

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: P598897

Luminaire Tested: **IFLD-L-SA7A-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598897
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

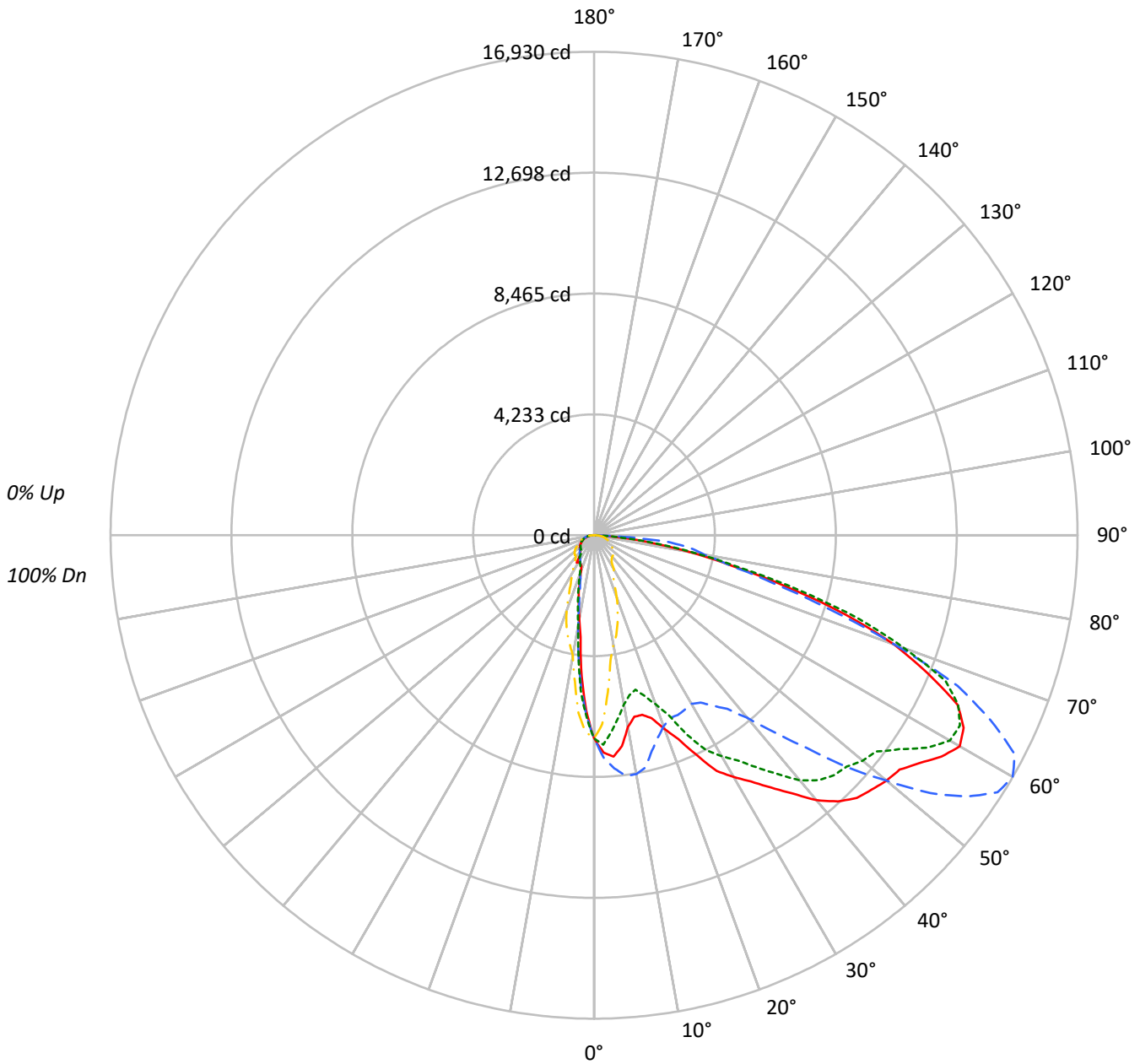
Lumens per Lamp: N/A
 Luminaire Lumens: 22265.9 lumens
 Efficiency: N/A
 Efficacy: 102.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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	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°	38274	38274	38274	38274
5°	42049	37354	26788	29242
10°	37245	32873	16247	17435
15°	36267	31204	11502	11943
20°	41353	36092	7524	8316
25°	50384	45750	6570	6804
30°	60707	55490	6814	6323
35°	70801	65155	5646	5321
40°	85077	78693	5274	4997
45°	99009	90439	5338	4962
50°	111894	102797	5458	5128
55°	130493	122522	5653	5376
60°	159157	154799	5635	5635
65°	178865	179117	5787	6038
70°	175788	182005	6061	6217
75°	145005	154660	6367	6777
80°	104696	109900	7042	7349
85°	57941	62214	7929	9757

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.5	2.5
10°-20°	1166.5	5.2
20°-30°	1706.7	7.7
30°-40°	2404.6	10.8
40°-50°	3304.6	14.8
50°-60°	4503.8	20.2
60°-70°	4929.2	22.1
70°-80°	2845.8	12.8
80°-90°	852.2	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°	3425.6	15.4
0°-40°	5830.2	26.2
0°-60°	13638.7	61.3
0°-90°	22265.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22265.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7112	7112	7112	7112	7112	
5°	7783	6914	4958	5413	7783	707
15°	6509	5600	2064	2143	6509	1902
25°	8485	7704	1106	1146	8485	3973
35°	10776	9917	859	810	10776	6833
45°	13008	11882	701	652	13008	9998
55°	13907	13058	602	573	13907	12548
65°	14045	14065	454	474	14045	13443
75°	6973	7438	306	326	6973	7491
85°	938	1008	128	158	938	1302
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°	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6
2.5°	7615.4	7585.7	7615.4	7724.0	7753.6	7803.0	7803.0	7733.9	7605.5	7546.2	7447.4
5°	7783.3	7733.9	7980.8	8208.0	8385.8	8366.0	8198.1	8059.8	7803.0	7417.8	7052.4
7.5°	7447.4	7496.8	7674.6	8267.3	8682.1	8761.1	8494.4	8217.9	7664.7	7131.4	6637.5
10°	6815.3	6884.4	7269.7	7882.0	8533.9	8662.3	8494.4	8158.6	7496.8	6835.1	6262.2
12.5°	6509.1	6667.1	6894.3	7635.1	8099.3	8405.5	8326.5	8109.2	7368.4	6588.1	6035.0
15°	6509.1	6548.6	6884.4	7506.7	7773.4	7783.3	7812.9	7852.4	7407.9	6696.8	5956.0
17.5°	6716.5	6825.2	7111.6	7496.8	7546.2	7427.7	7427.7	7595.6	7486.9	7003.0	6242.4
20°	7220.3	7180.8	7556.1	7714.1	7447.4	7151.1	7121.5	7407.9	7575.8	7328.9	6765.9
22.5°	7724.0	7901.8	8208.0	7852.4	7358.5	6963.5	6923.9	7279.5	7842.5	7891.9	7368.4
25°	8484.6	8662.3	8820.4	8385.8	7348.7	6914.1	6943.7	7220.3	8168.5	8692.0	8375.9
27.5°	9304.4	9413.0	9640.2	8968.5	7585.7	6854.8	6884.4	7299.3	8474.7	9215.5	9166.1
30°	9768.6	9887.1	9837.7	9077.2	7743.8	6894.3	6815.3	7407.9	8306.8	9215.5	9679.7
32.5°	10222.9	10153.8	10124.2	9255.0	7941.3	7141.2	6943.7	7635.1	8405.5	9363.6	10341.5
35°	10776.1	10677.3	10598.3	9600.7	8267.3	7378.3	7289.4	7931.4	8622.8	9669.8	10874.8
37.5°	11388.5	11388.5	11003.2	9857.5	8652.5	7763.5	7664.7	8356.1	8968.5	9857.5	11605.8
40°	12109.5	12139.1	11457.6	10203.2	9087.1	8375.9	8346.3	8909.3	9304.4	10134.1	12307.0
42.5°	12642.9	12662.6	11852.7	10331.6	9590.8	9225.3	9353.7	9798.2	9689.6	10381.0	12356.4
45°	13008.3	12909.6	12129.3	10697.1	10143.9	10499.5	10539.0	10667.4	10193.3	10529.1	12554.0
47.5°	13186.1	13166.4	12247.8	11121.8	11309.4	11793.4	12020.6	11842.8	10657.5	10371.1	12554.0
50°	13363.9	13196.0	12356.4	11704.5	12445.3	13423.2	13373.8	13047.8	11299.6	10568.6	12366.3
52.5°	13482.4	13334.3	12573.7	12228.0	13531.8	14638.1	14835.6	14233.1	12050.2	10934.1	12455.2
55°	13907.2	13788.6	13225.6	12939.2	14786.2	15922.1	15951.7	15112.2	12840.4	11536.6	13038.0
57.5°	14420.8	14489.9	14124.5	13946.7	15744.3	16860.5	16751.8	15764.1	13512.1	12267.5	13709.6
60°	14786.2	14894.9	14806.0	14825.7	16218.4	17176.5	16929.6	16169.0	14005.9	12820.7	14529.4
62.5°	14588.7	14806.0	15171.4	15092.4	16238.2	16949.3	16603.6	15635.7	14065.2	13541.7	15151.7
65°	14045.4	14065.2	14776.4	15211.0	15349.2	15774.0	15319.6	14519.5	13452.8	13986.2	15062.8
67.5°	12652.7	12810.8	13452.8	14302.2	13719.5	13818.3	13778.8	12623.1	12524.3	13680.0	14381.3
70°	11171.2	11279.8	11981.1	12978.7	11586.0	11121.8	11210.7	10351.3	10756.3	12731.8	13008.3
72.5°	9235.2	9304.4	10104.4	10983.5	9294.5	8464.8	8672.2	7970.9	8543.8	11141.5	10973.6
75°	6973.3	7101.7	7724.0	8761.1	6844.9	6311.6	6519.0	6232.5	6765.9	9176.0	8514.2
77.5°	4958.4	4859.6	5630.0	6854.8	5146.0	4830.0	4849.7	4899.1	5472.0	7733.9	6114.0
80°	3378.0	3407.6	4099.1	5027.5	4039.8	3990.4	3941.0	4336.1	4592.9	6123.9	4444.8
82.5°	2005.1	2005.1	2765.6	3575.6	3190.3	3595.3	3368.1	3723.7	3595.3	4504.0	2913.8
85°	938.3	938.3	1422.3	2578.0	2469.3	2963.2	2518.7	2815.0	2657.0	3141.0	1313.7
87.5°	158.0	138.3	286.4	1264.3	1017.4	1155.6	454.4	1501.3	1669.3	2192.7	325.9
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°	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6
2.5°	7338.8	7269.7	7131.4	6953.6	6805.4	6617.8	6558.5	6430.1	6252.3	6232.5	6153.5
5°	6914.1	6677.0	6380.7	6015.2	5768.3	5511.5	5294.2	5165.8	5017.6	4997.9	4958.4
7.5°	6449.8	6153.5	5659.7	5225.1	4800.3	4395.4	4197.8	3950.9	3783.0	3654.6	3595.3
10°	6015.2	5738.7	5126.3	4533.7	4158.3	3891.6	3654.6	3397.8	3190.3	3032.3	2973.0
12.5°	5728.8	5402.9	4741.1	4178.1	3901.5	3595.3	3328.6	3052.1	2785.4	2578.0	2469.3
15°	5600.4	5294.2	4622.5	4000.3	3595.3	3170.6	2864.4	2587.8	2261.9	2113.7	2064.3
17.5°	5906.6	5452.2	4583.0	3792.9	3220.0	2736.0	2360.7	2064.3	1827.3	1679.1	1619.9
20°	6301.7	5738.7	4652.2	3545.9	2864.4	2321.2	1906.3	1590.2	1432.2	1323.6	1313.7
22.5°	6805.4	6163.4	4760.8	3368.1	2469.3	1866.8	1491.5	1303.8	1195.1	1185.3	1165.5
25°	7704.2	6933.8	4938.6	3131.1	2153.2	1540.8	1274.2	1165.5	1116.1	1086.5	1106.3
27.5°	8474.7	7437.6	5067.0	2982.9	2024.8	1452.0	1234.7	1116.1	1066.7	1056.9	1066.7
30°	8929.0	7901.8	5027.5	2706.4	1768.0	1382.8	1313.7	1274.2	1175.4	1096.4	1096.4
32.5°	9343.9	8198.1	5017.6	2459.4	1511.2	1155.6	1096.4	1066.7	1126.0	1165.5	1135.9
35°	9916.8	8662.3	4988.0	2321.2	1402.6	1066.7	968.0	889.0	849.4	829.7	859.3
37.5°	10529.1	8978.4	4909.0	2301.4	1343.3	1017.4	938.3	859.3	819.8	800.1	790.2
40°	11200.8	9314.2	4820.1	2202.6	1313.7	987.7	908.7	839.6	790.2	760.5	750.7
42.5°	11635.4	9580.9	4731.2	2153.2	1254.4	968.0	879.1	819.8	770.4	730.9	730.9
45°	11882.3	9897.0	4642.3	2103.9	1185.3	977.8	879.1	800.1	740.8	721.0	701.3
47.5°	11991.0	10134.1	4612.7	2024.8	1126.0	938.3	859.3	780.3	721.0	681.5	671.7
50°	12277.4	10637.8	4721.3	1965.6	1056.9	898.8	908.7	770.4	711.2	661.8	651.9
52.5°	12445.3	11042.8	4958.4	1876.7	1007.5	849.4	889.0	750.7	681.5	632.1	632.1
55°	13057.7	11714.4	5215.2	1807.5	948.2	780.3	819.8	711.2	632.1	602.5	602.5
57.5°	13838.0	12425.6	5432.5	1777.9	908.7	730.9	730.9	691.4	602.5	563.0	553.1
60°	14381.3	13008.3	5560.9	1758.1	869.2	681.5	651.9	691.4	572.9	533.4	523.5
62.5°	14440.5	12672.5	5432.5	1748.3	859.3	632.1	592.6	661.8	543.2	503.7	484.0
65°	14065.2	11991.0	5076.9	1708.8	849.4	582.8	553.1	572.9	503.7	474.1	454.4
67.5°	13314.5	10884.7	4563.3	1689.0	839.6	543.2	503.7	493.9	464.2	434.6	414.8
70°	11566.3	9442.6	3960.8	1600.1	819.8	513.6	454.4	444.5	414.8	395.1	385.2
72.5°	9709.3	7724.0	3269.4	1481.6	780.3	464.2	414.8	395.1	385.2	355.6	345.7
75°	7437.6	5946.1	2617.5	1313.7	681.5	414.8	365.5	345.7	335.8	316.1	306.2
77.5°	5225.1	4425.0	1935.9	1066.7	572.9	375.3	325.9	306.2	296.3	266.7	266.7
80°	3545.9	3101.5	1313.7	740.8	444.5	306.2	286.4	266.7	246.9	227.2	227.2
82.5°	2202.6	2173.0	948.2	484.0	325.9	246.9	227.2	227.2	197.5	177.8	177.8
85°	1007.5	1333.4	661.8	335.8	246.9	187.7	187.7	177.8	158.0	128.4	128.4
87.5°	316.1	444.5	345.7	148.2	138.3	108.6	108.6	98.8	98.8	79.0	79.0
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°	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6
2.5°	6232.5	6222.7	6222.7	6183.2	6281.9	6281.9	6341.2	6291.8	6321.4	6331.3	6410.3
5°	4948.5	5027.5	5086.8	5205.3	5274.4	5304.1	5304.1	5383.1	5353.5	5412.7	5531.3
7.5°	3624.9	3723.7	3901.5	4049.7	4168.2	4207.7	4197.8	4217.6	4247.2	4178.1	4197.8
10°	2933.5	2864.4	2923.7	3061.9	3170.6	3299.0	3200.2	3190.3	3220.0	3190.3	3249.6
12.5°	2449.6	2370.5	2321.2	2321.2	2400.2	2459.4	2429.8	2479.2	2587.8	2617.5	2686.6
15°	1985.3	1916.2	1876.7	1827.3	1906.3	1926.1	1955.7	2024.8	2103.9	2143.4	2222.4
17.5°	1590.2	1590.2	1590.2	1550.7	1580.4	1610.0	1619.9	1708.8	1718.6	1758.1	1787.8
20°	1303.8	1333.4	1382.8	1402.6	1432.2	1432.2	1412.4	1461.8	1422.3	1452.0	1471.7
22.5°	1175.4	1214.9	1234.7	1244.5	1284.0	1293.9	1244.5	1254.4	1264.3	1234.7	1244.5
25°	1106.3	1126.0	1106.3	1116.1	1126.0	1106.3	1116.1	1135.9	1126.0	1145.8	1135.9
27.5°	1076.6	1056.9	1047.0	1037.1	1037.1	1017.4	1027.2	1027.2	1047.0	1056.9	1056.9
30°	1076.6	1047.0	1007.5	977.8	977.8	948.2	968.0	987.7	997.6	1017.4	1017.4
32.5°	1106.3	1047.0	977.8	948.2	918.6	898.8	918.6	948.2	987.7	997.6	1007.5
35°	879.1	908.7	898.8	859.3	849.4	849.4	839.6	839.6	809.9	809.9	800.1
37.5°	790.2	780.3	800.1	809.9	819.8	790.2	790.2	750.7	740.8	750.7	750.7
40°	740.8	740.8	740.8	770.4	780.3	760.5	730.9	711.2	711.2	711.2	721.0
42.5°	721.0	701.3	691.4	711.2	740.8	721.0	691.4	681.5	681.5	691.4	691.4
45°	691.4	681.5	671.7	661.8	701.3	671.7	661.8	651.9	651.9	651.9	661.8
47.5°	661.8	651.9	632.1	632.1	642.0	632.1	622.3	622.3	622.3	642.0	642.0
50°	642.0	632.1	612.4	612.4	612.4	612.4	602.5	602.5	602.5	612.4	622.3
52.5°	612.4	602.5	592.6	582.8	582.8	582.8	582.8	582.8	582.8	592.6	602.5
55°	582.8	572.9	563.0	563.0	572.9	572.9	563.0	572.9	563.0	572.9	582.8
57.5°	553.1	543.2	533.4	543.2	553.1	543.2	543.2	543.2	543.2	543.2	553.1
60°	513.6	513.6	513.6	513.6	533.4	533.4	533.4	533.4	513.6	523.5	533.4
62.5°	493.9	484.0	484.0	493.9	503.7	503.7	513.6	503.7	493.9	503.7	503.7
65°	454.4	454.4	454.4	464.2	464.2	474.1	474.1	474.1	464.2	474.1	474.1
67.5°	424.7	424.7	424.7	424.7	444.5	444.5	444.5	444.5	434.6	434.6	444.5
70°	375.3	385.2	375.3	395.1	414.8	405.0	414.8	414.8	405.0	395.1	414.8
72.5°	345.7	345.7	345.7	345.7	375.3	375.3	375.3	385.2	375.3	365.5	375.3
75°	306.2	306.2	306.2	316.1	335.8	335.8	335.8	335.8	335.8	325.9	325.9
77.5°	266.7	276.6	266.7	276.6	296.3	286.4	296.3	306.2	296.3	286.4	286.4
80°	227.2	227.2	227.2	237.1	246.9	246.9	246.9	256.8	246.9	237.1	237.1
82.5°	177.8	177.8	187.7	187.7	197.5	197.5	197.5	207.4	197.5	187.7	187.7
85°	138.3	138.3	138.3	148.2	148.2	158.0	158.0	167.9	167.9	158.0	158.0
87.5°	88.9	79.0	88.9	88.9	98.8	98.8	88.9	79.0	88.9	79.0	69.1
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: P598897
 CATALOG NUMBER: IFLD-L-SA7A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6	7111.6
2.5°	6489.3	6667.1	6795.5	6884.4	7012.8	7259.8	7358.5	7536.3	7585.7	7615.4
5°	5580.6	5768.3	6044.9	6242.4	6469.6	6933.8	7289.4	7556.1	7674.6	7783.3
7.5°	4375.6	4622.5	4909.0	5165.8	5541.1	6114.0	6578.2	7131.4	7338.8	7447.4
10°	3417.5	3644.7	3960.8	4276.8	4800.3	5284.3	5946.1	6449.8	6736.3	6815.3
12.5°	2884.2	3150.8	3526.2	3911.4	4237.3	4790.5	5462.1	6193.0	6459.7	6509.1
15°	2449.6	2815.0	3200.2	3595.3	3970.7	4454.6	5175.7	6064.6	6459.7	6509.1
17.5°	2024.8	2350.8	2805.1	3229.9	3664.5	4326.2	5225.1	6173.3	6568.4	6716.5
20°	1610.0	1926.1	2281.6	2815.0	3407.6	4108.9	5333.7	6538.7	7062.2	7220.3
22.5°	1333.4	1471.7	1817.4	2331.0	3032.3	3960.8	5442.4	7111.6	7664.7	7724.0
25°	1165.5	1264.3	1481.6	1965.6	2736.0	3862.0	5699.2	7773.4	8484.6	8484.6
27.5°	1086.5	1126.0	1274.2	1708.8	2528.6	3773.1	5956.0	8504.3	9166.1	9304.4
30°	1066.7	1165.5	1244.5	1521.1	2301.4	3526.2	6193.0	9077.2	9758.7	9768.6
32.5°	1047.0	1027.2	1086.5	1323.6	2024.8	3269.4	6390.6	9659.9	10193.3	10222.9
35°	819.8	859.3	958.1	1165.5	1817.4	3081.7	6489.3	9976.0	10746.4	10776.1
37.5°	770.4	819.8	898.8	1076.6	1679.1	2923.7	6519.0	10588.4	11329.2	11388.5
40°	750.7	790.2	849.4	997.6	1570.5	2726.1	6578.2	11220.5	12188.5	12109.5
42.5°	711.2	760.5	819.8	958.1	1481.6	2578.0	6588.1	11566.3	12642.9	12642.9
45°	701.3	730.9	800.1	958.1	1382.8	2449.6	6430.1	11912.0	13166.4	13008.3
47.5°	661.8	721.0	780.3	928.5	1264.3	2321.2	6242.4	12089.7	13235.5	13186.1
50°	651.9	711.2	809.9	879.1	1195.1	2261.9	6202.9	12534.2	13373.8	13363.9
52.5°	632.1	691.4	839.6	839.6	1106.3	2182.9	6390.6	12731.8	13403.4	13482.4
55°	602.5	691.4	780.3	770.4	1027.2	2084.1	6598.0	13245.4	13926.9	13907.2
57.5°	582.8	671.7	740.8	701.3	938.3	2015.0	6904.2	13739.2	14559.1	14420.8
60°	553.1	671.7	661.8	651.9	869.2	1955.7	7161.0	13838.0	14697.3	14786.2
62.5°	533.4	701.3	582.8	602.5	809.9	1926.1	7052.4	13097.2	14509.7	14588.7
65°	513.6	602.5	533.4	553.1	790.2	1866.8	6627.6	12208.3	13699.7	14045.4
67.5°	474.1	493.9	493.9	513.6	770.4	1728.5	5758.4	10608.2	12465.1	12652.7
70°	434.6	444.5	444.5	474.1	750.7	1570.5	4751.0	9176.0	10815.6	11171.2
72.5°	395.1	395.1	395.1	434.6	691.4	1442.1	3911.4	7052.4	8988.3	9235.2
75°	345.7	345.7	345.7	385.2	622.3	1313.7	3081.7	5244.8	6617.8	6973.3
77.5°	306.2	306.2	296.3	345.7	543.2	1066.7	2222.4	3704.0	4662.1	4958.4
80°	256.8	246.9	246.9	276.6	424.7	770.4	1432.2	2617.5	3249.6	3378.0
82.5°	207.4	197.5	187.7	207.4	306.2	484.0	889.0	1827.3	2084.1	2005.1
85°	197.5	207.4	167.9	158.0	217.3	316.1	563.0	1126.0	938.3	938.3
87.5°	79.0	69.1	69.1	59.3	108.6	118.5	246.9	207.4	158.0	158.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)