

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: P599203

Luminaire Tested: **IFLD-S-SA3C-735-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: P599203  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3C-735-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (48) 3500K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

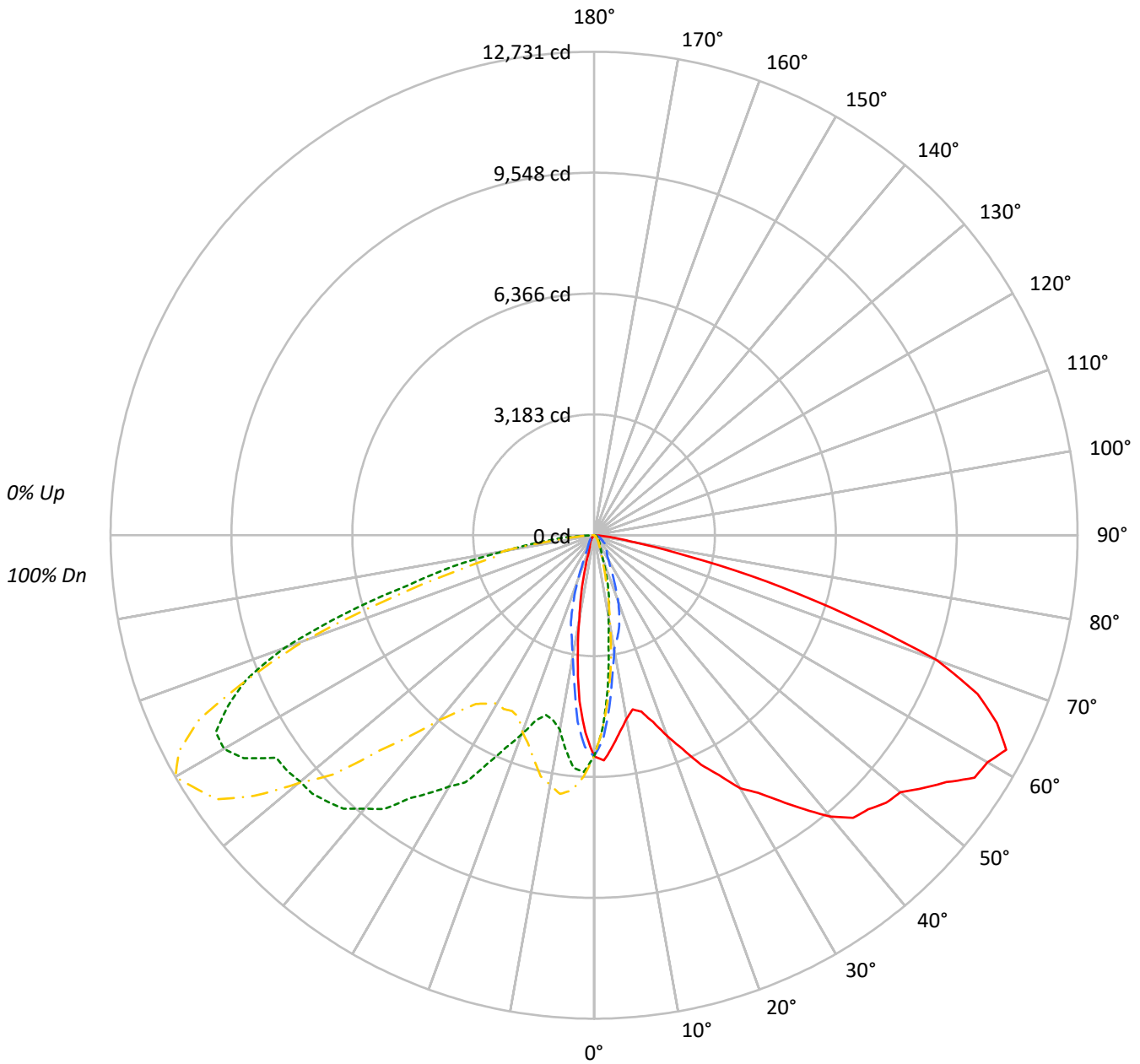
Lumens per Lamp: N/A  
 Luminaire Lumens: 15217.9 lumens  
 Efficiency: N/A  
 Efficacy: 94.6 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 160.8  
 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

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CATALOG NUMBER: IFLD-S-SA3C-735-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									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	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	102	102	102	102	102	102	102	102	102	102	102	100																
	1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	82	82	82	82	82	82	82	82	82	82	82	79																
	2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	64	64	64	64	64	64	64	64	64	64	64	62																
	3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	51	51	51	51	51	51	51	51	51	51	51	49																
	4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	42	42	42	42	42	42	42	42	42	42	42	40																
	5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	35	35	35	35	35	35	35	35	35	35	35	33																
	6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	30	30	30	30	30	30	30	30	30	30	30	27																
	7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	26	26	26	26	26	26	26	26	26	26	26	24																
	8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	23	23	23	23	23	23	23	23	23	23	23	20																
	9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	20	20	20	20	20	20	20	20	20	20	20	18																
	10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	18	18	18	18	18	18	18	18	18	18	18	16																

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	83496	83496	83496	83496
5°	80387	58753	63245	88603
10°	71571	31988	32407	75756
15°	71445	21336	13045	72787
20°	85784	10653	5200	85283
25°	105512	6692	4029	104991
30°	127486	5371	3059	126669
35°	149589	4314	2372	148079
40°	181097	3689	1538	176100
45°	207184	3331	832	201438
50°	235060	3206	183	225441
55°	283546	3080	0	255622
60°	343289	2592	0	322915
65°	397506	2089	0	361281
70°	402517	1720	0	364294
75°	260494	1137	0	279381
80°	88840	339	0	197689
85°	44592	0	0	145255

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.7	2.9
10°-20°	853.4	5.6
20°-30°	1188.5	7.8
30°-40°	1688.8	11.1
40°-50°	2341.8	15.4
50°-60°	3190.9	21.0
60°-70°	3508.1	23.1
70°-80°	1724.2	11.3
80°-90°	281.6	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°	2482.6	16.3
0°-40°	4171.3	27.4
0°-60°	9704.0	63.8
0°-90°	15217.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15217.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5818	5818	5818	5818	5818	
5°	5580	4078	4390	6150	5580	511
15°	4808	1436	878	4899	4808	1423
25°	6663	423	254	6630	6663	3098
35°	8538	246	135	8452	8538	5420
45°	10208	164	41	9925	10208	7913
55°	11332	123	0	10216	11332	10194
65°	11705	62	0	10639	11705	11312
75°	4698	20	0	5038	4698	5121
85°	271	0	0	882	271	375
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°	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8
2.5°	5936.8	6006.5	5940.9	5711.1	5670.1	5559.3	5391.1	5378.8	5202.4	5222.9	5128.5
5°	5579.8	5649.6	5510.1	5206.5	4923.4	4697.7	4562.3	4320.3	4266.9	4147.9	4147.9
7.5°	5214.7	5210.6	4972.6	4718.2	4295.6	3881.3	3692.5	3343.8	3138.7	3027.9	2921.2
10°	4911.1	4845.4	4697.7	4172.6	3713.0	3282.2	3048.4	2818.6	2605.3	2420.7	2236.0
12.5°	4697.7	4738.7	4504.9	3934.6	3339.7	3040.2	2789.9	2547.8	2293.5	2084.2	1879.1
15°	4808.5	4742.8	4468.0	3881.3	3278.1	2867.9	2535.5	2240.1	1957.0	1682.2	1526.2
17.5°	5153.1	4984.9	4660.8	3881.3	3151.0	2605.3	2203.2	1854.5	1550.9	1304.7	1111.9
20°	5616.7	5423.9	5075.2	4024.9	3056.6	2412.5	1862.7	1423.7	1107.8	878.0	730.3
22.5°	6092.7	5940.9	5415.7	4082.3	2945.8	2154.0	1468.8	1029.8	738.5	590.8	517.0
25°	6663.0	6449.6	5875.2	4312.1	2781.7	1903.7	1157.0	718.0	549.8	471.8	426.7
27.5°	7118.4	7081.5	6306.0	4451.6	2658.6	1698.6	914.9	570.3	455.4	398.0	369.3
30°	7692.8	7491.7	6831.2	4730.5	2519.1	1464.7	763.1	512.9	418.5	356.9	336.4
32.5°	8037.4	7943.0	7106.1	4886.4	2363.2	1271.9	656.4	451.3	381.6	336.4	315.9
35°	8538.0	8349.2	7499.9	4984.9	2281.2	1161.1	590.8	410.3	320.0	274.9	250.3
37.5°	9095.9	9026.2	7971.8	4980.8	2162.2	1095.5	545.7	381.6	303.6	254.4	225.7
40°	9666.2	9383.1	8259.0	5095.7	2100.6	1046.2	512.9	365.2	287.2	242.1	205.1
42.5°	10092.9	9768.8	8591.3	5054.7	2026.8	960.1	500.5	340.5	274.9	221.6	188.7
45°	10207.8	10092.9	8890.8	5042.4	1973.5	890.3	480.0	336.4	266.7	209.2	176.4
47.5°	10429.3	10351.4	9260.0	5062.9	1932.4	837.0	430.8	344.6	254.4	196.9	168.2
50°	10527.8	10388.3	9559.6	5112.1	1838.1	771.3	385.7	361.0	250.3	192.8	160.0
52.5°	10934.0	10810.9	9969.8	5251.6	1760.1	685.2	340.5	344.6	258.5	180.5	151.8
55°	11332.0	11192.5	10601.7	5571.6	1649.3	615.4	291.3	303.6	246.2	164.1	135.4
57.5°	11877.6	11647.9	11024.3	5702.9	1550.9	521.1	258.5	250.3	229.8	147.7	119.0
60°	11959.7	12054.1	10962.7	5620.9	1448.3	459.5	225.7	192.8	246.2	131.3	102.6
62.5°	12234.6	11840.7	10675.5	5432.1	1374.4	422.6	201.0	160.0	213.3	114.9	86.2
65°	11705.3	11414.0	10002.7	4824.9	1280.1	426.7	176.4	131.3	135.4	94.4	69.7
67.5°	10929.9	10700.1	8886.7	4164.4	1185.7	418.5	155.9	114.9	102.6	82.1	61.5
70°	9592.4	9095.9	7549.2	3380.7	1046.2	389.8	131.3	102.6	86.2	65.6	45.1
72.5°	6978.9	6777.8	5415.7	2613.5	939.5	352.8	123.1	86.2	73.9	49.2	36.9
75°	4697.7	4365.4	3417.6	1715.0	754.9	307.7	102.6	78.0	57.4	36.9	28.7
77.5°	2482.2	2346.8	1936.5	816.5	418.5	143.6	57.4	45.1	32.8	28.7	16.4
80°	1074.9	956.0	837.0	332.3	147.7	65.6	36.9	24.6	20.5	16.4	8.2
82.5°	549.8	525.2	434.9	143.6	86.2	49.2	20.5	16.4	12.3	8.2	4.1
85°	270.8	279.0	229.8	45.1	49.2	28.7	4.1	4.1	0.0	0.0	0.0
87.5°	20.5	20.5	16.4	8.2	12.3	4.1	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°	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8
2.5°	5091.6	5149.0	5050.6	5112.1	5083.4	5095.7	5108.0	5075.2	5083.4	5198.3	5202.4
5°	4078.2	4189.0	4147.9	4205.4	4303.8	4254.6	4299.7	4291.5	4299.7	4316.2	4390.0
7.5°	2908.9	2876.1	2954.0	3105.8	3282.2	3388.9	3335.6	3306.9	3290.5	3249.4	3298.7
10°	2195.0	2178.6	2158.1	2203.2	2318.1	2437.1	2502.7	2391.9	2330.4	2252.4	2223.7
12.5°	1821.6	1719.1	1661.6	1591.9	1624.7	1731.4	1735.5	1628.8	1530.3	1489.3	1534.5
15°	1436.0	1366.2	1263.7	1165.2	1116.0	1198.0	1128.3	1025.7	898.5	882.1	878.0
17.5°	1025.7	984.7	910.8	869.8	812.4	791.8	718.0	562.1	471.8	447.2	455.4
20°	697.5	664.7	660.6	623.6	599.0	582.6	463.6	361.0	332.3	336.4	340.5
22.5°	517.0	500.5	480.0	475.9	455.4	434.9	340.5	303.6	283.1	283.1	295.4
25°	422.6	414.4	393.9	385.7	377.5	348.7	287.2	258.5	250.3	242.1	254.4
27.5°	361.0	356.9	344.6	332.3	324.1	295.4	250.3	225.7	217.4	217.4	217.4
30°	324.1	324.1	307.7	283.1	283.1	250.3	213.3	196.9	188.7	188.7	184.6
32.5°	303.6	295.4	274.9	258.5	246.2	213.3	188.7	172.3	160.0	160.0	164.1
35°	246.2	246.2	242.1	229.8	213.3	180.5	160.0	143.6	135.4	131.3	135.4
37.5°	217.4	205.1	188.7	192.8	184.6	155.9	135.4	123.1	110.8	110.8	110.8
40°	196.9	184.6	168.2	155.9	151.8	139.5	119.0	98.5	86.2	82.1	82.1
42.5°	176.4	168.2	143.6	123.1	119.0	119.0	90.3	73.9	61.5	61.5	61.5
45°	164.1	151.8	131.3	106.7	86.2	90.3	73.9	53.3	45.1	41.0	41.0
47.5°	155.9	143.6	114.9	90.3	65.6	65.6	53.3	36.9	28.7	24.6	24.6
50°	143.6	131.3	102.6	73.9	49.2	41.0	32.8	20.5	12.3	8.2	8.2
52.5°	135.4	123.1	90.3	61.5	41.0	28.7	20.5	4.1	0.0	0.0	0.0
55°	123.1	106.7	78.0	49.2	32.8	16.4	4.1	0.0	0.0	0.0	0.0
57.5°	106.7	94.4	61.5	36.9	20.5	4.1	0.0	0.0	0.0	0.0	0.0
60°	90.3	78.0	49.2	28.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	73.9	65.6	36.9	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	61.5	49.2	28.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	53.3	41.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	41.0	28.7	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	28.7	20.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	20.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.1	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°	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8
2.5°	5218.8	5341.9	5456.7	5489.6	5579.8	5830.1	5830.1	5949.1	6162.4	6240.4	6256.8
5°	4402.3	4533.6	4558.2	4812.6	4931.6	5186.0	5354.2	5756.2	5998.3	6150.1	6244.5
7.5°	3347.9	3393.0	3487.4	3725.4	3959.2	4266.9	4586.9	5099.8	5526.5	5698.8	6018.8
10°	2301.7	2437.1	2642.2	2855.6	3220.7	3561.2	3975.6	4459.8	4984.9	5198.3	5473.2
12.5°	1550.9	1739.6	2067.8	2371.4	2707.9	3052.5	3446.4	4094.6	4689.5	4984.9	5259.8
15°	906.7	1136.5	1419.6	1911.9	2359.1	2744.8	3138.7	3795.1	4517.2	4898.8	5235.2
17.5°	459.5	529.3	763.1	1189.8	1780.6	2412.5	2999.2	3836.1	4648.5	5116.2	5395.2
20°	344.6	365.2	430.8	631.8	1218.5	1994.0	2867.9	3897.7	5013.6	5583.9	5735.7
22.5°	299.5	315.9	344.6	410.3	685.2	1526.2	2683.2	4049.5	5510.1	6047.5	6367.6
25°	254.4	270.8	295.4	336.4	439.0	1038.0	2457.6	4209.5	5953.2	6630.1	6929.6
27.5°	221.6	233.9	258.5	291.3	356.9	660.6	2067.8	4422.8	6630.1	7335.8	7413.8
30°	188.7	201.0	221.6	258.5	303.6	467.7	1518.0	4451.6	7003.5	7643.5	7861.0
32.5°	164.1	168.2	192.8	225.7	254.4	369.3	1066.7	4480.3	7278.4	8041.5	8086.6
35°	135.4	143.6	168.2	188.7	221.6	291.3	808.3	4336.7	7635.3	8451.8	8439.5
37.5°	110.8	123.1	139.5	155.9	180.5	246.2	644.1	4070.0	8082.5	9087.7	8702.1
40°	86.2	98.5	114.9	135.4	151.8	221.6	484.1	3667.9	8550.3	9399.5	8989.3
42.5°	61.5	69.7	86.2	106.7	135.4	184.6	348.7	3192.0	8734.9	9764.7	9333.9
45°	45.1	53.3	65.6	90.3	139.5	147.7	242.1	2757.1	8931.8	9924.7	9255.9
47.5°	24.6	32.8	49.2	78.0	123.1	110.8	172.3	2367.3	9157.5	10068.3	9317.5
50°	8.2	12.3	28.7	82.1	98.5	86.2	135.4	2158.1	9379.0	10097.0	9440.6
52.5°	0.0	0.0	16.4	86.2	73.9	65.6	119.0	2076.0	9321.6	10187.3	9362.6
55°	0.0	0.0	4.1	36.9	41.0	49.2	98.5	2071.9	9727.8	10216.0	9789.3
57.5°	0.0	0.0	0.0	12.3	24.6	41.0	86.2	1940.6	9986.2	10929.9	10363.7
60°	0.0	0.0	0.0	4.1	16.4	28.7	65.6	1825.8	10248.8	11249.9	10979.1
62.5°	0.0	0.0	0.0	0.0	4.1	12.3	45.1	1649.3	9719.6	11225.3	11574.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	28.7	1304.7	8743.1	10638.6	11245.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	16.4	902.6	7655.8	9900.1	10642.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	545.7	6178.8	8681.5	9026.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.9	4410.5	6892.7	7405.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.4	2728.4	5038.3	5670.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	1768.3	3815.6	4303.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	943.6	2391.9	2781.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	410.3	1452.4	1673.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131.3	882.1	1005.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	135.4	180.5
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: P599203  
 CATALOG NUMBER: IFLD-S-SA3C-735-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8	5817.8
2.5°	6265.0	6384.0	6429.1	6359.4	6367.6	6224.0	6203.5	6002.4	5920.4	5936.8
5°	6552.2	6724.5	6818.9	6740.9	6564.5	6289.6	6039.3	5801.4	5653.7	5579.8
7.5°	6486.5	6679.4	6798.4	6872.2	6671.2	6228.1	5846.5	5399.3	5210.6	5214.7
10°	6125.5	6527.6	6769.6	6675.3	6580.9	6137.8	5547.0	5062.9	4894.7	4911.1
12.5°	5834.2	6281.4	6425.0	6498.9	6306.0	5953.2	5555.2	5001.3	4812.6	4697.7
15°	5653.7	5986.0	5994.2	6109.1	6031.1	6031.1	5641.4	5099.8	4935.7	4808.5
17.5°	5653.7	5727.5	5719.3	5760.3	5891.6	6047.5	5858.8	5497.8	5173.6	5153.1
20°	5780.9	5551.1	5497.8	5514.2	5625.0	6088.6	6338.8	5887.5	5682.4	5616.7
22.5°	6076.3	5571.6	5247.5	5190.1	5530.6	6084.5	6646.6	6503.0	6146.0	6092.7
25°	6482.4	5534.7	5181.9	5108.0	5366.5	6232.2	7069.1	7097.9	6773.7	6663.0
27.5°	6868.1	5698.8	5173.6	5157.2	5497.8	6199.3	7360.4	7573.8	7208.6	7118.4
30°	6999.4	5862.9	5325.4	5108.0	5547.0	6318.3	7352.2	7910.2	7672.3	7692.8
32.5°	7155.3	6027.0	5341.9	5255.7	5756.2	6511.2	7586.1	8451.8	8279.5	8037.4
35°	7385.1	6248.6	5497.8	5419.8	5903.9	6683.5	7635.3	8849.8	8821.0	8538.0
37.5°	7582.0	6466.0	5821.9	5834.2	6355.3	6962.5	7852.8	9338.0	9288.8	9095.9
40°	7721.5	6769.6	6326.5	6359.4	6749.1	7274.3	8238.4	9584.2	9949.3	9666.2
42.5°	7742.0	7040.4	6905.0	7167.6	7532.8	7758.4	8394.4	9752.4	10277.5	10092.9
45°	7820.0	7471.2	7848.7	8041.5	8341.0	8185.1	8386.1	10039.6	10302.2	10207.8
47.5°	8123.6	8254.9	8730.8	9317.5	9424.2	8911.3	8583.1	10084.7	10441.7	10429.3
50°	8439.5	9095.9	9764.7	10154.5	10289.9	9411.8	8767.7	10047.8	10626.3	10527.8
52.5°	8792.3	9826.2	10790.4	11270.4	11196.6	9965.7	8977.0	10347.3	10966.8	10934.0
55°	9013.9	10154.5	11450.9	12119.7	12062.3	10585.3	9641.6	10778.1	11414.0	11332.0
57.5°	9600.6	10687.8	12107.4	12419.2	12571.0	11397.6	10105.2	11483.8	11787.4	11877.6
60°	10084.7	11036.6	12279.7	12731.0	12784.4	11881.7	10917.6	12210.0	12263.3	11959.7
62.5°	10794.5	11172.0	11914.6	12320.7	12595.6	12156.6	11647.9	12599.7	12255.1	12234.6
65°	11315.6	10728.9	11233.5	11459.2	11635.6	11738.1	12382.3	12866.4	12103.3	11705.3
67.5°	11024.3	9891.9	9797.5	9809.8	9863.2	10482.7	12136.1	12214.1	11258.1	10929.9
70°	9703.1	8115.4	7988.2	8086.6	7820.0	8566.7	11139.1	11102.2	9932.9	9592.4
72.5°	7848.7	5916.3	5698.8	5834.2	5895.7	6687.6	9370.8	8419.0	7245.6	6978.9
75°	6236.3	4336.7	3659.7	3987.9	4197.2	4870.0	7319.4	5719.3	5058.8	4697.7
77.5°	4898.8	3282.2	2847.4	2716.1	2908.9	3540.7	5325.4	3003.3	2650.4	2482.2
80°	3105.8	2412.5	2617.6	2428.9	2510.9	2527.3	2773.5	1366.2	1087.2	1074.9
82.5°	1870.9	1649.3	1961.1	1079.0	1965.2	1756.0	1152.9	619.5	549.8	549.8
85°	1325.2	1021.6	677.0	439.0	873.9	964.2	447.2	320.0	279.0	270.8
87.5°	664.7	315.9	151.8	98.5	110.8	180.5	53.3	24.6	24.6	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)