

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: P598960

Luminaire Tested: **IFLD-L-SA8A-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: P598960  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8A-735-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 3500K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

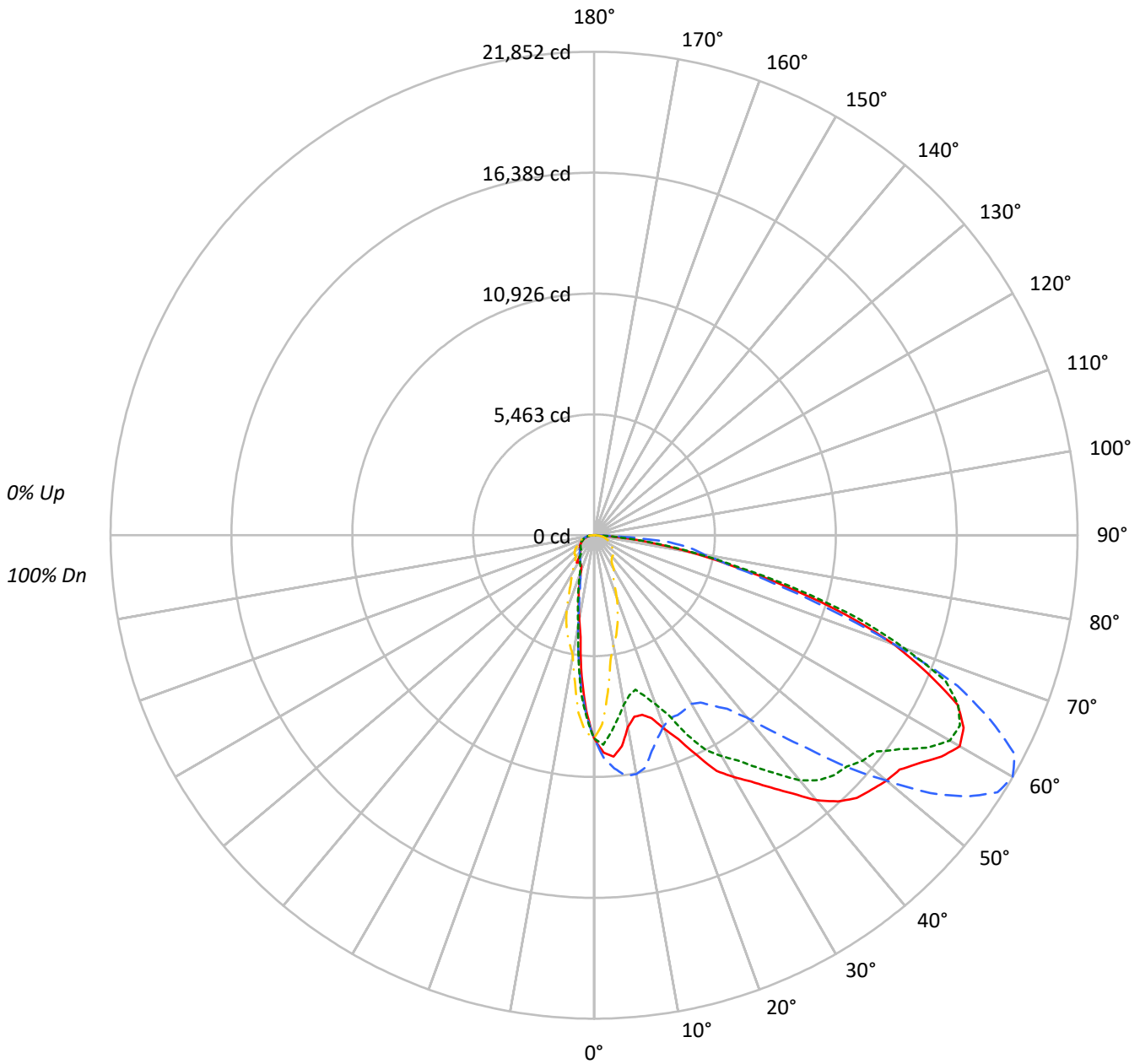
Lumens per Lamp: N/A  
 Luminaire Lumens: 28739.3 lumens  
 Efficiency: N/A  
 Efficacy: 116.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 247.8  
 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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CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

### 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°	49402	49402	49402	49402
5°	54274	48213	34576	37744
10°	48074	42430	20971	22504
15°	46812	40276	14846	15414
20°	53376	46585	9711	10734
25°	65032	59051	8479	8782
30°	78357	71623	8794	8160
35°	91384	84097	7287	6868
40°	109812	101571	6807	6449
45°	127794	116733	6890	6404
50°	144425	132683	7045	6618
55°	168431	158144	7297	6938
60°	205429	199803	7273	7273
65°	230868	231193	7468	7792
70°	226893	234918	7824	8025
75°	187163	199623	8218	8748
80°	135135	141851	9087	9484
85°	74787	80301	10232	12597

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 CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	713.1	2.5
10°-20°	1505.6	5.2
20°-30°	2202.8	7.7
30°-40°	3103.7	10.8
40°-50°	4265.4	14.8
50°-60°	5813.2	20.2
60°-70°	6362.3	22.1
70°-80°	3673.2	12.8
80°-90°	1100.0	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°	4421.5	15.4
0°-40°	7525.2	26.2
0°-60°	17603.8	61.3
0°-90°	28739.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28739.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9179	9179	9179	9179	9179	
5°	10046	8924	6400	6986	10046	912
15°	8402	7229	2664	2766	8402	2455
25°	10951	9944	1428	1479	10951	5128
35°	13909	12800	1109	1045	13909	8820
45°	16790	15337	905	841	16790	12905
55°	17950	16854	778	739	17950	16196
65°	18129	18154	586	612	18129	17351
75°	9001	9600	395	421	9001	9669
85°	1211	1300	166	204	1211	1680
90°	0	0	0	0	0	

TEST NUMBER: P598960  
 CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2
2.5°	9829.4	9791.1	9829.4	9969.6	10007.8	10071.6	10071.6	9982.3	9816.6	9740.1	9612.6
5°	10046.1	9982.3	10301.1	10594.3	10823.8	10798.3	10581.5	10403.1	10071.6	9574.4	9102.7
7.5°	9612.6	9676.4	9905.8	10670.8	11206.2	11308.2	10964.0	10607.0	9893.1	9204.7	8567.2
10°	8796.7	8885.9	9383.1	10173.6	11015.0	11180.7	10964.0	10530.5	9676.4	8822.2	8082.8
12.5°	8401.5	8605.5	8898.7	9854.9	10454.1	10849.3	10747.3	10466.8	9510.6	8503.5	7789.5
15°	8401.5	8452.5	8885.9	9689.1	10033.3	10046.1	10084.3	10135.3	9561.6	8643.7	7687.6
17.5°	8669.2	8809.4	9179.2	9676.4	9740.1	9587.1	9587.1	9803.9	9663.6	9038.9	8057.3
20°	9319.4	9268.4	9752.9	9956.8	9612.6	9230.2	9191.9	9561.6	9778.4	9459.6	8733.0
22.5°	9969.6	10199.1	10594.3	10135.3	9497.9	8987.9	8936.9	9395.9	10122.6	10186.3	9510.6
25°	10951.3	11180.7	11384.7	10823.8	9485.1	8924.2	8962.4	9319.4	10543.3	11219.0	10811.0
27.5°	12009.4	12149.6	12442.9	11575.9	9791.1	8847.7	8885.9	9421.4	10938.5	11894.7	11830.9
30°	12608.6	12761.6	12697.8	11716.2	9995.1	8898.7	8796.7	9561.6	10721.8	11894.7	12493.9
32.5°	13195.1	13105.8	13067.6	11945.7	10250.1	9217.4	8962.4	9854.9	10849.3	12085.9	13348.0
35°	13909.0	13781.5	13679.5	12391.9	10670.8	9523.4	9408.6	10237.3	11129.7	12481.1	14036.5
37.5°	14699.4	14699.4	14202.2	12723.3	11168.0	10020.6	9893.1	10785.5	11575.9	12723.3	14979.9
40°	15630.1	15668.3	14788.7	13169.6	11728.9	10811.0	10772.8	11499.5	12009.4	13080.3	15885.1
42.5°	16318.5	16344.0	15298.6	13335.3	12379.1	11907.4	12073.2	12646.9	12506.6	13399.0	15948.8
45°	16790.2	16662.7	15655.6	13807.0	13093.1	13552.0	13603.0	13768.7	13156.8	13590.3	16203.8
47.5°	17019.7	16994.2	15808.6	14355.2	14597.4	15222.1	15515.3	15285.9	13756.0	13386.3	16203.8
50°	17249.2	17032.5	15948.8	15107.4	16063.5	17325.7	17261.9	16841.2	14584.7	13641.3	15961.5
52.5°	17402.2	17210.9	16229.3	15783.1	17465.9	18893.8	19148.8	18371.1	15553.6	14113.0	16076.3
55°	17950.4	17797.4	17070.7	16701.0	19085.0	20551.1	20589.4	19505.7	16573.5	14890.6	16828.5
57.5°	18613.3	18702.6	18230.8	18001.4	20321.7	21762.3	21622.0	20347.2	17440.4	15834.1	17695.4
60°	19085.0	19225.3	19110.5	19136.0	20933.6	22170.2	21851.5	20869.9	18077.9	16548.0	18753.5
62.5°	18830.0	19110.5	19582.2	19480.2	20959.1	21877.0	21430.8	20181.4	18154.4	17478.7	19556.7
65°	18128.9	18154.4	19072.3	19633.2	19811.7	20359.9	19773.5	18740.8	17363.9	18052.4	19442.0
67.5°	16331.3	16535.2	17363.9	18460.3	17708.1	17835.6	17784.6	16293.0	16165.5	17657.1	18562.3
70°	14418.9	14559.2	15464.3	16752.0	14954.4	14355.2	14469.9	13360.8	13883.5	16433.3	16790.2
72.5°	11920.2	12009.4	13042.1	14176.7	11996.7	10925.8	11193.5	10288.3	11027.7	14380.7	14164.0
75°	9000.7	9166.4	9969.6	11308.2	8834.9	8146.5	8414.2	8044.5	8733.0	11843.7	10989.5
77.5°	6399.9	6272.4	7266.8	8847.7	6642.1	6234.2	6259.7	6323.4	7062.9	9982.3	7891.5
80°	4360.1	4398.4	5290.8	6489.2	5214.3	5150.5	5086.8	5596.7	5928.2	7904.3	5737.0
82.5°	2588.0	2588.0	3569.7	4615.1	4117.9	4640.6	4347.4	4806.3	4640.6	5813.5	3760.9
85°	1211.1	1211.1	1835.8	3327.4	3187.2	3824.7	3251.0	3633.4	3429.4	4054.1	1695.6
87.5°	204.0	178.5	369.7	1631.9	1313.1	1491.6	586.4	1937.8	2154.6	2830.2	420.7
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: P598960  
 CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2
2.5°	9472.4	9383.1	9204.7	8975.2	8784.0	8541.7	8465.2	8299.5	8070.0	8044.5	7942.5
5°	8924.2	8618.2	8235.8	7764.0	7445.3	7113.9	6833.4	6667.6	6476.4	6450.9	6399.9
7.5°	8325.0	7942.5	7305.1	6744.1	6195.9	5673.2	5418.3	5099.5	4882.8	4717.1	4640.6
10°	7764.0	7407.1	6616.6	5851.7	5367.3	5023.0	4717.1	4385.6	4117.9	3913.9	3837.4
12.5°	7394.3	6973.6	6119.4	5392.8	5035.8	4640.6	4296.4	3939.4	3595.2	3327.4	3187.2
15°	7228.6	6833.4	5966.5	5163.3	4640.6	4092.4	3697.2	3340.2	2919.5	2728.3	2664.5
17.5°	7623.8	7037.4	5915.5	4895.6	4156.1	3531.4	3047.0	2664.5	2358.5	2167.3	2090.8
20°	8133.8	7407.1	6004.7	4576.8	3697.2	2996.0	2460.5	2052.6	1848.6	1708.3	1695.6
22.5°	8784.0	7955.3	6144.9	4347.4	3187.2	2409.5	1925.1	1682.8	1542.6	1529.9	1504.4
25°	9944.1	8949.7	6374.4	4041.4	2779.2	1988.8	1644.6	1504.4	1440.6	1402.4	1427.9
27.5°	10938.5	9599.9	6540.2	3850.2	2613.5	1874.1	1593.6	1440.6	1376.9	1364.1	1376.9
30°	11525.0	10199.1	6489.2	3493.2	2282.0	1784.8	1695.6	1644.6	1517.1	1415.1	1415.1
32.5°	12060.4	10581.5	6476.4	3174.5	1950.6	1491.6	1415.1	1376.9	1453.4	1504.4	1466.1
35°	12799.8	11180.7	6438.2	2996.0	1810.3	1376.9	1249.4	1147.4	1096.4	1070.9	1109.1
37.5°	13590.3	11588.7	6336.2	2970.5	1733.8	1313.1	1211.1	1109.1	1058.2	1032.7	1019.9
40°	14457.2	12022.2	6221.4	2843.0	1695.6	1274.9	1172.9	1083.7	1019.9	981.7	968.9
42.5°	15018.1	12366.4	6106.7	2779.2	1619.1	1249.4	1134.6	1058.2	994.4	943.4	943.4
45°	15336.9	12774.3	5992.0	2715.5	1529.9	1262.1	1134.6	1032.7	956.2	930.7	905.2
47.5°	15477.1	13080.3	5953.7	2613.5	1453.4	1211.1	1109.1	1007.2	930.7	879.7	866.9
50°	15846.8	13730.5	6093.9	2537.0	1364.1	1160.1	1172.9	994.4	917.9	854.2	841.4
52.5°	16063.5	14253.2	6399.9	2422.3	1300.4	1096.4	1147.4	968.9	879.7	815.9	815.9
55°	16854.0	15120.1	6731.4	2333.0	1223.9	1007.2	1058.2	917.9	815.9	777.7	777.7
57.5°	17861.1	16038.0	7011.9	2294.8	1172.9	943.4	943.4	892.4	777.7	726.7	713.9
60°	18562.3	16790.2	7177.6	2269.3	1121.9	879.7	841.4	892.4	739.4	688.4	675.7
62.5°	18638.8	16356.8	7011.9	2256.5	1109.1	815.9	764.9	854.2	701.2	650.2	624.7
65°	18154.4	15477.1	6552.9	2205.5	1096.4	752.2	713.9	739.4	650.2	611.9	586.4
67.5°	17185.4	14049.2	5890.0	2180.1	1083.7	701.2	650.2	637.4	599.2	560.9	535.5
70°	14928.9	12187.9	5112.3	2065.3	1058.2	662.9	586.4	573.7	535.5	510.0	497.2
72.5°	12532.1	9969.6	4219.9	1912.3	1007.2	599.2	535.5	510.0	497.2	459.0	446.2
75°	9599.9	7674.8	3378.4	1695.6	879.7	535.5	471.7	446.2	433.5	408.0	395.2
77.5°	6744.1	5711.5	2498.8	1376.9	739.4	484.5	420.7	395.2	382.5	344.2	344.2
80°	4576.8	4003.1	1695.6	956.2	573.7	395.2	369.7	344.2	318.7	293.2	293.2
82.5°	2843.0	2804.7	1223.9	624.7	420.7	318.7	293.2	293.2	255.0	229.5	229.5
85°	1300.4	1721.1	854.2	433.5	318.7	242.2	242.2	229.5	204.0	165.7	165.7
87.5°	408.0	573.7	446.2	191.2	178.5	140.2	140.2	127.5	127.5	102.0	102.0
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: P598960  
 CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2
2.5°	8044.5	8031.8	8031.8	7980.8	8108.3	8108.3	8184.8	8121.0	8159.3	8172.0	8274.0
5°	6387.2	6489.2	6565.7	6718.6	6807.9	6846.1	6846.1	6948.1	6909.9	6986.4	7139.4
7.5°	4678.8	4806.3	5035.8	5227.0	5380.0	5431.0	5418.3	5443.8	5482.0	5392.8	5418.3
10°	3786.4	3697.2	3773.7	3952.1	4092.4	4258.1	4130.6	4117.9	4156.1	4117.9	4194.4
12.5°	3161.7	3059.7	2996.0	2996.0	3098.0	3174.5	3136.2	3200.0	3340.2	3378.4	3467.7
15°	2562.5	2473.3	2422.3	2358.5	2460.5	2486.0	2524.3	2613.5	2715.5	2766.5	2868.5
17.5°	2052.6	2052.6	2052.6	2001.6	2039.8	2078.1	2090.8	2205.5	2218.3	2269.3	2307.5
20°	1682.8	1721.1	1784.8	1810.3	1848.6	1848.6	1823.1	1886.8	1835.8	1874.1	1899.6
22.5°	1517.1	1568.1	1593.6	1606.4	1657.3	1670.1	1606.4	1619.1	1631.9	1593.6	1606.4
25°	1427.9	1453.4	1427.9	1440.6	1453.4	1427.9	1440.6	1466.1	1453.4	1478.9	1466.1
27.5°	1389.6	1364.1	1351.4	1338.6	1338.6	1313.1	1325.9	1325.9	1351.4	1364.1	1364.1
30°	1389.6	1351.4	1300.4	1262.1	1262.1	1223.9	1249.4	1274.9	1287.6	1313.1	1313.1
32.5°	1427.9	1351.4	1262.1	1223.9	1185.6	1160.1	1185.6	1223.9	1274.9	1287.6	1300.4
35°	1134.6	1172.9	1160.1	1109.1	1096.4	1096.4	1083.7	1083.7	1045.4	1045.4	1032.7
37.5°	1019.9	1007.2	1032.7	1045.4	1058.2	1019.9	1019.9	968.9	956.2	968.9	968.9
40°	956.2	956.2	956.2	994.4	1007.2	981.7	943.4	917.9	917.9	917.9	930.7
42.5°	930.7	905.2	892.4	917.9	956.2	930.7	892.4	879.7	879.7	892.4	892.4
45°	892.4	879.7	866.9	854.2	905.2	866.9	854.2	841.4	841.4	841.4	854.2
47.5°	854.2	841.4	815.9	815.9	828.7	815.9	803.2	803.2	803.2	828.7	828.7
50°	828.7	815.9	790.4	790.4	790.4	790.4	777.7	777.7	777.7	790.4	803.2
52.5°	790.4	777.7	764.9	752.2	752.2	752.2	752.2	752.2	752.2	764.9	777.7
55°	752.2	739.4	726.7	726.7	739.4	739.4	726.7	739.4	726.7	739.4	752.2
57.5°	713.9	701.2	688.4	701.2	713.9	701.2	701.2	701.2	701.2	701.2	713.9
60°	662.9	662.9	662.9	662.9	688.4	688.4	688.4	688.4	662.9	675.7	688.4
62.5°	637.4	624.7	624.7	637.4	650.2	650.2	662.9	650.2	637.4	650.2	650.2
65°	586.4	586.4	586.4	599.2	599.2	611.9	611.9	611.9	599.2	611.9	611.9
67.5°	548.2	548.2	548.2	548.2	573.7	573.7	573.7	573.7	560.9	560.9	573.7
70°	484.5	497.2	484.5	510.0	535.5	522.7	535.5	535.5	522.7	510.0	535.5
72.5°	446.2	446.2	446.2	446.2	484.5	484.5	484.5	497.2	484.5	471.7	484.5
75°	395.2	395.2	395.2	408.0	433.5	433.5	433.5	433.5	433.5	420.7	420.7
77.5°	344.2	357.0	344.2	357.0	382.5	369.7	382.5	395.2	382.5	369.7	369.7
80°	293.2	293.2	293.2	306.0	318.7	318.7	318.7	331.5	318.7	306.0	306.0
82.5°	229.5	229.5	242.2	242.2	255.0	255.0	255.0	267.7	255.0	242.2	242.2
85°	178.5	178.5	178.5	191.2	191.2	204.0	204.0	216.7	216.7	204.0	204.0
87.5°	114.7	102.0	114.7	114.7	127.5	127.5	114.7	102.0	114.7	102.0	89.2
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: P598960  
 CATALOG NUMBER: IFLD-L-SA8A-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2	9179.2
2.5°	8376.0	8605.5	8771.2	8885.9	9051.7	9370.4	9497.9	9727.4	9791.1	9829.4
5°	7203.1	7445.3	7802.3	8057.3	8350.5	8949.7	9408.6	9752.9	9905.8	10046.1
7.5°	5647.7	5966.5	6336.2	6667.6	7152.1	7891.5	8490.7	9204.7	9472.4	9612.6
10°	4411.1	4704.3	5112.3	5520.2	6195.9	6820.6	7674.8	8325.0	8694.7	8796.7
12.5°	3722.7	4066.9	4551.3	5048.5	5469.3	6183.2	7050.1	7993.5	8337.7	8401.5
15°	3161.7	3633.4	4130.6	4640.6	5125.0	5749.7	6680.4	7827.8	8337.7	8401.5
17.5°	2613.5	3034.2	3620.7	4168.9	4729.8	5584.0	6744.1	7968.0	8478.0	8669.2
20°	2078.1	2486.0	2945.0	3633.4	4398.4	5303.5	6884.4	8439.7	9115.4	9319.4
22.5°	1721.1	1899.6	2345.8	3008.7	3913.9	5112.3	7024.6	9179.2	9893.1	9969.6
25°	1504.4	1631.9	1912.3	2537.0	3531.4	4984.8	7356.1	10033.3	10951.3	10951.3
27.5°	1402.4	1453.4	1644.6	2205.5	3263.7	4870.1	7687.6	10976.8	11830.9	12009.4
30°	1376.9	1504.4	1606.4	1963.3	2970.5	4551.3	7993.5	11716.2	12595.9	12608.6
32.5°	1351.4	1325.9	1402.4	1708.3	2613.5	4219.9	8248.5	12468.4	13156.8	13195.1
35°	1058.2	1109.1	1236.6	1504.4	2345.8	3977.6	8376.0	12876.3	13870.7	13909.0
37.5°	994.4	1058.2	1160.1	1389.6	2167.3	3773.7	8414.2	13666.8	14622.9	14699.4
40°	968.9	1019.9	1096.4	1287.6	2027.1	3518.7	8490.7	14482.7	15732.1	15630.1
42.5°	917.9	981.7	1058.2	1236.6	1912.3	3327.4	8503.5	14928.9	16318.5	16318.5
45°	905.2	943.4	1032.7	1236.6	1784.8	3161.7	8299.5	15375.1	16994.2	16790.2
47.5°	854.2	930.7	1007.2	1198.4	1631.9	2996.0	8057.3	15604.6	17083.4	17019.7
50°	841.4	917.9	1045.4	1134.6	1542.6	2919.5	8006.3	16178.3	17261.9	17249.2
52.5°	815.9	892.4	1083.7	1083.7	1427.9	2817.5	8248.5	16433.3	17300.2	17402.2
55°	777.7	892.4	1007.2	994.4	1325.9	2690.0	8516.2	17096.2	17975.9	17950.4
57.5°	752.2	866.9	956.2	905.2	1211.1	2600.8	8911.4	17733.6	18791.8	18613.3
60°	713.9	866.9	854.2	841.4	1121.9	2524.3	9242.9	17861.1	18970.3	19085.0
62.5°	688.4	905.2	752.2	777.7	1045.4	2486.0	9102.7	16905.0	18728.0	18830.0
65°	662.9	777.7	688.4	713.9	1019.9	2409.5	8554.5	15757.6	17682.6	18128.9
67.5°	611.9	637.4	637.4	662.9	994.4	2231.0	7432.6	13692.3	16089.0	16331.3
70°	560.9	573.7	573.7	611.9	968.9	2027.1	6132.2	11843.7	13960.0	14418.9
72.5°	510.0	510.0	510.0	560.9	892.4	1861.3	5048.5	9102.7	11601.4	11920.2
75°	446.2	446.2	446.2	497.2	803.2	1695.6	3977.6	6769.6	8541.7	9000.7
77.5°	395.2	395.2	382.5	446.2	701.2	1376.9	2868.5	4780.8	6017.5	6399.9
80°	331.5	318.7	318.7	357.0	548.2	994.4	1848.6	3378.4	4194.4	4360.1
82.5°	267.7	255.0	242.2	267.7	395.2	624.7	1147.4	2358.5	2690.0	2588.0
85°	255.0	267.7	216.7	204.0	280.5	408.0	726.7	1453.4	1211.1	1211.1
87.5°	102.0	89.2	89.2	76.5	140.2	153.0	318.7	267.7	204.0	204.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)