

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: P598754

Luminaire Tested: **IFLD-L-SA7C-750-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598754  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-750-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 5000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

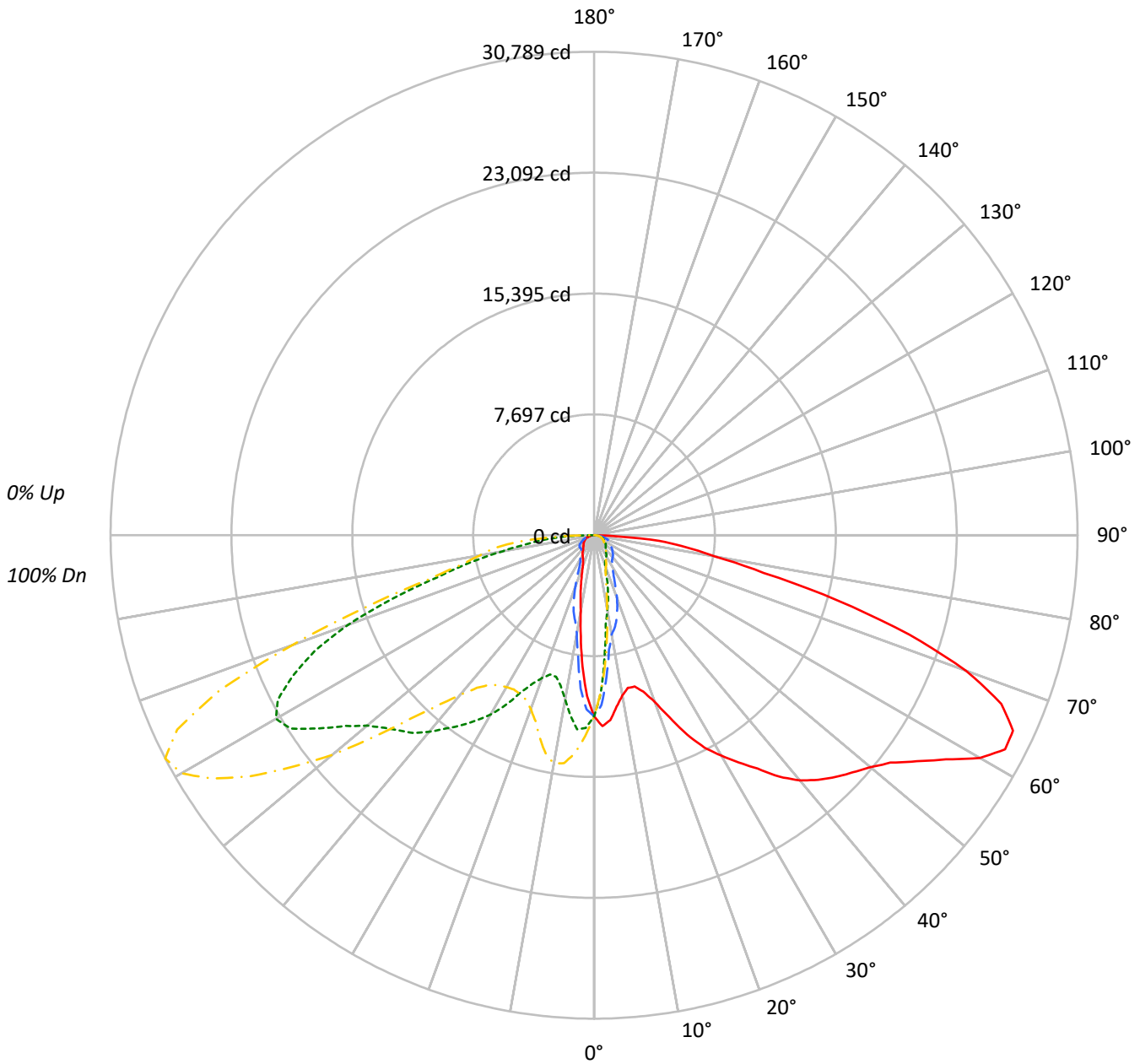
Lumens per Lamp: N/A  
 Luminaire Lumens: 38570.4 lumens  
 Efficiency: N/A  
 Efficacy: 104.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 369  
 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	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													
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77													
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59													
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46													
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36													
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30													
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25													
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21													
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18													
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16													
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14													

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

	0°	90°	180°	270°
0°	62009	62009	62009	62009
5°	63815	41497	45333	67041
10°	56616	26368	26633	57939
15°	55565	18702	17712	51969
20°	64602	11830	11922	55360
25°	83081	10158	9870	65449
30°	100684	9627	9025	81931
35°	119168	8481	8163	97115
40°	143188	8049	7482	114732
45°	165685	7983	7247	133752
50°	192398	8107	7296	157944
55°	235449	8328	7419	201229
60°	305356	8338	7817	251684
65°	374830	8425	8014	269408
70°	396632	8888	8379	262305
75°	333875	9395	8388	214083
80°	242564	11003	8502	185050
85°	257088	15944	6978	192317

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	891.7	2.3
10°-20°	1866.2	4.8
20°-30°	2689.3	7.0
30°-40°	3871.6	10.0
40°-50°	5499.3	14.3
50°-60°	7906.4	20.5
60°-70°	9134.5	23.7
70°-80°	5172.1	13.4
80°-90°	1539.3	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°	5447.2	14.1
0°-40°	9318.7	24.2
0°-60°	22724.5	58.9
0°-90°	38570.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38570.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11522	11522	11522	11522	11522	
5°	11812	7681	8391	12409	11812	1072
15°	9972	3356	3179	9327	9972	2932
25°	13991	1710	1662	11021	13991	6494
35°	18138	1291	1242	14781	18138	11511
45°	21768	1049	952	17573	21768	16856
55°	25093	888	791	21446	25093	22725
65°	29434	662	629	21155	29434	28225
75°	16056	452	403	10295	16056	17036
85°	4163	258	113	3114	4163	4146
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°	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7
2.5°	12167.1	12151.0	12054.2	11747.6	11424.9	11118.3	10827.8	10521.2	10359.8	10166.2	10085.5
5°	11812.1	11779.9	11505.5	10827.8	10230.7	9585.3	9036.6	8600.9	8245.9	7890.9	7761.8
7.5°	11005.3	10956.9	10634.1	9698.2	8826.8	7987.7	7326.1	6761.3	6293.4	6083.6	5841.5
10°	10359.8	10279.1	9859.6	8826.8	7697.3	6858.1	6422.4	6035.2	5631.7	5292.9	4937.9
12.5°	9956.4	9859.6	9423.9	8213.6	7116.3	6487.0	6035.2	5599.5	5099.2	4679.7	4292.4
15°	9972.5	9859.6	9327.1	8052.3	6971.1	6164.3	5534.9	4937.9	4356.9	3889.0	3453.3
17.5°	10440.5	10295.3	9730.5	8278.2	6858.1	5744.7	4905.6	4131.0	3469.4	2969.2	2614.2
20°	11279.6	11182.8	10537.3	8617.0	6745.2	5292.9	4260.1	3324.2	2630.3	2243.0	2097.8
22.5°	12538.3	12425.3	11731.5	9133.4	6712.9	4889.4	3566.2	2614.2	2113.9	1952.6	1871.9
25°	13990.6	13780.8	13135.4	10004.8	6777.5	4518.3	3001.4	2162.3	1888.0	1775.0	1726.6
27.5°	15249.3	15120.2	14394.0	10827.8	6809.7	4227.8	2614.2	1968.7	1758.9	1662.1	1629.8
30°	16201.3	16152.9	15442.9	11731.5	6729.0	3872.8	2372.1	1888.0	1758.9	1662.1	1565.3
32.5°	17153.4	17169.6	16411.1	12425.3	6616.1	3566.2	2146.2	1678.2	1549.1	1484.6	1500.7
35°	18137.8	18218.4	17573.0	13103.1	6374.0	3453.3	1984.8	1565.3	1452.3	1355.5	1307.1
37.5°	19380.3	19590.1	18960.7	13861.5	6132.0	3356.5	1904.1	1484.6	1371.6	1290.9	1226.4
40°	20380.8	20768.1	20396.9	14571.5	5970.6	3243.5	1839.6	1403.9	1323.2	1226.4	1178.0
42.5°	21123.1	21574.9	21445.8	15120.2	5970.6	3130.5	1775.0	1355.5	1290.9	1178.0	1113.4
45°	21768.5	22236.5	22220.4	15685.0	6099.7	3066.0	1694.4	1355.5	1258.7	1145.7	1081.2
47.5°	22349.5	22817.4	22978.8	16395.0	6309.5	3033.7	1597.5	1323.2	1258.7	1129.6	1032.8
50°	22978.8	23495.2	23979.3	17524.6	6567.7	2953.0	1533.0	1274.8	1274.8	1113.4	1000.5
52.5°	23785.6	24366.6	25254.1	18928.5	6825.9	2807.8	1436.2	1242.5	1274.8	1097.3	968.2
55°	25092.7	25576.8	26738.7	20606.7	7148.6	2630.3	1355.5	1161.8	1210.3	1048.9	919.8
57.5°	26561.2	26980.7	27948.9	21897.6	7245.4	2404.4	1242.5	1081.2	1161.8	1000.5	855.3
60°	28368.5	28578.3	28578.3	22268.8	6922.7	2194.6	1161.8	1016.6	1048.9	952.1	806.8
62.5°	29514.2	29514.2	28578.3	21591.0	6309.5	2017.1	1097.3	952.1	919.8	887.5	758.4
65°	29433.5	29304.4	27916.7	19622.3	5599.5	1904.1	1032.8	871.4	823.0	806.8	710.0
67.5°	28078.0	27852.1	25964.1	16846.8	4857.2	1855.7	968.2	790.7	758.4	726.2	645.5
70°	25205.7	24624.8	22301.1	13554.9	4131.0	1823.5	952.1	726.2	693.9	661.6	597.1
72.5°	21042.4	20300.1	17411.6	10424.4	3469.4	1710.5	903.7	645.5	629.3	597.1	532.5
75°	16056.1	14684.5	12151.0	7971.6	2694.8	1484.6	774.6	564.8	564.8	548.7	484.1
77.5°	11069.8	10359.8	8471.8	5889.9	1968.7	1145.7	629.3	500.2	500.2	516.4	451.8
80°	7826.3	7164.7	6035.2	4227.8	1242.5	774.6	484.1	419.6	468.0	500.2	419.6
82.5°	5986.8	5502.6	4486.0	3082.1	726.2	532.5	371.1	338.9	403.4	435.7	355.0
85°	4163.3	3582.4	2275.3	2065.5	419.6	322.7	274.3	274.3	355.0	435.7	322.7
87.5°	1178.0	500.2	145.2	613.2	177.5	129.1	96.8	64.5	96.8	96.8	64.5
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°	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7
2.5°	10004.8	9908.0	9908.0	9875.7	9891.9	9908.0	9891.9	10004.8	10053.2	10117.8	10246.9
5°	7681.1	7810.2	7713.4	7810.2	7939.3	8132.9	8181.4	8326.6	8342.7	8455.7	8391.1
7.5°	5696.3	5680.2	5599.5	5712.4	6067.4	6341.8	6470.9	6551.5	6567.7	6567.7	6487.0
10°	4824.9	4679.7	4534.4	4453.8	4486.0	4776.5	4873.3	4921.7	4889.4	4937.9	4873.3
12.5°	4131.0	4001.9	3792.1	3646.9	3550.1	3630.8	3727.6	3776.0	3808.3	3889.0	3953.5
15°	3356.5	3227.4	3098.3	3017.6	2936.9	2872.3	2953.0	3001.4	3082.1	3146.7	3178.9
17.5°	2549.6	2485.1	2420.5	2468.9	2468.9	2436.7	2468.9	2485.1	2517.3	2565.8	2549.6
20°	2065.5	2049.4	2033.2	2113.9	2178.5	2178.5	2210.7	2162.3	2146.2	2097.8	2081.6
22.5°	1839.6	1839.6	1855.7	1920.3	1984.8	2017.1	2017.1	1936.4	1855.7	1823.5	1839.6
25°	1710.5	1710.5	1758.9	1775.0	1807.3	1807.3	1823.5	1742.8	1694.4	1646.0	1662.1
27.5°	1613.7	1613.7	1629.8	1629.8	1646.0	1646.0	1662.1	1629.8	1565.3	1549.1	1549.1
30°	1549.1	1549.1	1533.0	1533.0	1533.0	1533.0	1549.1	1500.7	1468.4	1452.3	1452.3
32.5°	1484.6	1468.4	1452.3	1452.3	1436.2	1436.2	1452.3	1403.9	1387.8	1387.8	1387.8
35°	1290.9	1274.8	1290.9	1323.2	1323.2	1339.4	1339.4	1323.2	1290.9	1258.7	1242.5
37.5°	1210.3	1194.1	1194.1	1194.1	1226.4	1242.5	1258.7	1226.4	1178.0	1129.6	1129.6
40°	1145.7	1145.7	1129.6	1129.6	1129.6	1161.8	1194.1	1145.7	1081.2	1065.0	1065.0
42.5°	1097.3	1081.2	1065.0	1048.9	1032.8	1081.2	1113.4	1048.9	1016.6	1016.6	1016.6
45°	1048.9	1032.8	1016.6	1000.5	984.3	1000.5	1032.8	968.2	952.1	952.1	952.1
47.5°	1000.5	984.3	952.1	935.9	919.8	919.8	952.1	903.7	887.5	903.7	903.7
50°	968.2	935.9	903.7	887.5	871.4	871.4	871.4	855.3	855.3	855.3	871.4
52.5°	935.9	903.7	855.3	839.1	823.0	823.0	823.0	823.0	806.8	823.0	839.1
55°	887.5	855.3	823.0	806.8	790.7	774.6	790.7	774.6	774.6	790.7	790.7
57.5°	823.0	790.7	758.4	758.4	742.3	742.3	758.4	742.3	742.3	758.4	758.4
60°	774.6	742.3	710.0	710.0	693.9	710.0	726.2	710.0	710.0	710.0	726.2
62.5°	710.0	693.9	661.6	661.6	661.6	661.6	677.7	661.6	677.7	677.7	677.7
65°	661.6	629.3	613.2	613.2	613.2	613.2	645.5	613.2	629.3	629.3	629.3
67.5°	613.2	580.9	564.8	564.8	564.8	564.8	597.1	564.8	580.9	597.1	580.9
70°	564.8	532.5	516.4	516.4	516.4	516.4	532.5	516.4	516.4	532.5	532.5
72.5°	500.2	484.1	468.0	468.0	451.8	468.0	484.1	468.0	468.0	468.0	468.0
75°	451.8	435.7	435.7	419.6	419.6	419.6	435.7	403.4	403.4	403.4	403.4
77.5°	419.6	387.3	387.3	387.3	371.1	387.3	371.1	338.9	338.9	338.9	338.9
80°	355.0	322.7	338.9	338.9	322.7	322.7	306.6	274.3	274.3	274.3	274.3
82.5°	290.5	258.2	274.3	274.3	274.3	274.3	242.1	225.9	209.8	193.6	193.6
85°	258.2	209.8	242.1	242.1	225.9	225.9	161.4	161.4	129.1	129.1	113.0
87.5°	48.4	32.3	64.5	80.7	80.7	96.8	64.5	80.7	48.4	32.3	32.3
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°	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7
2.5°	10230.7	10408.2	10650.3	10827.8	11102.1	11311.9	11634.6	11909.0	12167.1	12280.1	12393.1
5°	8584.8	8697.7	9068.9	9359.3	9795.0	10263.0	10843.9	11473.3	12118.7	12409.2	12748.1
7.5°	6422.4	6632.2	6842.0	7261.6	7794.1	8552.5	9294.8	10230.7	11134.4	11570.1	12151.0
10°	4986.3	5147.6	5389.7	5825.4	6325.6	6955.0	7842.5	8955.9	10037.1	10601.9	11198.9
12.5°	4001.9	4227.8	4550.6	5002.4	5583.3	6228.8	6874.3	7907.0	9165.7	9811.2	10488.9
15°	3243.5	3421.0	3776.0	4340.8	5018.5	5680.2	6357.9	7213.1	8584.8	9327.1	10133.9
17.5°	2581.9	2711.0	3033.7	3598.5	4276.3	5018.5	5793.1	6874.3	8391.1	9294.8	10246.9
20°	2097.8	2194.6	2404.4	2823.9	3469.4	4276.3	5244.5	6551.5	8504.1	9665.9	10827.8
22.5°	1839.6	1871.9	1968.7	2194.6	2727.1	3582.4	4744.2	6277.2	8713.9	10214.6	11779.9
25°	1662.1	1694.4	1726.6	1871.9	2178.5	2985.3	4308.5	6115.8	9165.7	11021.4	12877.2
27.5°	1549.1	1581.4	1597.5	1662.1	1871.9	2549.6	3937.4	6019.0	9778.9	12199.4	14232.7
30°	1452.3	1452.3	1500.7	1597.5	1742.8	2243.0	3614.6	5793.1	10424.4	13183.8	15297.7
32.5°	1371.6	1387.8	1452.3	1500.7	1597.5	1984.8	3291.9	5502.6	11005.3	13990.6	16346.6
35°	1226.4	1226.4	1242.5	1323.2	1452.3	1775.0	3001.4	5212.2	11328.0	14781.3	17282.5
37.5°	1129.6	1145.7	1178.0	1242.5	1355.5	1629.8	2759.4	4889.4	11666.9	15523.6	18379.8
40°	1065.0	1081.2	1113.4	1178.0	1290.9	1500.7	2549.6	4631.3	12021.9	16330.4	19557.8
42.5°	1016.6	1032.8	1065.0	1129.6	1226.4	1468.4	2323.7	4421.5	12231.7	17072.7	20671.2
45°	968.2	984.3	1032.8	1097.3	1178.0	1436.2	2194.6	4276.3	12312.4	17573.0	21558.8
47.5°	919.8	935.9	984.3	1081.2	1178.0	1387.8	2146.2	4195.6	12376.9	18137.8	22268.8
50°	871.4	903.7	968.2	1065.0	1194.1	1323.2	2113.9	4179.4	12748.1	18863.9	22946.5
52.5°	839.1	887.5	952.1	1065.0	1178.0	1226.4	2097.8	4227.8	13490.4	19945.1	23914.7
55°	806.8	855.3	919.8	1065.0	1129.6	1145.7	2017.1	4308.5	14619.9	21445.8	25286.4
57.5°	774.6	806.8	887.5	1032.8	1065.0	1081.2	1855.7	4421.5	15749.5	22914.3	26690.3
60°	726.2	758.4	839.1	1032.8	968.2	1016.6	1646.0	4453.8	16556.4	23382.2	26819.4
62.5°	677.7	710.0	790.7	1065.0	887.5	952.1	1468.4	4340.8	16717.7	22704.5	26093.2
65°	629.3	661.6	726.2	887.5	823.0	887.5	1355.5	4034.2	16185.2	21155.3	24770.0
67.5°	580.9	613.2	661.6	726.2	742.3	806.8	1307.1	3550.1	14845.9	19235.1	22962.7
70°	516.4	548.7	597.1	645.5	661.6	758.4	1226.4	3082.1	12683.5	16669.3	20751.9
72.5°	468.0	484.1	532.5	564.8	597.1	693.9	1178.0	2694.8	9698.2	13490.4	16927.5
75°	403.4	403.4	451.8	484.1	516.4	613.2	1081.2	2243.0	6842.0	10295.3	12441.5
77.5°	338.9	338.9	371.1	403.4	435.7	532.5	919.8	1823.5	4744.2	8165.2	9020.5
80°	258.2	258.2	290.5	322.7	355.0	451.8	742.3	1339.4	2936.9	5970.6	6567.7
82.5°	177.5	177.5	225.9	242.1	258.2	355.0	564.8	919.8	1726.6	4308.5	4695.8
85°	96.8	96.8	129.1	145.2	177.5	258.2	419.6	645.5	1032.8	3114.4	3130.5
87.5°	16.1	16.1	48.4	48.4	80.7	129.1	242.1	355.0	580.9	1726.6	1097.3
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: P598754  
 CATALOG NUMBER: IFLD-L-SA7C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7	11521.7
2.5°	12602.8	12780.3	12796.5	12796.5	12715.8	12731.9	12506.0	12264.0	12183.3	12167.1
5°	13264.4	13732.4	13861.5	13926.1	13716.3	13393.5	12812.6	12183.3	11860.5	11812.1
7.5°	13135.4	14071.3	14571.5	14636.1	14216.5	13458.1	12441.5	11473.3	11102.1	11005.3
10°	12376.9	13635.6	14539.3	14765.2	14313.3	13345.1	12021.9	10892.3	10440.5	10359.8
12.5°	11844.4	13054.7	13942.2	14248.8	14039.0	13199.9	11812.1	10521.2	10069.4	9956.4
15°	11553.9	12667.4	13248.3	13345.1	13329.0	12974.0	11812.1	10601.9	10101.6	9972.5
17.5°	11796.0	12554.4	12635.1	12409.2	12538.3	12715.8	12070.3	11037.6	10553.5	10440.5
20°	12280.1	12506.0	12118.7	11779.9	11844.4	12409.2	12473.7	11860.5	11473.3	11279.6
22.5°	13296.7	12683.5	11796.0	11328.0	11376.4	12167.1	13006.3	12974.0	12635.1	12538.3
25°	14329.5	13183.8	11699.2	11150.5	11215.1	12118.7	13635.6	14216.5	14039.0	13990.6
27.5°	15475.2	14022.9	11763.7	11069.8	11150.5	12183.3	14071.3	15265.4	15297.7	15249.3
30°	16249.8	14426.3	11957.4	11166.7	11279.6	12344.6	14168.1	15894.7	16185.2	16201.3
32.5°	16895.2	14829.7	12360.8	11328.0	11521.7	12635.1	14426.3	16491.8	17137.3	17153.4
35°	17411.6	15281.5	12861.0	11618.5	11909.0	13119.2	14765.2	17056.6	18024.8	18137.8
37.5°	18073.2	15781.8	13442.0	12247.8	12570.6	13813.1	15362.2	17718.2	19073.7	19380.3
40°	18783.2	16282.0	14281.1	13264.4	13732.4	14845.9	16040.0	18460.5	19961.2	20380.8
42.5°	19573.9	16814.5	15233.1	14636.1	15346.1	16152.9	16814.5	19138.2	20639.0	21123.1
45°	20348.5	17460.0	16620.9	16507.9	17298.6	17702.1	17573.0	19622.3	21284.4	21768.5
47.5°	20897.2	18395.9	18299.1	18976.9	19719.2	19509.4	18460.5	19977.4	21816.9	22349.5
50°	21397.4	19557.8	20413.0	21736.3	22188.1	21478.1	19412.6	20461.5	22381.7	22978.8
52.5°	22139.7	20800.3	22591.5	24237.5	24673.2	23543.6	20445.3	21252.2	23253.1	23785.6
55°	23656.5	22204.2	24866.8	26754.8	26835.5	25431.6	21833.1	22591.5	24479.5	25092.7
57.5°	25350.9	23930.9	26674.1	28836.5	28804.2	27319.6	23398.4	24398.8	26141.6	26561.2
60°	26883.9	25673.6	28642.8	30321.0	30240.4	28691.2	25221.8	26448.2	28045.8	28368.5
62.5°	27787.6	27255.0	29514.2	30789.0	30482.4	29143.1	26770.9	28271.7	29401.2	29514.2
65°	27642.3	28158.7	28497.6	29288.3	28852.6	27884.4	27529.4	29433.5	29546.5	29433.5
67.5°	26545.0	27642.3	25705.9	25786.6	25560.7	24737.7	26351.4	29126.9	28352.4	28078.0
70°	24882.9	24963.6	21494.2	20477.6	20832.6	19703.0	22607.7	26738.7	25544.5	25205.7
72.5°	22123.5	21123.1	16249.8	15217.0	15749.5	14942.7	18137.8	23301.5	22139.7	21042.4
75°	18557.3	16733.9	12376.9	10908.5	11182.8	11150.5	14055.1	19251.2	17153.4	16056.1
77.5°	14377.9	13038.5	9133.4	8568.6	8278.2	8342.7	9811.2	14313.3	12441.5	11069.8
80°	10505.1	9117.3	7067.9	7390.7	7229.3	6842.0	6874.3	9585.3	8649.3	7826.3
82.5°	7261.6	6487.0	5728.6	6470.9	6083.6	5486.5	5357.4	6906.5	6487.0	5986.8
85°	4873.3	5341.3	4550.6	4954.0	4292.4	3953.5	5034.7	5777.0	4663.5	4163.3
87.5°	3178.9	4889.4	3275.8	2485.1	1420.0	1904.1	3082.1	3792.1	2178.5	1178.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)