

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: P598643

Luminaire Tested: **IFLD-L-SA8C-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598643  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8C-727-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (128) 2700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

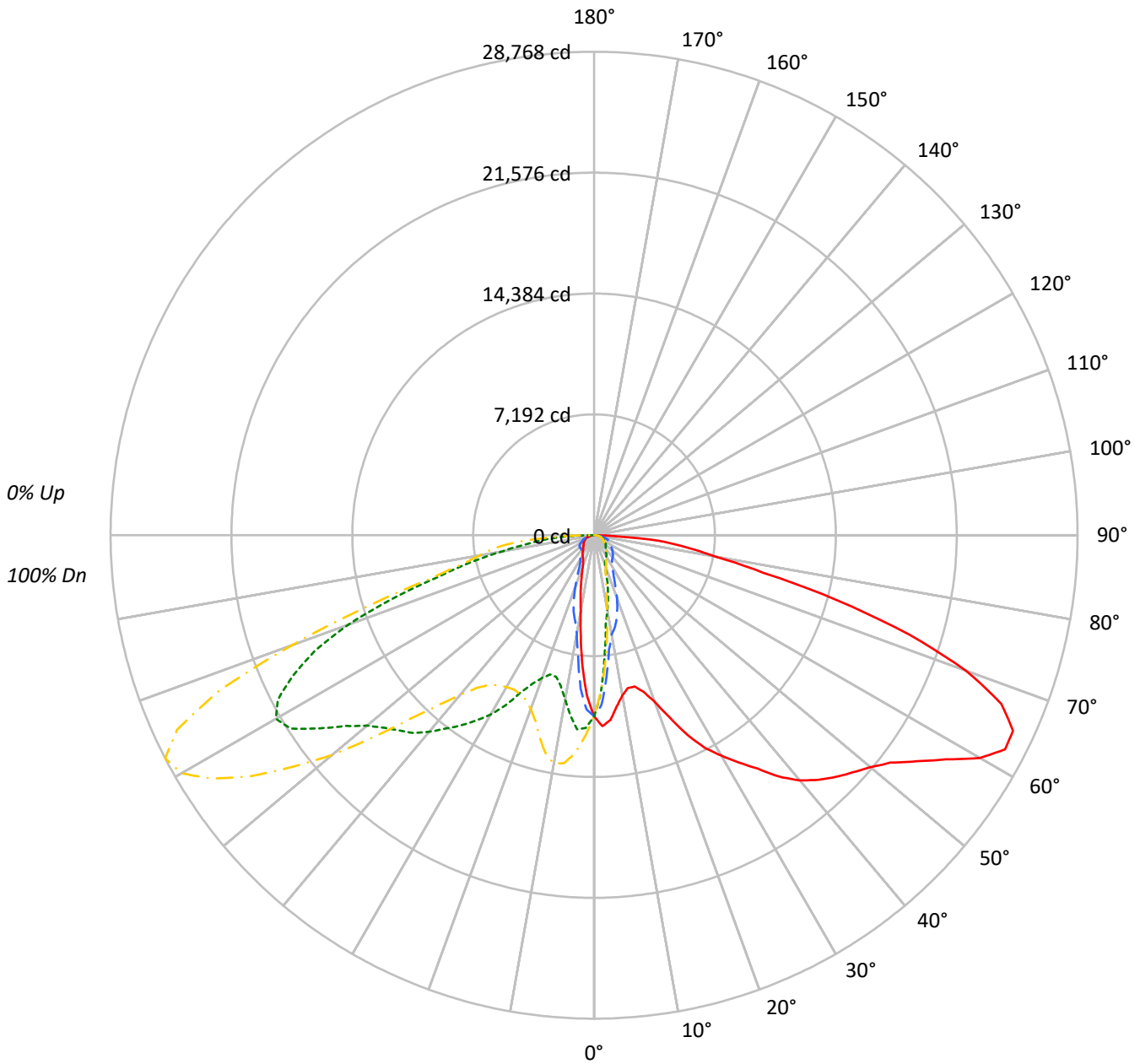
Lumens per Lamp: N/A  
 Luminaire Lumens: 36039.2 lumens  
 Efficiency: N/A  
 Efficacy: 85.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 420.3  
 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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77				
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59				
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46				
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36				
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30				
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25				
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21				
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18				
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16				
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14				

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

	0°	90°	180°	270°
0°	57940	57940	57940	57940
5°	59628	38774	42358	62642
10°	52901	24638	24885	54137
15°	51919	17474	16550	48558
20°	60363	11054	11140	51727
25°	77629	9491	9222	61154
30°	94077	8996	8433	76555
35°	111348	7925	7628	90742
40°	133791	7521	6991	107203
45°	154813	7460	6771	124975
50°	179772	7575	6817	147580
55°	219998	7781	6932	188024
60°	285318	7790	7303	235168
65°	350232	7873	7488	251730
70°	370603	8304	7830	245091
75°	311966	8779	7837	200035
80°	226649	10281	7944	172906
85°	240218	14894	6515	179696

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	833.2	2.3
10°-20°	1743.7	4.8
20°-30°	2512.9	7.0
30°-40°	3617.5	10.0
40°-50°	5138.4	14.3
50°-60°	7387.6	20.5
60°-70°	8535.1	23.7
70°-80°	4832.7	13.4
80°-90°	1438.2	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°	5089.7	14.1
0°-40°	8707.2	24.2
0°-60°	21233.2	58.9
0°-90°	36039.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36039.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	10766	10766	10766	10766	10766	
5°	11037	7177	7840	11595	11037	1001
15°	9318	3136	2970	8715	9318	2740
25°	13072	1598	1553	10298	13072	6068
35°	16948	1206	1161	13811	16948	10756
45°	20340	980	890	16420	20340	15750
55°	23446	829	739	20038	23446	21234
65°	27502	618	588	19767	27502	26372
75°	15002	422	377	9620	15002	15918
85°	3890	241	106	2910	3890	3874
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°	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6
2.5°	11368.7	11353.6	11263.2	10976.7	10675.1	10388.6	10117.2	9830.8	9680.0	9499.0	9423.7
5°	11037.0	11006.8	10750.5	10117.2	9559.4	8956.2	8443.6	8036.5	7704.8	7373.1	7252.4
7.5°	10283.1	10237.9	9936.3	9061.8	8247.6	7463.5	6845.3	6317.6	5880.4	5684.3	5458.2
10°	9680.0	9604.6	9212.6	8247.6	7192.1	6408.1	6001.0	5639.1	5262.2	4945.5	4613.8
12.5°	9303.0	9212.6	8805.5	7674.6	6649.3	6061.3	5639.1	5232.0	4764.6	4372.6	4010.7
15°	9318.1	9212.6	8715.0	7523.8	6513.6	5759.7	5171.7	4613.8	4071.0	3633.8	3226.7
17.5°	9755.4	9619.7	9091.9	7734.9	6408.1	5367.7	4583.7	3859.9	3241.7	2774.3	2442.6
20°	10539.4	10448.9	9845.8	8051.6	6302.5	4945.5	3980.6	3106.0	2457.7	2095.8	1960.1
22.5°	11715.5	11609.9	10961.6	8534.1	6272.4	4568.6	3332.2	2442.6	1975.2	1824.4	1749.0
25°	13072.5	12876.5	12273.4	9348.3	6332.7	4221.8	2804.5	2020.4	1764.1	1658.6	1613.3
27.5°	14248.6	14127.9	13449.4	10117.2	6362.9	3950.4	2442.6	1839.5	1643.5	1553.0	1522.9
30°	15138.2	15092.9	14429.5	10961.6	6287.5	3618.7	2216.4	1764.1	1643.5	1553.0	1462.6
32.5°	16027.8	16042.8	15334.2	11609.9	6181.9	3332.2	2005.4	1568.1	1447.5	1387.2	1402.2
35°	16947.5	17022.9	16419.8	12243.2	5955.8	3226.7	1854.6	1462.6	1357.0	1266.5	1221.3
37.5°	18108.5	18304.5	17716.5	12951.9	5729.6	3136.2	1779.2	1387.2	1281.6	1206.2	1145.9
40°	19043.3	19405.2	19058.4	13615.3	5578.8	3030.6	1718.9	1311.8	1236.4	1145.9	1100.7
42.5°	19736.9	20159.1	20038.5	14127.9	5578.8	2925.1	1658.6	1266.5	1206.2	1100.7	1040.4
45°	20340.0	20777.3	20762.2	14655.7	5699.4	2864.8	1583.2	1266.5	1176.1	1070.5	1010.2
47.5°	20882.8	21320.1	21470.9	15319.1	5895.4	2834.6	1492.7	1236.4	1176.1	1055.4	965.0
50°	21470.9	21953.3	22405.7	16374.5	6136.7	2759.2	1432.4	1191.2	1191.2	1040.4	934.8
52.5°	22224.7	22767.6	23596.8	17686.3	6377.9	2623.5	1341.9	1161.0	1191.2	1025.3	904.7
55°	23446.1	23898.4	24984.0	19254.4	6679.5	2457.7	1266.5	1085.6	1130.8	980.1	859.4
57.5°	24818.1	25210.2	26114.8	20460.6	6770.0	2246.6	1161.0	1010.2	1085.6	934.8	799.1
60°	26506.9	26702.9	26702.9	20807.4	6468.4	2050.6	1085.6	949.9	980.1	889.6	753.9
62.5°	27577.4	27577.4	26702.9	20174.2	5895.4	1884.7	1025.3	889.6	859.4	829.3	708.7
65°	27502.0	27381.4	26084.7	18334.7	5232.0	1779.2	965.0	814.2	769.0	753.9	663.4
67.5°	26235.5	26024.4	24260.3	15741.3	4538.4	1734.0	904.7	738.8	708.7	678.5	603.1
70°	23551.6	23008.8	20837.6	12665.4	3859.9	1703.8	889.6	678.5	648.3	618.2	557.9
72.5°	19661.5	18967.9	16269.0	9740.3	3241.7	1598.3	844.4	603.1	588.0	557.9	497.6
75°	15002.5	13720.8	11353.6	7448.5	2518.0	1387.2	723.7	527.7	527.7	512.6	452.3
77.5°	10343.4	9680.0	7915.9	5503.4	1839.5	1070.5	588.0	467.4	467.4	482.5	422.2
80°	7312.8	6694.6	5639.1	3950.4	1161.0	723.7	452.3	392.0	437.3	467.4	392.0
82.5°	5593.9	5141.5	4191.6	2879.9	678.5	497.6	346.8	316.6	376.9	407.1	331.7
85°	3890.1	3347.3	2126.0	1930.0	392.0	301.6	256.3	256.3	331.7	407.1	301.6
87.5°	1100.7	467.4	135.7	573.0	165.9	120.6	90.5	60.3	90.5	90.5	60.3
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°	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6
2.5°	9348.3	9257.8	9257.8	9227.6	9242.7	9257.8	9242.7	9348.3	9393.5	9453.8	9574.4
5°	7177.1	7297.7	7207.2	7297.7	7418.3	7599.2	7644.5	7780.2	7795.2	7900.8	7840.5
7.5°	5322.5	5307.4	5232.0	5337.6	5669.3	5925.6	6046.2	6121.6	6136.7	6136.7	6061.3
10°	4508.3	4372.6	4236.9	4161.5	4191.6	4463.0	4553.5	4598.7	4568.6	4613.8	4553.5
12.5°	3859.9	3739.3	3543.3	3407.6	3317.1	3392.5	3483.0	3528.2	3558.4	3633.8	3694.1
15°	3136.2	3015.6	2894.9	2819.6	2744.2	2683.9	2759.2	2804.5	2879.9	2940.2	2970.3
17.5°	2382.3	2322.0	2261.7	2306.9	2306.9	2276.8	2306.9	2322.0	2352.1	2397.4	2382.3
20°	1930.0	1914.9	1899.8	1975.2	2035.5	2035.5	2065.7	2020.4	2005.4	1960.1	1945.0
22.5°	1718.9	1718.9	1734.0	1794.3	1854.6	1884.7	1884.7	1809.3	1734.0	1703.8	1718.9
25°	1598.3	1598.3	1643.5	1658.6	1688.7	1688.7	1703.8	1628.4	1583.2	1537.9	1553.0
27.5°	1507.8	1507.8	1522.9	1522.9	1537.9	1537.9	1553.0	1522.9	1462.6	1447.5	1447.5
30°	1447.5	1447.5	1432.4	1432.4	1432.4	1432.4	1447.5	1402.2	1372.1	1357.0	1357.0
32.5°	1387.2	1372.1	1357.0	1357.0	1341.9	1341.9	1357.0	1311.8	1296.7	1296.7	1296.7
35°	1206.2	1191.2	1206.2	1236.4	1236.4	1251.5	1251.5	1236.4	1206.2	1176.1	1161.0
37.5°	1130.8	1115.8	1115.8	1115.8	1145.9	1161.0	1176.1	1145.9	1100.7	1055.4	1055.4
40°	1070.5	1070.5	1055.4	1055.4	1055.4	1085.6	1115.8	1070.5	1010.2	995.1	995.1
42.5°	1025.3	1010.2	995.1	980.1	965.0	1010.2	1040.4	980.1	949.9	949.9	949.9
45°	980.1	965.0	949.9	934.8	919.7	934.8	965.0	904.7	889.6	889.6	889.6
47.5°	934.8	919.7	889.6	874.5	859.4	859.4	889.6	844.4	829.3	844.4	844.4
50°	904.7	874.5	844.4	829.3	814.2	814.2	814.2	799.1	799.1	799.1	814.2
52.5°	874.5	844.4	799.1	784.0	769.0	769.0	769.0	769.0	753.9	769.0	784.0
55°	829.3	799.1	769.0	753.9	738.8	723.7	738.8	723.7	723.7	738.8	738.8
57.5°	769.0	738.8	708.7	708.7	693.6	693.6	708.7	693.6	693.6	708.7	708.7
60°	723.7	693.6	663.4	663.4	648.3	663.4	678.5	663.4	663.4	663.4	678.5
62.5°	663.4	648.3	618.2	618.2	618.2	618.2	633.3	618.2	633.3	633.3	633.3
65°	618.2	588.0	573.0	573.0	573.0	573.0	603.1	573.0	588.0	588.0	588.0
67.5°	573.0	542.8	527.7	527.7	527.7	527.7	557.9	527.7	542.8	557.9	542.8
70°	527.7	497.6	482.5	482.5	482.5	482.5	497.6	482.5	482.5	497.6	497.6
72.5°	467.4	452.3	437.3	437.3	422.2	437.3	452.3	437.3	437.3	437.3	437.3
75°	422.2	407.1	407.1	392.0	392.0	392.0	407.1	376.9	376.9	376.9	376.9
77.5°	392.0	361.9	361.9	361.9	346.8	361.9	346.8	316.6	316.6	316.6	316.6
80°	331.7	301.6	316.6	316.6	301.6	301.6	286.5	256.3	256.3	256.3	256.3
82.5°	271.4	241.2	256.3	256.3	256.3	256.3	226.2	211.1	196.0	180.9	180.9
85°	241.2	196.0	226.2	226.2	211.1	211.1	150.8	150.8	120.6	120.6	105.5
87.5°	45.2	30.2	60.3	75.4	75.4	90.5	60.3	75.4	45.2	30.2	30.2
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°	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6
2.5°	9559.4	9725.2	9951.4	10117.2	10373.6	10569.6	10871.1	11127.5	11368.7	11474.2	11579.8
5°	8021.4	8127.0	8473.8	8745.2	9152.3	9589.5	10132.3	10720.4	11323.5	11594.9	11911.5
7.5°	6001.0	6197.0	6393.0	6785.0	7282.6	7991.3	8684.8	9559.4	10403.7	10810.8	11353.6
10°	4659.1	4809.8	5036.0	5443.1	5910.5	6498.6	7327.8	8368.2	9378.4	9906.1	10464.0
12.5°	3739.3	3950.4	4252.0	4674.1	5216.9	5820.0	6423.2	7388.1	8564.2	9167.3	9800.6
15°	3030.6	3196.5	3528.2	4055.9	4689.2	5307.4	5940.7	6739.8	8021.4	8715.0	9468.9
17.5°	2412.5	2533.1	2834.6	3362.4	3995.6	4689.2	5412.9	6423.2	7840.5	8684.8	9574.4
20°	1960.1	2050.6	2246.6	2638.6	3241.7	3995.6	4900.3	6121.6	7946.0	9031.6	10117.2
22.5°	1718.9	1749.0	1839.5	2050.6	2548.2	3347.3	4432.9	5865.3	8142.0	9544.3	11006.8
25°	1553.0	1583.2	1613.3	1749.0	2035.5	2789.4	4025.8	5714.5	8564.2	10298.2	12032.1
27.5°	1447.5	1477.6	1492.7	1553.0	1749.0	2382.3	3679.0	5624.0	9137.2	11398.9	13298.7
30°	1357.0	1357.0	1402.2	1492.7	1628.4	2095.8	3377.4	5412.9	9740.3	12318.6	14293.8
32.5°	1281.6	1296.7	1357.0	1402.2	1492.7	1854.6	3075.9	5141.5	10283.1	13072.5	15273.9
35°	1145.9	1145.9	1161.0	1236.4	1357.0	1658.6	2804.5	4870.1	10584.6	13811.3	16148.4
37.5°	1055.4	1070.5	1100.7	1161.0	1266.5	1522.9	2578.3	4568.6	10901.3	14504.9	17173.7
40°	995.1	1010.2	1040.4	1100.7	1206.2	1402.2	2382.3	4327.3	11233.0	15258.8	18274.4
42.5°	949.9	965.0	995.1	1055.4	1145.9	1372.1	2171.2	4131.3	11429.0	15952.4	19314.7
45°	904.7	919.7	965.0	1025.3	1100.7	1341.9	2050.6	3995.6	11504.4	16419.8	20144.0
47.5°	859.4	874.5	919.7	1010.2	1100.7	1296.7	2005.4	3920.2	11564.7	16947.5	20807.4
50°	814.2	844.4	904.7	995.1	1115.8	1236.4	1975.2	3905.2	11911.5	17626.0	21440.7
52.5°	784.0	829.3	889.6	995.1	1100.7	1145.9	1960.1	3950.4	12605.1	18636.2	22345.4
55°	753.9	799.1	859.4	995.1	1055.4	1070.5	1884.7	4025.8	13660.5	20038.5	23627.0
57.5°	723.7	753.9	829.3	965.0	995.1	1010.2	1734.0	4131.3	14716.0	21410.5	24938.8
60°	678.5	708.7	784.0	965.0	904.7	949.9	1537.9	4161.5	15469.9	21847.8	25059.4
62.5°	633.3	663.4	738.8	995.1	829.3	889.6	1372.1	4055.9	15620.7	21214.5	24380.9
65°	588.0	618.2	678.5	829.3	769.0	829.3	1266.5	3769.5	15123.1	19767.1	23144.5
67.5°	542.8	573.0	618.2	678.5	693.6	753.9	1221.3	3317.1	13871.6	17972.8	21455.8
70°	482.5	512.6	557.9	603.1	618.2	708.7	1145.9	2879.9	11851.2	15575.4	19390.1
72.5°	437.3	452.3	497.6	527.7	557.9	648.3	1100.7	2518.0	9061.8	12605.1	15816.7
75°	376.9	376.9	422.2	452.3	482.5	573.0	1010.2	2095.8	6393.0	9619.7	11625.0
77.5°	316.6	316.6	346.8	376.9	407.1	497.6	859.4	1703.8	4432.9	7629.4	8428.5
80°	241.2	241.2	271.4	301.6	331.7	422.2	693.6	1251.5	2744.2	5578.8	6136.7
82.5°	165.9	165.9	211.1	226.2	241.2	331.7	527.7	859.4	1613.3	4025.8	4387.7
85°	90.5	90.5	120.6	135.7	165.9	241.2	392.0	603.1	965.0	2910.0	2925.1
87.5°	15.1	15.1	45.2	45.2	75.4	120.6	226.2	331.7	542.8	1613.3	1025.3
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: P598643  
 CATALOG NUMBER: IFLD-L-SA8C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6	10765.6
2.5°	11775.8	11941.7	11956.7	11956.7	11881.3	11896.4	11685.3	11459.2	11383.8	11368.7
5°	12394.0	12831.2	12951.9	13012.2	12816.2	12514.6	11971.8	11383.8	11082.2	11037.0
7.5°	12273.4	13147.9	13615.3	13675.6	13283.6	12574.9	11625.0	10720.4	10373.6	10283.1
10°	11564.7	12740.8	13585.1	13796.2	13374.1	12469.4	11233.0	10177.5	9755.4	9680.0
12.5°	11067.1	12198.0	13027.3	13313.7	13117.7	12333.7	11037.0	9830.8	9408.6	9303.0
15°	10795.7	11836.1	12378.9	12469.4	12454.3	12122.6	11037.0	9906.1	9438.7	9318.1
17.5°	11021.9	11730.6	11806.0	11594.9	11715.5	11881.3	11278.2	10313.2	9860.9	9755.4
20°	11474.2	11685.3	11323.5	11006.8	11067.1	11594.9	11655.2	11082.2	10720.4	10539.4
22.5°	12424.1	11851.2	11021.9	10584.6	10629.9	11368.7	12152.7	12122.6	11806.0	11715.5
25°	13389.1	12318.6	10931.4	10418.8	10479.1	11323.5	12740.8	13283.6	13117.7	13072.5
27.5°	14459.7	13102.7	10991.8	10343.4	10418.8	11383.8	13147.9	14263.6	14293.8	14248.6
30°	15183.4	13479.6	11172.7	10433.9	10539.4	11534.6	13238.4	14851.7	15123.1	15138.2
32.5°	15786.5	13856.5	11549.6	10584.6	10765.6	11806.0	13479.6	15409.6	16012.7	16027.8
35°	16269.0	14278.7	12017.0	10856.1	11127.5	12258.3	13796.2	15937.3	16842.0	16947.5
37.5°	16887.2	14746.1	12559.8	11444.1	11745.6	12906.6	14354.1	16555.5	17822.0	18108.5
40°	17550.6	15213.5	13343.9	12394.0	12831.2	13871.6	14987.4	17249.1	18651.3	19043.3
42.5°	18289.4	15711.1	14233.5	13675.6	14339.0	15092.9	15711.1	17882.3	19284.6	19736.9
45°	19013.2	16314.2	15530.2	15424.6	16163.5	16540.4	16419.8	18334.7	19887.7	20340.0
47.5°	19525.8	17188.7	17098.3	17731.6	18425.1	18229.1	17249.1	18666.4	20385.3	20882.8
50°	19993.2	18274.4	19073.5	20309.9	20732.0	20068.6	18138.7	19118.7	20913.0	21470.9
52.5°	20686.8	19435.3	21109.0	22646.9	23054.0	21998.6	19103.6	19857.5	21727.2	22224.7
55°	22104.1	20747.1	23235.0	24999.1	25074.5	23762.7	20400.3	21109.0	22873.1	23446.1
57.5°	23687.3	22360.4	24923.7	26944.1	26914.0	25526.8	21862.9	22797.7	24426.1	24818.1
60°	25119.7	23988.9	26763.2	28331.3	28255.9	26808.4	23566.7	24712.6	26205.3	26506.9
62.5°	25964.1	25466.5	27577.4	28768.5	28482.1	27230.6	25014.2	26416.4	27471.8	27577.4
65°	25828.4	26310.8	26627.5	27366.3	26959.2	26054.5	25722.8	27502.0	27607.5	27502.0
67.5°	24803.1	25828.4	24019.0	24094.4	23883.3	23114.3	24622.1	27215.5	26491.8	26235.5
70°	23250.0	23325.4	20083.7	19133.8	19465.5	18410.1	21124.1	24984.0	23868.2	23551.6
72.5°	20671.7	19736.9	15183.4	14218.4	14716.0	13962.1	16947.5	21772.4	20686.8	19661.5
75°	17339.5	15635.7	11564.7	10192.6	10448.9	10418.8	13132.8	17987.9	16027.8	15002.5
77.5°	13434.4	12182.9	8534.1	8006.3	7734.9	7795.2	9167.3	13374.1	11625.0	10343.4
80°	9815.7	8519.0	6604.1	6905.7	6754.9	6393.0	6423.2	8956.2	8081.7	7312.8
82.5°	6785.0	6061.3	5352.6	6046.2	5684.3	5126.5	5005.8	6453.3	6061.3	5593.9
85°	4553.5	4990.8	4252.0	4628.9	4010.7	3694.1	4704.3	5397.9	4357.5	3890.1
87.5°	2970.3	4568.6	3060.8	2322.0	1326.9	1779.2	2879.9	3543.3	2035.5	1100.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)