

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: P598991

Luminaire Tested: **IFLD-L-SA8C-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598991
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-740-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 4000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

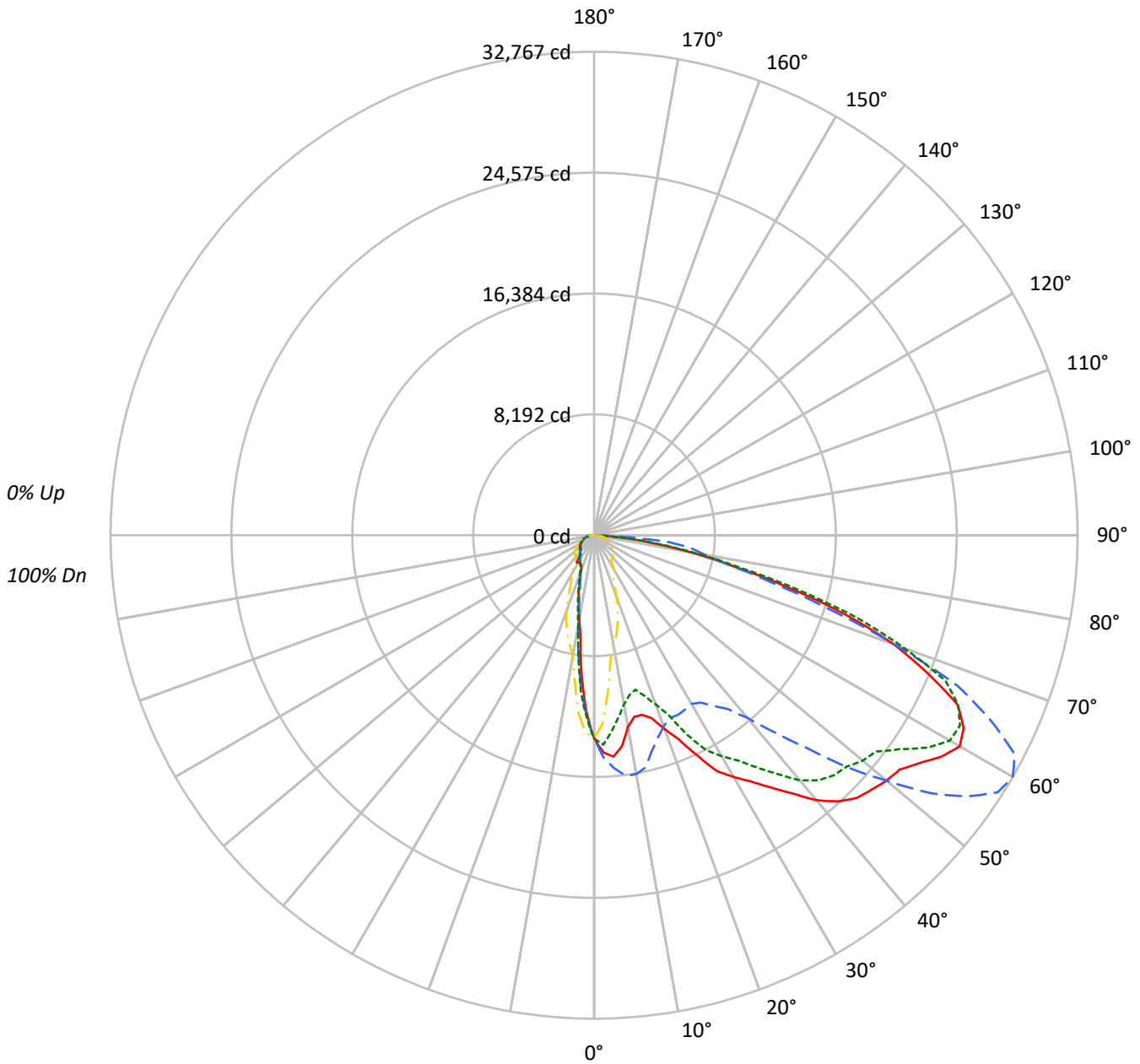
Lumens per Lamp: N/A
 Luminaire Lumens: 43095.0 lumens
 Efficiency: N/A
 Efficacy: 102.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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	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°	74079	74079	74079	74079
5°	81385	72296	51847	56598
10°	72087	63625	31447	33745
15°	70194	60395	22262	23114
20°	80038	69855	14562	16095
25°	97517	88548	12715	13169
30°	117497	107399	13187	12237
35°	137032	126104	10927	10299
40°	164664	152308	10208	9670
45°	191630	175042	10331	9603
50°	216567	198960	10564	9924
55°	252565	237139	10942	10404
60°	308045	299608	10906	10906
65°	346189	346676	11199	11685
70°	340230	352263	11733	12033
75°	280652	299338	12323	13119
80°	202635	212708	13628	14220
85°	112146	120408	15345	18890

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1069.3	2.5
10°-20°	2257.6	5.2
20°-30°	3303.2	7.7
30°-40°	4654.0	10.8
40°-50°	6396.0	14.8
50°-60°	8717.0	20.2
60°-70°	9540.4	22.1
70°-80°	5508.0	12.8
80°-90°	1649.4	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°	6630.1	15.4
0°-40°	11284.2	26.2
0°-60°	26397.2	61.3
0°-90°	43095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	43095.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	13764	13764	13764	13764	13764	
5°	15064	13382	9597	10476	15064	1368
15°	12598	10839	3996	4148	12598	3681
25°	16422	14911	2141	2218	16422	7690
35°	20857	19194	1663	1568	20857	13225
45°	25177	22998	1357	1262	25177	19351
55°	26917	25273	1166	1109	26917	24287
65°	27184	27223	879	918	27184	26018
75°	13497	14395	593	631	13497	14498
85°	1816	1950	248	306	1816	2520
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°	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3
2.5°	14739.3	14681.9	14739.3	14949.5	15006.9	15102.5	15102.5	14968.7	14720.1	14605.4	14414.3
5°	15064.2	14968.7	15446.6	15886.3	16230.4	16192.2	15867.2	15599.5	15102.5	14356.9	13649.6
7.5°	14414.3	14509.9	14854.0	16001.0	16803.9	16956.8	16440.7	15905.4	14834.8	13802.5	12846.7
10°	13190.8	13324.6	14070.2	15255.4	16517.1	16765.7	16440.7	15790.7	14509.9	13229.0	12120.2
12.5°	12598.1	12904.0	13343.7	14777.5	15676.0	16268.6	16115.7	15695.1	14261.3	12751.1	11680.5
15°	12598.1	12674.6	13324.6	14529.0	15045.1	15064.2	15121.6	15198.1	14337.8	12961.4	11527.6
17.5°	12999.6	13209.9	13764.3	14509.9	14605.4	14376.0	14376.0	14701.0	14490.7	13554.0	12082.0
20°	13974.6	13898.1	14624.6	14930.4	14414.3	13840.8	13783.4	14337.8	14662.8	14184.9	13095.2
22.5°	14949.5	15293.7	15886.3	15198.1	14242.2	13477.5	13401.1	14089.3	15179.0	15274.5	14261.3
25°	16421.6	16765.7	17071.5	16230.4	14223.1	13381.9	13439.3	13974.6	15809.8	16823.0	16211.3
27.5°	18008.3	18218.6	18658.3	17358.3	14681.9	13267.2	13324.6	14127.5	16402.4	17836.2	17740.6
30°	18906.8	19136.2	19040.6	17568.6	14987.8	13343.7	13190.8	14337.8	16077.5	17836.2	18734.7
32.5°	19786.2	19652.3	19595.0	17912.7	15370.1	13821.6	13439.3	14777.5	16268.6	18123.0	20015.6
35°	20856.7	20665.6	20512.6	18581.8	16001.0	14280.4	14108.4	15351.0	16689.2	18715.6	21047.9
37.5°	22042.0	22042.0	21296.4	19078.8	16746.6	15026.0	14834.8	16173.0	17358.3	19078.8	22462.6
40°	23437.5	23494.9	22175.8	19747.9	17587.7	16211.3	16153.9	17243.6	18008.3	19614.1	23819.9
42.5°	24469.8	24508.1	22940.5	19996.5	18562.7	17855.3	18103.9	18964.1	18753.8	20092.0	23915.5
45°	25177.2	24986.0	23475.8	20703.8	19633.2	20321.4	20397.9	20646.4	19728.8	20378.8	24297.8
47.5°	25521.3	25483.1	23705.2	21525.8	21889.0	22825.8	23265.5	22921.4	20627.3	20072.9	24297.8
50°	25865.4	25540.4	23915.5	22653.7	24087.5	25980.1	25884.5	25253.6	21869.9	20455.3	23934.6
52.5°	26094.8	25808.0	24336.0	23666.9	26190.4	28331.5	28713.8	27547.7	23322.8	21162.6	24106.6
55°	26916.8	26687.4	25597.8	25043.4	28618.3	30816.7	30874.1	29249.1	24852.2	22328.7	25234.5
57.5°	27910.9	28044.7	27337.4	26993.3	30472.6	32632.8	32422.5	30510.8	26152.1	23743.4	26534.5
60°	28618.3	28828.5	28656.5	28694.7	31390.2	33244.6	32766.7	31294.6	27108.0	24814.0	28121.2
62.5°	28235.9	28656.5	29363.8	29210.9	31428.5	32804.9	32135.8	30262.3	27222.7	26209.5	29325.6
65°	27184.5	27222.7	28599.1	29440.3	29707.9	30530.0	29650.6	28102.1	26037.4	27069.8	29153.5
67.5°	24489.0	24794.8	26037.4	27681.5	26553.6	26744.8	26668.3	24431.6	24240.4	26477.1	27834.5
70°	21621.4	21831.7	23189.0	25119.8	22424.3	21525.8	21697.9	20034.7	20818.5	24641.9	25177.2
72.5°	17874.5	18008.3	19556.8	21258.2	17989.2	16383.3	16784.8	15427.5	16536.3	21564.1	21239.1
75°	13496.6	13745.2	14949.5	16956.8	13248.1	12215.8	12617.3	12062.9	13095.2	17759.8	16478.9
77.5°	9596.8	9405.6	10896.7	13267.2	9960.0	9348.2	9386.5	9482.1	10590.9	14968.7	11833.5
80°	6538.0	6595.4	7933.6	9730.6	7818.9	7723.3	7627.7	8392.4	8889.4	11852.6	8602.7
82.5°	3880.8	3880.8	5352.8	6920.4	6174.8	6958.6	6518.9	7207.1	6958.6	8717.4	5639.5
85°	1816.1	1816.1	2752.9	4989.6	4779.3	5735.1	4874.9	5448.4	5142.5	6079.2	2542.6
87.5°	305.9	267.6	554.4	2447.0	1969.1	2236.7	879.4	2905.8	3230.8	4244.0	630.9
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°	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3
2.5°	14204.0	14070.2	13802.5	13458.4	13171.7	12808.4	12693.7	12445.2	12101.1	12062.9	11909.9
5°	13381.9	12923.1	12349.6	11642.3	11164.4	10667.3	10246.7	9998.2	9711.5	9673.2	9596.8
7.5°	12483.4	11909.9	10954.1	10112.9	9290.9	8507.1	8124.8	7646.8	7321.8	7073.3	6958.6
10°	11642.3	11107.0	9921.8	8774.7	8048.3	7532.1	7073.3	6576.3	6174.8	5868.9	5754.2
12.5°	11087.9	10457.0	9176.2	8086.5	7551.2	6958.6	6442.5	5907.2	5391.0	4989.6	4779.3
15°	10839.4	10246.7	8946.8	7742.4	6958.6	6136.6	5543.9	5008.7	4377.8	4091.1	3995.5
17.5°	11432.0	10552.6	8870.3	7341.0	6232.2	5295.4	4569.0	3995.5	3536.7	3249.9	3135.2
20°	12196.7	11107.0	9004.1	6863.0	5543.9	4492.5	3689.6	3077.8	2772.0	2561.7	2542.6
22.5°	13171.7	11929.1	9214.4	6518.9	4779.3	3613.1	2886.7	2523.5	2313.2	2294.0	2255.8
25°	14911.3	13420.2	9558.5	6060.1	4167.5	2982.3	2466.1	2255.8	2160.2	2102.9	2141.1
27.5°	16402.4	14395.2	9807.1	5773.4	3919.0	2810.2	2389.6	2160.2	2064.6	2045.5	2064.6
30°	17281.8	15293.7	9730.6	5238.1	3422.0	2676.4	2542.6	2466.1	2274.9	2122.0	2122.0
32.5°	18084.7	15867.2	9711.5	4760.1	2924.9	2236.7	2122.0	2064.6	2179.3	2255.8	2198.5
35°	19193.5	16765.7	9654.1	4492.5	2714.6	2064.6	1873.5	1720.5	1644.1	1605.8	1663.2
37.5°	20378.8	17377.4	9501.2	4454.3	2599.9	1969.1	1816.1	1663.2	1586.7	1548.5	1529.4
40°	21678.8	18027.4	9329.1	4263.1	2542.6	1911.7	1758.8	1625.0	1529.4	1472.0	1452.9
42.5°	22519.9	18543.6	9157.1	4167.5	2427.9	1873.5	1701.4	1586.7	1491.1	1414.7	1414.7
45°	22997.8	19155.3	8985.0	4071.9	2294.0	1892.6	1701.4	1548.5	1433.8	1395.5	1357.3
47.5°	23208.1	19614.1	8927.7	3919.0	2179.3	1816.1	1663.2	1510.2	1395.5	1319.1	1300.0
50°	23762.5	20589.1	9138.0	3804.3	2045.5	1739.7	1758.8	1491.1	1376.4	1280.8	1261.7
52.5°	24087.5	21372.9	9596.8	3632.2	1949.9	1644.1	1720.5	1452.9	1319.1	1223.5	1223.5
55°	25272.8	22672.8	10093.8	3498.4	1835.2	1510.2	1586.7	1376.4	1223.5	1166.1	1166.1
57.5°	26783.0	24049.3	10514.4	3441.1	1758.8	1414.7	1414.7	1338.2	1166.1	1089.7	1070.6
60°	27834.5	25177.2	10762.9	3402.8	1682.3	1319.1	1261.7	1338.2	1108.8	1032.3	1013.2
62.5°	27949.2	24527.2	10514.4	3383.7	1663.2	1223.5	1147.0	1280.8	1051.4	975.0	936.7
65°	27222.7	23208.1	9826.2	3307.3	1644.1	1127.9	1070.6	1108.8	975.0	917.6	879.4
67.5°	25769.8	21067.0	8832.1	3269.0	1625.0	1051.4	975.0	955.9	898.5	841.2	802.9
70°	22386.1	18275.9	7665.9	3097.0	1586.7	994.1	879.4	860.3	802.9	764.7	745.6
72.5°	18792.1	14949.5	6327.7	2867.6	1510.2	898.5	802.9	764.7	745.6	688.2	669.1
75°	14395.2	11508.5	5066.0	2542.6	1319.1	802.9	707.3	669.1	650.0	611.7	592.6
77.5°	10112.9	8564.4	3746.9	2064.6	1108.8	726.4	630.9	592.6	573.5	516.2	516.2
80°	6863.0	6002.8	2542.6	1433.8	860.3	592.6	554.4	516.2	477.9	439.7	439.7
82.5°	4263.1	4205.8	1835.2	936.7	630.9	477.9	439.7	439.7	382.3	344.1	344.1
85°	1949.9	2580.8	1280.8	650.0	477.9	363.2	363.2	344.1	305.9	248.5	248.5
87.5°	611.7	860.3	669.1	286.8	267.6	210.3	210.3	191.2	191.2	152.9	152.9
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°	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3
2.5°	12062.9	12043.8	12043.8	11967.3	12158.5	12158.5	12273.2	12177.6	12234.9	12254.0	12407.0
5°	9577.7	9730.6	9845.3	10074.7	10208.5	10265.9	10265.9	10418.8	10361.5	10476.2	10705.6
7.5°	7016.0	7207.1	7551.2	7838.0	8067.4	8143.9	8124.8	8163.0	8220.3	8086.5	8124.8
10°	5677.8	5543.9	5658.7	5926.3	6136.6	6385.1	6193.9	6174.8	6232.2	6174.8	6289.5
12.5°	4741.0	4588.1	4492.5	4492.5	4645.4	4760.1	4702.8	4798.4	5008.7	5066.0	5199.8
15°	3842.5	3708.7	3632.2	3536.7	3689.6	3727.8	3785.2	3919.0	4071.9	4148.4	4301.3
17.5°	3077.8	3077.8	3077.8	3001.4	3058.7	3116.1	3135.2	3307.3	3326.4	3402.8	3460.2
20°	2523.5	2580.8	2676.4	2714.6	2772.0	2772.0	2733.7	2829.3	2752.9	2810.2	2848.4
22.5°	2274.9	2351.4	2389.6	2408.8	2485.2	2504.3	2408.8	2427.9	2447.0	2389.6	2408.8
25°	2141.1	2179.3	2141.1	2160.2	2179.3	2141.1	2160.2	2198.5	2179.3	2217.6	2198.5
27.5°	2083.8	2045.5	2026.4	2007.3	2007.3	1969.1	1988.2	1988.2	2026.4	2045.5	2045.5
30°	2083.8	2026.4	1949.9	1892.6	1892.6	1835.2	1873.5	1911.7	1930.8	1969.1	1969.1
32.5°	2141.1	2026.4	1892.6	1835.2	1777.9	1739.7	1777.9	1835.2	1911.7	1930.8	1949.9
35°	1701.4	1758.8	1739.7	1663.2	1644.1	1644.1	1625.0	1625.0	1567.6	1567.6	1548.5
37.5°	1529.4	1510.2	1548.5	1567.6	1586.7	1529.4	1529.4	1452.9	1433.8	1452.9	1452.9
40°	1433.8	1433.8	1433.8	1491.1	1510.2	1472.0	1414.7	1376.4	1376.4	1376.4	1395.5
42.5°	1395.5	1357.3	1338.2	1376.4	1433.8	1395.5	1338.2	1319.1	1319.1	1338.2	1338.2
45°	1338.2	1319.1	1300.0	1280.8	1357.3	1300.0	1280.8	1261.7	1261.7	1261.7	1280.8
47.5°	1280.8	1261.7	1223.5	1223.5	1242.6	1223.5	1204.4	1204.4	1204.4	1242.6	1242.6
50°	1242.6	1223.5	1185.3	1185.3	1185.3	1185.3	1166.1	1166.1	1166.1	1185.3	1204.4
52.5°	1185.3	1166.1	1147.0	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1147.0	1166.1
55°	1127.9	1108.8	1089.7	1089.7	1108.8	1108.8	1089.7	1108.8	1089.7	1108.8	1127.9
57.5°	1070.6	1051.4	1032.3	1051.4	1070.6	1051.4	1051.4	1051.4	1051.4	1051.4	1070.6
60°	994.1	994.1	994.1	994.1	1032.3	1032.3	1032.3	1032.3	994.1	1013.2	1032.3
62.5°	955.9	936.7	936.7	955.9	975.0	975.0	994.1	975.0	955.9	975.0	975.0
65°	879.4	879.4	879.4	898.5	898.5	917.6	917.6	917.6	898.5	917.6	917.6
67.5°	822.0	822.0	822.0	822.0	860.3	860.3	860.3	860.3	841.2	841.2	860.3
70°	726.4	745.6	726.4	764.7	802.9	783.8	802.9	802.9	783.8	764.7	802.9
72.5°	669.1	669.1	669.1	669.1	726.4	726.4	726.4	745.6	726.4	707.3	726.4
75°	592.6	592.6	592.6	611.7	650.0	650.0	650.0	650.0	650.0	630.9	630.9
77.5°	516.2	535.3	516.2	535.3	573.5	554.4	573.5	592.6	573.5	554.4	554.4
80°	439.7	439.7	439.7	458.8	477.9	477.9	477.9	497.0	477.9	458.8	458.8
82.5°	344.1	344.1	363.2	363.2	382.3	382.3	382.3	401.5	382.3	363.2	363.2
85°	267.6	267.6	267.6	286.8	286.8	305.9	305.9	325.0	325.0	305.9	305.9
87.5°	172.1	152.9	172.1	172.1	191.2	191.2	172.1	152.9	172.1	152.9	133.8
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: P598991
 CATALOG NUMBER: IFLD-L-SA8C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3	13764.3
2.5°	12559.9	12904.0	13152.5	13324.6	13573.1	14051.0	14242.2	14586.3	14681.9	14739.3
5°	10801.1	11164.4	11699.6	12082.0	12521.7	13420.2	14108.4	14624.6	14854.0	15064.2
7.5°	8468.9	8946.8	9501.2	9998.2	10724.7	11833.5	12732.0	13802.5	14204.0	14414.3
10°	6614.5	7054.2	7665.9	8277.7	9290.9	10227.6	11508.5	12483.4	13037.8	13190.8
12.5°	5582.2	6098.3	6824.8	7570.4	8201.2	9271.8	10571.7	11986.4	12502.6	12598.1
15°	4741.0	5448.4	6193.9	6958.6	7685.1	8621.8	10017.3	11737.9	12502.6	12598.1
17.5°	3919.0	4549.9	5429.2	6251.3	7092.4	8373.3	10112.9	11948.2	12712.9	12999.6
20°	3116.1	3727.8	4416.0	5448.4	6595.4	7952.7	10323.2	12655.5	13668.7	13974.6
22.5°	2580.8	2848.4	3517.5	4511.6	5868.9	7665.9	10533.5	13764.3	14834.8	14949.5
25°	2255.8	2447.0	2867.6	3804.3	5295.4	7474.8	11030.5	15045.1	16421.6	16421.6
27.5°	2102.9	2179.3	2466.1	3307.3	4894.0	7302.7	11527.6	16459.8	17740.6	18008.3
30°	2064.6	2255.8	2408.8	2944.0	4454.3	6824.8	11986.4	17568.6	18887.7	18906.8
32.5°	2026.4	1988.2	2102.9	2561.7	3919.0	6327.7	12368.7	18696.5	19728.8	19786.2
35°	1586.7	1663.2	1854.4	2255.8	3517.5	5964.5	12559.9	19308.2	20799.4	20856.7
37.5°	1491.1	1586.7	1739.7	2083.8	3249.9	5658.7	12617.3	20493.5	21927.3	22042.0
40°	1452.9	1529.4	1644.1	1930.8	3039.6	5276.3	12732.0	21717.0	23590.5	23437.5
42.5°	1376.4	1472.0	1586.7	1854.4	2867.6	4989.6	12751.1	22386.1	24469.8	24469.8
45°	1357.3	1414.7	1548.5	1854.4	2676.4	4741.0	12445.2	23055.2	25483.1	25177.2
47.5°	1280.8	1395.5	1510.2	1797.0	2447.0	4492.5	12082.0	23399.3	25616.9	25521.3
50°	1261.7	1376.4	1567.6	1701.4	2313.2	4377.8	12005.5	24259.6	25884.5	25865.4
52.5°	1223.5	1338.2	1625.0	1625.0	2141.1	4224.9	12368.7	24641.9	25941.9	26094.8
55°	1166.1	1338.2	1510.2	1491.1	1988.2	4033.7	12770.2	25636.0	26955.1	26916.8
57.5°	1127.9	1300.0	1433.8	1357.3	1816.1	3899.9	13362.8	26591.8	28178.6	27910.9
60°	1070.6	1300.0	1280.8	1261.7	1682.3	3785.2	13859.9	26783.0	28446.2	28618.3
62.5°	1032.3	1357.3	1127.9	1166.1	1567.6	3727.8	13649.6	25349.2	28083.0	28235.9
65°	994.1	1166.1	1032.3	1070.6	1529.4	3613.1	12827.6	23628.7	26515.4	27184.5
67.5°	917.6	955.9	955.9	994.1	1491.1	3345.5	11145.3	20531.7	24125.7	24489.0
70°	841.2	860.3	860.3	917.6	1452.9	3039.6	9195.3	17759.8	20933.2	21621.4
72.5°	764.7	764.7	764.7	841.2	1338.2	2791.1	7570.4	13649.6	17396.5	17874.5
75°	669.1	669.1	669.1	745.6	1204.4	2542.6	5964.5	10151.2	12808.4	13496.6
77.5°	592.6	592.6	573.5	669.1	1051.4	2064.6	4301.3	7168.9	9023.3	9596.8
80°	497.0	477.9	477.9	535.3	822.0	1491.1	2772.0	5066.0	6289.5	6538.0
82.5°	401.5	382.3	363.2	401.5	592.6	936.7	1720.5	3536.7	4033.7	3880.8
85°	382.3	401.5	325.0	305.9	420.6	611.7	1089.7	2179.3	1816.1	1816.1
87.5°	152.9	133.8	133.8	114.7	210.3	229.4	477.9	401.5	305.9	305.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)