

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: P598843

Luminaire Tested: **IFLD-L-SA7E-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: P598843  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7E-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**

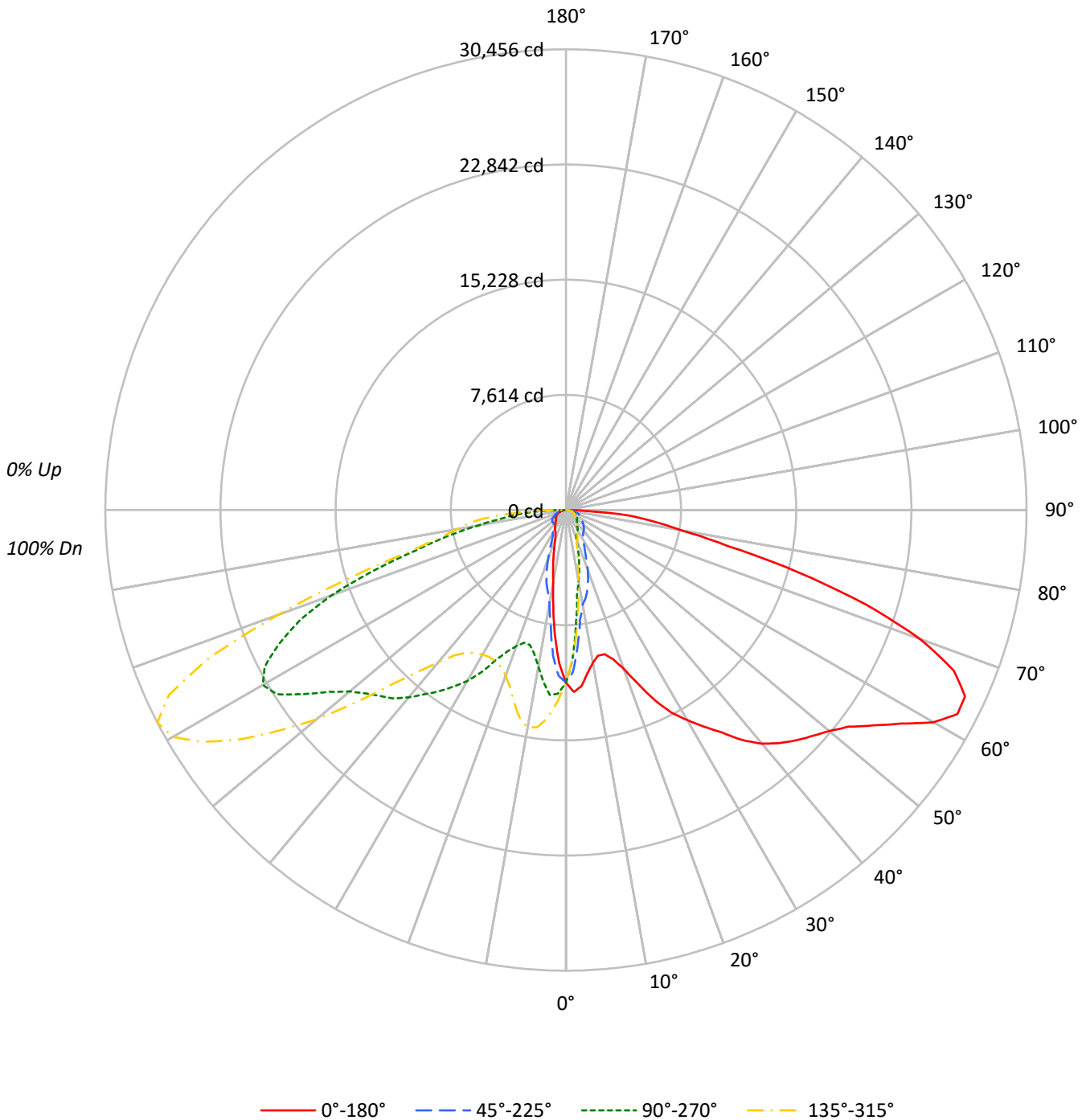
Lumens per Lamp: N/A  
 Luminaire Lumens: 38153.8 lumens  
 Efficiency: N/A  
 Efficacy: 71.6 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 532.7  
 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	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°	61339	61339	61339	61339
5°	63126	41049	44844	66317
10°	56005	26083	26345	57313
15°	54965	18500	17521	51407
20°	63905	11702	11794	54763
25°	82184	10048	9763	64742
30°	99597	9523	8928	81046
35°	117881	8390	8075	96067
40°	141642	7962	7402	113493
45°	163896	7897	7168	132308
50°	190320	8020	7217	156239
55°	232906	8237	7340	199056
60°	302058	8247	7732	248966
65°	370781	8335	7927	266500
70°	392348	8792	8290	259472
75°	330269	9295	8299	211771
80°	239945	10885	8412	183050
85°	254309	15771	6898	190243

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	882.1	2.3
10°-20°	1846.0	4.8
20°-30°	2660.3	7.0
30°-40°	3829.8	10.0
40°-50°	5439.9	14.3
50°-60°	7821.0	20.5
60°-70°	9035.9	23.7
70°-80°	5116.3	13.4
80°-90°	1522.6	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°	5388.4	14.1
0°-40°	9218.1	24.2
0°-60°	22479.0	58.9
0°-90°	38153.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38153.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11397	11397	11397	11397	11397	
5°	11685	7598	8300	12275	11685	1060
15°	9865	3320	3145	9226	9865	2901
25°	13840	1692	1644	10902	13840	6424
35°	17942	1277	1229	14622	17942	11387
45°	21533	1038	942	17383	21533	16674
55°	24822	878	782	21214	24822	22480
65°	29116	654	622	20927	29116	27920
75°	15883	447	399	10184	15883	16852
85°	4118	255	112	3081	4118	4101
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°	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2
2.5°	12035.7	12019.8	11924.0	11620.7	11301.5	10998.2	10710.9	10407.6	10247.9	10056.4	9976.6
5°	11684.6	11652.6	11381.3	10710.9	10120.2	9481.7	8939.0	8508.0	8156.9	7805.7	7678.0
7.5°	10886.4	10838.6	10519.3	9593.5	8731.5	7901.5	7247.0	6688.3	6225.4	6017.9	5778.4
10°	10247.9	10168.1	9753.1	8731.5	7614.1	6784.1	6353.1	5970.0	5570.9	5235.7	4884.5
12.5°	9848.9	9753.1	9322.1	8124.9	7039.5	6416.9	5970.0	5539.0	5044.2	4629.1	4246.0
15°	9864.8	9753.1	9226.3	7965.3	6895.8	6097.7	5475.1	4884.5	4309.9	3847.0	3416.0
17.5°	10327.8	10184.1	9625.4	8188.8	6784.1	5682.7	4852.6	4086.4	3431.9	2937.1	2585.9
20°	11157.8	11062.0	10423.5	8524.0	6672.3	5235.7	4214.1	3288.3	2601.9	2218.8	2075.1
22.5°	12402.9	12291.1	11604.8	9034.8	6640.4	4836.6	3527.7	2585.9	2091.1	1931.5	1851.7
25°	13839.5	13632.0	12993.5	9896.8	6704.3	4469.5	2969.0	2139.0	1867.6	1755.9	1708.0
27.5°	15084.6	14956.9	14238.6	10710.9	6736.2	4182.2	2585.9	1947.4	1739.9	1644.1	1612.2
30°	16026.4	15978.5	15276.1	11604.8	6656.4	3831.0	2346.5	1867.6	1739.9	1644.1	1548.4
32.5°	16968.2	16984.1	16233.9	12291.1	6544.6	3527.7	2123.0	1660.1	1532.4	1468.6	1484.5
35°	17941.9	18021.7	17383.2	12961.6	6305.2	3416.0	1963.4	1548.4	1436.6	1340.9	1293.0
37.5°	19171.0	19378.5	18756.0	13711.8	6065.8	3320.2	1883.6	1468.6	1356.8	1277.0	1213.2
40°	20160.7	20543.8	20176.6	14414.2	5906.1	3208.5	1819.7	1388.7	1308.9	1213.2	1165.3
42.5°	20894.9	21341.9	21214.2	14956.9	5906.1	3096.7	1755.9	1340.9	1277.0	1165.3	1101.4
45°	21533.4	21996.4	21980.4	15515.6	6033.8	3032.9	1676.1	1340.9	1245.1	1133.3	1069.5
47.5°	22108.1	22571.0	22730.6	16217.9	6241.3	3001.0	1580.3	1308.9	1245.1	1117.4	1021.6
50°	22730.6	23241.4	23720.3	17335.3	6496.7	2921.1	1516.4	1261.0	1261.0	1101.4	989.7
52.5°	23528.8	24103.4	24981.4	18724.0	6752.1	2777.5	1420.7	1229.1	1261.0	1085.5	957.8
55°	24821.7	25300.6	26449.9	20384.1	7071.4	2601.9	1340.9	1149.3	1197.2	1037.6	909.9
57.5°	26274.3	26689.3	27647.1	21661.1	7167.2	2378.4	1229.1	1069.5	1149.3	989.7	846.0
60°	28062.1	28269.6	28269.6	22028.3	6847.9	2170.9	1149.3	1005.6	1037.6	941.8	798.1
62.5°	29195.5	29195.5	28269.6	21357.9	6241.3	1995.3	1085.5	941.8	909.9	877.9	750.2
65°	29115.6	28987.9	27615.2	19410.4	5539.0	1883.6	1021.6	862.0	814.1	798.1	702.4
67.5°	27774.8	27551.3	25683.7	16664.9	4804.7	1835.7	957.8	782.2	750.2	718.3	638.5
70°	24933.5	24358.8	22060.2	13408.5	4086.4	1803.8	941.8	718.3	686.4	654.5	590.6
72.5°	20815.1	20080.9	17223.6	10311.8	3431.9	1692.0	893.9	638.5	622.5	590.6	526.8
75°	15882.7	14525.9	12019.8	7885.5	2665.7	1468.6	766.2	558.7	558.7	542.7	478.9
77.5°	10950.3	10247.9	8380.3	5826.3	1947.4	1133.3	622.5	494.8	494.8	510.8	447.0
80°	7741.8	7087.4	5970.0	4182.2	1229.1	766.2	478.9	415.0	462.9	494.8	415.0
82.5°	5922.1	5443.2	4437.6	3048.8	718.3	526.8	367.1	335.2	399.1	431.0	351.2
85°	4118.3	3543.7	2250.7	2043.2	415.0	319.3	271.4	271.4	351.2	431.0	319.3
87.5°	1165.3	494.8	143.7	606.6	175.6	127.7	95.8	63.9	95.8	95.8	63.9
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°	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2
2.5°	9896.8	9801.0	9801.0	9769.1	9785.0	9801.0	9785.0	9896.8	9944.7	10008.5	10136.2
5°	7598.2	7725.9	7630.1	7725.9	7853.6	8045.1	8093.0	8236.7	8252.6	8364.4	8300.5
7.5°	5634.8	5618.8	5539.0	5650.7	6001.9	6273.3	6401.0	6480.8	6496.7	6496.7	6416.9
10°	4772.8	4629.1	4485.5	4405.7	4437.6	4724.9	4820.7	4868.6	4836.6	4884.5	4820.7
12.5°	4086.4	3958.7	3751.2	3607.5	3511.8	3591.6	3687.3	3735.2	3767.2	3847.0	3910.8
15°	3320.2	3192.5	3064.8	2985.0	2905.2	2841.3	2921.1	2969.0	3048.8	3112.7	3144.6
17.5°	2522.1	2458.2	2394.4	2442.3	2442.3	2410.3	2442.3	2458.2	2490.2	2538.0	2522.1
20°	2043.2	2027.2	2011.3	2091.1	2154.9	2154.9	2186.9	2139.0	2123.0	2075.1	2059.2
22.5°	1819.7	1819.7	1835.7	1899.5	1963.4	1995.3	1995.3	1915.5	1835.7	1803.8	1819.7
25°	1692.0	1692.0	1739.9	1755.9	1787.8	1787.8	1803.8	1724.0	1676.1	1628.2	1644.1
27.5°	1596.3	1596.3	1612.2	1612.2	1628.2	1628.2	1644.1	1612.2	1548.4	1532.4	1532.4
30°	1532.4	1532.4	1516.4	1516.4	1516.4	1516.4	1532.4	1484.5	1452.6	1436.6	1436.6
32.5°	1468.6	1452.6	1436.6	1436.6	1420.7	1420.7	1436.6	1388.7	1372.8	1372.8	1372.8
35°	1277.0	1261.0	1277.0	1308.9	1308.9	1324.9	1324.9	1308.9	1277.0	1245.1	1229.1
37.5°	1197.2	1181.2	1181.2	1181.2	1213.2	1229.1	1245.1	1213.2	1165.3	1117.4	1117.4
40°	1133.3	1133.3	1117.4	1117.4	1117.4	1149.3	1181.2	1133.3	1069.5	1053.5	1053.5
42.5°	1085.5	1069.5	1053.5	1037.6	1021.6	1069.5	1101.4	1037.6	1005.6	1005.6	1005.6
45°	1037.6	1021.6	1005.6	989.7	973.7	989.7	1021.6	957.8	941.8	941.8	941.8
47.5°	989.7	973.7	941.8	925.8	909.9	909.9	941.8	893.9	877.9	893.9	893.9
50°	957.8	925.8	893.9	877.9	862.0	862.0	862.0	846.0	846.0	846.0	862.0
52.5°	925.8	893.9	846.0	830.1	814.1	814.1	814.1	814.1	798.1	814.1	830.1
55°	877.9	846.0	814.1	798.1	782.2	766.2	782.2	766.2	766.2	782.2	782.2
57.5°	814.1	782.2	750.2	750.2	734.3	734.3	750.2	734.3	734.3	750.2	750.2
60°	766.2	734.3	702.4	702.4	686.4	702.4	718.3	702.4	702.4	702.4	718.3
62.5°	702.4	686.4	654.5	654.5	654.5	654.5	670.4	654.5	670.4	670.4	670.4
65°	654.5	622.5	606.6	606.6	606.6	606.6	638.5	606.6	622.5	622.5	622.5
67.5°	606.6	574.7	558.7	558.7	558.7	558.7	590.6	558.7	574.7	590.6	574.7
70°	558.7	526.8	510.8	510.8	510.8	510.8	526.8	510.8	510.8	526.8	526.8
72.5°	494.8	478.9	462.9	462.9	447.0	462.9	478.9	462.9	462.9	462.9	462.9
75°	447.0	431.0	431.0	415.0	415.0	415.0	431.0	399.1	399.1	399.1	399.1
77.5°	415.0	383.1	383.1	383.1	367.1	383.1	367.1	335.2	335.2	335.2	335.2
80°	351.2	319.3	335.2	335.2	319.3	319.3	303.3	271.4	271.4	271.4	271.4
82.5°	287.3	255.4	271.4	271.4	271.4	271.4	239.4	223.5	207.5	191.6	191.6
85°	255.4	207.5	239.4	239.4	223.5	223.5	159.6	159.6	127.7	127.7	111.7
87.5°	47.9	31.9	63.9	79.8	79.8	95.8	63.9	79.8	47.9	31.9	31.9
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°	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2
2.5°	10120.2	10295.8	10535.3	10710.9	10982.2	11189.7	11509.0	11780.3	12035.7	12147.5	12259.2
5°	8492.1	8603.8	8970.9	9258.3	9689.3	10152.2	10726.8	11349.4	11987.9	12275.2	12610.4
7.5°	6353.1	6560.6	6768.1	7183.1	7709.9	8460.1	9194.4	10120.2	11014.1	11445.1	12019.8
10°	4932.4	5092.0	5331.5	5762.5	6257.3	6879.8	7757.8	8859.2	9928.7	10487.4	11078.0
12.5°	3958.7	4182.2	4501.4	4948.4	5523.0	6161.5	6800.0	7821.6	9066.7	9705.2	10375.6
15°	3208.5	3384.1	3735.2	4293.9	4964.3	5618.8	6289.2	7135.2	8492.1	9226.3	10024.5
17.5°	2554.0	2681.7	3001.0	3559.6	4230.1	4964.3	5730.5	6800.0	8300.5	9194.4	10136.2
20°	2075.1	2170.9	2378.4	2793.4	3431.9	4230.1	5187.8	6480.8	8412.3	9561.6	10710.9
22.5°	1819.7	1851.7	1947.4	2170.9	2697.7	3543.7	4693.0	6209.4	8619.8	10104.3	11652.6
25°	1644.1	1676.1	1708.0	1851.7	2154.9	2953.1	4262.0	6049.8	9066.7	10902.4	12738.1
27.5°	1532.4	1564.3	1580.3	1644.1	1851.7	2522.1	3894.9	5954.0	9673.3	12067.7	14078.9
30°	1436.6	1436.6	1484.5	1580.3	1724.0	2218.8	3575.6	5730.5	10311.8	13041.4	15132.5
32.5°	1356.8	1372.8	1436.6	1484.5	1580.3	1963.4	3256.4	5443.2	10886.4	13839.5	16170.0
35°	1213.2	1213.2	1229.1	1308.9	1436.6	1755.9	2969.0	5155.9	11205.7	14621.7	17095.9
37.5°	1117.4	1133.3	1165.3	1229.1	1340.9	1612.2	2729.6	4836.6	11540.9	15355.9	18181.3
40°	1053.5	1069.5	1101.4	1165.3	1277.0	1484.5	2522.1	4581.2	11892.1	16154.1	19346.6
42.5°	1005.6	1021.6	1053.5	1117.4	1213.2	1452.6	2298.6	4373.7	12099.6	16888.4	20448.0
45°	957.8	973.7	1021.6	1085.5	1165.3	1420.7	2170.9	4230.1	12179.4	17383.2	21325.9
47.5°	909.9	925.8	973.7	1069.5	1165.3	1372.8	2123.0	4150.3	12243.3	17941.9	22028.3
50°	862.0	893.9	957.8	1053.5	1181.2	1308.9	2091.1	4134.3	12610.4	18660.2	22698.7
52.5°	830.1	877.9	941.8	1053.5	1165.3	1213.2	2075.1	4182.2	13344.7	19729.7	23656.5
55°	798.1	846.0	909.9	1053.5	1117.4	1133.3	1995.3	4262.0	14462.0	21214.2	25013.3
57.5°	766.2	798.1	877.9	1021.6	1053.5	1069.5	1835.7	4373.7	15579.4	22666.8	26402.0
60°	718.3	750.2	830.1	1021.6	957.8	1005.6	1628.2	4405.7	16377.6	23129.7	26529.7
62.5°	670.4	702.4	782.2	1053.5	877.9	941.8	1452.6	4293.9	16537.2	22459.3	25811.4
65°	622.5	654.5	718.3	877.9	814.1	877.9	1340.9	3990.6	16010.4	20926.9	24502.5
67.5°	574.7	606.6	654.5	718.3	734.3	798.1	1293.0	3511.8	14685.5	19027.3	22714.7
70°	510.8	542.7	590.6	638.5	654.5	750.2	1213.2	3048.8	12546.5	16489.3	20527.8
72.5°	462.9	478.9	526.8	558.7	590.6	686.4	1165.3	2665.7	9593.5	13344.7	16744.7
75°	399.1	399.1	447.0	478.9	510.8	606.6	1069.5	2218.8	6768.1	10184.1	12307.1
77.5°	335.2	335.2	367.1	399.1	431.0	526.8	909.9	1803.8	4693.0	8077.0	8923.1
80°	255.4	255.4	287.3	319.3	351.2	447.0	734.3	1324.9	2905.2	5906.1	6496.7
82.5°	175.6	175.6	223.5	239.4	255.4	351.2	558.7	909.9	1708.0	4262.0	4645.1
85°	95.8	95.8	127.7	143.7	175.6	255.4	415.0	638.5	1021.6	3080.8	3096.7
87.5°	16.0	16.0	47.9	47.9	79.8	127.7	239.4	351.2	574.7	1708.0	1085.5
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: P598843  
 CATALOG NUMBER: IFLD-L-SA7E-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2	11397.2
2.5°	12466.7	12642.3	12658.3	12658.3	12578.5	12594.4	12371.0	12131.5	12051.7	12035.7
5°	13121.2	13584.1	13711.8	13775.7	13568.1	13248.9	12674.2	12051.7	11732.5	11684.6
7.5°	12993.5	13919.3	14414.2	14478.0	14063.0	13312.7	12307.1	11349.4	10982.2	10886.4
10°	12243.3	13488.3	14382.2	14605.7	14158.8	13201.0	11892.1	10774.7	10327.8	10247.9
12.5°	11716.5	12913.7	13791.6	14094.9	13887.4	13057.3	11684.6	10407.6	9960.6	9848.9
15°	11429.2	12530.6	13105.2	13201.0	13185.0	12833.9	11684.6	10487.4	9992.5	9864.8
17.5°	11668.6	12418.8	12498.7	12275.2	12402.9	12578.5	11940.0	10918.4	10439.5	10327.8
20°	12147.5	12371.0	11987.9	11652.6	11716.5	12275.2	12339.0	11732.5	11349.4	11157.8
22.5°	13153.1	12546.5	11668.6	11205.7	11253.6	12035.7	12865.8	12833.9	12498.7	12402.9
25°	14174.7	13041.4	11572.8	11030.1	11094.0	11987.9	13488.3	14063.0	13887.4	13839.5
27.5°	15308.1	13871.4	11636.7	10950.3	11030.1	12051.7	13919.3	15100.5	15132.5	15084.6
30°	16074.3	14270.5	11828.2	11046.1	11157.8	12211.3	14015.1	15723.1	16010.4	16026.4
32.5°	16712.8	14669.6	12227.3	11205.7	11397.2	12498.7	14270.5	16313.7	16952.2	16968.2
35°	17223.6	15116.5	12722.1	11493.0	11780.3	12977.5	14605.7	16872.4	17830.1	17941.9
37.5°	17878.0	15611.3	13296.8	12115.6	12434.8	13663.9	15196.3	17526.9	18867.7	19171.0
40°	18580.4	16106.2	14126.8	13121.2	13584.1	14685.5	15866.8	18261.1	19745.6	20160.7
42.5°	19362.5	16633.0	15068.6	14478.0	15180.4	15978.5	16633.0	18931.6	20416.1	20894.9
45°	20128.7	17271.5	16441.4	16329.7	17111.8	17510.9	17383.2	19410.4	21054.6	21533.4
47.5°	20671.5	18197.3	18101.5	18771.9	19506.2	19298.7	18261.1	19761.6	21581.3	22108.1
50°	21166.3	19346.6	20192.6	21501.5	21948.5	21246.1	19202.9	20240.5	22140.0	22730.6
52.5°	21900.6	20575.7	22347.5	23975.7	24406.7	23289.3	20224.5	21022.6	23002.0	23528.8
55°	23401.1	21964.4	24598.3	26465.9	26545.7	25156.9	21597.3	22347.5	24215.2	24821.7
57.5°	25077.1	23672.4	26386.1	28525.0	28493.1	27024.6	23145.7	24135.3	25859.3	26274.3
60°	26593.6	25396.4	28333.5	29993.6	29913.8	28381.4	24949.4	26162.6	27742.9	28062.1
62.5°	27487.5	26960.7	29195.5	30456.5	30153.2	28828.3	26481.8	27966.3	29083.7	29195.5
65°	27343.8	27854.6	28189.8	28972.0	28541.0	27583.2	27232.1	29115.6	29227.4	29115.6
67.5°	26258.4	27343.8	25428.3	25508.1	25284.6	24470.6	26066.8	28812.4	28046.2	27774.8
70°	24614.2	24694.0	21262.1	20256.4	20607.6	19490.2	22363.5	26449.9	25268.7	24933.5
72.5°	21884.6	20894.9	16074.3	15052.7	15579.4	14781.3	17941.9	23049.9	21900.6	20815.1
75°	18356.9	16553.1	12243.3	10790.7	11062.0	11030.1	13903.4	19043.3	16968.2	15882.7
77.5°	14222.6	12897.7	9034.8	8476.1	8188.8	8252.6	9705.2	14158.8	12307.1	10950.3
80°	10391.6	9018.8	6991.6	7310.8	7151.2	6768.1	6800.0	9481.7	8555.9	7741.8
82.5°	7183.1	6416.9	5666.7	6401.0	6017.9	5427.3	5299.6	6832.0	6416.9	5922.1
85°	4820.7	5283.6	4501.4	4900.5	4246.0	3910.8	4980.3	5714.6	4613.2	4118.3
87.5°	3144.6	4836.6	3240.4	2458.2	1404.7	1883.6	3048.8	3751.2	2154.9	1165.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)