

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: P598956

Luminaire Tested: **IFLD-L-SA7B-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: P598956
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-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

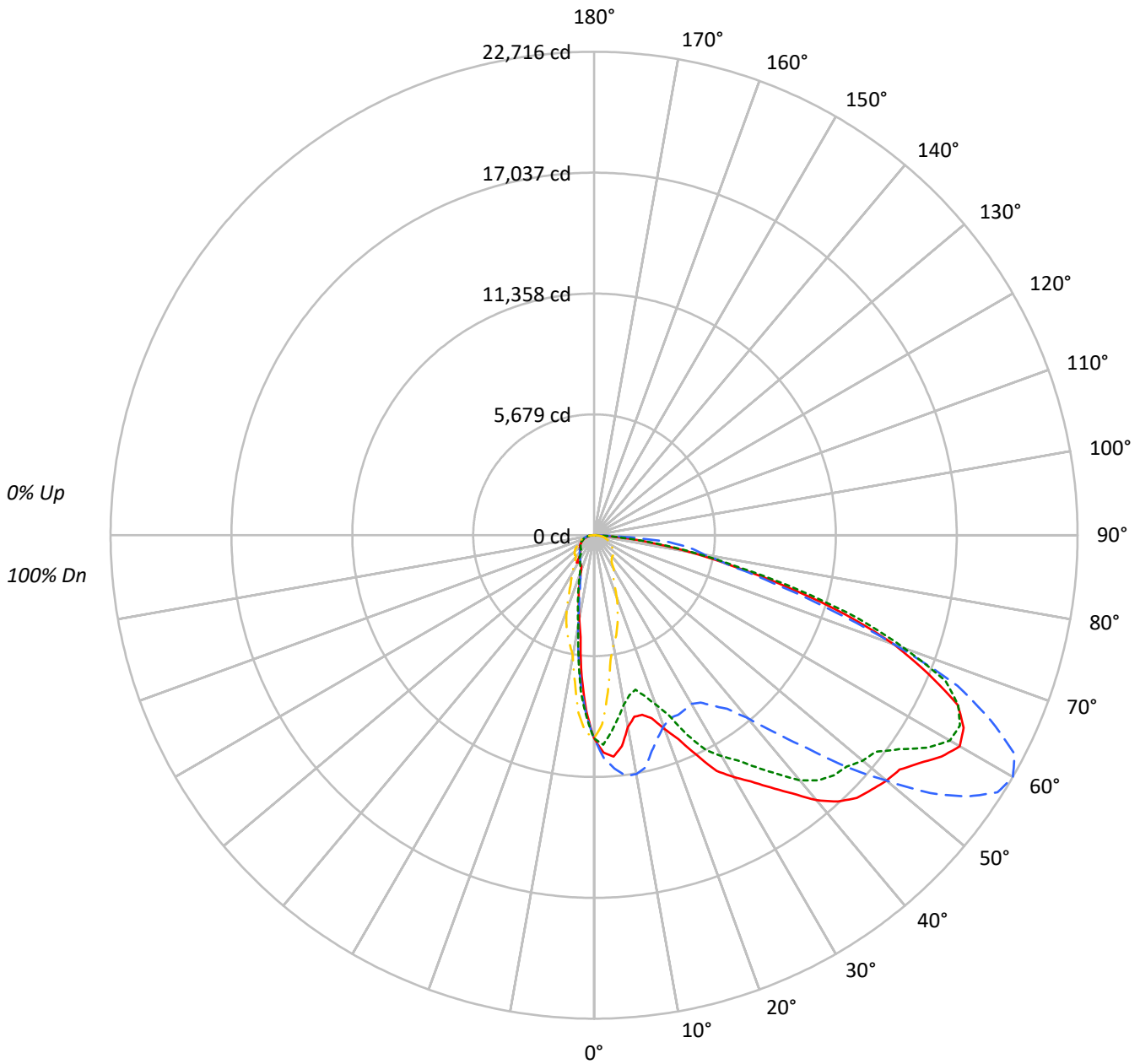
Lumens per Lamp: N/A
 Luminaire Lumens: 29876.8 lumens
 Efficiency: N/A
 Efficacy: 106.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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: P598956
CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

Luminous Intensity Polar Plot



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

TEST NUMBER: P598956

CATALOG NUMBER: IFLD-L-SA7B-735-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	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°	51357	51357	51357	51357
5°	56422	50121	35944	39238
10°	49977	44110	21801	23395
15°	48664	41870	15434	16025
20°	55488	48429	10096	11159
25°	67606	61389	8815	9130
30°	81458	74457	9142	8483
35°	95001	87425	7575	7140
40°	114158	105591	7077	6704
45°	132853	121353	7162	6658
50°	150141	137934	7324	6880
55°	175097	164402	7586	7213
60°	213560	207711	7561	7561
65°	240005	240343	7764	8102
70°	235873	244216	8134	8342
75°	194570	207523	8544	9095
80°	140484	147467	9447	9859
85°	77751	83481	10640	13097

TEST NUMBER: P598956
 CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.3	2.5
10°-20°	1565.2	5.2
20°-30°	2290.0	7.7
30°-40°	3226.5	10.8
40°-50°	4434.2	14.8
50°-60°	6043.3	20.2
60°-70°	6614.1	22.1
70°-80°	3818.6	12.8
80°-90°	1143.5	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°	4596.5	15.4
0°-40°	7823.1	26.2
0°-60°	18300.6	61.3
0°-90°	29876.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29876.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9542	9542	9542	9542	9542	
5°	10444	9277	6653	7263	10444	948
15°	8734	7515	2770	2876	8734	2552
25°	11385	10338	1484	1537	11385	5331
35°	14460	13306	1153	1087	14460	9169
45°	17455	15944	941	875	17455	13415
55°	18661	17521	808	769	18661	16837
65°	18846	18873	610	636	18846	18038
75°	9357	9980	411	437	9357	10051
85°	1259	1352	172	212	1259	1747
90°	0	0	0	0	0	

TEST NUMBER: P598956
 CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5
2.5°	10218.4	10178.6	10218.4	10364.2	10403.9	10470.2	10470.2	10377.4	10205.1	10125.6	9993.1
5°	10443.7	10377.4	10708.8	11013.6	11252.2	11225.7	11000.3	10814.8	10470.2	9953.3	9463.0
7.5°	9993.1	10059.4	10297.9	11093.1	11649.8	11755.8	11398.0	11026.9	10284.7	9569.0	8906.3
10°	9144.9	9237.6	9754.5	10576.2	11451.0	11623.3	11398.0	10947.3	10059.4	9171.4	8402.7
12.5°	8734.0	8946.1	9250.9	10244.9	10867.8	11278.7	11172.6	10881.1	9887.1	8840.0	8097.8
15°	8734.0	8787.0	9237.6	10072.6	10430.5	10443.7	10483.5	10536.5	9940.1	8985.8	7991.8
17.5°	9012.3	9158.1	9542.5	10059.4	10125.6	9966.6	9966.6	10191.9	10046.1	9396.7	8376.2
20°	9688.3	9635.2	10138.9	10350.9	9993.1	9595.5	9555.7	9940.1	10165.4	9834.0	9078.6
22.5°	10364.2	10602.7	11013.6	10536.5	9873.8	9343.7	9290.7	9767.8	10523.2	10589.5	9887.1
25°	11384.7	11623.3	11835.3	11252.2	9860.6	9277.4	9317.2	9688.3	10960.6	11663.0	11238.9
27.5°	12484.7	12630.5	12935.4	12034.1	10178.6	9197.9	9237.6	9794.3	11371.4	12365.5	12299.2
30°	13107.6	13266.7	13200.4	12179.9	10390.7	9250.9	9144.9	9940.1	11146.1	12365.5	12988.4
32.5°	13717.3	13624.5	13584.8	12418.5	10655.8	9582.2	9317.2	10244.9	11278.7	12564.3	13876.3
35°	14459.5	14327.0	14220.9	12882.3	11093.1	9900.3	9781.0	10642.5	11570.2	12975.1	14592.0
37.5°	15281.2	15281.2	14764.3	13226.9	11610.0	10417.2	10284.7	11212.4	12034.1	13226.9	15572.8
40°	16248.7	16288.5	15374.0	13690.8	12193.2	11238.9	11199.2	11954.6	12484.7	13598.0	16513.8
42.5°	16964.4	16990.9	15904.1	13863.1	12869.1	12378.7	12551.0	13147.4	13001.6	13929.4	16580.0
45°	17454.8	17322.2	16275.2	14353.5	13611.3	14088.4	14141.4	14313.7	13677.5	14128.2	16845.1
47.5°	17693.3	17666.8	16434.3	14923.4	15175.2	15824.6	16129.4	15890.9	14300.5	13916.1	16845.1
50°	17931.9	17706.6	16580.0	15705.3	16699.3	18011.4	17945.1	17507.8	15161.9	14181.2	16593.3
52.5°	18090.9	17892.1	16871.6	16407.8	18157.2	19641.6	19906.7	19098.2	16169.2	14671.6	16712.6
55°	18660.8	18501.8	17746.3	17362.0	19840.4	21364.5	21404.3	20277.8	17229.5	15480.0	17494.5
57.5°	19350.0	19442.8	18952.4	18713.8	21126.0	22623.6	22477.8	21152.5	18130.7	16460.8	18395.8
60°	19840.4	19986.2	19866.9	19893.4	21762.1	23047.7	22716.4	21695.9	18793.4	17203.0	19495.8
62.5°	19575.3	19866.9	20357.3	20251.2	21788.6	22742.9	22279.0	20980.2	18872.9	18170.5	20330.8
65°	18846.4	18872.9	19827.1	20410.3	20595.8	21165.7	20556.1	19482.5	18051.2	18766.9	20211.5
67.5°	16977.6	17189.7	18051.2	19191.0	18409.0	18541.6	18488.5	16937.9	16805.4	18356.0	19297.0
70°	14989.6	15135.4	16076.4	17415.0	15546.3	14923.4	15042.6	13889.6	14433.0	17083.7	17454.8
72.5°	12392.0	12484.7	13558.3	14737.8	12471.5	11358.2	11636.5	10695.5	11464.2	14949.9	14724.6
75°	9356.9	9529.2	10364.2	11755.8	9184.6	8468.9	8747.3	8362.9	9078.6	12312.4	11424.5
77.5°	6653.2	6520.7	7554.5	9197.9	6905.0	6480.9	6507.4	6573.7	7342.4	10377.4	8203.9
80°	4532.7	4572.4	5500.2	6746.0	5420.7	5354.4	5288.1	5818.3	6162.8	8217.1	5964.0
82.5°	2690.4	2690.4	3711.0	4797.7	4280.9	4824.2	4519.4	4996.5	4824.2	6043.6	3909.8
85°	1259.1	1259.1	1908.5	3459.1	3313.4	3976.0	3379.6	3777.2	3565.2	4214.6	1762.7
87.5°	212.1	185.5	384.3	1696.4	1365.1	1550.7	609.7	2014.5	2239.8	2942.3	437.4
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: P598956
 CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5
2.5°	9847.3	9754.5	9569.0	9330.4	9131.6	8879.8	8800.3	8628.0	8389.4	8362.9	8256.9
5°	9277.4	8959.3	8561.7	8071.3	7740.0	7395.4	7103.8	6931.5	6732.7	6706.2	6653.2
7.5°	8654.5	8256.9	7594.2	7011.1	6441.2	5897.8	5632.7	5301.4	5076.1	4903.8	4824.2
10°	8071.3	7700.2	6878.5	6083.3	5579.7	5221.9	4903.8	4559.2	4280.9	4068.8	3989.3
12.5°	7687.0	7249.6	6361.6	5606.2	5235.1	4824.2	4466.4	4095.3	3737.5	3459.1	3313.4
15°	7514.7	7103.8	6202.6	5367.6	4824.2	4254.4	3843.5	3472.4	3035.0	2836.2	2770.0
17.5°	7925.6	7315.9	6149.6	5089.3	4320.6	3671.2	3167.6	2770.0	2451.9	2253.1	2173.6
20°	8455.7	7700.2	6242.4	4758.0	3843.5	3114.6	2557.9	2133.8	1921.7	1776.0	1762.7
22.5°	9131.6	8270.1	6388.2	4519.4	3313.4	2504.9	2001.3	1749.5	1603.7	1590.4	1563.9
25°	10337.7	9303.9	6626.7	4201.3	2889.2	2067.5	1709.7	1563.9	1497.6	1457.9	1484.4
27.5°	11371.4	9979.8	6799.0	4002.5	2717.0	1948.3	1656.7	1497.6	1431.4	1418.1	1431.4
30°	11981.1	10602.7	6746.0	3631.4	2372.4	1855.5	1762.7	1709.7	1577.2	1471.1	1471.1
32.5°	12537.7	11000.3	6732.7	3300.1	2027.8	1550.7	1471.1	1431.4	1510.9	1563.9	1524.1
35°	13306.4	11623.3	6693.0	3114.6	1882.0	1431.4	1298.8	1192.8	1139.8	1113.3	1153.0
37.5°	14128.2	12047.4	6587.0	3088.0	1802.5	1365.1	1259.1	1153.0	1100.0	1073.5	1060.3
40°	15029.4	12498.0	6467.7	2955.5	1762.7	1325.3	1219.3	1126.5	1060.3	1020.5	1007.3
42.5°	15612.5	12855.8	6348.4	2889.2	1683.2	1298.8	1179.6	1100.0	1033.8	980.8	980.8
45°	15943.9	13279.9	6229.1	2823.0	1590.4	1312.1	1179.6	1073.5	994.0	967.5	941.0
47.5°	16089.7	13598.0	6189.4	2717.0	1510.9	1259.1	1153.0	1047.0	967.5	914.5	901.2
50°	16474.0	14273.9	6335.1	2637.4	1418.1	1206.1	1219.3	1033.8	954.2	888.0	874.7
52.5°	16699.3	14817.3	6653.2	2518.2	1351.9	1139.8	1192.8	1007.3	914.5	848.2	848.2
55°	17521.0	15718.6	6997.8	2425.4	1272.3	1047.0	1100.0	954.2	848.2	808.5	808.5
57.5°	18568.1	16672.8	7289.4	2385.6	1219.3	980.8	980.8	927.7	808.5	755.4	742.2
60°	19297.0	17454.8	7461.7	2359.1	1166.3	914.5	874.7	927.7	768.7	715.7	702.4
62.5°	19376.5	17004.2	7289.4	2345.9	1153.0	848.2	795.2	888.0	728.9	675.9	649.4
65°	18872.9	16089.7	6812.3	2292.8	1139.8	782.0	742.2	768.7	675.9	636.2	609.7
67.5°	17865.6	14605.3	6123.1	2266.3	1126.5	728.9	675.9	662.7	622.9	583.2	556.6
70°	15519.8	12670.3	5314.6	2147.1	1100.0	689.2	609.7	596.4	556.6	530.1	516.9
72.5°	13028.1	10364.2	4386.9	1988.0	1047.0	622.9	556.6	530.1	516.9	477.1	463.9
75°	9979.8	7978.6	3512.2	1762.7	914.5	556.6	490.4	463.9	450.6	424.1	410.9
77.5°	7011.1	5937.5	2597.7	1431.4	768.7	503.6	437.4	410.9	397.6	357.8	357.8
80°	4758.0	4161.6	1762.7	994.0	596.4	410.9	384.3	357.8	331.3	304.8	304.8
82.5°	2955.5	2915.8	1272.3	649.4	437.4	331.3	304.8	304.8	265.1	238.6	238.6
85°	1351.9	1789.2	888.0	450.6	331.3	251.8	251.8	238.6	212.1	172.3	172.3
87.5°	424.1	596.4	463.9	198.8	185.5	145.8	145.8	132.5	132.5	106.0	106.0
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: P598956
 CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5
2.5°	8362.9	8349.7	8349.7	8296.6	8429.2	8429.2	8508.7	8442.4	8482.2	8495.5	8601.5
5°	6640.0	6746.0	6825.5	6984.6	7077.3	7117.1	7117.1	7223.1	7183.4	7262.9	7421.9
7.5°	4864.0	4996.5	5235.1	5433.9	5592.9	5646.0	5632.7	5659.2	5699.0	5606.2	5632.7
10°	3936.3	3843.5	3923.0	4108.6	4254.4	4426.6	4294.1	4280.9	4320.6	4280.9	4360.4
12.5°	3286.9	3180.8	3114.6	3114.6	3220.6	3300.1	3260.3	3326.6	3472.4	3512.2	3604.9
15°	2663.9	2571.2	2518.2	2451.9	2557.9	2584.4	2624.2	2717.0	2823.0	2876.0	2982.0
17.5°	2133.8	2133.8	2133.8	2080.8	2120.5	2160.3	2173.6	2292.8	2306.1	2359.1	2398.9
20°	1749.5	1789.2	1855.5	1882.0	1921.7	1921.7	1895.2	1961.5	1908.5	1948.3	1974.8
22.5°	1577.2	1630.2	1656.7	1669.9	1722.9	1736.2	1669.9	1683.2	1696.4	1656.7	1669.9
25°	1484.4	1510.9	1484.4	1497.6	1510.9	1484.4	1497.6	1524.1	1510.9	1537.4	1524.1
27.5°	1444.6	1418.1	1404.9	1391.6	1391.6	1365.1	1378.4	1378.4	1404.9	1418.1	1418.1
30°	1444.6	1404.9	1351.9	1312.1	1312.1	1272.3	1298.8	1325.3	1338.6	1365.1	1365.1
32.5°	1484.4	1404.9	1312.1	1272.3	1232.6	1206.1	1232.6	1272.3	1325.3	1338.6	1351.9
35°	1179.6	1219.3	1206.1	1153.0	1139.8	1139.8	1126.5	1126.5	1086.8	1086.8	1073.5
37.5°	1060.3	1047.0	1073.5	1086.8	1100.0	1060.3	1060.3	1007.3	994.0	1007.3	1007.3
40°	994.0	994.0	994.0	1033.8	1047.0	1020.5	980.8	954.2	954.2	954.2	967.5
42.5°	967.5	941.0	927.7	954.2	994.0	967.5	927.7	914.5	914.5	927.7	927.7
45°	927.7	914.5	901.2	888.0	941.0	901.2	888.0	874.7	874.7	874.7	888.0
47.5°	888.0	874.7	848.2	848.2	861.5	848.2	835.0	835.0	835.0	861.5	861.5
50°	861.5	848.2	821.7	821.7	821.7	821.7	808.5	808.5	808.5	821.7	835.0
52.5°	821.7	808.5	795.2	782.0	782.0	782.0	782.0	782.0	782.0	795.2	808.5
55°	782.0	768.7	755.4	755.4	768.7	768.7	755.4	768.7	755.4	768.7	782.0
57.5°	742.2	728.9	715.7	728.9	742.2	728.9	728.9	728.9	728.9	728.9	742.2
60°	689.2	689.2	689.2	689.2	715.7	715.7	715.7	715.7	689.2	702.4	715.7
62.5°	662.7	649.4	649.4	662.7	675.9	675.9	689.2	675.9	662.7	675.9	675.9
65°	609.7	609.7	609.7	622.9	622.9	636.2	636.2	636.2	622.9	636.2	636.2
67.5°	569.9	569.9	569.9	569.9	596.4	596.4	596.4	596.4	583.2	583.2	596.4
70°	503.6	516.9	503.6	530.1	556.6	543.4	556.6	556.6	543.4	530.1	556.6
72.5°	463.9	463.9	463.9	463.9	503.6	503.6	503.6	516.9	503.6	490.4	503.6
75°	410.9	410.9	410.9	424.1	450.6	450.6	450.6	450.6	450.6	437.4	437.4
77.5°	357.8	371.1	357.8	371.1	397.6	384.3	397.6	410.9	397.6	384.3	384.3
80°	304.8	304.8	304.8	318.1	331.3	331.3	331.3	344.6	331.3	318.1	318.1
82.5°	238.6	238.6	251.8	251.8	265.1	265.1	265.1	278.3	265.1	251.8	251.8
85°	185.5	185.5	185.5	198.8	198.8	212.1	212.1	225.3	225.3	212.1	212.1
87.5°	119.3	106.0	119.3	119.3	132.5	132.5	119.3	106.0	119.3	106.0	92.8
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: P598956
 CATALOG NUMBER: IFLD-L-SA7B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5	9542.5
2.5°	8707.5	8946.1	9118.4	9237.6	9409.9	9741.3	9873.8	10112.4	10178.6	10218.4
5°	7488.2	7740.0	8111.1	8376.2	8681.0	9303.9	9781.0	10138.9	10297.9	10443.7
7.5°	5871.3	6202.6	6587.0	6931.5	7435.2	8203.9	8826.8	9569.0	9847.3	9993.1
10°	4585.7	4890.5	5314.6	5738.7	6441.2	7090.6	7978.6	8654.5	9038.8	9144.9
12.5°	3870.0	4227.8	4731.5	5248.4	5685.7	6427.9	7329.1	8309.9	8667.7	8734.0
15°	3286.9	3777.2	4294.1	4824.2	5327.9	5977.3	6944.8	8137.6	8667.7	8734.0
17.5°	2717.0	3154.3	3764.0	4333.9	4917.0	5805.0	7011.1	8283.4	8813.5	9012.3
20°	2160.3	2584.4	3061.5	3777.2	4572.4	5513.4	7156.9	8773.8	9476.2	9688.3
22.5°	1789.2	1974.8	2438.6	3127.8	4068.8	5314.6	7302.6	9542.5	10284.7	10364.2
25°	1563.9	1696.4	1988.0	2637.4	3671.2	5182.1	7647.2	10430.5	11384.7	11384.7
27.5°	1457.9	1510.9	1709.7	2292.8	3392.9	5062.8	7991.8	11411.2	12299.2	12484.7
30°	1431.4	1563.9	1669.9	2041.0	3088.0	4731.5	8309.9	12179.9	13094.4	13107.6
32.5°	1404.9	1378.4	1457.9	1776.0	2717.0	4386.9	8575.0	12961.9	13677.5	13717.3
35°	1100.0	1153.0	1285.6	1563.9	2438.6	4135.1	8707.5	13386.0	14419.7	14459.5
37.5°	1033.8	1100.0	1206.1	1444.6	2253.1	3923.0	8747.3	14207.7	15201.7	15281.2
40°	1007.3	1060.3	1139.8	1338.6	2107.3	3657.9	8826.8	15055.9	16354.7	16248.7
42.5°	954.2	1020.5	1100.0	1285.6	1988.0	3459.1	8840.0	15519.8	16964.4	16964.4
45°	941.0	980.8	1073.5	1285.6	1855.5	3286.9	8628.0	15983.6	17666.8	17454.8
47.5°	888.0	967.5	1047.0	1245.8	1696.4	3114.6	8376.2	16222.2	17759.6	17693.3
50°	874.7	954.2	1086.8	1179.6	1603.7	3035.0	8323.2	16818.6	17945.1	17931.9
52.5°	848.2	927.7	1126.5	1126.5	1484.4	2929.0	8575.0	17083.7	17984.9	18090.9
55°	808.5	927.7	1047.0	1033.8	1378.4	2796.5	8853.3	17772.9	18687.3	18660.8
57.5°	782.0	901.2	994.0	941.0	1259.1	2703.7	9264.1	18435.5	19535.6	19350.0
60°	742.2	901.2	888.0	874.7	1166.3	2624.2	9608.7	18568.1	19721.1	19840.4
62.5°	715.7	941.0	782.0	808.5	1086.8	2584.4	9463.0	17574.1	19469.3	19575.3
65°	689.2	808.5	715.7	742.2	1060.3	2504.9	8893.1	16381.2	18382.5	18846.4
67.5°	636.2	662.7	662.7	689.2	1033.8	2319.4	7726.8	14234.2	16725.8	16977.6
70°	583.2	596.4	596.4	636.2	1007.3	2107.3	6374.9	12312.4	14512.5	14989.6
72.5°	530.1	530.1	530.1	583.2	927.7	1935.0	5248.4	9463.0	12060.6	12392.0
75°	463.9	463.9	463.9	516.9	835.0	1762.7	4135.1	7037.6	8879.8	9356.9
77.5°	410.9	410.9	397.6	463.9	728.9	1431.4	2982.0	4970.0	6255.6	6653.2
80°	344.6	331.3	331.3	371.1	569.9	1033.8	1921.7	3512.2	4360.4	4532.7
82.5°	278.3	265.1	251.8	278.3	410.9	649.4	1192.8	2451.9	2796.5	2690.4
85°	265.1	278.3	225.3	212.1	291.6	424.1	755.4	1510.9	1259.1	1259.1
87.5°	106.0	92.8	92.8	79.5	145.8	159.0	331.3	278.3	212.1	212.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)