

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: P598596

Luminaire Tested: **IFLD-S-SA3E-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598596  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3E-722-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (48) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

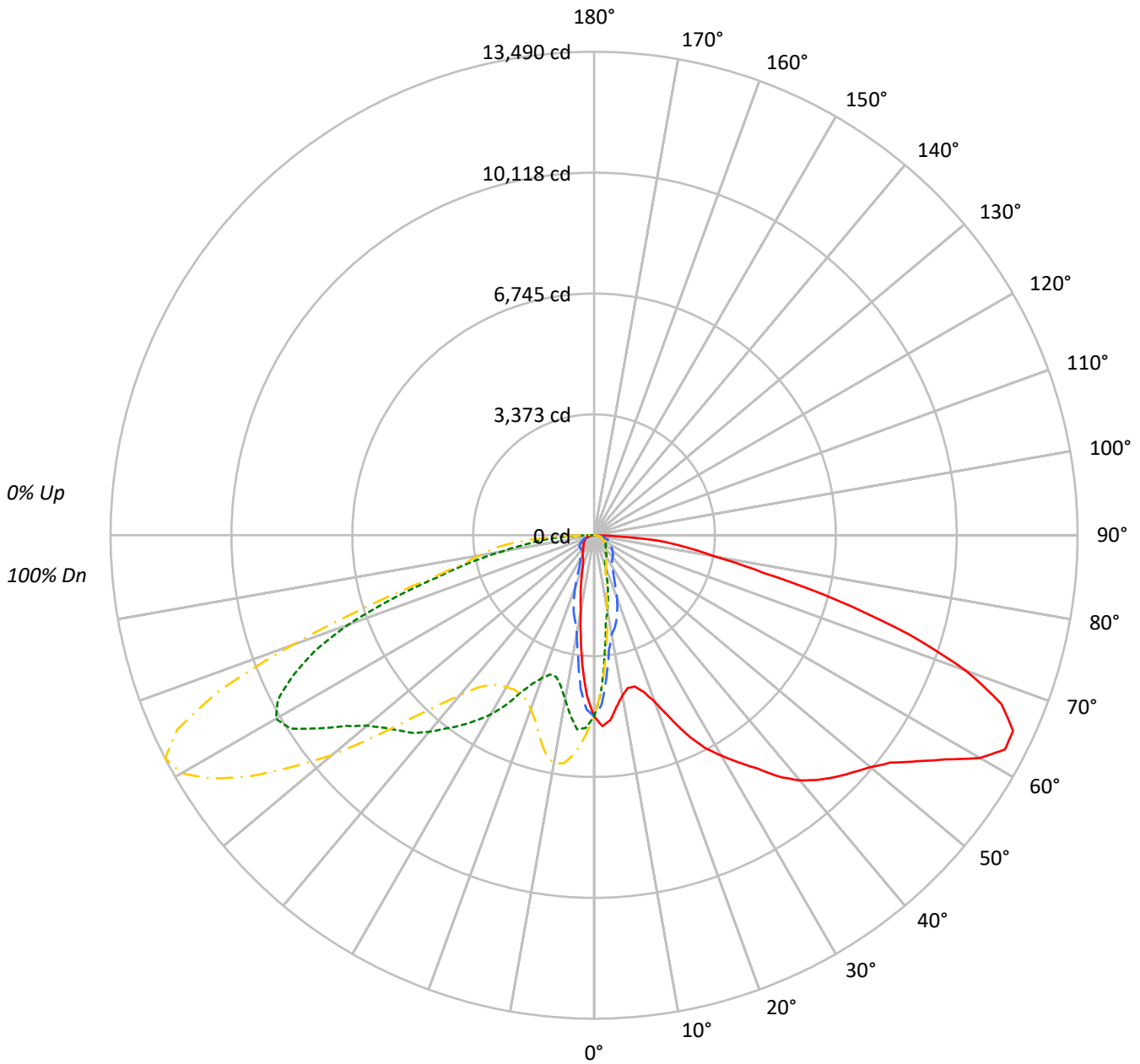
Lumens per Lamp: N/A  
 Luminaire Lumens: 16899.8 lumens  
 Efficiency: N/A  
 Efficacy: 72.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 232.1  
 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°	72453	72453	72453	72453
5°	74562	48486	52968	78331
10°	66151	30809	31118	67697
15°	64923	21850	20696	60721
20°	75482	13822	13930	64684
25°	97072	11869	11533	76471
30°	117641	11249	10545	95729
35°	139237	9910	9538	113471
40°	167302	9405	8742	134055
45°	193589	9328	8468	156278
50°	224801	9471	8525	184544
55°	275102	9731	8670	235119
60°	356782	9742	9134	294070
65°	437955	9845	9363	314780
70°	463430	10386	9790	306479
75°	390106	10979	9804	250136
80°	283412	12852	9934	216219
85°	300390	18624	8151	224708

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.7	2.3
10°-20°	817.7	4.8
20°-30°	1178.3	7.0
30°-40°	1696.3	10.0
40°-50°	2409.5	14.3
50°-60°	3464.2	20.5
60°-70°	4002.3	23.7
70°-80°	2266.2	13.4
80°-90°	674.4	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°	2386.7	14.1
0°-40°	4083.1	24.2
0°-60°	9956.8	58.9
0°-90°	16899.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16899.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5048	5048	5048	5048	5048	
5°	5176	3366	3677	5437	5176	470
15°	4370	1471	1393	4087	4370	1285
25°	6130	750	728	4829	6130	2845
35°	7947	566	544	6476	7947	5044
45°	9538	460	417	7700	9538	7385
55°	10994	389	346	9397	10994	9957
65°	12896	290	276	9269	12896	12367
75°	7035	198	177	4511	7035	7465
85°	1824	113	50	1365	1824	1817
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°	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3
2.5°	5331.1	5324.0	5281.6	5147.3	5005.9	4871.5	4744.2	4609.9	4539.2	4454.4	4419.0
5°	5175.5	5161.4	5041.2	4744.2	4482.6	4199.8	3959.4	3768.5	3613.0	3457.4	3400.9
7.5°	4822.0	4800.8	4659.4	4249.3	3867.5	3499.9	3210.0	2962.5	2757.5	2665.5	2559.5
10°	4539.2	4503.9	4320.0	3867.5	3372.6	3004.9	2814.0	2644.3	2467.6	2319.1	2163.5
12.5°	4362.4	4320.0	4129.1	3598.8	3118.1	2842.3	2644.3	2453.4	2234.2	2050.4	1880.7
15°	4369.5	4320.0	4086.7	3528.1	3054.4	2700.9	2425.2	2163.5	1909.0	1704.0	1513.1
17.5°	4574.6	4510.9	4263.5	3627.1	3004.9	2517.1	2149.4	1810.0	1520.1	1301.0	1145.4
20°	4942.2	4899.8	4617.0	3775.6	2955.4	2319.1	1866.6	1456.5	1152.5	982.8	919.2
22.5°	5493.7	5444.2	5140.2	4001.9	2941.3	2142.3	1562.6	1145.4	926.2	855.5	820.2
25°	6130.0	6038.1	5755.3	4383.7	2969.6	1979.7	1315.1	947.4	827.2	777.7	756.5
27.5°	6681.5	6625.0	6306.8	4744.2	2983.7	1852.4	1145.4	862.6	770.7	728.3	714.1
30°	7098.7	7077.5	6766.4	5140.2	2948.4	1696.9	1039.4	827.2	770.7	728.3	685.8
32.5°	7515.8	7522.9	7190.6	5444.2	2898.9	1562.6	940.4	735.3	678.8	650.5	657.5
35°	7947.1	7982.5	7699.7	5741.2	2792.8	1513.1	869.7	685.8	636.3	593.9	572.7
37.5°	8491.6	8583.5	8307.7	6073.5	2686.8	1470.6	834.3	650.5	601.0	565.6	537.4
40°	8929.9	9099.6	8937.0	6384.6	2616.1	1421.2	806.0	615.1	579.8	537.4	516.1
42.5°	9255.2	9453.1	9396.6	6625.0	2616.1	1371.7	777.7	593.9	565.6	516.1	487.9
45°	9538.0	9743.0	9736.0	6872.4	2672.6	1343.4	742.4	593.9	551.5	502.0	473.7
47.5°	9792.5	9997.6	10068.3	7183.5	2764.5	1329.2	700.0	579.8	551.5	494.9	452.5
50°	10068.3	10294.5	10506.6	7678.5	2877.7	1293.9	671.7	558.6	558.6	487.9	438.4
52.5°	10421.8	10676.3	11065.2	8293.6	2990.8	1230.3	629.3	544.4	558.6	480.8	424.2
55°	10994.5	11206.6	11715.7	9028.9	3132.2	1152.5	593.9	509.1	530.3	459.6	403.0
57.5°	11637.9	11821.7	12245.9	9594.5	3174.6	1053.5	544.4	473.7	509.1	438.4	374.7
60°	12429.8	12521.7	12521.7	9757.2	3033.2	961.6	509.1	445.4	459.6	417.2	353.5
62.5°	12931.8	12931.8	12521.7	9460.2	2764.5	883.8	480.8	417.2	403.0	388.9	332.3
65°	12896.4	12839.9	12231.8	8597.6	2453.4	834.3	452.5	381.8	360.6	353.5	311.1
67.5°	12302.5	12203.5	11376.3	7381.5	2128.2	813.1	424.2	346.5	332.3	318.2	282.8
70°	11044.0	10789.4	9771.3	5939.1	1810.0	799.0	417.2	318.2	304.0	289.9	261.6
72.5°	9219.8	8894.6	7629.0	4567.5	1520.1	749.5	395.9	282.8	275.7	261.6	233.3
75°	7035.1	6434.1	5324.0	3492.8	1180.8	650.5	339.4	247.5	247.5	240.4	212.1
77.5°	4850.3	4539.2	3712.0	2580.7	862.6	502.0	275.7	219.2	219.2	226.3	198.0
80°	3429.1	3139.3	2644.3	1852.4	544.4	339.4	212.1	183.8	205.0	219.2	183.8
82.5°	2623.1	2411.0	1965.6	1350.4	318.2	233.3	162.6	148.5	176.8	190.9	155.5
85°	1824.2	1569.6	996.9	905.0	183.8	141.4	120.2	120.2	155.5	190.9	141.4
87.5°	516.1	219.2	63.6	268.7	77.8	56.6	42.4	28.3	42.4	42.4	28.3
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°	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3
2.5°	4383.7	4341.2	4341.2	4327.1	4334.2	4341.2	4334.2	4383.7	4404.9	4433.1	4489.7
5°	3365.5	3422.1	3379.7	3422.1	3478.6	3563.5	3584.7	3648.3	3655.4	3704.9	3676.6
7.5°	2495.9	2488.8	2453.4	2502.9	2658.5	2778.7	2835.2	2870.6	2877.7	2877.7	2842.3
10°	2114.1	2050.4	1986.8	1951.4	1965.6	2092.8	2135.3	2156.5	2142.3	2163.5	2135.3
12.5°	1810.0	1753.5	1661.5	1597.9	1555.5	1590.8	1633.3	1654.5	1668.6	1704.0	1732.3
15°	1470.6	1414.1	1357.5	1322.2	1286.8	1258.5	1293.9	1315.1	1350.4	1378.7	1392.9
17.5°	1117.1	1088.8	1060.6	1081.8	1081.8	1067.6	1081.8	1088.8	1103.0	1124.2	1117.1
20°	905.0	897.9	890.9	926.2	954.5	954.5	968.6	947.4	940.4	919.2	912.1
22.5°	806.0	806.0	813.1	841.4	869.7	883.8	883.8	848.4	813.1	799.0	806.0
25°	749.5	749.5	770.7	777.7	791.9	791.9	799.0	763.6	742.4	721.2	728.3
27.5°	707.0	707.0	714.1	714.1	721.2	721.2	728.3	714.1	685.8	678.8	678.8
30°	678.8	678.8	671.7	671.7	671.7	671.7	678.8	657.5	643.4	636.3	636.3
32.5°	650.5	643.4	636.3	636.3	629.3	629.3	636.3	615.1	608.1	608.1	608.1
35°	565.6	558.6	565.6	579.8	579.8	586.8	586.8	579.8	565.6	551.5	544.4
37.5°	530.3	523.2	523.2	523.2	537.4	544.4	551.5	537.4	516.1	494.9	494.9
40°	502.0	502.0	494.9	494.9	494.9	509.1	523.2	502.0	473.7	466.6	466.6
42.5°	480.8	473.7	466.6	459.6	452.5	473.7	487.9	459.6	445.4	445.4	445.4
45°	459.6	452.5	445.4	438.4	431.3	438.4	452.5	424.2	417.2	417.2	417.2
47.5°	438.4	431.3	417.2	410.1	403.0	403.0	417.2	395.9	388.9	395.9	395.9
50°	424.2	410.1	395.9	388.9	381.8	381.8	381.8	374.7	374.7	374.7	381.8
52.5°	410.1	395.9	374.7	367.7	360.6	360.6	360.6	360.6	353.5	360.6	367.7
55°	388.9	374.7	360.6	353.5	346.5	339.4	346.5	339.4	339.4	346.5	346.5
57.5°	360.6	346.5	332.3	332.3	325.2	325.2	332.3	325.2	325.2	332.3	332.3
60°	339.4	325.2	311.1	311.1	304.0	311.1	318.2	311.1	311.1	311.1	318.2
62.5°	311.1	304.0	289.9	289.9	289.9	289.9	297.0	289.9	297.0	297.0	297.0
65°	289.9	275.7	268.7	268.7	268.7	268.7	282.8	268.7	275.7	275.7	275.7
67.5°	268.7	254.5	247.5	247.5	247.5	247.5	261.6	247.5	254.5	261.6	254.5
70°	247.5	233.3	226.3	226.3	226.3	226.3	233.3	226.3	226.3	233.3	233.3
72.5°	219.2	212.1	205.0	205.0	198.0	205.0	212.1	205.0	205.0	205.0	205.0
75°	198.0	190.9	190.9	183.8	183.8	183.8	190.9	176.8	176.8	176.8	176.8
77.5°	183.8	169.7	169.7	169.7	162.6	169.7	162.6	148.5	148.5	148.5	148.5
80°	155.5	141.4	148.5	148.5	141.4	141.4	134.3	120.2	120.2	120.2	120.2
82.5°	127.3	113.1	120.2	120.2	120.2	120.2	106.1	99.0	91.9	84.8	84.8
85°	113.1	91.9	106.1	106.1	99.0	99.0	70.7	70.7	56.6	56.6	49.5
87.5°	21.2	14.1	28.3	35.4	35.4	42.4	28.3	35.4	21.2	14.1	14.1
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°	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3
2.5°	4482.6	4560.4	4666.5	4744.2	4864.4	4956.4	5097.8	5218.0	5331.1	5380.6	5430.1
5°	3761.5	3811.0	3973.6	4100.8	4291.7	4496.8	4751.3	5027.1	5309.9	5437.1	5585.6
7.5°	2814.0	2905.9	2997.9	3181.7	3415.0	3747.3	4072.6	4482.6	4878.6	5069.5	5324.0
10°	2184.8	2255.5	2361.5	2552.4	2771.6	3047.3	3436.2	3924.1	4397.8	4645.3	4906.9
12.5°	1753.5	1852.4	1993.9	2191.8	2446.4	2729.2	3012.0	3464.5	4016.0	4298.8	4595.8
15°	1421.2	1498.9	1654.5	1901.9	2198.9	2488.8	2785.7	3160.5	3761.5	4086.7	4440.2
17.5°	1131.3	1187.8	1329.2	1576.7	1873.7	2198.9	2538.3	3012.0	3676.6	4072.6	4489.7
20°	919.2	961.6	1053.5	1237.3	1520.1	1873.7	2297.9	2870.6	3726.1	4235.2	4744.2
22.5°	806.0	820.2	862.6	961.6	1194.9	1569.6	2078.7	2750.4	3818.0	4475.6	5161.4
25°	728.3	742.4	756.5	820.2	954.5	1308.0	1887.8	2679.7	4016.0	4829.1	5642.2
27.5°	678.8	692.9	700.0	728.3	820.2	1117.1	1725.2	2637.3	4284.7	5345.2	6236.1
30°	636.3	636.3	657.5	700.0	763.6	982.8	1583.8	2538.3	4567.5	5776.5	6702.7
32.5°	601.0	608.1	636.3	657.5	700.0	869.7	1442.4	2411.0	4822.0	6130.0	7162.3
35°	537.4	537.4	544.4	579.8	636.3	777.7	1315.1	2283.7	4963.4	6476.5	7572.4
37.5°	494.9	502.0	516.1	544.4	593.9	714.1	1209.0	2142.3	5111.9	6801.7	8053.2
40°	466.6	473.7	487.9	516.1	565.6	657.5	1117.1	2029.2	5267.5	7155.3	8569.3
42.5°	445.4	452.5	466.6	494.9	537.4	643.4	1018.1	1937.3	5359.4	7480.5	9057.2
45°	424.2	431.3	452.5	480.8	516.1	629.3	961.6	1873.7	5394.7	7699.7	9446.1
47.5°	403.0	410.1	431.3	473.7	516.1	608.1	940.4	1838.3	5423.0	7947.1	9757.2
50°	381.8	395.9	424.2	466.6	523.2	579.8	926.2	1831.2	5585.6	8265.3	10054.1
52.5°	367.7	388.9	417.2	466.6	516.1	537.4	919.2	1852.4	5910.9	8739.0	10478.3
55°	353.5	374.7	403.0	466.6	494.9	502.0	883.8	1887.8	6405.8	9396.6	11079.3
57.5°	339.4	353.5	388.9	452.5	466.6	473.7	813.1	1937.3	6900.7	10040.0	11694.5
60°	318.2	332.3	367.7	452.5	424.2	445.4	721.2	1951.4	7254.2	10245.0	11751.0
62.5°	297.0	311.1	346.5	466.6	388.9	417.2	643.4	1901.9	7324.9	9948.1	11432.9
65°	275.7	289.9	318.2	388.9	360.6	388.9	593.9	1767.6	7091.6	9269.3	10853.1
67.5°	254.5	268.7	289.9	318.2	325.2	353.5	572.7	1555.5	6504.8	8427.9	10061.2
70°	226.3	240.4	261.6	282.8	289.9	332.3	537.4	1350.4	5557.3	7303.7	9092.5
72.5°	205.0	212.1	233.3	247.5	261.6	304.0	516.1	1180.8	4249.3	5910.9	7416.9
75°	176.8	176.8	198.0	212.1	226.3	268.7	473.7	982.8	2997.9	4510.9	5451.3
77.5°	148.5	148.5	162.6	176.8	190.9	233.3	403.0	799.0	2078.7	3577.6	3952.4
80°	113.1	113.1	127.3	141.4	155.5	198.0	325.2	586.8	1286.8	2616.1	2877.7
82.5°	77.8	77.8	99.0	106.1	113.1	155.5	247.5	403.0	756.5	1887.8	2057.5
85°	42.4	42.4	56.6	63.6	77.8	113.1	183.8	282.8	452.5	1364.6	1371.7
87.5°	7.1	7.1	21.2	21.2	35.4	56.6	106.1	155.5	254.5	756.5	480.8
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: P598596  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3	5048.3
2.5°	5522.0	5599.8	5606.8	5606.8	5571.5	5578.6	5479.6	5373.5	5338.2	5331.1
5°	5811.9	6016.9	6073.5	6101.8	6009.8	5868.4	5613.9	5338.2	5196.8	5175.5
7.5°	5755.3	6165.4	6384.6	6412.9	6229.0	5896.7	5451.3	5027.1	4864.4	4822.0
10°	5423.0	5974.5	6370.4	6469.4	6271.5	5847.2	5267.5	4772.5	4574.6	4539.2
12.5°	5189.7	5720.0	6108.8	6243.2	6151.3	5783.6	5175.5	4609.9	4411.9	4362.4
15°	5062.4	5550.3	5804.8	5847.2	5840.2	5684.6	5175.5	4645.3	4426.1	4369.5
17.5°	5168.5	5500.8	5536.1	5437.1	5493.7	5571.5	5288.7	4836.2	4624.0	4574.6
20°	5380.6	5479.6	5309.9	5161.4	5189.7	5437.1	5465.4	5196.8	5027.1	4942.2
22.5°	5826.0	5557.3	5168.5	4963.4	4984.6	5331.1	5698.8	5684.6	5536.1	5493.7
25°	6278.5	5776.5	5126.0	4885.7	4913.9	5309.9	5974.5	6229.0	6151.3	6130.0
27.5°	6780.5	6144.2	5154.3	4850.3	4885.7	5338.2	6165.4	6688.6	6702.7	6681.5
30°	7119.9	6320.9	5239.2	4892.7	4942.2	5408.9	6207.8	6964.4	7091.6	7098.7
32.5°	7402.7	6497.7	5415.9	4963.4	5048.3	5536.1	6320.9	7226.0	7508.8	7515.8
35°	7629.0	6695.7	5635.1	5090.7	5218.0	5748.2	6469.4	7473.4	7897.6	7947.1
37.5°	7918.9	6914.9	5889.7	5366.4	5507.8	6052.3	6731.0	7763.3	8357.2	8491.6
40°	8230.0	7134.0	6257.3	5811.9	6016.9	6504.8	7028.0	8088.5	8746.1	8929.9
42.5°	8576.4	7367.4	6674.5	6412.9	6724.0	7077.5	7367.4	8385.5	9043.1	9255.2
45°	8915.8	7650.2	7282.5	7233.0	7579.5	7756.2	7699.7	8597.6	9325.9	9538.0
47.5°	9156.2	8060.3	8017.8	8314.8	8640.0	8548.1	8088.5	8753.2	9559.2	9792.5
50°	9375.4	8569.3	8944.1	9523.8	9721.8	9410.7	8505.7	8965.3	9806.7	10068.3
52.5°	9700.6	9113.8	9898.6	10619.8	10810.7	10315.7	8958.2	9311.7	10188.5	10421.8
55°	10365.2	9728.9	10895.5	11722.7	11758.1	11143.0	9566.3	9898.6	10725.8	10994.5
57.5°	11107.6	10485.4	11687.4	12634.8	12620.7	11970.2	10252.1	10690.5	11454.1	11637.9
60°	11779.3	11249.0	12550.0	13285.3	13249.9	12571.2	11051.1	11588.4	12288.4	12429.8
62.5°	12175.2	11941.9	12931.8	13490.3	13356.0	12769.2	11729.8	12387.4	12882.3	12931.8
65°	12111.6	12337.9	12486.3	12832.8	12641.9	12217.7	12062.1	12896.4	12945.9	12896.4
67.5°	11630.8	12111.6	11263.2	11298.5	11199.5	10838.9	11546.0	12762.1	12422.7	12302.5
70°	10902.6	10937.9	9417.8	8972.3	9127.9	8633.0	9905.6	11715.7	11192.5	11044.0
72.5°	9693.5	9255.2	7119.9	6667.4	6900.7	6547.2	7947.1	10209.7	9700.6	9219.8
75°	8131.0	7332.0	5423.0	4779.6	4899.8	4885.7	6158.3	8435.0	7515.8	7035.1
77.5°	6299.7	5712.9	4001.9	3754.4	3627.1	3655.4	4298.8	6271.5	5451.3	4850.3
80°	4602.8	3994.8	3096.8	3238.2	3167.5	2997.9	3012.0	4199.8	3789.7	3429.1
82.5°	3181.7	2842.3	2510.0	2835.2	2665.5	2403.9	2347.4	3026.1	2842.3	2623.1
85°	2135.3	2340.3	1993.9	2170.6	1880.7	1732.3	2206.0	2531.2	2043.3	1824.2
87.5°	1392.9	2142.3	1435.3	1088.8	622.2	834.3	1350.4	1661.5	954.5	516.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)