.5°	10473.0	10603.8	11135.2	11838.3	11356.0	11437.7	11405.0	10448.5	10366.7	11323.3	11903.7
70°	9246.6	9336.6	9917.1	10742.8	9590.0	9205.8	9279.4	8568.1	8903.3	10538.4	10767.3
72.5°	7644.2	7701.5	8363.7	9091.3	7693.3	7006.5	7178.2	6597.7	7071.9	9222.1	9083.1
75°	5772.0	5878.3	6393.4	7251.8	5665.7	5224.2	5395.9	5158.8	5600.3	7595.2	7047.4
77.5°	4104.2	4022.4	4660.1	5673.9	4259.5	3997.9	4014.2	4055.1	4529.3	6401.5	5060.7
80°	2796.1	2820.6	3392.9	4161.4	3343.8	3303.0	3262.1	3589.1	3801.7	5068.9	3679.0
82.5°	1659.7	1659.7	2289.2	2959.6	2640.7	2975.9	2787.9	3082.2	2975.9	3728.1	2411.8
85°	776.7	776.7	1177.3	2133.8	2043.9	2452.7	2084.8	2330.1	2199.2	2599.9	1087.4
87.5°	130.8	114.5	237.1	1046.5	842.1	956.5	376.1	1242.7	1381.7	1815.0	269.8
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°	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5
2.5°	6074.5	6017.3	5902.8	5755.7	5633.0	5477.7	5428.6	5322.3	5175.2	5158.8	5093.4
5°	5722.9	5526.7	5281.5	4979.0	4774.6	4562.0	4382.1	4275.9	4153.2	4136.9	4104.2
7.5°	5338.7	5093.4	4684.6	4324.9	3973.4	3638.2	3474.6	3270.3	3131.3	3025.0	2975.9
10°	4979.0	4750.0	4243.2	3752.6	3441.9	3221.2	3025.0	2812.4	2640.7	2509.9	2460.9
12.5°	4741.9	4472.1	3924.3	3458.3	3229.4	2975.9	2755.2	2526.3	2305.5	2133.8	2043.9
15°	4635.6	4382.1	3826.2	3311.1	2975.9	2624.4	2370.9	2142.0	1872.2	1749.6	1708.7
17.5°	4889.0	4513.0	3793.5	3139.4	2665.3	2264.7	1954.0	1708.7	1512.5	1389.9	1340.8
20°	5216.1	4750.0	3850.7	2935.1	2370.9	1921.3	1577.9	1316.3	1185.5	1095.5	1087.4
22.5°	5633.0	5101.6	3940.7	2787.9	2043.9	1545.2	1234.5	1079.2	989.3	981.1	964.7
25°	6377.0	5739.3	4087.8	2591.7	1782.3	1275.4	1054.7	964.7	923.8	899.3	915.7
27.5°	7014.7	6156.3	4194.1	2469.0	1676.0	1201.8	1022.0	923.8	883.0	874.8	883.0
30°	7390.8	6540.5	4161.4	2240.1	1463.4	1144.6	1087.4	1054.7	972.9	907.5	907.5
32.5°	7734.2	6785.8	4153.2	2035.7	1250.9	956.5	907.5	883.0	932.0	964.7	940.2
35°	8208.3	7170.0	4128.7	1921.3	1160.9	883.0	801.2	735.8	703.1	686.8	711.3
37.5°	8715.2	7431.7	4063.3	1904.9	1111.9	842.1	776.7	711.3	678.6	662.2	654.1
40°	9271.2	7709.6	3989.7	1823.2	1087.4	817.6	752.2	694.9	654.1	629.5	621.3
42.5°	9630.9	7930.4	3916.1	1782.3	1038.3	801.2	727.6	678.6	637.7	605.0	605.0
45°	9835.3	8192.0	3842.6	1741.4	981.1	809.4	727.6	662.2	613.2	596.8	580.5
47.5°	9925.2	8388.2	3818.0	1676.0	932.0	776.7	711.3	645.9	596.8	564.1	555.9
50°	10162.3	8805.2	3908.0	1627.0	874.8	744.0	752.2	637.7	588.6	547.8	539.6
52.5°	10301.3	9140.4	4104.2	1553.4	833.9	703.1	735.8	621.3	564.1	523.2	523.2
55°	10808.2	9696.3	4316.7	1496.1	784.9	645.9	678.6	588.6	523.2	498.7	498.7
57.5°	11454.1	10285.0	4496.6	1471.6	752.2	605.0	605.0	572.3	498.7	466.0	457.8
60°	11903.7	10767.3	4602.9	1455.3	719.5	564.1	539.6	572.3	474.2	441.5	433.3
62.5°	11952.8	10489.3	4496.6	1447.1	711.3	523.2	490.5	547.8	449.7	417.0	400.6
65°	11642.1	9925.2	4202.3	1414.4	703.1	482.4	457.8	474.2	417.0	392.4	376.1
67.5°	11020.8	9009.6	3777.1	1398.0	694.9	449.7	417.0	408.8	384.3	359.7	343.4
70°	9573.7	7815.9	3278.4	1324.5	678.6	425.1	376.1	367.9	343.4	327.0	318.8
72.5°	8036.7	6393.4	2706.1	1226.3	645.9	384.3	343.4	327.0	318.8	294.3	286.1
75°	6156.3	4921.7	2166.5	1087.4	564.1	343.4	302.5	286.1	278.0	261.6	253.4
77.5°	4324.9	3662.7	1602.4	883.0	474.2	310.7	269.8	253.4	245.3	220.7	220.7
80°	2935.1	2567.2	1087.4	613.2	367.9	253.4	237.1	220.7	204.4	188.0	188.0
82.5°	1823.2	1798.6	784.9	400.6	269.8	204.4	188.0	188.0	163.5	147.2	147.2
85°	833.9	1103.7	547.8	278.0	204.4	155.3	155.3	147.2	130.8	106.3	106.3
87.5°	261.6	367.9	286.1	122.6	114.5	89.9	89.9	81.8	81.8	65.4	65.4
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°	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5
2.5°	5158.8	5150.7	5150.7	5118.0	5199.7	5199.7	5248.8	5207.9	5232.4	5240.6	5306.0
5°	4096.0	4161.4	4210.5	4308.6	4365.8	4390.3	4390.3	4455.7	4431.2	4480.3	4578.4
7.5°	3000.5	3082.2	3229.4	3352.0	3450.1	3482.8	3474.6	3491.0	3515.5	3458.3	3474.6
10°	2428.2	2370.9	2420.0	2534.4	2624.4	2730.7	2648.9	2640.7	2665.3	2640.7	2689.8
12.5°	2027.6	1962.2	1921.3	1921.3	1986.7	2035.7	2011.2	2052.1	2142.0	2166.5	2223.8
15°	1643.3	1586.1	1553.4	1512.5	1577.9	1594.2	1618.8	1676.0	1741.4	1774.1	1839.5
17.5°	1316.3	1316.3	1316.3	1283.6	1308.1	1332.6	1340.8	1414.4	1422.6	1455.3	1479.8
20°	1079.2	1103.7	1144.6	1160.9	1185.5	1185.5	1169.1	1210.0	1177.3	1201.8	1218.2
22.5°	972.9	1005.6	1022.0	1030.1	1062.8	1071.0	1030.1	1038.3	1046.5	1022.0	1030.1
25°	915.7	932.0	915.7	923.8	932.0	915.7	923.8	940.2	932.0	948.4	940.2
27.5°	891.1	874.8	866.6	858.4	858.4	842.1	850.3	850.3	866.6	874.8	874.8
30°	891.1	866.6	833.9	809.4	809.4	784.9	801.2	817.6	825.7	842.1	842.1
32.5°	915.7	866.6	809.4	784.9	760.3	744.0	760.3	784.9	817.6	825.7	833.9
35°	727.6	752.2	744.0	711.3	703.1	703.1	694.9	694.9	670.4	670.4	662.2
37.5°	654.1	645.9	662.2	670.4	678.6	654.1	654.1	621.3	613.2	621.3	621.3
40°	613.2	613.2	613.2	637.7	645.9	629.5	605.0	588.6	588.6	588.6	596.8
42.5°	596.8	580.5	572.3	588.6	613.2	596.8	572.3	564.1	564.1	572.3	572.3
45°	572.3	564.1	555.9	547.8	580.5	555.9	547.8	539.6	539.6	539.6	547.8
47.5°	547.8	539.6	523.2	523.2	531.4	523.2	515.1	515.1	515.1	531.4	531.4
50°	531.4	523.2	506.9	506.9	506.9	506.9	498.7	498.7	498.7	506.9	515.1
52.5°	506.9	498.7	490.5	482.4	482.4	482.4	482.4	482.4	482.4	490.5	498.7
55°	482.4	474.2	466.0	466.0	474.2	474.2	466.0	474.2	466.0	474.2	482.4
57.5°	457.8	449.7	441.5	449.7	457.8	449.7	449.7	449.7	449.7	449.7	457.8
60°	425.1	425.1	425.1	425.1	441.5	441.5	441.5	441.5	425.1	433.3	441.5
62.5°	408.8	400.6	400.6	408.8	417.0	417.0	425.1	417.0	408.8	417.0	417.0
65°	376.1	376.1	376.1	384.3	384.3	392.4	392.4	392.4	384.3	392.4	392.4
67.5°	351.6	351.6	351.6	351.6	367.9	367.9	367.9	367.9	359.7	359.7	367.9
70°	310.7	318.8	310.7	327.0	343.4	335.2	343.4	343.4	335.2	327.0	343.4
72.5°	286.1	286.1	286.1	286.1	310.7	310.7	310.7	318.8	310.7	302.5	310.7
75°	253.4	253.4	253.4	261.6	278.0	278.0	278.0	278.0	278.0	269.8	269.8
77.5°	220.7	228.9	220.7	228.9	245.3	237.1	245.3	253.4	245.3	237.1	237.1
80°	188.0	188.0	188.0	196.2	204.4	204.4	204.4	212.6	204.4	196.2	196.2
82.5°	147.2	147.2	155.3	155.3	163.5	163.5	163.5	171.7	163.5	155.3	155.3
85°	114.5	114.5	114.5	122.6	122.6	130.8	130.8	139.0	139.0	130.8	130.8
87.5°	73.6	65.4	73.6	73.6	81.8	81.8	73.6	65.4	73.6	65.4	57.2
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: P599000
 CATALOG NUMBER: IFLD-S-SA3C-750-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5	5886.5
2.5°	5371.4	5518.6	5624.8	5698.4	5804.7	6009.1	6090.9	6238.0	6278.9	6303.4
5°	4619.2	4774.6	5003.5	5167.0	5355.0	5739.3	6033.6	6254.4	6352.5	6442.4
7.5°	3621.8	3826.2	4063.3	4275.9	4586.5	5060.7	5445.0	5902.8	6074.5	6164.4
10°	2828.8	3016.8	3278.4	3540.1	3973.4	4374.0	4921.7	5338.7	5575.8	5641.2
12.5°	2387.3	2608.0	2918.7	3237.6	3507.3	3965.2	4521.1	5126.1	5346.9	5387.7
15°	2027.6	2330.1	2648.9	2975.9	3286.6	3687.2	4284.0	5019.8	5346.9	5387.7
17.5°	1676.0	1945.8	2321.9	2673.4	3033.2	3580.9	4324.9	5109.8	5436.8	5559.4
20°	1332.6	1594.2	1888.6	2330.1	2820.6	3401.1	4414.8	5412.3	5845.6	5976.4
22.5°	1103.7	1218.2	1504.3	1929.5	2509.9	3278.4	4504.8	5886.5	6344.3	6393.4
25°	964.7	1046.5	1226.3	1627.0	2264.7	3196.7	4717.3	6434.2	7022.9	7022.9
27.5°	899.3	932.0	1054.7	1414.4	2093.0	3123.1	4929.9	7039.2	7587.0	7701.5
30°	883.0	964.7	1030.1	1259.0	1904.9	2918.7	5126.1	7513.4	8077.5	8085.7
32.5°	866.6	850.3	899.3	1095.5	1676.0	2706.1	5289.6	7995.8	8437.3	8461.8
35°	678.6	711.3	793.0	964.7	1504.3	2550.8	5371.4	8257.4	8895.1	8919.6
37.5°	637.7	678.6	744.0	891.1	1389.9	2420.0	5395.9	8764.3	9377.5	9426.5
40°	621.3	654.1	703.1	825.7	1299.9	2256.5	5445.0	9287.5	10088.7	10023.3
42.5°	588.6	629.5	678.6	793.0	1226.3	2133.8	5453.2	9573.7	10464.8	10464.8
45°	580.5	605.0	662.2	793.0	1144.6	2027.6	5322.3	9859.8	10898.1	10767.3
47.5°	547.8	596.8	645.9	768.5	1046.5	1921.3	5167.0	10007.0	10955.4	10914.5
50°	539.6	588.6	670.4	727.6	989.3	1872.2	5134.3	10374.9	11069.8	11061.6
52.5°	523.2	572.3	694.9	694.9	915.7	1806.8	5289.6	10538.4	11094.3	11159.7
55°	498.7	572.3	645.9	637.7	850.3	1725.1	5461.3	10963.5	11527.7	11511.3
57.5°	482.4	555.9	613.2	580.5	776.7	1667.8	5714.8	11372.3	12050.9	11936.4
60°	457.8	555.9	547.8	539.6	719.5	1618.8	5927.3	11454.1	12165.4	12238.9
62.5°	441.5	580.5	482.4	498.7	670.4	1594.2	5837.4	10840.9	12010.0	12075.4
65°	425.1	498.7	441.5	457.8	654.1	1545.2	5485.9	10105.1	11339.6	11625.8
67.5°	392.4	408.8	408.8	425.1	637.7	1430.7	4766.4	8780.6	10317.7	10473.0
70°	359.7	367.9	367.9	392.4	621.3	1299.9	3932.5	7595.2	8952.3	9246.6
72.5°	327.0	327.0	327.0	359.7	572.3	1193.6	3237.6	5837.4	7439.8	7644.2
75°	286.1	286.1	286.1	318.8	515.1	1087.4	2550.8	4341.3	5477.7	5772.0
77.5°	253.4	253.4	245.3	286.1	449.7	883.0	1839.5	3065.9	3858.9	4104.2
80°	212.6	204.4	204.4	228.9	351.6	637.7	1185.5	2166.5	2689.8	2796.1
82.5°	171.7	163.5	155.3	171.7	253.4	400.6	735.8	1512.5	1725.1	1659.7
85°	163.5	171.7	139.0	130.8	179.9	261.6	466.0	932.0	776.7	776.7
87.5°	65.4	57.2	57.2	49.1	89.9	98.1	204.4	171.7	130.8	130.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)