

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: P599013

Luminaire Tested: **IFLD-L-SA7A-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: P599013
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-750-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 5000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

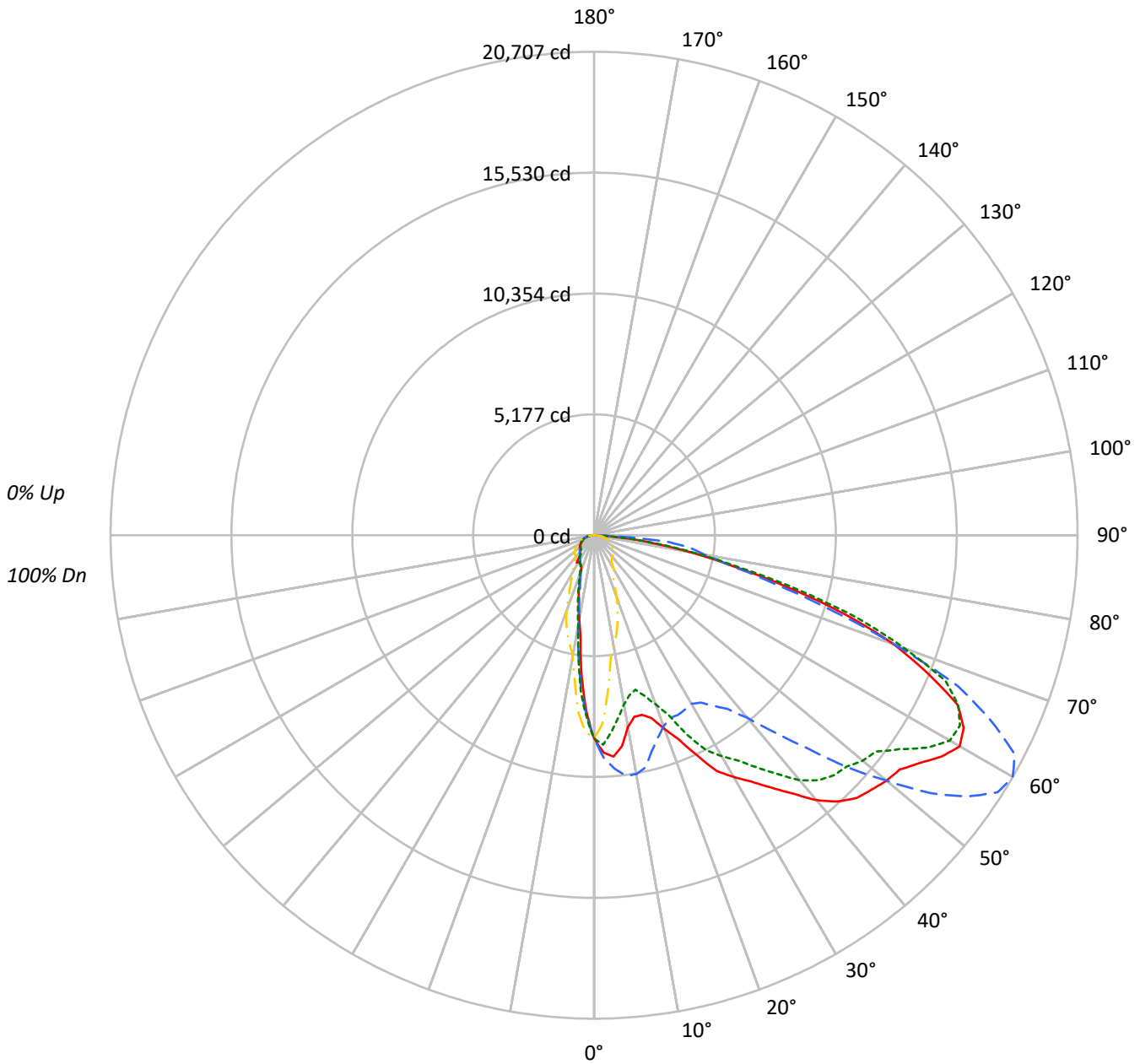
Lumens per Lamp: N/A
 Luminaire Lumens: 27234.0 lumens
 Efficiency: N/A
 Efficacy: 125.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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	100				
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46814	46814	46814	46814
5°	51431	45688	32765	35767
10°	45556	40208	19873	21325
15°	44360	38167	14069	14607
20°	50580	44145	9203	10171
25°	61626	55959	8035	8322
30°	74253	67871	8334	7733
35°	86598	79692	6906	6509
40°	104060	96251	6451	6111
45°	121101	110619	6529	6069
50°	136860	125733	6677	6271
55°	159609	149860	6914	6575
60°	194670	189338	6892	6892
65°	218775	219083	7077	7385
70°	215009	222614	7415	7604
75°	177361	189168	7787	8291
80°	128056	134422	8613	8985
85°	70872	76096	9701	11936

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.8	2.5
10°-20°	1426.7	5.2
20°-30°	2087.5	7.7
30°-40°	2941.1	10.8
40°-50°	4042.0	14.8
50°-60°	5508.7	20.2
60°-70°	6029.1	22.1
70°-80°	3480.8	12.8
80°-90°	1042.4	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°	4189.9	15.4
0°-40°	7131.1	26.2
0°-60°	16681.8	61.3
0°-90°	27234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27234.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8698	8698	8698	8698	8698	
5°	9520	8457	6065	6620	9520	864
15°	7962	6850	2525	2622	7962	2326
25°	10378	9423	1353	1401	10378	4860
35°	13180	12129	1051	991	13180	8358
45°	15911	14534	858	797	15911	12229
55°	17010	15971	737	701	17010	15348
65°	17179	17204	556	580	17179	16442
75°	8529	9097	374	399	8529	9162
85°	1148	1232	157	193	1148	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°	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4
2.5°	9314.5	9278.3	9314.5	9447.4	9483.7	9544.1	9544.1	9459.5	9302.5	9230.0	9109.2
5°	9519.9	9459.5	9761.5	10039.4	10256.9	10232.7	10027.3	9858.2	9544.1	9072.9	8625.9
7.5°	9109.2	9169.6	9387.0	10111.9	10619.3	10715.9	10389.8	10051.5	9374.9	8722.6	8118.5
10°	8336.0	8420.5	8891.7	9640.7	10438.1	10595.1	10389.8	9979.0	9169.6	8360.1	7659.4
12.5°	7961.5	8154.7	8432.6	9338.7	9906.5	10281.0	10184.4	9918.6	9012.5	8058.1	7381.6
15°	7961.5	8009.8	8420.5	9181.6	9507.8	9519.9	9556.2	9604.5	9060.8	8191.0	7284.9
17.5°	8215.2	8348.0	8698.4	9169.6	9230.0	9085.0	9085.0	9290.4	9157.5	8565.5	7635.3
20°	8831.3	8783.0	9242.0	9435.3	9109.2	8746.7	8710.5	9060.8	9266.2	8964.2	8275.6
22.5°	9447.4	9664.9	10039.4	9604.5	9000.4	8517.2	8468.9	8903.8	9592.4	9652.8	9012.5
25°	10377.7	10595.1	10788.4	10256.9	8988.3	8456.8	8493.0	8831.3	9991.1	10631.4	10244.8
27.5°	11380.4	11513.3	11791.2	10969.6	9278.3	8384.3	8420.5	8927.9	10365.6	11271.7	11211.3
30°	11948.2	12093.2	12032.8	11102.5	9471.6	8432.6	8336.0	9060.8	10160.2	11271.7	11839.5
32.5°	12503.9	12419.4	12383.1	11320.0	9713.2	8734.6	8493.0	9338.7	10281.0	11452.9	12648.9
35°	13180.5	13059.7	12963.0	11742.8	10111.9	9024.6	8915.9	9701.1	10546.8	11827.4	13301.3
37.5°	13929.5	13929.5	13458.4	12056.9	10583.1	9495.8	9374.9	10220.6	10969.6	12056.9	14195.3
40°	14811.4	14847.7	14014.1	12479.8	11114.6	10244.8	10208.5	10897.2	11380.4	12395.2	15053.1
42.5°	15463.8	15488.0	14497.3	12636.8	11730.8	11283.8	11440.8	11984.5	11851.6	12697.2	15113.5
45°	15910.8	15790.0	14835.6	13083.8	12407.3	12842.2	12890.5	13047.6	12467.7	12878.5	15355.1
47.5°	16128.3	16104.1	14980.6	13603.3	13832.9	14424.8	14702.7	14485.2	13035.5	12685.2	15355.1
50°	16345.7	16140.4	15113.5	14316.1	15222.2	16418.2	16357.8	15959.1	13820.8	12926.8	15125.5
52.5°	16490.7	16309.5	15379.3	14956.4	16551.1	17904.2	18145.8	17408.9	14739.0	13373.8	15234.3
55°	17010.2	16865.2	16176.6	15826.3	18085.4	19474.7	19511.0	18484.1	15705.4	14110.7	15947.1
57.5°	17638.4	17723.0	17276.0	17058.5	19257.3	20622.5	20489.6	19281.4	16527.0	15004.7	16768.6
60°	18085.4	18218.3	18109.6	18133.7	19837.2	21009.0	20707.0	19776.8	17131.0	15681.3	17771.3
62.5°	17843.8	18109.6	18556.6	18459.9	19861.3	20731.2	20308.3	19124.4	17203.5	16563.2	18532.4
65°	17179.3	17203.5	18073.3	18604.9	18774.0	19293.5	18737.8	17759.2	16454.5	17106.8	18423.7
67.5°	15475.9	15669.2	16454.5	17493.4	16780.7	16901.5	16853.1	15439.7	15318.8	16732.3	17590.1
70°	13663.7	13796.6	14654.4	15874.6	14171.1	13603.3	13712.1	12661.0	13156.3	15572.5	15910.8
72.5°	11295.8	11380.4	12359.0	13434.2	11368.3	10353.5	10607.2	9749.5	10450.2	13627.5	13422.1
75°	8529.3	8686.3	9447.4	10715.9	8372.2	7719.8	7973.5	7623.2	8275.6	11223.3	10413.9
77.5°	6064.7	5943.9	6886.2	8384.3	6294.3	5907.7	5931.8	5992.2	6692.9	9459.5	7478.2
80°	4131.7	4168.0	5013.7	6149.3	4941.2	4880.8	4820.4	5303.6	5617.7	7490.3	5436.5
82.5°	2452.5	2452.5	3382.7	4373.4	3902.2	4397.5	4119.7	4554.6	4397.5	5509.0	3563.9
85°	1147.7	1147.7	1739.7	3153.2	3020.3	3624.3	3080.7	3443.1	3249.8	3841.8	1606.8
87.5°	193.3	169.1	350.4	1546.4	1244.4	1413.5	555.7	1836.3	2041.7	2682.0	398.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4
2.5°	8976.3	8891.7	8722.6	8505.1	8323.9	8094.3	8021.9	7864.8	7647.3	7623.2	7526.5
5°	8456.8	8166.8	7804.4	7357.4	7055.4	6741.3	6475.5	6318.4	6137.2	6113.0	6064.7
7.5°	7889.0	7526.5	6922.5	6390.9	5871.4	5376.1	5134.5	4832.4	4627.1	4470.0	4397.5
10°	7357.4	7019.1	6270.1	5545.2	5086.1	4760.0	4470.0	4155.9	3902.2	3708.9	3636.4
12.5°	7007.0	6608.4	5798.9	5110.3	4772.0	4397.5	4071.3	3733.1	3406.9	3153.2	3020.3
15°	6850.0	6475.5	5654.0	4892.8	4397.5	3878.0	3503.5	3165.3	2766.6	2585.4	2525.0
17.5°	7224.5	6668.8	5605.6	4639.1	3938.4	3346.5	2887.4	2525.0	2235.0	2053.8	1981.3
20°	7707.7	7019.1	5690.2	4337.1	3503.5	2839.1	2331.7	1945.1	1751.8	1618.9	1606.8
22.5°	8323.9	7538.6	5823.1	4119.7	3020.3	2283.3	1824.2	1594.7	1461.8	1449.7	1425.6
25°	9423.3	8480.9	6040.6	3829.7	2633.7	1884.7	1558.5	1425.6	1365.2	1328.9	1353.1
27.5°	10365.6	9097.1	6197.6	3648.5	2476.6	1775.9	1510.1	1365.2	1304.8	1292.7	1304.8
30°	10921.3	9664.9	6149.3	3310.2	2162.5	1691.4	1606.8	1558.5	1437.7	1341.0	1341.0
32.5°	11428.7	10027.3	6137.2	3008.2	1848.4	1413.5	1341.0	1304.8	1377.2	1425.6	1389.3
35°	12129.4	10595.1	6101.0	2839.1	1715.5	1304.8	1183.9	1087.3	1039.0	1014.8	1051.1
37.5°	12878.5	10981.7	6004.3	2814.9	1643.0	1244.4	1147.7	1051.1	1002.7	978.6	966.5
40°	13700.0	11392.5	5895.6	2694.1	1606.8	1208.1	1111.5	1026.9	966.5	930.2	918.2
42.5°	14231.5	11718.7	5786.9	2633.7	1534.3	1183.9	1075.2	1002.7	942.3	894.0	894.0
45°	14533.6	12105.3	5678.1	2573.3	1449.7	1196.0	1075.2	978.6	906.1	881.9	857.8
47.5°	14666.5	12395.2	5641.9	2476.6	1377.2	1147.7	1051.1	954.4	881.9	833.6	821.5
50°	15016.8	13011.4	5774.8	2404.1	1292.7	1099.4	1111.5	942.3	869.8	809.4	797.4
52.5°	15222.2	13506.7	6064.7	2295.4	1232.3	1039.0	1087.3	918.2	833.6	773.2	773.2
55°	15971.2	14328.2	6378.8	2210.8	1159.8	954.4	1002.7	869.8	773.2	736.9	736.9
57.5°	16925.6	15198.0	6644.6	2174.6	1111.5	894.0	894.0	845.7	736.9	688.6	676.5
60°	17590.1	15910.8	6801.7	2150.4	1063.1	833.6	797.4	845.7	700.7	652.4	640.3
62.5°	17662.6	15500.1	6644.6	2138.4	1051.1	773.2	724.9	809.4	664.5	616.1	592.0
65°	17203.5	14666.5	6209.7	2090.0	1039.0	712.8	676.5	700.7	616.1	579.9	555.7
67.5°	16285.3	13313.4	5581.5	2065.9	1026.9	664.5	616.1	604.1	567.8	531.6	507.4
70°	14147.0	11549.5	4844.5	1957.1	1002.7	628.2	555.7	543.6	507.4	483.2	471.2
72.5°	11875.7	9447.4	3998.8	1812.2	954.4	567.8	507.4	483.2	471.2	434.9	422.8
75°	9097.1	7272.8	3201.5	1606.8	833.6	507.4	447.0	422.8	410.8	386.6	374.5
77.5°	6390.9	5412.3	2367.9	1304.8	700.7	459.1	398.7	374.5	362.4	326.2	326.2
80°	4337.1	3793.5	1606.8	906.1	543.6	374.5	350.4	326.2	302.0	277.9	277.9
82.5°	2694.1	2657.8	1159.8	592.0	398.7	302.0	277.9	277.9	241.6	217.5	217.5
85°	1232.3	1630.9	809.4	410.8	302.0	229.5	229.5	217.5	193.3	157.1	157.1
87.5°	386.6	543.6	422.8	181.2	169.1	132.9	132.9	120.8	120.8	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°	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4
2.5°	7623.2	7611.1	7611.1	7562.8	7683.6	7683.6	7756.1	7695.7	7731.9	7744.0	7840.6
5°	6052.6	6149.3	6221.8	6366.7	6451.3	6487.6	6487.6	6584.2	6548.0	6620.4	6765.4
7.5°	4433.8	4554.6	4772.0	4953.3	5098.2	5146.6	5134.5	5158.6	5194.9	5110.3	5134.5
10°	3588.1	3503.5	3576.0	3745.1	3878.0	4035.1	3914.3	3902.2	3938.4	3902.2	3974.7
12.5°	2996.1	2899.5	2839.1	2839.1	2935.7	3008.2	2972.0	3032.4	3165.3	3201.5	3286.1
15°	2428.3	2343.7	2295.4	2235.0	2331.7	2355.8	2392.1	2476.6	2573.3	2621.6	2718.2
17.5°	1945.1	1945.1	1945.1	1896.7	1933.0	1969.2	1981.3	2090.0	2102.1	2150.4	2186.7
20°	1594.7	1630.9	1691.4	1715.5	1751.8	1751.8	1727.6	1788.0	1739.7	1775.9	1800.1
22.5°	1437.7	1486.0	1510.1	1522.2	1570.5	1582.6	1522.2	1534.3	1546.4	1510.1	1522.2
25°	1353.1	1377.2	1353.1	1365.2	1377.2	1353.1	1365.2	1389.3	1377.2	1401.4	1389.3
27.5°	1316.8	1292.7	1280.6	1268.5	1268.5	1244.4	1256.4	1256.4	1280.6	1292.7	1292.7
30°	1316.8	1280.6	1232.3	1196.0	1196.0	1159.8	1183.9	1208.1	1220.2	1244.4	1244.4
32.5°	1353.1	1280.6	1196.0	1159.8	1123.5	1099.4	1123.5	1159.8	1208.1	1220.2	1232.3
35°	1075.2	1111.5	1099.4	1051.1	1039.0	1039.0	1026.9	1026.9	990.7	990.7	978.6
37.5°	966.5	954.4	978.6	990.7	1002.7	966.5	966.5	918.2	906.1	918.2	918.2
40°	906.1	906.1	906.1	942.3	954.4	930.2	894.0	869.8	869.8	869.8	881.9
42.5°	881.9	857.8	845.7	869.8	906.1	881.9	845.7	833.6	833.6	845.7	845.7
45°	845.7	833.6	821.5	809.4	857.8	821.5	809.4	797.4	797.4	797.4	809.4
47.5°	809.4	797.4	773.2	773.2	785.3	773.2	761.1	761.1	761.1	785.3	785.3
50°	785.3	773.2	749.0	749.0	749.0	749.0	736.9	736.9	736.9	749.0	761.1
52.5°	749.0	736.9	724.9	712.8	712.8	712.8	712.8	712.8	712.8	724.9	736.9
55°	712.8	700.7	688.6	688.6	700.7	700.7	688.6	700.7	688.6	700.7	712.8
57.5°	676.5	664.5	652.4	664.5	676.5	664.5	664.5	664.5	664.5	664.5	676.5
60°	628.2	628.2	628.2	628.2	652.4	652.4	652.4	652.4	628.2	640.3	652.4
62.5°	604.1	592.0	592.0	604.1	616.1	616.1	628.2	616.1	604.1	616.1	616.1
65°	555.7	555.7	555.7	567.8	567.8	579.9	579.9	579.9	567.8	579.9	579.9
67.5°	519.5	519.5	519.5	519.5	543.6	543.6	543.6	543.6	531.6	531.6	543.6
70°	459.1	471.2	459.1	483.2	507.4	495.3	507.4	507.4	495.3	483.2	507.4
72.5°	422.8	422.8	422.8	422.8	459.1	459.1	459.1	471.2	459.1	447.0	459.1
75°	374.5	374.5	374.5	386.6	410.8	410.8	410.8	410.8	410.8	398.7	398.7
77.5°	326.2	338.3	326.2	338.3	362.4	350.4	362.4	374.5	362.4	350.4	350.4
80°	277.9	277.9	277.9	289.9	302.0	302.0	302.0	314.1	302.0	289.9	289.9
82.5°	217.5	217.5	229.5	229.5	241.6	241.6	241.6	253.7	241.6	229.5	229.5
85°	169.1	169.1	169.1	181.2	181.2	193.3	193.3	205.4	205.4	193.3	193.3
87.5°	108.7	96.6	108.7	108.7	120.8	120.8	108.7	96.6	108.7	96.6	84.6
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: P599013
 CATALOG NUMBER: IFLD-L-SA7A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4	8698.4
2.5°	7937.3	8154.7	8311.8	8420.5	8577.6	8879.6	9000.4	9217.9	9278.3	9314.5
5°	6825.8	7055.4	7393.6	7635.3	7913.1	8480.9	8915.9	9242.0	9387.0	9519.9
7.5°	5351.9	5654.0	6004.3	6318.4	6777.5	7478.2	8046.0	8722.6	8976.3	9109.2
10°	4180.1	4457.9	4844.5	5231.1	5871.4	6463.4	7272.8	7889.0	8239.3	8336.0
12.5°	3527.7	3853.9	4313.0	4784.1	5182.8	5859.3	6680.9	7574.9	7901.0	7961.5
15°	2996.1	3443.1	3914.3	4397.5	4856.6	5448.6	6330.5	7417.8	7901.0	7961.5
17.5°	2476.6	2875.3	3431.0	3950.5	4482.1	5291.5	6390.9	7550.7	8033.9	8215.2
20°	1969.2	2355.8	2790.7	3443.1	4168.0	5025.7	6523.8	7997.7	8638.0	8831.3
22.5°	1630.9	1800.1	2222.9	2851.1	3708.9	4844.5	6656.7	8698.4	9374.9	9447.4
25°	1425.6	1546.4	1812.2	2404.1	3346.5	4723.7	6970.8	9507.8	10377.7	10377.7
27.5°	1328.9	1377.2	1558.5	2090.0	3092.8	4615.0	7284.9	10401.8	11211.3	11380.4
30°	1304.8	1425.6	1522.2	1860.5	2814.9	4313.0	7574.9	11102.5	11936.1	11948.2
32.5°	1280.6	1256.4	1328.9	1618.9	2476.6	3998.8	7816.5	11815.3	12467.7	12503.9
35°	1002.7	1051.1	1171.9	1425.6	2222.9	3769.3	7937.3	12201.9	13144.2	13180.5
37.5°	942.3	1002.7	1099.4	1316.8	2053.8	3576.0	7973.5	12950.9	13857.0	13929.5
40°	918.2	966.5	1039.0	1220.2	1920.9	3334.4	8046.0	13724.1	14908.1	14811.4
42.5°	869.8	930.2	1002.7	1171.9	1812.2	3153.2	8058.1	14147.0	15463.8	15463.8
45°	857.8	894.0	978.6	1171.9	1691.4	2996.1	7864.8	14569.8	16104.1	15910.8
47.5°	809.4	881.9	954.4	1135.6	1546.4	2839.1	7635.3	14787.3	16188.7	16128.3
50°	797.4	869.8	990.7	1075.2	1461.8	2766.6	7586.9	15330.9	16357.8	16345.7
52.5°	773.2	845.7	1026.9	1026.9	1353.1	2669.9	7816.5	15572.5	16394.1	16490.7
55°	736.9	845.7	954.4	942.3	1256.4	2549.1	8070.2	16200.8	17034.4	17010.2
57.5°	712.8	821.5	906.1	857.8	1147.7	2464.5	8444.7	16804.8	17807.6	17638.4
60°	676.5	821.5	809.4	797.4	1063.1	2392.1	8758.8	16925.6	17976.7	18085.4
62.5°	652.4	857.8	712.8	736.9	990.7	2355.8	8625.9	16019.5	17747.1	17843.8
65°	628.2	736.9	652.4	676.5	966.5	2283.3	8106.4	14932.3	16756.5	17179.3
67.5°	579.9	604.1	604.1	628.2	942.3	2114.2	7043.3	12975.1	15246.4	15475.9
70°	531.6	543.6	543.6	579.9	918.2	1920.9	5811.0	11223.3	13228.8	13663.7
72.5°	483.2	483.2	483.2	531.6	845.7	1763.8	4784.1	8625.9	10993.8	11295.8
75°	422.8	422.8	422.8	471.2	761.1	1606.8	3769.3	6415.1	8094.3	8529.3
77.5°	374.5	374.5	362.4	422.8	664.5	1304.8	2718.2	4530.4	5702.3	6064.7
80°	314.1	302.0	302.0	338.3	519.5	942.3	1751.8	3201.5	3974.7	4131.7
82.5°	253.7	241.6	229.5	253.7	374.5	592.0	1087.3	2235.0	2549.1	2452.5
85°	241.6	253.7	205.4	193.3	265.8	386.6	688.6	1377.2	1147.7	1147.7
87.5°	96.6	84.6	84.6	72.5	132.9	145.0	302.0	253.7	193.3	193.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)