

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: P599333

Luminaire Tested: **IFLD-L-SA7B-827-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: P599333
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

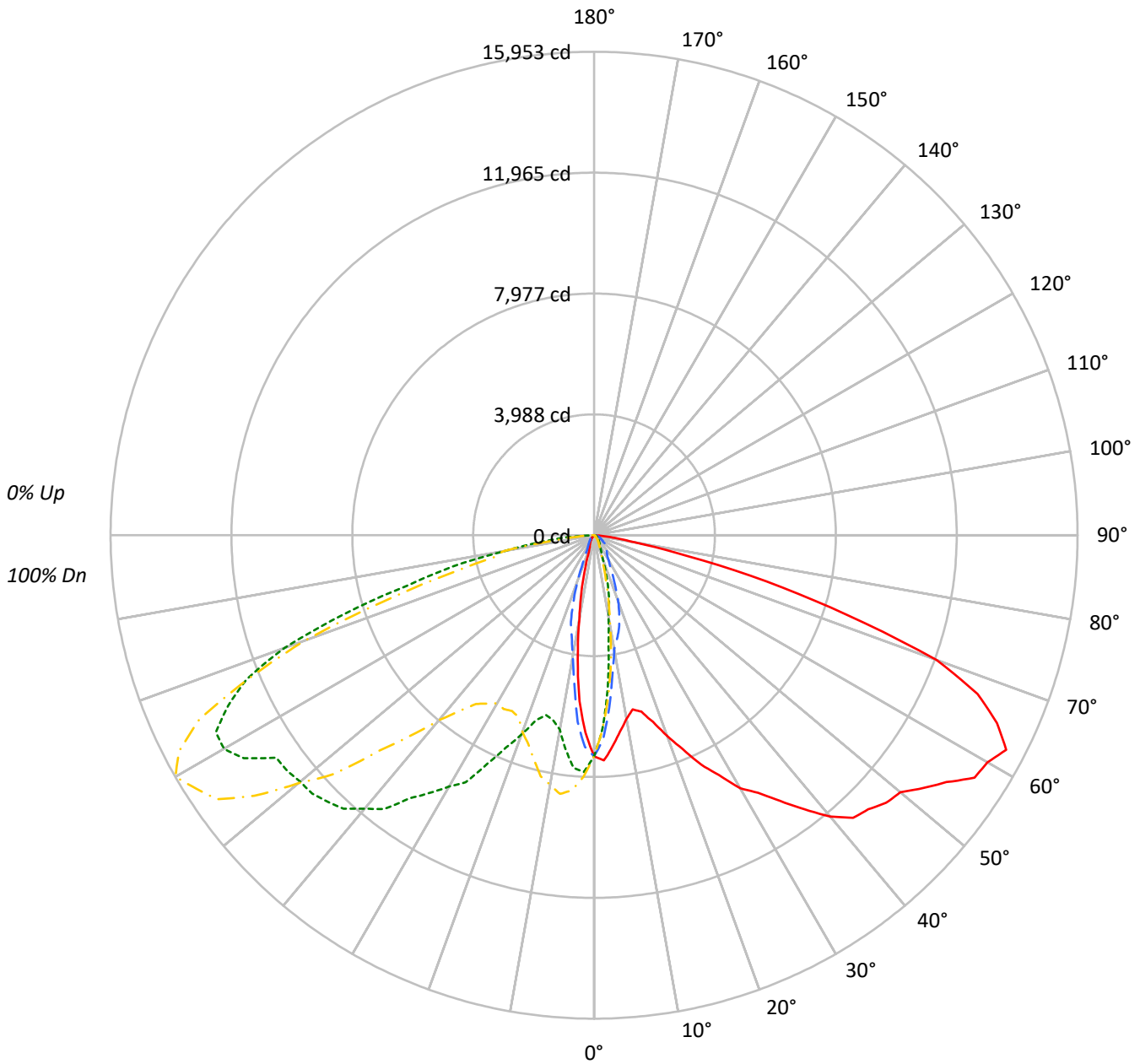
Lumens per Lamp: N/A
 Luminaire Lumens: 19068.8 lumens
 Efficiency: N/A
 Efficacy: 67.9 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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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CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

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	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
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79				79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62				62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49				49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40				40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33				33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27				27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24				24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20				20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18				18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39234	39234	39234	39234
5°	37773	27608	29719	41634
10°	33630	15031	15228	35597
15°	33572	10026	6130	34202
20°	40310	5006	2444	40074
25°	49579	3144	1893	49335
30°	59905	2524	1437	59521
35°	70291	2027	1115	69581
40°	85097	1734	722	82749
45°	97355	1565	391	94654
50°	110454	1506	86	105934
55°	133236	1447	0	120116
60°	161309	1217	0	151736
65°	186785	982	0	169764
70°	189139	809	0	171180
75°	122406	534	0	131278
80°	41745	158	0	92894
85°	20952	0	0	68253

TEST NUMBER: P599333
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.2	2.9
10°-20°	1069.3	5.6
20°-30°	1489.3	7.8
30°-40°	2116.1	11.1
40°-50°	2934.4	15.4
50°-60°	3998.3	21.0
60°-70°	4395.8	23.1
70°-80°	2160.5	11.3
80°-90°	352.8	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°	3110.8	16.3
0°-40°	5226.9	27.4
0°-60°	12159.6	63.8
0°-90°	19068.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19068.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7290	7290	7290	7290	7290	
5°	6992	5110	5501	7706	6992	640
15°	6025	1799	1100	6138	6025	1783
25°	8349	530	319	8308	8349	3882
35°	10698	308	170	10590	10698	6791
45°	12791	206	51	12436	12791	9915
55°	14200	154	0	12801	14200	12773
65°	14667	77	0	13331	14667	14174
75°	5886	26	0	6313	5886	6417
85°	339	0	0	1105	339	469
90°	0	0	0	0	0	

TEST NUMBER: P599333
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0
2.5°	7439.1	7526.5	7444.2	7156.3	7104.9	6966.1	6755.3	6739.9	6518.8	6544.5	6426.3
5°	6991.8	7079.2	6904.4	6524.0	6169.2	5886.5	5716.8	5413.5	5346.7	5197.6	5197.6
7.5°	6534.2	6529.1	6230.9	5912.2	5382.7	4863.4	4626.9	4189.9	3932.9	3794.1	3660.4
10°	6153.8	6071.6	5886.5	5228.4	4652.6	4112.8	3819.8	3531.9	3264.6	3033.2	2801.9
12.5°	5886.5	5937.9	5644.8	4930.2	4184.8	3809.5	3495.9	3192.6	2873.8	2611.6	2354.6
15°	6025.3	5943.0	5598.6	4863.4	4107.7	3593.6	3177.2	2807.0	2452.3	2107.8	1912.5
17.5°	6457.1	6246.3	5840.2	4863.4	3948.3	3264.6	2760.7	2323.7	1943.3	1634.8	1393.2
20°	7038.1	6796.4	6359.4	5043.3	3830.1	3022.9	2334.0	1783.9	1388.1	1100.2	915.1
22.5°	7634.4	7444.2	6786.2	5115.3	3691.3	2699.0	1840.5	1290.4	925.4	740.3	647.8
25°	8349.0	8081.7	7361.9	5403.2	3485.6	2385.4	1449.8	899.7	688.9	591.2	534.7
27.5°	8919.7	8873.4	7901.8	5578.0	3331.4	2128.4	1146.4	714.6	570.7	498.7	462.7
30°	9639.4	9387.5	8559.8	5927.6	3156.6	1835.3	956.2	642.6	524.4	447.3	421.6
32.5°	10071.3	9953.0	8904.3	6123.0	2961.2	1593.7	822.6	565.5	478.1	421.6	395.9
35°	10698.5	10462.0	9397.8	6246.3	2858.4	1454.9	740.3	514.1	401.0	344.4	313.6
37.5°	11397.7	11310.3	9989.0	6241.2	2709.3	1372.7	683.8	478.1	380.4	318.7	282.8
40°	12112.3	11757.5	10348.9	6385.2	2632.2	1311.0	642.6	457.6	359.9	303.3	257.1
42.5°	12646.9	12240.8	10765.3	6333.7	2539.7	1203.0	627.2	426.7	344.4	277.6	236.5
45°	12790.9	12646.9	11140.6	6318.3	2472.8	1115.6	601.5	421.6	334.2	262.2	221.1
47.5°	13068.5	12970.8	11603.3	6344.0	2421.4	1048.8	539.8	431.8	318.7	246.8	210.8
50°	13191.9	13017.1	11978.6	6405.7	2303.2	966.5	483.3	452.4	313.6	241.6	200.5
52.5°	13700.8	13546.6	12492.7	6580.5	2205.5	858.6	426.7	431.8	323.9	226.2	190.2
55°	14199.5	14024.7	13284.4	6981.5	2066.7	771.2	365.0	380.4	308.5	205.6	169.7
57.5°	14883.3	14595.4	13813.9	7146.0	1943.3	652.9	323.9	313.6	287.9	185.1	149.1
60°	14986.1	15104.3	13736.8	7043.2	1814.8	575.8	282.8	241.6	308.5	164.5	128.5
62.5°	15330.5	14837.0	13376.9	6806.7	1722.2	529.5	251.9	200.5	267.3	143.9	108.0
65°	14667.3	14302.3	12533.8	6045.8	1604.0	534.7	221.1	164.5	169.7	118.2	87.4
67.5°	13695.7	13407.8	11135.5	5218.1	1485.8	524.4	195.4	143.9	128.5	102.8	77.1
70°	12019.7	11397.7	9459.5	4236.2	1311.0	488.4	164.5	128.5	108.0	82.3	56.6
72.5°	8744.9	8493.0	6786.2	3274.8	1177.3	442.1	154.2	108.0	92.5	61.7	46.3
75°	5886.5	5470.1	4282.5	2148.9	945.9	385.6	128.5	97.7	72.0	46.3	36.0
77.5°	3110.3	2940.7	2426.6	1023.1	524.4	179.9	72.0	56.6	41.1	36.0	20.6
80°	1346.9	1197.9	1048.8	416.4	185.1	82.3	46.3	30.8	25.7	20.6	10.3
82.5°	688.9	658.1	544.9	179.9	108.0	61.7	25.7	20.6	15.4	10.3	5.1
85°	339.3	349.6	287.9	56.6	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

TEST NUMBER: P599333
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0
2.5°	6380.0	6452.0	6328.6	6405.7	6369.7	6385.2	6400.6	6359.4	6369.7	6513.7	6518.8
5°	5110.2	5249.0	5197.6	5269.6	5392.9	5331.2	5387.8	5377.5	5387.8	5408.4	5500.9
7.5°	3645.0	3603.9	3701.5	3891.8	4112.8	4246.5	4179.7	4143.7	4123.1	4071.7	4133.4
10°	2750.4	2729.9	2704.2	2760.7	2904.7	3053.8	3136.0	2997.2	2920.1	2822.4	2786.4
12.5°	2282.6	2154.1	2082.1	1994.7	2035.8	2169.5	2174.7	2041.0	1917.6	1866.2	1922.7
15°	1799.4	1712.0	1583.4	1460.1	1398.4	1501.2	1413.8	1285.3	1125.9	1105.3	1100.2
17.5°	1285.3	1233.8	1141.3	1089.9	1017.9	992.2	899.7	704.3	591.2	560.4	570.7
20°	874.0	832.8	827.7	781.4	750.6	730.0	580.9	452.4	416.4	421.6	426.7
22.5°	647.8	627.2	601.5	596.4	570.7	544.9	426.7	380.4	354.7	354.7	370.2
25°	529.5	519.2	493.5	483.3	473.0	437.0	359.9	323.9	313.6	303.3	318.7
27.5°	452.4	447.3	431.8	416.4	406.1	370.2	313.6	282.8	272.5	272.5	272.5
30°	406.1	406.1	385.6	354.7	354.7	313.6	267.3	246.8	236.5	236.5	231.3
32.5°	380.4	370.2	344.4	323.9	308.5	267.3	236.5	215.9	200.5	200.5	205.6
35°	308.5	308.5	303.3	287.9	267.3	226.2	200.5	179.9	169.7	164.5	169.7
37.5°	272.5	257.1	236.5	241.6	231.3	195.4	169.7	154.2	138.8	138.8	138.8
40°	246.8	231.3	210.8	195.4	190.2	174.8	149.1	123.4	108.0	102.8	102.8
42.5°	221.1	210.8	179.9	154.2	149.1	149.1	113.1	92.5	77.1	77.1	77.1
45°	205.6	190.2	164.5	133.7	108.0	113.1	92.5	66.8	56.6	51.4	51.4
47.5°	195.4	179.9	143.9	113.1	82.3	82.3	66.8	46.3	36.0	30.8	30.8
50°	179.9	164.5	128.5	92.5	61.7	51.4	41.1	25.7	15.4	10.3	10.3
52.5°	169.7	154.2	113.1	77.1	51.4	36.0	25.7	5.1	0.0	0.0	0.0
55°	154.2	133.7	97.7	61.7	41.1	20.6	5.1	0.0	0.0	0.0	0.0
57.5°	133.7	118.2	77.1	46.3	25.7	5.1	0.0	0.0	0.0	0.0	0.0
60°	113.1	97.7	61.7	36.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	92.5	82.3	46.3	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

TEST NUMBER: P599333
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0
2.5°	6539.4	6693.6	6837.6	6878.7	6991.8	7305.4	7305.4	7454.5	7721.8	7819.5	7840.1
5°	5516.3	5680.8	5711.7	6030.4	6179.5	6498.3	6709.0	7212.9	7516.2	7706.4	7824.6
7.5°	4195.1	4251.6	4369.9	4668.1	4961.1	5346.7	5747.7	6390.3	6925.0	7140.9	7541.9
10°	2884.1	3053.8	3310.8	3578.2	4035.7	4462.4	4981.7	5588.3	6246.3	6513.7	6858.1
12.5°	1943.3	2179.8	2591.1	2971.5	3393.1	3824.9	4318.5	5130.7	5876.2	6246.3	6590.8
15°	1136.2	1424.1	1778.8	2395.7	2956.1	3439.3	3932.9	4755.4	5660.3	6138.4	6559.9
17.5°	575.8	663.2	956.2	1490.9	2231.2	3022.9	3758.1	4806.9	5824.8	6410.9	6760.4
20°	431.8	457.6	539.8	791.7	1526.9	2498.5	3593.6	4884.0	6282.3	6996.9	7187.2
22.5°	375.3	395.9	431.8	514.1	858.6	1912.5	3362.2	5074.2	6904.4	7577.9	7978.9
25°	318.7	339.3	370.2	421.6	550.1	1300.7	3079.5	5274.7	7459.6	8307.9	8683.2
27.5°	277.6	293.0	323.9	365.0	447.3	827.7	2591.1	5542.0	8307.9	9192.2	9289.8
30°	236.5	251.9	277.6	323.9	380.4	586.1	1902.2	5578.0	8775.7	9577.7	9850.2
32.5°	205.6	210.8	241.6	282.8	318.7	462.7	1336.7	5614.0	9120.2	10076.4	10133.0
35°	169.7	179.9	210.8	236.5	277.6	365.0	1012.8	5434.1	9567.4	10590.5	10575.1
37.5°	138.8	154.2	174.8	195.4	226.2	308.5	807.1	5099.9	10127.8	11387.4	10904.1
40°	108.0	123.4	143.9	169.7	190.2	277.6	606.6	4596.1	10713.9	11778.1	11264.0
42.5°	77.1	87.4	108.0	133.7	169.7	231.3	437.0	3999.7	10945.2	12235.6	11695.8
45°	56.6	66.8	82.3	113.1	174.8	185.1	303.3	3454.8	11192.0	12436.1	11598.2
47.5°	30.8	41.1	61.7	97.7	154.2	138.8	215.9	2966.4	11474.8	12616.1	11675.3
50°	10.3	15.4	36.0	102.8	123.4	108.0	169.7	2704.2	11752.4	12652.1	11829.5
52.5°	0.0	0.0	20.6	108.0	92.5	82.3	149.1	2601.4	11680.4	12765.2	11731.8
55°	0.0	0.0	5.1	46.3	51.4	61.7	123.4	2596.2	12189.4	12801.2	12266.5
57.5°	0.0	0.0	0.0	15.4	30.8	51.4	108.0	2431.7	12513.3	13695.7	12986.2
60°	0.0	0.0	0.0	5.1	20.6	36.0	82.3	2287.8	12842.3	14096.7	13757.4
62.5°	0.0	0.0	0.0	0.0	5.1	15.4	56.6	2066.7	12179.1	14065.8	14502.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	36.0	1634.8	10955.5	13330.7	14091.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	20.6	1131.0	9593.2	12405.3	13335.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	683.8	7742.4	10878.4	11310.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	293.0	5526.6	8636.9	9279.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118.2	3418.8	6313.2	7104.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.3	2215.8	4781.2	5392.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	1182.4	2997.2	3485.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	514.1	1819.9	2097.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.5	1105.3	1259.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169.7	226.2
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: P599333
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0	7290.0
2.5°	7850.3	7999.4	8056.0	7968.6	7978.9	7798.9	7773.2	7521.3	7418.5	7439.1
5°	8210.2	8426.1	8544.4	8446.7	8225.6	7881.2	7567.6	7269.4	7084.3	6991.8
7.5°	8128.0	8369.6	8518.7	8611.2	8359.3	7804.1	7326.0	6765.6	6529.1	6534.2
10°	7675.6	8179.4	8482.7	8364.4	8246.2	7691.0	6950.7	6344.0	6133.2	6153.8
12.5°	7310.5	7870.9	8050.8	8143.4	7901.8	7459.6	6960.9	6266.9	6030.4	5886.5
15°	7084.3	7500.8	7511.0	7655.0	7557.3	7557.3	7068.9	6390.3	6184.7	6025.3
17.5°	7084.3	7176.9	7166.6	7218.0	7382.5	7577.9	7341.4	6889.0	6482.8	6457.1
20°	7243.7	6955.8	6889.0	6909.5	7048.3	7629.3	7942.9	7377.4	7120.3	7038.1
22.5°	7613.9	6981.5	6575.4	6503.4	6930.1	7624.1	8328.5	8148.5	7701.3	7634.4
25°	8122.8	6935.2	6493.1	6400.6	6724.5	7809.2	8858.0	8894.0	8487.8	8349.0
27.5°	8606.1	7140.9	6482.8	6462.3	6889.0	7768.1	9223.0	9490.3	9032.8	8919.7
30°	8770.6	7346.5	6673.1	6400.6	6950.7	7917.2	9212.7	9911.9	9613.7	9639.4
32.5°	8965.9	7552.2	6693.6	6585.7	7212.9	8158.8	9505.8	10590.5	10374.6	10071.3
35°	9253.8	7829.8	6889.0	6791.3	7397.9	8374.7	9567.4	11089.2	11053.2	10698.5
37.5°	9500.6	8102.3	7295.1	7310.5	7963.4	8724.3	9839.9	11701.0	11639.3	11397.7
40°	9675.4	8482.7	7927.5	7968.6	8457.0	9115.0	10323.2	12009.4	12467.0	12112.3
42.5°	9701.1	8822.0	8652.3	8981.4	9438.9	9721.7	10518.5	12220.2	12878.3	12646.9
45°	9798.8	9361.8	9834.8	10076.4	10451.7	10256.3	10508.3	12580.1	12909.1	12790.9
47.5°	10179.2	10343.7	10940.1	11675.3	11808.9	11166.3	10755.0	12636.6	13083.9	13068.5
50°	10575.1	11397.7	12235.6	12724.0	12893.7	11793.5	10986.4	12590.4	13315.3	13191.9
52.5°	11017.2	12312.8	13520.9	14122.4	14029.9	12487.6	11248.6	12965.7	13742.0	13700.8
55°	11294.8	12724.0	14348.6	15186.6	15114.6	13263.8	12081.4	13505.5	14302.3	14199.5
57.5°	12030.0	13392.4	15171.2	15561.9	15752.1	14281.8	12662.3	14389.7	14770.2	14883.3
60°	12636.6	13829.4	15387.1	15952.6	16019.4	14888.4	13680.3	15299.7	15366.5	14986.1
62.5°	13526.0	13999.0	14929.5	15438.5	15782.9	15232.9	14595.4	15788.1	15356.2	15330.5
65°	14178.9	13443.8	14076.1	14358.9	14579.9	14708.5	15515.6	16122.3	15166.0	14667.3
67.5°	13813.9	12395.0	12276.8	12292.2	12359.0	13135.3	15207.2	15304.8	14107.0	13695.7
70°	12158.5	10168.9	10009.6	10133.0	9798.8	10734.5	13957.9	13911.6	12446.4	12019.7
72.5°	9834.8	7413.4	7140.9	7310.5	7387.7	8379.9	11742.1	10549.4	9079.1	8744.9
75°	7814.4	5434.1	4585.8	4997.1	5259.3	6102.4	9171.6	7166.6	6338.9	5886.5
77.5°	6138.4	4112.8	3567.9	3403.4	3645.0	4436.7	6673.1	3763.2	3321.1	3110.3
80°	3891.8	3022.9	3280.0	3043.5	3146.3	3166.9	3475.3	1712.0	1362.4	1346.9
82.5°	2344.3	2066.7	2457.4	1352.1	2462.6	2200.4	1444.6	776.3	688.9	688.9
85°	1660.6	1280.1	848.3	550.1	1095.0	1208.1	560.4	401.0	349.6	339.3
87.5°	832.8	395.9	190.2	123.4	138.8	226.2	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)