

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: P598619

Luminaire Tested: **IFLD-S-SA2D-727-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: P598619  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2D-727-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (32) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

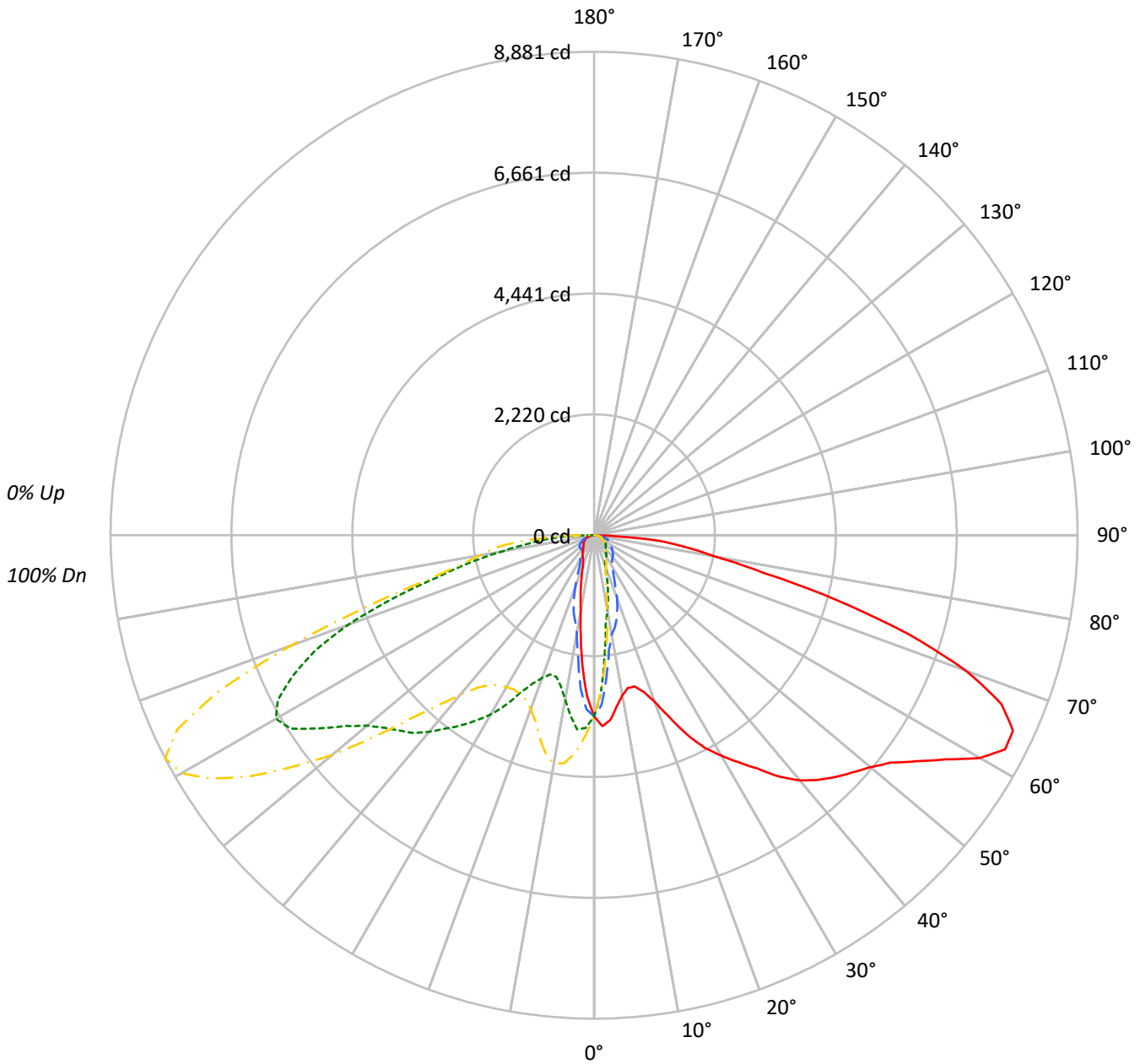
Lumens per Lamp: N/A  
 Luminaire Lumens: 11125.0 lumens  
 Efficiency: N/A  
 Efficacy: 89.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 123.9  
 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: P598619  
CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

### Luminous Intensity Polar Plot



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

TEST NUMBER: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-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°	71541	71541	71541	71541
5°	73625	47877	52303	77347
10°	65320	30422	30726	66845
15°	64107	21576	20435	59957
20°	74534	13649	13755	63872
25°	95854	11720	11387	75512
30°	116162	11107	10413	94526
35°	137487	9787	9419	112045
40°	165201	9288	8633	132372
45°	191158	9210	8360	154313
50°	221977	9354	8416	182226
55°	271646	9608	8561	232166
60°	352299	9619	9016	290376
65°	432453	9719	9245	310826
70°	457609	10253	9668	302631
75°	385202	10838	9682	246995
80°	279859	12695	9806	213495
85°	296603	18402	8052	221884

TEST NUMBER: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.2	2.3
10°-20°	538.3	4.8
20°-30°	775.7	7.0
30°-40°	1116.7	10.0
40°-50°	1586.2	14.3
50°-60°	2280.5	20.5
60°-70°	2634.7	23.7
70°-80°	1491.8	13.4
80°-90°	444.0	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°	1571.2	14.1
0°-40°	2687.8	24.2
0°-60°	6554.5	58.9
0°-90°	11125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3323	3323	3323	3323	3323	
5°	3407	2216	2420	3579	3407	309
15°	2876	968	917	2690	2876	846
25°	4035	493	479	3179	4035	1873
35°	5232	372	358	4263	5232	3320
45°	6279	302	275	5069	6279	4862
55°	7238	256	228	6186	7238	6555
65°	8490	191	182	6102	8490	8141
75°	4631	130	116	2970	4631	4914
85°	1201	74	33	898	1201	1196
90°	0	0	0	0	0	

TEST NUMBER: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2
2.5°	3509.4	3504.8	3476.8	3388.4	3295.3	3206.9	3123.1	3034.7	2988.1	2932.3	2909.0
5°	3407.0	3397.7	3318.6	3123.1	2950.9	2764.7	2606.5	2480.8	2378.4	2276.0	2238.8
7.5°	3174.3	3160.3	3067.2	2797.3	2546.0	2303.9	2113.1	1950.2	1815.2	1754.7	1684.9
10°	2988.1	2964.9	2843.8	2546.0	2220.1	1978.1	1852.5	1740.7	1624.4	1526.6	1424.2
12.5°	2871.8	2843.8	2718.2	2369.1	2052.6	1871.1	1740.7	1615.1	1470.8	1349.8	1238.1
15°	2876.4	2843.8	2690.2	2322.5	2010.7	1778.0	1596.5	1424.2	1256.7	1121.7	996.0
17.5°	3011.4	2969.5	2806.6	2387.7	1978.1	1657.0	1414.9	1191.5	1000.7	856.4	754.0
20°	3253.4	3225.5	3039.3	2485.4	1945.5	1526.6	1228.8	958.8	758.7	647.0	605.1
22.5°	3616.5	3583.9	3383.7	2634.4	1936.2	1410.3	1028.6	754.0	609.7	563.2	539.9
25°	4035.4	3974.9	3788.7	2885.7	1954.8	1303.2	865.7	623.7	544.6	512.0	498.0
27.5°	4398.4	4361.2	4151.7	3123.1	1964.2	1219.5	754.0	567.8	507.3	479.4	470.1
30°	4673.0	4659.1	4454.3	3383.7	1940.9	1117.1	684.2	544.6	507.3	479.4	451.5
32.5°	4947.6	4952.3	4733.5	3583.9	1908.3	1028.6	619.0	484.1	446.8	428.2	432.9
35°	5231.5	5254.8	5068.6	3779.4	1838.5	996.0	572.5	451.5	418.9	391.0	377.0
37.5°	5589.9	5650.4	5468.9	3998.1	1768.7	968.1	549.2	428.2	395.6	372.4	353.7
40°	5878.5	5990.2	5883.2	4202.9	1722.1	935.5	530.6	404.9	381.7	353.7	339.8
42.5°	6092.6	6222.9	6185.7	4361.2	1722.1	903.0	512.0	391.0	372.4	339.8	321.2
45°	6278.8	6413.8	6409.1	4524.1	1759.4	884.3	488.7	391.0	363.0	330.5	311.8
47.5°	6446.3	6581.3	6627.9	4728.9	1819.9	875.0	460.8	381.7	363.0	325.8	297.9
50°	6627.9	6776.8	6916.4	5054.7	1894.3	851.8	442.2	367.7	367.7	321.2	288.6
52.5°	6860.6	7028.1	7284.1	5459.6	1968.8	809.9	414.2	358.4	367.7	316.5	279.3
55°	7237.6	7377.2	7712.3	5943.7	2061.9	758.7	391.0	335.1	349.1	302.5	265.3
57.5°	7661.1	7782.2	8061.4	6316.0	2089.8	693.5	358.4	311.8	335.1	288.6	246.7
60°	8182.4	8242.9	8242.9	6423.1	1996.7	633.0	335.1	293.2	302.5	274.6	232.7
62.5°	8512.9	8512.9	8242.9	6227.6	1819.9	581.8	316.5	274.6	265.3	256.0	218.8
65°	8489.6	8452.4	8052.1	5659.7	1615.1	549.2	297.9	251.3	237.4	232.7	204.8
67.5°	8098.7	8033.5	7488.9	4859.2	1401.0	535.3	279.3	228.1	218.8	209.4	186.2
70°	7270.2	7102.6	6432.4	3909.7	1191.5	525.9	274.6	209.4	200.1	190.8	172.2
72.5°	6069.3	5855.2	5022.1	3006.7	1000.7	493.4	260.6	186.2	181.5	172.2	153.6
75°	4631.1	4235.5	3504.8	2299.3	777.3	428.2	223.4	162.9	162.9	158.2	139.6
77.5°	3192.9	2988.1	2443.6	1698.9	567.8	330.5	181.5	144.3	144.3	148.9	130.3
80°	2257.4	2066.6	1740.7	1219.5	358.4	223.4	139.6	121.0	135.0	144.3	121.0
82.5°	1726.8	1587.2	1293.9	889.0	209.4	153.6	107.1	97.7	116.4	125.7	102.4
85°	1200.8	1033.3	656.3	595.8	121.0	93.1	79.1	79.1	102.4	125.7	93.1
87.5°	339.8	144.3	41.9	176.9	51.2	37.2	27.9	18.6	27.9	27.9	18.6
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: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2
2.5°	2885.7	2857.8	2857.8	2848.5	2853.1	2857.8	2853.1	2885.7	2899.7	2918.3	2955.5
5°	2215.5	2252.7	2224.8	2252.7	2290.0	2345.8	2359.8	2401.7	2406.3	2438.9	2420.3
7.5°	1643.0	1638.3	1615.1	1647.7	1750.1	1829.2	1866.4	1889.7	1894.3	1894.3	1871.1
10°	1391.7	1349.8	1307.9	1284.6	1293.9	1377.7	1405.6	1419.6	1410.3	1424.2	1405.6
12.5°	1191.5	1154.3	1093.8	1051.9	1024.0	1047.2	1075.2	1089.1	1098.4	1121.7	1140.3
15°	968.1	930.9	893.6	870.4	847.1	828.5	851.8	865.7	889.0	907.6	916.9
17.5°	735.4	716.8	698.2	712.1	712.1	702.8	712.1	716.8	726.1	740.0	735.4
20°	595.8	591.1	586.5	609.7	628.3	628.3	637.7	623.7	619.0	605.1	600.4
22.5°	530.6	530.6	535.3	553.9	572.5	581.8	581.8	558.5	535.3	525.9	530.6
25°	493.4	493.4	507.3	512.0	521.3	521.3	525.9	502.7	488.7	474.7	479.4
27.5°	465.4	465.4	470.1	470.1	474.7	474.7	479.4	470.1	451.5	446.8	446.8
30°	446.8	446.8	442.2	442.2	442.2	442.2	446.8	432.9	423.6	418.9	418.9
32.5°	428.2	423.6	418.9	418.9	414.2	414.2	418.9	404.9	400.3	400.3	400.3
35°	372.4	367.7	372.4	381.7	381.7	386.3	386.3	381.7	372.4	363.0	358.4
37.5°	349.1	344.4	344.4	344.4	353.7	358.4	363.0	353.7	339.8	325.8	325.8
40°	330.5	330.5	325.8	325.8	325.8	335.1	344.4	330.5	311.8	307.2	307.2
42.5°	316.5	311.8	307.2	302.5	297.9	311.8	321.2	302.5	293.2	293.2	293.2
45°	302.5	297.9	293.2	288.6	283.9	288.6	297.9	279.3	274.6	274.6	274.6
47.5°	288.6	283.9	274.6	270.0	265.3	265.3	274.6	260.6	256.0	260.6	260.6
50°	279.3	270.0	260.6	256.0	251.3	251.3	251.3	246.7	246.7	246.7	251.3
52.5°	270.0	260.6	246.7	242.0	237.4	237.4	237.4	237.4	232.7	237.4	242.0
55°	256.0	246.7	237.4	232.7	228.1	223.4	228.1	223.4	223.4	228.1	228.1
57.5°	237.4	228.1	218.8	218.8	214.1	214.1	218.8	214.1	214.1	218.8	218.8
60°	223.4	214.1	204.8	204.8	200.1	204.8	209.4	204.8	204.8	204.8	209.4
62.5°	204.8	200.1	190.8	190.8	190.8	190.8	195.5	190.8	195.5	195.5	195.5
65°	190.8	181.5	176.9	176.9	176.9	176.9	186.2	176.9	181.5	181.5	181.5
67.5°	176.9	167.6	162.9	162.9	162.9	162.9	172.2	162.9	167.6	172.2	167.6
70°	162.9	153.6	148.9	148.9	148.9	148.9	153.6	148.9	148.9	153.6	153.6
72.5°	144.3	139.6	135.0	135.0	130.3	135.0	139.6	135.0	135.0	135.0	135.0
75°	130.3	125.7	125.7	121.0	121.0	121.0	125.7	116.4	116.4	116.4	116.4
77.5°	121.0	111.7	111.7	111.7	107.1	111.7	107.1	97.7	97.7	97.7	97.7
80°	102.4	93.1	97.7	97.7	93.1	93.1	88.4	79.1	79.1	79.1	79.1
82.5°	83.8	74.5	79.1	79.1	79.1	79.1	69.8	65.2	60.5	55.9	55.9
85°	74.5	60.5	69.8	69.8	65.2	65.2	46.5	46.5	37.2	37.2	32.6
87.5°	14.0	9.3	18.6	23.3	23.3	27.9	18.6	23.3	14.0	9.3	9.3
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: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2
2.5°	2950.9	3002.1	3071.9	3123.1	3202.2	3262.7	3355.8	3434.9	3509.4	3542.0	3574.6
5°	2476.1	2508.7	2615.8	2699.6	2825.2	2960.2	3127.8	3309.3	3495.5	3579.2	3677.0
7.5°	1852.5	1913.0	1973.5	2094.5	2248.1	2466.8	2680.9	2950.9	3211.5	3337.2	3504.8
10°	1438.2	1484.8	1554.6	1680.2	1824.5	2006.0	2262.0	2583.2	2895.0	3057.9	3230.2
12.5°	1154.3	1219.5	1312.5	1442.9	1610.4	1796.6	1982.8	2280.7	2643.7	2829.9	3025.4
15°	935.5	986.7	1089.1	1252.0	1447.5	1638.3	1833.8	2080.5	2476.1	2690.2	2923.0
17.5°	744.7	781.9	875.0	1037.9	1233.4	1447.5	1670.9	1982.8	2420.3	2680.9	2955.5
20°	605.1	633.0	693.5	814.5	1000.7	1233.4	1512.7	1889.7	2452.9	2788.0	3123.1
22.5°	530.6	539.9	567.8	633.0	786.6	1033.3	1368.4	1810.6	2513.4	2946.2	3397.7
25°	479.4	488.7	498.0	539.9	628.3	861.1	1242.7	1764.0	2643.7	3179.0	3714.2
27.5°	446.8	456.1	460.8	479.4	539.9	735.4	1135.7	1736.1	2820.6	3518.7	4105.2
30°	418.9	418.9	432.9	460.8	502.7	647.0	1042.6	1670.9	3006.7	3802.6	4412.4
32.5°	395.6	400.3	418.9	432.9	460.8	572.5	949.5	1587.2	3174.3	4035.4	4714.9
35°	353.7	353.7	358.4	381.7	418.9	512.0	865.7	1503.4	3267.4	4263.4	4984.9
37.5°	325.8	330.5	339.8	358.4	391.0	470.1	795.9	1410.3	3365.1	4477.5	5301.4
40°	307.2	311.8	321.2	339.8	372.4	432.9	735.4	1335.8	3467.5	4710.3	5641.1
42.5°	293.2	297.9	307.2	325.8	353.7	423.6	670.2	1275.3	3528.0	4924.4	5962.3
45°	279.3	283.9	297.9	316.5	339.8	414.2	633.0	1233.4	3551.3	5068.6	6218.3
47.5°	265.3	270.0	283.9	311.8	339.8	400.3	619.0	1210.1	3569.9	5231.5	6423.1
50°	251.3	260.6	279.3	307.2	344.4	381.7	609.7	1205.5	3677.0	5441.0	6618.6
52.5°	242.0	256.0	274.6	307.2	339.8	353.7	605.1	1219.5	3891.1	5752.8	6897.8
55°	232.7	246.7	265.3	307.2	325.8	330.5	581.8	1242.7	4216.9	6185.7	7293.4
57.5°	223.4	232.7	256.0	297.9	307.2	311.8	535.3	1275.3	4542.7	6609.2	7698.4
60°	209.4	218.8	242.0	297.9	279.3	293.2	474.7	1284.6	4775.4	6744.2	7735.6
62.5°	195.5	204.8	228.1	307.2	256.0	274.6	423.6	1252.0	4822.0	6548.7	7526.2
65°	181.5	190.8	209.4	256.0	237.4	256.0	391.0	1163.6	4668.4	6101.9	7144.5
67.5°	167.6	176.9	190.8	209.4	214.1	232.7	377.0	1024.0	4282.0	5548.0	6623.2
70°	148.9	158.2	172.2	186.2	190.8	218.8	353.7	889.0	3658.4	4808.0	5985.6
72.5°	135.0	139.6	153.6	162.9	172.2	200.1	339.8	777.3	2797.3	3891.1	4882.5
75°	116.4	116.4	130.3	139.6	148.9	176.9	311.8	647.0	1973.5	2969.5	3588.5
77.5°	97.7	97.7	107.1	116.4	125.7	153.6	265.3	525.9	1368.4	2355.1	2601.8
80°	74.5	74.5	83.8	93.1	102.4	130.3	214.1	386.3	847.1	1722.1	1894.3
82.5°	51.2	51.2	65.2	69.8	74.5	102.4	162.9	265.3	498.0	1242.7	1354.4
85°	27.9	27.9	37.2	41.9	51.2	74.5	121.0	186.2	297.9	898.3	903.0
87.5°	4.7	4.7	14.0	14.0	23.3	37.2	69.8	102.4	167.6	498.0	316.5
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: P598619  
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2	3323.2
2.5°	3635.1	3686.3	3690.9	3690.9	3667.7	3672.3	3607.2	3537.3	3514.1	3509.4
5°	3825.9	3960.9	3998.1	4016.7	3956.2	3863.2	3695.6	3514.1	3421.0	3407.0
7.5°	3788.7	4058.6	4202.9	4221.5	4100.5	3881.8	3588.5	3309.3	3202.2	3174.3
10°	3569.9	3933.0	4193.6	4258.8	4128.5	3849.2	3467.5	3141.7	3011.4	2988.1
12.5°	3416.3	3765.4	4021.4	4109.8	4049.3	3807.3	3407.0	3034.7	2904.3	2871.8
15°	3332.6	3653.7	3821.3	3849.2	3844.5	3742.1	3407.0	3057.9	2913.7	2876.4
17.5°	3402.4	3621.1	3644.4	3579.2	3616.5	3667.7	3481.5	3183.6	3044.0	3011.4
20°	3542.0	3607.2	3495.5	3397.7	3416.3	3579.2	3597.9	3421.0	3309.3	3253.4
22.5°	3835.2	3658.4	3402.4	3267.4	3281.4	3509.4	3751.4	3742.1	3644.4	3616.5
25°	4133.1	3802.6	3374.4	3216.2	3234.8	3495.5	3933.0	4100.5	4049.3	4035.4
27.5°	4463.6	4044.7	3393.1	3192.9	3216.2	3514.1	4058.6	4403.1	4412.4	4398.4
30°	4687.0	4161.0	3448.9	3220.8	3253.4	3560.6	4086.6	4584.6	4668.4	4673.0
32.5°	4873.2	4277.4	3565.3	3267.4	3323.2	3644.4	4161.0	4756.8	4943.0	4947.6
35°	5022.1	4407.7	3709.6	3351.2	3434.9	3784.0	4258.8	4919.7	5199.0	5231.5
37.5°	5212.9	4552.0	3877.1	3532.7	3625.8	3984.2	4431.0	5110.5	5501.5	5589.9
40°	5417.7	4696.3	4119.1	3825.9	3960.9	4282.0	4626.5	5324.6	5757.5	5878.5
42.5°	5645.8	4849.9	4393.8	4221.5	4426.3	4659.1	4849.9	5520.1	5953.0	6092.6
45°	5869.2	5036.1	4794.0	4761.5	4989.5	5105.9	5068.6	5659.7	6139.2	6278.8
47.5°	6027.4	5306.0	5278.1	5473.6	5687.7	5627.2	5324.6	5762.1	6292.7	6446.3
50°	6171.7	5641.1	5887.8	6269.5	6399.8	6195.0	5599.2	5901.8	6455.7	6627.9
52.5°	6385.8	5999.5	6516.2	6990.9	7116.6	6790.8	5897.1	6129.8	6707.0	6860.6
55°	6823.3	6404.5	7172.4	7717.0	7740.3	7335.3	6297.4	6516.2	7060.7	7237.6
57.5°	7312.1	6902.5	7693.7	8317.4	8308.1	7879.9	6748.9	7037.5	7540.1	7661.1
60°	7754.2	7405.1	8261.6	8745.6	8722.3	8275.5	7274.8	7628.6	8089.3	8182.4
62.5°	8014.9	7861.3	8512.9	8880.6	8792.2	8405.8	7721.6	8154.5	8480.3	8512.9
65°	7973.0	8121.9	8219.7	8447.7	8322.1	8042.8	7940.4	8489.6	8522.2	8489.6
67.5°	7656.5	7973.0	7414.5	7437.7	7372.6	7135.2	7600.6	8401.2	8177.8	8098.7
70°	7177.1	7200.4	6199.7	5906.4	6008.8	5683.0	6520.8	7712.3	7367.9	7270.2
72.5°	6381.2	6092.6	4687.0	4389.1	4542.7	4310.0	5231.5	6721.0	6385.8	6069.3
75°	5352.6	4826.6	3569.9	3146.4	3225.5	3216.2	4054.0	5552.7	4947.6	4631.1
77.5°	4147.1	3760.8	2634.4	2471.5	2387.7	2406.3	2829.9	4128.5	3588.5	3192.9
80°	3030.0	2629.7	2038.6	2131.7	2085.2	1973.5	1982.8	2764.7	2494.8	2257.4
82.5°	2094.5	1871.1	1652.3	1866.4	1754.7	1582.5	1545.3	1992.1	1871.1	1726.8
85°	1405.6	1540.6	1312.5	1428.9	1238.1	1140.3	1452.2	1666.3	1345.1	1200.8
87.5°	916.9	1410.3	944.8	716.8	409.6	549.2	889.0	1093.8	628.3	339.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)