

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: P598957

Luminaire Tested: **IFLD-L-SA7C-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598957
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

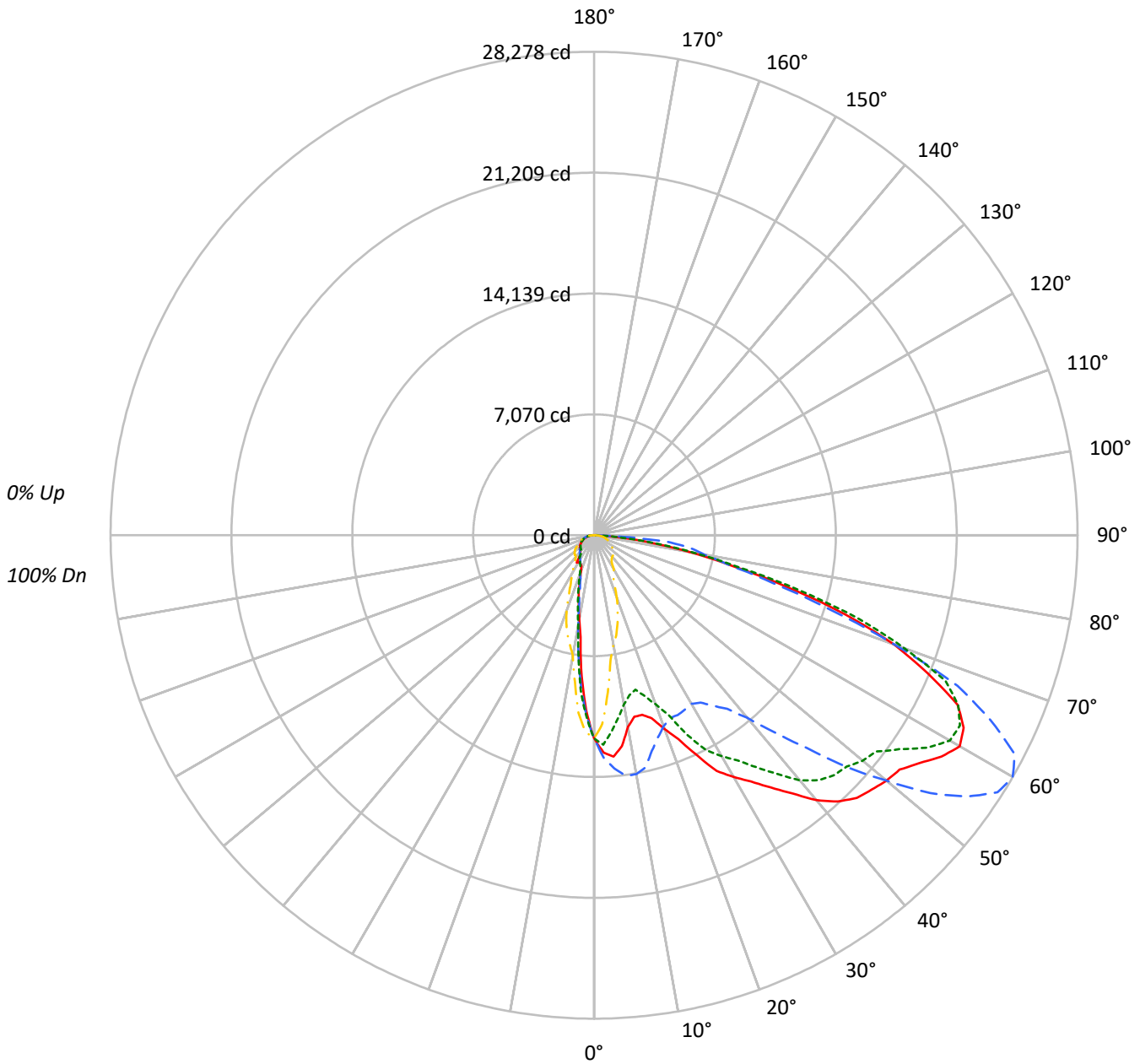
Lumens per Lamp: N/A
 Luminaire Lumens: 37191.4 lumens
 Efficiency: N/A
 Efficacy: 100.8 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 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	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°	63931	63931	63931	63931
5°	70236	62393	44744	48844
10°	62212	54909	27139	29122
15°	60578	52122	19212	19948
20°	69073	60286	12568	13890
25°	84158	76418	10973	11365
30°	101401	92686	11381	10560
35°	118260	108829	9430	8889
40°	142106	131443	8809	8346
45°	165378	151063	8916	8288
50°	186899	171704	9117	8565
55°	217966	204653	9443	8979
60°	265845	258564	9412	9412
65°	298765	299185	9664	10085
70°	293622	304006	10124	10384
75°	242206	258332	10634	11320
80°	174877	183571	11762	12273
85°	96782	103915	13246	16302

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.8	2.5
10°-20°	1948.4	5.2
20°-30°	2850.7	7.7
30°-40°	4016.5	10.8
40°-50°	5519.8	14.8
50°-60°	7522.9	20.2
60°-70°	8233.4	22.1
70°-80°	4753.5	12.8
80°-90°	1423.5	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°	5721.9	15.4
0°-40°	9738.3	26.2
0°-60°	22781.0	61.3
0°-90°	37191.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37191.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11879	11879	11879	11879	11879	
5°	13001	11549	8282	9041	13001	1180
15°	10872	9354	3448	3580	10872	3177
25°	14172	12869	1848	1914	14172	6636
35°	18000	16564	1435	1353	18000	11413
45°	21728	19847	1171	1089	21728	16700
55°	23230	21811	1006	957	23230	20960
65°	23460	23494	759	792	23460	22454
75°	11648	12423	511	544	11648	12512
85°	1567	1683	214	264	1567	2175
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°	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7
2.5°	12720.1	12670.6	12720.1	12901.6	12951.1	13033.6	13033.6	12918.1	12703.6	12604.6	12439.7
5°	13000.6	12918.1	13330.6	13710.0	14007.0	13974.0	13693.5	13462.5	13033.6	12390.2	11779.7
7.5°	12439.7	12522.2	12819.1	13809.0	14501.9	14633.9	14188.5	13726.5	12802.6	11911.7	11086.8
10°	11383.8	11499.3	12142.7	13165.6	14254.5	14468.9	14188.5	13627.5	12522.2	11416.8	10459.9
12.5°	10872.3	11136.3	11515.8	12753.1	13528.5	14040.0	13908.0	13545.0	12307.7	11004.3	10080.4
15°	10872.3	10938.3	11499.3	12538.6	12984.1	13000.6	13050.1	13116.1	12373.7	11185.8	9948.4
17.5°	11218.8	11400.3	11878.7	12522.2	12604.6	12406.7	12406.7	12687.1	12505.7	11697.2	10426.9
20°	12060.2	11994.2	12621.1	12885.1	12439.7	11944.7	11895.2	12373.7	12654.1	12241.7	11301.3
22.5°	12901.6	13198.6	13710.0	13116.1	12291.2	11631.2	11565.3	12159.2	13099.6	13182.1	12307.7
25°	14172.0	14468.9	14732.9	14007.0	12274.7	11548.8	11598.3	12060.2	13644.0	14518.4	13990.5
27.5°	15541.3	15722.8	16102.3	14980.4	12670.6	11449.8	11499.3	12192.2	14155.5	15392.8	15310.4
30°	16316.7	16514.7	16432.2	15161.9	12934.6	11515.8	11383.8	12373.7	13875.0	15392.8	16168.3
32.5°	17075.7	16960.2	16910.7	15458.8	13264.6	11928.2	11598.3	12753.1	14040.0	15640.3	17273.6
35°	17999.6	17834.6	17702.6	16036.3	13809.0	12324.2	12175.7	13248.1	14402.9	16151.8	18164.5
37.5°	19022.5	19022.5	18379.0	16465.2	14452.4	12967.6	12802.6	13957.5	14980.4	16465.2	19385.4
40°	20226.8	20276.3	19137.9	17042.7	15178.4	13990.5	13941.0	14881.4	15541.3	16927.2	20556.8
42.5°	21117.7	21150.7	19797.9	17257.1	16019.8	15409.3	15623.8	16366.2	16184.8	17339.6	20639.3
45°	21728.2	21563.2	20259.8	17867.6	16943.7	17537.6	17603.6	17818.1	17026.2	17587.1	20969.2
47.5°	22025.1	21992.1	20457.8	18577.0	18890.5	19698.9	20078.3	19781.4	17801.6	17323.1	20969.2
50°	22322.1	22041.6	20639.3	19550.4	20787.8	22421.1	22338.6	21794.2	18874.0	17653.1	20655.8
52.5°	22520.1	22272.6	21002.2	20424.8	22602.6	24450.4	24780.3	23773.9	20127.8	18263.5	20804.3
55°	23229.5	23031.5	22091.1	21612.7	24697.8	26595.1	26644.6	25242.3	21447.7	19269.9	21777.7
57.5°	24087.4	24202.9	23592.5	23295.5	26298.2	28162.5	27981.0	26331.2	22569.6	20490.8	22899.5
60°	24697.8	24879.3	24730.8	24763.8	27090.1	28690.4	28278.0	27007.6	23394.5	21414.7	24268.9
62.5°	24367.9	24730.8	25341.3	25209.3	27123.1	28311.0	27733.5	26116.7	23493.5	22619.1	25308.3
65°	23460.5	23493.5	24681.3	25407.3	25638.2	26347.7	25588.7	24252.4	22470.6	23361.5	25159.8
67.5°	21134.2	21398.2	22470.6	23889.4	22916.0	23081.0	23015.0	21084.7	20919.7	22850.0	24021.4
70°	18659.5	18841.0	20012.3	21678.7	19352.4	18577.0	18725.5	17290.1	17966.6	21266.2	21728.2
72.5°	15425.8	15541.3	16877.7	18346.0	15524.8	14139.0	14485.4	13314.1	14271.0	18610.0	18329.5
75°	11647.7	11862.2	12901.6	14633.9	11433.3	10542.4	10888.8	10410.4	11301.3	15326.8	14221.5
77.5°	8282.1	8117.1	9404.0	11449.8	8595.6	8067.6	8100.6	8183.1	9140.0	12918.1	10212.4
80°	5642.4	5691.9	6846.8	8397.6	6747.8	6665.3	6582.8	7242.7	7671.7	10228.9	7424.2
82.5°	3349.1	3349.1	4619.5	5972.4	5328.9	6005.4	5625.9	6219.8	6005.4	7523.2	4867.0
85°	1567.3	1567.3	2375.7	4306.0	4124.6	4949.5	4207.0	4702.0	4438.0	5246.4	2194.3
87.5°	264.0	231.0	478.4	2111.8	1699.3	1930.3	758.9	2507.7	2788.2	3662.6	544.4
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°	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7
2.5°	12258.2	12142.7	11911.7	11614.7	11367.3	11053.8	10954.8	10740.3	10443.4	10410.4	10278.4
5°	11548.8	11152.8	10657.9	10047.4	9635.0	9206.0	8843.0	8628.6	8381.1	8348.1	8282.1
7.5°	10773.3	10278.4	9453.5	8727.6	8018.1	7341.7	7011.7	6599.3	6318.8	6104.3	6005.4
10°	10047.4	9585.5	8562.6	7572.7	6945.8	6500.3	6104.3	5675.4	5328.9	5065.0	4966.0
12.5°	9569.0	9024.5	7919.1	6978.7	6516.8	6005.4	5559.9	5098.0	4652.5	4306.0	4124.6
15°	9354.5	8843.0	7721.2	6681.8	6005.4	5295.9	4784.5	4322.5	3778.1	3530.6	3448.1
17.5°	9865.9	9107.0	7655.2	6335.3	5378.4	4570.0	3943.1	3448.1	3052.2	2804.7	2705.7
20°	10525.9	9585.5	7770.7	5922.9	4784.5	3877.1	3184.2	2656.2	2392.2	2210.8	2194.3
22.5°	11367.3	10294.9	7952.1	5625.9	4124.6	3118.2	2491.2	2177.8	1996.3	1979.8	1946.8
25°	12868.6	11581.8	8249.1	5229.9	3596.6	2573.7	2128.3	1946.8	1864.3	1814.8	1847.8
27.5°	14155.5	12423.2	8463.6	4982.5	3382.1	2425.2	2062.3	1864.3	1781.8	1765.3	1781.8
30°	14914.4	13198.6	8397.6	4520.5	2953.2	2309.8	2194.3	2128.3	1963.3	1831.3	1831.3
32.5°	15607.3	13693.5	8381.1	4108.1	2524.2	1930.3	1831.3	1781.8	1880.8	1946.8	1897.3
35°	16564.2	14468.9	8331.6	3877.1	2342.7	1781.8	1616.8	1484.8	1418.8	1385.9	1435.3
37.5°	17587.1	14996.9	8199.6	3844.1	2243.8	1699.3	1567.3	1435.3	1369.4	1336.4	1319.9
40°	18709.0	15557.8	8051.1	3679.1	2194.3	1649.8	1517.8	1402.3	1319.9	1270.4	1253.9
42.5°	19434.9	16003.3	7902.6	3596.6	2095.3	1616.8	1468.3	1369.4	1286.9	1220.9	1220.9
45°	19847.4	16531.2	7754.2	3514.1	1979.8	1633.3	1468.3	1336.4	1237.4	1204.4	1171.4
47.5°	20028.8	16927.2	7704.7	3382.1	1880.8	1567.3	1435.3	1303.4	1204.4	1138.4	1121.9
50°	20507.3	17768.6	7886.2	3283.1	1765.3	1501.3	1517.8	1286.9	1187.9	1105.4	1088.9
52.5°	20787.8	18445.0	8282.1	3134.7	1682.8	1418.8	1484.8	1253.9	1138.4	1055.9	1055.9
55°	21810.7	19566.9	8711.1	3019.2	1583.8	1303.4	1369.4	1187.9	1055.9	1006.4	1006.4
57.5°	23114.0	20754.8	9074.0	2969.7	1517.8	1220.9	1220.9	1154.9	1006.4	940.4	923.9
60°	24021.4	21728.2	9288.5	2936.7	1451.8	1138.4	1088.9	1154.9	956.9	890.9	874.4
62.5°	24120.4	21167.2	9074.0	2920.2	1435.3	1055.9	989.9	1105.4	907.4	841.4	808.4
65°	23493.5	20028.8	8480.1	2854.2	1418.8	973.4	923.9	956.9	841.4	791.9	758.9
67.5°	22239.6	18181.0	7622.2	2821.2	1402.3	907.4	841.4	824.9	775.4	725.9	692.9
70°	19319.4	15772.3	6615.8	2672.7	1369.4	857.9	758.9	742.4	692.9	659.9	643.4
72.5°	16217.8	12901.6	5460.9	2474.7	1303.4	775.4	692.9	659.9	643.4	593.9	577.4
75°	12423.2	9931.9	4372.0	2194.3	1138.4	692.9	610.4	577.4	560.9	527.9	511.4
77.5°	8727.6	7391.2	3233.7	1781.8	956.9	626.9	544.4	511.4	494.9	445.5	445.5
80°	5922.9	5180.4	2194.3	1237.4	742.4	511.4	478.4	445.5	412.5	379.5	379.5
82.5°	3679.1	3629.6	1583.8	808.4	544.4	412.5	379.5	379.5	330.0	297.0	297.0
85°	1682.8	2227.3	1105.4	560.9	412.5	313.5	313.5	297.0	264.0	214.5	214.5
87.5°	527.9	742.4	577.4	247.5	231.0	181.5	181.5	165.0	165.0	132.0	132.0
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°	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7
2.5°	10410.4	10393.9	10393.9	10327.9	10492.9	10492.9	10591.9	10509.4	10558.9	10575.4	10707.3
5°	8265.6	8397.6	8496.6	8694.6	8810.1	8859.5	8859.5	8991.5	8942.0	9041.0	9239.0
7.5°	6054.8	6219.8	6516.8	6764.3	6962.3	7028.2	7011.7	7044.7	7094.2	6978.7	7011.7
10°	4900.0	4784.5	4883.5	5114.4	5295.9	5510.4	5345.4	5328.9	5378.4	5328.9	5427.9
12.5°	4091.6	3959.6	3877.1	3877.1	4009.1	4108.1	4058.6	4141.1	4322.5	4372.0	4487.5
15°	3316.1	3200.7	3134.7	3052.2	3184.2	3217.2	3266.6	3382.1	3514.1	3580.1	3712.1
17.5°	2656.2	2656.2	2656.2	2590.2	2639.7	2689.2	2705.7	2854.2	2870.7	2936.7	2986.2
20°	2177.8	2227.3	2309.8	2342.7	2392.2	2392.2	2359.2	2441.7	2375.7	2425.2	2458.2
22.5°	1963.3	2029.3	2062.3	2078.8	2144.8	2161.3	2078.8	2095.3	2111.8	2062.3	2078.8
25°	1847.8	1880.8	1847.8	1864.3	1880.8	1847.8	1864.3	1897.3	1880.8	1913.8	1897.3
27.5°	1798.3	1765.3	1748.8	1732.3	1732.3	1699.3	1715.8	1715.8	1748.8	1765.3	1765.3
30°	1798.3	1748.8	1682.8	1633.3	1633.3	1583.8	1616.8	1649.8	1666.3	1699.3	1699.3
32.5°	1847.8	1748.8	1633.3	1583.8	1534.3	1501.3	1534.3	1583.8	1649.8	1666.3	1682.8
35°	1468.3	1517.8	1501.3	1435.3	1418.8	1418.8	1402.3	1402.3	1352.9	1352.9	1336.4
37.5°	1319.9	1303.4	1336.4	1352.9	1369.4	1319.9	1319.9	1253.9	1237.4	1253.9	1253.9
40°	1237.4	1237.4	1237.4	1286.9	1303.4	1270.4	1220.9	1187.9	1187.9	1187.9	1204.4
42.5°	1204.4	1171.4	1154.9	1187.9	1237.4	1204.4	1154.9	1138.4	1138.4	1154.9	1154.9
45°	1154.9	1138.4	1121.9	1105.4	1171.4	1121.9	1105.4	1088.9	1088.9	1088.9	1105.4
47.5°	1105.4	1088.9	1055.9	1055.9	1072.4	1055.9	1039.4	1039.4	1039.4	1072.4	1072.4
50°	1072.4	1055.9	1022.9	1022.9	1022.9	1022.9	1006.4	1006.4	1006.4	1022.9	1039.4
52.5°	1022.9	1006.4	989.9	973.4	973.4	973.4	973.4	973.4	973.4	989.9	1006.4
55°	973.4	956.9	940.4	940.4	956.9	956.9	940.4	956.9	940.4	956.9	973.4
57.5°	923.9	907.4	890.9	907.4	923.9	907.4	907.4	907.4	907.4	907.4	923.9
60°	857.9	857.9	857.9	857.9	890.9	890.9	890.9	890.9	857.9	874.4	890.9
62.5°	824.9	808.4	808.4	824.9	841.4	841.4	857.9	841.4	824.9	841.4	841.4
65°	758.9	758.9	758.9	775.4	775.4	791.9	791.9	791.9	775.4	791.9	791.9
67.5°	709.4	709.4	709.4	709.4	742.4	742.4	742.4	742.4	725.9	725.9	742.4
70°	626.9	643.4	626.9	659.9	692.9	676.4	692.9	692.9	676.4	659.9	692.9
72.5°	577.4	577.4	577.4	577.4	626.9	626.9	626.9	643.4	626.9	610.4	626.9
75°	511.4	511.4	511.4	527.9	560.9	560.9	560.9	560.9	560.9	544.4	544.4
77.5°	445.5	462.0	445.5	462.0	494.9	478.4	494.9	511.4	494.9	478.4	478.4
80°	379.5	379.5	379.5	396.0	412.5	412.5	412.5	429.0	412.5	396.0	396.0
82.5°	297.0	297.0	313.5	313.5	330.0	330.0	330.0	346.5	330.0	313.5	313.5
85°	231.0	231.0	231.0	247.5	247.5	264.0	264.0	280.5	280.5	264.0	264.0
87.5°	148.5	132.0	148.5	148.5	165.0	165.0	148.5	132.0	148.5	132.0	115.5
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: P598957
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7	11878.7
2.5°	10839.3	11136.3	11350.8	11499.3	11713.7	12126.2	12291.2	12588.1	12670.6	12720.1
5°	9321.5	9635.0	10096.9	10426.9	10806.3	11581.8	12175.7	12621.1	12819.1	13000.6
7.5°	7308.7	7721.2	8199.6	8628.6	9255.5	10212.4	10987.8	11911.7	12258.2	12439.7
10°	5708.4	6087.8	6615.8	7143.7	8018.1	8826.5	9931.9	10773.3	11251.8	11383.8
12.5°	4817.5	5262.9	5889.9	6533.3	7077.7	8001.6	9123.5	10344.4	10789.8	10872.3
15°	4091.6	4702.0	5345.4	6005.4	6632.3	7440.7	8645.1	10129.9	10789.8	10872.3
17.5°	3382.1	3926.6	4685.5	5394.9	6120.8	7226.2	8727.6	10311.4	10971.3	11218.8
20°	2689.2	3217.2	3811.1	4702.0	5691.9	6863.3	8909.0	10921.8	11796.2	12060.2
22.5°	2227.3	2458.2	3035.7	3893.6	5065.0	6615.8	9090.5	11878.7	12802.6	12901.6
25°	1946.8	2111.8	2474.7	3283.1	4570.0	6450.8	9519.5	12984.1	14172.0	14172.0
27.5°	1814.8	1880.8	2128.3	2854.2	4223.5	6302.3	9948.4	14205.0	15310.4	15541.3
30°	1781.8	1946.8	2078.8	2540.7	3844.1	5889.9	10344.4	15161.9	16300.2	16316.7
32.5°	1748.8	1715.8	1814.8	2210.8	3382.1	5460.9	10674.4	16135.3	17026.2	17075.7
35°	1369.4	1435.3	1600.3	1946.8	3035.7	5147.4	10839.3	16663.2	17950.1	17999.6
37.5°	1286.9	1369.4	1501.3	1798.3	2804.7	4883.5	10888.8	17686.1	18923.5	19022.5
40°	1253.9	1319.9	1418.8	1666.3	2623.2	4553.5	10987.8	18742.0	20358.8	20226.8
42.5°	1187.9	1270.4	1369.4	1600.3	2474.7	4306.0	11004.3	19319.4	21117.7	21117.7
45°	1171.4	1220.9	1336.4	1600.3	2309.8	4091.6	10740.3	19896.9	21992.1	21728.2
47.5°	1105.4	1204.4	1303.4	1550.8	2111.8	3877.1	10426.9	20193.8	22107.6	22025.1
50°	1088.9	1187.9	1352.9	1468.3	1996.3	3778.1	10360.9	20936.2	22338.6	22322.1
52.5°	1055.9	1154.9	1402.3	1402.3	1847.8	3646.1	10674.4	21266.2	22388.1	22520.1
55°	1006.4	1154.9	1303.4	1286.9	1715.8	3481.1	11020.8	22124.1	23262.5	23229.5
57.5°	973.4	1121.9	1237.4	1171.4	1567.3	3365.6	11532.3	22949.0	24318.4	24087.4
60°	923.9	1121.9	1105.4	1088.9	1451.8	3266.6	11961.2	23114.0	24549.4	24697.8
62.5°	890.9	1171.4	973.4	1006.4	1352.9	3217.2	11779.7	21876.6	24235.9	24367.9
65°	857.9	1006.4	890.9	923.9	1319.9	3118.2	11070.3	20391.8	22883.0	23460.5
67.5°	791.9	824.9	824.9	857.9	1286.9	2887.2	9618.5	17719.1	20820.8	21134.2
70°	725.9	742.4	742.4	791.9	1253.9	2623.2	7935.6	15326.8	18065.6	18659.5
72.5°	659.9	659.9	659.9	725.9	1154.9	2408.7	6533.3	11779.7	15013.4	15425.8
75°	577.4	577.4	577.4	643.4	1039.4	2194.3	5147.4	8760.6	11053.8	11647.7
77.5°	511.4	511.4	494.9	577.4	907.4	1781.8	3712.1	6186.8	7787.2	8282.1
80°	429.0	412.5	412.5	462.0	709.4	1286.9	2392.2	4372.0	5427.9	5642.4
82.5°	346.5	330.0	313.5	346.5	511.4	808.4	1484.8	3052.2	3481.1	3349.1
85°	330.0	346.5	280.5	264.0	363.0	527.9	940.4	1880.8	1567.3	1567.3
87.5°	132.0	115.5	115.5	99.0	181.5	198.0	412.5	346.5	264.0	264.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)