

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: P599172

Luminaire Tested: **IFLD-S-SA3A-730-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: P599172
 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-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

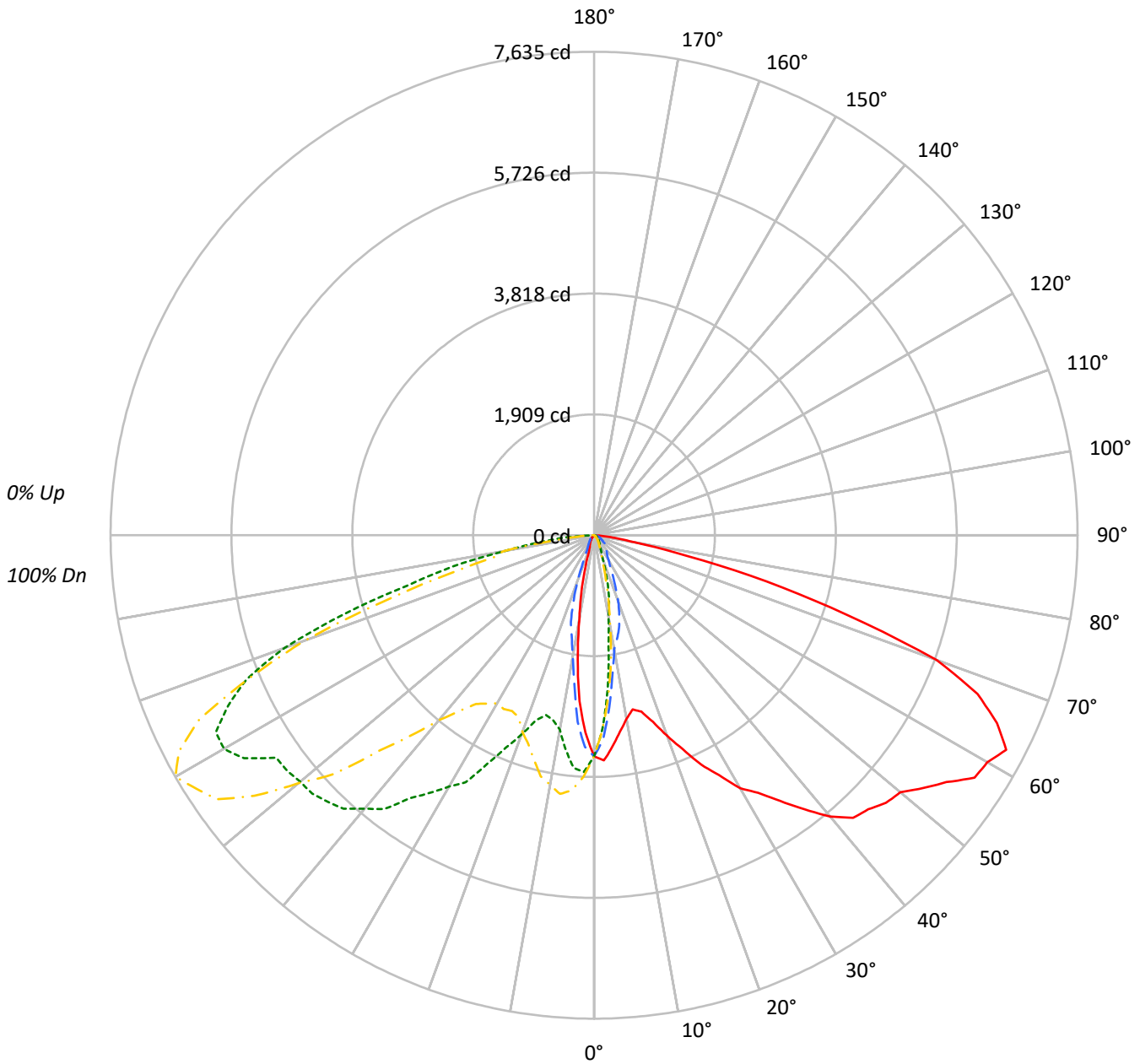
Lumens per Lamp: N/A
 Luminaire Lumens: 9126.0 lumens
 Efficiency: N/A
 Efficacy: 96.3 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 94.8
 Input Voltage (V): 120
 Input Current (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	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°	50071	50071	50071	50071
5°	48206	35233	37927	53133
10°	42920	19183	19433	45429
15°	42845	12794	7823	43649
20°	51444	6389	3119	51143
25°	63274	4013	2415	62962
30°	76451	3222	1835	75962
35°	89706	2586	1423	88800
40°	108602	2213	922	105606
45°	124246	1997	499	120799
50°	140963	1922	109	135193
55°	170038	1847	0	153293
60°	205866	1553	0	193647
65°	238378	1253	0	216655
70°	241383	1032	0	218463
75°	156218	682	0	167541
80°	53276	207	0	118552
85°	26742	0	0	87110

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.3	2.9
10°-20°	511.7	5.6
20°-30°	712.7	7.8
30°-40°	1012.7	11.1
40°-50°	1404.4	15.4
50°-60°	1913.5	21.0
60°-70°	2103.8	23.1
70°-80°	1034.0	11.3
80°-90°	168.9	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°	1488.8	16.3
0°-40°	2501.5	27.4
0°-60°	5819.4	63.8
0°-90°	9126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9126.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3489	3489	3489	3489	3489	
5°	3346	2446	2633	3688	3346	306
15°	2884	861	526	2938	2884	854
25°	3996	253	152	3976	3996	1858
35°	5120	148	81	5068	5120	3250
45°	6122	98	25	5952	6122	4745
55°	6796	74	0	6126	6796	6113
65°	7020	37	0	6380	7020	6784
75°	2817	12	0	3021	2817	3071
85°	162	0	0	529	162	225
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°	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8
2.5°	3560.2	3602.0	3562.7	3424.9	3400.3	3333.8	3233.0	3225.6	3119.8	3132.1	3075.5
5°	3346.1	3388.0	3304.3	3122.2	2952.5	2817.2	2736.0	2590.8	2558.8	2487.5	2487.5
7.5°	3127.2	3124.7	2982.0	2829.5	2576.0	2327.5	2214.4	2005.2	1882.2	1815.8	1751.8
10°	2945.1	2905.7	2817.2	2502.2	2226.7	1968.3	1828.1	1690.3	1562.4	1451.6	1340.9
12.5°	2817.2	2841.8	2701.5	2359.5	2002.8	1823.2	1673.1	1527.9	1375.4	1249.9	1126.9
15°	2883.6	2844.2	2679.4	2327.5	1965.9	1719.8	1520.5	1343.4	1173.6	1008.8	915.3
17.5°	3090.3	2989.4	2795.0	2327.5	1889.6	1562.4	1321.2	1112.1	930.0	782.4	666.8
20°	3368.3	3252.6	3043.5	2413.7	1833.0	1446.7	1117.0	853.8	664.3	526.5	438.0
22.5°	3653.7	3562.7	3247.7	2448.1	1766.6	1291.7	880.8	617.6	442.9	354.3	310.0
25°	3995.7	3867.7	3523.3	2585.9	1668.2	1141.6	693.8	430.6	329.7	282.9	255.9
27.5°	4268.8	4246.6	3781.6	2669.5	1594.3	1018.6	548.7	342.0	273.1	238.7	221.4
30°	4613.2	4492.7	4096.6	2836.8	1510.7	878.4	457.6	307.5	251.0	214.1	201.8
32.5°	4819.9	4763.3	4261.4	2930.3	1417.2	762.7	393.7	270.6	228.8	201.8	189.5
35°	5120.1	5006.9	4497.6	2989.4	1368.0	696.3	354.3	246.0	191.9	164.8	150.1
37.5°	5454.7	5412.9	4780.6	2986.9	1296.6	656.9	327.2	228.8	182.1	152.5	135.3
40°	5796.7	5626.9	4952.8	3055.8	1259.7	627.4	307.5	219.0	172.2	145.2	123.0
42.5°	6052.6	5858.2	5152.1	3031.2	1215.4	575.7	300.2	204.2	164.8	132.9	113.2
45°	6121.5	6052.6	5331.7	3023.8	1183.5	533.9	287.9	201.8	159.9	125.5	105.8
47.5°	6254.3	6207.6	5553.1	3036.1	1158.8	501.9	258.3	206.7	152.5	118.1	100.9
50°	6313.4	6229.7	5732.7	3065.7	1102.3	462.6	231.3	216.5	150.1	115.6	96.0
52.5°	6557.0	6483.2	5978.8	3149.3	1055.5	410.9	204.2	206.7	155.0	108.3	91.0
55°	6795.6	6712.0	6357.7	3341.2	989.1	369.1	174.7	182.1	147.6	98.4	81.2
57.5°	7122.9	6985.1	6611.1	3420.0	930.0	312.5	155.0	150.1	137.8	88.6	71.4
60°	7172.1	7228.7	6574.2	3370.7	868.5	275.6	135.3	115.6	147.6	78.7	61.5
62.5°	7336.9	7100.7	6402.0	3257.6	824.2	253.4	120.6	96.0	127.9	68.9	51.7
65°	7019.5	6844.8	5998.5	2893.4	767.6	255.9	105.8	78.7	81.2	56.6	41.8
67.5°	6554.5	6416.7	5329.2	2497.3	711.1	251.0	93.5	68.9	61.5	49.2	36.9
70°	5752.4	5454.7	4527.1	2027.4	627.4	233.7	78.7	61.5	51.7	39.4	27.1
72.5°	4185.1	4064.6	3247.7	1567.3	563.4	211.6	73.8	51.7	44.3	29.5	22.1
75°	2817.2	2617.9	2049.5	1028.4	452.7	184.5	61.5	46.7	34.4	22.1	17.2
77.5°	1488.5	1407.3	1161.3	489.6	251.0	86.1	34.4	27.1	19.7	17.2	9.8
80°	644.6	573.3	501.9	199.3	88.6	39.4	22.1	14.8	12.3	9.8	4.9
82.5°	329.7	314.9	260.8	86.1	51.7	29.5	12.3	9.8	7.4	4.9	2.5
85°	162.4	167.3	137.8	27.1	29.5	17.2	2.5	2.5	0.0	0.0	0.0
87.5°	12.3	12.3	9.8	4.9	7.4	2.5	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°	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8
2.5°	3053.4	3087.8	3028.8	3065.7	3048.4	3055.8	3063.2	3043.5	3048.4	3117.3	3119.8
5°	2445.6	2512.1	2487.5	2521.9	2581.0	2551.4	2578.5	2573.6	2578.5	2588.3	2632.6
7.5°	1744.4	1724.7	1771.5	1862.5	1968.3	2032.3	2000.3	1983.1	1973.2	1948.6	1978.2
10°	1316.3	1306.5	1294.2	1321.2	1390.1	1461.5	1500.8	1434.4	1397.5	1350.8	1333.5
12.5°	1092.4	1030.9	996.5	954.6	974.3	1038.3	1040.7	976.8	917.7	893.1	920.2
15°	861.1	819.3	757.8	698.8	669.2	718.4	676.6	615.1	538.8	529.0	526.5
17.5°	615.1	590.5	546.2	521.6	487.2	474.9	430.6	337.1	282.9	268.2	273.1
20°	418.3	398.6	396.1	374.0	359.2	349.4	278.0	216.5	199.3	201.8	204.2
22.5°	310.0	300.2	287.9	285.4	273.1	260.8	204.2	182.1	169.8	169.8	177.1
25°	253.4	248.5	236.2	231.3	226.4	209.1	172.2	155.0	150.1	145.2	152.5
27.5°	216.5	214.1	206.7	199.3	194.4	177.1	150.1	135.3	130.4	130.4	130.4
30°	194.4	194.4	184.5	169.8	169.8	150.1	127.9	118.1	113.2	113.2	110.7
32.5°	182.1	177.1	164.8	155.0	147.6	127.9	113.2	103.3	96.0	96.0	98.4
35°	147.6	147.6	145.2	137.8	127.9	108.3	96.0	86.1	81.2	78.7	81.2
37.5°	130.4	123.0	113.2	115.6	110.7	93.5	81.2	73.8	66.4	66.4	66.4
40°	118.1	110.7	100.9	93.5	91.0	83.7	71.4	59.0	51.7	49.2	49.2
42.5°	105.8	100.9	86.1	73.8	71.4	71.4	54.1	44.3	36.9	36.9	36.9
45°	98.4	91.0	78.7	64.0	51.7	54.1	44.3	32.0	27.1	24.6	24.6
47.5°	93.5	86.1	68.9	54.1	39.4	39.4	32.0	22.1	17.2	14.8	14.8
50°	86.1	78.7	61.5	44.3	29.5	24.6	19.7	12.3	7.4	4.9	4.9
52.5°	81.2	73.8	54.1	36.9	24.6	17.2	12.3	2.5	0.0	0.0	0.0
55°	73.8	64.0	46.7	29.5	19.7	9.8	2.5	0.0	0.0	0.0	0.0
57.5°	64.0	56.6	36.9	22.1	12.3	2.5	0.0	0.0	0.0	0.0	0.0
60°	54.1	46.7	29.5	17.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	44.3	39.4	22.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	36.9	29.5	17.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	32.0	24.6	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	24.6	17.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	17.2	12.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	12.3	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.5	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°	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8
2.5°	3129.6	3203.4	3272.3	3292.0	3346.1	3496.2	3496.2	3567.6	3695.5	3742.3	3752.1
5°	2640.0	2718.7	2733.5	2886.0	2957.4	3109.9	3210.8	3451.9	3597.1	3688.1	3744.7
7.5°	2007.7	2034.7	2091.3	2234.0	2374.3	2558.8	2750.7	3058.3	3314.2	3417.5	3609.4
10°	1380.3	1461.5	1584.5	1712.4	1931.4	2135.6	2384.1	2674.5	2989.4	3117.3	3282.2
12.5°	930.0	1043.2	1240.0	1422.1	1623.9	1830.5	2066.7	2455.5	2812.2	2989.4	3154.2
15°	543.7	681.5	851.3	1146.5	1414.7	1646.0	1882.2	2275.9	2708.9	2937.7	3139.5
17.5°	275.6	317.4	457.6	713.5	1067.8	1446.7	1798.6	2300.5	2787.6	3068.1	3235.4
20°	206.7	219.0	258.3	378.9	730.7	1195.8	1719.8	2337.4	3006.6	3348.6	3439.6
22.5°	179.6	189.5	206.7	246.0	410.9	915.3	1609.1	2428.4	3304.3	3626.6	3818.5
25°	152.5	162.4	177.1	201.8	263.3	622.5	1473.8	2524.4	3570.0	3976.0	4155.6
27.5°	132.9	140.2	155.0	174.7	214.1	396.1	1240.0	2652.3	3976.0	4399.2	4445.9
30°	113.2	120.6	132.9	155.0	182.1	280.5	910.3	2669.5	4199.9	4583.7	4714.1
32.5°	98.4	100.9	115.6	135.3	152.5	221.4	639.7	2686.8	4364.7	4822.4	4849.4
35°	81.2	86.1	100.9	113.2	132.9	174.7	484.7	2600.6	4578.8	5068.4	5061.0
37.5°	66.4	73.8	83.7	93.5	108.3	147.6	386.3	2440.7	4847.0	5449.8	5218.5
40°	51.7	59.0	68.9	81.2	91.0	132.9	290.3	2199.6	5127.5	5636.8	5390.7
42.5°	36.9	41.8	51.7	64.0	81.2	110.7	209.1	1914.2	5238.2	5855.7	5597.4
45°	27.1	32.0	39.4	54.1	83.7	88.6	145.2	1653.4	5356.3	5951.7	5550.7
47.5°	14.8	19.7	29.5	46.7	73.8	66.4	103.3	1419.7	5491.6	6037.8	5587.6
50°	4.9	7.4	17.2	49.2	59.0	51.7	81.2	1294.2	5624.5	6055.0	5661.4
52.5°	0.0	0.0	9.8	51.7	44.3	39.4	71.4	1245.0	5590.0	6109.2	5614.6
55°	0.0	0.0	2.5	22.1	24.6	29.5	59.0	1242.5	5833.6	6126.4	5870.5
57.5°	0.0	0.0	0.0	7.4	14.8	24.6	51.7	1163.8	5988.6	6554.5	6215.0
60°	0.0	0.0	0.0	2.5	9.8	17.2	39.4	1094.9	6146.1	6746.4	6584.0
62.5°	0.0	0.0	0.0	0.0	2.5	7.4	27.1	989.1	5828.7	6731.7	6940.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	17.2	782.4	5243.1	6379.8	6744.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.8	541.3	4591.1	5936.9	6382.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	327.2	3705.4	5206.2	5412.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.2	2644.9	4133.5	4441.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.6	1636.2	3021.4	3400.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	1060.4	2288.2	2581.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	565.9	1434.4	1668.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	246.0	871.0	1003.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.7	529.0	602.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.2	108.3
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: P599172
 CATALOG NUMBER: IFLD-S-SA3A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8	3488.8
2.5°	3757.0	3828.4	3855.4	3813.6	3818.5	3732.4	3720.1	3599.6	3550.4	3560.2
5°	3929.3	4032.6	4089.2	4042.4	3936.6	3771.8	3621.7	3479.0	3390.4	3346.1
7.5°	3889.9	4005.5	4076.9	4121.2	4000.6	3734.9	3506.1	3237.9	3124.7	3127.2
10°	3673.4	3914.5	4059.7	4003.1	3946.5	3680.8	3326.5	3036.1	2935.3	2945.1
12.5°	3498.7	3766.9	3853.0	3897.3	3781.6	3570.0	3331.4	2999.2	2886.0	2817.2
15°	3390.4	3589.7	3594.6	3663.5	3616.8	3616.8	3383.0	3058.3	2959.9	2883.6
17.5°	3390.4	3434.7	3429.8	3454.4	3533.1	3626.6	3513.4	3296.9	3102.6	3090.3
20°	3466.7	3328.9	3296.9	3306.8	3373.2	3651.2	3801.3	3530.7	3407.7	3368.3
22.5°	3643.9	3341.2	3146.8	3112.4	3316.6	3648.8	3985.8	3899.7	3685.7	3653.7
25°	3887.4	3319.1	3107.5	3063.2	3218.2	3737.3	4239.3	4256.5	4062.1	3995.7
27.5°	4118.7	3417.5	3102.6	3092.7	3296.9	3717.7	4414.0	4541.9	4322.9	4268.8
30°	4197.4	3515.9	3193.6	3063.2	3326.5	3789.0	4409.0	4743.6	4600.9	4613.2
32.5°	4290.9	3614.3	3203.4	3151.8	3451.9	3904.7	4549.3	5068.4	4965.1	4819.9
35°	4428.7	3747.2	3296.9	3250.2	3540.5	4008.0	4578.8	5307.1	5289.9	5120.1
37.5°	4546.8	3877.6	3491.3	3498.7	3811.2	4175.3	4709.2	5599.9	5570.3	5454.7
40°	4630.5	4059.7	3793.9	3813.6	4047.4	4362.3	4940.5	5747.5	5966.5	5796.7
42.5°	4642.8	4222.0	4140.9	4298.3	4517.3	4652.6	5034.0	5848.4	6163.3	6052.6
45°	4689.5	4480.4	4706.7	4822.4	5002.0	4908.5	5029.1	6020.6	6178.1	6121.5
47.5°	4871.6	4950.3	5235.7	5587.6	5651.5	5344.0	5147.2	6047.7	6261.7	6254.3
50°	5061.0	5454.7	5855.7	6089.5	6170.7	5644.2	5257.9	6025.5	6372.4	6313.4
52.5°	5272.6	5892.7	6470.8	6758.7	6714.4	5976.3	5383.4	6205.1	6576.6	6557.0
55°	5405.5	6089.5	6867.0	7268.0	7233.6	6347.8	5781.9	6463.5	6844.8	6795.6
57.5°	5757.3	6409.3	7260.6	7447.6	7538.7	6835.0	6060.0	6886.7	7068.7	7122.9
60°	6047.7	6618.5	7364.0	7634.6	7666.6	7125.3	6547.1	7322.1	7354.1	7172.1
62.5°	6473.3	6699.7	7145.0	7388.6	7553.4	7290.2	6985.1	7555.9	7349.2	7336.9
65°	6785.8	6433.9	6736.6	6871.9	6977.7	7039.2	7425.5	7715.8	7258.2	7019.5
67.5°	6611.1	5932.0	5875.4	5882.8	5914.8	6286.3	7277.9	7324.6	6751.3	6554.5
70°	5818.8	4866.7	4790.4	4849.4	4689.5	5137.3	6680.0	6657.8	5956.6	5752.4
72.5°	4706.7	3547.9	3417.5	3498.7	3535.6	4010.4	5619.6	5048.7	4345.1	4185.1
75°	3739.8	2600.6	2194.7	2391.5	2517.0	2920.5	4389.4	3429.8	3033.7	2817.2
77.5°	2937.7	1968.3	1707.5	1628.8	1744.4	2123.3	3193.6	1801.0	1589.4	1488.5
80°	1862.5	1446.7	1569.7	1456.6	1505.8	1515.6	1663.2	819.3	652.0	644.6
82.5°	1121.9	989.1	1176.1	647.1	1178.5	1053.1	691.4	371.5	329.7	329.7
85°	794.7	612.6	406.0	263.3	524.1	578.2	268.2	191.9	167.3	162.4
87.5°	398.6	189.5	91.0	59.0	66.4	108.3	32.0	14.8	14.8	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)