

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: P598726

Luminaire Tested: **IFLD-L-SA7D-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598726  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7D-740-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 4000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

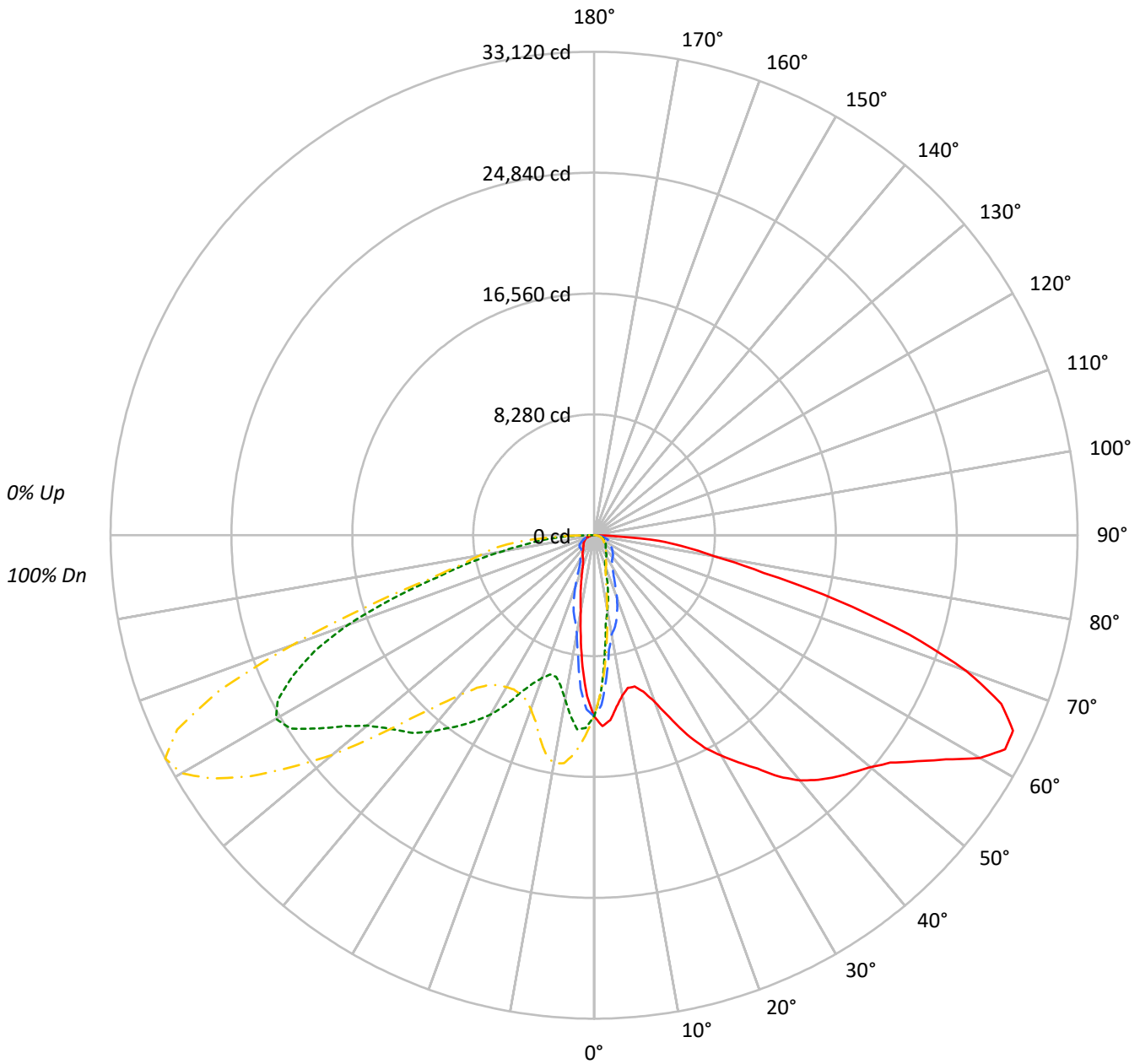
Lumens per Lamp: N/A  
 Luminaire Lumens: 41490.4 lumens  
 Efficiency: N/A  
 Efficacy: 98.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 422.6  
 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

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### Luminous Intensity Polar Plot



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

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**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°	66704	66704	66704	66704
5°	68647	44639	48765	72117
10°	60902	28364	28649	62325
15°	59772	20118	19053	55903
20°	69493	12726	12825	59551
25°	89371	10927	10617	70404
30°	108307	10356	9709	88134
35°	128190	9124	8782	104468
40°	154029	8659	8049	123418
45°	178229	8588	7795	143878
50°	206964	8720	7849	169902
55°	253274	8958	7981	216464
60°	328474	8968	8408	270738
65°	403208	9063	8621	289806
70°	426659	9559	9013	282163
75°	359153	10106	9025	230290
80°	260931	11836	9146	199059
85°	276552	17148	7503	206878

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	959.2	2.3
10°-20°	2007.4	4.8
20°-30°	2892.9	7.0
30°-40°	4164.7	10.0
40°-50°	5915.6	14.3
50°-60°	8505.0	20.5
60°-70°	9826.1	23.7
70°-80°	5563.7	13.4
80°-90°	1655.8	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°	5859.6	14.1
0°-40°	10024.3	24.2
0°-60°	24444.9	58.9
0°-90°	41490.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	41490.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	12394	12394	12394	12394	12394	
5°	12706	8263	9026	13349	12706	1153
15°	10728	3611	3420	10033	10728	3154
25°	15050	1840	1788	11856	15050	6985
35°	19511	1389	1337	15900	19511	12383
45°	23417	1128	1024	18903	23417	18132
55°	26992	955	851	23069	26992	24446
65°	31662	712	677	22757	31662	30361
75°	17272	486	434	11075	17272	18326
85°	4478	278	122	3350	4478	4460
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0
2.5°	13088.3	13070.9	12966.8	12637.0	12289.8	11960.0	11647.5	11317.7	11144.1	10935.8	10849.0
5°	12706.4	12671.7	12376.6	11647.5	11005.3	10310.9	9720.7	9252.1	8870.2	8488.3	8349.4
7.5°	11838.5	11786.4	11439.2	10432.4	9495.1	8592.4	7880.7	7273.2	6769.8	6544.1	6283.8
10°	11144.1	11057.3	10606.0	9495.1	8280.0	7377.4	6908.7	6492.1	6058.1	5693.6	5311.7
12.5°	10710.2	10606.0	10137.3	8835.5	7655.1	6978.1	6492.1	6023.4	5485.3	5034.0	4617.4
15°	10727.5	10606.0	10033.2	8661.9	7498.9	6630.9	5954.0	5311.7	4686.8	4183.4	3714.7
17.5°	11230.9	11074.7	10467.2	8904.9	7377.4	6179.6	5277.0	4443.8	3732.1	3194.0	2812.1
20°	12133.6	12029.4	11335.1	9269.4	7255.8	5693.6	4582.6	3575.8	2829.4	2412.8	2256.6
22.5°	13487.5	13366.0	12619.6	9824.9	7221.1	5259.6	3836.2	2812.1	2274.0	2100.4	2013.6
25°	15049.8	14824.1	14129.8	10762.3	7290.6	4860.4	3228.7	2326.0	2030.9	1909.4	1857.4
27.5°	16403.8	16264.9	15483.8	11647.5	7325.3	4547.9	2812.1	2117.7	1892.1	1787.9	1753.2
30°	17427.9	17375.8	16612.1	12619.6	7238.5	4166.0	2551.7	2030.9	1892.1	1787.9	1683.8
32.5°	18452.1	18469.4	17653.6	13366.0	7117.0	3836.2	2308.7	1805.3	1666.4	1597.0	1614.3
35°	19510.9	19597.7	18903.4	14095.1	6856.6	3714.7	2135.1	1683.8	1562.3	1458.1	1406.0
37.5°	20847.5	21073.2	20396.2	14910.9	6596.2	3610.6	2048.3	1597.0	1475.5	1388.7	1319.2
40°	21923.8	22340.4	21941.1	15674.7	6422.6	3489.1	1978.9	1510.2	1423.4	1319.2	1267.2
42.5°	22722.2	23208.3	23069.4	16264.9	6422.6	3367.5	1909.4	1458.1	1388.7	1267.2	1197.7
45°	23416.6	23920.0	23902.6	16872.4	6561.5	3298.1	1822.6	1458.1	1354.0	1232.5	1163.0
47.5°	24041.5	24544.9	24718.5	17636.2	6787.2	3263.4	1718.5	1423.4	1354.0	1215.1	1110.9
50°	24718.5	25273.9	25794.7	18851.3	7064.9	3176.6	1649.1	1371.3	1371.3	1197.7	1076.2
52.5°	25586.4	26211.3	27166.0	20361.5	7342.6	3020.4	1544.9	1336.6	1371.3	1180.4	1041.5
55°	26992.4	27513.2	28763.0	22166.8	7689.8	2829.4	1458.1	1249.8	1301.9	1128.3	989.4
57.5°	28572.0	29023.4	30064.9	23555.5	7794.0	2586.4	1336.6	1163.0	1249.8	1076.2	920.0
60°	30516.2	30741.9	30741.9	23954.7	7446.8	2360.8	1249.8	1093.6	1128.3	1024.2	867.9
62.5°	31748.7	31748.7	30741.9	23225.6	6787.2	2169.8	1180.4	1024.2	989.4	954.7	815.8
65°	31661.9	31523.0	30030.2	21107.9	6023.4	2048.3	1110.9	937.4	885.3	867.9	763.8
67.5°	30203.7	29960.7	27929.8	18122.2	5224.9	1996.2	1041.5	850.6	815.8	781.1	694.3
70°	27113.9	26489.0	23989.4	14581.1	4443.8	1961.5	1024.2	781.1	746.4	711.7	642.3
72.5°	22635.5	21837.0	18729.8	11213.6	3732.1	1840.0	972.1	694.3	677.0	642.3	572.8
75°	17271.7	15796.2	13070.9	8575.1	2898.9	1597.0	833.2	607.5	607.5	590.2	520.8
77.5°	11907.9	11144.1	9113.2	6335.8	2117.7	1232.5	677.0	538.1	538.1	555.5	486.0
80°	8418.9	7707.2	6492.1	4547.9	1336.6	833.2	520.8	451.3	503.4	538.1	451.3
82.5°	6440.0	5919.2	4825.7	3315.5	781.1	572.8	399.2	364.5	434.0	468.7	381.9
85°	4478.5	3853.6	2447.5	2221.9	451.3	347.2	295.1	295.1	381.9	468.7	347.2
87.5°	1267.2	538.1	156.2	659.6	190.9	138.9	104.2	69.4	104.2	104.2	69.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0
2.5°	10762.3	10658.1	10658.1	10623.4	10640.7	10658.1	10640.7	10762.3	10814.3	10883.8	11022.6
5°	8262.6	8401.5	8297.4	8401.5	8540.4	8748.7	8800.7	8957.0	8974.3	9095.8	9026.4
7.5°	6127.5	6110.2	6023.4	6144.9	6526.8	6821.9	6960.7	7047.5	7064.9	7064.9	6978.1
10°	5190.2	5034.0	4877.7	4790.9	4825.7	5138.1	5242.3	5294.3	5259.6	5311.7	5242.3
12.5°	4443.8	4304.9	4079.2	3923.0	3818.9	3905.7	4009.8	4061.9	4096.6	4183.4	4252.8
15°	3610.6	3471.7	3332.8	3246.0	3159.2	3089.8	3176.6	3228.7	3315.5	3384.9	3419.6
17.5°	2742.6	2673.2	2603.8	2655.8	2655.8	2621.1	2655.8	2673.2	2707.9	2760.0	2742.6
20°	2221.9	2204.5	2187.2	2274.0	2343.4	2343.4	2378.1	2326.0	2308.7	2256.6	2239.2
22.5°	1978.9	1978.9	1996.2	2065.7	2135.1	2169.8	2169.8	2083.0	1996.2	1961.5	1978.9
25°	1840.0	1840.0	1892.1	1909.4	1944.1	1944.1	1961.5	1874.7	1822.6	1770.6	1787.9
27.5°	1735.8	1735.8	1753.2	1753.2	1770.6	1770.6	1787.9	1753.2	1683.8	1666.4	1666.4
30°	1666.4	1666.4	1649.1	1649.1	1649.1	1649.1	1666.4	1614.3	1579.6	1562.3	1562.3
32.5°	1597.0	1579.6	1562.3	1562.3	1544.9	1544.9	1562.3	1510.2	1492.8	1492.8	1492.8
35°	1388.7	1371.3	1388.7	1423.4	1423.4	1440.8	1440.8	1423.4	1388.7	1354.0	1336.6
37.5°	1301.9	1284.5	1284.5	1284.5	1319.2	1336.6	1354.0	1319.2	1267.2	1215.1	1215.1
40°	1232.5	1232.5	1215.1	1215.1	1215.1	1249.8	1284.5	1232.5	1163.0	1145.7	1145.7
42.5°	1180.4	1163.0	1145.7	1128.3	1110.9	1163.0	1197.7	1128.3	1093.6	1093.6	1093.6
45°	1128.3	1110.9	1093.6	1076.2	1058.9	1076.2	1110.9	1041.5	1024.2	1024.2	1024.2
47.5°	1076.2	1058.9	1024.2	1006.8	989.4	989.4	1024.2	972.1	954.7	972.1	972.1
50°	1041.5	1006.8	972.1	954.7	937.4	937.4	937.4	920.0	920.0	920.0	937.4
52.5°	1006.8	972.1	920.0	902.6	885.3	885.3	885.3	885.3	867.9	885.3	902.6
55°	954.7	920.0	885.3	867.9	850.6	833.2	850.6	833.2	833.2	850.6	850.6
57.5°	885.3	850.6	815.8	815.8	798.5	798.5	815.8	798.5	798.5	815.8	815.8
60°	833.2	798.5	763.8	763.8	746.4	763.8	781.1	763.8	763.8	763.8	781.1
62.5°	763.8	746.4	711.7	711.7	711.7	711.7	729.1	711.7	729.1	729.1	729.1
65°	711.7	677.0	659.6	659.6	659.6	659.6	694.3	659.6	677.0	677.0	677.0
67.5°	659.6	624.9	607.5	607.5	607.5	607.5	642.3	607.5	624.9	642.3	624.9
70°	607.5	572.8	555.5	555.5	555.5	555.5	572.8	555.5	555.5	572.8	572.8
72.5°	538.1	520.8	503.4	503.4	486.0	503.4	520.8	503.4	503.4	503.4	503.4
75°	486.0	468.7	468.7	451.3	451.3	451.3	468.7	434.0	434.0	434.0	434.0
77.5°	451.3	416.6	416.6	416.6	399.2	416.6	399.2	364.5	364.5	364.5	364.5
80°	381.9	347.2	364.5	364.5	347.2	347.2	329.8	295.1	295.1	295.1	295.1
82.5°	312.5	277.7	295.1	295.1	295.1	295.1	260.4	243.0	225.7	208.3	208.3
85°	277.7	225.7	260.4	260.4	243.0	243.0	173.6	173.6	138.9	138.9	121.5
87.5°	52.1	34.7	69.4	86.8	86.8	104.2	69.4	86.8	52.1	34.7	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0
2.5°	11005.3	11196.2	11456.6	11647.5	11942.6	12168.3	12515.5	12810.6	13088.3	13209.8	13331.3
5°	9234.7	9356.2	9755.5	10067.9	10536.6	11040.0	11664.9	12341.9	13036.2	13348.7	13713.2
7.5°	6908.7	7134.3	7360.0	7811.3	8384.1	9200.0	9998.5	11005.3	11977.3	12446.0	13070.9
10°	5363.8	5537.4	5797.7	6266.4	6804.5	7481.5	8436.2	9634.0	10797.0	11404.5	12046.8
12.5°	4304.9	4547.9	4895.1	5381.1	6006.0	6700.4	7394.7	8505.7	9859.6	10554.0	11283.0
15°	3489.1	3680.0	4061.9	4669.4	5398.5	6110.2	6839.2	7759.2	9234.7	10033.2	10901.1
17.5°	2777.4	2916.2	3263.4	3870.9	4600.0	5398.5	6231.7	7394.7	9026.4	9998.5	11022.6
20°	2256.6	2360.8	2586.4	3037.7	3732.1	4600.0	5641.5	7047.5	9147.9	10397.7	11647.5
22.5°	1978.9	2013.6	2117.7	2360.8	2933.6	3853.6	5103.4	6752.4	9373.6	10987.9	12671.7
25°	1787.9	1822.6	1857.4	2013.6	2343.4	3211.3	4634.7	6578.9	9859.6	11855.8	13852.1
27.5°	1666.4	1701.1	1718.5	1787.9	2013.6	2742.6	4235.5	6474.7	10519.2	13123.0	15310.2
30°	1562.3	1562.3	1614.3	1718.5	1874.7	2412.8	3888.3	6231.7	11213.6	14181.9	16455.8
32.5°	1475.5	1492.8	1562.3	1614.3	1718.5	2135.1	3541.1	5919.2	11838.5	15049.8	17584.1
35°	1319.2	1319.2	1336.6	1423.4	1562.3	1909.4	3228.7	5606.8	12185.6	15900.4	18590.9
37.5°	1215.1	1232.5	1267.2	1336.6	1458.1	1753.2	2968.3	5259.6	12550.2	16698.9	19771.3
40°	1145.7	1163.0	1197.7	1267.2	1388.7	1614.3	2742.6	4981.9	12932.1	17566.8	21038.5
42.5°	1093.6	1110.9	1145.7	1215.1	1319.2	1579.6	2499.6	4756.2	13157.7	18365.3	22236.2
45°	1041.5	1058.9	1110.9	1180.4	1267.2	1544.9	2360.8	4600.0	13244.5	18903.4	23190.9
47.5°	989.4	1006.8	1058.9	1163.0	1267.2	1492.8	2308.7	4513.2	13314.0	19510.9	23954.7
50°	937.4	972.1	1041.5	1145.7	1284.5	1423.4	2274.0	4495.8	13713.2	20292.1	24683.8
52.5°	902.6	954.7	1024.2	1145.7	1267.2	1319.2	2256.6	4547.9	14511.7	21455.1	25725.3
55°	867.9	920.0	989.4	1145.7	1215.1	1232.5	2169.8	4634.7	15726.8	23069.4	27200.7
57.5°	833.2	867.9	954.7	1110.9	1145.7	1163.0	1996.2	4756.2	16941.9	24649.0	28710.9
60°	781.1	815.8	902.6	1110.9	1041.5	1093.6	1770.6	4790.9	17809.8	25152.4	28849.8
62.5°	729.1	763.8	850.6	1145.7	954.7	1024.2	1579.6	4669.4	17983.4	24423.4	28068.7
65°	677.0	711.7	781.1	954.7	885.3	954.7	1458.1	4339.6	17410.6	22757.0	26645.3
67.5°	624.9	659.6	711.7	781.1	798.5	867.9	1406.0	3818.9	15969.8	20691.3	24701.1
70°	555.5	590.2	642.3	694.3	711.7	815.8	1319.2	3315.5	13643.8	17931.3	22323.0
72.5°	503.4	520.8	572.8	607.5	642.3	746.4	1267.2	2898.9	10432.4	14511.7	18209.0
75°	434.0	434.0	486.0	520.8	555.5	659.6	1163.0	2412.8	7360.0	11074.7	13383.4
77.5°	364.5	364.5	399.2	434.0	468.7	572.8	989.4	1961.5	5103.4	8783.4	9703.4
80°	277.7	277.7	312.5	347.2	381.9	486.0	798.5	1440.8	3159.2	6422.6	7064.9
82.5°	190.9	190.9	243.0	260.4	277.7	381.9	607.5	989.4	1857.4	4634.7	5051.3
85°	104.2	104.2	138.9	156.2	190.9	277.7	451.3	694.3	1110.9	3350.2	3367.5
87.5°	17.4	17.4	52.1	52.1	86.8	138.9	260.4	381.9	624.9	1857.4	1180.4
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: P598726  
 CATALOG NUMBER: IFLD-L-SA7D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0	12394.0
2.5°	13557.0	13747.9	13765.3	13765.3	13678.5	13695.8	13452.8	13192.4	13105.6	13088.3
5°	14268.7	14772.1	14910.9	14980.4	14754.7	14407.5	13782.6	13105.6	12758.5	12706.4
7.5°	14129.8	15136.6	15674.7	15744.1	15292.8	14477.0	13383.4	12341.9	11942.6	11838.5
10°	13314.0	14667.9	15640.0	15883.0	15397.0	14355.5	12932.1	11717.0	11230.9	11144.1
12.5°	12741.1	14043.0	14997.7	15327.5	15101.9	14199.2	12706.4	11317.7	10831.7	10710.2
15°	12428.7	13626.4	14251.3	14355.5	14338.1	13956.2	12706.4	11404.5	10866.4	10727.5
17.5°	12689.0	13504.9	13591.7	13348.7	13487.5	13678.5	12984.1	11873.2	11352.4	11230.9
20°	13209.8	13452.8	13036.2	12671.7	12741.1	13348.7	13418.1	12758.5	12341.9	12133.6
22.5°	14303.4	13643.8	12689.0	12185.6	12237.7	13088.3	13990.9	13956.2	13591.7	13487.5
25°	15414.3	14181.9	12584.9	11994.7	12064.1	13036.2	14667.9	15292.8	15101.9	15049.8
27.5°	16646.8	15084.5	12654.3	11907.9	11994.7	13105.6	15136.6	16421.1	16455.8	16403.8
30°	17480.0	15518.5	12862.6	12012.1	12133.6	13279.2	15240.7	17098.1	17410.6	17427.9
32.5°	18174.3	15952.4	13296.6	12185.6	12394.0	13591.7	15518.5	17740.4	18434.7	18452.1
35°	18729.8	16438.5	13834.7	12498.1	12810.6	14112.4	15883.0	18347.9	19389.4	19510.9
37.5°	19441.5	16976.6	14459.6	13175.1	13522.3	14858.9	16525.3	19059.6	20517.7	20847.5
40°	20205.3	17514.7	15362.3	14268.7	14772.1	15969.8	17254.3	19858.1	21472.4	21923.8
42.5°	21055.8	18087.5	16386.4	15744.1	16507.9	17375.8	18087.5	20587.2	22201.5	22722.2
45°	21889.0	18781.9	17879.2	17757.7	18608.3	19042.2	18903.4	21107.9	22895.8	23416.6
47.5°	22479.2	19788.7	19684.5	20413.6	21212.1	20986.4	19858.1	21489.8	23468.7	24041.5
50°	23017.3	21038.5	21958.5	23381.9	23867.9	23104.1	20882.2	22010.5	24076.2	24718.5
52.5°	23815.8	22375.1	24301.9	26072.4	26541.1	25326.0	21993.2	22861.1	25013.6	25586.4
55°	25447.5	23885.3	26749.4	28780.4	28867.1	27357.0	23486.0	24301.9	26332.8	26992.4
57.5°	27270.2	25742.6	28693.6	31019.6	30984.9	29387.9	25169.8	26246.0	28120.7	28572.0
60°	28919.2	27617.3	30811.3	32616.6	32529.8	30863.4	27131.3	28450.5	30169.0	30516.2
62.5°	29891.3	29318.5	31748.7	33120.0	32790.2	31349.4	28797.7	30412.0	31627.1	31748.7
65°	29735.1	30290.5	30655.1	31505.6	31037.0	29995.4	29613.6	31661.9	31783.4	31661.9
67.5°	28554.7	29735.1	27652.1	27738.8	27495.8	26610.5	28346.4	31332.0	30498.8	30203.7
70°	26766.8	26853.6	23121.5	22027.9	22409.8	21194.7	24319.2	28763.0	27478.5	27113.9
72.5°	23798.5	22722.2	17480.0	16369.0	16941.9	16073.9	19510.9	25065.6	23815.8	22635.5
75°	19962.2	18000.7	13314.0	11734.3	12029.4	11994.7	15119.2	20708.7	18452.1	17271.7
77.5°	15466.4	14025.6	9824.9	9217.4	8904.9	8974.3	10554.0	15397.0	13383.4	11907.9
80°	11300.4	9807.5	7603.0	7950.2	7776.6	7360.0	7394.7	10310.9	9304.1	8418.9
82.5°	7811.3	6978.1	6162.3	6960.7	6544.1	5901.9	5763.0	7429.4	6978.1	6440.0
85°	5242.3	5745.7	4895.1	5329.1	4617.4	4252.8	5415.8	6214.3	5016.6	4478.5
87.5°	3419.6	5259.6	3523.8	2673.2	1527.5	2048.3	3315.5	4079.2	2343.4	1267.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)