

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: P599202

Luminaire Tested: **IFLD-S-SA3B-735-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

**Test Information**

Test Method: LM-79-08  
 Report Number: P599202  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3B-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**

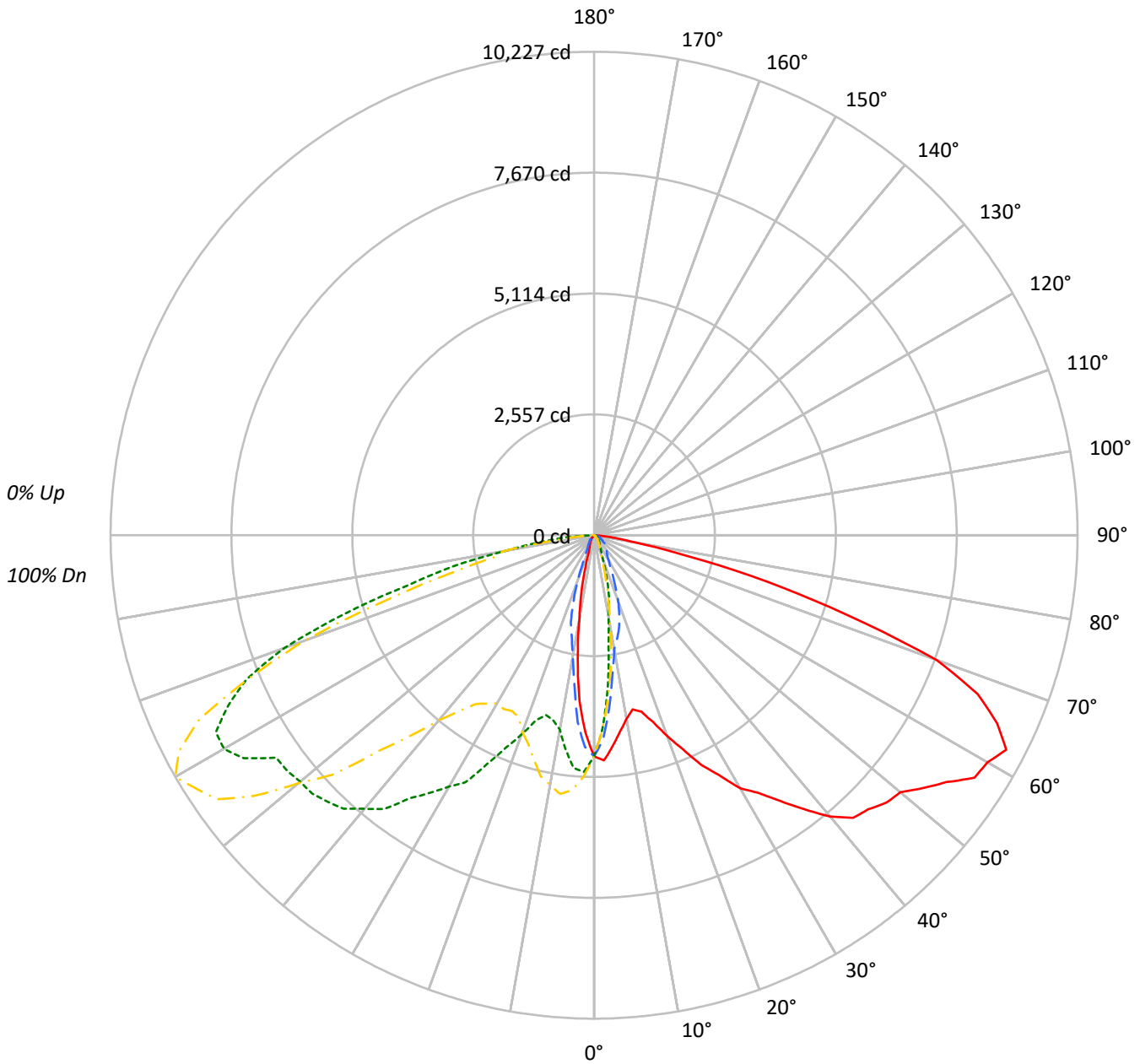
Lumens per Lamp: N/A  
 Luminaire Lumens: 12224.8 lumens  
 Efficiency: N/A  
 Efficacy: 99.9 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 122.4  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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: P599202  
CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**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°	67074	67074	67074	67074
5°	64577	47198	50807	71176
10°	57493	25697	26034	60857
15°	57394	17140	10479	58471
20°	68912	8557	4179	68510
25°	84760	5376	3235	84342
30°	102411	4315	2458	101756
35°	120167	3466	1906	118955
40°	145480	2964	1235	141465
45°	166434	2675	670	161819
50°	188829	2577	147	181101
55°	227778	2475	0	205346
60°	275769	2081	0	259405
65°	319324	1678	0	290224
70°	323347	1385	0	292644
75°	209263	915	0	224429
80°	71368	273	0	158810
85°	35816	0	0	116685

TEST NUMBER: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.0	2.9
10°-20°	685.5	5.6
20°-30°	954.8	7.8
30°-40°	1356.6	11.1
40°-50°	1881.2	15.4
50°-60°	2563.3	21.0
60°-70°	2818.1	23.1
70°-80°	1385.1	11.3
80°-90°	226.2	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°	1994.3	16.3
0°-40°	3350.9	27.4
0°-60°	7795.4	63.8
0°-90°	12224.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12224.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4674	4674	4674	4674	4674	
5°	4482	3276	3527	4940	4482	410
15°	3863	1154	705	3935	3863	1143
25°	5352	340	204	5326	5352	2489
35°	6859	198	109	6790	6859	4354
45°	8200	132	33	7973	8200	6357
55°	9103	99	0	8207	9103	8189
65°	9403	49	0	8546	9403	9087
75°	3774	16	0	4047	3774	4114
85°	218	0	0	709	218	301
90°	0	0	0	0	0	

TEST NUMBER: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5
2.5°	4769.1	4825.1	4772.4	4587.8	4554.9	4465.9	4330.8	4320.9	4179.2	4195.6	4119.8
5°	4482.4	4538.4	4426.3	4182.4	3955.0	3773.8	3665.0	3470.5	3427.7	3332.1	3332.1
7.5°	4189.0	4185.7	3994.6	3790.2	3450.8	3117.9	2966.3	2686.1	2521.3	2432.3	2346.7
10°	3945.1	3892.4	3773.8	3351.9	2982.8	2636.7	2448.8	2264.3	2092.9	1944.6	1796.2
12.5°	3773.8	3806.7	3618.9	3160.7	2682.8	2442.2	2241.2	2046.7	1842.4	1674.3	1509.5
15°	3862.8	3810.0	3589.2	3117.9	2633.4	2303.8	2036.8	1799.5	1572.1	1351.3	1226.1
17.5°	4139.6	4004.5	3744.1	3117.9	2531.2	2092.9	1769.9	1489.7	1245.8	1048.1	893.2
20°	4512.0	4357.1	4077.0	3233.2	2455.4	1938.0	1496.3	1143.7	889.9	705.3	586.7
22.5°	4894.4	4772.4	4350.5	3279.4	2366.4	1730.3	1179.9	827.3	593.3	474.6	415.3
25°	5352.5	5181.1	4719.7	3464.0	2234.6	1529.3	929.4	576.8	441.6	379.0	342.8
27.5°	5718.3	5688.7	5065.7	3576.0	2135.7	1364.5	735.0	458.1	365.8	319.7	296.6
30°	6179.7	6018.2	5487.6	3800.1	2023.7	1176.6	613.0	412.0	336.2	286.7	270.3
32.5°	6456.6	6380.8	5708.4	3925.4	1898.4	1021.7	527.3	362.5	306.5	270.3	253.8
35°	6858.7	6707.1	6024.8	4004.5	1832.5	932.7	474.6	329.6	257.1	220.8	201.0
37.5°	7306.9	7250.9	6403.9	4001.2	1736.9	880.0	438.3	306.5	243.9	204.3	181.3
40°	7765.1	7537.6	6634.6	4093.5	1687.5	840.4	412.0	293.3	230.7	194.5	164.8
42.5°	8107.8	7847.4	6901.5	4060.5	1628.2	771.2	402.1	273.6	220.8	178.0	151.6
45°	8200.1	8107.8	7142.1	4050.6	1585.3	715.2	385.6	270.3	214.2	168.1	141.7
47.5°	8378.1	8315.5	7438.8	4067.1	1552.4	672.4	346.1	276.9	204.3	158.2	135.1
50°	8457.2	8345.1	7679.4	4106.6	1476.5	619.6	309.8	290.0	201.0	154.9	128.5
52.5°	8783.5	8684.6	8008.9	4218.7	1413.9	550.4	273.6	276.9	207.6	145.0	121.9
55°	9103.2	8991.1	8516.5	4475.8	1324.9	494.4	234.0	243.9	197.8	131.8	108.8
57.5°	9541.5	9357.0	8856.0	4581.2	1245.8	418.6	207.6	201.0	184.6	118.7	95.6
60°	9607.4	9683.2	8806.5	4515.3	1163.4	369.1	181.3	154.9	197.8	105.5	82.4
62.5°	9828.3	9511.9	8575.8	4363.7	1104.1	339.5	161.5	128.5	171.4	92.3	69.2
65°	9403.1	9169.1	8035.3	3875.9	1028.3	342.8	141.7	105.5	108.8	75.8	56.0
67.5°	8780.2	8595.6	7138.8	3345.3	952.5	336.2	125.2	92.3	82.4	65.9	49.4
70°	7705.7	7306.9	6064.4	2715.8	840.4	313.1	105.5	82.4	69.2	52.7	36.3
72.5°	5606.3	5444.8	4350.5	2099.5	754.8	283.4	98.9	69.2	59.3	39.6	29.7
75°	3773.8	3506.8	2745.5	1377.7	606.4	247.2	82.4	62.6	46.1	29.7	23.1
77.5°	1994.0	1885.2	1555.6	655.9	336.2	115.4	46.1	36.3	26.4	23.1	13.2
80°	863.5	767.9	672.4	267.0	118.7	52.7	29.7	19.8	16.5	13.2	6.6
82.5°	441.6	421.9	349.4	115.4	69.2	39.6	16.5	13.2	9.9	6.6	3.3
85°	217.5	224.1	184.6	36.3	39.6	23.1	3.3	3.3	0.0	0.0	0.0
87.5°	16.5	16.5	13.2	6.6	9.9	3.3	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: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5
2.5°	4090.2	4136.3	4057.2	4106.6	4083.6	4093.5	4103.3	4077.0	4083.6	4175.9	4179.2
5°	3276.1	3365.1	3332.1	3378.3	3457.4	3417.8	3454.1	3447.5	3454.1	3467.2	3526.6
7.5°	2336.8	2310.4	2373.0	2495.0	2636.7	2722.4	2679.5	2656.5	2643.3	2610.3	2649.9
10°	1763.3	1750.1	1733.6	1769.9	1862.2	1957.7	2010.5	1921.5	1872.0	1809.4	1786.4
12.5°	1463.4	1381.0	1334.8	1278.8	1305.2	1390.9	1394.1	1308.5	1229.4	1196.4	1232.7
15°	1153.6	1097.5	1015.1	936.0	896.5	962.4	906.4	824.0	721.8	708.6	705.3
17.5°	824.0	791.0	731.7	698.7	652.6	636.1	576.8	451.5	379.0	359.2	365.8
20°	560.3	533.9	530.6	501.0	481.2	468.0	372.4	290.0	267.0	270.3	273.6
22.5°	415.3	402.1	385.6	382.3	365.8	349.4	273.6	243.9	227.4	227.4	237.3
25°	339.5	332.9	316.4	309.8	303.2	280.1	230.7	207.6	201.0	194.5	204.3
27.5°	290.0	286.7	276.9	267.0	260.4	237.3	201.0	181.3	174.7	174.7	174.7
30°	260.4	260.4	247.2	227.4	227.4	201.0	171.4	158.2	151.6	151.6	148.3
32.5°	243.9	237.3	220.8	207.6	197.8	171.4	151.6	138.4	128.5	128.5	131.8
35°	197.8	197.8	194.5	184.6	171.4	145.0	128.5	115.4	108.8	105.5	108.8
37.5°	174.7	164.8	151.6	154.9	148.3	125.2	108.8	98.9	89.0	89.0	89.0
40°	158.2	148.3	135.1	125.2	121.9	112.1	95.6	79.1	69.2	65.9	65.9
42.5°	141.7	135.1	115.4	98.9	95.6	95.6	72.5	59.3	49.4	49.4	49.4
45°	131.8	121.9	105.5	85.7	69.2	72.5	59.3	42.8	36.3	33.0	33.0
47.5°	125.2	115.4	92.3	72.5	52.7	52.7	42.8	29.7	23.1	19.8	19.8
50°	115.4	105.5	82.4	59.3	39.6	33.0	26.4	16.5	9.9	6.6	6.6
52.5°	108.8	98.9	72.5	49.4	33.0	23.1	16.5	3.3	0.0	0.0	0.0
55°	98.9	85.7	62.6	39.6	26.4	13.2	3.3	0.0	0.0	0.0	0.0
57.5°	85.7	75.8	49.4	29.7	16.5	3.3	0.0	0.0	0.0	0.0	0.0
60°	72.5	62.6	39.6	23.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	59.3	52.7	29.7	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	49.4	39.6	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	42.8	33.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	33.0	23.1	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	23.1	16.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	16.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.3	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: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5
2.5°	4192.3	4291.2	4383.5	4409.9	4482.4	4683.4	4683.4	4779.0	4950.4	5013.0	5026.2
5°	3536.5	3641.9	3661.7	3866.0	3961.6	4166.0	4301.1	4624.1	4818.6	4940.5	5016.3
7.5°	2689.4	2725.7	2801.5	2992.6	3180.5	3427.7	3684.8	4096.8	4439.5	4578.0	4835.0
10°	1849.0	1957.7	2122.5	2293.9	2587.3	2860.8	3193.7	3582.6	4004.5	4175.9	4396.7
12.5°	1245.8	1397.4	1661.1	1905.0	2175.3	2452.1	2768.5	3289.3	3767.2	4004.5	4225.3
15°	728.4	913.0	1140.4	1535.9	1895.1	2204.9	2521.3	3048.7	3628.7	3935.3	4205.5
17.5°	369.1	425.2	613.0	955.8	1430.4	1938.0	2409.3	3081.6	3734.2	4109.9	4334.1
20°	276.9	293.3	346.1	507.6	978.9	1601.8	2303.8	3131.1	4027.5	4485.7	4607.6
22.5°	240.6	253.8	276.9	329.6	550.4	1226.1	2155.5	3253.0	4426.3	4858.1	5115.2
25°	204.3	217.5	237.3	270.3	352.7	833.9	1974.2	3381.6	4782.3	5326.1	5566.7
27.5°	178.0	187.9	207.6	234.0	286.7	530.6	1661.1	3552.9	5326.1	5893.0	5955.6
30°	151.6	161.5	178.0	207.6	243.9	375.7	1219.5	3576.0	5626.0	6140.2	6314.9
32.5°	131.8	135.1	154.9	181.3	204.3	296.6	856.9	3599.1	5846.9	6459.9	6496.1
35°	108.8	115.4	135.1	151.6	178.0	234.0	649.3	3483.7	6133.6	6789.5	6779.6
37.5°	89.0	98.9	112.1	125.2	145.0	197.8	517.5	3269.5	6492.8	7300.3	6990.5
40°	69.2	79.1	92.3	108.8	121.9	178.0	388.9	2946.5	6868.6	7550.8	7221.2
42.5°	49.4	56.0	69.2	85.7	108.8	148.3	280.1	2564.2	7016.9	7844.2	7498.1
45°	36.3	42.8	52.7	72.5	112.1	118.7	194.5	2214.8	7175.1	7972.7	7435.5
47.5°	19.8	26.4	39.6	62.6	98.9	89.0	138.4	1901.7	7356.4	8088.0	7484.9
50°	6.6	9.9	23.1	65.9	79.1	69.2	108.8	1733.6	7534.3	8111.1	7583.8
52.5°	0.0	0.0	13.2	69.2	59.3	52.7	95.6	1667.7	7488.2	8183.6	7521.2
55°	0.0	0.0	3.3	29.7	33.0	39.6	79.1	1664.4	7814.5	8206.7	7863.9
57.5°	0.0	0.0	0.0	9.9	19.8	33.0	69.2	1558.9	8022.1	8780.2	8325.3
60°	0.0	0.0	0.0	3.3	13.2	23.1	52.7	1466.7	8233.1	9037.3	8819.7
62.5°	0.0	0.0	0.0	0.0	3.3	9.9	36.3	1324.9	7807.9	9017.5	9297.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	23.1	1048.1	7023.5	8546.2	9034.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	725.1	6150.1	7952.9	8549.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	438.3	4963.6	6974.0	7250.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.9	3543.1	5537.0	5949.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.8	2191.7	4047.3	4554.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	1420.5	3065.2	3457.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	758.0	1921.5	2234.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	329.6	1166.7	1344.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.5	708.6	807.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.8	145.0
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: P599202  
 CATALOG NUMBER: IFLD-S-SA3B-735-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5	4673.5
2.5°	5032.8	5128.4	5164.6	5108.6	5115.2	4999.8	4983.3	4821.8	4755.9	4769.1
5°	5263.5	5401.9	5477.7	5415.1	5273.4	5052.6	4851.5	4660.3	4541.7	4482.4
7.5°	5210.8	5365.7	5461.2	5520.6	5359.1	5003.1	4696.6	4337.4	4185.7	4189.0
10°	4920.7	5243.7	5438.2	5362.4	5286.6	4930.6	4456.0	4067.1	3932.0	3945.1
12.5°	4686.7	5046.0	5161.3	5220.6	5065.7	4782.3	4462.6	4017.7	3866.0	3773.8
15°	4541.7	4808.7	4815.3	4907.5	4844.9	4844.9	4531.8	4096.8	3964.9	3862.8
17.5°	4541.7	4601.0	4594.4	4627.4	4732.9	4858.1	4706.5	4416.5	4156.1	4139.6
20°	4643.9	4459.3	4416.5	4429.6	4518.6	4891.1	5092.1	4729.6	4564.8	4512.0
22.5°	4881.2	4475.8	4215.4	4169.3	4442.8	4887.8	5339.3	5223.9	4937.2	4894.4
25°	5207.5	4446.1	4162.7	4103.3	4311.0	5006.4	5678.8	5701.8	5441.5	5352.5
27.5°	5517.3	4578.0	4156.1	4142.9	4416.5	4980.0	5912.8	6084.2	5790.8	5718.3
30°	5622.7	4709.8	4278.0	4103.3	4456.0	5075.6	5906.2	6354.4	6163.3	6179.7
32.5°	5748.0	4841.6	4291.2	4222.0	4624.1	5230.5	6094.0	6789.5	6651.0	6456.6
35°	5932.6	5019.6	4416.5	4353.8	4742.7	5369.0	6133.6	7109.2	7086.1	6858.7
37.5°	6090.8	5194.3	4676.8	4686.7	5105.3	5593.1	6308.3	7501.4	7461.8	7306.9
40°	6202.8	5438.2	5082.2	5108.6	5421.7	5843.6	6618.1	7699.1	7992.5	7765.1
42.5°	6219.3	5655.7	5546.9	5757.9	6051.2	6232.5	6743.3	7834.3	8256.1	8107.8
45°	6281.9	6001.8	6305.0	6459.9	6700.5	6575.2	6736.7	8065.0	8275.9	8200.1
47.5°	6525.8	6631.3	7013.6	7484.9	7570.6	7158.6	6894.9	8101.2	8388.0	8378.1
50°	6779.6	7306.9	7844.2	8157.3	8266.0	7560.7	7043.3	8071.6	8536.3	8457.2
52.5°	7063.0	7893.6	8668.1	9053.7	8994.4	8005.6	7211.3	8312.2	8809.8	8783.5
55°	7241.0	8157.3	9198.8	9736.0	9689.8	8503.3	7745.3	8658.2	9169.1	9103.2
57.5°	7712.3	8585.7	9726.1	9976.6	10098.5	9155.9	8117.7	9225.1	9469.0	9541.5
60°	8101.2	8865.9	9864.5	10227.1	10269.9	9544.8	8770.3	9808.5	9851.3	9607.4
62.5°	8671.4	8974.6	9571.2	9897.5	10118.3	9765.6	9357.0	10121.6	9844.7	9828.3
65°	9090.0	8618.7	9024.1	9205.3	9347.1	9429.5	9946.9	10335.8	9722.8	9403.1
67.5°	8856.0	7946.3	7870.5	7880.4	7923.3	8420.9	9749.2	9811.8	9043.8	8780.2
70°	7794.7	6519.2	6417.0	6496.1	6281.9	6881.8	8948.3	8918.6	7979.3	7705.7
72.5°	6305.0	4752.6	4578.0	4686.7	4736.2	5372.3	7527.7	6763.1	5820.5	5606.3
75°	5009.7	3483.7	2939.9	3203.6	3371.7	3912.2	5879.8	4594.4	4063.8	3773.8
77.5°	3935.3	2636.7	2287.3	2181.9	2336.8	2844.3	4278.0	2412.6	2129.1	1994.0
80°	2495.0	1938.0	2102.8	1951.2	2017.1	2030.3	2228.0	1097.5	873.4	863.5
82.5°	1502.9	1324.9	1575.4	866.8	1578.7	1410.6	926.1	497.7	441.6	441.6
85°	1064.6	820.7	543.8	352.7	702.0	774.5	359.2	257.1	224.1	217.5
87.5°	533.9	253.8	121.9	79.1	89.0	145.0	42.8	19.8	19.8	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)