

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: P598875

Luminaire Tested: **IFLD-L-SA8C-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598875
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-722-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

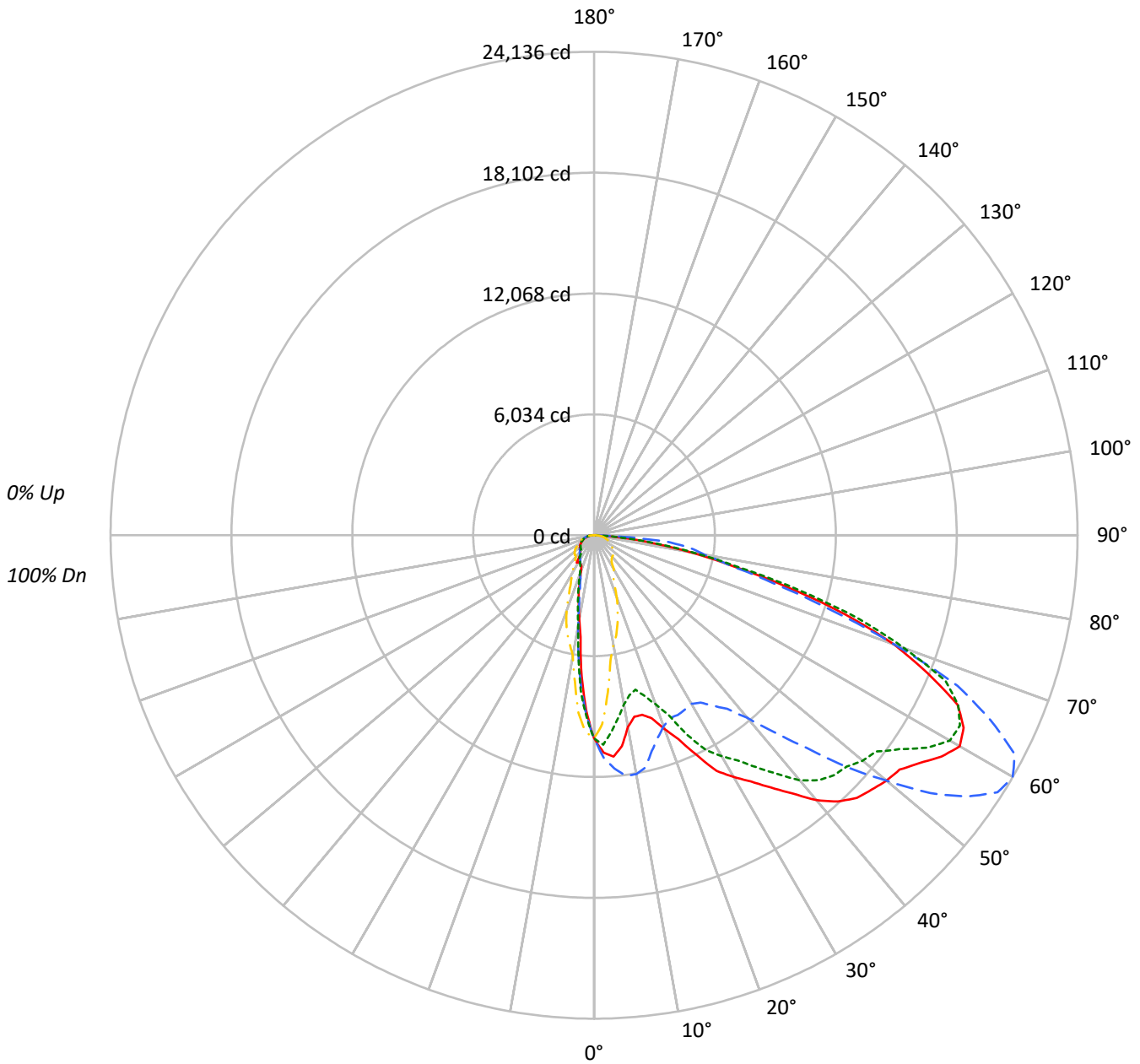
Lumens per Lamp: N/A
 Luminaire Lumens: 31743.7 lumens
 Efficiency: N/A
 Efficacy: 75.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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°	54567	54567	54567	54567
5°	59948	53253	38190	41690
10°	53099	46866	23164	24857
15°	51705	44487	16398	17026
20°	58956	51455	10727	11856
25°	71831	65225	9365	9700
30°	86548	79110	9714	9014
35°	100938	92889	8049	7587
40°	121291	112190	7519	7123
45°	141154	128936	7610	7074
50°	159523	146554	7782	7310
55°	186039	174676	8060	7663
60°	226905	220691	8033	8033
65°	255003	255361	8250	8607
70°	250613	259477	8642	8864
75°	206728	220492	9077	9663
80°	149261	156681	10039	10476
85°	82611	88693	11307	13913

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.7	2.5
10°-20°	1663.0	5.2
20°-30°	2433.1	7.7
30°-40°	3428.1	10.8
40°-50°	4711.3	14.8
50°-60°	6420.9	20.2
60°-70°	7027.4	22.1
70°-80°	4057.2	12.8
80°-90°	1215.0	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°	4883.8	15.4
0°-40°	8311.9	26.2
0°-60°	19444.1	61.3
0°-90°	31743.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31743.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10139	10139	10139	10139	10139	
5°	11096	9857	7069	7717	11096	1008
15°	9280	7984	2943	3056	9280	2711
25°	12096	10984	1577	1634	12096	5664
35°	15363	14138	1225	1155	15363	9742
45°	18546	16940	1000	929	18546	14254
55°	19827	18616	859	817	19827	17890
65°	20024	20052	648	676	20024	19165
75°	9942	10604	436	465	9942	10679
85°	1338	1436	183	225	1338	1856
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°	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8
2.5°	10856.9	10814.7	10856.9	11011.8	11054.1	11124.5	11124.5	11025.9	10842.9	10758.4	10617.6
5°	11096.3	11025.9	11378.0	11701.8	11955.3	11927.1	11687.8	11490.6	11124.5	10575.3	10054.3
7.5°	10617.6	10688.0	10941.4	11786.3	12377.8	12490.4	12110.2	11715.9	10927.3	10166.9	9462.9
10°	9716.3	9814.9	10364.1	11237.1	12166.5	12349.6	12110.2	11631.4	10688.0	9744.5	8927.8
12.5°	9279.8	9505.1	9829.0	10885.1	11546.9	11983.5	11870.8	11561.0	10504.9	9392.4	8603.9
15°	9279.8	9336.1	9814.9	10702.0	11082.2	11096.3	11138.6	11194.9	10561.2	9547.3	8491.2
17.5°	9575.5	9730.4	10138.8	10688.0	10758.4	10589.4	10589.4	10828.8	10673.9	9983.9	8899.6
20°	10293.7	10237.3	10772.4	10997.8	10617.6	10195.1	10152.9	10561.2	10800.6	10448.6	9645.9
22.5°	11011.8	11265.3	11701.8	11194.9	10490.8	9927.6	9871.2	10378.2	11180.8	11251.2	10504.9
25°	12096.1	12349.6	12574.9	11955.3	10476.7	9857.1	9899.4	10293.7	11645.5	12391.8	11941.2
27.5°	13264.9	13419.8	13743.7	12786.1	10814.7	9772.7	9814.9	10406.3	12082.0	13138.2	13067.8
30°	13926.7	14095.7	14025.3	12941.0	11040.0	9829.0	9716.3	10561.2	11842.7	13138.2	13800.0
32.5°	14574.5	14475.9	14433.7	13194.5	11321.6	10181.0	9899.4	10885.1	11983.5	13349.4	14743.5
35°	15363.1	15222.2	15109.6	13687.3	11786.3	10519.0	10392.2	11307.6	12293.3	13785.9	15503.9
37.5°	16236.1	16236.1	15686.9	14053.5	12335.5	11068.2	10927.3	11913.1	12786.1	14053.5	16545.9
40°	17264.1	17306.3	16334.7	14546.3	12955.1	11941.2	11899.0	12701.6	13264.9	14447.8	17545.7
42.5°	18024.5	18052.7	16898.0	14729.4	13673.3	13152.2	13335.3	13969.0	13814.1	14799.8	17616.1
45°	18545.5	18404.7	17292.2	15250.4	14461.8	14968.8	15025.1	15208.2	14532.2	15011.0	17897.8
47.5°	18799.0	18770.8	17461.2	15855.9	16123.5	16813.5	17137.3	16883.9	15194.1	14785.7	17897.8
50°	19052.4	18813.1	17616.1	16686.7	17742.9	19136.9	19066.5	18601.8	16109.4	15067.3	17630.2
52.5°	19221.4	19010.2	17925.9	17433.1	19291.8	20869.0	21150.6	20291.6	17179.6	15588.4	17756.9
55°	19826.9	19658.0	18855.3	18446.9	21080.2	22699.6	22741.8	21544.9	18306.1	16447.3	18587.8
57.5°	20559.2	20657.8	20136.7	19883.3	22446.1	24037.3	23882.4	22474.3	19263.7	17489.4	19545.3
60°	21080.2	21235.1	21108.4	21136.5	23122.0	24488.0	24135.9	23051.6	19967.8	18278.0	20714.1
62.5°	20798.6	21108.4	21629.4	21516.7	23150.2	24164.1	23671.2	22291.2	20052.2	19305.9	21601.2
65°	20024.1	20052.2	21066.1	21685.7	21882.9	22488.4	21840.6	20700.0	19179.2	19939.6	21474.5
67.5°	18038.6	18263.9	19179.2	20390.2	19559.4	19700.2	19643.9	17996.3	17855.5	19503.1	20502.9
70°	15926.3	16081.2	17081.0	18503.3	16517.8	15855.9	15982.7	14757.6	15334.9	18151.2	18545.5
72.5°	13166.3	13264.9	14405.5	15658.8	13250.8	12068.0	12363.7	11363.9	12180.6	15884.1	15644.7
75°	9941.6	10124.7	11011.8	12490.4	9758.6	8998.2	9293.9	8885.5	9645.9	13081.8	12138.4
77.5°	7069.0	6928.2	8026.5	9772.7	7336.5	6885.9	6914.1	6984.5	7801.2	11025.9	8716.5
80°	4815.9	4858.2	5843.9	7167.6	5759.4	5689.0	5618.6	6181.8	6548.0	8730.6	6336.7
82.5°	2858.6	2858.6	3942.9	5097.6	4548.4	5125.7	4801.8	5308.8	5125.7	6421.2	4154.1
85°	1337.8	1337.8	2027.8	3675.3	3520.4	4224.5	3590.8	4013.3	3788.0	4478.0	1872.9
87.5°	225.3	197.1	408.4	1802.4	1450.4	1647.6	647.8	2140.4	2379.8	3126.1	464.7
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°	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8
2.5°	10462.7	10364.1	10166.9	9913.5	9702.2	9434.7	9350.2	9167.1	8913.7	8885.5	8772.9
5°	9857.1	9519.2	9096.7	8575.7	8223.7	7857.6	7547.8	7364.7	7153.5	7125.3	7069.0
7.5°	9195.3	8772.9	8068.8	7449.2	6843.7	6266.3	5984.7	5632.7	5393.3	5210.2	5125.7
10°	8575.7	8181.4	7308.4	6463.5	5928.4	5548.2	5210.2	4844.1	4548.4	4323.1	4238.6
12.5°	8167.3	7702.7	6759.2	5956.5	5562.2	5125.7	4745.5	4351.2	3971.0	3675.3	3520.4
15°	7984.3	7547.8	6590.2	5703.1	5125.7	4520.2	4083.7	3689.4	3224.7	3013.5	2943.1
17.5°	8420.8	7773.1	6533.9	5407.3	4590.6	3900.6	3365.5	2943.1	2605.1	2393.9	2309.4
20°	8984.1	8181.4	6632.4	5055.3	4083.7	3309.2	2717.8	2267.1	2041.8	1886.9	1872.9
22.5°	9702.2	8786.9	6787.3	4801.8	3520.4	2661.4	2126.3	1858.8	1703.9	1689.8	1661.6
25°	10983.7	9885.3	7040.8	4463.9	3069.8	2196.7	1816.5	1661.6	1591.2	1549.0	1577.1
27.5°	12082.0	10603.5	7223.9	4252.7	2886.7	2070.0	1760.2	1591.2	1520.8	1506.7	1520.8
30°	12729.8	11265.3	7167.6	3858.4	2520.6	1971.4	1872.9	1816.5	1675.7	1563.1	1563.1
32.5°	13321.2	11687.8	7153.5	3506.3	2154.5	1647.6	1563.1	1520.8	1605.3	1661.6	1619.4
35°	14138.0	12349.6	7111.2	3309.2	1999.6	1520.8	1380.0	1267.3	1211.0	1182.9	1225.1
37.5°	15011.0	12800.2	6998.6	3281.0	1915.1	1450.4	1337.8	1225.1	1168.8	1140.6	1126.5
40°	15968.6	13279.0	6871.8	3140.2	1872.9	1408.2	1295.5	1196.9	1126.5	1084.3	1070.2
42.5°	16588.2	13659.2	6745.1	3069.8	1788.4	1380.0	1253.3	1168.8	1098.4	1042.0	1042.0
45°	16940.2	14109.8	6618.4	2999.4	1689.8	1394.1	1253.3	1140.6	1056.1	1028.0	999.8
47.5°	17095.1	14447.8	6576.1	2886.7	1605.3	1337.8	1225.1	1112.4	1028.0	971.6	957.6
50°	17503.5	15165.9	6731.0	2802.2	1506.7	1281.4	1295.5	1098.4	1013.9	943.5	929.4
52.5°	17742.9	15743.3	7069.0	2675.5	1436.3	1211.0	1267.3	1070.2	971.6	901.2	901.2
55°	18615.9	16700.8	7435.1	2576.9	1351.8	1112.4	1168.8	1013.9	901.2	859.0	859.0
57.5°	19728.4	17714.7	7744.9	2534.7	1295.5	1042.0	1042.0	985.7	859.0	802.7	788.6
60°	20502.9	18545.5	7928.0	2506.5	1239.2	971.6	929.4	985.7	816.7	760.4	746.3
62.5°	20587.3	18066.7	7744.9	2492.4	1225.1	901.2	844.9	943.5	774.5	718.2	690.0
65°	20052.2	17095.1	7238.0	2436.1	1211.0	830.8	788.6	816.7	718.2	675.9	647.8
67.5°	18982.0	15518.0	6505.7	2408.0	1196.9	774.5	718.2	704.1	661.8	619.6	591.4
70°	16489.6	13462.0	5646.7	2281.2	1168.8	732.2	647.8	633.7	591.4	563.3	549.2
72.5°	13842.2	11011.8	4661.0	2112.2	1112.4	661.8	591.4	563.3	549.2	506.9	492.9
75°	10603.5	8477.1	3731.6	1872.9	971.6	591.4	521.0	492.9	478.8	450.6	436.5
77.5°	7449.2	6308.6	2760.0	1520.8	816.7	535.1	464.7	436.5	422.4	380.2	380.2
80°	5055.3	4421.6	1872.9	1056.1	633.7	436.5	408.4	380.2	352.0	323.9	323.9
82.5°	3140.2	3098.0	1351.8	690.0	464.7	352.0	323.9	323.9	281.6	253.5	253.5
85°	1436.3	1901.0	943.5	478.8	352.0	267.6	267.6	253.5	225.3	183.1	183.1
87.5°	450.6	633.7	492.9	211.2	197.1	154.9	154.9	140.8	140.8	112.7	112.7
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°	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8
2.5°	8885.5	8871.4	8871.4	8815.1	8955.9	8955.9	9040.4	8970.0	9012.2	9026.3	9139.0
5°	7054.9	7167.6	7252.0	7421.0	7519.6	7561.8	7561.8	7674.5	7632.2	7716.7	7885.7
7.5°	5168.0	5308.8	5562.2	5773.5	5942.4	5998.8	5984.7	6012.9	6055.1	5956.5	5984.7
10°	4182.2	4083.7	4168.2	4365.3	4520.2	4703.3	4562.4	4548.4	4590.6	4548.4	4632.9
12.5°	3492.2	3379.6	3309.2	3309.2	3421.8	3506.3	3464.1	3534.5	3689.4	3731.6	3830.2
15°	2830.4	2731.8	2675.5	2605.1	2717.8	2745.9	2788.2	2886.7	2999.4	3055.7	3168.4
17.5°	2267.1	2267.1	2267.1	2210.8	2253.1	2295.3	2309.4	2436.1	2450.2	2506.5	2548.8
20°	1858.8	1901.0	1971.4	1999.6	2041.8	2041.8	2013.7	2084.1	2027.8	2070.0	2098.2
22.5°	1675.7	1732.0	1760.2	1774.3	1830.6	1844.7	1774.3	1788.4	1802.4	1760.2	1774.3
25°	1577.1	1605.3	1577.1	1591.2	1605.3	1577.1	1591.2	1619.4	1605.3	1633.5	1619.4
27.5°	1534.9	1506.7	1492.7	1478.6	1478.6	1450.4	1464.5	1464.5	1492.7	1506.7	1506.7
30°	1534.9	1492.7	1436.3	1394.1	1394.1	1351.8	1380.0	1408.2	1422.2	1450.4	1450.4
32.5°	1577.1	1492.7	1394.1	1351.8	1309.6	1281.4	1309.6	1351.8	1408.2	1422.2	1436.3
35°	1253.3	1295.5	1281.4	1225.1	1211.0	1211.0	1196.9	1196.9	1154.7	1154.7	1140.6
37.5°	1126.5	1112.4	1140.6	1154.7	1168.8	1126.5	1126.5	1070.2	1056.1	1070.2	1070.2
40°	1056.1	1056.1	1056.1	1098.4	1112.4	1084.3	1042.0	1013.9	1013.9	1013.9	1028.0
42.5°	1028.0	999.8	985.7	1013.9	1056.1	1028.0	985.7	971.6	971.6	985.7	985.7
45°	985.7	971.6	957.6	943.5	999.8	957.6	943.5	929.4	929.4	929.4	943.5
47.5°	943.5	929.4	901.2	901.2	915.3	901.2	887.1	887.1	887.1	915.3	915.3
50°	915.3	901.2	873.1	873.1	873.1	873.1	859.0	859.0	859.0	873.1	887.1
52.5°	873.1	859.0	844.9	830.8	830.8	830.8	830.8	830.8	830.8	844.9	859.0
55°	830.8	816.7	802.7	802.7	816.7	816.7	802.7	816.7	802.7	816.7	830.8
57.5°	788.6	774.5	760.4	774.5	788.6	774.5	774.5	774.5	774.5	774.5	788.6
60°	732.2	732.2	732.2	732.2	760.4	760.4	760.4	760.4	732.2	746.3	760.4
62.5°	704.1	690.0	690.0	704.1	718.2	718.2	732.2	718.2	704.1	718.2	718.2
65°	647.8	647.8	647.8	661.8	661.8	675.9	675.9	675.9	661.8	675.9	675.9
67.5°	605.5	605.5	605.5	605.5	633.7	633.7	633.7	633.7	619.6	619.6	633.7
70°	535.1	549.2	535.1	563.3	591.4	577.3	591.4	591.4	577.3	563.3	591.4
72.5°	492.9	492.9	492.9	492.9	535.1	535.1	535.1	549.2	535.1	521.0	535.1
75°	436.5	436.5	436.5	450.6	478.8	478.8	478.8	478.8	478.8	464.7	464.7
77.5°	380.2	394.3	380.2	394.3	422.4	408.4	422.4	436.5	422.4	408.4	408.4
80°	323.9	323.9	323.9	338.0	352.0	352.0	352.0	366.1	352.0	338.0	338.0
82.5°	253.5	253.5	267.6	267.6	281.6	281.6	281.6	295.7	281.6	267.6	267.6
85°	197.1	197.1	197.1	211.2	211.2	225.3	225.3	239.4	239.4	225.3	225.3
87.5°	126.7	112.7	126.7	126.7	140.8	140.8	126.7	112.7	126.7	112.7	98.6
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: P598875
 CATALOG NUMBER: IFLD-L-SA8C-722-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8	10138.8
2.5°	9251.6	9505.1	9688.2	9814.9	9998.0	10350.0	10490.8	10744.3	10814.7	10856.9
5°	7956.1	8223.7	8618.0	8899.6	9223.5	9885.3	10392.2	10772.4	10941.4	11096.3
7.5°	6238.2	6590.2	6998.6	7364.7	7899.8	8716.5	9378.4	10166.9	10462.7	10617.6
10°	4872.2	5196.1	5646.7	6097.3	6843.7	7533.7	8477.1	9195.3	9603.7	9716.3
12.5°	4111.8	4492.0	5027.1	5576.3	6041.0	6829.6	7787.1	8829.2	9209.4	9279.8
15°	3492.2	4013.3	4562.4	5125.7	5660.8	6350.8	7378.8	8646.1	9209.4	9279.8
17.5°	2886.7	3351.4	3999.2	4604.7	5224.3	6167.8	7449.2	8801.0	9364.3	9575.5
20°	2295.3	2745.9	3252.9	4013.3	4858.2	5858.0	7604.1	9322.0	10068.4	10293.7
22.5°	1901.0	2098.2	2591.0	3323.3	4323.1	5646.7	7759.0	10138.8	10927.3	11011.8
25°	1661.6	1802.4	2112.2	2802.2	3900.6	5505.9	8125.1	11082.2	12096.1	12096.1
27.5°	1549.0	1605.3	1816.5	2436.1	3604.9	5379.2	8491.2	12124.3	13067.8	13264.9
30°	1520.8	1661.6	1774.3	2168.6	3281.0	5027.1	8829.2	12941.0	13912.7	13926.7
32.5°	1492.7	1464.5	1549.0	1886.9	2886.7	4661.0	9110.8	13771.8	14532.2	14574.5
35°	1168.8	1225.1	1365.9	1661.6	2591.0	4393.5	9251.6	14222.4	15320.8	15363.1
37.5°	1098.4	1168.8	1281.4	1534.9	2393.9	4168.2	9293.9	15095.5	16151.6	16236.1
40°	1070.2	1126.5	1211.0	1422.2	2239.0	3886.5	9378.4	15996.7	17376.7	17264.1
42.5°	1013.9	1084.3	1168.8	1365.9	2112.2	3675.3	9392.4	16489.6	18024.5	18024.5
45°	999.8	1042.0	1140.6	1365.9	1971.4	3492.2	9167.1	16982.4	18770.8	18545.5
47.5°	943.5	1028.0	1112.4	1323.7	1802.4	3309.2	8899.6	17235.9	18869.4	18799.0
50°	929.4	1013.9	1154.7	1253.3	1703.9	3224.7	8843.3	17869.6	19066.5	19052.4
52.5°	901.2	985.7	1196.9	1196.9	1577.1	3112.0	9110.8	18151.2	19108.8	19221.4
55°	859.0	985.7	1112.4	1098.4	1464.5	2971.2	9406.5	18883.5	19855.1	19826.9
57.5°	830.8	957.6	1056.1	999.8	1337.8	2872.7	9843.1	19587.6	20756.3	20559.2
60°	788.6	957.6	943.5	929.4	1239.2	2788.2	10209.2	19728.4	20953.5	21080.2
62.5°	760.4	999.8	830.8	859.0	1154.7	2745.9	10054.3	18672.2	20685.9	20798.6
65°	732.2	859.0	760.4	788.6	1126.5	2661.4	9448.8	17404.9	19531.2	20024.1
67.5°	675.9	704.1	704.1	732.2	1098.4	2464.3	8209.6	15123.7	17771.0	18038.6
70°	619.6	633.7	633.7	675.9	1070.2	2239.0	6773.3	13081.8	15419.4	15926.3
72.5°	563.3	563.3	563.3	619.6	985.7	2055.9	5576.3	10054.3	12814.3	13166.3
75°	492.9	492.9	492.9	549.2	887.1	1872.9	4393.5	7477.3	9434.7	9941.6
77.5°	436.5	436.5	422.4	492.9	774.5	1520.8	3168.4	5280.6	6646.5	7069.0
80°	366.1	352.0	352.0	394.3	605.5	1098.4	2041.8	3731.6	4632.9	4815.9
82.5°	295.7	281.6	267.6	295.7	436.5	690.0	1267.3	2605.1	2971.2	2858.6
85°	281.6	295.7	239.4	225.3	309.8	450.6	802.7	1605.3	1337.8	1337.8
87.5°	112.7	98.6	98.6	84.5	154.9	169.0	352.0	295.7	225.3	225.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)