

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: P598863

Luminaire Tested: **IFLD-M-SA4A-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: P598863  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4A-722-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

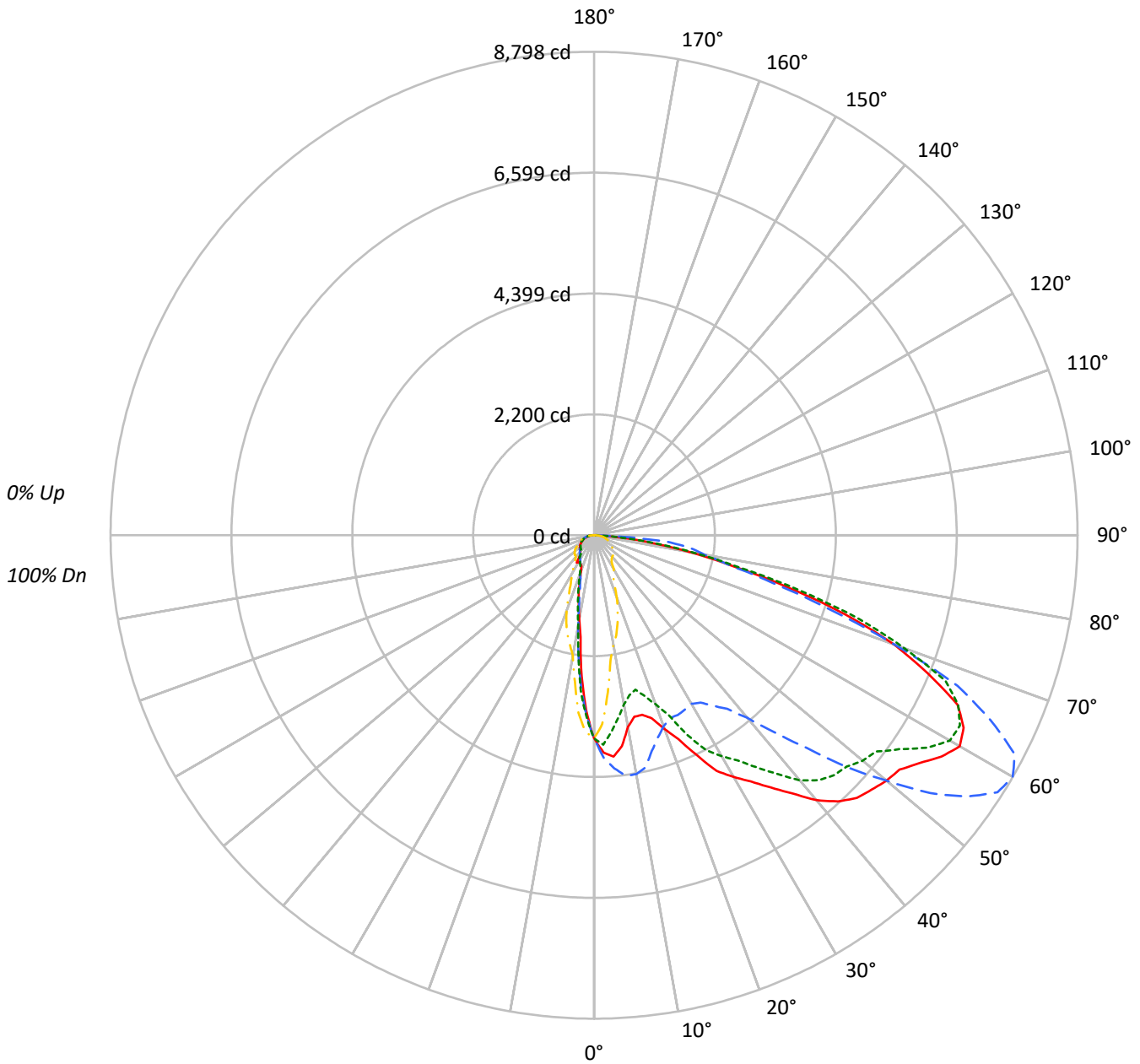
Lumens per Lamp: N/A  
 Luminaire Lumens: 11570.8 lumens  
 Efficiency: N/A  
 Efficacy: 90.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 128.6  
 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	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

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

	0°	90°	180°	270°
0°	39780	39780	39780	39780
5°	43703	38822	27841	30392
10°	38711	34166	16887	18121
15°	37693	32431	11955	12412
20°	42979	37512	7820	8643
25°	52365	47549	6828	7071
30°	63095	57672	7081	6571
35°	73584	67717	5868	5531
40°	88423	81788	5481	5193
45°	102904	93996	5547	5157
50°	116294	106839	5673	5328
55°	135626	127341	5876	5587
60°	165418	160886	5856	5856
65°	185900	186162	6013	6276
70°	182702	189163	6301	6461
75°	150709	160740	6617	7045
80°	108812	114223	7321	7637
85°	60220	64666	8238	10140

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.1	2.5
10°-20°	606.2	5.2
20°-30°	886.9	7.7
30°-40°	1249.6	10.8
40°-50°	1717.3	14.8
50°-60°	2340.5	20.2
60°-70°	2561.5	22.1
70°-80°	1478.9	12.8
80°-90°	442.9	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°	1780.2	15.4
0°-40°	3029.7	26.2
0°-60°	7087.5	61.3
0°-90°	11570.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11570.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3696	3696	3696	3696	3696	
5°	4045	3593	2577	2813	4045	367
15°	3382	2910	1073	1114	3382	988
25°	4409	4004	575	595	4409	2065
35°	5600	5153	447	421	5600	3551
45°	6760	6175	364	339	6760	5196
55°	7227	6786	313	298	7227	6521
65°	7299	7309	236	246	7299	6986
75°	3624	3865	159	169	3624	3893
85°	488	524	67	82	488	677
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°	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7
2.5°	3957.4	3942.0	3957.4	4013.9	4029.3	4055.0	4055.0	4019.0	3952.3	3921.5	3870.2
5°	4044.7	4019.0	4147.3	4265.4	4357.8	4347.5	4260.3	4188.4	4055.0	3854.8	3664.9
7.5°	3870.2	3895.8	3988.2	4296.2	4511.8	4552.8	4414.3	4270.5	3983.1	3705.9	3449.3
10°	3541.7	3577.6	3777.8	4096.0	4434.8	4501.5	4414.3	4239.7	3895.8	3551.9	3254.2
12.5°	3382.5	3464.7	3582.7	3967.7	4208.9	4368.1	4327.0	4214.1	3829.1	3423.6	3136.2
15°	3382.5	3403.1	3577.6	3901.0	4039.6	4044.7	4060.1	4080.6	3849.6	3480.1	3095.1
17.5°	3490.3	3546.8	3695.7	3895.8	3921.5	3859.9	3859.9	3947.2	3890.7	3639.2	3244.0
20°	3752.1	3731.6	3926.6	4008.8	3870.2	3716.2	3700.8	3849.6	3936.9	3808.6	3516.0
22.5°	4013.9	4106.3	4265.4	4080.6	3824.0	3618.7	3598.1	3782.9	4075.5	4101.1	3829.1
25°	4409.1	4501.5	4583.6	4357.8	3818.8	3593.0	3608.4	3752.1	4244.9	4516.9	4352.7
27.5°	4835.1	4891.6	5009.7	4660.6	3942.0	3562.2	3577.6	3793.2	4404.0	4789.0	4763.3
30°	5076.4	5138.0	5112.3	4717.1	4024.2	3582.7	3541.7	3849.6	4316.7	4789.0	5030.2
32.5°	5312.5	5276.6	5261.2	4809.5	4126.8	3711.1	3608.4	3967.7	4368.1	4865.9	5374.1
35°	5599.9	5548.6	5507.5	4989.1	4296.2	3834.2	3788.0	4121.7	4481.0	5025.1	5651.3
37.5°	5918.2	5918.2	5718.0	5122.6	4496.4	4034.4	3983.1	4342.4	4660.6	5122.6	6031.1
40°	6292.9	6308.3	5954.1	5302.2	4722.2	4352.7	4337.3	4629.8	4835.1	5266.3	6395.5
42.5°	6570.1	6580.3	6159.4	5369.0	4984.0	4794.1	4860.8	5091.8	5035.3	5394.6	6421.2
45°	6760.0	6708.6	6303.1	5558.9	5271.4	5456.2	5476.8	5543.5	5297.1	5471.6	6523.9
47.5°	6852.4	6842.1	6364.7	5779.6	5877.1	6128.6	6246.7	6154.3	5538.3	5389.5	6523.9
50°	6944.7	6857.5	6421.2	6082.4	6467.4	6975.5	6949.9	6780.5	5872.0	5492.2	6426.3
52.5°	7006.3	6929.3	6534.1	6354.5	7032.0	7606.9	7709.5	7396.4	6262.1	5682.1	6472.5
55°	7227.1	7165.5	6872.9	6724.0	7683.9	8274.2	8289.6	7853.3	6672.7	5995.2	6775.4
57.5°	7494.0	7529.9	7340.0	7247.6	8181.8	8761.8	8705.3	8192.0	7021.7	6375.0	7124.4
60°	7683.9	7740.3	7694.1	7704.4	8428.1	8926.0	8797.7	8402.5	7278.4	6662.4	7550.4
62.5°	7581.2	7694.1	7884.1	7843.0	8438.4	8808.0	8628.3	8125.3	7309.2	7037.1	7873.8
65°	7298.9	7309.2	7678.7	7904.6	7976.5	8197.2	7961.1	7545.3	6990.9	7268.1	7827.6
67.5°	6575.2	6657.3	6990.9	7432.4	7129.5	7180.9	7160.3	6559.8	6508.5	7109.0	7473.4
70°	5805.3	5861.7	6226.1	6744.6	6020.8	5779.6	5825.8	5379.2	5589.7	6616.2	6760.0
72.5°	4799.2	4835.1	5250.9	5707.7	4830.0	4398.9	4506.6	4142.2	4439.9	5789.9	5702.6
75°	3623.8	3690.5	4013.9	4552.8	3557.1	3279.9	3387.7	3238.8	3516.0	4768.4	4424.5
77.5°	2576.7	2525.4	2925.7	3562.2	2674.2	2510.0	2520.2	2545.9	2843.6	4019.0	3177.2
80°	1755.4	1770.8	2130.1	2612.6	2099.3	2073.7	2048.0	2253.3	2386.8	3182.4	2309.8
82.5°	1042.0	1042.0	1437.2	1858.1	1657.9	1868.4	1750.3	1935.1	1868.4	2340.6	1514.2
85°	487.6	487.6	739.1	1339.7	1283.2	1539.9	1308.9	1462.9	1380.7	1632.2	682.7
87.5°	82.1	71.9	148.9	657.0	528.7	600.5	236.1	780.2	867.5	1139.5	169.4
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°	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7
2.5°	3813.7	3777.8	3705.9	3613.5	3536.5	3439.0	3408.2	3341.5	3249.1	3238.8	3197.8
5°	3593.0	3469.8	3315.8	3125.9	2997.6	2864.1	2751.2	2684.5	2607.5	2597.2	2576.7
7.5°	3351.8	3197.8	2941.1	2715.3	2494.6	2284.1	2181.5	2053.1	1965.9	1899.2	1868.4
10°	3125.9	2982.2	2663.9	2356.0	2160.9	2022.3	1899.2	1765.7	1657.9	1575.8	1545.0
12.5°	2977.1	2807.7	2463.8	2171.2	2027.5	1868.4	1729.8	1586.1	1447.5	1339.7	1283.2
15°	2910.3	2751.2	2402.2	2078.8	1868.4	1647.6	1488.5	1344.8	1175.4	1098.4	1072.8
17.5°	3069.4	2833.3	2381.6	1971.0	1673.3	1421.8	1226.8	1072.8	949.6	872.6	841.8
20°	3274.8	2982.2	2417.6	1842.7	1488.5	1206.2	990.6	826.4	744.3	687.8	682.7
22.5°	3536.5	3202.9	2474.0	1750.3	1283.2	970.1	775.1	677.5	621.1	615.9	605.7
25°	4003.6	3603.3	2566.4	1627.1	1119.0	800.7	662.1	605.7	580.0	564.6	574.9
27.5°	4404.0	3865.0	2633.2	1550.1	1052.2	754.5	641.6	580.0	554.3	549.2	554.3
30°	4640.1	4106.3	2612.6	1406.4	918.8	718.6	682.7	662.1	610.8	569.7	569.7
32.5°	4855.7	4260.3	2607.5	1278.1	785.3	600.5	569.7	554.3	585.1	605.7	590.3
35°	5153.4	4501.5	2592.1	1206.2	728.9	554.3	503.0	462.0	441.4	431.2	446.6
37.5°	5471.6	4665.8	2551.0	1196.0	698.1	528.7	487.6	446.6	426.0	415.8	410.6
40°	5820.7	4840.3	2504.8	1144.6	682.7	513.3	472.2	436.3	410.6	395.2	390.1
42.5°	6046.5	4978.9	2458.6	1119.0	651.9	503.0	456.8	426.0	400.4	379.8	379.8
45°	6174.8	5143.1	2412.4	1093.3	615.9	508.2	456.8	415.8	385.0	374.7	364.4
47.5°	6231.3	5266.3	2397.0	1052.2	585.1	487.6	446.6	405.5	374.7	354.2	349.0
50°	6380.1	5528.1	2453.5	1021.4	549.2	467.1	472.2	400.4	369.6	343.9	338.8
52.5°	6467.4	5738.5	2576.7	975.2	523.6	441.4	462.0	390.1	354.2	328.5	328.5
55°	6785.6	6087.6	2710.1	939.3	492.8	405.5	426.0	369.6	328.5	313.1	313.1
57.5°	7191.1	6457.1	2823.1	923.9	472.2	379.8	379.8	359.3	313.1	292.6	287.4
60°	7473.4	6760.0	2889.8	913.6	451.7	354.2	338.8	359.3	297.7	277.2	272.0
62.5°	7504.2	6585.4	2823.1	908.5	446.6	328.5	308.0	343.9	282.3	261.8	251.5
65°	7309.2	6231.3	2638.3	888.0	441.4	302.8	287.4	297.7	261.8	246.4	236.1
67.5°	6919.1	5656.4	2371.4	877.7	436.3	282.3	261.8	256.6	241.2	225.8	215.6
70°	6010.6	4907.0	2058.3	831.5	426.0	266.9	236.1	231.0	215.6	205.3	200.2
72.5°	5045.6	4013.9	1699.0	769.9	405.5	241.2	215.6	205.3	200.2	184.8	179.6
75°	3865.0	3090.0	1360.2	682.7	354.2	215.6	189.9	179.6	174.5	164.3	159.1
77.5°	2715.3	2299.5	1006.0	554.3	297.7	195.0	169.4	159.1	154.0	138.6	138.6
80°	1842.7	1611.7	682.7	385.0	231.0	159.1	148.9	138.6	128.3	118.1	118.1
82.5°	1144.6	1129.2	492.8	251.5	169.4	128.3	118.1	118.1	102.7	92.4	92.4
85°	523.6	692.9	343.9	174.5	128.3	97.5	97.5	92.4	82.1	66.7	66.7
87.5°	164.3	231.0	179.6	77.0	71.9	56.5	56.5	51.3	51.3	41.1	41.1
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°	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7
2.5°	3238.8	3233.7	3233.7	3213.2	3264.5	3264.5	3295.3	3269.6	3285.0	3290.2	3331.2
5°	2571.6	2612.6	2643.4	2705.0	2740.9	2756.3	2756.3	2797.4	2782.0	2812.8	2874.4
7.5°	1883.8	1935.1	2027.5	2104.5	2166.1	2186.6	2181.5	2191.7	2207.1	2171.2	2181.5
10°	1524.5	1488.5	1519.3	1591.2	1647.6	1714.4	1663.0	1657.9	1673.3	1657.9	1688.7
12.5°	1272.9	1231.9	1206.2	1206.2	1247.3	1278.1	1262.7	1288.3	1344.8	1360.2	1396.1
15°	1031.7	995.8	975.2	949.6	990.6	1000.9	1016.3	1052.2	1093.3	1113.8	1154.9
17.5°	826.4	826.4	826.4	805.9	821.3	836.7	841.8	888.0	893.1	913.6	929.0
20°	677.5	692.9	718.6	728.9	744.3	744.3	734.0	759.7	739.1	754.5	764.8
22.5°	610.8	631.3	641.6	646.7	667.3	672.4	646.7	651.9	657.0	641.6	646.7
25°	574.9	585.1	574.9	580.0	585.1	574.9	580.0	590.3	585.1	595.4	590.3
27.5°	559.5	549.2	544.1	538.9	538.9	528.7	533.8	533.8	544.1	549.2	549.2
30°	559.5	544.1	523.6	508.2	508.2	492.8	503.0	513.3	518.4	528.7	528.7
32.5°	574.9	544.1	508.2	492.8	477.4	467.1	477.4	492.8	513.3	518.4	523.6
35°	456.8	472.2	467.1	446.6	441.4	441.4	436.3	436.3	420.9	420.9	415.8
37.5°	410.6	405.5	415.8	420.9	426.0	410.6	410.6	390.1	385.0	390.1	390.1
40°	385.0	385.0	385.0	400.4	405.5	395.2	379.8	369.6	369.6	369.6	374.7
42.5°	374.7	364.4	359.3	369.6	385.0	374.7	359.3	354.2	354.2	359.3	359.3
45°	359.3	354.2	349.0	343.9	364.4	349.0	343.9	338.8	338.8	338.8	343.9
47.5°	343.9	338.8	328.5	328.5	333.6	328.5	323.4	323.4	323.4	333.6	333.6
50°	333.6	328.5	318.2	318.2	318.2	318.2	313.1	313.1	313.1	318.2	323.4
52.5°	318.2	313.1	308.0	302.8	302.8	302.8	302.8	302.8	302.8	308.0	313.1
55°	302.8	297.7	292.6	292.6	297.7	297.7	292.6	297.7	292.6	297.7	302.8
57.5°	287.4	282.3	277.2	282.3	287.4	282.3	282.3	282.3	282.3	282.3	287.4
60°	266.9	266.9	266.9	266.9	277.2	277.2	277.2	277.2	266.9	272.0	277.2
62.5°	256.6	251.5	251.5	256.6	261.8	261.8	266.9	261.8	256.6	261.8	261.8
65°	236.1	236.1	236.1	241.2	241.2	246.4	246.4	246.4	241.2	246.4	246.4
67.5°	220.7	220.7	220.7	220.7	231.0	231.0	231.0	231.0	225.8	225.8	231.0
70°	195.0	200.2	195.0	205.3	215.6	210.4	215.6	215.6	210.4	205.3	215.6
72.5°	179.6	179.6	179.6	179.6	195.0	195.0	195.0	200.2	195.0	189.9	195.0
75°	159.1	159.1	159.1	164.3	174.5	174.5	174.5	174.5	174.5	169.4	169.4
77.5°	138.6	143.7	138.6	143.7	154.0	148.9	154.0	159.1	154.0	148.9	148.9
80°	118.1	118.1	118.1	123.2	128.3	128.3	128.3	133.5	128.3	123.2	123.2
82.5°	92.4	92.4	97.5	97.5	102.7	102.7	102.7	107.8	102.7	97.5	97.5
85°	71.9	71.9	71.9	77.0	77.0	82.1	82.1	87.3	87.3	82.1	82.1
87.5°	46.2	41.1	46.2	46.2	51.3	51.3	46.2	41.1	46.2	41.1	35.9
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: P598863  
 CATALOG NUMBER: IFLD-M-SA4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7
2.5°	3372.3	3464.7	3531.4	3577.6	3644.3	3772.6	3824.0	3916.4	3942.0	3957.4
5°	2900.1	2997.6	3141.3	3244.0	3362.0	3603.3	3788.0	3926.6	3988.2	4044.7
7.5°	2273.9	2402.2	2551.0	2684.5	2879.5	3177.2	3418.5	3705.9	3813.7	3870.2
10°	1776.0	1894.0	2058.3	2222.5	2494.6	2746.1	3090.0	3351.8	3500.6	3541.7
12.5°	1498.8	1637.4	1832.4	2032.6	2202.0	2489.4	2838.5	3218.3	3356.9	3382.5
15°	1272.9	1462.9	1663.0	1868.4	2063.4	2314.9	2689.6	3151.6	3356.9	3382.5
17.5°	1052.2	1221.6	1457.7	1678.4	1904.3	2248.2	2715.3	3208.0	3413.3	3490.3
20°	836.7	1000.9	1185.7	1462.9	1770.8	2135.3	2771.7	3397.9	3670.0	3752.1
22.5°	692.9	764.8	944.4	1211.4	1575.8	2058.3	2828.2	3695.7	3983.1	4013.9
25°	605.7	657.0	769.9	1021.4	1421.8	2006.9	2961.7	4039.6	4409.1	4409.1
27.5°	564.6	585.1	662.1	888.0	1314.0	1960.7	3095.1	4419.4	4763.3	4835.1
30°	554.3	605.7	646.7	790.5	1196.0	1832.4	3218.3	4717.1	5071.3	5076.4
32.5°	544.1	533.8	564.6	687.8	1052.2	1699.0	3321.0	5019.9	5297.1	5312.5
35°	426.0	446.6	497.9	605.7	944.4	1601.4	3372.3	5184.2	5584.5	5599.9
37.5°	400.4	426.0	467.1	559.5	872.6	1519.3	3387.7	5502.4	5887.4	5918.2
40°	390.1	410.6	441.4	518.4	816.1	1416.7	3418.5	5830.9	6333.9	6292.9
42.5°	369.6	395.2	426.0	497.9	769.9	1339.7	3423.6	6010.6	6570.1	6570.1
45°	364.4	379.8	415.8	497.9	718.6	1272.9	3341.5	6190.2	6842.1	6760.0
47.5°	343.9	374.7	405.5	482.5	657.0	1206.2	3244.0	6282.6	6878.0	6852.4
50°	338.8	369.6	420.9	456.8	621.1	1175.4	3223.4	6513.6	6949.9	6944.7
52.5°	328.5	359.3	436.3	436.3	574.9	1134.4	3321.0	6616.2	6965.3	7006.3
55°	313.1	359.3	405.5	400.4	533.8	1083.0	3428.7	6883.2	7237.3	7227.1
57.5°	302.8	349.0	385.0	364.4	487.6	1047.1	3587.9	7139.8	7565.8	7494.0
60°	287.4	349.0	343.9	338.8	451.7	1016.3	3721.3	7191.1	7637.7	7683.9
62.5°	277.2	364.4	302.8	313.1	420.9	1000.9	3664.9	6806.2	7540.2	7581.2
65°	266.9	313.1	277.2	287.4	410.6	970.1	3444.1	6344.2	7119.3	7298.9
67.5°	246.4	256.6	256.6	266.9	400.4	898.2	2992.5	5512.7	6477.7	6575.2
70°	225.8	231.0	231.0	246.4	390.1	816.1	2468.9	4768.4	5620.5	5805.3
72.5°	205.3	205.3	205.3	225.8	359.3	749.4	2032.6	3664.9	4670.9	4799.2
75°	179.6	179.6	179.6	200.2	323.4	682.7	1601.4	2725.5	3439.0	3623.8
77.5°	159.1	159.1	154.0	179.6	282.3	554.3	1154.9	1924.8	2422.7	2576.7
80°	133.5	128.3	128.3	143.7	220.7	400.4	744.3	1360.2	1688.7	1755.4
82.5°	107.8	102.7	97.5	107.8	159.1	251.5	462.0	949.6	1083.0	1042.0
85°	102.7	107.8	87.3	82.1	112.9	164.3	292.6	585.1	487.6	487.6
87.5°	41.1	35.9	35.9	30.8	56.5	61.6	128.3	107.8	82.1	82.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)