

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: P599129

Luminaire Tested: **IFLD-L-SA7A-722-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: P599129  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7A-722-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (112) 2200K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

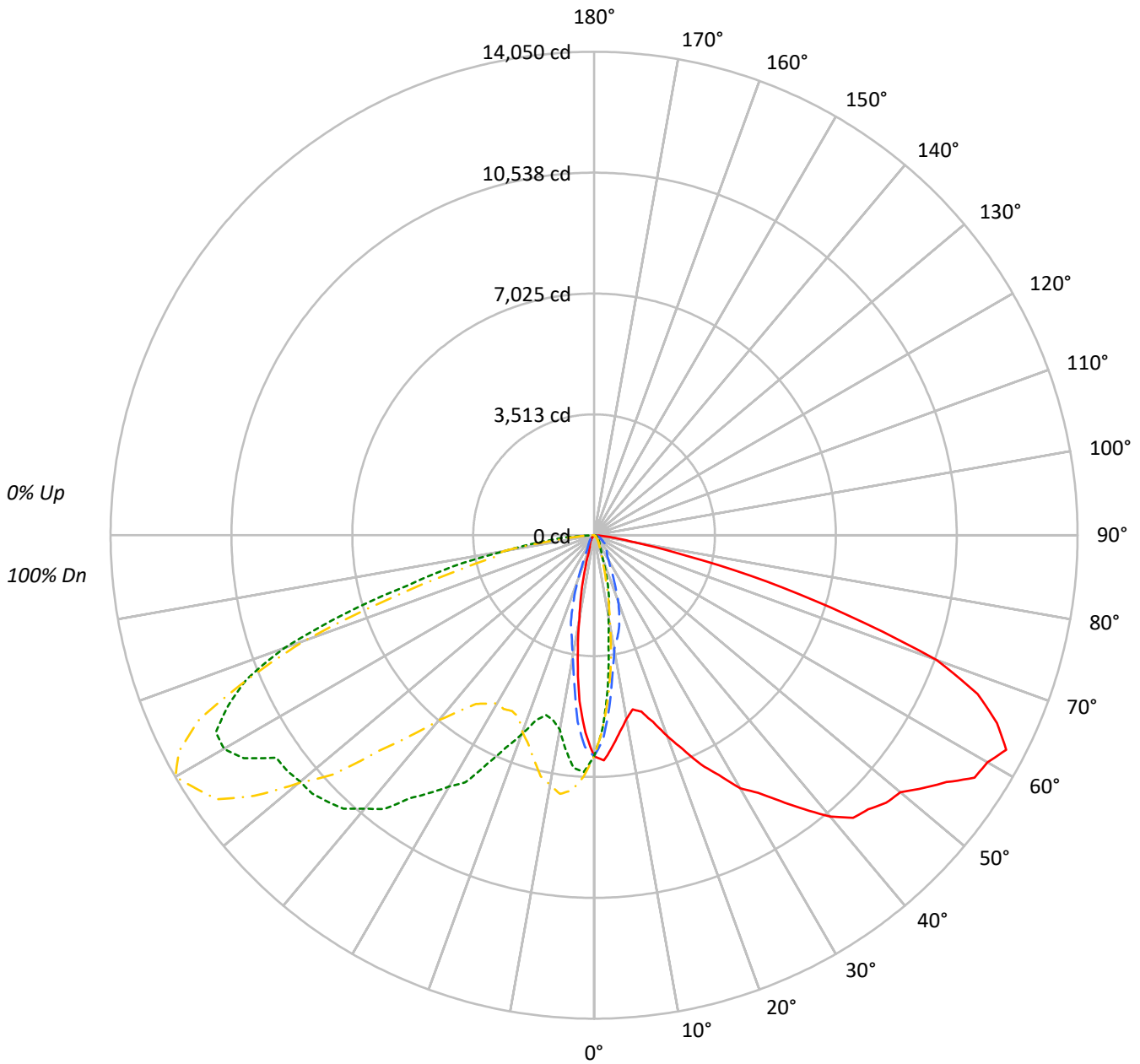
Lumens per Lamp: N/A  
 Luminaire Lumens: 16794.3 lumens  
 Efficiency: N/A  
 Efficacy: 77.2 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 217.6  
 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	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°	34555	34555	34555	34555
5°	33268	24315	26174	36668
10°	29619	13238	13412	31351
15°	29567	8830	5399	30122
20°	35502	4408	2152	35294
25°	43666	2770	1667	43451
30°	52760	2223	1267	52422
35°	61907	1785	982	61282
40°	74946	1527	637	72878
45°	85742	1378	345	83364
50°	97279	1327	76	93299
55°	117344	1274	0	105789
60°	142069	1072	0	133637
65°	164507	865	0	149514
70°	166579	713	0	150763
75°	107806	470	0	115620
80°	36768	139	0	81813
85°	18451	0	0	60115

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.4	2.9
10°-20°	941.8	5.6
20°-30°	1311.6	7.8
30°-40°	1863.7	11.1
40°-50°	2584.4	15.4
50°-60°	3521.4	21.0
60°-70°	3871.5	23.1
70°-80°	1902.8	11.3
80°-90°	310.7	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°	2739.8	16.3
0°-40°	4603.5	27.4
0°-60°	10709.3	63.8
0°-90°	16794.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16794.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6420	6420	6420	6420	6420	
5°	6158	4501	4845	6787	6158	563
15°	5307	1585	969	5406	5307	1571
25°	7353	466	281	7317	7353	3419
35°	9422	272	149	9327	9422	5981
45°	11265	181	45	10953	11265	8733
55°	12506	136	0	11274	12506	11250
65°	12918	68	0	11741	12918	12484
75°	5184	23	0	5560	5184	5652
85°	299	0	0	974	299	413
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°	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5
2.5°	6551.8	6628.7	6556.3	6302.7	6257.4	6135.2	5949.6	5936.0	5741.3	5763.9	5659.8
5°	6157.8	6234.8	6080.9	5745.8	5433.4	5184.4	5034.9	4767.8	4708.9	4577.6	4577.6
7.5°	5754.9	5750.3	5487.7	5207.0	4740.6	4283.3	4075.0	3690.2	3463.8	3341.5	3223.8
10°	5419.8	5347.4	5184.4	4604.8	4097.7	3622.3	3364.2	3110.6	2875.2	2671.4	2467.7
12.5°	5184.4	5229.6	4971.5	4342.2	3685.6	3355.1	3078.9	2811.8	2531.1	2300.1	2073.7
15°	5306.6	5234.2	4930.8	4283.3	3617.7	3164.9	2798.2	2472.2	2159.8	1856.4	1684.3
17.5°	5686.9	5501.3	5143.6	4283.3	3477.4	2875.2	2431.4	2046.6	1711.5	1439.8	1227.0
20°	6198.6	5985.8	5600.9	4441.8	3373.2	2662.4	2055.6	1571.2	1222.5	969.0	806.0
22.5°	6723.8	6556.3	5976.7	4505.2	3251.0	2377.1	1621.0	1136.5	815.0	652.0	570.5
25°	7353.2	7117.7	6483.8	4758.7	3069.9	2100.9	1276.8	792.4	606.7	520.7	470.9
27.5°	7855.8	7815.0	6959.3	4912.7	2934.0	1874.5	1009.7	629.4	502.6	439.2	407.5
30°	8489.7	8267.8	7538.8	5220.6	2780.1	1616.4	842.2	566.0	461.8	393.9	371.3
32.5°	8870.0	8765.9	7842.2	5392.6	2608.0	1403.6	724.5	498.1	421.1	371.3	348.6
35°	9422.4	9214.1	8276.9	5501.3	2517.5	1281.4	652.0	452.8	353.2	303.4	276.2
37.5°	10038.2	9961.2	8797.6	5496.8	2386.2	1208.9	602.2	421.1	335.1	280.7	249.0
40°	10667.5	10355.1	9114.5	5623.6	2318.2	1154.6	566.0	403.0	316.9	267.1	226.4
42.5°	11138.4	10780.7	9481.3	5578.3	2236.7	1059.5	552.4	375.8	303.4	244.5	208.3
45°	11265.2	11138.4	9811.8	5564.7	2177.9	982.5	529.8	371.3	294.3	230.9	194.7
47.5°	11509.7	11423.7	10219.3	5587.3	2132.6	923.7	475.4	380.3	280.7	217.3	185.6
50°	11618.4	11464.4	10549.8	5641.7	2028.5	851.2	425.6	398.4	276.2	212.8	176.6
52.5°	12066.6	11930.8	11002.6	5795.6	1942.4	756.1	375.8	380.3	285.3	199.2	167.5
55°	12505.8	12351.9	11699.9	6148.8	1820.2	679.2	321.5	335.1	271.7	181.1	149.4
57.5°	13108.0	12854.5	12166.3	6293.7	1711.5	575.0	285.3	276.2	253.6	163.0	131.3
60°	13198.6	13302.7	12098.3	6203.1	1598.3	507.1	249.0	212.8	271.7	144.9	113.2
62.5°	13502.0	13067.3	11781.4	5994.8	1516.8	466.4	221.9	176.6	235.4	126.8	95.1
65°	12917.9	12596.4	11038.8	5324.7	1412.7	470.9	194.7	144.9	149.4	104.1	77.0
67.5°	12062.1	11808.6	9807.3	4595.7	1308.5	461.8	172.1	126.8	113.2	90.6	67.9
70°	10586.0	10038.2	8331.2	3730.9	1154.6	430.1	144.9	113.2	95.1	72.4	49.8
72.5°	7701.8	7480.0	5976.7	2884.2	1036.9	389.4	135.8	95.1	81.5	54.3	40.8
75°	5184.4	4817.6	3771.7	1892.6	833.1	339.6	113.2	86.0	63.4	40.8	31.7
77.5°	2739.3	2589.9	2137.1	901.0	461.8	158.5	63.4	49.8	36.2	31.7	18.1
80°	1186.3	1055.0	923.7	366.8	163.0	72.4	40.8	27.2	22.6	18.1	9.1
82.5°	606.7	579.6	479.9	158.5	95.1	54.3	22.6	18.1	13.6	9.1	4.5
85°	298.8	307.9	253.6	49.8	54.3	31.7	4.5	4.5	0.0	0.0	0.0
87.5°	22.6	22.6	18.1	9.1	13.6	4.5	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°	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5
2.5°	5619.0	5682.4	5573.7	5641.7	5610.0	5623.6	5637.1	5600.9	5610.0	5736.7	5741.3
5°	4500.7	4622.9	4577.6	4641.0	4749.7	4695.4	4745.2	4736.1	4745.2	4763.3	4844.8
7.5°	3210.2	3174.0	3260.0	3427.6	3622.3	3740.0	3681.1	3649.4	3631.3	3586.0	3640.4
10°	2422.4	2404.3	2381.6	2431.4	2558.2	2689.5	2762.0	2639.7	2571.8	2485.8	2454.1
12.5°	2010.4	1897.2	1833.8	1756.8	1793.0	1910.7	1915.3	1797.5	1688.9	1643.6	1693.4
15°	1584.7	1507.8	1394.6	1285.9	1231.6	1322.1	1245.2	1132.0	991.6	973.5	969.0
17.5°	1132.0	1086.7	1005.2	959.9	896.5	873.9	792.4	620.3	520.7	493.5	502.6
20°	769.7	733.5	729.0	688.2	661.1	643.0	511.6	398.4	366.8	371.3	375.8
22.5°	570.5	552.4	529.8	525.2	502.6	479.9	375.8	335.1	312.4	312.4	326.0
25°	466.4	457.3	434.7	425.6	416.6	384.9	316.9	285.3	276.2	267.1	280.7
27.5°	398.4	393.9	380.3	366.8	357.7	326.0	276.2	249.0	240.0	240.0	240.0
30°	357.7	357.7	339.6	312.4	312.4	276.2	235.4	217.3	208.3	208.3	203.8
32.5°	335.1	326.0	303.4	285.3	271.7	235.4	208.3	190.2	176.6	176.6	181.1
35°	271.7	271.7	267.1	253.6	235.4	199.2	176.6	158.5	149.4	144.9	149.4
37.5°	240.0	226.4	208.3	212.8	203.8	172.1	149.4	135.8	122.3	122.3	122.3
40°	217.3	203.8	185.6	172.1	167.5	153.9	131.3	108.7	95.1	90.6	90.6
42.5°	194.7	185.6	158.5	135.8	131.3	131.3	99.6	81.5	67.9	67.9	67.9
45°	181.1	167.5	144.9	117.7	95.1	99.6	81.5	58.9	49.8	45.3	45.3
47.5°	172.1	158.5	126.8	99.6	72.4	72.4	58.9	40.8	31.7	27.2	27.2
50°	158.5	144.9	113.2	81.5	54.3	45.3	36.2	22.6	13.6	9.1	9.1
52.5°	149.4	135.8	99.6	67.9	45.3	31.7	22.6	4.5	0.0	0.0	0.0
55°	135.8	117.7	86.0	54.3	36.2	18.1	4.5	0.0	0.0	0.0	0.0
57.5°	117.7	104.1	67.9	40.8	22.6	4.5	0.0	0.0	0.0	0.0	0.0
60°	99.6	86.0	54.3	31.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	81.5	72.4	40.8	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	67.9	54.3	31.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	58.9	45.3	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	45.3	31.7	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	31.7	22.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	22.6	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.5	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°	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5
2.5°	5759.4	5895.2	6022.0	6058.2	6157.8	6434.0	6434.0	6565.3	6800.8	6886.8	6904.9
5°	4858.4	5003.2	5030.4	5311.1	5442.4	5723.2	5908.8	6352.5	6619.7	6787.2	6891.3
7.5°	3694.7	3744.5	3848.6	4111.3	4369.3	4708.9	5062.1	5628.1	6099.0	6289.1	6642.3
10°	2540.1	2689.5	2915.9	3151.4	3554.3	3930.1	4387.5	4921.7	5501.3	5736.7	6040.1
12.5°	1711.5	1919.8	2282.0	2617.1	2988.4	3368.7	3803.4	4518.8	5175.3	5501.3	5804.7
15°	1000.6	1254.2	1566.6	2110.0	2603.5	3029.1	3463.8	4188.2	4985.1	5406.2	5777.5
17.5°	507.1	584.1	842.2	1313.1	1965.1	2662.4	3309.8	4233.5	5130.0	5646.2	5954.1
20°	380.3	403.0	475.4	697.3	1344.8	2200.5	3164.9	4301.4	5533.0	6162.4	6329.9
22.5°	330.5	348.6	380.3	452.8	756.1	1684.3	2961.2	4469.0	6080.9	6674.0	7027.2
25°	280.7	298.8	326.0	371.3	484.5	1145.5	2712.2	4645.5	6569.9	7317.0	7647.5
27.5°	244.5	258.1	285.3	321.5	393.9	729.0	2282.0	4881.0	7317.0	8095.7	8181.8
30°	208.3	221.9	244.5	285.3	335.1	516.2	1675.3	4912.7	7729.0	8435.3	8675.3
32.5°	181.1	185.6	212.8	249.0	280.7	407.5	1177.2	4944.4	8032.4	8874.5	8924.3
35°	149.4	158.5	185.6	208.3	244.5	321.5	892.0	4785.9	8426.3	9327.3	9313.7
37.5°	122.3	135.8	153.9	172.1	199.2	271.7	710.9	4491.6	8919.8	10029.1	9603.5
40°	95.1	108.7	126.8	149.4	167.5	244.5	534.3	4047.9	9436.0	10373.2	9920.5
42.5°	67.9	77.0	95.1	117.7	149.4	203.8	384.9	3522.6	9639.7	10776.2	10300.8
45°	49.8	58.9	72.4	99.6	153.9	163.0	267.1	3042.7	9857.1	10952.8	10214.8
47.5°	27.2	36.2	54.3	86.0	135.8	122.3	190.2	2612.6	10106.1	11111.3	10282.7
50°	9.1	13.6	31.7	90.6	108.7	95.1	149.4	2381.6	10350.6	11143.0	10418.5
52.5°	0.0	0.0	18.1	95.1	81.5	72.4	131.3	2291.1	10287.2	11242.6	10332.5
55°	0.0	0.0	4.5	40.8	45.3	54.3	108.7	2286.5	10735.5	11274.3	10803.4
57.5°	0.0	0.0	0.0	13.6	27.2	45.3	95.1	2141.7	11020.7	12062.1	11437.3
60°	0.0	0.0	0.0	4.5	18.1	31.7	72.4	2014.9	11310.5	12415.3	12116.4
62.5°	0.0	0.0	0.0	0.0	4.5	13.6	49.8	1820.2	10726.4	12388.1	12773.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	31.7	1439.8	9648.8	11740.6	12410.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.1	996.1	8448.9	10925.6	11745.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	602.2	6818.9	9580.9	9961.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	258.1	4867.4	7606.7	8172.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.1	3011.0	5560.2	6257.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8	1951.5	4210.9	4749.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	1041.4	2639.7	3069.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	452.8	1602.8	1847.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.9	973.5	1109.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149.4	199.2
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: P599129  
 CATALOG NUMBER: IFLD-L-SA7A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5	6420.5
2.5°	6914.0	7045.3	7095.1	7018.1	7027.2	6868.7	6846.1	6624.2	6533.6	6551.8
5°	7230.9	7421.1	7525.2	7439.2	7244.5	6941.1	6665.0	6402.3	6239.3	6157.8
7.5°	7158.5	7371.3	7502.6	7584.1	7362.2	6873.2	6452.1	5958.6	5750.3	5754.9
10°	6760.0	7203.8	7470.9	7366.8	7262.6	6773.6	6121.6	5587.3	5401.7	5419.8
12.5°	6438.6	6932.1	7090.6	7172.1	6959.3	6569.9	6130.7	5519.4	5311.1	5184.4
15°	6239.3	6606.1	6615.1	6741.9	6655.9	6655.9	6225.8	5628.1	5447.0	5306.6
17.5°	6239.3	6320.8	6311.8	6357.1	6502.0	6674.0	6465.7	6067.3	5709.6	5686.9
20°	6379.7	6126.1	6067.3	6085.4	6207.6	6719.3	6995.5	6497.4	6271.0	6198.6
22.5°	6705.7	6148.8	5791.1	5727.7	6103.5	6714.8	7335.1	7176.6	6782.7	6723.8
25°	7154.0	6108.0	5718.6	5637.1	5922.4	6877.8	7801.4	7833.1	7475.4	7353.2
27.5°	7579.6	6289.1	5709.6	5691.5	6067.3	6841.5	8122.9	8358.4	7955.4	7855.8
30°	7724.5	6470.3	5877.1	5637.1	6121.6	6972.8	8113.9	8729.6	8467.0	8489.7
32.5°	7896.5	6651.4	5895.2	5800.1	6352.5	7185.7	8371.9	9327.3	9137.1	8870.0
35°	8150.1	6895.9	6067.3	5981.3	6515.5	7375.8	8426.3	9766.5	9734.8	9422.4
37.5°	8367.4	7135.8	6425.0	6438.6	7013.6	7683.7	8666.2	10305.3	10251.0	10038.2
40°	8521.4	7470.9	6981.9	7018.1	7448.3	8027.8	9091.9	10577.0	10980.0	10667.5
42.5°	8544.0	7769.7	7620.3	7910.1	8313.1	8562.1	9263.9	10762.6	11342.2	11138.4
45°	8630.0	8245.2	8661.7	8874.5	9205.1	9033.0	9254.9	11079.6	11369.4	11265.2
47.5°	8965.1	9110.0	9635.2	10282.7	10400.4	9834.4	9472.2	11129.4	11523.3	11509.7
50°	9313.7	10038.2	10776.2	11206.4	11355.8	10386.8	9676.0	11088.6	11727.1	11618.4
52.5°	9703.1	10844.1	11908.2	12437.9	12356.4	10998.1	9906.9	11419.2	12102.9	12066.6
55°	9947.6	11206.4	12637.1	13375.2	13311.8	11681.8	10640.4	11894.6	12596.4	12505.8
57.5°	10595.1	11795.0	13361.6	13705.7	13873.2	12578.3	11152.0	12673.4	13008.4	13108.0
60°	11129.4	12179.8	13551.8	14049.8	14108.7	13112.6	12048.5	13474.8	13533.7	13198.6
62.5°	11912.7	12329.3	13148.8	13597.0	13900.4	13415.9	12854.5	13904.9	13524.6	13502.0
65°	12487.7	11840.3	12397.2	12646.2	12840.9	12954.1	13665.0	14199.2	13357.1	12917.9
67.5°	12166.3	10916.6	10812.4	10826.0	10884.9	11568.6	13393.3	13479.3	12424.3	12062.1
70°	10708.3	8956.0	8815.7	8924.3	8630.0	9454.1	12293.0	12252.3	10961.9	10586.0
72.5°	8661.7	6529.1	6289.1	6438.6	6506.5	7380.3	10341.5	9291.1	7996.1	7701.8
75°	6882.3	4785.9	4038.8	4401.0	4632.0	5374.5	8077.6	6311.8	5582.8	5184.4
77.5°	5406.2	3622.3	3142.3	2997.4	3210.2	3907.5	5877.1	3314.4	2925.0	2739.3
80°	3427.6	2662.4	2888.7	2680.5	2771.0	2789.1	3060.8	1507.8	1199.9	1186.3
82.5°	2064.7	1820.2	2164.3	1190.8	2168.8	1937.9	1272.3	683.7	606.7	606.7
85°	1462.5	1127.4	747.1	484.5	964.4	1064.0	493.5	353.2	307.9	298.8
87.5°	733.5	348.6	167.5	108.7	122.3	199.2	58.9	27.2	27.2	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)