

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: P599143

Luminaire Tested: **IFLD-S-SA3A-727-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: P599143
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-727-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

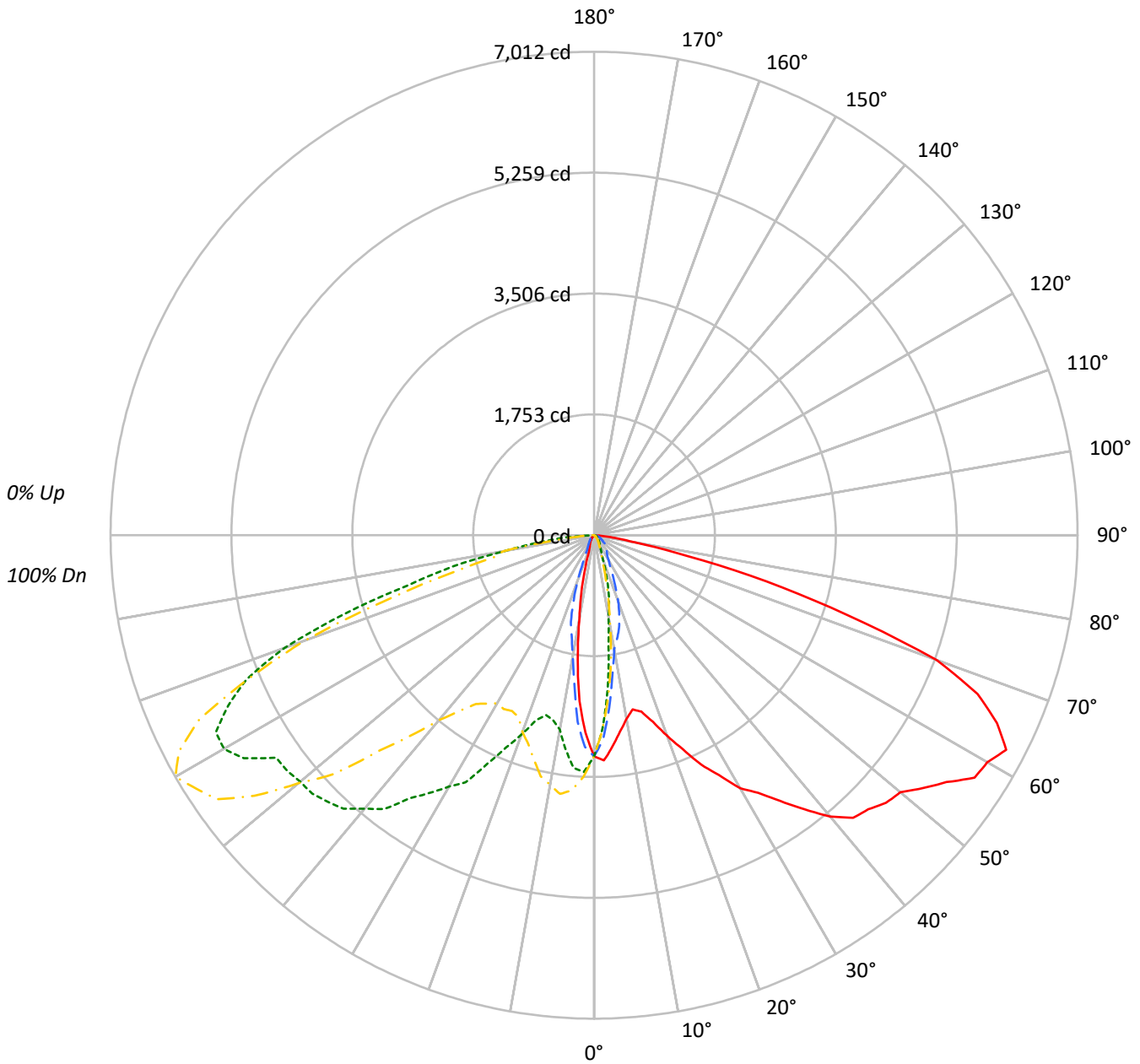
Lumens per Lamp: N/A
 Luminaire Lumens: 8381.3 lumens
 Efficiency: N/A
 Efficacy: 88.4 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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°	45986	45986	45986	45986
5°	44273	32359	34833	48798
10°	39418	17618	17848	41723
15°	39349	11751	7185	40087
20°	47247	5866	2865	46970
25°	58112	3685	2219	57825
30°	70213	2958	1685	69764
35°	82386	2376	1307	81556
40°	99740	2033	847	96988
45°	114108	1835	459	110943
50°	129460	1766	100	124164
55°	156163	1696	0	140785
60°	189069	1427	0	177846
65°	218930	1151	0	198979
70°	221686	948	0	200638
75°	143469	627	0	153867
80°	48928	190	0	108882
85°	24552	0	0	79996

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.7	2.9
10°-20°	470.0	5.6
20°-30°	654.6	7.8
30°-40°	930.1	11.1
40°-50°	1289.8	15.4
50°-60°	1757.4	21.0
60°-70°	1932.1	23.1
70°-80°	949.6	11.3
80°-90°	155.1	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°	1367.3	16.3
0°-40°	2297.4	27.4
0°-60°	5344.5	63.8
0°-90°	8381.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8381.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3204	3204	3204	3204	3204	
5°	3073	2246	2418	3387	3073	281
15°	2648	791	484	2698	2648	784
25°	3670	233	140	3652	3670	1706
35°	4702	136	75	4655	4702	2985
45°	5622	90	23	5466	5622	4358
55°	6241	68	0	5626	6241	5614
65°	6447	34	0	5859	6447	6230
75°	2587	11	0	2775	2587	2821
85°	149	0	0	486	149	206
90°	0	0	0	0	0	

TEST NUMBER: P599143
 CATALOG NUMBER: IFLD-S-SA3A-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2
2.5°	3269.7	3308.1	3272.0	3145.4	3122.8	3061.8	2969.2	2962.4	2865.2	2876.5	2824.6
5°	3073.1	3111.5	3034.7	2867.5	2711.6	2587.3	2512.7	2379.4	2350.0	2284.5	2284.5
7.5°	2872.0	2869.7	2738.7	2598.6	2365.8	2137.6	2033.7	1841.6	1728.6	1667.6	1608.9
10°	2704.8	2668.6	2587.3	2298.1	2045.0	1807.7	1678.9	1552.4	1434.9	1333.2	1231.5
12.5°	2587.3	2609.9	2481.1	2167.0	1839.3	1674.4	1536.6	1403.2	1263.1	1147.9	1034.9
15°	2648.3	2612.1	2460.8	2137.6	1805.5	1579.5	1396.5	1233.8	1077.8	926.5	840.6
17.5°	2838.1	2745.5	2567.0	2137.6	1735.4	1434.9	1213.4	1021.4	854.1	718.6	612.4
20°	3093.5	2987.2	2795.2	2216.7	1683.4	1328.7	1025.9	784.1	610.1	483.6	402.2
22.5°	3355.6	3272.0	2982.7	2248.3	1622.4	1186.3	809.0	567.2	406.7	325.4	284.7
25°	3669.7	3552.2	3235.8	2374.9	1532.0	1048.5	637.2	395.4	302.8	259.9	235.0
27.5°	3920.5	3900.1	3473.1	2451.7	1464.2	935.5	503.9	314.1	250.8	219.2	203.4
30°	4236.8	4126.1	3762.3	2605.4	1387.4	806.7	420.3	282.5	230.5	196.6	185.3
32.5°	4426.6	4374.7	3913.7	2691.2	1301.6	700.5	361.5	248.6	210.1	185.3	174.0
35°	4702.3	4598.4	4130.6	2745.5	1256.4	639.5	325.4	226.0	176.3	151.4	137.8
37.5°	5009.6	4971.2	4390.5	2743.2	1190.8	603.3	300.5	210.1	167.2	140.1	124.3
40°	5323.7	5167.8	4548.7	2806.5	1156.9	576.2	282.5	201.1	158.2	133.3	113.0
42.5°	5558.7	5380.2	4731.7	2783.9	1116.3	528.8	275.7	187.6	151.4	122.0	103.9
45°	5622.0	5558.7	4896.6	2777.1	1086.9	490.3	264.4	185.3	146.9	115.2	97.2
47.5°	5744.0	5701.1	5100.0	2788.4	1064.3	461.0	237.3	189.8	140.1	108.5	92.6
50°	5798.2	5721.4	5265.0	2815.5	1012.3	424.8	212.4	198.8	137.8	106.2	88.1
52.5°	6022.0	5954.2	5490.9	2892.3	969.4	377.4	187.6	189.8	142.4	99.4	83.6
55°	6241.1	6164.3	5838.9	3068.6	908.4	338.9	160.4	167.2	135.6	90.4	74.6
57.5°	6541.7	6415.1	6071.7	3140.9	854.1	287.0	142.4	137.8	126.5	81.3	65.5
60°	6586.9	6638.8	6037.8	3095.7	797.7	253.1	124.3	106.2	135.6	72.3	56.5
62.5°	6738.3	6521.3	5879.6	2991.8	757.0	232.7	110.7	88.1	117.5	63.3	47.5
65°	6446.8	6286.3	5509.0	2657.3	705.0	235.0	97.2	72.3	74.6	52.0	38.4
67.5°	6019.7	5893.2	4894.4	2293.5	653.0	230.5	85.9	63.3	56.5	45.2	33.9
70°	5283.0	5009.6	4157.7	1861.9	576.2	214.7	72.3	56.5	47.5	36.2	24.9
72.5°	3843.7	3732.9	2982.7	1439.4	517.5	194.3	67.8	47.5	40.7	27.1	20.3
75°	2587.3	2404.3	1882.3	944.5	415.8	169.5	56.5	42.9	31.6	20.3	15.8
77.5°	1367.1	1292.5	1066.6	449.7	230.5	79.1	31.6	24.9	18.1	15.8	9.0
80°	592.0	526.5	461.0	183.0	81.3	36.2	20.3	13.6	11.3	9.0	4.5
82.5°	302.8	289.2	239.5	79.1	47.5	27.1	11.3	9.0	6.8	4.5	2.3
85°	149.1	153.7	126.5	24.9	27.1	15.8	2.3	2.3	0.0	0.0	0.0
87.5°	11.3	11.3	9.0	4.5	6.8	2.3	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: P599143
 CATALOG NUMBER: IFLD-S-SA3A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2
2.5°	2804.2	2835.9	2781.6	2815.5	2799.7	2806.5	2813.3	2795.2	2799.7	2863.0	2865.2
5°	2246.1	2307.1	2284.5	2316.1	2370.4	2343.3	2368.1	2363.6	2368.1	2377.1	2417.8
7.5°	1602.1	1584.0	1626.9	1710.6	1807.7	1866.5	1837.1	1821.3	1812.2	1789.6	1816.8
10°	1208.9	1199.9	1188.6	1213.4	1276.7	1342.2	1378.4	1317.4	1283.5	1240.5	1224.7
12.5°	1003.3	946.8	915.2	876.7	894.8	953.6	955.8	897.1	842.8	820.3	845.1
15°	790.9	752.5	696.0	641.7	614.6	659.8	621.4	564.9	494.9	485.8	483.6
17.5°	564.9	542.3	501.6	479.0	447.4	436.1	395.4	309.6	259.9	246.3	250.8
20°	384.1	366.1	363.8	343.5	329.9	320.9	255.3	198.8	183.0	185.3	187.6
22.5°	284.7	275.7	264.4	262.1	250.8	239.5	187.6	167.2	155.9	155.9	162.7
25°	232.7	228.2	216.9	212.4	207.9	192.1	158.2	142.4	137.8	133.3	140.1
27.5°	198.8	196.6	189.8	183.0	178.5	162.7	137.8	124.3	119.8	119.8	119.8
30°	178.5	178.5	169.5	155.9	155.9	137.8	117.5	108.5	103.9	103.9	101.7
32.5°	167.2	162.7	151.4	142.4	135.6	117.5	103.9	94.9	88.1	88.1	90.4
35°	135.6	135.6	133.3	126.5	117.5	99.4	88.1	79.1	74.6	72.3	74.6
37.5°	119.8	113.0	103.9	106.2	101.7	85.9	74.6	67.8	61.0	61.0	61.0
40°	108.5	101.7	92.6	85.9	83.6	76.8	65.5	54.2	47.5	45.2	45.2
42.5°	97.2	92.6	79.1	67.8	65.5	65.5	49.7	40.7	33.9	33.9	33.9
45°	90.4	83.6	72.3	58.8	47.5	49.7	40.7	29.4	24.9	22.6	22.6
47.5°	85.9	79.1	63.3	49.7	36.2	36.2	29.4	20.3	15.8	13.6	13.6
50°	79.1	72.3	56.5	40.7	27.1	22.6	18.1	11.3	6.8	4.5	4.5
52.5°	74.6	67.8	49.7	33.9	22.6	15.8	11.3	2.3	0.0	0.0	0.0
55°	67.8	58.8	42.9	27.1	18.1	9.0	2.3	0.0	0.0	0.0	0.0
57.5°	58.8	52.0	33.9	20.3	11.3	2.3	0.0	0.0	0.0	0.0	0.0
60°	49.7	42.9	27.1	15.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	40.7	36.2	20.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	33.9	27.1	15.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	29.4	22.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	22.6	15.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	15.8	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	11.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.3	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

TEST NUMBER: P599143
 CATALOG NUMBER: IFLD-S-SA3A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2
2.5°	2874.3	2942.1	3005.3	3023.4	3073.1	3211.0	3211.0	3276.5	3394.0	3436.9	3446.0
5°	2424.6	2496.9	2510.5	2650.6	2716.1	2856.2	2948.8	3170.3	3303.6	3387.2	3439.2
7.5°	1843.9	1868.7	1920.7	2051.8	2180.6	2350.0	2526.3	2808.7	3043.7	3138.6	3314.9
10°	1267.7	1342.2	1455.2	1572.7	1773.8	1961.4	2189.6	2456.2	2745.5	2863.0	3014.4
12.5°	854.1	958.1	1138.9	1306.1	1491.4	1681.2	1898.1	2255.1	2582.8	2745.5	2896.9
15°	499.4	625.9	781.8	1053.0	1299.3	1511.7	1728.6	2090.2	2487.9	2698.0	2883.3
17.5°	253.1	291.5	420.3	655.3	980.7	1328.7	1651.8	2112.8	2560.2	2817.8	2971.4
20°	189.8	201.1	237.3	348.0	671.1	1098.2	1579.5	2146.7	2761.3	3075.4	3159.0
22.5°	165.0	174.0	189.8	226.0	377.4	840.6	1477.8	2230.3	3034.7	3330.7	3507.0
25°	140.1	149.1	162.7	185.3	241.8	571.7	1353.5	2318.4	3278.7	3651.6	3816.5
27.5°	122.0	128.8	142.4	160.4	196.6	363.8	1138.9	2435.9	3651.6	4040.2	4083.2
30°	103.9	110.7	122.0	142.4	167.2	257.6	836.1	2451.7	3857.2	4209.7	4329.5
32.5°	90.4	92.6	106.2	124.3	140.1	203.4	587.5	2467.5	4008.6	4428.9	4453.8
35°	74.6	79.1	92.6	103.9	122.0	160.4	445.1	2388.4	4205.2	4654.9	4648.1
37.5°	61.0	67.8	76.8	85.9	99.4	135.6	354.8	2241.6	4451.5	5005.1	4792.7
40°	47.5	54.2	63.3	74.6	83.6	122.0	266.6	2020.1	4709.1	5176.8	4950.9
42.5°	33.9	38.4	47.5	58.8	74.6	101.7	192.1	1758.0	4810.8	5378.0	5140.7
45°	24.9	29.4	36.2	49.7	76.8	81.3	133.3	1518.5	4919.2	5466.1	5097.8
47.5°	13.6	18.1	27.1	42.9	67.8	61.0	94.9	1303.8	5043.5	5545.2	5131.7
50°	4.5	6.8	15.8	45.2	54.2	47.5	74.6	1188.6	5165.5	5561.0	5199.4
52.5°	0.0	0.0	9.0	47.5	40.7	36.2	65.5	1143.4	5133.9	5610.7	5156.5
55°	0.0	0.0	2.3	20.3	22.6	27.1	54.2	1141.1	5357.6	5626.5	5391.5
57.5°	0.0	0.0	0.0	6.8	13.6	22.6	47.5	1068.8	5500.0	6019.7	5707.9
60°	0.0	0.0	0.0	2.3	9.0	15.8	36.2	1005.5	5644.6	6195.9	6046.8
62.5°	0.0	0.0	0.0	0.0	2.3	6.8	24.9	908.4	5353.1	6182.4	6374.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	15.8	718.6	4815.3	5859.3	6193.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	497.1	4216.5	5452.5	5861.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.5	3403.0	4781.4	4971.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128.8	2429.1	3796.2	4078.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	1502.7	2774.8	3122.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	973.9	2101.5	2370.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	519.7	1317.4	1532.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226.0	799.9	921.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.3	485.8	553.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.6	99.4
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: P599143
 CATALOG NUMBER: IFLD-S-SA3A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2	3204.2
2.5°	3450.5	3516.0	3540.9	3502.4	3507.0	3427.9	3416.6	3305.9	3260.7	3269.7
5°	3608.7	3703.6	3755.5	3712.6	3615.4	3464.0	3326.2	3195.1	3113.8	3073.1
7.5°	3572.5	3678.7	3744.2	3784.9	3674.2	3430.1	3220.0	2973.7	2869.7	2872.0
10°	3373.6	3595.1	3728.4	3676.4	3624.5	3380.4	3055.0	2788.4	2695.8	2704.8
12.5°	3213.2	3459.5	3538.6	3579.3	3473.1	3278.7	3059.6	2754.5	2650.6	2587.3
15°	3113.8	3296.8	3301.3	3364.6	3321.7	3321.7	3107.0	2808.7	2718.4	2648.3
17.5°	3113.8	3154.5	3149.9	3172.5	3244.8	3330.7	3226.8	3027.9	2849.4	2838.1
20°	3183.8	3057.3	3027.9	3037.0	3098.0	3353.3	3491.1	3242.6	3129.6	3093.5
22.5°	3346.5	3068.6	2890.1	2858.4	3046.0	3351.1	3660.6	3581.5	3384.9	3355.6
25°	3570.2	3048.3	2853.9	2813.3	2955.6	3432.4	3893.4	3909.2	3730.7	3669.7
27.5°	3782.6	3138.6	2849.4	2840.4	3027.9	3414.3	4053.8	4171.3	3970.2	3920.5
30°	3855.0	3229.0	2933.0	2813.3	3055.0	3479.9	4049.3	4356.6	4225.5	4236.8
32.5°	3940.8	3319.4	2942.1	2894.6	3170.3	3586.1	4178.1	4654.9	4560.0	4426.6
35°	4067.4	3441.4	3027.9	2985.0	3251.6	3681.0	4205.2	4874.1	4858.2	4702.3
37.5°	4175.8	3561.2	3206.4	3213.2	3500.2	3834.6	4325.0	5142.9	5115.8	5009.6
40°	4252.6	3728.4	3484.4	3502.4	3717.1	4006.3	4537.4	5278.5	5479.6	5323.7
42.5°	4263.9	3877.5	3803.0	3947.6	4148.7	4273.0	4623.2	5371.2	5660.4	5558.7
45°	4306.9	4114.8	4322.7	4428.9	4593.9	4508.0	4618.7	5529.3	5674.0	5622.0
47.5°	4474.1	4546.4	4808.5	5131.7	5190.4	4907.9	4727.2	5554.2	5750.8	5744.0
50°	4648.1	5009.6	5378.0	5592.6	5667.2	5183.6	4828.9	5533.9	5852.5	5798.2
52.5°	4842.4	5411.8	5942.9	6207.2	6166.6	5488.7	4944.1	5698.8	6040.0	6022.0
55°	4964.4	5592.6	6306.7	6675.0	6643.4	5829.9	5310.2	5936.1	6286.3	6241.1
57.5°	5287.6	5886.4	6668.2	6839.9	6923.5	6277.3	5565.5	6324.7	6492.0	6541.7
60°	5554.2	6078.4	6763.1	7011.7	7041.0	6543.9	6012.9	6724.7	6754.1	6586.9
62.5°	5945.1	6153.0	6562.0	6785.7	6937.1	6695.3	6415.1	6939.4	6749.6	6738.3
65°	6232.1	5909.0	6186.9	6311.2	6408.3	6464.8	6819.6	7086.2	6665.9	6446.8
67.5°	6071.7	5448.0	5396.0	5402.8	5432.2	5773.4	6684.0	6727.0	6200.5	6019.7
70°	5344.1	4469.6	4399.5	4453.8	4306.9	4718.1	6134.9	6114.6	5470.6	5283.0
72.5°	4322.7	3258.4	3138.6	3213.2	3247.1	3683.2	5161.0	4636.8	3990.5	3843.7
75°	3434.7	2388.4	2015.6	2196.4	2311.6	2682.2	4031.2	3149.9	2786.1	2587.3
77.5°	2698.0	1807.7	1568.2	1495.9	1602.1	1950.1	2933.0	1654.1	1459.7	1367.1
80°	1710.6	1328.7	1441.7	1337.7	1382.9	1391.9	1527.5	752.5	598.8	592.0
82.5°	1030.4	908.4	1080.1	594.3	1082.4	967.1	635.0	341.2	302.8	302.8
85°	729.9	562.7	372.8	241.8	481.3	531.0	246.3	176.3	153.7	149.1
87.5°	366.1	174.0	83.6	54.2	61.0	99.4	29.4	13.6	13.6	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)