

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: P599433

Luminaire Tested: **IFLD-S-SA3A-730-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: P599433
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-730-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

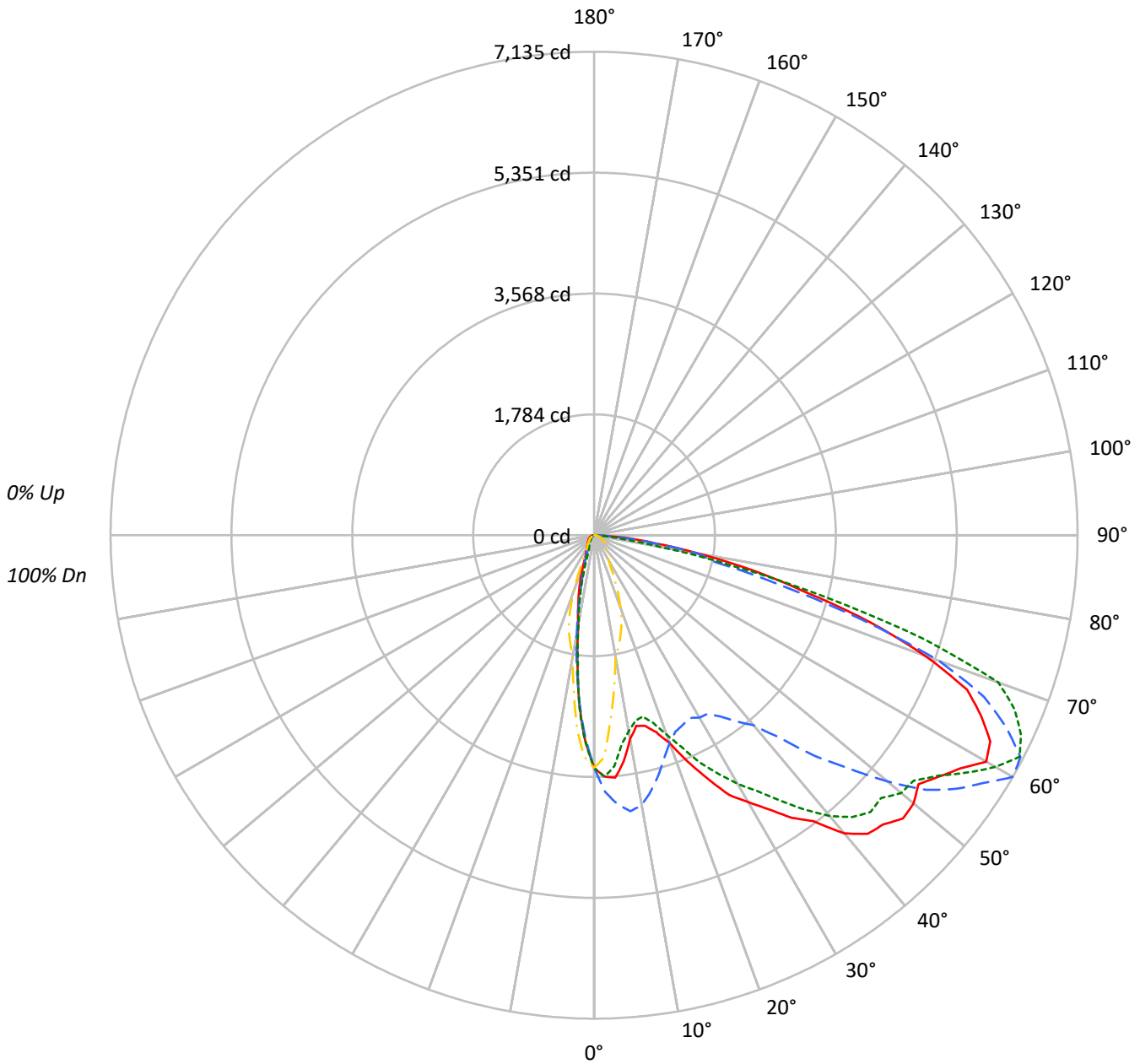
Lumens per Lamp: N/A
 Luminaire Lumens: 9125.0 lumens
 Efficiency: N/A
 Efficacy: 96.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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

TEST NUMBER: P599433
CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-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	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49240	49240	49240	49240
5°	51746	49254	35984	36194
10°	44495	42792	19674	19212
15°	43265	41129	12781	9631
20°	49869	47786	6848	3424
25°	62704	58653	4437	2662
30°	75312	70185	3594	2181
35°	89186	83678	2945	1750
40°	107603	101302	2602	1325
45°	122506	117166	2423	891
50°	137431	132099	2394	545
55°	155418	154867	2377	243
60°	191787	196331	2167	69
65°	213992	236005	1987	0
70°	218203	266363	1842	0
75°	177550	196464	1758	0
80°	129098	82170	1810	0
85°	83454	34515	2404	0

TEST NUMBER: P599433
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.6	2.9
10°-20°	511.1	5.6
20°-30°	707.3	7.8
30°-40°	999.6	11.0
40°-50°	1361.0	14.9
50°-60°	1802.5	19.8
60°-70°	2092.9	22.9
70°-80°	1185.2	13.0
80°-90°	204.8	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°	1479.1	16.2
0°-40°	2478.7	27.2
0°-60°	5642.2	61.8
0°-90°	9125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9125.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3431	3431	3431	3431	3431	
5°	3592	3419	2498	2512	3592	323
15°	2912	2768	860	648	2912	854
25°	3960	3704	280	168	3960	1847
35°	5090	4776	168	100	5090	3209
45°	6036	5773	119	44	6036	4679
55°	6211	6189	95	10	6211	5627
65°	6301	6950	58	0	6301	6143
75°	3202	3543	32	0	3202	3495
85°	507	210	15	0	507	609
90°	0	0	0	0	0	

TEST NUMBER: P599433
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9
2.5°	3565.0	3640.5	3642.9	3677.1	3711.2	3711.2	3791.6	3772.1	3701.4	3689.2	3638.1
5°	3591.8	3618.6	3638.1	3811.1	3957.3	3942.7	3986.5	3957.3	3820.8	3645.4	3526.0
7.5°	3360.3	3389.5	3467.5	3762.3	3959.7	4025.5	4108.4	3925.6	3781.8	3465.1	3236.0
10°	3053.2	3109.3	3253.1	3589.3	3833.0	4042.6	4042.6	3896.4	3618.6	3309.1	3028.9
12.5°	2882.7	2994.8	3072.7	3413.9	3730.7	3874.4	3869.6	3791.6	3611.3	3221.4	2904.6
15°	2911.9	2943.6	3109.3	3374.9	3584.5	3577.1	3664.9	3640.5	3513.8	3299.4	2950.9
17.5°	3045.9	3094.7	3238.4	3374.9	3474.8	3445.6	3443.1	3560.1	3567.4	3430.9	3123.9
20°	3265.2	3409.0	3477.2	3518.7	3396.8	3272.6	3257.9	3421.2	3547.9	3599.1	3331.0
22.5°	3616.1	3711.2	3850.1	3638.1	3321.3	3165.3	3136.1	3316.4	3572.3	3798.9	3599.1
25°	3959.7	4032.8	4166.8	3893.9	3406.6	3143.4	3092.2	3248.2	3664.9	4076.7	3923.2
27.5°	4322.8	4386.1	4400.8	4081.6	3452.9	3099.5	3038.6	3248.2	3742.8	4222.9	4310.6
30°	4544.5	4620.1	4634.7	4247.3	3528.4	3136.1	3106.9	3262.8	3796.5	4347.2	4588.4
32.5°	4793.1	4812.6	4800.4	4276.5	3611.3	3243.3	3121.5	3360.3	3857.4	4495.8	4841.8
35°	5090.4	5124.5	5000.2	4410.5	3796.5	3311.5	3267.7	3479.7	3962.2	4564.0	5148.8
37.5°	5317.0	5424.2	5144.0	4461.7	3833.0	3455.3	3462.6	3728.2	4035.3	4646.9	5487.6
40°	5743.4	5563.1	5387.6	4637.1	3971.9	3699.0	3660.0	3984.1	4281.4	4700.5	5709.3
42.5°	5977.3	5882.3	5482.7	4654.2	4186.3	4035.3	4045.0	4274.1	4410.5	4851.6	5770.2
45°	6035.8	5935.9	5611.8	4666.4	4398.3	4432.4	4600.6	4644.4	4600.6	4951.5	5884.7
47.5°	6184.5	5967.6	5597.2	4829.6	4741.9	4873.5	5087.9	5183.0	4858.9	4914.9	5938.4
50°	6155.2	6030.9	5565.5	4897.9	5161.0	5509.5	5653.3	5614.3	5146.4	4839.4	5879.9
52.5°	6033.4	5899.4	5663.0	5083.1	5553.3	5974.9	6174.7	6077.2	5402.3	5010.0	5840.9
55°	6211.3	6108.9	5789.7	5334.0	5848.2	6384.3	6525.6	6452.5	5716.6	5168.3	6062.6
57.5°	6403.8	6381.8	6133.3	5628.9	6196.6	6805.8	6805.8	6715.7	5989.5	5397.4	6391.6
60°	6681.6	6730.3	6386.7	5823.8	6316.0	6781.5	7134.8	7030.0	6264.9	5799.5	6764.4
62.5°	6591.4	6747.4	6713.2	6242.9	6452.5	6900.9	7093.4	7171.3	6606.0	6289.2	7261.5
65°	6301.4	6467.1	6710.8	6518.3	6350.2	6610.9	6708.4	6944.7	6776.6	6749.8	7466.2
67.5°	5955.4	6135.7	6286.8	6703.5	6143.0	6316.0	6230.8	6306.3	6591.4	7254.2	7583.2
70°	5200.0	5373.0	5611.8	6291.7	5594.8	5438.8	5416.9	5380.3	5823.8	7073.9	7051.9
72.5°	4276.5	4356.9	4751.7	5114.7	4140.0	4110.8	4144.9	4103.5	4617.6	6403.8	6040.7
75°	3201.9	3282.3	3506.5	3928.0	2819.3	2651.2	2846.1	3038.6	3526.0	4971.0	4339.8
77.5°	2407.5	2509.8	2651.2	2938.7	2068.8	1805.6	1832.4	2015.2	2548.8	3981.6	2431.9
80°	1562.0	1549.8	1822.7	2022.5	1557.1	1605.8	1537.6	1671.6	1847.1	2129.7	1242.7
82.5°	901.6	913.8	1028.3	1159.9	1084.4	1240.3	894.3	1493.7	1318.3	867.5	463.0
85°	506.8	528.8	633.6	804.1	679.9	455.7	372.8	740.8	828.5	355.8	224.2
87.5°	51.2	43.9	85.3	304.6	185.2	75.5	112.1	177.9	199.8	134.0	65.8
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: P599433
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9
2.5°	3565.0	3565.0	3504.0	3401.7	3360.3	3287.2	3187.3	3218.9	3184.8	3060.6	3028.9
5°	3418.8	3301.8	3175.1	3019.1	2929.0	2743.8	2685.3	2580.5	2597.6	2492.8	2497.7
7.5°	3114.2	3021.6	2807.1	2602.4	2424.6	2263.7	2037.1	1951.8	1869.0	1827.6	1876.3
10°	2936.3	2763.3	2470.9	2202.8	1966.5	1822.7	1671.6	1554.6	1447.4	1367.0	1350.0
12.5°	2807.1	2653.6	2300.3	1973.8	1788.6	1671.6	1532.7	1371.9	1267.1	1128.2	1086.8
15°	2768.1	2580.5	2207.7	1883.6	1703.3	1510.8	1352.4	1194.0	1057.5	911.3	860.2
17.5°	2902.2	2685.3	2205.3	1810.5	1557.1	1350.0	1130.7	952.8	813.9	679.9	648.2
20°	3128.8	2797.4	2275.9	1766.6	1418.2	1140.4	891.8	714.0	558.0	470.3	448.4
22.5°	3387.1	2987.5	2283.2	1649.7	1279.3	930.8	650.6	470.3	382.6	341.1	329.0
25°	3703.9	3292.0	2371.0	1554.6	1116.0	706.7	463.0	360.6	309.5	285.1	280.2
27.5°	3964.6	3504.0	2466.0	1454.7	955.2	523.9	363.1	294.8	268.0	243.7	241.2
30°	4235.1	3747.7	2492.8	1393.8	816.3	431.3	311.9	260.7	231.5	219.3	216.9
32.5°	4471.4	4013.3	2578.1	1293.9	684.7	380.1	282.7	233.9	214.4	194.9	192.5
35°	4776.0	4166.8	2619.5	1240.3	636.0	343.6	258.3	214.4	185.2	173.0	168.1
37.5°	5102.5	4315.5	2646.3	1198.9	594.6	321.7	243.7	202.3	175.4	158.4	153.5
40°	5407.1	4525.0	2607.3	1147.7	562.9	294.8	233.9	187.6	163.3	146.2	138.9
42.5°	5641.1	4729.7	2595.1	1099.0	528.8	285.1	221.7	180.3	153.5	134.0	131.6
45°	5772.7	4868.6	2509.8	1060.0	502.0	290.0	216.9	170.6	146.2	129.1	119.4
47.5°	5741.0	4975.8	2531.8	1047.8	465.4	270.5	214.4	163.3	134.0	119.4	112.1
50°	5916.4	5192.7	2495.2	1008.8	438.6	243.7	233.9	163.3	131.6	114.5	107.2
52.5°	5945.7	5390.1	2573.2	938.1	397.2	224.2	231.5	160.8	126.7	109.7	99.9
55°	6189.3	5619.1	2724.3	899.2	363.1	194.9	212.0	156.0	114.5	99.9	95.0
57.5°	6520.7	6094.3	2821.8	862.6	316.8	170.6	177.9	153.5	104.8	92.6	85.3
60°	6839.9	6284.4	2829.1	796.8	272.9	153.5	138.9	153.5	97.5	82.8	75.5
62.5°	7078.8	6284.4	2780.3	740.8	238.8	136.5	121.8	146.2	87.7	73.1	68.2
65°	6949.6	6116.2	2653.6	694.5	216.9	119.4	104.8	112.1	78.0	63.4	58.5
67.5°	6718.1	5592.3	2373.4	638.4	214.4	104.8	90.2	82.8	68.2	56.0	51.2
70°	6347.7	4885.7	1976.2	575.1	209.6	95.0	80.4	70.7	60.9	48.7	43.9
72.5°	5114.7	4035.3	1622.9	538.5	204.7	82.8	68.2	60.9	51.2	41.4	36.6
75°	3543.0	2578.1	1250.1	460.5	199.8	75.5	63.4	53.6	43.9	34.1	31.7
77.5°	2124.8	1722.8	806.6	346.0	131.6	60.9	53.6	41.4	36.6	29.2	26.8
80°	994.2	813.9	326.5	134.0	63.4	43.9	36.6	31.7	29.2	24.4	21.9
82.5°	389.9	343.6	158.4	78.0	51.2	34.1	29.2	26.8	24.4	19.5	17.1
85°	209.6	185.2	75.5	53.6	36.6	24.4	24.4	21.9	19.5	17.1	14.6
87.5°	46.3	34.1	31.7	31.7	26.8	19.5	19.5	17.1	14.6	12.2	9.7
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: P599433
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9
2.5°	3011.8	3048.4	2989.9	3026.4	2975.3	3014.3	3019.1	2982.6	2992.3	3041.1	3063.0
5°	2565.9	2541.5	2487.9	2470.9	2473.3	2441.6	2453.8	2470.9	2497.7	2512.3	2556.1
7.5°	1849.5	1905.5	1903.1	1944.5	1947.0	1942.1	1908.0	1834.9	1859.2	1839.7	1864.1
10°	1323.2	1347.5	1393.8	1420.6	1469.4	1442.6	1364.6	1335.3	1320.7	1318.3	1342.6
12.5°	1057.5	999.1	994.2	1003.9	1028.3	996.6	957.6	923.5	940.6	974.7	1001.5
15°	818.7	770.0	706.7	696.9	701.8	687.2	645.7	601.9	614.1	648.2	667.7
17.5°	628.7	572.6	528.8	499.5	489.8	438.6	377.7	341.1	331.4	329.0	346.0
20°	424.0	414.2	406.9	370.4	370.4	297.3	246.1	219.3	219.3	224.2	226.6
22.5°	316.8	304.6	307.0	299.7	280.2	221.7	194.9	187.6	187.6	192.5	192.5
25°	275.4	258.3	253.4	251.0	231.5	190.1	170.6	163.3	163.3	168.1	168.1
27.5°	233.9	229.1	221.7	212.0	194.9	163.3	151.1	143.8	146.2	148.6	146.2
30°	214.4	202.3	192.5	192.5	173.0	146.2	136.5	131.6	126.7	131.6	134.0
32.5°	190.1	182.8	177.9	170.6	148.6	129.1	119.4	114.5	112.1	112.1	114.5
35°	163.3	163.3	158.4	148.6	129.1	117.0	104.8	99.9	97.5	99.9	99.9
37.5°	146.2	138.9	141.3	131.6	114.5	102.3	90.2	85.3	85.3	82.8	85.3
40°	136.5	124.3	117.0	112.1	102.3	87.7	78.0	73.1	70.7	70.7	70.7
42.5°	121.8	112.1	97.5	95.0	92.6	75.5	63.4	60.9	58.5	56.0	56.0
45°	114.5	99.9	87.7	75.5	75.5	63.4	53.6	48.7	46.3	43.9	46.3
47.5°	104.8	90.2	75.5	63.4	60.9	51.2	41.4	36.6	34.1	34.1	34.1
50°	99.9	80.4	65.8	53.6	46.3	41.4	31.7	26.8	24.4	24.4	24.4
52.5°	92.6	75.5	58.5	46.3	36.6	31.7	24.4	19.5	17.1	17.1	17.1
55°	82.8	68.2	51.2	39.0	31.7	24.4	17.1	12.2	9.7	9.7	9.7
57.5°	78.0	60.9	43.9	34.1	24.4	17.1	9.7	7.3	7.3	4.9	7.3
60°	70.7	53.6	36.6	26.8	19.5	12.2	7.3	2.4	2.4	2.4	2.4
62.5°	60.9	46.3	31.7	21.9	14.6	7.3	2.4	0.0	0.0	0.0	0.0
65°	51.2	36.6	24.4	17.1	9.7	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	43.9	31.7	19.5	12.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	39.0	26.8	14.6	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	31.7	21.9	12.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	26.8	17.1	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	21.9	12.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.1	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	2.4	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: P599433
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9	3430.9
2.5°	3094.7	3080.0	3153.2	3272.6	3333.5	3452.9	3482.1	3557.7	3538.2	3565.0
5°	2561.0	2590.3	2697.5	2872.9	2936.3	3109.3	3272.6	3435.8	3540.6	3591.8
7.5°	1900.7	1998.1	2129.7	2290.5	2453.8	2680.4	2958.2	3148.3	3250.6	3360.3
10°	1415.8	1520.5	1671.6	1830.0	2095.6	2349.0	2626.8	2863.2	2950.9	3053.2
12.5°	1113.6	1276.9	1452.3	1622.9	1781.3	2022.5	2366.1	2709.7	2804.7	2882.7
15°	774.9	974.7	1225.7	1447.4	1669.2	1878.7	2234.5	2651.2	2780.3	2911.9
17.5°	428.9	587.3	874.8	1186.7	1513.2	1834.9	2278.4	2758.4	2953.3	3045.9
20°	248.5	311.9	516.6	887.0	1318.3	1739.8	2300.3	2960.6	3218.9	3265.2
22.5°	204.7	226.6	292.4	555.6	1079.5	1678.9	2412.4	3243.3	3506.5	3616.1
25°	175.4	192.5	226.6	333.8	816.3	1549.8	2483.0	3596.6	3840.3	3959.7
27.5°	156.0	173.0	199.8	246.1	555.6	1371.9	2600.0	3915.9	4159.5	4322.8
30°	136.5	151.1	177.9	209.6	385.0	1172.1	2699.9	4149.8	4493.4	4544.5
32.5°	121.8	134.0	153.5	180.3	285.1	889.4	2780.3	4391.0	4681.0	4793.1
35°	104.8	119.4	131.6	153.5	216.9	670.1	2731.6	4578.6	4956.3	5090.4
37.5°	92.6	102.3	114.5	129.1	182.8	523.9	2631.7	4802.8	5192.7	5317.0
40°	78.0	85.3	99.9	114.5	165.7	404.5	2517.2	5073.3	5524.1	5743.4
42.5°	65.8	73.1	82.8	107.2	136.5	299.7	2285.7	5282.9	5792.1	5977.3
45°	51.2	60.9	75.5	107.2	109.7	221.7	2046.9	5438.8	5943.2	6035.8
47.5°	39.0	48.7	73.1	92.6	87.7	153.5	1764.2	5616.7	6099.2	6184.5
50°	29.2	39.0	82.8	80.4	73.1	117.0	1586.3	5741.0	6108.9	6155.2
52.5°	19.5	29.2	68.2	60.9	60.9	102.3	1537.6	5736.1	6133.3	6033.4
55°	14.6	21.9	39.0	43.9	53.6	90.2	1493.7	5918.9	6140.6	6211.3
57.5°	9.7	17.1	26.8	34.1	46.3	78.0	1403.6	6138.2	6367.2	6403.8
60°	4.9	12.2	19.5	26.8	39.0	68.2	1276.9	6299.0	6642.6	6681.6
62.5°	2.4	7.3	14.6	21.9	31.7	53.6	1145.3	6043.1	6523.2	6591.4
65°	0.0	4.9	9.7	14.6	19.5	39.0	930.8	5455.9	6050.4	6301.4
67.5°	0.0	0.0	4.9	9.7	12.2	29.2	701.8	4963.7	5614.3	5955.4
70°	0.0	0.0	2.4	2.4	7.3	21.9	448.4	4110.8	5012.4	5200.0
72.5°	0.0	0.0	0.0	0.0	2.4	14.6	260.7	3053.2	3928.0	4276.5
75°	0.0	0.0	0.0	0.0	0.0	12.2	131.6	1964.0	2734.0	3201.9
77.5°	0.0	0.0	0.0	0.0	0.0	9.7	70.7	1267.1	2015.2	2407.5
80°	0.0	0.0	0.0	0.0	0.0	2.4	41.4	735.9	1289.0	1562.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	17.1	360.6	770.0	901.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	192.5	385.0	506.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	26.8	51.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)