

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: P598709

Luminaire Tested: **IFLD-S-SA3B-740-U-SLR**

Issue Date: 05/03/2022

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: P598709  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3B-740-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (48) 4000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

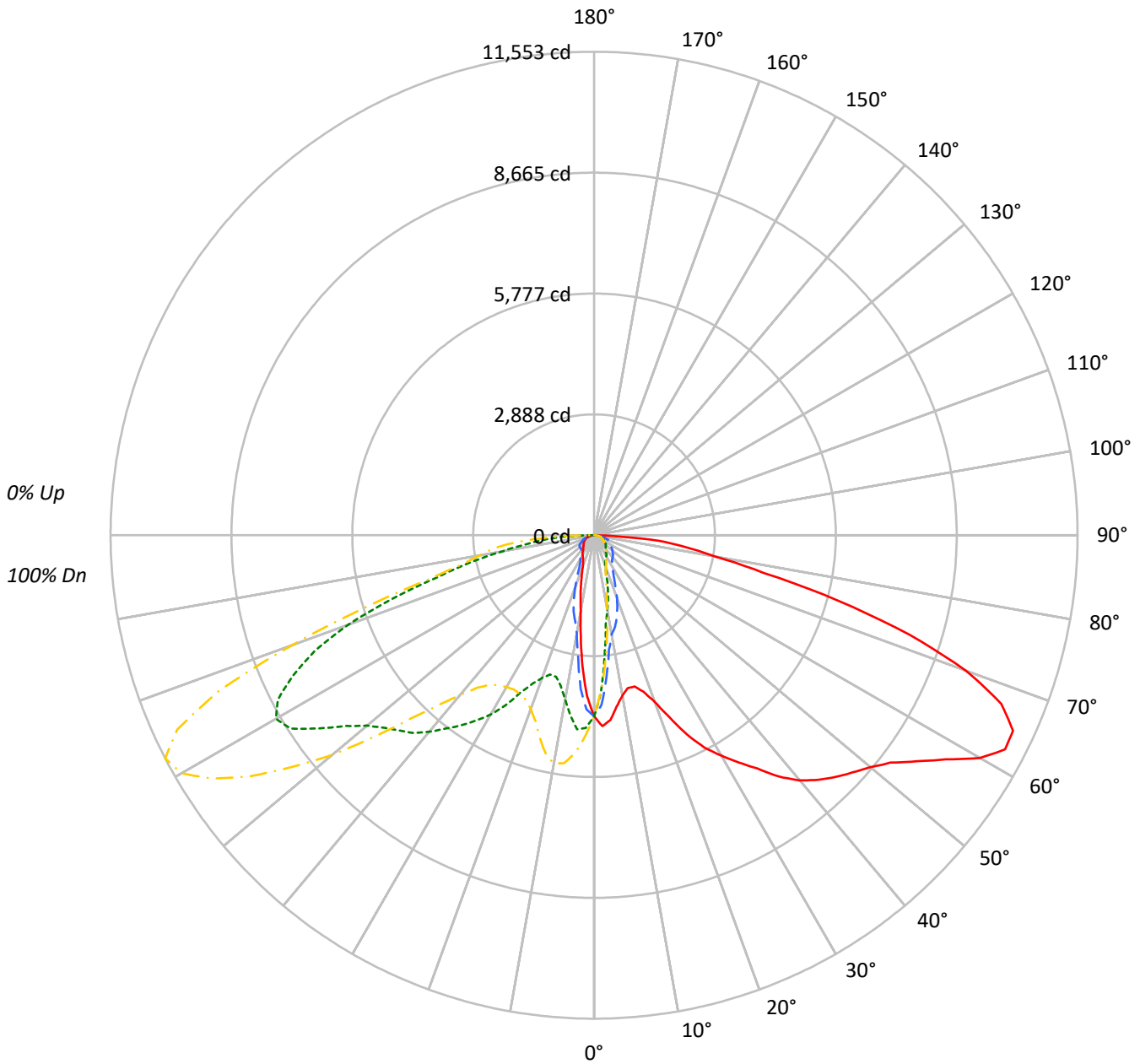
Lumens per Lamp: N/A  
 Luminaire Lumens: 14473.3 lumens  
 Efficiency: N/A  
 Efficacy: 118.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 122.4  
 Input Voltage (V): 120  
 Input Current (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: P598709  
CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

### Luminous Intensity Polar Plot



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

TEST NUMBER: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

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

	0°	90°	180°	270°
0°	62049	62049	62049	62049
5°	63856	41524	45362	67085
10°	56654	26385	26650	57977
15°	55601	18714	17724	52002
20°	64644	11838	11930	55397
25°	83135	10165	9877	65491
30°	100750	9633	9032	81984
35°	119246	8487	8170	97179
40°	143282	8054	7487	114807
45°	165793	7989	7252	133840
50°	192524	8112	7301	158048
55°	235602	8332	7424	201360
60°	305555	8344	7822	251850
65°	375075	8432	8021	269584
70°	396890	8892	8384	262477
75°	334095	9399	8395	214220
80°	242724	11009	8505	185167
85°	257263	15956	6982	192449

TEST NUMBER: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.6	2.3
10°-20°	700.3	4.8
20°-30°	1009.2	7.0
30°-40°	1452.8	10.0
40°-50°	2063.6	14.3
50°-60°	2966.8	20.5
60°-70°	3427.7	23.7
70°-80°	1940.8	13.4
80°-90°	577.6	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°	2044.0	14.1
0°-40°	3496.8	24.2
0°-60°	8527.2	58.9
0°-90°	14473.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14473.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4323	4323	4323	4323	4323	
5°	4432	2882	3149	4656	4432	402
15°	3742	1260	1193	3500	3742	1100
25°	5250	642	624	4136	5250	2437
35°	6806	484	466	5547	6806	4320
45°	8168	394	357	6594	8168	6325
55°	9416	333	297	8047	9416	8528
65°	11045	248	236	7938	11045	10591
75°	6025	170	151	3863	6025	6393
85°	1562	97	42	1169	1562	1556
90°	0	0	0	0	0	

TEST NUMBER: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4
2.5°	4565.7	4559.6	4523.3	4408.2	4287.1	4172.1	4063.1	3948.0	3887.5	3814.8	3784.5
5°	4432.4	4420.3	4317.4	4063.1	3839.0	3596.8	3390.9	3227.4	3094.2	2961.0	2912.6
7.5°	4129.7	4111.5	3990.4	3639.2	3312.2	2997.3	2749.1	2537.1	2361.5	2282.8	2192.0
10°	3887.5	3857.2	3699.8	3312.2	2888.4	2573.5	2410.0	2264.7	2113.3	1986.1	1852.9
12.5°	3736.1	3699.8	3536.3	3082.1	2670.4	2434.2	2264.7	2101.2	1913.5	1756.0	1610.7
15°	3742.1	3699.8	3499.9	3021.6	2615.9	2313.1	2077.0	1852.9	1634.9	1459.3	1295.8
17.5°	3917.7	3863.2	3651.3	3106.3	2573.5	2155.7	1840.8	1550.1	1301.9	1114.2	981.0
20°	4232.6	4196.3	3954.1	3233.5	2531.1	1986.1	1598.6	1247.4	987.0	841.7	787.2
22.5°	4704.9	4662.5	4402.2	3427.3	2519.0	1834.7	1338.2	981.0	793.2	732.7	702.4
25°	5249.9	5171.2	4929.0	3754.3	2543.2	1695.5	1126.3	811.4	708.5	666.1	647.9
27.5°	5722.2	5673.8	5401.3	4063.1	2555.3	1586.5	981.0	738.7	660.0	623.7	611.6
30°	6079.5	6061.3	5794.9	4402.2	2525.0	1453.3	890.1	708.5	660.0	623.7	587.4
32.5°	6436.7	6442.8	6158.2	4662.5	2482.7	1338.2	805.3	629.7	581.3	557.1	563.1
35°	6806.1	6836.4	6594.2	4916.9	2391.8	1295.8	744.8	587.4	545.0	508.6	490.5
37.5°	7272.4	7351.1	7114.9	5201.5	2301.0	1259.5	714.5	557.1	514.7	484.4	460.2
40°	7647.8	7793.1	7653.8	5467.9	2240.4	1217.1	690.3	526.8	496.5	460.2	442.0
42.5°	7926.3	8095.9	8047.4	5673.8	2240.4	1174.7	666.1	508.6	484.4	442.0	417.8
45°	8168.5	8344.1	8338.1	5885.7	2288.9	1150.5	635.8	508.6	472.3	429.9	405.7
47.5°	8386.5	8562.1	8622.7	6152.1	2367.6	1138.4	599.5	496.5	472.3	423.9	387.5
50°	8622.7	8816.4	8998.1	6576.0	2464.5	1108.1	575.2	478.4	478.4	417.8	375.4
52.5°	8925.4	9143.4	9476.5	7102.8	2561.4	1053.6	538.9	466.3	478.4	411.8	363.3
55°	9415.9	9597.6	10033.5	7732.6	2682.5	987.0	508.6	436.0	454.1	393.6	345.1
57.5°	9966.9	10124.4	10487.7	8217.0	2718.8	902.2	466.3	405.7	436.0	375.4	320.9
60°	10645.1	10723.8	10723.8	8356.2	2597.7	823.5	436.0	381.5	393.6	357.3	302.8
62.5°	11075.1	11075.1	10723.8	8101.9	2367.6	756.9	411.8	357.3	345.1	333.0	284.6
65°	11044.8	10996.3	10475.6	7363.2	2101.2	714.5	387.5	327.0	308.8	302.8	266.4
67.5°	10536.1	10451.4	9742.9	6321.7	1822.6	696.4	363.3	296.7	284.6	272.5	242.2
70°	9458.3	9240.3	8368.4	5086.4	1550.1	684.2	357.3	272.5	260.4	248.3	224.0
72.5°	7896.0	7617.5	6533.6	3911.7	1301.9	641.9	339.1	242.2	236.2	224.0	199.8
75°	6025.0	5510.3	4559.6	2991.3	1011.2	557.1	290.7	211.9	211.9	205.9	181.7
77.5°	4153.9	3887.5	3179.0	2210.2	738.7	429.9	236.2	187.7	187.7	193.8	169.5
80°	2936.8	2688.5	2264.7	1586.5	466.3	290.7	181.7	157.4	175.6	187.7	157.4
82.5°	2246.5	2064.8	1683.4	1156.6	272.5	199.8	139.3	127.2	151.4	163.5	133.2
85°	1562.3	1344.3	853.8	775.1	157.4	121.1	102.9	102.9	133.2	163.5	121.1
87.5°	442.0	187.7	54.5	230.1	66.6	48.4	36.3	24.2	36.3	36.3	24.2
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: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4
2.5°	3754.3	3717.9	3717.9	3705.8	3711.9	3717.9	3711.9	3754.3	3772.4	3796.6	3845.1
5°	2882.3	2930.7	2894.4	2930.7	2979.2	3051.8	3070.0	3124.5	3130.6	3173.0	3148.7
7.5°	2137.5	2131.4	2101.2	2143.6	2276.8	2379.7	2428.2	2458.4	2464.5	2464.5	2434.2
10°	1810.5	1756.0	1701.5	1671.2	1683.4	1792.4	1828.7	1846.9	1834.7	1852.9	1828.7
12.5°	1550.1	1501.7	1423.0	1368.5	1332.2	1362.4	1398.8	1416.9	1429.0	1459.3	1483.5
15°	1259.5	1211.0	1162.6	1132.3	1102.1	1077.8	1108.1	1126.3	1156.6	1180.8	1192.9
17.5°	956.7	932.5	908.3	926.5	926.5	914.3	926.5	932.5	944.6	962.8	956.7
20°	775.1	769.0	763.0	793.2	817.5	817.5	829.6	811.4	805.3	787.2	781.1
22.5°	690.3	690.3	696.4	720.6	744.8	756.9	756.9	726.6	696.4	684.2	690.3
25°	641.9	641.9	660.0	666.1	678.2	678.2	684.2	654.0	635.8	617.6	623.7
27.5°	605.5	605.5	611.6	611.6	617.6	617.6	623.7	611.6	587.4	581.3	581.3
30°	581.3	581.3	575.2	575.2	575.2	575.2	581.3	563.1	551.0	545.0	545.0
32.5°	557.1	551.0	545.0	545.0	538.9	538.9	545.0	526.8	520.8	520.8	520.8
35°	484.4	478.4	484.4	496.5	496.5	502.6	502.6	496.5	484.4	472.3	466.3
37.5°	454.1	448.1	448.1	448.1	460.2	466.3	472.3	460.2	442.0	423.9	423.9
40°	429.9	429.9	423.9	423.9	423.9	436.0	448.1	429.9	405.7	399.6	399.6
42.5°	411.8	405.7	399.6	393.6	387.5	405.7	417.8	393.6	381.5	381.5	381.5
45°	393.6	387.5	381.5	375.4	369.4	375.4	387.5	363.3	357.3	357.3	357.3
47.5°	375.4	369.4	357.3	351.2	345.1	345.1	357.3	339.1	333.0	339.1	339.1
50°	363.3	351.2	339.1	333.0	327.0	327.0	327.0	320.9	320.9	320.9	327.0
52.5°	351.2	339.1	320.9	314.9	308.8	308.8	308.8	308.8	302.8	308.8	314.9
55°	333.0	320.9	308.8	302.8	296.7	290.7	296.7	290.7	290.7	296.7	296.7
57.5°	308.8	296.7	284.6	284.6	278.5	278.5	284.6	278.5	278.5	284.6	284.6
60°	290.7	278.5	266.4	266.4	260.4	266.4	272.5	266.4	266.4	266.4	272.5
62.5°	266.4	260.4	248.3	248.3	248.3	248.3	254.3	248.3	254.3	254.3	254.3
65°	248.3	236.2	230.1	230.1	230.1	230.1	242.2	230.1	236.2	236.2	236.2
67.5°	230.1	218.0	211.9	211.9	211.9	211.9	224.0	211.9	218.0	224.0	218.0
70°	211.9	199.8	193.8	193.8	193.8	193.8	199.8	193.8	193.8	199.8	199.8
72.5°	187.7	181.7	175.6	175.6	169.5	175.6	181.7	175.6	175.6	175.6	175.6
75°	169.5	163.5	163.5	157.4	157.4	157.4	163.5	151.4	151.4	151.4	151.4
77.5°	157.4	145.3	145.3	145.3	139.3	145.3	139.3	127.2	127.2	127.2	127.2
80°	133.2	121.1	127.2	127.2	121.1	121.1	115.0	102.9	102.9	102.9	102.9
82.5°	109.0	96.9	102.9	102.9	102.9	102.9	90.8	84.8	78.7	72.7	72.7
85°	96.9	78.7	90.8	90.8	84.8	84.8	60.6	60.6	48.4	48.4	42.4
87.5°	18.2	12.1	24.2	30.3	30.3	36.3	24.2	30.3	18.2	12.1	12.1
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: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4
2.5°	3839.0	3905.6	3996.5	4063.1	4166.0	4244.7	4365.8	4468.8	4565.7	4608.0	4650.4
5°	3221.4	3263.8	3403.1	3512.0	3675.5	3851.1	4069.1	4305.3	4547.5	4656.5	4783.6
7.5°	2410.0	2488.7	2567.4	2724.9	2924.7	3209.3	3487.8	3839.0	4178.1	4341.6	4559.6
10°	1871.1	1931.6	2022.5	2185.9	2373.7	2609.8	2942.9	3360.7	3766.4	3978.3	4202.3
12.5°	1501.7	1586.5	1707.6	1877.1	2095.1	2337.3	2579.5	2967.1	3439.4	3681.6	3935.9
15°	1217.1	1283.7	1416.9	1628.9	1883.2	2131.4	2385.8	2706.7	3221.4	3499.9	3802.7
17.5°	968.8	1017.3	1138.4	1350.3	1604.6	1883.2	2173.8	2579.5	3148.7	3487.8	3845.1
20°	787.2	823.5	902.2	1059.7	1301.9	1604.6	1968.0	2458.4	3191.1	3627.1	4063.1
22.5°	690.3	702.4	738.7	823.5	1023.3	1344.3	1780.2	2355.5	3269.8	3833.0	4420.3
25°	623.7	635.8	647.9	702.4	817.5	1120.2	1616.8	2294.9	3439.4	4135.7	4832.1
27.5°	581.3	593.4	599.5	623.7	702.4	956.7	1477.5	2258.6	3669.5	4577.8	5340.7
30°	545.0	545.0	563.1	599.5	654.0	841.7	1356.4	2173.8	3911.7	4947.1	5740.4
32.5°	514.7	520.8	545.0	563.1	599.5	744.8	1235.3	2064.8	4129.7	5249.9	6134.0
35°	460.2	460.2	466.3	496.5	545.0	666.1	1126.3	1955.8	4250.8	5546.6	6485.2
37.5°	423.9	429.9	442.0	466.3	508.6	611.6	1035.4	1834.7	4377.9	5825.2	6896.9
40°	399.6	405.7	417.8	442.0	484.4	563.1	956.7	1737.9	4511.2	6127.9	7339.0
42.5°	381.5	387.5	399.6	423.9	460.2	551.0	872.0	1659.1	4589.9	6406.5	7756.8
45°	363.3	369.4	387.5	411.8	442.0	538.9	823.5	1604.6	4620.2	6594.2	8089.8
47.5°	345.1	351.2	369.4	405.7	442.0	520.8	805.3	1574.4	4644.4	6806.1	8356.2
50°	327.0	339.1	363.3	399.6	448.1	496.5	793.2	1568.3	4783.6	7078.6	8610.6
52.5°	314.9	333.0	357.3	399.6	442.0	460.2	787.2	1586.5	5062.2	7484.3	8973.9
55°	302.8	320.9	345.1	399.6	423.9	429.9	756.9	1616.8	5486.1	8047.4	9488.6
57.5°	290.7	302.8	333.0	387.5	399.6	405.7	696.4	1659.1	5909.9	8598.5	10015.4
60°	272.5	284.6	314.9	387.5	363.3	381.5	617.6	1671.2	6212.7	8774.1	10063.8
62.5°	254.3	266.4	296.7	399.6	333.0	357.3	551.0	1628.9	6273.2	8519.7	9791.3
65°	236.2	248.3	272.5	333.0	308.8	333.0	508.6	1513.8	6073.4	7938.4	9294.8
67.5°	218.0	230.1	248.3	272.5	278.5	302.8	490.5	1332.2	5570.8	7217.9	8616.6
70°	193.8	205.9	224.0	242.2	248.3	284.6	460.2	1156.6	4759.4	6255.1	7787.1
72.5°	175.6	181.7	199.8	211.9	224.0	260.4	442.0	1011.2	3639.2	5062.2	6352.0
75°	151.4	151.4	169.5	181.7	193.8	230.1	405.7	841.7	2567.4	3863.2	4668.6
77.5°	127.2	127.2	139.3	151.4	163.5	199.8	345.1	684.2	1780.2	3064.0	3384.9
80°	96.9	96.9	109.0	121.1	133.2	169.5	278.5	502.6	1102.1	2240.4	2464.5
82.5°	66.6	66.6	84.8	90.8	96.9	133.2	211.9	345.1	647.9	1616.8	1762.1
85°	36.3	36.3	48.4	54.5	66.6	96.9	157.4	242.2	387.5	1168.7	1174.7
87.5°	6.1	6.1	18.2	18.2	30.3	48.4	90.8	133.2	218.0	647.9	411.8
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: P598709  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4	4323.4
2.5°	4729.1	4795.8	4801.8	4801.8	4771.5	4777.6	4692.8	4602.0	4571.7	4565.7
5°	4977.4	5153.0	5201.5	5225.7	5147.0	5025.9	4807.9	4571.7	4450.6	4432.4
7.5°	4929.0	5280.2	5467.9	5492.1	5334.7	5050.1	4668.6	4305.3	4166.0	4129.7
10°	4644.4	5116.7	5455.8	5540.6	5371.0	5007.7	4511.2	4087.3	3917.7	3887.5
12.5°	4444.6	4898.7	5231.7	5346.8	5268.1	4953.2	4432.4	3948.0	3778.5	3736.1
15°	4335.6	4753.4	4971.4	5007.7	5001.6	4868.4	4432.4	3978.3	3790.6	3742.1
17.5°	4426.4	4711.0	4741.3	4656.5	4704.9	4771.5	4529.3	4141.8	3960.1	3917.7
20°	4608.0	4692.8	4547.5	4420.3	4444.6	4656.5	4680.7	4450.6	4305.3	4232.6
22.5°	4989.5	4759.4	4426.4	4250.8	4269.0	4565.7	4880.5	4868.4	4741.3	4704.9
25°	5377.1	4947.1	4390.1	4184.2	4208.4	4547.5	5116.7	5334.7	5268.1	5249.9
27.5°	5807.0	5262.0	4414.3	4153.9	4184.2	4571.7	5280.2	5728.3	5740.4	5722.2
30°	6097.6	5413.4	4486.9	4190.2	4232.6	4632.3	5316.5	5964.4	6073.4	6079.5
32.5°	6339.8	5564.8	4638.3	4250.8	4323.4	4741.3	5413.4	6188.5	6430.7	6436.7
35°	6533.6	5734.3	4826.0	4359.8	4468.8	4922.9	5540.6	6400.4	6763.7	6806.1
37.5°	6781.9	5922.0	5044.0	4595.9	4717.0	5183.3	5764.6	6648.7	7157.3	7272.4
40°	7048.3	6109.7	5358.9	4977.4	5153.0	5570.8	6018.9	6927.2	7490.3	7647.8
42.5°	7345.0	6309.6	5716.2	5492.1	5758.5	6061.3	6309.6	7181.5	7744.7	7926.3
45°	7635.7	6551.8	6236.9	6194.5	6491.2	6642.6	6594.2	7363.2	7986.9	8168.5
47.5°	7841.5	6903.0	6866.7	7121.0	7399.5	7320.8	6927.2	7496.4	8186.7	8386.5
50°	8029.3	7339.0	7659.9	8156.4	8326.0	8059.5	7284.5	7678.1	8398.6	8622.7
52.5°	8307.8	7805.2	8477.3	9095.0	9258.5	8834.6	7672.0	7974.8	8725.6	8925.4
55°	8877.0	8332.0	9331.1	10039.6	10069.9	9543.1	8192.8	8477.3	9185.8	9415.9
57.5°	9512.8	8979.9	10009.3	10820.7	10808.6	10251.5	8780.1	9155.5	9809.5	9966.9
60°	10088.0	9633.9	10748.1	11377.8	11347.5	10766.2	9464.4	9924.6	10524.0	10645.1
62.5°	10427.1	10227.3	11075.1	11553.4	11438.4	10935.8	10045.7	10608.8	11032.7	11075.1
65°	10372.6	10566.4	10693.6	10990.3	10826.8	10463.5	10330.3	11044.8	11087.2	11044.8
67.5°	9960.9	10372.6	9646.0	9676.3	9591.5	9282.7	9888.2	10929.7	10639.1	10536.1
70°	9337.2	9367.5	8065.6	7684.1	7817.3	7393.5	8483.4	10033.5	9585.5	9458.3
72.5°	8301.7	7926.3	6097.6	5710.1	5909.9	5607.2	6806.1	8743.8	8307.8	7896.0
75°	6963.5	6279.3	4644.4	4093.3	4196.3	4184.2	5274.1	7223.9	6436.7	6025.0
77.5°	5395.2	4892.6	3427.3	3215.3	3106.3	3130.6	3681.6	5371.0	4668.6	4153.9
80°	3942.0	3421.2	2652.2	2773.3	2712.8	2567.4	2579.5	3596.8	3245.6	2936.8
82.5°	2724.9	2434.2	2149.6	2428.2	2282.8	2058.8	2010.3	2591.6	2434.2	2246.5
85°	1828.7	2004.3	1707.6	1859.0	1610.7	1483.5	1889.2	2167.8	1750.0	1562.3
87.5°	1192.9	1834.7	1229.2	932.5	532.9	714.5	1156.6	1423.0	817.5	442.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)