

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: P598870

Luminaire Tested: **IFLD-L-SA7C-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598870  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7C-722-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 2200K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

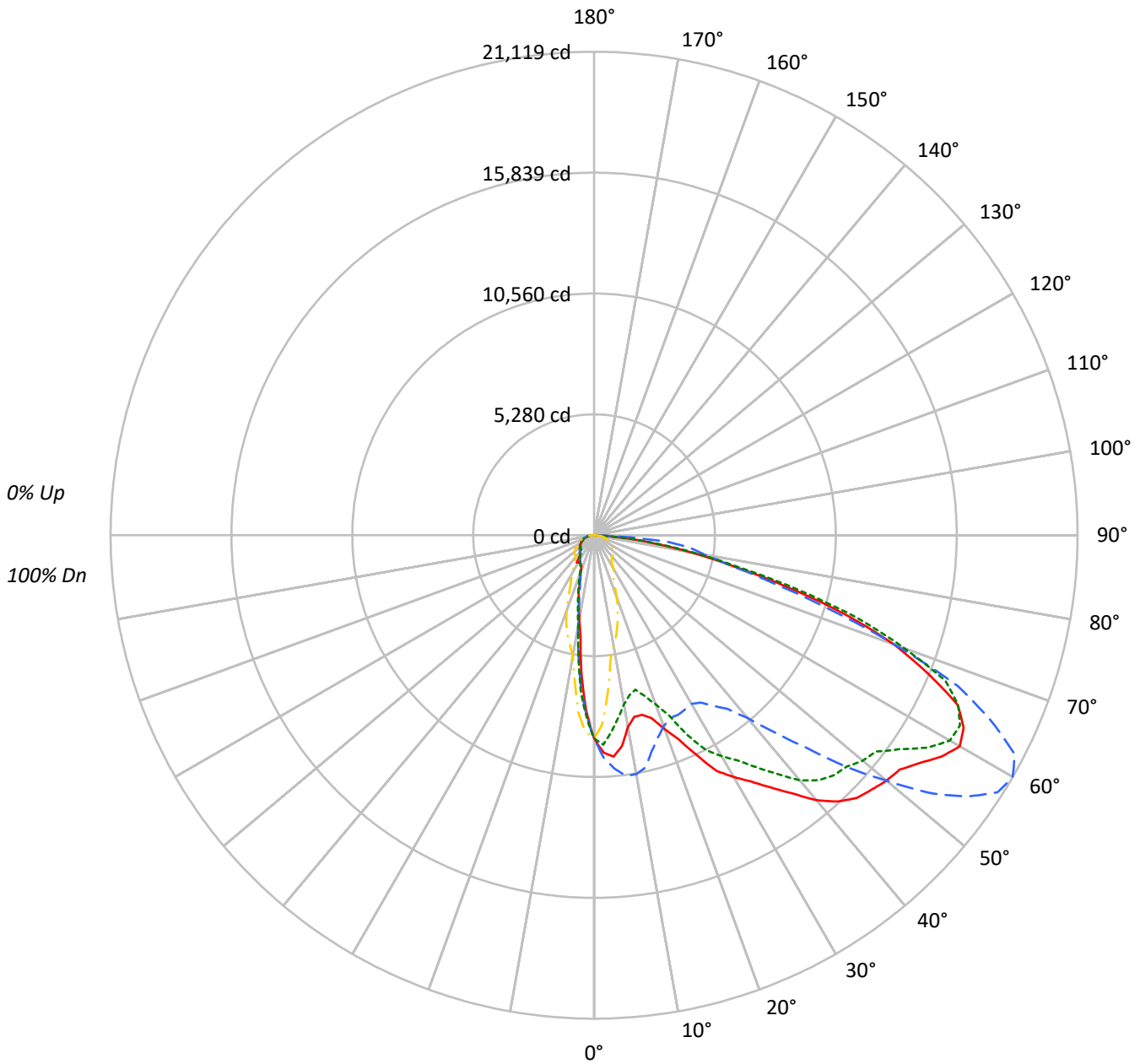
Lumens per Lamp: N/A  
 Luminaire Lumens: 27775.7 lumens  
 Efficiency: N/A  
 Efficacy: 75.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 369  
 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	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	28	22	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	47745	47745	47745	47745
5°	52455	46597	33416	36478
10°	46462	41008	20268	21750
15°	45242	38926	14349	14897
20°	51586	45023	9385	10373
25°	62852	57072	8195	8488
30°	75730	69221	8500	7887
35°	88320	81277	7043	6638
40°	106129	98166	6579	6232
45°	123510	112818	6658	6189
50°	139582	128234	6809	6396
55°	162784	152841	7052	6705
60°	198541	193104	7029	7029
65°	223126	223441	7218	7531
70°	219286	227042	7561	7756
75°	180887	192929	7943	8455
80°	130603	137096	8784	9165
85°	72280	77609	9893	12171

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.2	2.5
10°-20°	1455.1	5.2
20°-30°	2129.0	7.7
30°-40°	2999.6	10.8
40°-50°	4122.4	14.8
50°-60°	5618.3	20.2
60°-70°	6149.0	22.1
70°-80°	3550.0	12.8
80°-90°	1063.1	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°	4273.3	15.4
0°-40°	7272.9	26.2
0°-60°	17013.6	61.3
0°-90°	27775.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27775.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8871	8871	8871	8871	8871	
5°	9709	8625	6185	6752	9709	882
15°	8120	6986	2575	2674	8120	2372
25°	10584	9611	1380	1429	10584	4956
35°	13443	12371	1072	1010	13443	8524
45°	16227	14823	875	813	16227	12472
55°	17348	16289	752	715	17348	15653
65°	17521	17546	567	591	17521	16770
75°	8699	9278	382	407	8699	9344
85°	1170	1257	160	197	1170	1624
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°	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4
2.5°	9499.8	9462.8	9499.8	9635.3	9672.3	9733.9	9733.9	9647.7	9487.5	9413.5	9290.3
5°	9709.3	9647.7	9955.7	10239.1	10460.9	10436.2	10226.8	10054.3	9733.9	9253.4	8797.5
7.5°	9290.3	9351.9	9573.7	10313.0	10830.5	10929.1	10596.4	10251.4	9561.4	8896.0	8280.0
10°	8501.8	8588.0	9068.5	9832.5	10645.7	10805.9	10596.4	10177.5	9351.9	8526.4	7811.8
12.5°	8119.8	8316.9	8600.3	9524.4	10103.5	10485.5	10386.9	10115.9	9191.8	8218.4	7528.4
15°	8119.8	8169.1	8588.0	9364.3	9696.9	9709.3	9746.2	9795.5	9241.0	8353.9	7429.8
17.5°	8378.5	8514.1	8871.4	9351.9	9413.5	9265.7	9265.7	9475.2	9339.6	8735.9	7787.1
20°	9006.9	8957.7	9425.9	9623.0	9290.3	8920.7	8883.7	9241.0	9450.5	9142.5	8440.2
22.5°	9635.3	9857.1	10239.1	9795.5	9179.4	8686.6	8637.3	9080.9	9783.2	9844.8	9191.8
25°	10584.1	10805.9	11003.0	10460.9	9167.1	8625.0	8661.9	9006.9	10189.8	10842.8	10448.5
27.5°	11606.8	11742.3	12025.7	11187.8	9462.8	8551.0	8588.0	9105.5	10571.8	11495.9	11434.3
30°	12185.9	12333.7	12272.1	11323.4	9660.0	8600.3	8501.8	9241.0	10362.3	11495.9	12075.0
32.5°	12752.6	12666.4	12629.4	11545.1	9906.4	8908.4	8661.9	9524.4	10485.5	11680.7	12900.5
35°	13442.6	13319.4	13220.9	11976.4	10313.0	9204.1	9093.2	9894.1	10756.6	12062.6	13565.9
37.5°	14206.6	14206.6	13726.0	12296.8	10793.5	9684.6	9561.4	10423.9	11187.8	12296.8	14477.6
40°	15106.0	15143.0	14292.8	12728.0	11335.7	10448.5	10411.6	11113.9	11606.8	12641.8	15352.5
42.5°	15771.4	15796.0	14785.7	12888.2	11964.1	11508.2	11668.4	12222.8	12087.3	12949.8	15414.1
45°	16227.3	16104.1	15130.7	13344.1	12654.1	13097.6	13146.9	13307.1	12715.7	13134.6	15660.5
47.5°	16449.1	16424.4	15278.5	13873.9	14108.0	14711.7	14995.1	14773.4	13294.8	12937.5	15660.5
50°	16670.8	16461.4	15414.1	14600.9	15525.0	16744.8	16683.2	16276.6	14095.7	13183.9	15426.4
52.5°	16818.7	16633.9	15685.1	15253.9	16880.3	18260.3	18506.7	17755.1	15032.1	13639.8	15537.3
55°	17348.5	17200.7	16498.3	16141.0	18445.1	19862.1	19899.1	18851.7	16017.8	14391.4	16264.2
57.5°	17989.2	18075.5	17619.6	17397.8	19640.3	21032.6	20897.1	19664.9	16855.7	15303.2	17102.1
60°	18445.1	18580.7	18469.8	18494.4	20231.7	21426.9	21118.9	20170.1	17471.7	15993.2	18124.8
62.5°	18198.7	18469.8	18925.7	18827.1	20256.4	21143.5	20712.3	19504.8	17545.7	16892.6	18901.0
65°	17521.0	17545.7	18432.8	18974.9	19147.4	19677.3	19110.5	18112.4	16781.7	17447.1	18790.1
67.5°	15783.7	15980.8	16781.7	17841.4	17114.4	17237.6	17188.3	15746.7	15623.5	17065.1	17939.9
70°	13935.5	14071.0	14945.9	16190.3	14453.0	13873.9	13984.8	12912.8	13418.0	15882.3	16227.3
72.5°	11520.5	11606.8	12604.8	13701.4	11594.4	10559.4	10818.2	9943.4	10658.0	13898.5	13689.1
75°	8698.9	8859.1	9635.3	10929.1	8538.7	7873.4	8132.1	7774.8	8440.2	11446.6	10621.0
77.5°	6185.3	6062.1	7023.2	8551.0	6419.4	6025.2	6049.8	6111.4	6826.1	9647.7	7626.9
80°	4213.9	4250.9	5113.4	6271.6	5039.5	4977.8	4916.2	5409.1	5729.4	7639.3	5544.6
82.5°	2501.2	2501.2	3450.0	4460.3	3979.8	4485.0	4201.6	4645.2	4485.0	5618.6	3634.8
85°	1170.5	1170.5	1774.3	3215.9	3080.3	3696.4	3142.0	3511.6	3314.5	3918.2	1638.7
87.5°	197.1	172.5	357.3	1577.1	1269.1	1441.6	566.8	1872.9	2082.3	2735.3	406.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4
2.5°	9154.8	9068.5	8896.0	8674.3	8489.4	8255.3	8181.4	8021.2	7799.4	7774.8	7676.2
5°	8625.0	8329.3	7959.6	7503.7	7195.7	6875.3	6604.3	6444.1	6259.3	6234.6	6185.3
7.5°	8045.9	7676.2	7060.2	6518.0	5988.2	5483.0	5236.6	4928.6	4719.1	4558.9	4485.0
10°	7503.7	7158.7	6394.8	5655.5	5187.3	4854.6	4558.9	4238.6	3979.8	3782.7	3708.7
12.5°	7146.4	6739.8	5914.3	5211.9	4867.0	4485.0	4152.3	3807.3	3474.6	3215.9	3080.3
15°	6986.2	6604.3	5766.4	4990.2	4485.0	3955.2	3573.2	3228.2	2821.6	2636.8	2575.2
17.5°	7368.2	6801.4	5717.1	4731.4	4016.8	3413.0	2944.8	2575.2	2279.5	2094.6	2020.7
20°	7861.0	7158.7	5803.4	4423.4	3573.2	2895.5	2378.0	1983.7	1786.6	1651.1	1638.7
22.5°	8489.4	7688.5	5938.9	4201.6	3080.3	2328.7	1860.5	1626.4	1490.9	1478.6	1453.9
25°	9610.7	8649.6	6160.7	3905.9	2686.1	1922.1	1589.5	1453.9	1392.3	1355.4	1380.0
27.5°	10571.8	9278.0	6320.9	3721.1	2525.9	1811.2	1540.2	1392.3	1330.7	1318.4	1330.7
30°	11138.5	9857.1	6271.6	3376.1	2205.5	1725.0	1638.7	1589.5	1466.2	1367.7	1367.7
32.5°	11656.0	10226.8	6259.3	3068.0	1885.2	1441.6	1367.7	1330.7	1404.6	1453.9	1417.0
35°	12370.7	10805.9	6222.3	2895.5	1749.6	1330.7	1207.5	1108.9	1059.6	1035.0	1072.0
37.5°	13134.6	11200.1	6123.7	2870.9	1675.7	1269.1	1170.5	1072.0	1022.7	998.0	985.7
40°	13972.5	11619.1	6012.8	2747.7	1638.7	1232.1	1133.6	1047.3	985.7	948.7	936.4
42.5°	14514.6	11951.8	5901.9	2686.1	1564.8	1207.5	1096.6	1022.7	961.1	911.8	911.8
45°	14822.6	12346.0	5791.1	2624.5	1478.6	1219.8	1096.6	998.0	924.1	899.5	874.8
47.5°	14958.2	12641.8	5754.1	2525.9	1404.6	1170.5	1072.0	973.4	899.5	850.2	837.9
50°	15315.5	13270.1	5889.6	2452.0	1318.4	1121.2	1133.6	961.1	887.1	825.5	813.2
52.5°	15525.0	13775.3	6185.3	2341.1	1256.8	1059.6	1108.9	936.4	850.2	788.6	788.6
55°	16288.9	14613.2	6505.7	2254.8	1182.9	973.4	1022.7	887.1	788.6	751.6	751.6
57.5°	17262.3	15500.3	6776.8	2217.9	1133.6	911.8	911.8	862.5	751.6	702.3	690.0
60°	17939.9	16227.3	6936.9	2193.2	1084.3	850.2	813.2	862.5	714.6	665.4	653.0
62.5°	18013.9	15808.3	6776.8	2180.9	1072.0	788.6	739.3	825.5	677.7	628.4	603.7
65°	17545.7	14958.2	6333.2	2131.6	1059.6	727.0	690.0	714.6	628.4	591.4	566.8
67.5°	16609.2	13578.2	5692.5	2107.0	1047.3	677.7	628.4	616.1	579.1	542.1	517.5
70°	14428.4	11779.3	4940.9	1996.1	1022.7	640.7	566.8	554.5	517.5	492.9	480.5
72.5°	12111.9	9635.3	4078.4	1848.2	973.4	579.1	517.5	492.9	480.5	443.6	431.2
75°	9278.0	7417.5	3265.2	1638.7	850.2	517.5	455.9	431.2	418.9	394.3	382.0
77.5°	6518.0	5520.0	2415.0	1330.7	714.6	468.2	406.6	382.0	369.6	332.7	332.7
80°	4423.4	3868.9	1638.7	924.1	554.5	382.0	357.3	332.7	308.0	283.4	283.4
82.5°	2747.7	2710.7	1182.9	603.7	406.6	308.0	283.4	283.4	246.4	221.8	221.8
85°	1256.8	1663.4	825.5	418.9	308.0	234.1	234.1	221.8	197.1	160.2	160.2
87.5°	394.3	554.5	431.2	184.8	172.5	135.5	135.5	123.2	123.2	98.6	98.6
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°	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4
2.5°	7774.8	7762.5	7762.5	7713.2	7836.4	7836.4	7910.3	7848.7	7885.7	7898.0	7996.6
5°	6173.0	6271.6	6345.5	6493.4	6579.6	6616.6	6616.6	6715.2	6678.2	6752.1	6900.0
7.5°	4522.0	4645.2	4867.0	5051.8	5199.6	5248.9	5236.6	5261.2	5298.2	5211.9	5236.6
10°	3659.5	3573.2	3647.1	3819.6	3955.2	4115.3	3992.1	3979.8	4016.8	3979.8	4053.7
12.5°	3055.7	2957.1	2895.5	2895.5	2994.1	3068.0	3031.1	3092.7	3228.2	3265.2	3351.4
15°	2476.6	2390.4	2341.1	2279.5	2378.0	2402.7	2439.6	2525.9	2624.5	2673.7	2772.3
17.5°	1983.7	1983.7	1983.7	1934.5	1971.4	2008.4	2020.7	2131.6	2143.9	2193.2	2230.2
20°	1626.4	1663.4	1725.0	1749.6	1786.6	1786.6	1762.0	1823.6	1774.3	1811.2	1835.9
22.5°	1466.2	1515.5	1540.2	1552.5	1601.8	1614.1	1552.5	1564.8	1577.1	1540.2	1552.5
25°	1380.0	1404.6	1380.0	1392.3	1404.6	1380.0	1392.3	1417.0	1404.6	1429.3	1417.0
27.5°	1343.0	1318.4	1306.1	1293.7	1293.7	1269.1	1281.4	1281.4	1306.1	1318.4	1318.4
30°	1343.0	1306.1	1256.8	1219.8	1219.8	1182.9	1207.5	1232.1	1244.5	1269.1	1269.1
32.5°	1380.0	1306.1	1219.8	1182.9	1145.9	1121.2	1145.9	1182.9	1232.1	1244.5	1256.8
35°	1096.6	1133.6	1121.2	1072.0	1059.6	1059.6	1047.3	1047.3	1010.4	1010.4	998.0
37.5°	985.7	973.4	998.0	1010.4	1022.7	985.7	985.7	936.4	924.1	936.4	936.4
40°	924.1	924.1	924.1	961.1	973.4	948.7	911.8	887.1	887.1	887.1	899.5
42.5°	899.5	874.8	862.5	887.1	924.1	899.5	862.5	850.2	850.2	862.5	862.5
45°	862.5	850.2	837.9	825.5	874.8	837.9	825.5	813.2	813.2	813.2	825.5
47.5°	825.5	813.2	788.6	788.6	800.9	788.6	776.2	776.2	776.2	800.9	800.9
50°	800.9	788.6	763.9	763.9	763.9	763.9	751.6	751.6	751.6	763.9	776.2
52.5°	763.9	751.6	739.3	727.0	727.0	727.0	727.0	727.0	727.0	739.3	751.6
55°	727.0	714.6	702.3	702.3	714.6	714.6	702.3	714.6	702.3	714.6	727.0
57.5°	690.0	677.7	665.4	677.7	690.0	677.7	677.7	677.7	677.7	677.7	690.0
60°	640.7	640.7	640.7	640.7	665.4	665.4	665.4	665.4	640.7	653.0	665.4
62.5°	616.1	603.7	603.7	616.1	628.4	628.4	640.7	628.4	616.1	628.4	628.4
65°	566.8	566.8	566.8	579.1	579.1	591.4	591.4	591.4	579.1	591.4	591.4
67.5°	529.8	529.8	529.8	529.8	554.5	554.5	554.5	554.5	542.1	542.1	554.5
70°	468.2	480.5	468.2	492.9	517.5	505.2	517.5	517.5	505.2	492.9	517.5
72.5°	431.2	431.2	431.2	431.2	468.2	468.2	468.2	480.5	468.2	455.9	468.2
75°	382.0	382.0	382.0	394.3	418.9	418.9	418.9	418.9	418.9	406.6	406.6
77.5°	332.7	345.0	332.7	345.0	369.6	357.3	369.6	382.0	369.6	357.3	357.3
80°	283.4	283.4	283.4	295.7	308.0	308.0	308.0	320.4	308.0	295.7	295.7
82.5°	221.8	221.8	234.1	234.1	246.4	246.4	246.4	258.7	246.4	234.1	234.1
85°	172.5	172.5	172.5	184.8	184.8	197.1	197.1	209.5	209.5	197.1	197.1
87.5°	110.9	98.6	110.9	110.9	123.2	123.2	110.9	98.6	110.9	98.6	86.2
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: P598870  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4	8871.4
2.5°	8095.2	8316.9	8477.1	8588.0	8748.2	9056.2	9179.4	9401.2	9462.8	9499.8
5°	6961.6	7195.7	7540.7	7787.1	8070.5	8649.6	9093.2	9425.9	9573.7	9709.3
7.5°	5458.4	5766.4	6123.7	6444.1	6912.3	7626.9	8206.0	8896.0	9154.8	9290.3
10°	4263.2	4546.6	4940.9	5335.2	5988.2	6591.9	7417.5	8045.9	8403.2	8501.8
12.5°	3597.8	3930.5	4398.7	4879.3	5285.9	5975.9	6813.7	7725.5	8058.2	8119.8
15°	3055.7	3511.6	3992.1	4485.0	4953.2	5556.9	6456.4	7565.3	8058.2	8119.8
17.5°	2525.9	2932.5	3499.3	4029.1	4571.2	5396.8	6518.0	7700.9	8193.7	8378.5
20°	2008.4	2402.7	2846.2	3511.6	4250.9	5125.7	6653.6	8156.8	8809.8	9006.9
22.5°	1663.4	1835.9	2267.1	2907.8	3782.7	4940.9	6789.1	8871.4	9561.4	9635.3
25°	1453.9	1577.1	1848.2	2452.0	3413.0	4817.7	7109.4	9696.9	10584.1	10584.1
27.5°	1355.4	1404.6	1589.5	2131.6	3154.3	4706.8	7429.8	10608.7	11434.3	11606.8
30°	1330.7	1453.9	1552.5	1897.5	2870.9	4398.7	7725.5	11323.4	12173.5	12185.9
32.5°	1306.1	1281.4	1355.4	1651.1	2525.9	4078.4	7971.9	12050.3	12715.7	12752.6
35°	1022.7	1072.0	1195.2	1453.9	2267.1	3844.3	8095.2	12444.6	13405.7	13442.6
37.5°	961.1	1022.7	1121.2	1343.0	2094.6	3647.1	8132.1	13208.5	14132.6	14206.6
40°	936.4	985.7	1059.6	1244.5	1959.1	3400.7	8206.0	13997.1	15204.6	15106.0
42.5°	887.1	948.7	1022.7	1195.2	1848.2	3215.9	8218.4	14428.4	15771.4	15771.4
45°	874.8	911.8	998.0	1195.2	1725.0	3055.7	8021.2	14859.6	16424.4	16227.3
47.5°	825.5	899.5	973.4	1158.2	1577.1	2895.5	7787.1	15081.4	16510.7	16449.1
50°	813.2	887.1	1010.4	1096.6	1490.9	2821.6	7737.8	15635.8	16683.2	16670.8
52.5°	788.6	862.5	1047.3	1047.3	1380.0	2723.0	7971.9	15882.3	16720.1	16818.7
55°	751.6	862.5	973.4	961.1	1281.4	2599.8	8230.7	16523.0	17373.2	17348.5
57.5°	727.0	837.9	924.1	874.8	1170.5	2513.6	8612.7	17139.1	18161.7	17989.2
60°	690.0	837.9	825.5	813.2	1084.3	2439.6	8933.0	17262.3	18334.2	18445.1
62.5°	665.4	874.8	727.0	751.6	1010.4	2402.7	8797.5	16338.2	18100.1	18198.7
65°	640.7	751.6	665.4	690.0	985.7	2328.7	8267.7	15229.2	17089.8	17521.0
67.5°	591.4	616.1	616.1	640.7	961.1	2156.2	7183.4	13233.2	15549.6	15783.7
70°	542.1	554.5	554.5	591.4	936.4	1959.1	5926.6	11446.6	13491.9	13935.5
72.5°	492.9	492.9	492.9	542.1	862.5	1798.9	4879.3	8797.5	11212.5	11520.5
75°	431.2	431.2	431.2	480.5	776.2	1638.7	3844.3	6542.7	8255.3	8698.9
77.5°	382.0	382.0	369.6	431.2	677.7	1330.7	2772.3	4620.5	5815.7	6185.3
80°	320.4	308.0	308.0	345.0	529.8	961.1	1786.6	3265.2	4053.7	4213.9
82.5°	258.7	246.4	234.1	258.7	382.0	603.7	1108.9	2279.5	2599.8	2501.2
85°	246.4	258.7	209.5	197.1	271.1	394.3	702.3	1404.6	1170.5	1170.5
87.5°	98.6	86.2	86.2	73.9	135.5	147.9	308.0	258.7	197.1	197.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)