

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: P598934

Luminaire Tested: **IFLD-L-SA8D-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598934
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

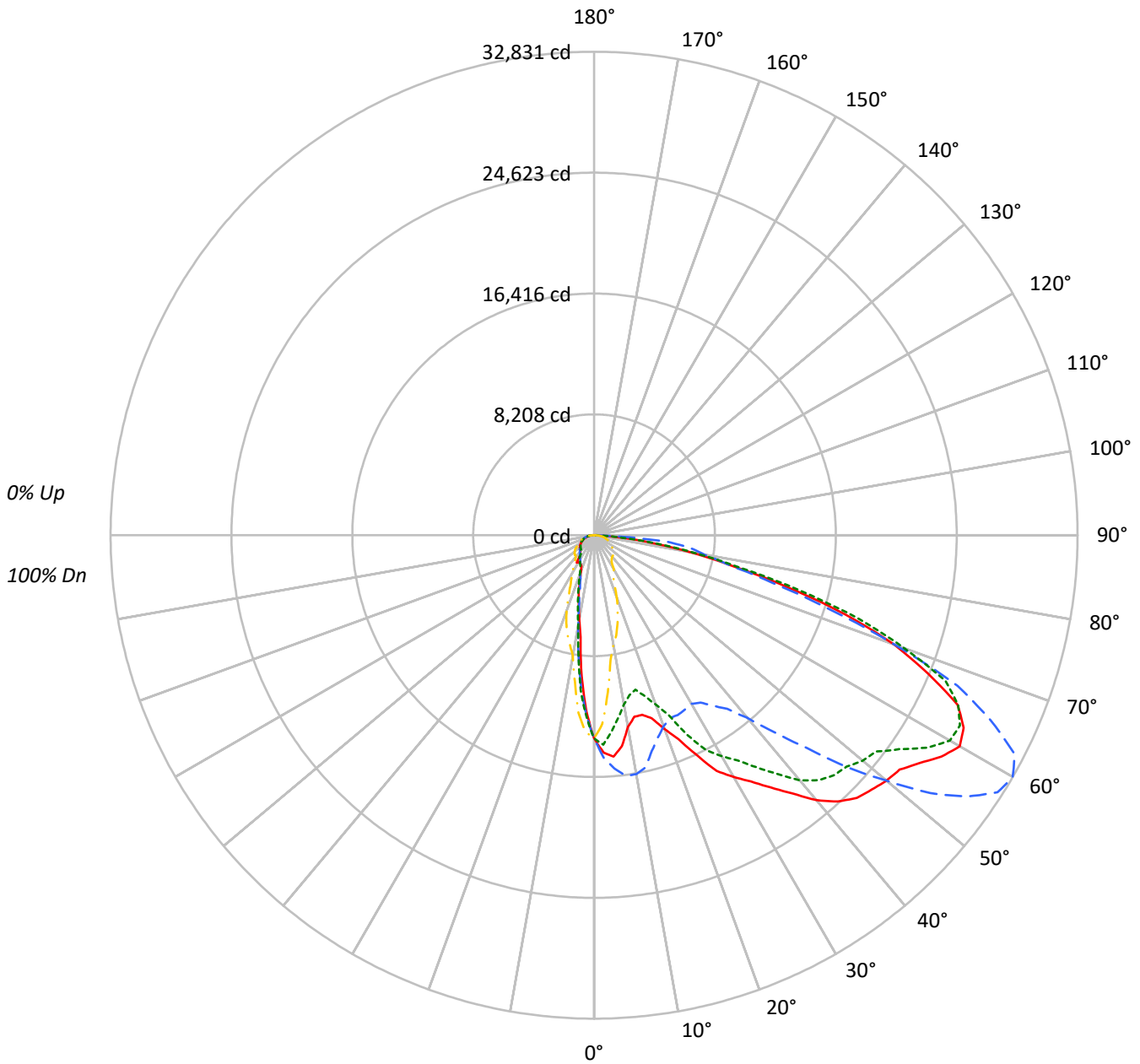
Lumens per Lamp: N/A
 Luminaire Lumens: 43179.9 lumens
 Efficiency: N/A
 Efficacy: 88.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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

TEST NUMBER: P598934
CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270° - · - 135°-315°

TEST NUMBER: P598934

CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

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°	74225	74225	74225	74225
5°	81545	72439	51949	56709
10°	72230	63750	31509	33812
15°	70333	60514	22306	23160
20°	80195	69992	14591	16127
25°	97709	88723	12740	13194
30°	117728	107611	13213	12261
35°	137302	126353	10949	10320
40°	164988	152608	10228	9689
45°	192007	175387	10351	9622
50°	216994	199351	10585	9944
55°	253063	237606	10963	10425
60°	308651	300198	10928	10928
65°	346870	347358	11221	11708
70°	340900	352957	11755	12057
75°	281205	299926	12348	13144
80°	203035	213130	13656	14248
85°	112368	120649	15376	18927

TEST NUMBER: P598934
 CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1071.4	2.5
10°-20°	2262.1	5.2
20°-30°	3309.7	7.7
30°-40°	4663.2	10.8
40°-50°	6408.6	14.8
50°-60°	8734.2	20.2
60°-70°	9559.2	22.1
70°-80°	5518.9	12.8
80°-90°	1652.7	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°	6643.2	15.4
0°-40°	11306.4	26.2
0°-60°	26449.2	61.3
0°-90°	43179.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	43179.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	13791	13791	13791	13791	13791	
5°	15094	13408	9616	10497	15094	1371
15°	12623	10861	4003	4157	12623	3688
25°	16454	14941	2145	2222	16454	7705
35°	20898	19231	1666	1571	20898	13251
45°	25227	23043	1360	1264	25227	19389
55°	26970	25323	1168	1111	26970	24335
65°	27238	27276	881	919	27238	26070
75°	13523	14424	594	632	13523	14527
85°	1820	1954	249	306	1820	2525
90°	0	0	0	0	0	

TEST NUMBER: P598934
 CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4
2.5°	14768.3	14710.8	14768.3	14979.0	15036.5	15132.2	15132.2	14998.2	14749.1	14634.2	14442.7
5°	15093.9	14998.2	15477.0	15917.6	16262.4	16224.1	15898.4	15630.3	15132.2	14385.2	13676.5
7.5°	14442.7	14538.4	14883.2	16032.5	16837.0	16990.3	16473.1	15936.7	14864.1	13829.7	12872.0
10°	13216.8	13350.9	14097.9	15285.5	16549.7	16798.7	16473.1	15821.8	14538.4	13255.1	12144.1
12.5°	12623.0	12929.4	13370.0	14806.6	15706.9	16300.7	16147.4	15726.0	14289.4	12776.2	11703.5
15°	12623.0	12699.6	13350.9	14557.6	15074.8	15093.9	15151.4	15228.0	14366.1	12986.9	11550.3
17.5°	13025.2	13235.9	13791.4	14538.4	14634.2	14404.4	14404.4	14730.0	14519.3	13580.7	12105.8
20°	14002.1	13925.5	14653.4	14959.9	14442.7	13868.0	13810.6	14366.1	14691.7	14212.8	13121.0
22.5°	14979.0	15323.8	15917.6	15228.0	14270.3	13504.1	13427.5	14117.0	15208.9	15304.6	14289.4
25°	16453.9	16798.7	17105.2	16262.4	14251.1	13408.3	13465.8	14002.1	15841.0	16856.2	16243.2
27.5°	18043.8	18254.5	18695.0	17392.5	14710.8	13293.4	13350.9	14155.4	16434.8	17871.4	17775.6
30°	18944.0	19173.9	19078.1	17603.2	15017.3	13370.0	13216.8	14366.1	16109.1	17871.4	18771.6
32.5°	19825.2	19691.1	19633.6	17948.0	15400.4	13848.9	13465.8	14806.6	16300.7	18158.7	20055.0
35°	20897.8	20706.3	20553.0	18618.4	16032.5	14308.6	14136.2	15381.3	16722.1	18752.5	21089.4
37.5°	22085.4	22085.4	21338.4	19116.4	16779.6	15055.6	14864.1	16204.9	17392.5	19116.4	22506.8
40°	23483.7	23541.2	22219.5	19786.8	17622.4	16243.2	16185.8	17277.6	18043.8	19652.8	23866.8
42.5°	24518.1	24556.4	22985.7	20035.9	18599.3	17890.5	18139.5	19001.5	18790.8	20131.6	23962.6
45°	25226.8	25035.2	23522.0	20744.6	19671.9	20361.5	20438.1	20687.1	19767.7	20419.0	24345.7
47.5°	25571.6	25533.3	23751.9	21568.2	21932.2	22870.8	23311.3	22966.5	20668.0	20112.5	24345.7
50°	25916.4	25590.7	23962.6	22698.4	24135.0	26031.3	25935.5	25303.4	21913.0	20495.6	23981.7
52.5°	26146.2	25858.9	24384.0	23713.6	26242.0	28387.3	28770.4	27602.0	23368.8	21204.3	24154.1
55°	26969.9	26740.0	25648.2	25092.7	28674.6	30877.4	30934.9	29306.7	24901.2	22372.7	25284.3
57.5°	27965.9	28100.0	27391.3	27046.5	30532.7	32697.1	32486.4	30571.0	26203.7	23790.2	26586.8
60°	28674.6	28885.3	28713.0	28751.3	31452.1	33310.1	32831.2	31356.3	27161.4	24862.9	28176.6
62.5°	28291.5	28713.0	29421.7	29268.4	31490.4	32869.5	32199.1	30322.0	27276.3	26261.1	29383.4
65°	27238.0	27276.3	28655.5	29498.3	29766.5	30590.1	29709.0	28157.5	26088.8	27123.1	29211.0
67.5°	24537.2	24843.7	26088.8	27736.1	26605.9	26797.5	26720.9	24479.8	24288.2	26529.3	27889.3
70°	21664.0	21874.7	23234.7	25169.3	22468.5	21568.2	21740.6	20074.2	20859.5	24690.5	25226.8
72.5°	17909.7	18043.8	19595.3	21300.1	18024.6	16415.6	16817.9	15457.9	16568.8	21606.5	21280.9
75°	13523.2	13772.3	14979.0	16990.3	13274.2	12239.9	12642.1	12086.6	13121.0	17794.8	16511.4
77.5°	9615.7	9424.1	10918.2	13293.4	9979.6	9366.7	9405.0	9500.8	10611.7	14998.2	11856.8
80°	6550.9	6608.4	7949.2	9749.8	7834.3	7738.5	7642.7	8408.9	8907.0	11875.9	8619.6
82.5°	3888.4	3888.4	5363.3	6934.0	6187.0	6972.3	6531.8	7221.3	6972.3	8734.6	5650.6
85°	1819.7	1819.7	2758.3	4999.4	4788.7	5746.4	4884.5	5459.1	5152.6	6091.2	2547.6
87.5°	306.5	268.2	555.5	2451.8	1972.9	2241.1	881.1	2911.5	3237.2	4252.4	632.1
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: P598934
 CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4
2.5°	14232.0	14097.9	13829.7	13484.9	13197.6	12833.7	12718.7	12469.7	12124.9	12086.6	11933.4
5°	13408.3	12948.6	12374.0	11665.2	11186.4	10688.3	10266.9	10017.9	9730.6	9692.3	9615.7
7.5°	12508.0	11933.4	10975.7	10132.9	9309.2	8523.9	8140.8	7661.9	7336.3	7087.3	6972.3
10°	11665.2	11128.9	9941.3	8792.0	8064.1	7547.0	7087.3	6589.2	6187.0	5880.5	5765.6
12.5°	11109.7	10477.6	9194.3	8102.5	7566.1	6972.3	6455.1	5918.8	5401.6	4999.4	4788.7
15°	10860.7	10266.9	8964.4	7757.7	6972.3	6148.7	5554.9	5018.5	4386.4	4099.1	4003.3
17.5°	11454.5	10573.4	8887.8	7355.4	6244.4	5305.9	4578.0	4003.3	3543.6	3256.3	3141.4
20°	12220.7	11128.9	9021.9	6876.6	5554.9	4501.4	3696.9	3083.9	2777.4	2566.7	2547.6
22.5°	13197.6	11952.6	9232.6	6531.8	4788.7	3620.2	2892.4	2528.4	2317.7	2298.6	2260.3
25°	14940.7	13446.6	9577.4	6072.1	4175.7	2988.1	2471.0	2260.3	2164.5	2107.0	2145.3
27.5°	16434.8	14423.5	9826.4	5784.7	3926.7	2815.7	2394.3	2164.5	2068.7	2049.6	2068.7
30°	17315.9	15323.8	9749.8	5248.4	3428.7	2681.7	2547.6	2471.0	2279.4	2126.2	2126.2
32.5°	18120.4	15898.4	9730.6	4769.5	2930.7	2241.1	2126.2	2068.7	2183.6	2260.3	2202.8
35°	19231.4	16798.7	9673.1	4501.4	2720.0	2068.7	1877.2	1723.9	1647.3	1609.0	1666.5
37.5°	20419.0	17411.7	9519.9	4463.1	2605.0	1972.9	1819.7	1666.5	1589.8	1551.5	1532.4
40°	21721.5	18062.9	9347.5	4271.5	2547.6	1915.5	1762.2	1628.2	1532.4	1474.9	1455.8
42.5°	22564.3	18580.1	9175.1	4175.7	2432.7	1877.2	1704.8	1589.8	1494.1	1417.5	1417.5
45°	23043.2	19193.0	9002.7	4080.0	2298.6	1896.3	1704.8	1551.5	1436.6	1398.3	1360.0
47.5°	23253.9	19652.8	8945.3	3926.7	2183.6	1819.7	1666.5	1513.2	1398.3	1321.7	1302.5
50°	23809.3	20629.7	9156.0	3811.8	2049.6	1743.1	1762.2	1494.1	1379.1	1283.4	1264.2
52.5°	24135.0	21415.0	9615.7	3639.4	1953.8	1647.3	1723.9	1455.8	1321.7	1225.9	1225.9
55°	25322.6	22717.5	10113.7	3505.3	1838.9	1513.2	1589.8	1379.1	1225.9	1168.4	1168.4
57.5°	26835.8	24096.7	10535.1	3447.9	1762.2	1417.5	1417.5	1340.8	1168.4	1091.8	1072.7
60°	27889.3	25226.8	10784.1	3409.5	1685.6	1321.7	1264.2	1340.8	1111.0	1034.4	1015.2
62.5°	28004.2	24575.5	10535.1	3390.4	1666.5	1225.9	1149.3	1283.4	1053.5	976.9	938.6
65°	27276.3	23253.9	9845.5	3313.8	1647.3	1130.1	1072.7	1111.0	976.9	919.4	881.1
67.5°	25820.6	21108.5	8849.5	3275.5	1628.2	1053.5	976.9	957.7	900.3	842.8	804.5
70°	22430.2	18311.9	7681.1	3103.1	1589.8	996.0	881.1	862.0	804.5	766.2	747.0
72.5°	18829.1	14979.0	6340.2	2873.2	1513.2	900.3	804.5	766.2	747.0	689.6	670.4
75°	14423.5	11531.2	5076.0	2547.6	1321.7	804.5	708.7	670.4	651.3	613.0	593.8
77.5°	10132.9	8581.3	3754.3	2068.7	1111.0	727.9	632.1	593.8	574.6	517.2	517.2
80°	6876.6	6014.6	2547.6	1436.6	862.0	593.8	555.5	517.2	478.9	440.6	440.6
82.5°	4271.5	4214.0	1838.9	938.6	632.1	478.9	440.6	440.6	383.1	344.8	344.8
85°	1953.8	2585.9	1283.4	651.3	478.9	363.9	363.9	344.8	306.5	249.0	249.0
87.5°	613.0	862.0	670.4	287.3	268.2	210.7	210.7	191.5	191.5	153.2	153.2
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: P598934
 CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4
2.5°	12086.6	12067.5	12067.5	11990.9	12182.4	12182.4	12297.3	12201.6	12259.0	12278.2	12431.4
5°	9596.5	9749.8	9864.7	10094.5	10228.6	10286.1	10286.1	10439.3	10381.9	10496.8	10726.7
7.5°	7029.8	7221.3	7566.1	7853.4	8083.3	8159.9	8140.8	8179.1	8236.5	8102.5	8140.8
10°	5689.0	5554.9	5669.8	5938.0	6148.7	6397.7	6206.1	6187.0	6244.4	6187.0	6301.9
12.5°	4750.4	4597.1	4501.4	4501.4	4654.6	4769.5	4712.1	4807.8	5018.5	5076.0	5210.1
15°	3850.1	3716.0	3639.4	3543.6	3696.9	3735.2	3792.6	3926.7	4080.0	4156.6	4309.8
17.5°	3083.9	3083.9	3083.9	3007.3	3064.8	3122.2	3141.4	3313.8	3332.9	3409.5	3467.0
20°	2528.4	2585.9	2681.7	2720.0	2777.4	2777.4	2739.1	2834.9	2758.3	2815.7	2854.1
22.5°	2279.4	2356.0	2394.3	2413.5	2490.1	2509.3	2413.5	2432.7	2451.8	2394.3	2413.5
25°	2145.3	2183.6	2145.3	2164.5	2183.6	2145.3	2164.5	2202.8	2183.6	2221.9	2202.8
27.5°	2087.9	2049.6	2030.4	2011.2	2011.2	1972.9	1992.1	1992.1	2030.4	2049.6	2049.6
30°	2087.9	2030.4	1953.8	1896.3	1896.3	1838.9	1877.2	1915.5	1934.6	1972.9	1972.9
32.5°	2145.3	2030.4	1896.3	1838.9	1781.4	1743.1	1781.4	1838.9	1915.5	1934.6	1953.8
35°	1704.8	1762.2	1743.1	1666.5	1647.3	1647.3	1628.2	1628.2	1570.7	1570.7	1551.5
37.5°	1532.4	1513.2	1551.5	1570.7	1589.8	1532.4	1532.4	1455.8	1436.6	1455.8	1455.8
40°	1436.6	1436.6	1436.6	1494.1	1513.2	1474.9	1417.5	1379.1	1379.1	1379.1	1398.3
42.5°	1398.3	1360.0	1340.8	1379.1	1436.6	1398.3	1340.8	1321.7	1321.7	1340.8	1340.8
45°	1340.8	1321.7	1302.5	1283.4	1360.0	1302.5	1283.4	1264.2	1264.2	1264.2	1283.4
47.5°	1283.4	1264.2	1225.9	1225.9	1245.1	1225.9	1206.7	1206.7	1206.7	1245.1	1245.1
50°	1245.1	1225.9	1187.6	1187.6	1187.6	1187.6	1168.4	1168.4	1168.4	1187.6	1206.7
52.5°	1187.6	1168.4	1149.3	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1149.3	1168.4
55°	1130.1	1111.0	1091.8	1091.8	1111.0	1111.0	1091.8	1111.0	1091.8	1111.0	1130.1
57.5°	1072.7	1053.5	1034.4	1053.5	1072.7	1053.5	1053.5	1053.5	1053.5	1053.5	1072.7
60°	996.0	996.0	996.0	996.0	1034.4	1034.4	1034.4	1034.4	996.0	1015.2	1034.4
62.5°	957.7	938.6	938.6	957.7	976.9	976.9	996.0	976.9	957.7	976.9	976.9
65°	881.1	881.1	881.1	900.3	900.3	919.4	919.4	919.4	900.3	919.4	919.4
67.5°	823.7	823.7	823.7	823.7	862.0	862.0	862.0	862.0	842.8	842.8	862.0
70°	727.9	747.0	727.9	766.2	804.5	785.3	804.5	804.5	785.3	766.2	804.5
72.5°	670.4	670.4	670.4	670.4	727.9	727.9	727.9	747.0	727.9	708.7	727.9
75°	593.8	593.8	593.8	613.0	651.3	651.3	651.3	651.3	651.3	632.1	632.1
77.5°	517.2	536.3	517.2	536.3	574.6	555.5	574.6	593.8	574.6	555.5	555.5
80°	440.6	440.6	440.6	459.7	478.9	478.9	478.9	498.0	478.9	459.7	459.7
82.5°	344.8	344.8	363.9	363.9	383.1	383.1	383.1	402.2	383.1	363.9	363.9
85°	268.2	268.2	268.2	287.3	287.3	306.5	306.5	325.6	325.6	306.5	306.5
87.5°	172.4	153.2	172.4	172.4	191.5	191.5	172.4	153.2	172.4	153.2	134.1
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: P598934
 CATALOG NUMBER: IFLD-L-SA8D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4	13791.4
2.5°	12584.7	12929.4	13178.5	13350.9	13599.9	14078.7	14270.3	14615.1	14710.8	14768.3
5°	10822.4	11186.4	11722.7	12105.8	12546.4	13446.6	14136.2	14653.4	14883.2	15093.9
7.5°	8485.5	8964.4	9519.9	10017.9	10745.8	11856.8	12757.1	13829.7	14232.0	14442.7
10°	6627.5	7068.1	7681.1	8294.0	9309.2	10247.8	11531.2	12508.0	13063.5	13216.8
12.5°	5593.2	6110.4	6838.2	7585.3	8217.4	9290.0	10592.6	12010.0	12527.2	12623.0
15°	4750.4	5459.1	6206.1	6972.3	7700.2	8638.8	10037.1	11761.0	12527.2	12623.0
17.5°	3926.7	4558.8	5439.9	6263.6	7106.4	8389.8	10132.9	11971.7	12737.9	13025.2
20°	3122.2	3735.2	4424.7	5459.1	6608.4	7968.4	10343.6	12680.4	13695.6	14002.1
22.5°	2585.9	2854.1	3524.5	4520.5	5880.5	7681.1	10554.3	13791.4	14864.1	14979.0
25°	2260.3	2451.8	2873.2	3811.8	5305.9	7489.5	11052.3	15074.8	16453.9	16453.9
27.5°	2107.0	2183.6	2471.0	3313.8	4903.6	7317.1	11550.3	16492.2	17775.6	18043.8
30°	2068.7	2260.3	2413.5	2949.8	4463.1	6838.2	12010.0	17603.2	18924.9	18944.0
32.5°	2030.4	1992.1	2107.0	2566.7	3926.7	6340.2	12393.1	18733.3	19767.7	19825.2
35°	1589.8	1666.5	1858.0	2260.3	3524.5	5976.3	12584.7	19346.3	20840.4	20897.8
37.5°	1494.1	1589.8	1743.1	2087.9	3256.3	5669.8	12642.1	20533.9	21970.5	22085.4
40°	1455.8	1532.4	1647.3	1934.6	3045.6	5286.7	12757.1	21759.8	23636.9	23483.7
42.5°	1379.1	1474.9	1589.8	1858.0	2873.2	4999.4	12776.2	22430.2	24518.1	24518.1
45°	1360.0	1417.5	1551.5	1858.0	2681.7	4750.4	12469.7	23100.6	25533.3	25226.8
47.5°	1283.4	1398.3	1513.2	1800.5	2451.8	4501.4	12105.8	23445.4	25667.3	25571.6
50°	1264.2	1379.1	1570.7	1704.8	2317.7	4386.4	12029.2	24307.4	25935.5	25916.4
52.5°	1225.9	1340.8	1628.2	1628.2	2145.3	4233.2	12393.1	24690.5	25993.0	26146.2
55°	1168.4	1340.8	1513.2	1494.1	1992.1	4041.6	12795.4	25686.5	27008.2	26969.9
57.5°	1130.1	1302.5	1436.6	1360.0	1819.7	3907.6	13389.2	26644.2	28234.1	27965.9
60°	1072.7	1302.5	1283.4	1264.2	1685.6	3792.6	13887.2	26835.8	28502.3	28674.6
62.5°	1034.4	1360.0	1130.1	1168.4	1570.7	3735.2	13676.5	25399.2	28138.3	28291.5
65°	996.0	1168.4	1034.4	1072.7	1532.4	3620.2	12852.8	23675.3	26567.6	27238.0
67.5°	919.4	957.7	957.7	996.0	1494.1	3352.1	11167.2	20572.2	24173.3	24537.2
70°	842.8	862.0	862.0	919.4	1455.8	3045.6	9213.4	17794.8	20974.4	21664.0
72.5°	766.2	766.2	766.2	842.8	1340.8	2796.6	7585.3	13676.5	17430.8	17909.7
75°	670.4	670.4	670.4	747.0	1206.7	2547.6	5976.3	10171.2	12833.7	13523.2
77.5°	593.8	593.8	574.6	670.4	1053.5	2068.7	4309.8	7183.0	9041.0	9615.7
80°	498.0	478.9	478.9	536.3	823.7	1494.1	2777.4	5076.0	6301.9	6550.9
82.5°	402.2	383.1	363.9	402.2	593.8	938.6	1723.9	3543.6	4041.6	3888.4
85°	383.1	402.2	325.6	306.5	421.4	613.0	1091.8	2183.6	1819.7	1819.7
87.5°	153.2	134.1	134.1	114.9	210.7	229.9	478.9	402.2	306.5	306.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)