

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: P598647

Luminaire Tested: **IFLD-S-SA2C-730-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: P598647  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2C-730-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (32) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

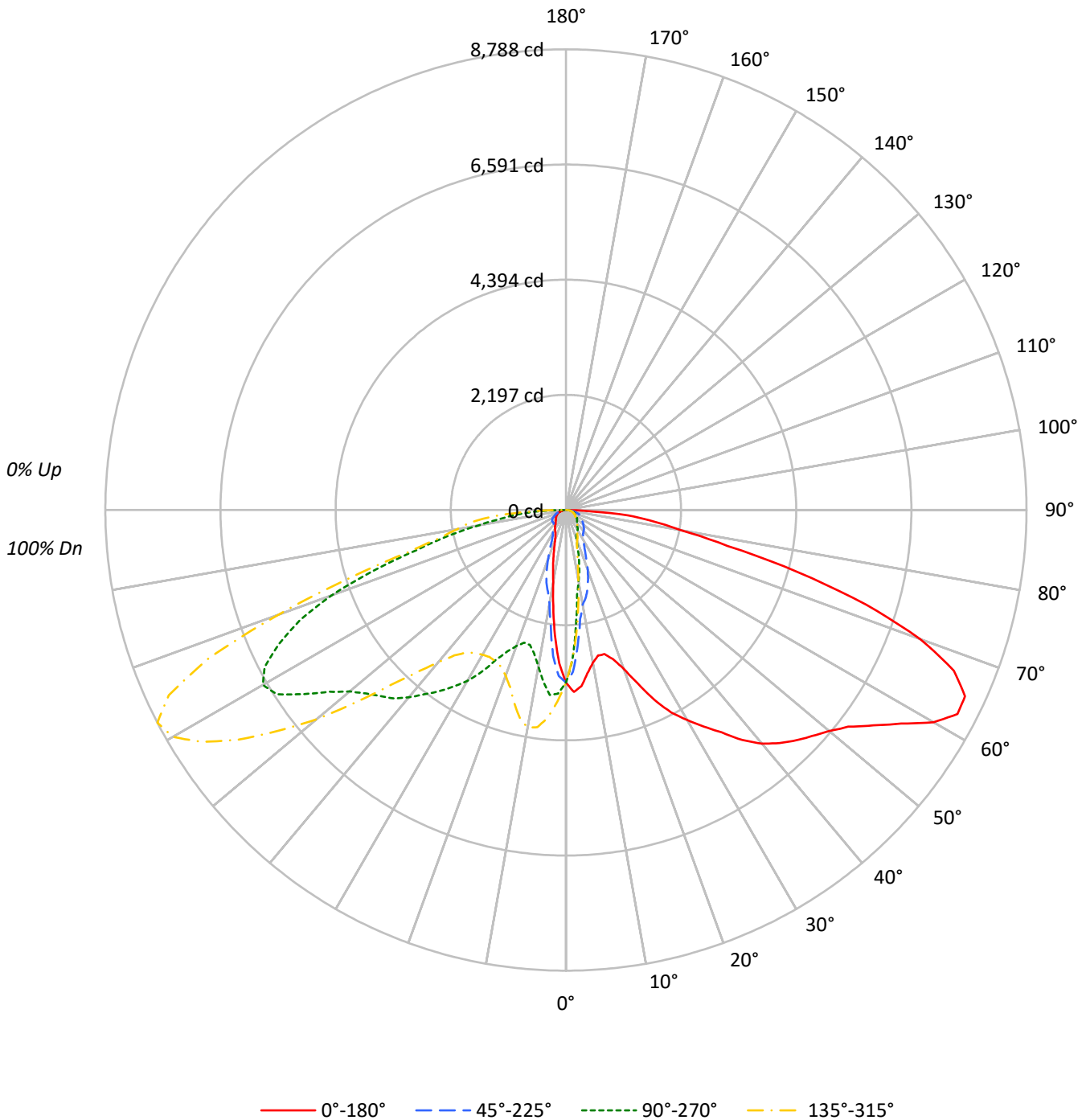
Lumens per Lamp: N/A  
 Luminaire Lumens: 11008.8 lumens  
 Efficiency: N/A  
 Efficacy: 101.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 108.2  
 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: P598647  
CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

### Luminous Intensity Polar Plot



TEST NUMBER: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14

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

	0°	90°	180°	270°
0°	70794	70794	70794	70794
5°	72856	47378	51756	76539
10°	64638	30103	30405	66148
15°	63438	21351	20221	59331
20°	73755	13505	13610	63205
25°	94852	11596	11269	74723
30°	114949	10992	10304	93539
35°	136052	9684	9319	110875
40°	163476	9190	8543	130989
45°	189161	9115	8272	152703
50°	219656	9254	8329	180324
55°	268809	9507	8471	229741
60°	348622	9520	8925	287345
65°	427940	9617	9149	307581
70°	452826	10146	9567	299471
75°	381184	10730	9574	244416
80°	276933	12559	9707	211264
85°	293515	18204	7954	219562

TEST NUMBER: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.5	2.3
10°-20°	532.6	4.8
20°-30°	767.6	7.0
30°-40°	1105.0	10.0
40°-50°	1569.6	14.3
50°-60°	2256.7	20.5
60°-70°	2607.2	23.7
70°-80°	1476.2	13.4
80°-90°	439.3	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°	1554.7	14.1
0°-40°	2659.8	24.2
0°-60°	6486.0	58.9
0°-90°	11008.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11008.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3288	3288	3288	3288	3288	
5°	3371	2192	2395	3542	3371	306
15°	2846	958	907	2662	2846	837
25°	3993	488	474	3146	3993	1853
35°	5177	368	355	4219	5177	3286
45°	6213	299	272	5016	6213	4811
55°	7162	253	226	6121	7162	6486
65°	8401	189	180	6038	8401	8056
75°	4583	129	115	2938	4583	4863
85°	1188	74	32	889	1188	1183
90°	0	0	0	0	0	

TEST NUMBER: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5
2.5°	3472.8	3468.2	3440.5	3353.0	3260.9	3173.4	3090.5	3003.0	2956.9	2901.6	2878.6
5°	3371.4	3362.2	3283.9	3090.5	2920.1	2735.8	2579.2	2454.9	2353.6	2252.2	2215.4
7.5°	3141.1	3127.3	3035.2	2768.1	2519.4	2279.9	2091.0	1929.8	1796.3	1736.4	1667.3
10°	2956.9	2933.9	2814.1	2519.4	2197.0	1957.5	1833.1	1722.6	1607.4	1510.7	1409.4
12.5°	2841.8	2814.1	2689.8	2344.3	2031.2	1851.5	1722.6	1598.2	1455.4	1335.7	1225.1
15°	2846.4	2814.1	2662.1	2298.3	1989.7	1759.4	1579.8	1409.4	1243.6	1110.0	985.6
17.5°	2979.9	2938.5	2777.3	2362.8	1957.5	1639.7	1400.2	1179.1	990.2	847.5	746.1
20°	3219.4	3191.8	3007.6	2459.5	1925.2	1510.7	1215.9	948.8	750.7	640.2	598.8
22.5°	3578.7	3546.5	3348.4	2606.9	1916.0	1395.6	1017.9	746.1	603.4	557.3	534.3
25°	3993.2	3933.3	3749.1	2855.6	1934.4	1289.6	856.7	617.2	538.9	506.6	492.8
27.5°	4352.5	4315.6	4108.4	3090.5	1943.6	1206.7	746.1	561.9	502.0	474.4	465.2
30°	4624.2	4610.4	4407.7	3348.4	1920.6	1105.4	677.1	538.9	502.0	474.4	446.8
32.5°	4895.9	4900.6	4684.1	3546.5	1888.4	1017.9	612.6	479.0	442.2	423.7	428.3
35°	5176.9	5199.9	5015.7	3739.9	1819.3	985.6	566.5	446.8	414.5	386.9	373.1
37.5°	5531.5	5591.4	5411.8	3956.4	1750.2	958.0	543.5	423.7	391.5	368.5	350.0
40°	5817.1	5927.6	5821.7	4159.0	1704.1	925.8	525.1	400.7	377.7	350.0	336.2
42.5°	6029.0	6157.9	6121.1	4315.6	1704.1	893.5	506.6	386.9	368.5	336.2	317.8
45°	6213.2	6346.8	6342.2	4476.8	1741.0	875.1	483.6	386.9	359.3	327.0	308.6
47.5°	6379.0	6512.6	6558.6	4679.5	1800.9	865.9	456.0	377.7	359.3	322.4	294.8
50°	6558.6	6706.0	6844.2	5001.9	1874.6	842.9	437.5	363.9	363.9	317.8	285.6
52.5°	6788.9	6954.7	7208.1	5402.6	1948.2	801.4	409.9	354.6	363.9	313.2	276.3
55°	7162.0	7300.2	7631.8	5881.6	2040.4	750.7	386.9	331.6	345.4	299.4	262.5
57.5°	7581.1	7700.9	7977.2	6250.1	2068.0	686.3	354.6	308.6	331.6	285.6	244.1
60°	8097.0	8156.8	8156.8	6356.0	1975.9	626.4	331.6	290.2	299.4	271.7	230.3
62.5°	8424.0	8424.0	8156.8	6162.5	1800.9	575.7	313.2	271.7	262.5	253.3	216.5
65°	8401.0	8364.1	7968.0	5600.6	1598.2	543.5	294.8	248.7	234.9	230.3	202.7
67.5°	8014.1	7949.6	7410.7	4808.4	1386.3	529.7	276.3	225.7	216.5	207.3	184.2
70°	7194.2	7028.4	6365.2	3868.9	1179.1	520.5	271.7	207.3	198.0	188.8	170.4
72.5°	6005.9	5794.1	4969.6	2975.3	990.2	488.2	257.9	184.2	179.6	170.4	152.0
75°	4582.8	4191.3	3468.2	2275.3	769.2	423.7	221.1	161.2	161.2	156.6	138.2
77.5°	3159.6	2956.9	2418.0	1681.1	561.9	327.0	179.6	142.8	142.8	147.4	129.0
80°	2233.8	2045.0	1722.6	1206.7	354.6	221.1	138.2	119.8	133.6	142.8	119.8
82.5°	1708.7	1570.6	1280.4	879.7	207.3	152.0	105.9	96.7	115.1	124.4	101.3
85°	1188.3	1022.5	649.4	589.5	119.8	92.1	78.3	78.3	101.3	124.4	92.1
87.5°	336.2	142.8	41.5	175.0	50.7	36.8	27.6	18.4	27.6	27.6	18.4
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: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5
2.5°	2855.6	2828.0	2828.0	2818.7	2823.3	2828.0	2823.3	2855.6	2869.4	2887.8	2924.7
5°	2192.4	2229.2	2201.6	2229.2	2266.0	2321.3	2335.1	2376.6	2381.2	2413.4	2395.0
7.5°	1625.8	1621.2	1598.2	1630.4	1731.8	1810.1	1846.9	1869.9	1874.6	1874.6	1851.5
10°	1377.1	1335.7	1294.2	1271.2	1280.4	1363.3	1390.9	1404.8	1395.6	1409.4	1390.9
12.5°	1179.1	1142.2	1082.4	1040.9	1013.3	1036.3	1063.9	1077.8	1087.0	1110.0	1128.4
15°	958.0	921.2	884.3	861.3	838.3	819.8	842.9	856.7	879.7	898.1	907.3
17.5°	727.7	709.3	690.9	704.7	704.7	695.5	704.7	709.3	718.5	732.3	727.7
20°	589.5	584.9	580.3	603.4	621.8	621.8	631.0	617.2	612.6	598.8	594.1
22.5°	525.1	525.1	529.7	548.1	566.5	575.7	575.7	552.7	529.7	520.5	525.1
25°	488.2	488.2	502.0	506.6	515.8	515.8	520.5	497.4	483.6	469.8	474.4
27.5°	460.6	460.6	465.2	465.2	469.8	469.8	474.4	465.2	446.8	442.2	442.2
30°	442.2	442.2	437.5	437.5	437.5	437.5	442.2	428.3	419.1	414.5	414.5
32.5°	423.7	419.1	414.5	414.5	409.9	409.9	414.5	400.7	396.1	396.1	396.1
35°	368.5	363.9	368.5	377.7	377.7	382.3	382.3	377.7	368.5	359.3	354.6
37.5°	345.4	340.8	340.8	340.8	350.0	354.6	359.3	350.0	336.2	322.4	322.4
40°	327.0	327.0	322.4	322.4	322.4	331.6	340.8	327.0	308.6	304.0	304.0
42.5°	313.2	308.6	304.0	299.4	294.8	308.6	317.8	299.4	290.2	290.2	290.2
45°	299.4	294.8	290.2	285.6	281.0	285.6	294.8	276.3	271.7	271.7	271.7
47.5°	285.6	281.0	271.7	267.1	262.5	262.5	271.7	257.9	253.3	257.9	257.9
50°	276.3	267.1	257.9	253.3	248.7	248.7	248.7	244.1	244.1	244.1	248.7
52.5°	267.1	257.9	244.1	239.5	234.9	234.9	234.9	234.9	230.3	234.9	239.5
55°	253.3	244.1	234.9	230.3	225.7	221.1	225.7	221.1	221.1	225.7	225.7
57.5°	234.9	225.7	216.5	216.5	211.9	211.9	216.5	211.9	211.9	216.5	216.5
60°	221.1	211.9	202.7	202.7	198.0	202.7	207.3	202.7	202.7	202.7	207.3
62.5°	202.7	198.0	188.8	188.8	188.8	188.8	193.4	188.8	193.4	193.4	193.4
65°	188.8	179.6	175.0	175.0	175.0	175.0	184.2	175.0	179.6	179.6	179.6
67.5°	175.0	165.8	161.2	161.2	161.2	161.2	170.4	161.2	165.8	170.4	165.8
70°	161.2	152.0	147.4	147.4	147.4	147.4	152.0	147.4	147.4	152.0	152.0
72.5°	142.8	138.2	133.6	133.6	129.0	133.6	138.2	133.6	133.6	133.6	133.6
75°	129.0	124.4	124.4	119.8	119.8	119.8	124.4	115.1	115.1	115.1	115.1
77.5°	119.8	110.5	110.5	110.5	105.9	110.5	105.9	96.7	96.7	96.7	96.7
80°	101.3	92.1	96.7	96.7	92.1	92.1	87.5	78.3	78.3	78.3	78.3
82.5°	82.9	73.7	78.3	78.3	78.3	78.3	69.1	64.5	59.9	55.3	55.3
85°	73.7	59.9	69.1	69.1	64.5	64.5	46.1	46.1	36.8	36.8	32.2
87.5°	13.8	9.2	18.4	23.0	23.0	27.6	18.4	23.0	13.8	9.2	9.2
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: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5
2.5°	2920.1	2970.7	3039.8	3090.5	3168.8	3228.7	3320.8	3399.1	3472.8	3505.0	3537.2
5°	2450.3	2482.5	2588.5	2671.4	2795.7	2929.3	3095.1	3274.7	3458.9	3541.8	3638.6
7.5°	1833.1	1893.0	1952.9	2072.6	2224.6	2441.1	2652.9	2920.1	3178.0	3302.3	3468.2
10°	1423.2	1469.2	1538.3	1662.7	1805.5	1985.1	2238.4	2556.2	2864.8	3026.0	3196.4
12.5°	1142.2	1206.7	1298.8	1427.8	1593.6	1777.8	1962.1	2256.8	2616.1	2800.3	2993.8
15°	925.8	976.4	1077.8	1239.0	1432.4	1621.2	1814.7	2058.8	2450.3	2662.1	2892.4
17.5°	736.9	773.8	865.9	1027.1	1220.5	1432.4	1653.5	1962.1	2395.0	2652.9	2924.7
20°	598.8	626.4	686.3	806.0	990.2	1220.5	1496.9	1869.9	2427.2	2758.9	3090.5
22.5°	525.1	534.3	561.9	626.4	778.4	1022.5	1354.1	1791.7	2487.1	2915.5	3362.2
25°	474.4	483.6	492.8	534.3	621.8	852.1	1229.7	1745.6	2616.1	3145.8	3675.4
27.5°	442.2	451.4	456.0	474.4	534.3	727.7	1123.8	1718.0	2791.1	3482.0	4062.3
30°	414.5	414.5	428.3	456.0	497.4	640.2	1031.7	1653.5	2975.3	3762.9	4366.3
32.5°	391.5	396.1	414.5	428.3	456.0	566.5	939.6	1570.6	3141.1	3993.2	4665.7
35°	350.0	350.0	354.6	377.7	414.5	506.6	856.7	1487.7	3233.3	4218.9	4932.8
37.5°	322.4	327.0	336.2	354.6	386.9	465.2	787.6	1395.6	3330.0	4430.8	5246.0
40°	304.0	308.6	317.8	336.2	368.5	428.3	727.7	1321.9	3431.3	4661.1	5582.2
42.5°	290.2	294.8	304.0	322.4	350.0	419.1	663.2	1262.0	3491.2	4872.9	5900.0
45°	276.3	281.0	294.8	313.2	336.2	409.9	626.4	1220.5	3514.2	5015.7	6153.3
47.5°	262.5	267.1	281.0	308.6	336.2	396.1	612.6	1197.5	3532.6	5176.9	6356.0
50°	248.7	257.9	276.3	304.0	340.8	377.7	603.4	1192.9	3638.6	5384.2	6549.4
52.5°	239.5	253.3	271.7	304.0	336.2	350.0	598.8	1206.7	3850.4	5692.8	6825.8
55°	230.3	244.1	262.5	304.0	322.4	327.0	575.7	1229.7	4172.8	6121.1	7217.3
57.5°	221.1	230.3	253.3	294.8	304.0	308.6	529.7	1262.0	4495.2	6540.2	7618.0
60°	207.3	216.5	239.5	294.8	276.3	290.2	469.8	1271.2	4725.5	6673.8	7654.8
62.5°	193.4	202.7	225.7	304.0	253.3	271.7	419.1	1239.0	4771.6	6480.3	7447.6
65°	179.6	188.8	207.3	253.3	234.9	253.3	386.9	1151.4	4619.6	6038.2	7069.9
67.5°	165.8	175.0	188.8	207.3	211.9	230.3	373.1	1013.3	4237.3	5490.1	6554.0
70°	147.4	156.6	170.4	184.2	188.8	216.5	350.0	879.7	3620.1	4757.8	5923.0
72.5°	133.6	138.2	152.0	161.2	170.4	198.0	336.2	769.2	2768.1	3850.4	4831.5
75°	115.1	115.1	129.0	138.2	147.4	175.0	308.6	640.2	1952.9	2938.5	3551.1
77.5°	96.7	96.7	105.9	115.1	124.4	152.0	262.5	520.5	1354.1	2330.5	2574.6
80°	73.7	73.7	82.9	92.1	101.3	129.0	211.9	382.3	838.3	1704.1	1874.6
82.5°	50.7	50.7	64.5	69.1	73.7	101.3	161.2	262.5	492.8	1229.7	1340.3
85°	27.6	27.6	36.8	41.5	50.7	73.7	119.8	184.2	294.8	888.9	893.5
87.5°	4.6	4.6	13.8	13.8	23.0	36.8	69.1	101.3	165.8	492.8	313.2
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: P598647  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5	3288.5
2.5°	3597.1	3647.8	3652.4	3652.4	3629.4	3634.0	3569.5	3500.4	3477.4	3472.8
5°	3786.0	3919.5	3956.4	3974.8	3914.9	3822.8	3657.0	3477.4	3385.3	3371.4
7.5°	3749.1	4016.2	4159.0	4177.4	4057.7	3841.2	3551.1	3274.7	3168.8	3141.1
10°	3532.6	3891.9	4149.8	4214.3	4085.3	3809.0	3431.3	3108.9	2979.9	2956.9
12.5°	3380.6	3726.1	3979.4	4066.9	4007.0	3767.5	3371.4	3003.0	2874.0	2841.8
15°	3297.7	3615.5	3781.3	3809.0	3804.4	3703.1	3371.4	3026.0	2883.2	2846.4
17.5°	3366.8	3583.3	3606.3	3541.8	3578.7	3629.4	3445.1	3150.4	3012.2	2979.9
20°	3505.0	3569.5	3458.9	3362.2	3380.6	3541.8	3560.3	3385.3	3274.7	3219.4
22.5°	3795.2	3620.1	3366.8	3233.3	3247.1	3472.8	3712.3	3703.1	3606.3	3578.7
25°	4089.9	3762.9	3339.2	3182.6	3201.0	3458.9	3891.9	4057.7	4007.0	3993.2
27.5°	4416.9	4002.4	3357.6	3159.6	3182.6	3477.4	4016.2	4357.1	4366.3	4352.5
30°	4638.0	4117.6	3412.9	3187.2	3219.4	3523.4	4043.9	4536.7	4619.6	4624.2
32.5°	4822.3	4232.7	3528.0	3233.3	3288.5	3606.3	4117.6	4707.1	4891.3	4895.9
35°	4969.6	4361.7	3670.8	3316.2	3399.1	3744.5	4214.3	4868.3	5144.7	5176.9
37.5°	5158.5	4504.5	3836.6	3495.8	3587.9	3942.6	4384.7	5057.2	5444.0	5531.5
40°	5361.1	4647.2	4076.1	3786.0	3919.5	4237.3	4578.2	5269.0	5697.4	5817.1
42.5°	5586.8	4799.2	4347.9	4177.4	4380.1	4610.4	4799.2	5462.5	5890.8	6029.0
45°	5807.9	4983.5	4744.0	4711.7	4937.4	5052.5	5015.7	5600.6	6075.0	6213.2
47.5°	5964.5	5250.6	5223.0	5416.4	5628.3	5568.4	5269.0	5702.0	6227.0	6379.0
50°	6107.3	5582.2	5826.3	6204.0	6333.0	6130.3	5540.8	5840.1	6388.2	6558.6
52.5°	6319.1	5936.9	6448.1	6917.9	7042.2	6719.8	5835.5	6065.8	6636.9	6788.9
55°	6752.1	6337.6	7097.5	7636.4	7659.4	7258.7	6231.6	6448.1	6987.0	7162.0
57.5°	7235.7	6830.4	7613.4	8230.5	8221.3	7797.6	6678.4	6963.9	7461.4	7581.1
60°	7673.2	7327.8	8175.3	8654.3	8631.2	8189.1	7198.8	7548.9	8004.9	8097.0
62.5°	7931.2	7779.2	8424.0	8787.8	8700.3	8318.0	7641.0	8069.3	8391.7	8424.0
65°	7889.7	8037.1	8133.8	8359.5	8235.1	7958.8	7857.5	8401.0	8433.2	8401.0
67.5°	7576.5	7889.7	7337.0	7360.0	7295.6	7060.7	7521.2	8313.4	8092.4	8014.1
70°	7102.1	7125.1	6134.9	5844.7	5946.1	5623.7	6452.7	7631.8	7291.0	7194.2
72.5°	6314.5	6029.0	4638.0	4343.3	4495.2	4265.0	5176.9	6650.8	6319.1	6005.9
75°	5296.7	4776.2	3532.6	3113.5	3191.8	3182.6	4011.6	5494.7	4895.9	4582.8
77.5°	4103.8	3721.5	2606.9	2445.7	2362.8	2381.2	2800.3	4085.3	3551.1	3159.6
80°	2998.4	2602.3	2017.3	2109.4	2063.4	1952.9	1962.1	2735.8	2468.7	2233.8
82.5°	2072.6	1851.5	1635.1	1846.9	1736.4	1566.0	1529.1	1971.3	1851.5	1708.7
85°	1390.9	1524.5	1298.8	1414.0	1225.1	1128.4	1437.0	1648.9	1331.1	1188.3
87.5°	907.3	1395.6	935.0	709.3	405.3	543.5	879.7	1082.4	621.8	336.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)