

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: P599305

Luminaire Tested: **IFLD-L-SA7C-760-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: P599305
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-760-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

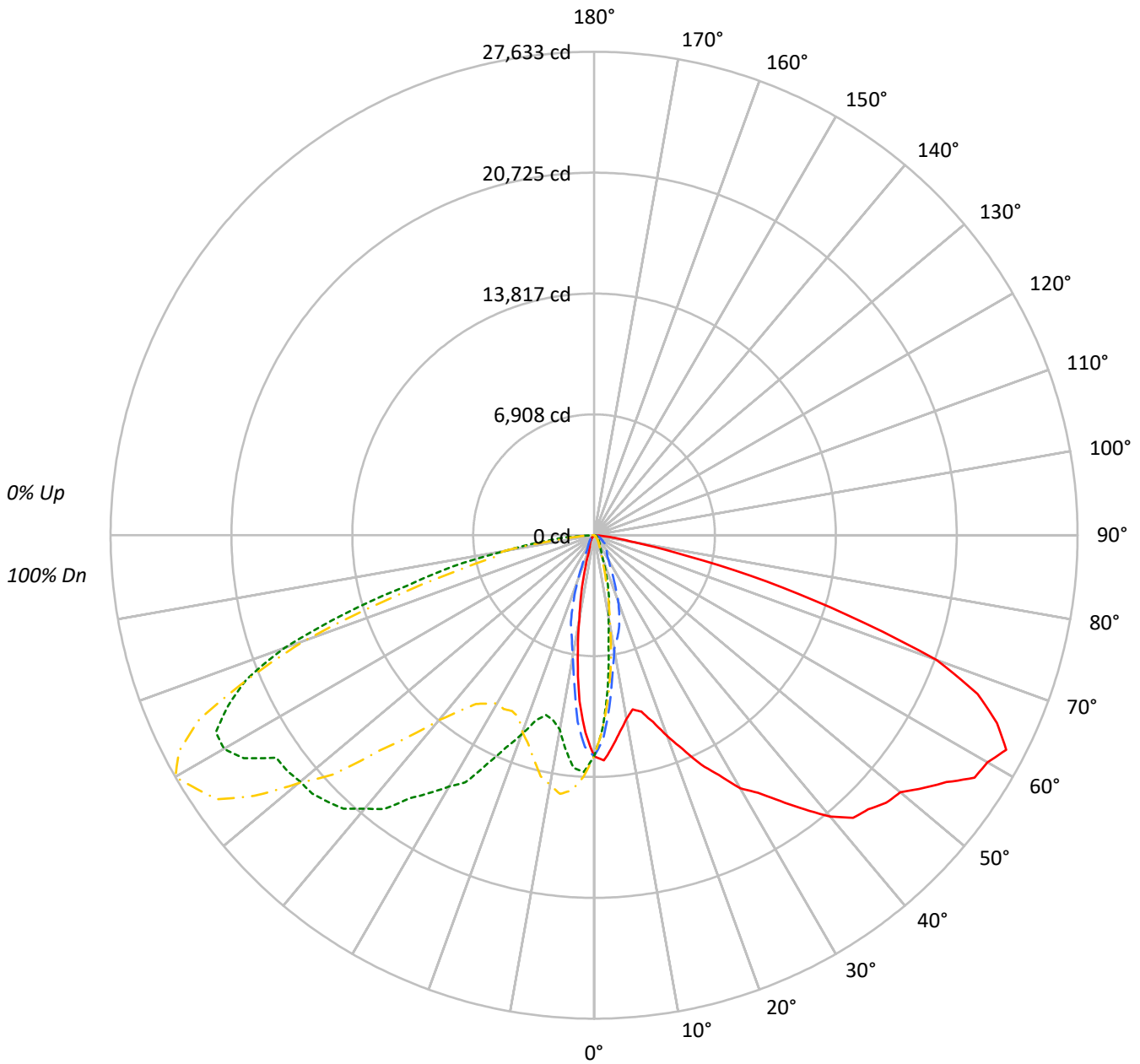
Lumens per Lamp: N/A
 Luminaire Lumens: 33030.7 lumens
 Efficiency: N/A
 Efficacy: 89.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 369
 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°	67961	67961	67961	67961
5°	65430	47822	51478	72118
10°	58255	26037	26377	61661
15°	58152	17366	10618	59244
20°	69824	8671	4233	69416
25°	85881	5447	3279	85458
30°	103766	4372	2490	103102
35°	121757	3510	1931	120528
40°	147403	3003	1251	143337
45°	168636	2711	678	163960
50°	191326	2610	149	183497
55°	230791	2507	0	208062
60°	279418	2109	0	262834
65°	323548	1701	0	294063
70°	327625	1402	0	296517
75°	212029	925	0	227398
80°	72314	276	0	160912
85°	36291	0	0	118229

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.6	2.9
10°-20°	1852.2	5.6
20°-30°	2579.7	7.8
30°-40°	3665.5	11.1
40°-50°	5083.0	15.4
50°-60°	6925.8	21.0
60°-70°	7614.4	23.1
70°-80°	3742.4	11.3
80°-90°	611.1	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°	5388.5	16.3
0°-40°	9054.0	27.4
0°-60°	21062.8	63.8
0°-90°	33030.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33030.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12628	12628	12628	12628	12628	
5°	12111	8852	9529	13349	12111	1108
15°	10437	3117	1906	10633	10437	3089
25°	14462	917	552	14391	14462	6724
35°	18532	534	294	18345	18532	11763
45°	22156	356	89	21542	22156	17175
55°	24596	267	0	22174	24596	22126
65°	25407	134	0	23091	25407	24553
75°	10196	44	0	10936	10196	11116
85°	588	0	0	1915	588	813
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°	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6
2.5°	12885.9	13037.3	12894.8	12396.1	12307.0	12066.6	11701.5	11674.8	11291.8	11336.4	11131.5
5°	12111.1	12262.5	11959.7	11300.7	10686.3	10196.5	9902.6	9377.2	9261.4	9003.2	9003.2
7.5°	11318.6	11309.6	10793.1	10241.0	9323.8	8424.3	8014.7	7257.8	6812.5	6572.1	6340.5
10°	10659.6	10517.1	10196.5	9056.6	8059.2	7124.2	6616.6	6117.9	5654.8	5254.1	4853.4
12.5°	10196.5	10285.5	9777.9	8540.1	7248.9	6598.8	6055.6	5530.1	4978.0	4523.9	4078.6
15°	10436.9	10294.4	9697.8	8424.3	7115.3	6224.8	5503.4	4862.3	4247.8	3651.1	3312.7
17.5°	11185.0	10819.9	10116.3	8424.3	6839.2	5654.8	4782.1	4025.2	3366.2	2831.9	2413.3
20°	12191.3	11772.7	11015.8	8736.0	6634.4	5236.3	4043.0	3090.1	2404.4	1905.7	1585.1
22.5°	13224.3	12894.8	11754.9	8860.7	6394.0	4675.2	3188.1	2235.2	1602.9	1282.4	1122.1
25°	14462.1	13999.0	12752.3	9359.4	6037.7	4132.0	2511.3	1558.4	1193.3	1024.1	926.1
27.5°	15450.6	15370.4	13687.3	9662.2	5770.6	3686.8	1985.9	1237.8	988.5	863.8	801.5
30°	16697.3	16261.0	14827.2	10267.7	5467.8	3179.2	1656.4	1113.2	908.3	774.8	730.2
32.5°	17445.4	17240.5	15423.9	10606.1	5129.4	2760.6	1424.8	979.6	828.2	730.2	685.7
35°	18531.8	18122.1	16278.8	10819.9	4951.3	2520.2	1282.4	890.5	694.6	596.7	543.2
37.5°	19742.9	19591.5	17302.9	10811.0	4693.1	2377.7	1184.4	828.2	659.0	552.1	489.8
40°	20980.7	20366.3	17926.2	11060.3	4559.5	2270.8	1113.2	792.6	623.4	525.4	445.3
42.5°	21906.9	21203.4	18647.6	10971.2	4399.2	2083.8	1086.4	739.1	596.7	480.9	409.6
45°	22156.2	21906.9	19297.6	10944.5	4283.4	1932.4	1041.9	730.2	578.8	454.2	382.9
47.5°	22637.1	22467.9	20099.1	10989.1	4194.4	1816.7	935.0	748.0	552.1	427.5	365.1
50°	22850.8	22548.0	20749.2	11095.9	3989.5	1674.2	837.1	783.7	543.2	418.5	347.3
52.5°	23732.4	23465.3	21639.7	11398.7	3820.3	1487.2	739.1	748.0	561.0	391.8	329.5
55°	24596.3	24293.5	23011.1	12093.3	3579.9	1335.8	632.3	659.0	534.3	356.2	293.9
57.5°	25780.6	25282.0	23928.4	12378.3	3366.2	1131.0	561.0	543.2	498.7	320.6	258.3
60°	25958.8	26163.6	23794.8	12200.2	3143.5	997.4	489.8	418.5	534.3	285.0	222.6
62.5°	26555.4	25700.5	23171.4	11790.5	2983.3	917.2	436.4	347.3	463.1	249.3	187.0
65°	25406.6	24774.4	21711.0	10472.6	2778.4	926.1	382.9	285.0	293.9	204.8	151.4
67.5°	23723.5	23224.8	19288.7	9038.8	2573.6	908.3	338.4	249.3	222.6	178.1	133.6
70°	20820.4	19742.9	16385.6	7337.9	2270.8	846.0	285.0	222.6	187.0	142.5	98.0
72.5°	15147.8	14711.4	11754.9	5672.6	2039.3	765.8	267.2	187.0	160.3	106.9	80.1
75°	10196.5	9475.2	7418.1	3722.4	1638.6	667.9	222.6	169.2	124.7	80.1	62.3
77.5°	5387.7	5093.8	4203.3	1772.1	908.3	311.7	124.7	98.0	71.2	62.3	35.6
80°	2333.2	2074.9	1816.7	721.3	320.6	142.5	80.1	53.4	44.5	35.6	17.8
82.5°	1193.3	1139.9	944.0	311.7	187.0	106.9	44.5	35.6	26.7	17.8	8.9
85°	587.7	605.6	498.7	98.0	106.9	62.3	8.9	8.9	0.0	0.0	0.0
87.5°	44.5	44.5	35.6	17.8	26.7	8.9	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°	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6
2.5°	11051.4	11176.1	10962.3	11095.9	11033.6	11060.3	11087.0	11015.8	11033.6	11282.9	11291.8
5°	8851.8	9092.2	9003.2	9127.9	9341.6	9234.7	9332.7	9314.9	9332.7	9368.3	9528.6
7.5°	6313.8	6242.6	6411.8	6741.3	7124.2	7355.7	7240.0	7177.6	7142.0	7052.9	7159.8
10°	4764.3	4728.7	4684.2	4782.1	5031.5	5289.7	5432.2	5191.8	5058.2	4889.0	4826.6
12.5°	3953.9	3731.3	3606.6	3455.2	3526.5	3758.0	3766.9	3535.4	3321.7	3232.6	3330.6
15°	3116.8	2965.4	2742.8	2529.1	2422.2	2600.3	2448.9	2226.3	1950.2	1914.6	1905.7
17.5°	2226.3	2137.3	1977.0	1887.9	1763.2	1718.7	1558.4	1220.0	1024.1	970.7	988.5
20°	1513.9	1442.6	1433.7	1353.6	1300.2	1264.5	1006.3	783.7	721.3	730.2	739.1
22.5°	1122.1	1086.4	1041.9	1033.0	988.5	944.0	739.1	659.0	614.5	614.5	641.2
25°	917.2	899.4	854.9	837.1	819.3	756.9	623.4	561.0	543.2	525.4	552.1
27.5°	783.7	774.8	748.0	721.3	703.5	641.2	543.2	489.8	472.0	472.0	472.0
30°	703.5	703.5	667.9	614.5	614.5	543.2	463.1	427.5	409.6	409.6	400.7
32.5°	659.0	641.2	596.7	561.0	534.3	463.1	409.6	374.0	347.3	347.3	356.2
35°	534.3	534.3	525.4	498.7	463.1	391.8	347.3	311.7	293.9	285.0	293.9
37.5°	472.0	445.3	409.6	418.5	400.7	338.4	293.9	267.2	240.4	240.4	240.4
40°	427.5	400.7	365.1	338.4	329.5	302.8	258.3	213.7	187.0	178.1	178.1
42.5°	382.9	365.1	311.7	267.2	258.3	258.3	195.9	160.3	133.6	133.6	133.6
45°	356.2	329.5	285.0	231.5	187.0	195.9	160.3	115.8	98.0	89.1	89.1
47.5°	338.4	311.7	249.3	195.9	142.5	142.5	115.8	80.1	62.3	53.4	53.4
50°	311.7	285.0	222.6	160.3	106.9	89.1	71.2	44.5	26.7	17.8	17.8
52.5°	293.9	267.2	195.9	133.6	89.1	62.3	44.5	8.9	0.0	0.0	0.0
55°	267.2	231.5	169.2	106.9	71.2	35.6	8.9	0.0	0.0	0.0	0.0
57.5°	231.5	204.8	133.6	80.1	44.5	8.9	0.0	0.0	0.0	0.0	0.0
60°	195.9	169.2	106.9	62.3	17.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	160.3	142.5	80.1	35.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	133.6	106.9	62.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	115.8	89.1	44.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	89.1	62.3	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	62.3	44.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	44.5	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	26.7	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.9	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°	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6
2.5°	11327.5	11594.6	11844.0	11915.2	12111.1	12654.3	12654.3	12912.6	13375.7	13544.9	13580.5
5°	9555.3	9840.3	9893.7	10445.8	10704.1	11256.2	11621.3	12494.0	13019.4	13348.9	13553.8
7.5°	7266.7	7364.6	7569.4	8086.0	8593.5	9261.4	9956.0	11069.2	11995.3	12369.4	13064.0
10°	4995.8	5289.7	5735.0	6198.0	6990.6	7729.7	8629.2	9680.0	10819.9	11282.9	11879.6
12.5°	3366.2	3775.8	4488.2	5147.2	5877.5	6625.5	7480.4	8887.4	10178.7	10819.9	11416.5
15°	1968.1	2466.7	3081.2	4149.8	5120.5	5957.6	6812.5	8237.3	9804.7	10632.8	11363.1
17.5°	997.4	1148.8	1656.4	2582.5	3864.9	5236.3	6509.7	8326.4	10089.6	11104.8	11710.4
20°	748.0	792.6	935.0	1371.4	2644.9	4327.9	6224.8	8460.0	10882.2	12120.0	12449.5
22.5°	650.1	685.7	748.0	890.5	1487.2	3312.7	5824.0	8789.5	11959.7	13126.3	13820.9
25°	552.1	587.7	641.2	730.2	952.9	2253.0	5334.2	9136.8	12921.5	14390.9	15040.9
27.5°	480.9	507.6	561.0	632.3	774.8	1433.7	4488.2	9599.8	14390.9	15922.6	16091.8
30°	409.6	436.4	480.9	561.0	659.0	1015.2	3294.9	9662.2	15201.2	16590.4	17062.4
32.5°	356.2	365.1	418.5	489.8	552.1	801.5	2315.4	9724.5	15797.9	17454.3	17552.2
35°	293.9	311.7	365.1	409.6	480.9	632.3	1754.3	9412.8	16572.6	18344.8	18318.1
37.5°	240.4	267.2	302.8	338.4	391.8	534.3	1398.1	8834.0	17543.3	19725.1	18888.0
40°	187.0	213.7	249.3	293.9	329.5	480.9	1050.8	7961.3	18558.5	20401.9	19511.4
42.5°	133.6	151.4	187.0	231.5	293.9	400.7	756.9	6928.3	18959.2	21194.5	20259.4
45°	98.0	115.8	142.5	195.9	302.8	320.6	525.4	5984.3	19386.7	21541.8	20090.2
47.5°	53.4	71.2	106.9	169.2	267.2	240.4	374.0	5138.3	19876.5	21853.4	20223.8
50°	17.8	26.7	62.3	178.1	213.7	187.0	293.9	4684.2	20357.4	21915.8	20490.9
52.5°	0.0	0.0	35.6	187.0	160.3	142.5	258.3	4506.0	20232.7	22111.7	20321.7
55°	0.0	0.0	8.9	80.1	89.1	106.9	213.7	4497.1	21114.3	22174.0	21247.9
57.5°	0.0	0.0	0.0	26.7	53.4	89.1	187.0	4212.2	21675.3	23723.5	22494.6
60°	0.0	0.0	0.0	8.9	35.6	62.3	142.5	3962.8	22245.3	24418.1	23830.4
62.5°	0.0	0.0	0.0	0.0	8.9	26.7	98.0	3579.9	21096.5	24364.7	25121.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	62.3	2831.9	18977.1	23091.3	24409.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	35.6	1959.2	16617.2	21488.3	23100.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1184.4	13411.3	18843.5	19591.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	507.6	9573.1	14960.8	16073.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204.8	5922.0	10935.6	12307.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.1	3838.2	8281.9	9341.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	2048.2	5191.8	6037.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	890.5	3152.5	3633.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	285.0	1914.6	2181.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	293.9	391.8
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: P599305
 CATALOG NUMBER: IFLD-L-SA7C-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6	12627.6
2.5°	13598.3	13856.5	13954.5	13803.1	13820.9	13509.2	13464.7	13028.4	12850.3	12885.9
5°	14221.7	14595.7	14800.5	14631.3	14248.4	13651.7	13108.5	12592.0	12271.4	12111.1
7.5°	14079.2	14497.7	14756.0	14916.3	14479.9	13518.1	12690.0	11719.3	11309.6	11318.6
10°	13295.5	14168.2	14693.6	14488.8	14284.0	13322.2	12039.9	10989.1	10623.9	10659.6
12.5°	12663.2	13633.9	13945.6	14105.9	13687.3	12921.5	12057.7	10855.5	10445.8	10196.5
15°	12271.4	12992.7	13010.5	13259.9	13090.7	13090.7	12244.7	11069.2	10713.0	10436.9
17.5°	12271.4	12431.7	12413.9	12502.9	12787.9	13126.3	12716.7	11933.0	11229.5	11185.0
20°	12547.5	12048.8	11933.0	11968.6	12209.1	13215.4	13758.6	12779.0	12333.7	12191.3
22.5°	13188.6	12093.3	11389.8	11265.1	12004.3	13206.5	14426.5	14114.8	13340.0	13224.3
25°	14070.3	12013.2	11247.3	11087.0	11648.0	13527.0	15343.7	15406.1	14702.5	14462.1
27.5°	14907.4	12369.4	11229.5	11193.9	11933.0	13455.8	15976.0	16439.1	15646.5	15450.6
30°	15192.3	12725.6	11559.0	11087.0	12039.9	13714.1	15958.2	17169.3	16652.8	16697.3
32.5°	15530.7	13081.8	11594.6	11407.6	12494.0	14132.6	16465.8	18344.8	17970.8	17445.4
35°	16029.4	13562.7	11933.0	11763.8	12814.6	14506.6	16572.6	19208.6	19146.2	18531.8
37.5°	16456.9	14034.6	12636.5	12663.2	13794.2	15112.2	17044.6	20268.3	20161.4	19742.9
40°	16759.6	14693.6	13731.9	13803.1	14649.1	15789.0	17881.7	20802.6	21595.2	20980.7
42.5°	16804.2	15281.4	14987.5	15557.4	16350.0	16839.8	18220.1	21167.7	22307.6	21906.9
45°	16973.4	16216.4	17035.7	17454.3	18104.3	17765.9	18202.3	21791.1	22361.0	22156.2
47.5°	17632.4	17917.3	18950.3	20223.8	20455.3	19342.2	18629.7	21889.1	22663.8	22637.1
50°	18318.1	19742.9	21194.5	22040.5	22334.3	20428.6	19030.5	21808.9	23064.6	22850.8
52.5°	19083.9	21328.0	23420.8	24462.7	24302.4	21630.8	19484.6	22459.0	23803.7	23732.4
55°	19564.8	22040.5	24854.5	26306.1	26181.4	22975.5	20927.3	23394.0	24774.4	24596.3
57.5°	20838.2	23198.1	26279.3	26956.1	27285.6	24738.7	21933.6	24925.7	25584.7	25780.6
60°	21889.1	23955.1	26653.4	27632.9	27748.7	25789.6	23696.8	26502.0	26617.7	25958.8
62.5°	23429.7	24248.9	25860.8	26742.4	27339.1	26386.2	25282.0	27348.0	26599.9	26555.4
65°	24560.6	23287.2	24382.5	24872.3	25255.2	25477.9	26876.0	27926.8	26270.4	25406.6
67.5°	23928.4	21470.5	21265.7	21292.4	21408.2	22752.9	26341.7	26510.9	24436.0	23723.5
70°	21060.9	17614.5	17338.5	17552.2	16973.4	18594.1	24177.7	24097.6	21559.6	20820.4
72.5°	17035.7	12841.3	12369.4	12663.2	12796.8	14515.5	20339.6	18273.5	15726.6	15147.8
75°	13536.0	9412.8	7943.5	8655.9	9110.1	10570.5	15886.9	12413.9	10980.2	10196.5
77.5°	10632.8	7124.2	6180.2	5895.3	6313.8	7685.2	11559.0	6518.6	5752.8	5387.7
80°	6741.3	5236.3	5681.5	5271.9	5450.0	5485.6	6019.9	2965.4	2359.9	2333.2
82.5°	4060.8	3579.9	4256.7	2342.1	4265.6	3811.4	2502.4	1344.7	1193.3	1193.3
85°	2876.4	2217.4	1469.4	952.9	1896.8	2092.7	970.7	694.6	605.6	587.7
87.5°	1442.6	685.7	329.5	213.7	240.4	391.8	115.8	53.4	53.4	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)