

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: P599156

Luminaire Tested: **IFLD-M-SA4D-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: P599156
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-727-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (64) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

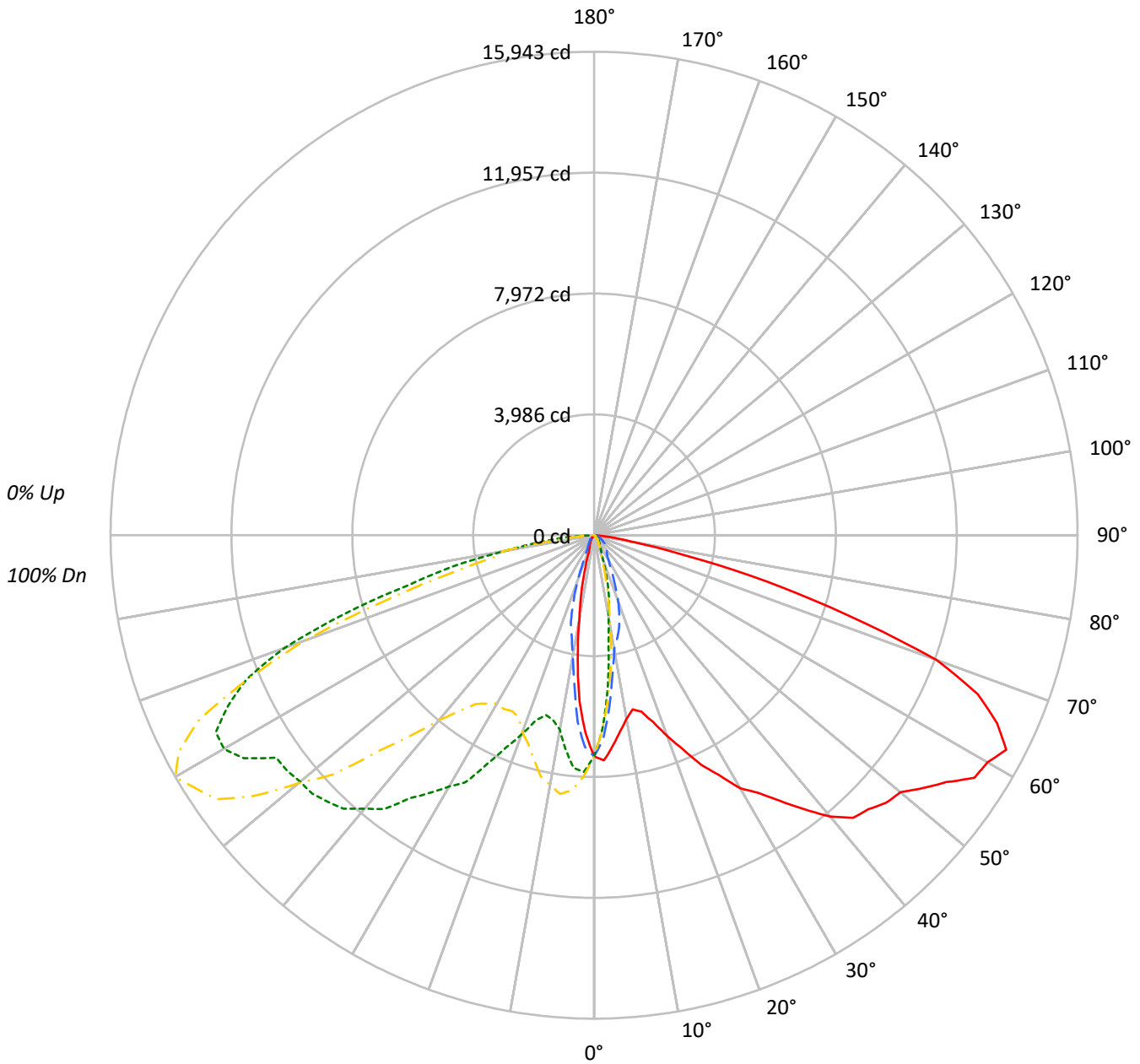
Lumens per Lamp: N/A
 Luminaire Lumens: 19057.3 lumens
 Efficiency: N/A
 Efficacy: 76.3 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 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°	78422	78422	78422	78422
5°	75501	55182	59402	83218
10°	67220	30044	30438	71152
15°	67104	20040	12252	68363
20°	80570	10006	4884	80099
25°	99099	6285	3784	98611
30°	119737	5045	2874	118971
35°	140498	4051	2229	139080
40°	170091	3465	1444	165398
45°	194592	3128	782	189196
50°	220775	3011	172	211741
55°	266313	2892	0	240087
60°	322424	2433	0	303288
65°	373349	1964	0	339324
70°	378052	1618	0	342156
75°	244661	1069	0	262399
80°	83441	316	0	185676
85°	41880	0	0	136433

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.9	2.9
10°-20°	1068.7	5.6
20°-30°	1488.4	7.8
30°-40°	2114.8	11.1
40°-50°	2932.7	15.4
50°-60°	3995.9	21.0
60°-70°	4393.2	23.1
70°-80°	2159.2	11.3
80°-90°	352.6	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°	3108.9	16.3
0°-40°	5223.8	27.4
0°-60°	12152.3	63.8
0°-90°	19057.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19057.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7286	7286	7286	7286	7286	
5°	6988	5107	5498	7702	6988	639
15°	6022	1798	1100	6135	6022	1782
25°	8344	529	319	8303	8344	3879
35°	10692	308	170	10584	10692	6787
45°	12783	206	51	12429	12783	9909
55°	14191	154	0	12794	14191	12766
65°	14659	77	0	13323	14659	14166
75°	5883	26	0	6309	5883	6414
85°	339	0	0	1105	339	469
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°	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6
2.5°	7434.6	7521.9	7439.7	7152.0	7100.6	6961.9	6751.3	6735.8	6514.9	6540.6	6422.4
5°	6987.6	7074.9	6900.3	6520.1	6165.5	5882.9	5713.4	5410.3	5343.5	5194.5	5194.5
7.5°	6530.3	6525.2	6227.2	5908.6	5379.4	4860.5	4624.1	4187.4	3930.5	3791.8	3658.2
10°	6150.1	6067.9	5882.9	5225.3	4649.8	4110.4	3817.5	3529.8	3262.6	3031.4	2800.2
12.5°	5882.9	5934.3	5641.5	4927.3	4182.3	3807.2	3493.8	3190.7	2872.1	2610.1	2353.2
15°	6021.7	5939.5	5595.2	4860.5	4105.2	3591.4	3175.2	2805.3	2450.8	2106.6	1911.3
17.5°	6453.3	6242.6	5836.7	4860.5	3945.9	3262.6	2759.1	2322.4	1942.1	1633.9	1392.4
20°	7033.8	6792.4	6355.6	5040.3	3827.8	3021.1	2332.6	1782.9	1387.2	1099.5	914.6
22.5°	7629.8	7439.7	6782.1	5112.3	3689.0	2697.4	1839.4	1289.6	924.8	739.9	647.4
25°	8344.0	8076.8	7357.5	5400.0	3483.5	2384.0	1448.9	899.1	688.5	590.9	534.3
27.5°	8914.3	8868.1	7897.0	5574.7	3329.4	2127.1	1145.8	714.2	570.3	498.4	462.4
30°	9633.6	9381.9	8554.7	5924.0	3154.7	1834.2	955.7	642.2	524.1	447.0	421.3
32.5°	10065.2	9947.1	8898.9	6119.3	2959.5	1592.8	822.1	565.2	477.8	421.3	395.6
35°	10692.1	10455.7	9392.2	6242.6	2856.7	1454.0	739.9	513.8	400.8	344.2	313.4
37.5°	11390.8	11303.5	9983.0	6237.5	2707.7	1371.8	683.3	477.8	380.2	318.6	282.6
40°	12105.0	11750.5	10342.7	6381.3	2630.6	1310.2	642.2	457.3	359.7	303.1	256.9
42.5°	12639.3	12233.4	10758.9	6329.9	2538.1	1202.3	626.8	426.4	344.2	277.4	236.3
45°	12783.2	12639.3	11133.9	6314.5	2471.4	1114.9	601.1	421.3	334.0	262.0	220.9
47.5°	13060.7	12963.0	11596.3	6340.2	2420.0	1048.1	539.5	431.6	318.6	246.6	210.7
50°	13184.0	13009.3	11971.4	6401.9	2301.8	965.9	483.0	452.1	313.4	241.5	200.4
52.5°	13692.6	13538.5	12485.2	6576.6	2204.2	858.0	426.4	431.6	323.7	226.1	190.1
55°	14191.0	14016.3	13276.4	6977.3	2065.5	770.7	364.8	380.2	308.3	205.5	169.6
57.5°	14874.3	14586.6	13805.7	7141.7	1942.1	652.5	323.7	313.4	287.7	185.0	149.0
60°	14977.1	15095.3	13728.6	7039.0	1813.7	575.4	282.6	241.5	308.3	164.4	128.4
62.5°	15321.3	14828.1	13368.9	6802.6	1721.2	529.2	251.8	200.4	267.2	143.9	107.9
65°	14658.6	14293.8	12526.3	6042.2	1603.0	534.3	220.9	164.4	169.6	118.2	87.3
67.5°	13687.5	13399.8	11128.8	5215.0	1484.9	524.1	195.2	143.9	128.4	102.8	77.1
70°	12012.5	11390.8	9453.8	4233.7	1310.2	488.1	164.4	128.4	107.9	82.2	56.5
72.5°	8739.6	8487.9	6782.1	3272.9	1176.6	441.9	154.1	107.9	92.5	61.7	46.2
75°	5882.9	5466.8	4279.9	2147.7	945.4	385.3	128.4	97.6	71.9	46.2	36.0
77.5°	3108.5	2938.9	2425.1	1022.5	524.1	179.8	71.9	56.5	41.1	36.0	20.6
80°	1346.1	1197.1	1048.1	416.2	185.0	82.2	46.2	30.8	25.7	20.6	10.3
82.5°	688.5	657.7	544.6	179.8	107.9	61.7	25.7	20.6	15.4	10.3	5.1
85°	339.1	349.4	287.7	56.5	61.7	36.0	5.1	5.1	0.0	0.0	0.0
87.5°	25.7	25.7	20.6	10.3	15.4	5.1	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°	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6
2.5°	6376.2	6448.1	6324.8	6401.9	6365.9	6381.3	6396.7	6355.6	6365.9	6509.8	6514.9
5°	5107.1	5245.8	5194.5	5266.4	5389.7	5328.0	5384.6	5374.3	5384.6	5405.1	5497.6
7.5°	3642.8	3601.7	3699.3	3889.4	4110.4	4243.9	4177.1	4141.2	4120.6	4069.3	4130.9
10°	2748.8	2728.2	2702.6	2759.1	2902.9	3051.9	3134.1	2995.4	2918.4	2820.7	2784.8
12.5°	2281.2	2152.8	2080.9	1993.5	2034.6	2168.2	2173.4	2039.8	1916.5	1865.1	1921.6
15°	1798.3	1710.9	1582.5	1459.2	1397.5	1500.3	1412.9	1284.5	1125.2	1104.7	1099.5
17.5°	1284.5	1233.1	1140.6	1089.2	1017.3	991.6	899.1	703.9	590.9	560.0	570.3
20°	873.5	832.3	827.2	781.0	750.1	729.6	580.6	452.1	416.2	421.3	426.4
22.5°	647.4	626.8	601.1	596.0	570.3	544.6	426.4	380.2	354.5	354.5	369.9
25°	529.2	518.9	493.2	483.0	472.7	436.7	359.7	323.7	313.4	303.1	318.6
27.5°	452.1	447.0	431.6	416.2	405.9	369.9	313.4	282.6	272.3	272.3	272.3
30°	405.9	405.9	385.3	354.5	354.5	313.4	267.2	246.6	236.3	236.3	231.2
32.5°	380.2	369.9	344.2	323.7	308.3	267.2	236.3	215.8	200.4	200.4	205.5
35°	308.3	308.3	303.1	287.7	267.2	226.1	200.4	179.8	169.6	164.4	169.6
37.5°	272.3	256.9	236.3	241.5	231.2	195.2	169.6	154.1	138.7	138.7	138.7
40°	246.6	231.2	210.7	195.2	190.1	174.7	149.0	123.3	107.9	102.8	102.8
42.5°	220.9	210.7	179.8	154.1	149.0	149.0	113.0	92.5	77.1	77.1	77.1
45°	205.5	190.1	164.4	133.6	107.9	113.0	92.5	66.8	56.5	51.4	51.4
47.5°	195.2	179.8	143.9	113.0	82.2	82.2	66.8	46.2	36.0	30.8	30.8
50°	179.8	164.4	128.4	92.5	61.7	51.4	41.1	25.7	15.4	10.3	10.3
52.5°	169.6	154.1	113.0	77.1	51.4	36.0	25.7	5.1	0.0	0.0	0.0
55°	154.1	133.6	97.6	61.7	41.1	20.6	5.1	0.0	0.0	0.0	0.0
57.5°	133.6	118.2	77.1	46.2	25.7	5.1	0.0	0.0	0.0	0.0	0.0
60°	113.0	97.6	61.7	36.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	92.5	82.2	46.2	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	77.1	61.7	36.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	66.8	51.4	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	51.4	36.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	36.0	25.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	25.7	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	15.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.1	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°	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6
2.5°	6535.5	6689.6	6833.5	6874.6	6987.6	7301.0	7301.0	7450.0	7717.2	7814.8	7835.4
5°	5513.0	5677.4	5708.3	6026.8	6175.8	6494.4	6705.0	7208.5	7511.7	7701.8	7820.0
7.5°	4192.6	4249.1	4367.3	4665.3	4958.1	5343.5	5744.2	6386.5	6920.8	7136.6	7537.4
10°	2882.4	3051.9	3308.8	3576.0	4033.3	4459.7	4978.7	5584.9	6242.6	6509.8	6854.0
12.5°	1942.1	2178.5	2589.5	2969.7	3391.0	3822.6	4315.9	5127.7	5872.7	6242.6	6586.8
15°	1135.5	1423.2	1777.7	2394.3	2954.3	3437.3	3930.5	4752.6	5656.9	6134.7	6556.0
17.5°	575.4	662.8	955.7	1490.0	2229.9	3021.1	3755.8	4804.0	5821.3	6407.0	6756.4
20°	431.6	457.3	539.5	791.2	1526.0	2497.0	3591.4	4881.0	6278.6	6992.7	7182.8
22.5°	375.1	395.6	431.6	513.8	858.0	1911.3	3360.2	5071.2	6900.3	7573.3	7974.1
25°	318.6	339.1	369.9	421.3	549.8	1299.9	3077.6	5271.5	7455.2	8302.9	8678.0
27.5°	277.4	292.9	323.7	364.8	447.0	827.2	2589.5	5538.7	8302.9	9186.6	9284.3
30°	236.3	251.8	277.4	323.7	380.2	585.7	1901.0	5574.7	8770.5	9572.0	9844.3
32.5°	205.5	210.7	241.5	282.6	318.6	462.4	1335.9	5610.6	9114.7	10070.4	10126.9
35°	169.6	179.8	210.7	236.3	277.4	364.8	1012.2	5430.8	9561.7	10584.2	10568.8
37.5°	138.7	154.1	174.7	195.2	226.1	308.3	806.7	5096.8	10121.7	11380.5	10897.6
40°	107.9	123.3	143.9	169.6	190.1	277.4	606.3	4593.3	10707.5	11771.0	11257.2
42.5°	77.1	87.3	107.9	133.6	169.6	231.2	436.7	3997.3	10938.7	12228.3	11688.8
45°	56.5	66.8	82.2	113.0	174.7	185.0	303.1	3452.7	11185.3	12428.7	11591.2
47.5°	30.8	41.1	61.7	97.6	154.1	138.7	215.8	2964.6	11467.9	12608.5	11668.3
50°	10.3	15.4	36.0	102.8	123.3	107.9	169.6	2702.6	11745.3	12644.5	11822.4
52.5°	0.0	0.0	20.6	107.9	92.5	82.2	149.0	2599.8	11673.4	12757.5	11724.8
55°	0.0	0.0	5.1	46.2	51.4	61.7	123.3	2594.7	12182.1	12793.5	12259.1
57.5°	0.0	0.0	0.0	15.4	30.8	51.4	107.9	2430.2	12505.8	13687.5	12978.4
60°	0.0	0.0	0.0	5.1	20.6	36.0	82.2	2286.4	12834.6	14088.2	13749.1
62.5°	0.0	0.0	0.0	0.0	5.1	15.4	56.5	2065.5	12171.8	14057.4	14494.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	36.0	1633.9	10949.0	13322.7	14083.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	20.6	1130.3	9587.4	12397.9	13327.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	683.3	7737.7	10871.9	11303.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	292.9	5523.3	8631.7	9274.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118.2	3416.7	6309.4	7100.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.2	2214.5	4778.3	5389.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	1181.7	2995.4	3483.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	513.8	1818.8	2096.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.4	1104.7	1258.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169.6	226.1
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: P599156
 CATALOG NUMBER: IFLD-M-SA4D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6	7285.6
2.5°	7845.6	7994.6	8051.2	7963.8	7974.1	7794.3	7768.6	7516.8	7414.1	7434.6
5°	8205.3	8421.1	8539.3	8441.6	8220.7	7876.5	7563.1	7265.1	7080.1	6987.6
7.5°	8123.1	8364.6	8513.6	8606.1	8354.3	7799.4	7321.6	6761.5	6525.2	6530.3
10°	7671.0	8174.5	8477.6	8359.4	8241.3	7686.4	6946.5	6340.2	6129.6	6150.1
12.5°	7306.2	7866.2	8046.0	8138.5	7897.0	7455.2	6956.8	6263.2	6026.8	5882.9
15°	7080.1	7496.3	7506.5	7650.4	7552.8	7552.8	7064.7	6386.5	6180.9	6021.7
17.5°	7080.1	7172.6	7162.3	7213.7	7378.1	7573.3	7337.0	6884.8	6478.9	6453.3
20°	7239.4	6951.6	6884.8	6905.4	7044.1	7624.7	7938.1	7372.9	7116.1	7033.8
22.5°	7609.3	6977.3	6571.4	6499.5	6925.9	7619.6	8323.5	8143.6	7696.6	7629.8
25°	8118.0	6931.1	6489.2	6396.7	6720.4	7804.5	8852.7	8888.6	8482.7	8344.0
27.5°	8600.9	7136.6	6478.9	6458.4	6884.8	7763.4	9217.5	9484.6	9027.4	8914.3
30°	8765.3	7342.1	6669.1	6396.7	6946.5	7912.4	9207.2	9906.0	9608.0	9633.6
32.5°	8960.6	7547.6	6689.6	6581.7	7208.5	8153.9	9500.1	10584.2	10368.4	10065.2
35°	9248.3	7825.1	6884.8	6787.2	7393.5	8369.7	9561.7	11082.5	11046.6	10692.1
37.5°	9494.9	8097.4	7290.7	7306.2	7958.7	8719.1	9834.0	11694.0	11632.3	11390.8
40°	9669.6	8477.6	7922.7	7963.8	8451.9	9109.6	10317.0	12002.2	12459.5	12105.0
42.5°	9695.3	8816.7	8647.2	8976.0	9433.3	9715.9	10512.2	12212.9	12870.5	12639.3
45°	9792.9	9356.2	9828.9	10070.4	10445.4	10250.2	10502.0	12572.5	12901.4	12783.2
47.5°	10173.1	10337.5	10933.5	11668.3	11801.9	11159.6	10748.6	12629.1	13076.1	13060.7
50°	10568.8	11390.8	12228.3	12716.4	12886.0	11786.4	10979.8	12582.8	13307.3	13184.0
52.5°	11010.6	12305.4	13512.8	14113.9	14021.4	12480.1	11241.8	12957.9	13733.7	13692.6
55°	11288.1	12716.4	14340.0	15177.5	15105.6	13255.9	12074.2	13497.4	14293.8	14191.0
57.5°	12022.8	13384.3	15162.1	15552.6	15742.7	14273.2	12654.8	14381.1	14761.3	14874.3
60°	12629.1	13821.1	15377.9	15943.0	16009.8	14879.5	13672.1	15290.5	15357.3	14977.1
62.5°	13517.9	13990.6	14920.6	15429.2	15773.5	15223.7	14586.6	15778.6	15347.0	15321.3
65°	14170.4	13435.7	14067.7	14350.3	14571.2	14699.7	15506.3	16112.6	15156.9	14658.6
67.5°	13805.7	12387.6	12269.4	12284.8	12351.6	13127.4	15198.0	15295.7	14098.5	13687.5
70°	12151.2	10162.9	10003.6	10126.9	9792.9	10728.0	13949.5	13903.3	12439.0	12012.5
72.5°	9828.9	7408.9	7136.6	7306.2	7383.2	8374.8	11735.1	10543.1	9073.6	8739.6
75°	7809.7	5430.8	4583.0	4994.1	5256.1	6098.7	9166.1	7162.3	6335.1	5882.9
77.5°	6134.7	4110.4	3565.7	3401.3	3642.8	4434.0	6669.1	3761.0	3319.1	3108.5
80°	3889.4	3021.1	3278.0	3041.7	3144.4	3165.0	3473.2	1710.9	1361.6	1346.1
82.5°	2342.9	2065.5	2455.9	1351.3	2461.1	2199.0	1443.8	775.8	688.5	688.5
85°	1659.6	1279.3	847.8	549.8	1094.4	1207.4	560.0	400.8	349.4	339.1
87.5°	832.3	395.6	190.1	123.3	138.7	226.1	66.8	30.8	30.8	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)