

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: P599011

Luminaire Tested: **IFLD-M-SA4D-750-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599011  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4D-750-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 5000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

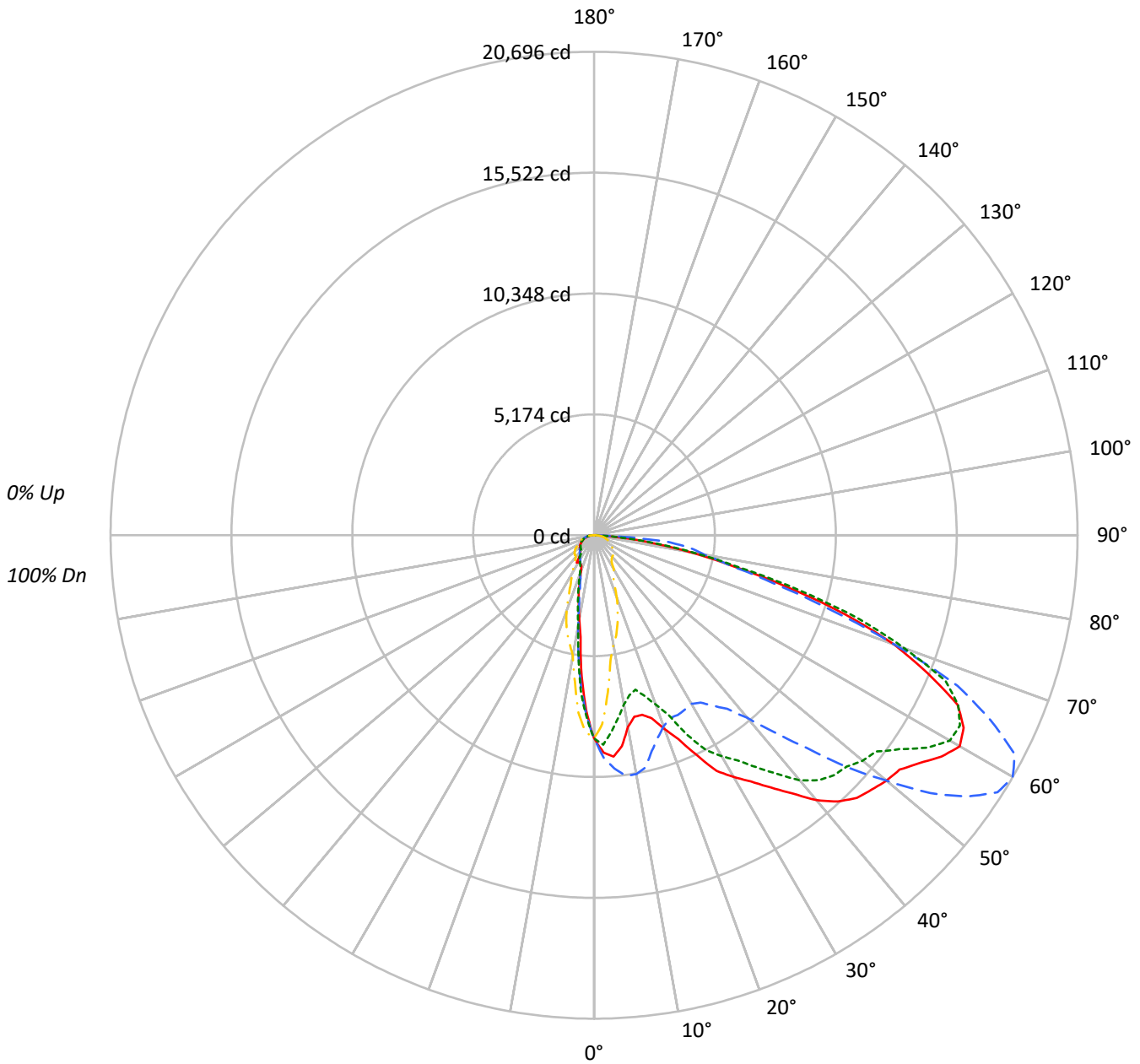
Lumens per Lamp: N/A  
 Luminaire Lumens: 27219.6 lumens  
 Efficiency: N/A  
 Efficacy: 109.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 249.7  
 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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

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

	0°	90°	180°	270°
0°	93579	93579	93579	93579
5°	102809	91327	65495	71496
10°	91063	80374	39725	42628
15°	88672	76294	28122	29199
20°	101106	88244	18395	20332
25°	123187	111858	16062	16636
30°	148427	135670	16659	15458
35°	173104	159300	13804	13010
40°	208010	192400	12895	12216
45°	242074	221120	13050	12131
50°	273576	251334	13345	12536
55°	319050	299563	13823	13142
60°	389133	378476	13778	13778
65°	437318	437934	14146	14762
70°	429792	444992	14820	15201
75°	354530	378136	15567	16573
80°	255975	268701	17214	17964
85°	141669	152105	19390	23861

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	675.4	2.5
10°-20°	1426.0	5.2
20°-30°	2086.4	7.7
30°-40°	2939.6	10.8
40°-50°	4039.8	14.8
50°-60°	5505.8	20.2
60°-70°	6025.9	22.1
70°-80°	3479.0	12.8
80°-90°	1041.8	3.8
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°	4187.7	15.4
0°-40°	7127.3	26.2
0°-60°	16672.9	61.3
0°-90°	27219.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27219.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8694	8694	8694	8694	8694	
5°	9515	8452	6062	6617	9515	864
15°	7957	6846	2524	2620	7957	2325
25°	10372	9418	1352	1401	10372	4857
35°	13174	12123	1050	990	13174	8353
45°	15902	14526	857	797	15902	12222
55°	17001	15963	737	700	17001	15340
65°	17170	17194	555	580	17170	16434
75°	8525	9092	374	398	8525	9157
85°	1147	1232	157	193	1147	1592
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°	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8
2.5°	9309.6	9273.4	9309.6	9442.4	9478.6	9539.0	9539.0	9454.5	9297.5	9225.1	9104.3
5°	9514.9	9454.5	9756.4	10034.1	10251.4	10227.3	10022.0	9853.0	9539.0	9068.1	8621.3
7.5°	9104.3	9164.7	9382.0	10106.5	10613.7	10710.3	10384.2	10046.2	9370.0	8717.9	8114.2
10°	8331.5	8416.1	8887.0	9635.6	10432.5	10589.5	10384.2	9973.7	9164.7	8355.7	7655.4
12.5°	7957.2	8150.4	8428.1	9333.7	9901.3	10275.6	10179.0	9913.3	9007.7	8053.8	7377.6
15°	7957.2	8005.5	8416.1	9176.8	9502.8	9514.9	9551.1	9599.4	9056.0	8186.6	7281.0
17.5°	8210.8	8343.6	8693.8	9164.7	9225.1	9080.2	9080.2	9285.4	9152.6	8561.0	7631.2
20°	8826.6	8778.3	9237.1	9430.3	9104.3	8742.1	8705.9	9056.0	9261.3	8959.4	8271.2
22.5°	9442.4	9659.8	10034.1	9599.4	8995.7	8512.7	8464.4	8899.1	9587.3	9647.7	9007.7
25°	10372.2	10589.5	10782.7	10251.4	8983.6	8452.3	8488.5	8826.6	9985.8	10625.7	10239.3
27.5°	11374.4	11507.2	11784.9	10963.8	9273.4	8379.8	8416.1	8923.2	10360.1	11265.7	11205.3
30°	11941.9	12086.8	12026.4	11096.7	9466.6	8428.1	8331.5	9056.0	10154.8	11265.7	11833.2
32.5°	12497.3	12412.8	12376.6	11314.0	9708.1	8730.0	8488.5	9333.7	10275.6	11446.8	12642.2
35°	13173.5	13052.8	12956.2	11736.6	10106.5	9019.8	8911.1	9696.0	10541.2	11821.1	13294.2
37.5°	13922.1	13922.1	13451.2	12050.6	10577.4	9490.7	9370.0	10215.2	10963.8	12050.6	14187.8
40°	14803.6	14839.8	14006.7	12473.2	11108.7	10239.3	10203.1	10891.4	11374.4	12388.6	15045.1
42.5°	15455.6	15479.8	14489.6	12630.1	11724.5	11277.8	11434.7	11978.1	11845.3	12690.5	15105.5
45°	15902.4	15781.6	14827.7	13076.9	12400.7	12835.4	12883.7	13040.7	12461.1	12871.6	15346.9
47.5°	16119.7	16095.6	14972.6	13596.1	13825.5	14417.2	14694.9	14477.6	13028.6	12678.4	15346.9
50°	16337.1	16131.8	15105.5	14308.5	15214.1	16409.5	16349.1	15950.7	13813.5	12919.9	15117.5
52.5°	16482.0	16300.8	15371.1	14948.5	16542.3	17894.7	18136.2	17399.6	14731.1	13366.7	15226.2
55°	17001.2	16856.3	16168.0	15817.9	18075.8	19464.4	19500.6	18474.3	15697.1	14103.3	15938.6
57.5°	17629.1	17713.6	17266.8	17049.5	19247.1	20611.5	20478.7	19271.2	16518.2	14996.8	16759.7
60°	18075.8	18208.7	18100.0	18124.1	19826.7	20997.9	20696.0	19766.3	17121.9	15673.0	17761.9
62.5°	17834.3	18100.0	18546.7	18450.1	19850.8	20720.2	20297.6	19114.3	17194.4	16554.4	18522.6
65°	17170.2	17194.4	18063.8	18595.0	18764.1	19283.3	18727.9	17749.8	16445.7	17097.8	18413.9
67.5°	15467.7	15660.9	16445.7	17484.2	16771.8	16892.5	16844.2	15431.5	15310.7	16723.5	17580.8
70°	13656.5	13789.3	14646.6	15866.2	14163.6	13596.1	13704.8	12654.3	13149.4	15564.3	15902.4
72.5°	11289.8	11374.4	12352.4	13427.1	11362.3	10348.0	10601.6	9744.3	10444.6	13620.3	13415.0
75°	8524.7	8681.7	9442.4	10710.3	8367.8	7715.7	7969.3	7619.1	8271.2	11217.4	10408.4
77.5°	6061.5	5940.8	6882.6	8379.8	6290.9	5904.5	5928.7	5989.1	6689.4	9454.5	7474.2
80°	4129.5	4165.8	5011.0	6146.0	4938.6	4878.2	4817.8	5300.8	5614.7	7486.3	5433.6
82.5°	2451.2	2451.2	3380.9	4371.0	3900.1	4395.2	4117.5	4552.2	4395.2	5506.1	3562.0
85°	1147.1	1147.1	1738.8	3151.5	3018.7	3622.4	3079.0	3441.3	3248.1	3839.8	1605.9
87.5°	193.2	169.0	350.2	1545.6	1243.7	1412.7	555.4	1835.4	2040.6	2680.6	398.5
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°	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8
2.5°	8971.5	8887.0	8717.9	8500.6	8319.5	8090.1	8017.6	7860.6	7643.3	7619.1	7522.5
5°	8452.3	8162.5	7800.3	7353.5	7051.6	6737.7	6472.0	6315.1	6133.9	6109.8	6061.5
7.5°	7884.8	7522.5	6918.8	6387.5	5868.3	5373.2	5131.7	4829.9	4624.6	4467.6	4395.2
10°	7353.5	7015.4	6266.8	5542.3	5083.5	4757.4	4467.6	4153.7	3900.1	3706.9	3634.5
12.5°	7003.3	6604.9	5795.9	5107.6	4769.5	4395.2	4069.2	3731.1	3405.1	3151.5	3018.7
15°	6846.4	6472.0	5651.0	4890.3	4395.2	3876.0	3501.7	3163.6	2765.1	2584.0	2523.6
17.5°	7220.7	6665.2	5602.7	4636.7	3936.4	3344.7	2885.9	2523.6	2233.8	2052.7	1980.3
20°	7703.7	7015.4	5687.2	4334.8	3501.7	2837.6	2330.4	1944.0	1750.8	1618.0	1605.9
22.5°	8319.5	7534.6	5820.0	4117.5	3018.7	2282.1	1823.3	1593.9	1461.0	1449.0	1424.8
25°	9418.3	8476.4	6037.4	3827.7	2632.3	1883.7	1557.6	1424.8	1364.4	1328.2	1352.4
27.5°	10360.1	9092.3	6194.3	3646.6	2475.3	1775.0	1509.3	1364.4	1304.1	1292.0	1304.1
30°	10915.5	9659.8	6146.0	3308.5	2161.4	1690.5	1605.9	1557.6	1436.9	1340.3	1340.3
32.5°	11422.7	10022.0	6133.9	3006.6	1847.4	1412.7	1340.3	1304.1	1376.5	1424.8	1388.6
35°	12123.0	10589.5	6097.7	2837.6	1714.6	1304.1	1183.3	1086.7	1038.4	1014.3	1050.5
37.5°	12871.6	10975.9	6001.1	2813.4	1642.2	1243.7	1147.1	1050.5	1002.2	978.1	966.0
40°	13692.7	11386.4	5892.5	2692.7	1605.9	1207.5	1110.9	1026.3	966.0	929.8	917.7
42.5°	14224.0	11712.5	5783.8	2632.3	1533.5	1183.3	1074.6	1002.2	941.8	893.5	893.5
45°	14525.9	12098.9	5675.1	2571.9	1449.0	1195.4	1074.6	978.1	905.6	881.5	857.3
47.5°	14658.7	12388.6	5638.9	2475.3	1376.5	1147.1	1050.5	953.9	881.5	833.2	821.1
50°	15008.9	13004.5	5771.7	2402.9	1292.0	1098.8	1110.9	941.8	869.4	809.0	796.9
52.5°	15214.1	13499.5	6061.5	2294.2	1231.6	1038.4	1086.7	917.7	833.2	772.8	772.8
55°	15962.8	14320.6	6375.4	2209.7	1159.2	953.9	1002.2	869.4	772.8	736.6	736.6
57.5°	16916.7	15190.0	6641.1	2173.4	1110.9	893.5	893.5	845.2	736.6	688.3	676.2
60°	17580.8	15902.4	6798.1	2149.3	1062.6	833.2	796.9	845.2	700.3	652.0	640.0
62.5°	17653.2	15491.8	6641.1	2137.2	1050.5	772.8	724.5	809.0	664.1	615.8	591.7
65°	17194.4	14658.7	6206.4	2088.9	1038.4	712.4	676.2	700.3	615.8	579.6	555.4
67.5°	16276.7	13306.3	5578.5	2064.8	1026.3	664.1	615.8	603.7	567.5	531.3	507.1
70°	14139.5	11543.4	4842.0	1956.1	1002.2	627.9	555.4	543.4	507.1	483.0	470.9
72.5°	11869.4	9442.4	3996.7	1811.2	953.9	567.5	507.1	483.0	470.9	434.7	422.6
75°	9092.3	7269.0	3199.8	1605.9	833.2	507.1	446.8	422.6	410.5	386.4	374.3
77.5°	6387.5	5409.5	2366.6	1304.1	700.3	458.8	398.5	374.3	362.2	326.0	326.0
80°	4334.8	3791.5	1605.9	905.6	543.4	374.3	350.2	326.0	301.9	277.7	277.7
82.5°	2692.7	2656.4	1159.2	591.7	398.5	301.9	277.7	277.7	241.5	217.3	217.3
85°	1231.6	1630.1	809.0	410.5	301.9	229.4	229.4	217.3	193.2	157.0	157.0
87.5°	386.4	543.4	422.6	181.1	169.0	132.8	132.8	120.7	120.7	96.6	96.6
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°	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8
2.5°	7619.1	7607.1	7607.1	7558.8	7679.5	7679.5	7752.0	7691.6	7727.8	7739.9	7836.5
5°	6049.4	6146.0	6218.5	6363.4	6447.9	6484.1	6484.1	6580.7	6544.5	6616.9	6761.8
7.5°	4431.4	4552.2	4769.5	4950.6	5095.5	5143.8	5131.7	5155.9	5192.1	5107.6	5131.7
10°	3586.2	3501.7	3574.1	3743.2	3876.0	4033.0	3912.2	3900.1	3936.4	3900.1	3972.6
12.5°	2994.5	2897.9	2837.6	2837.6	2934.2	3006.6	2970.4	3030.8	3163.6	3199.8	3284.3
15°	2427.0	2342.5	2294.2	2233.8	2330.4	2354.6	2390.8	2475.3	2571.9	2620.2	2716.8
17.5°	1944.0	1944.0	1944.0	1895.7	1932.0	1968.2	1980.3	2088.9	2101.0	2149.3	2185.5
20°	1593.9	1630.1	1690.5	1714.6	1750.8	1750.8	1726.7	1787.1	1738.8	1775.0	1799.1
22.5°	1436.9	1485.2	1509.3	1521.4	1569.7	1581.8	1521.4	1533.5	1545.6	1509.3	1521.4
25°	1352.4	1376.5	1352.4	1364.4	1376.5	1352.4	1364.4	1388.6	1376.5	1400.7	1388.6
27.5°	1316.1	1292.0	1279.9	1267.8	1267.8	1243.7	1255.8	1255.8	1279.9	1292.0	1292.0
30°	1316.1	1279.9	1231.6	1195.4	1195.4	1159.2	1183.3	1207.5	1219.5	1243.7	1243.7
32.5°	1352.4	1279.9	1195.4	1159.2	1122.9	1098.8	1122.9	1159.2	1207.5	1219.5	1231.6
35°	1074.6	1110.9	1098.8	1050.5	1038.4	1038.4	1026.3	1026.3	990.1	990.1	978.1
37.5°	966.0	953.9	978.1	990.1	1002.2	966.0	966.0	917.7	905.6	917.7	917.7
40°	905.6	905.6	905.6	941.8	953.9	929.8	893.5	869.4	869.4	869.4	881.5
42.5°	881.5	857.3	845.2	869.4	905.6	881.5	845.2	833.2	833.2	845.2	845.2
45°	845.2	833.2	821.1	809.0	857.3	821.1	809.0	796.9	796.9	796.9	809.0
47.5°	809.0	796.9	772.8	772.8	784.9	772.8	760.7	760.7	760.7	784.9	784.9
50°	784.9	772.8	748.6	748.6	748.6	748.6	736.6	736.6	736.6	748.6	760.7
52.5°	748.6	736.6	724.5	712.4	712.4	712.4	712.4	712.4	712.4	724.5	736.6
55°	712.4	700.3	688.3	688.3	700.3	700.3	688.3	700.3	688.3	700.3	712.4
57.5°	676.2	664.1	652.0	664.1	676.2	664.1	664.1	664.1	664.1	664.1	676.2
60°	627.9	627.9	627.9	627.9	652.0	652.0	652.0	652.0	627.9	640.0	652.0
62.5°	603.7	591.7	591.7	603.7	615.8	615.8	627.9	615.8	603.7	615.8	615.8
65°	555.4	555.4	555.4	567.5	567.5	579.6	579.6	579.6	567.5	579.6	579.6
67.5°	519.2	519.2	519.2	519.2	543.4	543.4	543.4	543.4	531.3	531.3	543.4
70°	458.8	470.9	458.8	483.0	507.1	495.1	507.1	507.1	495.1	483.0	507.1
72.5°	422.6	422.6	422.6	422.6	458.8	458.8	458.8	470.9	458.8	446.8	458.8
75°	374.3	374.3	374.3	386.4	410.5	410.5	410.5	410.5	410.5	398.5	398.5
77.5°	326.0	338.1	326.0	338.1	362.2	350.2	362.2	374.3	362.2	350.2	350.2
80°	277.7	277.7	277.7	289.8	301.9	301.9	301.9	313.9	301.9	289.8	289.8
82.5°	217.3	217.3	229.4	229.4	241.5	241.5	241.5	253.6	241.5	229.4	229.4
85°	169.0	169.0	169.0	181.1	181.1	193.2	193.2	205.3	205.3	193.2	193.2
87.5°	108.7	96.6	108.7	108.7	120.7	120.7	108.7	96.6	108.7	96.6	84.5
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: P599011  
 CATALOG NUMBER: IFLD-M-SA4D-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8	8693.8
2.5°	7933.1	8150.4	8307.4	8416.1	8573.0	8874.9	8995.7	9213.0	9273.4	9309.6
5°	6822.2	7051.6	7389.7	7631.2	7908.9	8476.4	8911.1	9237.1	9382.0	9514.9
7.5°	5349.1	5651.0	6001.1	6315.1	6773.9	7474.2	8041.8	8717.9	8971.5	9104.3
10°	4177.8	4455.6	4842.0	5228.3	5868.3	6460.0	7269.0	7884.8	8234.9	8331.5
12.5°	3525.8	3851.8	4310.7	4781.6	5180.0	5856.2	6677.3	7570.8	7896.9	7957.2
15°	2994.5	3441.3	3912.2	4395.2	4854.0	5445.7	6327.1	7413.9	7896.9	7957.2
17.5°	2475.3	2873.8	3429.2	3948.4	4479.7	5288.7	6387.5	7546.7	8029.7	8210.8
20°	1968.2	2354.6	2789.3	3441.3	4165.8	5023.1	6520.3	7993.5	8633.4	8826.6
22.5°	1630.1	1799.1	2221.7	2849.6	3706.9	4842.0	6653.2	8693.8	9370.0	9442.4
25°	1424.8	1545.6	1811.2	2402.9	3344.7	4721.2	6967.1	9502.8	10372.2	10372.2
27.5°	1328.2	1376.5	1557.6	2088.9	3091.1	4612.5	7281.0	10396.3	11205.3	11374.4
30°	1304.1	1424.8	1521.4	1859.5	2813.4	4310.7	7570.8	11096.7	11929.8	11941.9
32.5°	1279.9	1255.8	1328.2	1618.0	2475.3	3996.7	7812.3	11809.1	12461.1	12497.3
35°	1002.2	1050.5	1171.2	1424.8	2221.7	3767.3	7933.1	12195.5	13137.3	13173.5
37.5°	941.8	1002.2	1098.8	1316.1	2052.7	3574.1	7969.3	12944.1	13849.7	13922.1
40°	917.7	966.0	1038.4	1219.5	1919.9	3332.6	8041.8	13716.9	14900.2	14803.6
42.5°	869.4	929.8	1002.2	1171.2	1811.2	3151.5	8053.8	14139.5	15455.6	15455.6
45°	857.3	893.5	978.1	1171.2	1690.5	2994.5	7860.6	14562.1	16095.6	15902.4
47.5°	809.0	881.5	953.9	1135.0	1545.6	2837.6	7631.2	14779.4	16180.1	16119.7
50°	796.9	869.4	990.1	1074.6	1461.0	2765.1	7582.9	15322.8	16349.1	16337.1
52.5°	772.8	845.2	1026.3	1026.3	1352.4	2668.5	7812.3	15564.3	16385.4	16482.0
55°	736.6	845.2	953.9	941.8	1255.8	2547.8	8065.9	16192.2	17025.3	17001.2
57.5°	712.4	821.1	905.6	857.3	1147.1	2463.2	8440.2	16795.9	17798.1	17629.1
60°	676.2	821.1	809.0	796.9	1062.6	2390.8	8754.2	16916.7	17967.2	18075.8
62.5°	652.0	857.3	712.4	736.6	990.1	2354.6	8621.3	16011.1	17737.7	17834.3
65°	627.9	736.6	652.0	676.2	966.0	2282.1	8102.1	14924.3	16747.6	17170.2
67.5°	579.6	603.7	603.7	627.9	941.8	2113.1	7039.6	12968.2	15238.3	15467.7
70°	531.3	543.4	543.4	579.6	917.7	1919.9	5807.9	11217.4	13221.8	13656.5
72.5°	483.0	483.0	483.0	531.3	845.2	1762.9	4781.6	8621.3	10988.0	11289.8
75°	422.6	422.6	422.6	470.9	760.7	1605.9	3767.3	6411.7	8090.1	8524.7
77.5°	374.3	374.3	362.2	422.6	664.1	1304.1	2716.8	4528.0	5699.3	6061.5
80°	313.9	301.9	301.9	338.1	519.2	941.8	1750.8	3199.8	3972.6	4129.5
82.5°	253.6	241.5	229.4	253.6	374.3	591.7	1086.7	2233.8	2547.8	2451.2
85°	241.5	253.6	205.3	193.2	265.6	386.4	688.3	1376.5	1147.1	1147.1
87.5°	96.6	84.5	84.5	72.4	132.8	144.9	301.9	253.6	193.2	193.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)