

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: P599106

Luminaire Tested: **IFLD-L-SA8B-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599106  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-830-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 3000K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

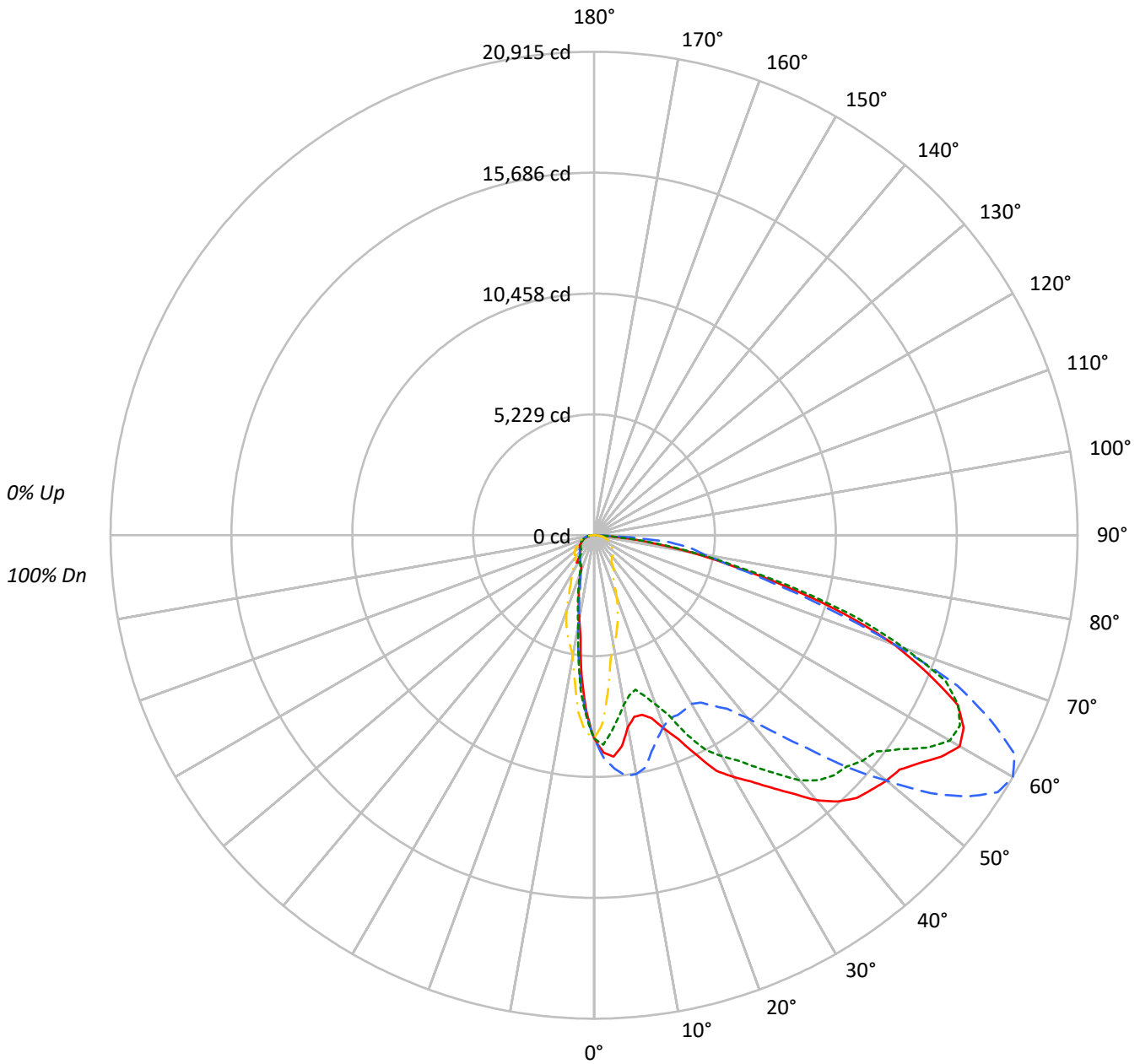
Lumens per Lamp: N/A  
 Luminaire Lumens: 27507.8 lumens  
 Efficiency: N/A  
 Efficacy: 86.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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	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°	47285	47285	47285	47285
5°	51948	46147	33094	36127
10°	46014	40612	20073	21540
15°	44806	38551	14210	14754
20°	51089	44589	9295	10274
25°	62246	56521	8116	8406
30°	74999	68553	8418	7811
35°	87468	80494	6975	6574
40°	105106	97219	6516	6173
45°	122319	111731	6594	6130
50°	138236	126998	6743	6335
55°	161214	151367	6985	6640
60°	196627	191241	6961	6961
65°	220974	221285	7148	7459
70°	217171	224852	7489	7681
75°	179143	191068	7866	8374
80°	129345	135773	8700	9078
85°	71582	76862	9794	12054

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	682.6	2.5
10°-20°	1441.1	5.2
20°-30°	2108.5	7.7
30°-40°	2970.7	10.8
40°-50°	4082.6	14.8
50°-60°	5564.1	20.2
60°-70°	6089.7	22.1
70°-80°	3515.8	12.8
80°-90°	1052.8	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°	4232.1	15.4
0°-40°	7202.8	26.2
0°-60°	16849.5	61.3
0°-90°	27507.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27507.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8786	8786	8786	8786	8786	
5°	9616	8542	6126	6687	9616	873
15°	8042	6919	2550	2648	8042	2349
25°	10482	9518	1367	1416	10482	4908
35°	13313	12251	1062	1001	13313	8442
45°	16071	14680	866	805	16071	12352
55°	17181	16132	744	708	17181	15502
65°	17352	17376	561	586	17352	16608
75°	8615	9188	378	403	8615	9254
85°	1159	1245	159	195	1159	1608
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°	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8
2.5°	9408.2	9371.6	9408.2	9542.4	9579.0	9640.0	9640.0	9554.6	9396.0	9322.8	9200.7
5°	9615.6	9554.6	9859.7	10140.3	10360.0	10335.6	10128.1	9957.3	9640.0	9164.1	8712.6
7.5°	9200.7	9261.7	9481.4	10213.5	10726.0	10823.7	10494.2	10152.5	9469.2	8810.2	8200.1
10°	8419.8	8505.2	8981.1	9737.6	10543.0	10701.6	10494.2	10079.3	9261.7	8444.2	7736.4
12.5°	8041.5	8236.7	8517.4	9432.6	10006.1	10384.4	10286.8	10018.3	9103.1	8139.1	7455.8
15°	8041.5	8090.3	8505.2	9273.9	9603.4	9615.6	9652.2	9701.0	9151.9	8273.3	7358.1
17.5°	8297.7	8432.0	8785.8	9261.7	9322.8	9176.3	9176.3	9383.8	9249.5	8651.6	7712.0
20°	8920.1	8871.3	9335.0	9530.2	9200.7	8834.7	8798.0	9151.9	9359.4	9054.3	8358.8
22.5°	9542.4	9762.0	10140.3	9701.0	9090.9	8602.8	8554.0	8993.3	9688.8	9749.8	9103.1
25°	10482.0	10701.6	10896.9	10360.0	9078.7	8541.8	8578.4	8920.1	10091.5	10738.3	10347.8
27.5°	11494.8	11629.0	11909.7	11079.9	9371.6	8468.6	8505.2	9017.7	10469.8	11385.0	11324.0
30°	12068.3	12214.8	12153.7	11214.2	9566.8	8517.4	8419.8	9151.9	10262.4	11385.0	11958.5
32.5°	12629.6	12544.2	12507.6	11433.8	9810.9	8822.5	8578.4	9432.6	10384.4	11568.0	12776.1
35°	13313.0	13191.0	13093.3	11860.9	10213.5	9115.3	9005.5	9798.7	10652.8	11946.3	13435.0
37.5°	14069.6	14069.6	13593.7	12178.2	10689.4	9591.2	9469.2	10323.4	11079.9	12178.2	14338.0
40°	14960.3	14996.9	14155.0	12605.2	11226.4	10347.8	10311.2	11006.7	11494.8	12519.8	15204.4
42.5°	15619.3	15643.7	14643.1	12763.9	11848.7	11397.2	11555.8	12104.9	11970.7	12824.9	15265.4
45°	16070.8	15948.7	14984.7	13215.4	12532.0	12971.3	13020.1	13178.8	12593.0	13007.9	15509.5
47.5°	16290.4	16266.0	15131.2	13740.1	13971.9	14569.9	14850.5	14630.9	13166.6	12812.7	15509.5
50°	16510.1	16302.6	15265.4	14460.0	15375.2	16583.3	16522.3	16119.6	13959.7	13056.7	15277.6
52.5°	16656.5	16473.5	15533.9	15106.8	16717.5	18084.2	18328.2	17583.9	14887.1	13508.2	15387.4
55°	17181.2	17034.8	16339.2	15985.4	18267.2	19670.5	19707.1	18669.9	15863.3	14252.6	16107.4
57.5°	17815.7	17901.2	17449.7	17230.0	19450.9	20829.8	20695.5	19475.3	16693.1	15155.6	16937.2
60°	18267.2	18401.5	18291.6	18316.0	20036.6	21220.3	20915.2	19975.6	17303.2	15838.9	17950.0
62.5°	18023.2	18291.6	18743.1	18645.5	20061.0	20939.6	20512.5	19316.7	17376.4	16729.7	18718.7
65°	17352.0	17376.4	18255.0	18791.9	18962.8	19487.5	18926.2	17937.8	16619.9	17278.8	18608.9
67.5°	15631.5	15826.7	16619.9	17669.3	16949.4	17071.4	17022.6	15594.9	15472.8	16900.5	17766.9
70°	13801.1	13935.3	14801.7	16034.2	14313.6	13740.1	13849.9	12788.3	13288.6	15729.1	16070.8
72.5°	11409.4	11494.8	12483.2	13569.2	11482.6	10457.6	10713.8	9847.5	10555.2	13764.5	13557.0
75°	8615.0	8773.6	9542.4	10823.7	8456.4	7797.4	8053.7	7699.8	8358.8	11336.2	10518.6
77.5°	6125.7	6003.7	6955.5	8468.6	6357.5	5967.1	5991.5	6052.5	6760.2	9554.6	7553.4
80°	4173.3	4209.9	5064.1	6211.1	4990.8	4929.8	4868.8	5356.9	5674.2	7565.6	5491.2
82.5°	2477.1	2477.1	3416.7	4417.3	3941.4	4441.7	4161.1	4600.4	4441.7	5564.4	3599.8
85°	1159.2	1159.2	1757.2	3184.9	3050.6	3660.8	3111.7	3477.7	3282.5	3880.4	1622.9
87.5°	195.2	170.8	353.9	1561.9	1256.9	1427.7	561.3	1854.8	2062.2	2709.0	402.7
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°	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8
2.5°	9066.5	8981.1	8810.2	8590.6	8407.6	8175.7	8102.5	7943.9	7724.2	7699.8	7602.2
5°	8541.8	8248.9	7882.9	7431.4	7126.3	6809.0	6540.6	6381.9	6198.9	6174.5	6125.7
7.5°	7968.3	7602.2	6992.1	6455.2	5930.4	5430.1	5186.1	4881.0	4673.6	4514.9	4441.7
10°	7431.4	7089.7	6333.1	5601.0	5137.3	4807.8	4514.9	4197.7	3941.4	3746.2	3673.0
12.5°	7077.5	6674.8	5857.2	5161.7	4820.0	4441.7	4112.3	3770.6	3441.1	3184.9	3050.6
15°	6918.9	6540.6	5710.8	4942.0	4441.7	3917.0	3538.7	3197.1	2794.4	2611.3	2550.3
17.5°	7297.1	6735.8	5662.0	4685.8	3978.0	3380.1	2916.4	2550.3	2257.5	2074.4	2001.2
20°	7785.2	7089.7	5747.4	4380.7	3538.7	2867.6	2355.1	1964.6	1769.4	1635.1	1622.9
22.5°	8407.6	7614.4	5881.6	4161.1	3050.6	2306.3	1842.6	1610.7	1476.5	1464.3	1439.9
25°	9518.0	8566.2	6101.3	3868.2	2660.2	1903.6	1574.1	1439.9	1378.9	1342.3	1366.7
27.5°	10469.8	9188.5	6259.9	3685.2	2501.5	1793.8	1525.3	1378.9	1317.9	1305.7	1317.9
30°	11031.1	9762.0	6211.1	3343.5	2184.3	1708.4	1622.9	1574.1	1452.1	1354.5	1354.5
32.5°	11543.6	10128.1	6198.9	3038.4	1867.0	1427.7	1354.5	1317.9	1391.1	1439.9	1403.3
35°	12251.4	10701.6	6162.3	2867.6	1732.8	1317.9	1195.9	1098.2	1049.4	1025.0	1061.6
37.5°	13007.9	11092.1	6064.7	2843.2	1659.5	1256.9	1159.2	1061.6	1012.8	988.4	976.2
40°	13837.7	11507.0	5954.8	2721.2	1622.9	1220.3	1122.6	1037.2	976.2	939.6	927.4
42.5°	14374.6	11836.5	5845.0	2660.2	1549.7	1195.9	1086.0	1012.8	951.8	903.0	903.0
45°	14679.7	12227.0	5735.2	2599.1	1464.3	1208.1	1086.0	988.4	915.2	890.8	866.4
47.5°	14813.9	12519.8	5698.6	2501.5	1391.1	1159.2	1061.6	964.0	890.8	842.0	829.8
50°	15167.8	13142.2	5832.8	2428.3	1305.7	1110.4	1122.6	951.8	878.6	817.6	805.4
52.5°	15375.2	13642.5	6125.7	2318.5	1244.7	1049.4	1098.2	927.4	842.0	781.0	781.0
55°	16131.8	14472.2	6443.0	2233.1	1171.4	964.0	1012.8	878.6	781.0	744.4	744.4
57.5°	17095.8	15350.8	6711.4	2196.5	1122.6	903.0	903.0	854.2	744.4	695.5	683.3
60°	17766.9	16070.8	6870.0	2172.1	1073.8	842.0	805.4	854.2	707.7	658.9	646.7
62.5°	17840.1	15655.9	6711.4	2159.9	1061.6	781.0	732.2	817.6	671.1	622.3	597.9
65°	17376.4	14813.9	6272.1	2111.0	1049.4	720.0	683.3	707.7	622.3	585.7	561.3
67.5°	16449.1	13447.2	5637.6	2086.6	1037.2	671.1	622.3	610.1	573.5	536.9	512.5
70°	14289.2	11665.6	4893.2	1976.8	1012.8	634.5	561.3	549.1	512.5	488.1	475.9
72.5°	11995.1	9542.4	4039.0	1830.4	964.0	573.5	512.5	488.1	475.9	439.3	427.1
75°	9188.5	7345.9	3233.7	1622.9	842.0	512.5	451.5	427.1	414.9	390.5	378.3
77.5°	6455.2	5466.7	2391.7	1317.9	707.7	463.7	402.7	378.3	366.1	329.5	329.5
80°	4380.7	3831.6	1622.9	915.2	549.1	378.3	353.9	329.5	305.1	280.7	280.7
82.5°	2721.2	2684.6	1171.4	597.9	402.7	305.1	280.7	280.7	244.1	219.6	219.6
85°	1244.7	1647.3	817.6	414.9	305.1	231.8	231.8	219.6	195.2	158.6	158.6
87.5°	390.5	549.1	427.1	183.0	170.8	134.2	134.2	122.0	122.0	97.6	97.6
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°	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8
2.5°	7699.8	7687.6	7687.6	7638.8	7760.8	7760.8	7834.0	7773.0	7809.6	7821.8	7919.5
5°	6113.5	6211.1	6284.3	6430.7	6516.2	6552.8	6552.8	6650.4	6613.8	6687.0	6833.4
7.5°	4478.3	4600.4	4820.0	5003.0	5149.5	5198.3	5186.1	5210.5	5247.1	5161.7	5186.1
10°	3624.2	3538.7	3612.0	3782.8	3917.0	4075.7	3953.6	3941.4	3978.0	3941.4	4014.6
12.5°	3026.2	2928.6	2867.6	2867.6	2965.2	3038.4	3001.8	3062.8	3197.1	3233.7	3319.1
15°	2452.7	2367.3	2318.5	2257.5	2355.1	2379.5	2416.1	2501.5	2599.1	2648.0	2745.6
17.5°	1964.6	1964.6	1964.6	1915.8	1952.4	1989.0	2001.2	2111.0	2123.2	2172.1	2208.7
20°	1610.7	1647.3	1708.4	1732.8	1769.4	1769.4	1745.0	1806.0	1757.2	1793.8	1818.2
22.5°	1452.1	1500.9	1525.3	1537.5	1586.3	1598.5	1537.5	1549.7	1561.9	1525.3	1537.5
25°	1366.7	1391.1	1366.7	1378.9	1391.1	1366.7	1378.9	1403.3	1391.1	1415.5	1403.3
27.5°	1330.1	1305.7	1293.5	1281.3	1281.3	1256.9	1269.1	1269.1	1293.5	1305.7	1305.7
30°	1330.1	1293.5	1244.7	1208.1	1208.1	1171.4	1195.9	1220.3	1232.5	1256.9	1256.9
32.5°	1366.7	1293.5	1208.1	1171.4	1134.8	1110.4	1134.8	1171.4	1220.3	1232.5	1244.7
35°	1086.0	1122.6	1110.4	1061.6	1049.4	1049.4	1037.2	1037.2	1000.6	1000.6	988.4
37.5°	976.2	964.0	988.4	1000.6	1012.8	976.2	976.2	927.4	915.2	927.4	927.4
40°	915.2	915.2	915.2	951.8	964.0	939.6	903.0	878.6	878.6	878.6	890.8
42.5°	890.8	866.4	854.2	878.6	915.2	890.8	854.2	842.0	842.0	854.2	854.2
45°	854.2	842.0	829.8	817.6	866.4	829.8	817.6	805.4	805.4	805.4	817.6
47.5°	817.6	805.4	781.0	781.0	793.2	781.0	768.8	768.8	768.8	793.2	793.2
50°	793.2	781.0	756.6	756.6	756.6	756.6	744.4	744.4	744.4	756.6	768.8
52.5°	756.6	744.4	732.2	720.0	720.0	720.0	720.0	720.0	720.0	732.2	744.4
55°	720.0	707.7	695.5	695.5	707.7	707.7	695.5	707.7	695.5	707.7	720.0
57.5°	683.3	671.1	658.9	671.1	683.3	671.1	671.1	671.1	671.1	671.1	683.3
60°	634.5	634.5	634.5	634.5	658.9	658.9	658.9	658.9	634.5	646.7	658.9
62.5°	610.1	597.9	597.9	610.1	622.3	622.3	634.5	622.3	610.1	622.3	622.3
65°	561.3	561.3	561.3	573.5	573.5	585.7	585.7	585.7	573.5	585.7	585.7
67.5°	524.7	524.7	524.7	524.7	549.1	549.1	549.1	549.1	536.9	536.9	549.1
70°	463.7	475.9	463.7	488.1	512.5	500.3	512.5	512.5	500.3	488.1	512.5
72.5°	427.1	427.1	427.1	427.1	463.7	463.7	463.7	475.9	463.7	451.5	463.7
75°	378.3	378.3	378.3	390.5	414.9	414.9	414.9	414.9	414.9	402.7	402.7
77.5°	329.5	341.7	329.5	341.7	366.1	353.9	366.1	378.3	366.1	353.9	353.9
80°	280.7	280.7	280.7	292.9	305.1	305.1	305.1	317.3	305.1	292.9	292.9
82.5°	219.6	219.6	231.8	231.8	244.1	244.1	244.1	256.3	244.1	231.8	231.8
85°	170.8	170.8	170.8	183.0	183.0	195.2	195.2	207.4	207.4	195.2	195.2
87.5°	109.8	97.6	109.8	109.8	122.0	122.0	109.8	97.6	109.8	97.6	85.4
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: P599106  
 CATALOG NUMBER: IFLD-L-SA8B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8	8785.8
2.5°	8017.1	8236.7	8395.4	8505.2	8663.8	8968.9	9090.9	9310.6	9371.6	9408.2
5°	6894.4	7126.3	7468.0	7712.0	7992.7	8566.2	9005.5	9335.0	9481.4	9615.6
7.5°	5405.7	5710.8	6064.7	6381.9	6845.6	7553.4	8126.9	8810.2	9066.5	9200.7
10°	4222.1	4502.7	4893.2	5283.7	5930.4	6528.4	7345.9	7968.3	8322.1	8419.8
12.5°	3563.1	3892.6	4356.3	4832.2	5234.9	5918.2	6748.0	7651.0	7980.5	8041.5
15°	3026.2	3477.7	3953.6	4441.7	4905.4	5503.4	6394.1	7492.4	7980.5	8041.5
17.5°	2501.5	2904.2	3465.5	3990.2	4527.1	5344.7	6455.2	7626.6	8114.7	8297.7
20°	1989.0	2379.5	2818.8	3477.7	4209.9	5076.3	6589.4	8078.1	8724.8	8920.1
22.5°	1647.3	1818.2	2245.3	2879.8	3746.2	4893.2	6723.6	8785.8	9469.2	9542.4
25°	1439.9	1561.9	1830.4	2428.3	3380.1	4771.2	7040.9	9603.4	10482.0	10482.0
27.5°	1342.3	1391.1	1574.1	2111.0	3123.9	4661.4	7358.1	10506.4	11324.0	11494.8
30°	1317.9	1439.9	1537.5	1879.2	2843.2	4356.3	7651.0	11214.2	12056.1	12068.3
32.5°	1293.5	1269.1	1342.3	1635.1	2501.5	4039.0	7895.1	11934.1	12593.0	12629.6
35°	1012.8	1061.6	1183.6	1439.9	2245.3	3807.2	8017.1	12324.6	13276.4	13313.0
37.5°	951.8	1012.8	1110.4	1330.1	2074.4	3612.0	8053.7	13081.1	13996.3	14069.6
40°	927.4	976.2	1049.4	1232.5	1940.2	3367.9	8126.9	13862.1	15058.0	14960.3
42.5°	878.6	939.6	1012.8	1183.6	1830.4	3184.9	8139.1	14289.2	15619.3	15619.3
45°	866.4	903.0	988.4	1183.6	1708.4	3026.2	7943.9	14716.3	16266.0	16070.8
47.5°	817.6	890.8	964.0	1147.0	1561.9	2867.6	7712.0	14935.9	16351.4	16290.4
50°	805.4	878.6	1000.6	1086.0	1476.5	2794.4	7663.2	15485.0	16522.3	16510.1
52.5°	781.0	854.2	1037.2	1037.2	1366.7	2696.8	7895.1	15729.1	16558.9	16656.5
55°	744.4	854.2	964.0	951.8	1269.1	2574.7	8151.3	16363.6	17205.6	17181.2
57.5°	720.0	829.8	915.2	866.4	1159.2	2489.3	8529.6	16973.8	17986.6	17815.7
60°	683.3	829.8	817.6	805.4	1073.8	2416.1	8846.9	17095.8	18157.4	18267.2
62.5°	658.9	866.4	720.0	744.4	1000.6	2379.5	8712.6	16180.6	17925.6	18023.2
65°	634.5	744.4	658.9	683.3	976.2	2306.3	8187.9	15082.4	16925.0	17352.0
67.5°	585.7	610.1	610.1	634.5	951.8	2135.4	7114.1	13105.5	15399.6	15631.5
70°	536.9	549.1	549.1	585.7	927.4	1940.2	5869.4	11336.2	13361.8	13801.1
72.5°	488.1	488.1	488.1	536.9	854.2	1781.6	4832.2	8712.6	11104.3	11409.4
75°	427.1	427.1	427.1	475.9	768.8	1622.9	3807.2	6479.6	8175.7	8615.0
77.5°	378.3	378.3	366.1	427.1	671.1	1317.9	2745.6	4576.0	5759.6	6125.7
80°	317.3	305.1	305.1	341.7	524.7	951.8	1769.4	3233.7	4014.6	4173.3
82.5°	256.3	244.1	231.8	256.3	378.3	597.9	1098.2	2257.5	2574.7	2477.1
85°	244.1	256.3	207.4	195.2	268.5	390.5	695.5	1391.1	1159.2	1159.2
87.5°	97.6	85.4	85.4	73.2	134.2	146.4	305.1	256.3	195.2	195.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)