

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: P598840

Luminaire Tested: **IFLD-L-SA7B-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598840  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7B-830-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (112) 3000K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

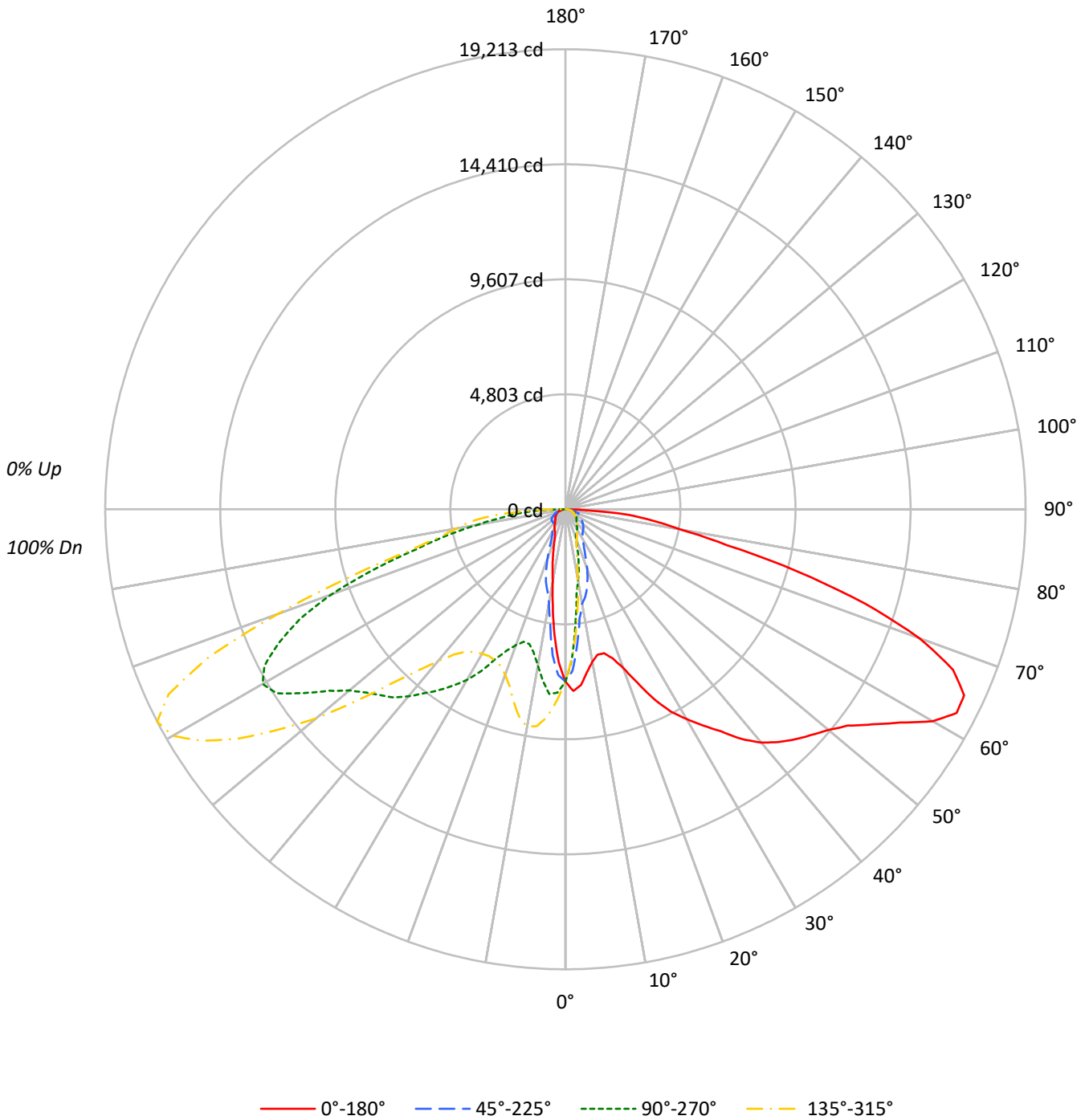
Lumens per Lamp: N/A  
 Luminaire Lumens: 24069.1 lumens  
 Efficiency: N/A  
 Efficacy: 85.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

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

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### Luminous Intensity Polar Plot



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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	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	102	102	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	79	79	79	79	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	61	61	61	61	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	48	48	48	48	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	39	39	39	39	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	32	32	32	32	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	27	27	27	27	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	23	23	23	23	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	20	20	20	20	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	18	18	18	18	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	16	16	16	16	14		

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

	0°	90°	180°	270°
0°	38696	38696	38696	38696
5°	39822	25896	28289	41835
10°	35331	16455	16620	36156
15°	34675	11670	11053	32430
20°	40314	7382	7440	34547
25°	51845	6339	6159	40842
30°	62830	6008	5632	51128
35°	74364	5293	5094	60603
40°	89354	5023	4669	71596
45°	103393	4982	4522	83466
50°	120062	5059	4553	98563
55°	146928	5196	4630	125574
60°	190551	5203	4877	157058
65°	233905	5258	5001	168120
70°	247510	5545	5229	163687
75°	208348	5864	5234	133595
80°	151369	6865	5306	115479
85°	160429	9948	4353	120013

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.4	2.3
10°-20°	1164.5	4.8
20°-30°	1678.2	7.0
30°-40°	2416.0	10.0
40°-50°	3431.7	14.3
50°-60°	4933.9	20.5
60°-70°	5700.2	23.7
70°-80°	3227.6	13.4
80°-90°	960.5	4.0
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°	3399.2	14.1
0°-40°	5815.2	24.2
0°-60°	14180.8	58.9
0°-90°	24069.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24069.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7190	7190	7190	7190	7190	
5°	7371	4793	5236	7744	7371	669
15°	6223	2094	1984	5820	6223	1830
25°	8731	1067	1037	6878	8731	4052
35°	11318	806	775	9224	11318	7183
45°	13584	654	594	10966	13584	10519
55°	15659	554	493	13383	15659	14181
65°	18367	413	393	13202	18367	17613
75°	10020	282	252	6425	10020	10631
85°	2598	161	70	1944	2598	2587
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°	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9
2.5°	7592.7	7582.6	7522.2	7330.9	7129.5	6938.1	6756.9	6565.6	6464.9	6344.0	6293.7
5°	7371.1	7351.0	7179.8	6756.9	6384.3	5981.5	5639.1	5367.2	5145.7	4924.2	4843.6
7.5°	6867.7	6837.4	6636.0	6052.0	5508.2	4984.6	4571.7	4219.3	3927.2	3796.3	3645.3
10°	6464.9	6414.5	6152.7	5508.2	4803.3	4279.7	4007.8	3766.1	3514.4	3302.9	3081.4
12.5°	6213.1	6152.7	5880.8	5125.6	4440.8	4048.1	3766.1	3494.2	3182.1	2920.3	2678.6
15°	6223.2	6152.7	5820.4	5024.9	4350.2	3846.7	3454.0	3081.4	2718.9	2426.8	2155.0
17.5°	6515.2	6424.6	6072.1	5165.8	4279.7	3584.9	3061.2	2577.9	2165.0	1852.9	1631.3
20°	7038.8	6978.4	6575.6	5377.3	4209.2	3302.9	2658.4	2074.4	1641.4	1399.7	1309.1
22.5°	7824.3	7753.8	7320.8	5699.5	4189.1	3051.2	2225.4	1631.3	1319.2	1218.5	1168.1
25°	8730.6	8599.7	8196.9	6243.3	4229.3	2819.6	1873.0	1349.4	1178.2	1107.7	1077.5
27.5°	9516.0	9435.5	8982.3	6756.9	4249.5	2638.3	1631.3	1228.5	1097.6	1037.2	1017.1
30°	10110.2	10079.9	9636.9	7320.8	4199.1	2416.8	1480.3	1178.2	1097.6	1037.2	976.8
32.5°	10704.3	10714.3	10241.1	7753.8	4128.6	2225.4	1339.3	1047.3	966.7	926.4	936.5
35°	11318.5	11368.9	10966.1	8176.7	3977.6	2155.0	1238.6	976.8	906.3	845.9	815.7
37.5°	12093.9	12224.8	11832.1	8650.0	3826.6	2094.5	1188.2	926.4	855.9	805.6	765.3
40°	12718.2	12959.9	12728.3	9093.1	3725.9	2024.0	1148.0	876.1	825.7	765.3	735.1
42.5°	13181.5	13463.4	13382.9	9435.5	3725.9	1953.6	1107.7	845.9	805.6	735.1	694.8
45°	13584.3	13876.3	13866.2	9787.9	3806.4	1913.3	1057.3	845.9	785.4	715.0	674.7
47.5°	13946.8	14238.8	14339.5	10231.0	3937.3	1893.1	996.9	825.7	785.4	704.9	644.5
50°	14339.5	14661.7	14963.8	10935.9	4098.4	1842.8	956.6	795.5	795.5	694.8	624.3
52.5°	14843.0	15205.5	15759.3	11812.0	4259.6	1752.2	896.2	775.4	795.5	684.8	604.2
55°	15658.7	15960.7	16685.8	12859.2	4461.0	1641.4	845.9	725.0	755.2	654.5	574.0
57.5°	16575.0	16836.8	17441.0	13664.8	4521.4	1500.4	775.4	674.7	725.0	624.3	533.7
60°	17702.8	17833.7	17833.7	13896.4	4320.0	1369.5	725.0	634.4	654.5	594.1	503.5
62.5°	18417.8	18417.8	17833.7	13473.5	3937.3	1258.7	684.8	594.1	574.0	553.8	473.3
65°	18367.4	18286.9	17420.9	12245.0	3494.2	1188.2	644.5	543.8	513.6	503.5	443.1
67.5°	17521.6	17380.6	16202.4	10512.9	3031.0	1158.0	604.2	493.4	473.3	453.1	402.8
70°	15729.1	15366.6	13916.6	8458.7	2577.9	1137.9	594.1	453.1	433.0	412.9	372.6
72.5°	13131.1	12667.9	10865.4	6505.1	2165.0	1067.4	563.9	402.8	392.7	372.6	332.3
75°	10019.5	9163.6	7582.6	4974.5	1681.7	926.4	483.4	352.4	352.4	342.4	302.1
77.5°	6907.9	6464.9	5286.7	3675.5	1228.5	715.0	392.7	312.2	312.2	322.2	282.0
80°	4883.9	4471.0	3766.1	2638.3	775.4	483.4	302.1	261.8	292.0	312.2	261.8
82.5°	3735.9	3433.8	2799.4	1923.3	453.1	332.3	231.6	211.5	251.7	271.9	221.5
85°	2598.0	2235.5	1419.9	1288.9	261.8	201.4	171.2	171.2	221.5	271.9	201.4
87.5°	735.1	312.2	90.6	382.7	110.8	80.6	60.4	40.3	60.4	60.4	40.3
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°	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9
2.5°	6243.3	6182.9	6182.9	6162.8	6172.8	6182.9	6172.8	6243.3	6273.5	6313.8	6394.4
5°	4793.3	4873.8	4813.4	4873.8	4954.4	5075.2	5105.4	5196.1	5206.1	5276.6	5236.3
7.5°	3554.7	3544.6	3494.2	3564.7	3786.3	3957.5	4038.0	4088.4	4098.4	4098.4	4048.1
10°	3010.9	2920.3	2829.6	2779.3	2799.4	2980.7	3041.1	3071.3	3051.2	3081.4	3041.1
12.5°	2577.9	2497.3	2366.4	2275.8	2215.4	2265.7	2326.1	2356.3	2376.5	2426.8	2467.1
15°	2094.5	2014.0	1933.4	1883.1	1832.7	1792.4	1842.8	1873.0	1923.3	1963.6	1983.8
17.5°	1591.0	1550.8	1510.5	1540.7	1540.7	1520.6	1540.7	1550.8	1570.9	1601.1	1591.0
20°	1288.9	1278.9	1268.8	1319.2	1359.4	1359.4	1379.6	1349.4	1339.3	1309.1	1299.0
22.5°	1148.0	1148.0	1158.0	1198.3	1238.6	1258.7	1258.7	1208.4	1158.0	1137.9	1148.0
25°	1067.4	1067.4	1097.6	1107.7	1127.8	1127.8	1137.9	1087.5	1057.3	1027.1	1037.2
27.5°	1007.0	1007.0	1017.1	1017.1	1027.1	1027.1	1037.2	1017.1	976.8	966.7	966.7
30°	966.7	966.7	956.6	956.6	956.6	956.6	966.7	936.5	916.4	906.3	906.3
32.5°	926.4	916.4	906.3	906.3	896.2	896.2	906.3	876.1	866.0	866.0	866.0
35°	805.6	795.5	805.6	825.7	825.7	835.8	835.8	825.7	805.6	785.4	775.4
37.5°	755.2	745.2	745.2	745.2	765.3	775.4	785.4	765.3	735.1	704.9	704.9
40°	715.0	715.0	704.9	704.9	704.9	725.0	745.2	715.0	674.7	664.6	664.6
42.5°	684.8	674.7	664.6	654.5	644.5	674.7	694.8	654.5	634.4	634.4	634.4
45°	654.5	644.5	634.4	624.3	614.3	624.3	644.5	604.2	594.1	594.1	594.1
47.5°	624.3	614.3	594.1	584.1	574.0	574.0	594.1	563.9	553.8	563.9	563.9
50°	604.2	584.1	563.9	553.8	543.8	543.8	543.8	533.7	533.7	533.7	543.8
52.5°	584.1	563.9	533.7	523.6	513.6	513.6	513.6	513.6	503.5	513.6	523.6
55°	553.8	533.7	513.6	503.5	493.4	483.4	493.4	483.4	483.4	493.4	493.4
57.5°	513.6	493.4	473.3	473.3	463.2	463.2	473.3	463.2	463.2	473.3	473.3
60°	483.4	463.2	443.1	443.1	433.0	443.1	453.1	443.1	443.1	443.1	453.1
62.5°	443.1	433.0	412.9	412.9	412.9	412.9	422.9	412.9	422.9	422.9	422.9
65°	412.9	392.7	382.7	382.7	382.7	382.7	402.8	382.7	392.7	392.7	392.7
67.5°	382.7	362.5	352.4	352.4	352.4	352.4	372.6	352.4	362.5	372.6	362.5
70°	352.4	332.3	322.2	322.2	322.2	322.2	332.3	322.2	322.2	332.3	332.3
72.5°	312.2	302.1	292.0	292.0	282.0	292.0	302.1	292.0	292.0	292.0	292.0
75°	282.0	271.9	271.9	261.8	261.8	261.8	271.9	251.7	251.7	251.7	251.7
77.5°	261.8	241.7	241.7	241.7	231.6	241.7	231.6	211.5	211.5	211.5	211.5
80°	221.5	201.4	211.5	211.5	201.4	201.4	191.3	171.2	171.2	171.2	171.2
82.5°	181.3	161.1	171.2	171.2	171.2	171.2	151.0	141.0	130.9	120.8	120.8
85°	161.1	130.9	151.0	151.0	141.0	141.0	100.7	100.7	80.6	80.6	70.5
87.5°	30.2	20.1	40.3	50.3	50.3	60.4	40.3	50.3	30.2	20.1	20.1
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°	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9
2.5°	6384.3	6495.1	6646.1	6756.9	6928.1	7059.0	7260.4	7431.6	7592.7	7663.2	7733.7
5°	5357.2	5427.7	5659.3	5840.5	6112.4	6404.4	6767.0	7159.7	7562.5	7743.7	7955.2
7.5°	4007.8	4138.7	4269.6	4531.4	4863.7	5337.0	5800.2	6384.3	6948.2	7220.1	7582.6
10°	3111.6	3212.3	3363.3	3635.2	3947.4	4340.1	4894.0	5588.8	6263.5	6615.9	6988.5
12.5°	2497.3	2638.3	2839.7	3121.7	3484.2	3887.0	4289.8	4934.2	5719.7	6122.5	6545.4
15°	2024.0	2134.8	2356.3	2708.8	3131.7	3544.6	3967.5	4501.2	5357.2	5820.4	6323.9
17.5°	1611.2	1691.7	1893.1	2245.6	2668.5	3131.7	3615.1	4289.8	5236.3	5800.2	6394.4
20°	1309.1	1369.5	1500.4	1762.2	2165.0	2668.5	3272.7	4088.4	5306.8	6031.9	6756.9
22.5°	1148.0	1168.1	1228.5	1369.5	1701.8	2235.5	2960.5	3917.2	5437.7	6374.2	7351.0
25°	1037.2	1057.3	1077.5	1168.1	1359.4	1862.9	2688.7	3816.5	5719.7	6877.7	8035.8
27.5°	966.7	986.8	996.9	1037.2	1168.1	1591.0	2457.0	3756.1	6102.3	7612.8	8881.6
30°	906.3	906.3	936.5	996.9	1087.5	1399.7	2255.7	3615.1	6505.1	8227.1	9546.2
32.5°	855.9	866.0	906.3	936.5	996.9	1238.6	2054.3	3433.8	6867.7	8730.6	10200.8
35°	765.3	765.3	775.4	825.7	906.3	1107.7	1873.0	3252.6	7069.0	9224.0	10784.8
37.5°	704.9	715.0	735.1	775.4	845.9	1017.1	1721.9	3051.2	7280.5	9687.2	11469.6
40°	664.6	674.7	694.8	735.1	805.6	936.5	1591.0	2890.1	7502.1	10190.7	12204.7
42.5°	634.4	644.5	664.6	704.9	765.3	916.4	1450.1	2759.1	7633.0	10653.9	12899.5
45°	604.2	614.3	644.5	684.8	735.1	896.2	1369.5	2668.5	7683.3	10966.1	13453.3
47.5°	574.0	584.1	614.3	674.7	735.1	866.0	1339.3	2618.2	7723.6	11318.5	13896.4
50°	543.8	563.9	604.2	664.6	745.2	825.7	1319.2	2608.1	7955.2	11771.7	14319.4
52.5°	523.6	553.8	594.1	664.6	735.1	765.3	1309.1	2638.3	8418.4	12446.4	14923.5
55°	503.5	533.7	574.0	664.6	704.9	715.0	1258.7	2688.7	9123.3	13382.9	15779.5
57.5°	483.4	503.5	553.8	644.5	664.6	674.7	1158.0	2759.1	9828.2	14299.2	16655.6
60°	453.1	473.3	523.6	644.5	604.2	634.4	1027.1	2779.3	10331.7	14591.2	16736.1
62.5°	422.9	443.1	493.4	664.6	553.8	594.1	916.4	2708.8	10432.4	14168.3	16283.0
65°	392.7	412.9	453.1	553.8	513.6	553.8	845.9	2517.5	10100.1	13201.6	15457.3
67.5°	362.5	382.7	412.9	453.1	463.2	503.5	815.7	2215.4	9264.3	12003.3	14329.4
70°	322.2	342.4	372.6	402.8	412.9	473.3	765.3	1923.3	7914.9	10402.2	12949.9
72.5°	292.0	302.1	332.3	352.4	372.6	433.0	735.1	1681.7	6052.0	8418.4	10563.3
75°	251.7	251.7	282.0	302.1	322.2	382.7	674.7	1399.7	4269.6	6424.6	7763.9
77.5°	211.5	211.5	231.6	251.7	271.9	332.3	574.0	1137.9	2960.5	5095.4	5629.1
80°	161.1	161.1	181.3	201.4	221.5	282.0	463.2	835.8	1832.7	3725.9	4098.4
82.5°	110.8	110.8	141.0	151.0	161.1	221.5	352.4	574.0	1077.5	2688.7	2930.3
85°	60.4	60.4	80.6	90.6	110.8	161.1	261.8	402.8	644.5	1943.5	1953.6
87.5°	10.1	10.1	30.2	30.2	50.3	80.6	151.0	221.5	362.5	1077.5	684.8
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: P598840  
 CATALOG NUMBER: IFLD-L-SA7B-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9	7189.9
2.5°	7864.6	7975.3	7985.4	7985.4	7935.1	7945.1	7804.2	7653.1	7602.8	7592.7
5°	8277.4	8569.5	8650.0	8690.3	8559.4	8358.0	7995.5	7602.8	7401.4	7371.1
7.5°	8196.9	8780.9	9093.1	9133.4	8871.6	8398.3	7763.9	7159.7	6928.1	6867.7
10°	7723.6	8509.0	9073.0	9213.9	8932.0	8327.8	7502.1	6797.2	6515.2	6464.9
12.5°	7391.3	8146.5	8700.4	8891.7	8760.8	8237.2	7371.1	6565.6	6283.6	6213.1
15°	7210.0	7904.8	8267.4	8327.8	8317.7	8096.2	7371.1	6615.9	6303.7	6223.2
17.5°	7361.1	7834.4	7884.7	7743.7	7824.3	7935.1	7532.3	6887.8	6585.7	6515.2
20°	7663.2	7804.2	7562.5	7351.0	7391.3	7743.7	7784.0	7401.4	7159.7	7038.8
22.5°	8297.6	7914.9	7361.1	7069.0	7099.3	7592.7	8116.3	8096.2	7884.7	7824.3
25°	8942.0	8227.1	7300.7	6958.3	6998.6	7562.5	8509.0	8871.6	8760.8	8730.6
27.5°	9657.0	8750.7	7340.9	6907.9	6958.3	7602.8	8780.9	9526.1	9546.2	9516.0
30°	10140.4	9002.5	7461.8	6968.4	7038.8	7703.5	8841.3	9918.8	10100.1	10110.2
32.5°	10543.2	9254.2	7713.5	7069.0	7189.9	7884.7	9002.5	10291.4	10694.2	10704.3
35°	10865.4	9536.2	8025.7	7250.3	7431.6	8186.8	9213.9	10643.9	11248.0	11318.5
37.5°	11278.3	9848.3	8388.2	7643.0	7844.4	8619.8	9586.5	11056.7	11902.6	12093.9
40°	11721.3	10160.5	8911.8	8277.4	8569.5	9264.3	10009.5	11519.9	12456.4	12718.2
42.5°	12214.8	10492.8	9506.0	9133.4	9576.4	10079.9	10492.8	11942.9	12879.4	13181.5
45°	12698.1	10895.6	10372.0	10301.5	10794.9	11046.6	10966.1	12245.0	13282.2	13584.3
47.5°	13040.5	11479.7	11419.2	11842.2	12305.4	12174.5	11519.9	12466.5	13614.5	13946.8
50°	13352.6	12204.7	12738.4	13564.1	13846.1	13403.0	12114.1	12768.6	13966.9	14339.5
52.5°	13815.9	12980.1	14097.8	15124.9	15396.8	14691.9	12758.5	13262.0	14510.7	14843.0
55°	14762.4	13856.1	15517.7	16695.8	16746.2	15870.1	13624.5	14097.8	15276.0	15658.7
57.5°	15819.8	14933.6	16645.5	17994.9	17974.7	17048.3	14601.3	15225.6	16313.2	16575.0
60°	16776.4	16021.2	17874.0	18921.3	18870.9	17904.2	15739.2	16504.5	17501.4	17702.8
62.5°	17340.3	17008.0	18417.8	19213.3	19022.0	18186.2	16705.9	17642.4	18347.3	18417.8
65°	17249.7	17571.9	17783.4	18276.8	18004.9	17400.7	17179.2	18367.4	18437.9	18367.4
67.5°	16564.9	17249.7	16041.3	16091.7	15950.7	15437.1	16444.1	18176.1	17692.8	17521.6
70°	15527.7	15578.1	13413.1	12778.7	13000.2	12295.3	14107.9	16685.8	15940.6	15729.1
72.5°	13805.8	13181.5	10140.4	9495.9	9828.2	9324.7	11318.5	14540.9	13815.9	13131.1
75°	11580.4	10442.5	7723.6	6807.2	6978.4	6958.3	8770.9	12013.4	10704.3	10019.5
77.5°	8972.3	8136.5	5699.5	5347.1	5165.8	5206.1	6122.5	8932.0	7763.9	6907.9
80°	6555.5	5689.5	4410.6	4612.0	4511.3	4269.6	4289.8	5981.5	5397.5	4883.9
82.5°	4531.4	4048.1	3574.8	4038.0	3796.3	3423.8	3343.2	4309.9	4048.1	3735.9
85°	3041.1	3333.1	2839.7	3091.5	2678.6	2467.1	3141.8	3605.0	2910.2	2598.0
87.5°	1983.8	3051.2	2044.2	1550.8	886.1	1188.2	1923.3	2366.4	1359.4	735.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)