

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: P599145

Luminaire Tested: **IFLD-S-SA3C-727-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: P599145  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3C-727-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (48) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

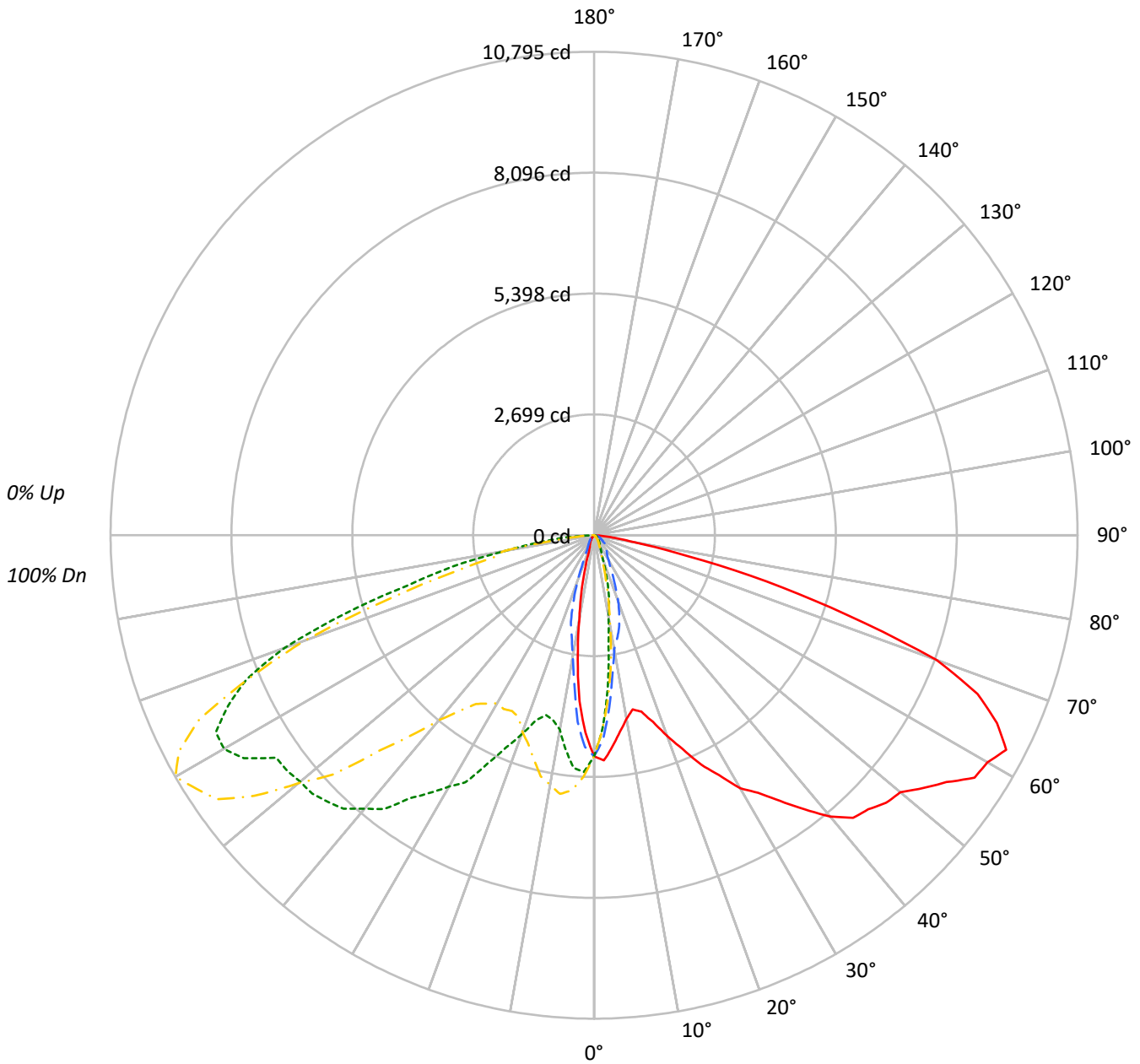
Lumens per Lamp: N/A  
 Luminaire Lumens: 12903.5 lumens  
 Efficiency: N/A  
 Efficacy: 80.2 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

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

TEST NUMBER: P599145  
CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79			79	
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62			62	
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49			49	
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40			40	
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33			33	
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27			27	
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24			24	
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20			20	
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18			18	
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16			16	

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

	0°	90°	180°	270°
0°	70798	70798	70798	70798
5°	68161	49818	53628	75128
10°	60686	27124	27478	64235
15°	60580	18091	11062	61716
20°	72737	9032	4409	72313
25°	89465	5674	3416	89024
30°	108097	4554	2594	107406
35°	126839	3657	2011	125558
40°	153554	3129	1304	149318
45°	175675	2825	706	170802
50°	199312	2719	156	191155
55°	240424	2612	0	216746
60°	291079	2196	0	273805
65°	337051	1773	0	306335
70°	341299	1460	0	308891
75°	220880	965	0	236889
80°	75335	289	0	167629
85°	37808	0	0	123173

TEST NUMBER: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.7	2.9
10°-20°	723.6	5.6
20°-30°	1007.8	7.8
30°-40°	1431.9	11.1
40°-50°	1985.7	15.4
50°-60°	2705.6	21.0
60°-70°	2974.6	23.1
70°-80°	1462.0	11.3
80°-90°	238.7	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°	2105.0	16.3
0°-40°	3537.0	27.4
0°-60°	8228.2	63.8
0°-90°	12903.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12903.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4933	4933	4933	4933	4933	
5°	4731	3458	3722	5215	4731	433
15°	4077	1218	744	4154	4077	1207
25°	5650	358	216	5622	5650	2627
35°	7240	209	115	7166	7240	4595
45°	8655	139	35	8415	8655	6709
55°	9609	104	0	8662	9609	8643
65°	9925	52	0	9021	9925	9591
75°	3983	17	0	4272	3983	4343
85°	230	0	0	748	230	318
90°	0	0	0	0	0	

TEST NUMBER: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0
2.5°	5033.9	5093.0	5037.4	4842.5	4807.8	4713.8	4571.2	4560.8	4411.2	4428.6	4348.6
5°	4731.2	4790.4	4672.1	4414.6	4174.6	3983.3	3868.5	3663.2	3618.0	3517.1	3517.1
7.5°	4421.6	4418.1	4216.4	4000.7	3642.3	3291.0	3131.0	2835.3	2661.3	2567.4	2476.9
10°	4164.2	4108.5	3983.3	3538.0	3148.4	2783.1	2584.8	2390.0	2209.1	2052.5	1896.0
12.5°	3983.3	4018.1	3819.8	3336.2	2831.8	2577.8	2365.6	2160.4	1944.7	1767.3	1593.3
15°	4077.2	4021.5	3788.5	3291.0	2779.6	2431.7	2149.9	1899.4	1659.4	1426.3	1294.1
17.5°	4369.4	4226.8	3952.0	3291.0	2671.8	2209.1	1868.1	1572.4	1315.0	1106.3	942.8
20°	4762.5	4599.0	4303.3	3412.7	2591.7	2045.6	1579.4	1207.2	939.3	744.5	619.2
22.5°	5166.1	5037.4	4592.1	3461.4	2497.8	1826.4	1245.4	873.2	626.2	501.0	438.3
25°	5649.6	5468.7	4981.7	3656.3	2358.7	1614.2	981.0	608.8	466.2	400.1	361.8
27.5°	6035.8	6004.5	5347.0	3774.5	2254.3	1440.2	775.8	483.6	386.2	337.4	313.1
30°	6522.8	6352.4	5792.3	4011.1	2136.0	1241.9	647.1	434.9	354.8	302.7	285.3
32.5°	6815.0	6735.0	6025.4	4143.3	2003.8	1078.4	556.6	382.7	323.5	285.3	267.9
35°	7239.5	7079.4	6359.3	4226.8	1934.2	984.5	501.0	347.9	271.3	233.1	212.2
37.5°	7712.6	7653.5	6759.4	4223.3	1833.3	928.9	462.7	323.5	257.4	215.7	191.3
40°	8196.1	7956.1	7002.9	4320.7	1781.2	887.1	434.9	309.6	243.5	205.3	173.9
42.5°	8557.9	8283.1	7284.7	4285.9	1718.5	814.0	424.4	288.7	233.1	187.9	160.0
45°	8655.4	8557.9	7538.6	4275.5	1673.3	754.9	407.0	285.3	226.1	177.4	149.6
47.5°	8843.2	8777.1	7851.7	4292.9	1638.5	709.7	365.3	292.2	215.7	167.0	142.6
50°	8926.7	8808.4	8105.7	4334.6	1558.5	654.0	327.0	306.1	212.2	163.5	135.7
52.5°	9271.1	9166.7	8453.6	4452.9	1492.4	581.0	288.7	292.2	219.2	153.1	128.7
55°	9608.6	9490.3	8989.3	4724.3	1398.5	521.8	247.0	257.4	208.7	139.2	114.8
57.5°	10071.2	9876.4	9347.6	4835.6	1315.0	441.8	219.2	212.2	194.8	125.2	100.9
60°	10140.8	10220.8	9295.5	4766.0	1228.0	389.6	191.3	163.5	208.7	111.3	87.0
62.5°	10373.9	10039.9	9051.9	4606.0	1165.4	358.3	170.5	135.7	180.9	97.4	73.1
65°	9925.1	9678.1	8481.4	4091.1	1085.4	361.8	149.6	111.3	114.8	80.0	59.1
67.5°	9267.6	9072.8	7535.2	3531.0	1005.4	354.8	132.2	97.4	87.0	69.6	52.2
70°	8133.5	7712.6	6401.1	2866.6	887.1	330.5	111.3	87.0	73.1	55.7	38.3
72.5°	5917.5	5747.0	4592.1	2216.0	796.7	299.2	104.4	73.1	62.6	41.7	31.3
75°	3983.3	3701.5	2897.9	1454.2	640.1	260.9	87.0	66.1	48.7	31.3	24.4
77.5°	2104.7	1989.9	1642.0	692.3	354.8	121.8	48.7	38.3	27.8	24.4	13.9
80°	911.5	810.6	709.7	281.8	125.2	55.7	31.3	20.9	17.4	13.9	7.0
82.5°	466.2	445.3	368.8	121.8	73.1	41.7	17.4	13.9	10.4	7.0	3.5
85°	229.6	236.6	194.8	38.3	41.7	24.4	3.5	3.5	0.0	0.0	0.0
87.5°	17.4	17.4	13.9	7.0	10.4	3.5	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

TEST NUMBER: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0
2.5°	4317.2	4365.9	4282.5	4334.6	4310.3	4320.7	4331.2	4303.3	4310.3	4407.7	4411.2
5°	3458.0	3551.9	3517.1	3565.8	3649.3	3607.6	3645.8	3638.9	3645.8	3659.7	3722.4
7.5°	2466.5	2438.7	2504.8	2633.5	2783.1	2873.5	2828.3	2803.9	2790.0	2755.2	2797.0
10°	1861.2	1847.3	1829.9	1868.1	1965.5	2066.4	2122.1	2028.2	1976.0	1909.9	1885.5
12.5°	1544.6	1457.6	1408.9	1349.8	1377.6	1468.1	1471.5	1381.1	1297.6	1262.8	1301.1
15°	1217.6	1158.5	1071.5	988.0	946.2	1015.8	956.7	869.7	761.9	748.0	744.5
17.5°	869.7	834.9	772.3	737.5	688.8	671.4	608.8	476.6	400.1	379.2	386.2
20°	591.4	563.6	560.1	528.8	507.9	494.0	393.1	306.1	281.8	285.3	288.7
22.5°	438.3	424.4	407.0	403.5	386.2	368.8	288.7	257.4	240.0	240.0	250.5
25°	358.3	351.4	334.0	327.0	320.1	295.7	243.5	219.2	212.2	205.3	215.7
27.5°	306.1	302.7	292.2	281.8	274.8	250.5	212.2	191.3	184.4	184.4	184.4
30°	274.8	274.8	260.9	240.0	240.0	212.2	180.9	167.0	160.0	160.0	156.5
32.5°	257.4	250.5	233.1	219.2	208.7	180.9	160.0	146.1	135.7	135.7	139.2
35°	208.7	208.7	205.3	194.8	180.9	153.1	135.7	121.8	114.8	111.3	114.8
37.5°	184.4	173.9	160.0	163.5	156.5	132.2	114.8	104.4	93.9	93.9	93.9
40°	167.0	156.5	142.6	132.2	128.7	118.3	100.9	83.5	73.1	69.6	69.6
42.5°	149.6	142.6	121.8	104.4	100.9	100.9	76.5	62.6	52.2	52.2	52.2
45°	139.2	128.7	111.3	90.4	73.1	76.5	62.6	45.2	38.3	34.8	34.8
47.5°	132.2	121.8	97.4	76.5	55.7	55.7	45.2	31.3	24.4	20.9	20.9
50°	121.8	111.3	87.0	62.6	41.7	34.8	27.8	17.4	10.4	7.0	7.0
52.5°	114.8	104.4	76.5	52.2	34.8	24.4	17.4	3.5	0.0	0.0	0.0
55°	104.4	90.4	66.1	41.7	27.8	13.9	3.5	0.0	0.0	0.0	0.0
57.5°	90.4	80.0	52.2	31.3	17.4	3.5	0.0	0.0	0.0	0.0	0.0
60°	76.5	66.1	41.7	24.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	62.6	55.7	31.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	52.2	41.7	24.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	45.2	34.8	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	34.8	24.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	24.4	17.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	17.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.5	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

TEST NUMBER: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0
2.5°	4425.1	4529.5	4626.9	4654.7	4731.2	4943.4	4943.4	5044.3	5225.2	5291.3	5305.2
5°	3732.8	3844.1	3865.0	4080.7	4181.6	4397.3	4539.9	4880.8	5086.1	5214.8	5294.8
7.5°	2838.7	2877.0	2957.0	3158.8	3357.1	3618.0	3889.3	4324.2	4686.0	4832.1	5103.5
10°	1951.6	2066.4	2240.4	2421.3	2730.9	3019.6	3371.0	3781.5	4226.8	4407.7	4640.8
12.5°	1315.0	1475.0	1753.3	2010.8	2296.0	2588.3	2922.2	3471.9	3976.3	4226.8	4459.9
15°	768.8	963.6	1203.7	1621.1	2000.3	2327.3	2661.3	3217.9	3830.2	4153.7	4439.0
17.5°	389.6	448.8	647.1	1008.9	1509.8	2045.6	2543.0	3252.7	3941.5	4338.1	4574.7
20°	292.2	309.6	365.3	535.7	1033.2	1690.7	2431.7	3304.9	4251.1	4734.7	4863.4
22.5°	254.0	267.9	292.2	347.9	581.0	1294.1	2275.2	3433.6	4672.1	5127.8	5399.2
25°	215.7	229.6	250.5	285.3	372.2	880.1	2083.8	3569.3	5047.8	5621.8	5875.8
27.5°	187.9	198.3	219.2	247.0	302.7	560.1	1753.3	3750.2	5621.8	6220.2	6286.3
30°	160.0	170.5	187.9	219.2	257.4	396.6	1287.2	3774.5	5938.4	6481.1	6665.5
32.5°	139.2	142.6	163.5	191.3	215.7	313.1	904.5	3798.9	6171.5	6818.5	6856.8
35°	114.8	121.8	142.6	160.0	187.9	247.0	685.3	3677.1	6474.1	7166.4	7156.0
37.5°	93.9	104.4	118.3	132.2	153.1	208.7	546.2	3451.0	6853.3	7705.6	7378.6
40°	73.1	83.5	97.4	114.8	128.7	187.9	410.5	3110.1	7249.9	7970.0	7622.1
42.5°	52.2	59.1	73.1	90.4	114.8	156.5	295.7	2706.5	7406.5	8279.6	7914.4
45°	38.3	45.2	55.7	76.5	118.3	125.2	205.3	2337.8	7573.4	8415.3	7848.3
47.5°	20.9	27.8	41.7	66.1	104.4	93.9	146.1	2007.3	7764.8	8537.1	7900.4
50°	7.0	10.4	24.4	69.6	83.5	73.1	114.8	1829.9	7952.6	8561.4	8004.8
52.5°	0.0	0.0	13.9	73.1	62.6	55.7	100.9	1760.3	7903.9	8638.0	7938.7
55°	0.0	0.0	3.5	31.3	34.8	41.7	83.5	1756.8	8248.3	8662.3	8300.5
57.5°	0.0	0.0	0.0	10.4	20.9	34.8	73.1	1645.5	8467.5	9267.6	8787.6
60°	0.0	0.0	0.0	3.5	13.9	24.4	55.7	1548.1	8690.1	9539.0	9309.4
62.5°	0.0	0.0	0.0	0.0	3.5	10.4	38.3	1398.5	8241.4	9518.1	9813.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	24.4	1106.3	7413.4	9020.6	9535.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	765.3	6491.5	8394.4	9024.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	462.7	5239.1	7361.2	7653.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.3	3739.8	5844.5	6279.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	2313.4	4272.0	4807.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3	1499.4	3235.3	3649.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	800.1	2028.2	2358.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	347.9	1231.5	1419.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3	748.0	852.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.8	153.1
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: P599145  
 CATALOG NUMBER: IFLD-S-SA3C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0	4933.0
2.5°	5312.2	5413.1	5451.3	5392.2	5399.2	5277.4	5260.0	5089.5	5020.0	5033.9
5°	5555.7	5701.8	5781.8	5715.7	5566.1	5333.1	5120.9	4919.1	4793.8	4731.2
7.5°	5500.0	5663.6	5764.4	5827.1	5656.6	5280.9	4957.3	4578.2	4418.1	4421.6
10°	5193.9	5534.8	5740.1	5660.1	5580.1	5204.3	4703.4	4292.9	4150.3	4164.2
12.5°	4946.9	5326.1	5447.9	5510.5	5347.0	5047.8	4710.4	4240.7	4080.7	3983.3
15°	4793.8	5075.6	5082.6	5180.0	5113.9	5113.9	4783.4	4324.2	4185.0	4077.2
17.5°	4793.8	4856.5	4849.5	4884.3	4995.6	5127.8	4967.8	4661.6	4386.8	4369.4
20°	4901.7	4706.9	4661.6	4675.6	4769.5	5162.6	5374.8	4992.1	4818.2	4762.5
22.5°	5152.2	4724.3	4449.4	4400.7	4689.5	5159.1	5635.7	5514.0	5211.3	5166.1
25°	5496.6	4693.0	4393.8	4331.2	4550.3	5284.4	5994.0	6018.4	5743.6	5649.6
27.5°	5823.6	4832.1	4386.8	4372.9	4661.6	5256.5	6241.0	6421.9	6112.3	6035.8
30°	5934.9	4971.3	4515.5	4331.2	4703.4	5357.4	6234.1	6707.2	6505.4	6522.8
32.5°	6067.1	5110.4	4529.5	4456.4	4880.8	5520.9	6432.4	7166.4	7020.3	6815.0
35°	6261.9	5298.3	4661.6	4595.5	5006.1	5667.0	6474.1	7503.9	7479.5	7239.5
37.5°	6428.9	5482.7	4936.5	4946.9	5388.7	5903.6	6658.5	7917.8	7876.1	7712.6
40°	6547.2	5740.1	5364.4	5392.2	5722.7	6168.0	6985.5	8126.6	8436.2	8196.1
42.5°	6564.6	5969.7	5854.9	6077.5	6387.2	6578.5	7117.7	8269.2	8714.5	8557.9
45°	6630.7	6335.0	6655.0	6818.5	7072.5	6940.3	7110.8	8512.7	8735.4	8655.4
47.5°	6888.1	6999.4	7403.0	7900.4	7990.9	7556.0	7277.7	8551.0	8853.7	8843.2
50°	7156.0	7712.6	8279.6	8610.1	8724.9	7980.5	7434.3	8519.7	9010.2	8926.7
52.5°	7455.2	8331.8	9149.4	9556.4	9493.8	8450.1	7611.7	8773.6	9298.9	9271.1
55°	7643.0	8610.1	9709.4	10276.5	10227.8	8975.4	8175.3	9138.9	9678.1	9608.6
57.5°	8140.5	9062.4	10266.1	10530.5	10659.2	9664.2	8568.4	9737.3	9994.7	10071.2
60°	8551.0	9358.1	10412.2	10794.8	10840.1	10074.7	9257.2	10353.0	10398.3	10140.8
62.5°	9152.8	9472.9	10102.6	10447.0	10680.0	10307.8	9876.4	10683.5	10391.3	10373.9
65°	9594.6	9097.2	9525.1	9716.4	9866.0	9953.0	10499.1	10909.6	10262.6	9925.1
67.5°	9347.6	8387.5	8307.5	8317.9	8363.1	8888.4	10290.4	10356.5	9545.9	9267.6
70°	8227.5	6881.1	6773.3	6856.8	6630.7	7263.8	9445.1	9413.7	8422.3	8133.5
72.5°	6655.0	5016.5	4832.1	4946.9	4999.1	5670.5	7945.7	7138.6	6143.6	5917.5
75°	5287.8	3677.1	3103.1	3381.4	3558.9	4129.4	6206.3	4849.5	4289.4	3983.3
77.5°	4153.7	2783.1	2414.3	2303.0	2466.5	3002.2	4515.5	2546.5	2247.3	2104.7
80°	2633.5	2045.6	2219.5	2059.5	2129.1	2143.0	2351.7	1158.5	921.9	911.5
82.5°	1586.4	1398.5	1662.9	914.9	1666.4	1488.9	977.6	525.3	466.2	466.2
85°	1123.7	866.2	574.0	372.2	741.0	817.5	379.2	271.3	236.6	229.6
87.5°	563.6	267.9	128.7	83.5	93.9	153.1	45.2	20.9	20.9	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)