

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: P599554

Luminaire Tested: **IFLD-S-SA6A-760-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599554
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6A-760-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (96) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

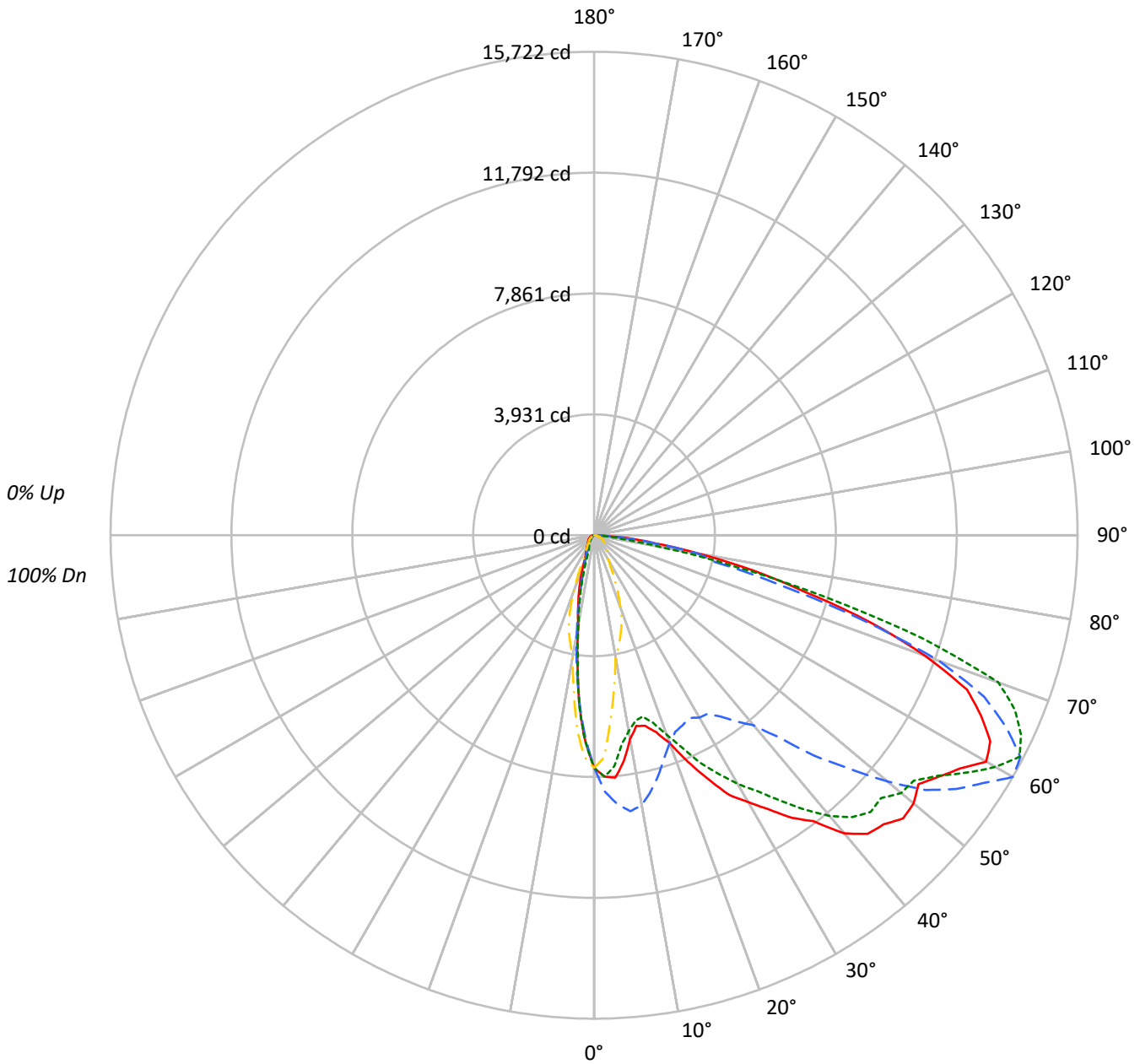
Lumens per Lamp: N/A
 Luminaire Lumens: 20108.0 lumens
 Efficiency: N/A
 Efficacy: 106.1 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 189.6
 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

TEST NUMBER: P599554
CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-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	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	100	100		
	1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	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	61	61		
	3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	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	39	39		
	5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	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	27	27		
	7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	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	20	20		
	9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	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	16	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54254	54254	54254	54254
5°	57014	54267	39647	39878
10°	49026	47148	21676	21168
15°	47670	45317	14082	10611
20°	54947	52650	7545	3772
25°	69088	64624	4889	2934
30°	82980	77330	3960	2403
35°	98265	92197	3246	1929
40°	118558	111617	2867	1459
45°	134979	129094	2670	981
50°	151422	145548	2638	599
55°	171239	170635	2620	269
60°	211311	216320	2390	78
65°	235779	260031	2189	0
70°	240418	293481	2029	0
75°	195624	216469	1935	0
80°	142235	90534	1996	0
85°	91960	38022	2651	0

TEST NUMBER: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.4	2.9
10°-20°	1126.3	5.6
20°-30°	1558.6	7.8
30°-40°	2202.7	11.0
40°-50°	2999.1	14.9
50°-60°	3972.1	19.8
60°-70°	4611.9	22.9
70°-80°	2611.7	13.0
80°-90°	451.3	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°	3259.3	16.2
0°-40°	5462.0	27.2
0°-60°	12433.2	61.8
0°-90°	20108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20108.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7560	7560	7560	7560	7560	
5°	7915	7534	5504	5536	7915	711
15°	6417	6100	1896	1428	6417	1882
25°	8726	8162	618	370	8726	4070
35°	11217	10524	370	220	11217	7071
45°	13301	12721	263	97	13301	10312
55°	13687	13639	209	22	13687	12401
65°	13886	15314	129	0	13886	13536
75°	7056	7808	70	0	7056	7701
85°	1117	462	32	0	1117	1342
90°	0	0	0	0	0	

TEST NUMBER: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5
2.5°	7855.8	8022.3	8027.6	8102.8	8178.0	8178.0	8355.2	8312.2	8156.5	8129.7	8016.9
5°	7914.9	7973.9	8016.9	8398.1	8720.3	8688.1	8784.7	8720.3	8419.6	8033.0	7769.9
7.5°	7404.7	7469.2	7641.0	8290.7	8725.7	8870.7	9053.2	8650.5	8333.7	7635.6	7130.9
10°	6728.2	6851.7	7168.5	7909.5	8446.5	8908.3	8908.3	8586.1	7973.9	7292.0	6674.5
12.5°	6352.3	6599.3	6771.1	7522.9	8220.9	8537.7	8527.0	8355.2	7957.8	7098.7	6400.6
15°	6416.7	6486.5	6851.7	7437.0	7898.8	7882.6	8076.0	8022.3	7743.0	7270.5	6502.6
17.5°	6712.1	6819.5	7136.3	7437.0	7657.1	7592.7	7587.3	7845.1	7861.2	7560.5	6883.9
20°	7195.3	7512.1	7662.5	7753.8	7485.3	7211.4	7179.2	7539.0	7818.2	7931.0	7340.3
22.5°	7968.6	8178.0	8484.0	8016.9	7318.8	6975.2	6910.7	7308.1	7871.9	8371.3	7931.0
25°	8725.7	8886.8	9182.1	8580.7	7506.8	6926.9	6814.1	7157.7	8076.0	8983.4	8645.1
27.5°	9525.8	9665.4	9697.6	8994.2	7608.8	6830.2	6696.0	7157.7	8247.8	9305.6	9498.9
30°	10014.4	10180.9	10213.1	9359.3	7775.3	6910.7	6846.3	7190.0	8365.9	9579.5	10111.1
32.5°	10562.1	10605.1	10578.2	9423.7	7957.8	7147.0	6878.5	7404.7	8500.2	9907.0	10669.5
35°	11217.2	11292.4	11018.5	9719.1	8365.9	7297.4	7200.7	7667.9	8731.1	10057.4	11346.1
37.5°	11716.6	11952.8	11335.3	9831.8	8446.5	7614.2	7630.3	8215.6	8892.1	10239.9	12092.5
40°	12656.3	12258.9	11872.3	10218.4	8752.5	8151.1	8065.2	8779.4	9434.5	10358.1	12581.1
42.5°	13171.8	12962.3	12081.7	10256.0	9225.1	8892.1	8913.6	9418.4	9719.1	10691.0	12715.3
45°	13300.6	13080.5	12366.3	10282.9	9692.2	9767.4	10137.9	10234.6	10137.9	10911.1	12967.7
47.5°	13628.2	13150.3	12334.1	10642.6	10449.3	10739.3	11211.8	11421.2	10707.1	10830.6	13085.8
50°	13563.7	13289.9	12264.3	10793.0	11372.9	12140.8	12457.6	12371.7	11340.7	10664.1	12957.0
52.5°	13295.3	12999.9	12479.1	11201.1	12237.4	13166.4	13606.7	13391.9	11904.5	11040.0	12871.1
55°	13687.2	13461.7	12758.3	11754.2	12887.2	14068.5	14379.9	14218.8	12597.2	11389.0	13359.7
57.5°	14111.4	14063.1	13515.4	12403.9	13655.0	14997.4	14997.4	14798.8	13198.6	11893.8	14084.6
60°	14723.6	14831.0	14073.9	12833.5	13918.1	14943.7	15722.3	15491.4	13805.4	12779.8	14906.2
62.5°	14524.9	14868.6	14793.4	13757.0	14218.8	15206.9	15631.1	15802.9	14557.1	13859.1	16001.6
65°	13885.9	14251.1	14788.0	14363.8	13993.3	14567.9	14782.7	15303.5	14933.0	14873.9	16452.6
67.5°	13123.4	13520.8	13853.7	14771.9	13536.9	13918.1	13730.2	13896.7	14524.9	15985.5	16710.4
70°	11458.8	11840.1	12366.3	13864.4	12328.7	11985.1	11936.7	11856.2	12833.5	15588.1	15539.8
72.5°	9423.7	9600.9	10470.8	11270.9	9123.0	9058.6	9133.8	9042.5	10175.5	14111.4	13311.4
75°	7055.7	7232.9	7726.9	8655.9	6212.7	5842.2	6271.8	6696.0	7769.9	10954.1	9563.3
77.5°	5305.2	5530.7	5842.2	6475.8	4558.8	3978.9	4038.0	4440.7	5616.7	8774.0	5358.9
80°	3441.9	3415.1	4016.5	4456.8	3431.2	3538.6	3388.3	3683.6	4070.2	4693.1	2738.5
82.5°	1986.8	2013.6	2266.0	2556.0	2389.5	2733.2	1970.7	3291.6	2905.0	1911.6	1020.2
85°	1116.9	1165.2	1396.1	1772.0	1498.1	1004.1	821.6	1632.4	1825.7	784.0	494.0
87.5°	112.8	96.7	187.9	671.2	408.1	166.5	247.0	392.0	440.3	295.3	145.0
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: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5
2.5°	7855.8	7855.8	7721.6	7496.0	7404.7	7243.7	7023.5	7093.3	7018.1	6744.3	6674.5
5°	7533.6	7275.9	6996.7	6653.0	6454.3	6046.2	5917.4	5686.5	5724.0	5493.2	5503.9
7.5°	6862.4	6658.4	6185.8	5734.8	5342.8	4988.4	4489.0	4301.1	4118.5	4027.2	4134.6
10°	6470.4	6089.2	5444.8	4854.2	4333.3	4016.5	3683.6	3425.8	3189.6	3012.4	2974.8
12.5°	6185.8	5847.6	5069.0	4349.4	3941.3	3683.6	3377.5	3023.1	2792.2	2486.1	2394.9
15°	6099.9	5686.5	4864.9	4150.7	3753.4	3329.2	2980.2	2631.1	2330.4	2008.2	1895.5
17.5°	6395.3	5917.4	4859.5	3989.7	3431.2	2974.8	2491.5	2099.5	1793.5	1498.1	1428.3
20°	6894.6	6164.4	5015.3	3893.0	3125.1	2513.0	1965.3	1573.3	1229.7	1036.3	988.0
22.5°	7463.8	6583.2	5031.4	3635.3	2819.1	2051.2	1433.7	1036.3	843.0	751.8	724.9
25°	8161.9	7254.4	5224.7	3425.8	2459.3	1557.2	1020.2	794.7	681.9	628.2	617.5
27.5°	8736.4	7721.6	5434.1	3205.7	2104.9	1154.5	800.1	649.7	590.7	537.0	531.6
30°	9332.5	8258.5	5493.2	3071.4	1798.8	950.4	687.3	574.6	510.1	483.3	477.9
32.5°	9853.3	8843.8	5681.1	2851.3	1508.9	837.7	622.9	515.5	472.5	429.6	424.2
35°	10524.5	9182.1	5772.4	2733.2	1401.5	757.1	569.2	472.5	408.1	381.2	370.5
37.5°	11244.1	9509.7	5831.4	2641.9	1310.2	708.8	537.0	445.7	386.6	349.0	338.3
40°	11915.3	9971.4	5745.5	2529.1	1240.4	649.7	515.5	413.5	359.8	322.2	306.1
42.5°	12430.7	10422.5	5718.7	2421.7	1165.2	628.2	488.6	397.4	338.3	295.3	290.0
45°	12720.7	10728.6	5530.7	2335.8	1106.1	639.0	477.9	375.9	322.2	284.6	263.1
47.5°	12650.9	10964.8	5579.1	2309.0	1025.6	596.0	472.5	359.8	295.3	263.1	247.0
50°	13037.5	11442.7	5498.5	2223.0	966.5	537.0	515.5	359.8	290.0	252.4	236.3
52.5°	13101.9	11877.7	5670.4	2067.3	875.3	494.0	510.1	354.4	279.2	241.6	220.2
55°	13638.9	12382.4	6003.3	1981.4	800.1	429.6	467.2	343.7	252.4	220.2	209.4
57.5°	14369.2	13429.5	6218.1	1900.9	698.1	375.9	392.0	338.3	230.9	204.0	187.9
60°	15072.6	13848.3	6234.2	1755.9	601.4	338.3	306.1	338.3	214.8	182.6	166.5
62.5°	15598.8	13848.3	6126.8	1632.4	526.2	300.7	268.5	322.2	193.3	161.1	150.4
65°	15314.2	13477.8	5847.6	1530.4	477.9	263.1	230.9	247.0	171.8	139.6	128.9
67.5°	14804.1	12323.3	5230.0	1406.8	472.5	230.9	198.7	182.6	150.4	123.5	112.8
70°	13987.9	10766.2	4354.8	1267.2	461.8	209.4	177.2	155.7	134.2	107.4	96.7
72.5°	11270.9	8892.1	3576.2	1186.7	451.1	182.6	150.4	134.2	112.8	91.3	80.5
75°	7807.5	5681.1	2754.6	1014.9	440.3	166.5	139.6	118.1	96.7	75.2	69.8
77.5°	4682.3	3796.3	1777.4	762.5	290.0	134.2	118.1	91.3	80.5	64.4	59.1
80°	2190.8	1793.5	719.5	295.3	139.6	96.7	80.5	69.8	64.4	53.7	48.3
82.5°	859.1	757.1	349.0	171.8	112.8	75.2	64.4	59.1	53.7	43.0	37.6
85°	461.8	408.1	166.5	118.1	80.5	53.7	53.7	48.3	43.0	37.6	32.2
87.5°	102.0	75.2	69.8	69.8	59.1	43.0	43.0	37.6	32.2	26.8	21.5
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: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5
2.5°	6636.9	6717.4	6588.6	6669.1	6556.3	6642.3	6653.0	6572.5	6593.9	6701.3	6749.7
5°	5654.2	5600.5	5482.4	5444.8	5450.2	5380.4	5407.2	5444.8	5503.9	5536.1	5632.8
7.5°	4075.6	4199.1	4193.7	4285.0	4290.4	4279.6	4204.4	4043.3	4097.0	4054.1	4107.8
10°	2915.7	2969.4	3071.4	3130.5	3237.9	3178.8	3007.0	2942.6	2910.4	2905.0	2958.7
12.5°	2330.4	2201.6	2190.8	2212.3	2266.0	2196.2	2110.3	2035.1	2072.7	2147.9	2206.9
15°	1804.2	1696.8	1557.2	1535.7	1546.5	1514.2	1423.0	1326.3	1353.2	1428.3	1471.3
17.5°	1385.4	1261.9	1165.2	1100.8	1079.3	966.5	832.3	751.8	730.3	724.9	762.5
20°	934.3	912.8	896.7	816.2	816.2	655.1	542.3	483.3	483.3	494.0	499.4
22.5°	698.1	671.2	676.6	660.5	617.5	488.6	429.6	413.5	413.5	424.2	424.2
25°	606.8	569.2	558.4	553.1	510.1	418.8	375.9	359.8	359.8	370.5	370.5
27.5°	515.5	504.7	488.6	467.2	429.6	359.8	332.9	316.8	322.2	327.5	322.2
30°	472.5	445.7	424.2	424.2	381.2	322.2	300.7	290.0	279.2	290.0	295.3
32.5°	418.8	402.7	392.0	375.9	327.5	284.6	263.1	252.4	247.0	247.0	252.4
35°	359.8	359.8	349.0	327.5	284.6	257.7	230.9	220.2	214.8	220.2	220.2
37.5°	322.2	306.1	311.4	290.0	252.4	225.5	198.7	187.9	187.9	182.6	187.9
40°	300.7	273.9	257.7	247.0	225.5	193.3	171.8	161.1	155.7	155.7	155.7
42.5°	268.5	247.0	214.8	209.4	204.0	166.5	139.6	134.2	128.9	123.5	123.5
45°	252.4	220.2	193.3	166.5	166.5	139.6	118.1	107.4	102.0	96.7	102.0
47.5°	230.9	198.7	166.5	139.6	134.2	112.8	91.3	80.5	75.2	75.2	75.2
50°	220.2	177.2	145.0	118.1	102.0	91.3	69.8	59.1	53.7	53.7	53.7
52.5°	204.0	166.5	128.9	102.0	80.5	69.8	53.7	43.0	37.6	37.6	37.6
55°	182.6	150.4	112.8	85.9	69.8	53.7	37.6	26.8	21.5	21.5	21.5
57.5°	171.8	134.2	96.7	75.2	53.7	37.6	21.5	16.1	16.1	10.7	16.1
60°	155.7	118.1	80.5	59.1	43.0	26.8	16.1	5.4	5.4	5.4	5.4
62.5°	134.2	102.0	69.8	48.3	32.2	16.1	5.4	0.0	0.0	0.0	0.0
65°	112.8	80.5	53.7	37.6	21.5	5.4	0.0	0.0	0.0	0.0	0.0
67.5°	96.7	69.8	43.0	26.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	85.9	59.1	32.2	21.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	69.8	48.3	26.8	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	59.1	37.6	16.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	48.3	26.8	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	37.6	21.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	32.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	5.4	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: P599554
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5	7560.5
2.5°	6819.5	6787.2	6948.3	7211.4	7345.7	7608.8	7673.2	7839.7	7796.7	7855.8
5°	5643.5	5707.9	5944.2	6330.8	6470.4	6851.7	7211.4	7571.2	7802.1	7914.9
7.5°	4188.3	4403.1	4693.1	5047.5	5407.2	5906.6	6518.8	6937.6	7163.1	7404.7
10°	3119.8	3350.7	3683.6	4032.6	4617.9	5176.3	5788.5	6309.3	6502.6	6728.2
12.5°	2453.9	2813.7	3200.3	3576.2	3925.2	4456.8	5213.9	5971.1	6180.5	6352.3
15°	1707.5	2147.9	2700.9	3189.6	3678.2	4140.0	4924.0	5842.2	6126.8	6416.7
17.5°	945.1	1294.1	1927.7	2615.0	3334.6	4043.3	5020.6	6078.4	6508.0	6712.1
20°	547.7	687.3	1138.4	1954.6	2905.0	3833.9	5069.0	6524.1	7093.3	7195.3
22.5°	451.1	499.4	644.4	1224.3	2378.8	3699.7	5316.0	7147.0	7726.9	7968.6
25°	386.6	424.2	499.4	735.6	1798.8	3415.1	5471.7	7925.6	8462.6	8725.7
27.5°	343.7	381.2	440.3	542.3	1224.3	3023.1	5729.4	8629.0	9166.0	9525.8
30°	300.7	332.9	392.0	461.8	848.4	2582.8	5949.6	9144.5	9901.6	10014.4
32.5°	268.5	295.3	338.3	397.4	628.2	1959.9	6126.8	9676.1	10315.1	10562.1
35°	230.9	263.1	290.0	338.3	477.9	1476.7	6019.4	10089.6	10921.9	11217.2
37.5°	204.0	225.5	252.4	284.6	402.7	1154.5	5799.2	10583.6	11442.7	11716.6
40°	171.8	187.9	220.2	252.4	365.1	891.4	5546.8	11179.6	12173.0	12656.3
42.5°	145.0	161.1	182.6	236.3	300.7	660.5	5036.7	11641.4	12763.7	13171.8
45°	112.8	134.2	166.5	236.3	241.6	488.6	4510.5	11985.1	13096.6	13300.6
47.5°	85.9	107.4	161.1	204.0	193.3	338.3	3887.6	12377.0	13440.2	13628.2
50°	64.4	85.9	182.6	177.2	161.1	257.7	3495.6	12650.9	13461.7	13563.7
52.5°	43.0	64.4	150.4	134.2	134.2	225.5	3388.3	12640.2	13515.4	13295.3
55°	32.2	48.3	85.9	96.7	118.1	198.7	3291.6	13042.9	13531.5	13687.2
57.5°	21.5	37.6	59.1	75.2	102.0	171.8	3092.9	13526.2	14030.9	14111.4
60°	10.7	26.8	43.0	59.1	85.9	150.4	2813.7	13880.5	14637.7	14723.6
62.5°	5.4	16.1	32.2	48.3	69.8	118.1	2523.7	13316.7	14374.6	14524.9
65°	0.0	10.7	21.5	32.2	43.0	85.9	2051.2	12022.6	13332.8	13885.9
67.5°	0.0	0.0	10.7	21.5	26.8	64.4	1546.5	10938.0	12371.7	13123.4
70°	0.0	0.0	5.4	5.4	16.1	48.3	988.0	9058.6	11045.4	11458.8
72.5°	0.0	0.0	0.0	0.0	5.4	32.2	574.6	6728.2	8655.9	9423.7
75°	0.0	0.0	0.0	0.0	0.0	26.8	290.0	4327.9	6024.7	7055.7
77.5°	0.0	0.0	0.0	0.0	0.0	21.5	155.7	2792.2	4440.7	5305.2
80°	0.0	0.0	0.0	0.0	0.0	5.4	91.3	1621.6	2840.5	3441.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	37.6	794.7	1696.8	1986.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	10.7	424.2	848.4	1116.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	59.1	112.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)