

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: P598641

Luminaire Tested: **IFLD-L-SA8A-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598641
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

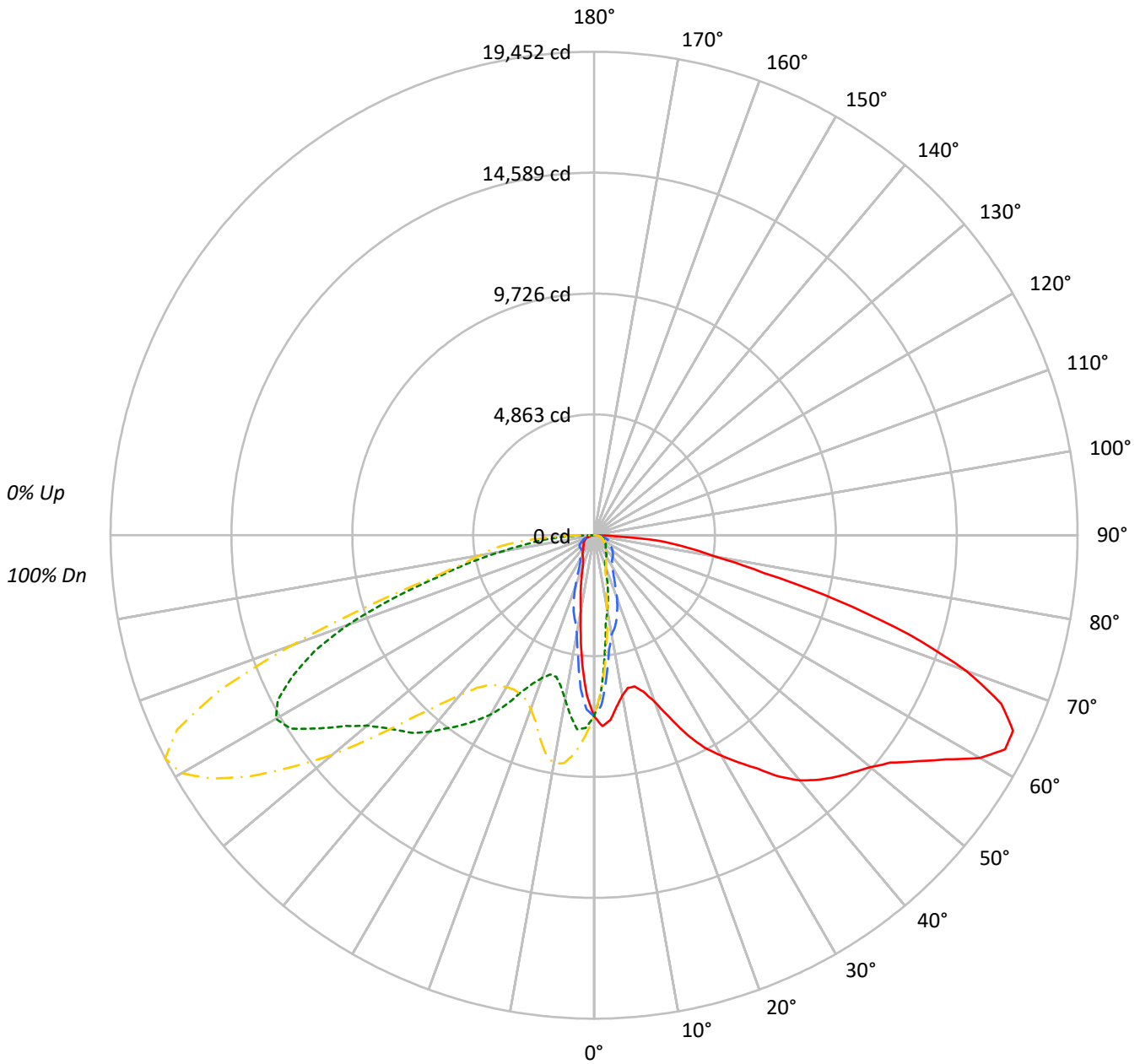
Lumens per Lamp: N/A
 Luminaire Lumens: 24367.8 lumens
 Efficiency: N/A
 Efficacy: 98.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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

TEST NUMBER: P598641
CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

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				
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77				
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59				
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46				
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36				
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30				
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25				
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21				
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18				
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16				
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39176	39176	39176	39176
5°	40317	26217	28640	42355
10°	35769	16659	16826	36604
15°	35105	11815	11190	32832
20°	40814	7474	7532	34975
25°	52488	6418	6236	41349
30°	63610	6082	5702	51762
35°	75287	5359	5158	61355
40°	90463	5085	4728	72485
45°	104676	5044	4578	84501
50°	121552	5122	4609	99786
55°	148751	5261	4687	127131
60°	192916	5268	4938	159008
65°	236809	5323	5063	170206
70°	250581	5615	5294	165718
75°	210935	5937	5300	135252
80°	153247	6952	5371	116910
85°	162424	10072	4409	121501

TEST NUMBER: P598641
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.3	2.3
10°-20°	1179.0	4.8
20°-30°	1699.1	7.0
30°-40°	2446.0	10.0
40°-50°	3474.3	14.3
50°-60°	4995.1	20.5
60°-70°	5771.0	23.7
70°-80°	3267.6	13.4
80°-90°	972.5	4.0
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°	3441.4	14.1
0°-40°	5887.4	24.2
0°-60°	14356.7	58.9
0°-90°	24367.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24367.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7279	7279	7279	7279	7279	
5°	7463	4853	5301	7840	7463	677
15°	6300	2120	2008	5893	6300	1853
25°	8839	1081	1050	6963	8839	4103
35°	11459	816	785	9338	11459	7273
45°	13753	663	602	11102	13753	10649
55°	15853	561	500	13549	15853	14357
65°	18595	418	398	13365	18595	17832
75°	10144	286	255	6504	10144	10763
85°	2630	163	71	1968	2630	2619
90°	0	0	0	0	0	

TEST NUMBER: P598641
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1
2.5°	7686.9	7676.7	7615.5	7421.8	7217.9	7024.2	6840.7	6647.0	6545.1	6422.7	6371.8
5°	7462.6	7442.2	7268.9	6840.7	6463.5	6055.7	5709.1	5433.8	5209.6	4985.3	4903.7
7.5°	6952.9	6922.3	6718.4	6127.1	5576.6	5046.4	4628.5	4271.6	3976.0	3843.4	3690.5
10°	6545.1	6494.1	6229.0	5576.6	4862.9	4332.8	4057.5	3812.9	3558.0	3343.9	3119.6
12.5°	6290.2	6229.0	5953.8	5189.2	4495.9	4098.3	3812.9	3537.6	3221.6	2956.5	2711.8
15°	6300.4	6229.0	5892.6	5087.2	4404.2	3894.4	3496.8	3119.6	2752.6	2457.0	2181.7
17.5°	6596.1	6504.3	6147.5	5229.9	4332.8	3629.4	3099.2	2609.9	2191.9	1875.8	1651.6
20°	7126.2	7065.0	6657.2	5444.0	4261.4	3343.9	2691.4	2100.1	1661.8	1417.1	1325.3
22.5°	7921.4	7850.0	7411.6	5770.3	4241.0	3089.0	2253.1	1651.6	1335.5	1233.6	1182.6
25°	8838.9	8706.4	8298.6	6320.8	4281.8	2854.6	1896.2	1366.1	1192.8	1121.4	1090.8
27.5°	9634.1	9552.6	9093.8	6840.7	4302.2	2671.0	1651.6	1243.8	1111.2	1050.1	1029.7
30°	10235.6	10205.0	9756.4	7411.6	4251.2	2446.8	1498.6	1192.8	1111.2	1050.1	988.9
32.5°	10837.1	10847.3	10368.1	7850.0	4179.9	2253.1	1355.9	1060.3	978.7	937.9	948.1
35°	11459.0	11510.0	11102.2	8278.2	4027.0	2181.7	1254.0	988.9	917.5	856.4	825.8
37.5°	12244.0	12376.5	11978.9	8757.4	3874.0	2120.5	1203.0	937.9	866.6	815.6	774.8
40°	12876.1	13120.7	12886.3	9205.9	3772.1	2049.2	1162.2	886.9	836.0	774.8	744.2
42.5°	13345.0	13630.5	13548.9	9552.6	3772.1	1977.8	1121.4	856.4	815.6	744.2	703.4
45°	13752.8	14048.5	14038.3	9909.4	3853.6	1937.0	1070.5	856.4	795.2	723.8	683.1
47.5°	14119.8	14415.5	14517.4	10357.9	3986.2	1916.6	1009.3	836.0	795.2	713.6	652.5
50°	14517.4	14843.7	15149.5	11071.6	4149.3	1865.7	968.5	805.4	805.4	703.4	632.1
52.5°	15027.2	15394.2	15954.9	11958.5	4312.4	1773.9	907.3	785.0	805.4	693.2	611.7
55°	15853.0	16158.8	16892.8	13018.8	4516.3	1661.8	856.4	734.0	764.6	662.7	581.1
57.5°	16780.7	17045.7	17657.4	13834.4	4577.5	1519.0	785.0	683.1	734.0	632.1	540.3
60°	17922.5	18055.0	18055.0	14068.9	4373.6	1386.5	734.0	642.3	662.7	601.5	509.7
62.5°	18646.3	18646.3	18055.0	13640.7	3986.2	1274.4	693.2	601.5	581.1	560.7	479.2
65°	18595.4	18513.8	17637.0	12396.9	3537.6	1203.0	652.5	550.5	519.9	509.7	448.6
67.5°	17739.0	17596.3	16403.5	10643.4	3068.6	1172.4	611.7	499.5	479.2	458.8	407.8
70°	15924.3	15557.3	14089.2	8563.7	2609.9	1152.0	601.5	458.8	438.4	418.0	377.2
72.5°	13294.1	12825.1	11000.2	6585.9	2191.9	1080.7	570.9	407.8	397.6	377.2	336.4
75°	10143.9	9277.3	7676.7	5036.2	1702.5	937.9	489.4	356.8	356.8	346.6	305.8
77.5°	6993.7	6545.1	5352.3	3721.1	1243.8	723.8	397.6	316.0	316.0	326.2	285.5
80°	4944.5	4526.5	3812.9	2671.0	785.0	489.4	305.8	265.1	295.6	316.0	265.1
82.5°	3782.3	3476.4	2834.2	1947.2	458.8	336.4	234.5	214.1	254.9	275.3	224.3
85°	2630.3	2263.3	1437.5	1304.9	265.1	203.9	173.3	173.3	224.3	275.3	203.9
87.5°	744.2	316.0	91.8	387.4	112.1	81.6	61.2	40.8	61.2	61.2	40.8
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: P598641
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1
2.5°	6320.8	6259.6	6259.6	6239.2	6249.4	6259.6	6249.4	6320.8	6351.4	6392.2	6473.7
5°	4852.7	4934.3	4873.1	4934.3	5015.9	5138.2	5168.8	5260.5	5270.7	5342.1	5301.3
7.5°	3598.8	3588.6	3537.6	3609.0	3833.3	4006.6	4088.1	4139.1	4149.3	4149.3	4098.3
10°	3048.3	2956.5	2864.7	2813.8	2834.2	3017.7	3078.8	3109.4	3089.0	3119.6	3078.8
12.5°	2609.9	2528.3	2395.8	2304.0	2242.9	2293.8	2355.0	2385.6	2406.0	2457.0	2497.7
15°	2120.5	2039.0	1957.4	1906.4	1855.5	1814.7	1865.7	1896.2	1947.2	1988.0	2008.4
17.5°	1610.8	1570.0	1529.2	1559.8	1559.8	1539.4	1559.8	1570.0	1590.4	1621.0	1610.8
20°	1304.9	1294.7	1284.5	1335.5	1376.3	1376.3	1396.7	1366.1	1355.9	1325.3	1315.1
22.5°	1162.2	1162.2	1172.4	1213.2	1254.0	1274.4	1274.4	1223.4	1172.4	1152.0	1162.2
25°	1080.7	1080.7	1111.2	1121.4	1141.8	1141.8	1152.0	1101.0	1070.5	1039.9	1050.1
27.5°	1019.5	1019.5	1029.7	1029.7	1039.9	1039.9	1050.1	1029.7	988.9	978.7	978.7
30°	978.7	978.7	968.5	968.5	968.5	968.5	978.7	948.1	927.7	917.5	917.5
32.5°	937.9	927.7	917.5	917.5	907.3	907.3	917.5	886.9	876.8	876.8	876.8
35°	815.6	805.4	815.6	836.0	836.0	846.2	846.2	836.0	815.6	795.2	785.0
37.5°	764.6	754.4	754.4	754.4	774.8	785.0	795.2	774.8	744.2	713.6	713.6
40°	723.8	723.8	713.6	713.6	713.6	734.0	754.4	723.8	683.1	672.9	672.9
42.5°	693.2	683.1	672.9	662.7	652.5	683.1	703.4	662.7	642.3	642.3	642.3
45°	662.7	652.5	642.3	632.1	621.9	632.1	652.5	611.7	601.5	601.5	601.5
47.5°	632.1	621.9	601.5	591.3	581.1	581.1	601.5	570.9	560.7	570.9	570.9
50°	611.7	591.3	570.9	560.7	550.5	550.5	550.5	540.3	540.3	540.3	550.5
52.5°	591.3	570.9	540.3	530.1	519.9	519.9	519.9	519.9	509.7	519.9	530.1
55°	560.7	540.3	519.9	509.7	499.5	489.4	499.5	489.4	489.4	499.5	499.5
57.5°	519.9	499.5	479.2	479.2	469.0	469.0	479.2	469.0	469.0	479.2	479.2
60°	489.4	469.0	448.6	448.6	438.4	448.6	458.8	448.6	448.6	448.6	458.8
62.5°	448.6	438.4	418.0	418.0	418.0	418.0	428.2	418.0	428.2	428.2	428.2
65°	418.0	397.6	387.4	387.4	387.4	387.4	407.8	387.4	397.6	397.6	397.6
67.5°	387.4	367.0	356.8	356.8	356.8	356.8	377.2	356.8	367.0	377.2	367.0
70°	356.8	336.4	326.2	326.2	326.2	326.2	336.4	326.2	326.2	336.4	336.4
72.5°	316.0	305.8	295.6	295.6	285.5	295.6	305.8	295.6	295.6	295.6	295.6
75°	285.5	275.3	275.3	265.1	265.1	265.1	275.3	254.9	254.9	254.9	254.9
77.5°	265.1	244.7	244.7	244.7	234.5	244.7	234.5	214.1	214.1	214.1	214.1
80°	224.3	203.9	214.1	214.1	203.9	203.9	193.7	173.3	173.3	173.3	173.3
82.5°	183.5	163.1	173.3	173.3	173.3	173.3	152.9	142.7	132.5	122.3	122.3
85°	163.1	132.5	152.9	152.9	142.7	142.7	101.9	101.9	81.6	81.6	71.4
87.5°	30.6	20.4	40.8	51.0	51.0	61.2	40.8	51.0	30.6	20.4	20.4
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: P598641
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1
2.5°	6463.5	6575.7	6728.6	6840.7	7014.0	7146.6	7350.5	7523.8	7686.9	7758.3	7829.6
5°	5423.6	5495.0	5729.5	5913.0	6188.3	6483.9	6850.9	7248.5	7656.3	7839.8	8053.9
7.5°	4057.5	4190.1	4322.6	4587.7	4924.1	5403.3	5872.2	6463.5	7034.4	7309.7	7676.7
10°	3150.2	3252.1	3405.1	3680.3	3996.4	4394.0	4954.7	5658.1	6341.2	6698.0	7075.2
12.5°	2528.3	2671.0	2874.9	3160.4	3527.4	3935.2	4343.0	4995.5	5790.7	6198.5	6626.6
15°	2049.2	2161.3	2385.6	2742.4	3170.6	3588.6	4016.8	4557.1	5423.6	5892.6	6402.4
17.5°	1631.2	1712.7	1916.6	2273.4	2701.6	3170.6	3659.9	4343.0	5301.3	5872.2	6473.7
20°	1325.3	1386.5	1519.0	1784.1	2191.9	2701.6	3313.3	4139.1	5372.7	6106.7	6840.7
22.5°	1162.2	1182.6	1243.8	1386.5	1722.9	2263.3	2997.3	3965.8	5505.2	6453.3	7442.2
25°	1050.1	1070.5	1090.8	1182.6	1376.3	1886.0	2722.0	3863.8	5790.7	6963.1	8135.5
27.5°	978.7	999.1	1009.3	1050.1	1182.6	1610.8	2487.5	3802.7	6178.1	7707.3	8991.8
30°	917.5	917.5	948.1	1009.3	1101.0	1417.1	2283.6	3659.9	6585.9	8329.2	9664.7
32.5°	866.6	876.8	917.5	948.1	1009.3	1254.0	2079.7	3476.4	6952.9	8838.9	10327.4
35°	774.8	774.8	785.0	836.0	917.5	1121.4	1896.2	3292.9	7156.8	9338.5	10918.7
37.5°	713.6	723.8	744.2	785.0	856.4	1029.7	1743.3	3089.0	7370.9	9807.4	11611.9
40°	672.9	683.1	703.4	744.2	815.6	948.1	1610.8	2925.9	7595.1	10317.2	12356.1
42.5°	642.3	652.5	672.9	713.6	774.8	927.7	1468.1	2793.4	7727.7	10786.1	13059.6
45°	611.7	621.9	652.5	693.2	744.2	907.3	1386.5	2701.6	7778.7	11102.2	13620.3
47.5°	581.1	591.3	621.9	683.1	744.2	876.8	1355.9	2650.7	7819.4	11459.0	14068.9
50°	550.5	570.9	611.7	672.9	754.4	836.0	1335.5	2640.5	8053.9	11917.8	14497.0
52.5°	530.1	560.7	601.5	672.9	744.2	774.8	1325.3	2671.0	8522.9	12600.8	15108.7
55°	509.7	540.3	581.1	672.9	713.6	723.8	1274.4	2722.0	9236.5	13548.9	15975.3
57.5°	489.4	509.7	560.7	652.5	672.9	683.1	1172.4	2793.4	9950.1	14476.7	16862.2
60°	458.8	479.2	530.1	652.5	611.7	642.3	1039.9	2813.8	10459.9	14772.3	16943.8
62.5°	428.2	448.6	499.5	672.9	560.7	601.5	927.7	2742.4	10561.8	14344.1	16485.0
65°	397.6	418.0	458.8	560.7	519.9	560.7	856.4	2548.7	10225.4	13365.4	15649.1
67.5°	367.0	387.4	418.0	458.8	469.0	509.7	825.8	2242.9	9379.2	12152.2	14507.2
70°	326.2	346.6	377.2	407.8	418.0	479.2	774.8	1947.2	8013.1	10531.3	13110.5
72.5°	295.6	305.8	336.4	356.8	377.2	438.4	744.2	1702.5	6127.1	8522.9	10694.4
75°	254.9	254.9	285.5	305.8	326.2	387.4	683.1	1417.1	4322.6	6504.3	7860.2
77.5°	214.1	214.1	234.5	254.9	275.3	336.4	581.1	1152.0	2997.3	5158.6	5698.9
80°	163.1	163.1	183.5	203.9	224.3	285.5	469.0	846.2	1855.5	3772.1	4149.3
82.5°	112.1	112.1	142.7	152.9	163.1	224.3	356.8	581.1	1090.8	2722.0	2966.7
85°	61.2	61.2	81.6	91.8	112.1	163.1	265.1	407.8	652.5	1967.6	1977.8
87.5°	10.2	10.2	30.6	30.6	51.0	81.6	152.9	224.3	367.0	1090.8	693.2
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: P598641
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1	7279.1
2.5°	7962.2	8074.3	8084.5	8084.5	8033.5	8043.7	7901.0	7748.1	7697.1	7686.9
5°	8380.1	8675.8	8757.4	8798.1	8665.6	8461.7	8094.7	7697.1	7493.2	7462.6
7.5°	8298.6	8889.9	9205.9	9246.7	8981.6	8502.5	7860.2	7248.5	7014.0	6952.9
10°	7819.4	8614.6	9185.5	9328.3	9042.8	8431.1	7595.1	6881.5	6596.1	6545.1
12.5°	7483.0	8247.6	8808.3	9002.0	8869.5	8339.4	7462.6	6647.0	6361.6	6290.2
15°	7299.5	8002.9	8370.0	8431.1	8420.9	8196.6	7462.6	6698.0	6382.0	6300.4
17.5°	7452.4	7931.6	7982.5	7839.8	7921.4	8033.5	7625.7	6973.3	6667.4	6596.1
20°	7758.3	7901.0	7656.3	7442.2	7483.0	7839.8	7880.6	7493.2	7248.5	7126.2
22.5°	8400.5	8013.1	7452.4	7156.8	7187.4	7686.9	8217.0	8196.6	7982.5	7921.4
25°	9053.0	8329.2	7391.2	7044.6	7085.4	7656.3	8614.6	8981.6	8869.5	8838.9
27.5°	9776.8	8859.3	7432.0	6993.7	7044.6	7697.1	8889.9	9644.3	9664.7	9634.1
30°	10266.2	9114.2	7554.4	7054.8	7126.2	7799.0	8951.1	10041.9	10225.4	10235.6
32.5°	10674.0	9369.0	7809.2	7156.8	7279.1	7982.5	9114.2	10419.1	10826.9	10837.1
35°	11000.2	9654.5	8125.3	7340.3	7523.8	8288.4	9328.3	10775.9	11387.6	11459.0
37.5°	11418.2	9970.5	8492.3	7737.9	7941.8	8726.8	9705.5	11193.9	12050.3	12244.0
40°	11866.8	10286.6	9022.4	8380.1	8675.8	9379.2	10133.7	11662.9	12611.0	12876.1
42.5°	12366.3	10623.0	9623.9	9246.7	9695.3	10205.0	10623.0	12091.1	13039.2	13345.0
45°	12855.7	11030.8	10500.7	10429.3	10928.9	11183.7	11102.2	12396.9	13447.0	13752.8
47.5°	13202.3	11622.1	11560.9	11989.1	12458.1	12325.5	11662.9	12621.2	13783.4	14119.8
50°	13518.3	12356.1	12896.5	13732.4	14017.9	13569.3	12264.4	12927.0	14140.2	14517.4
52.5°	13987.3	13141.1	14272.8	15312.6	15587.9	14874.3	12916.8	13426.6	14690.7	15027.2
55°	14945.6	14028.1	15710.2	16903.0	16954.0	16067.0	13793.6	14272.8	15465.6	15853.0
57.5°	16016.1	15118.9	16852.0	18218.2	18197.8	17259.8	14782.5	15414.6	16515.6	16780.7
60°	16984.6	16220.0	18095.8	19156.1	19105.1	18126.4	15934.5	16709.3	17718.6	17922.5
62.5°	17555.5	17219.1	18646.3	19451.7	19258.0	18411.9	16913.2	17861.3	18575.0	18646.3
65°	17463.7	17790.0	18004.1	18503.6	18228.3	17616.7	17392.4	18595.4	18666.7	18595.4
67.5°	16770.5	17463.7	16240.4	16291.3	16148.6	15628.7	16648.2	18401.7	17912.3	17739.0
70°	15720.4	15771.4	13579.5	12937.2	13161.5	12447.9	14283.0	16892.8	16138.4	15924.3
72.5°	13977.1	13345.0	10266.2	9613.7	9950.1	9440.4	11459.0	14721.3	13987.3	13294.1
75°	11724.0	10572.0	7819.4	6891.7	7065.0	7044.6	8879.7	12162.4	10837.1	10143.9
77.5°	9083.6	8237.4	5770.3	5413.5	5229.9	5270.7	6198.5	9042.8	7860.2	6993.7
80°	6636.8	5760.1	4465.3	4669.2	4567.3	4322.6	4343.0	6055.7	5464.4	4944.5
82.5°	4587.7	4098.3	3619.2	4088.1	3843.4	3466.2	3384.7	4363.4	4098.3	3782.3
85°	3078.8	3374.5	2874.9	3129.8	2711.8	2497.7	3180.8	3649.7	2946.3	2630.3
87.5°	2008.4	3089.0	2069.5	1570.0	897.1	1203.0	1947.2	2395.8	1376.3	744.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)