

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: P598849

Luminaire Tested: **IFLD-S-SA2B-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: P598849  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2B-722-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (32) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

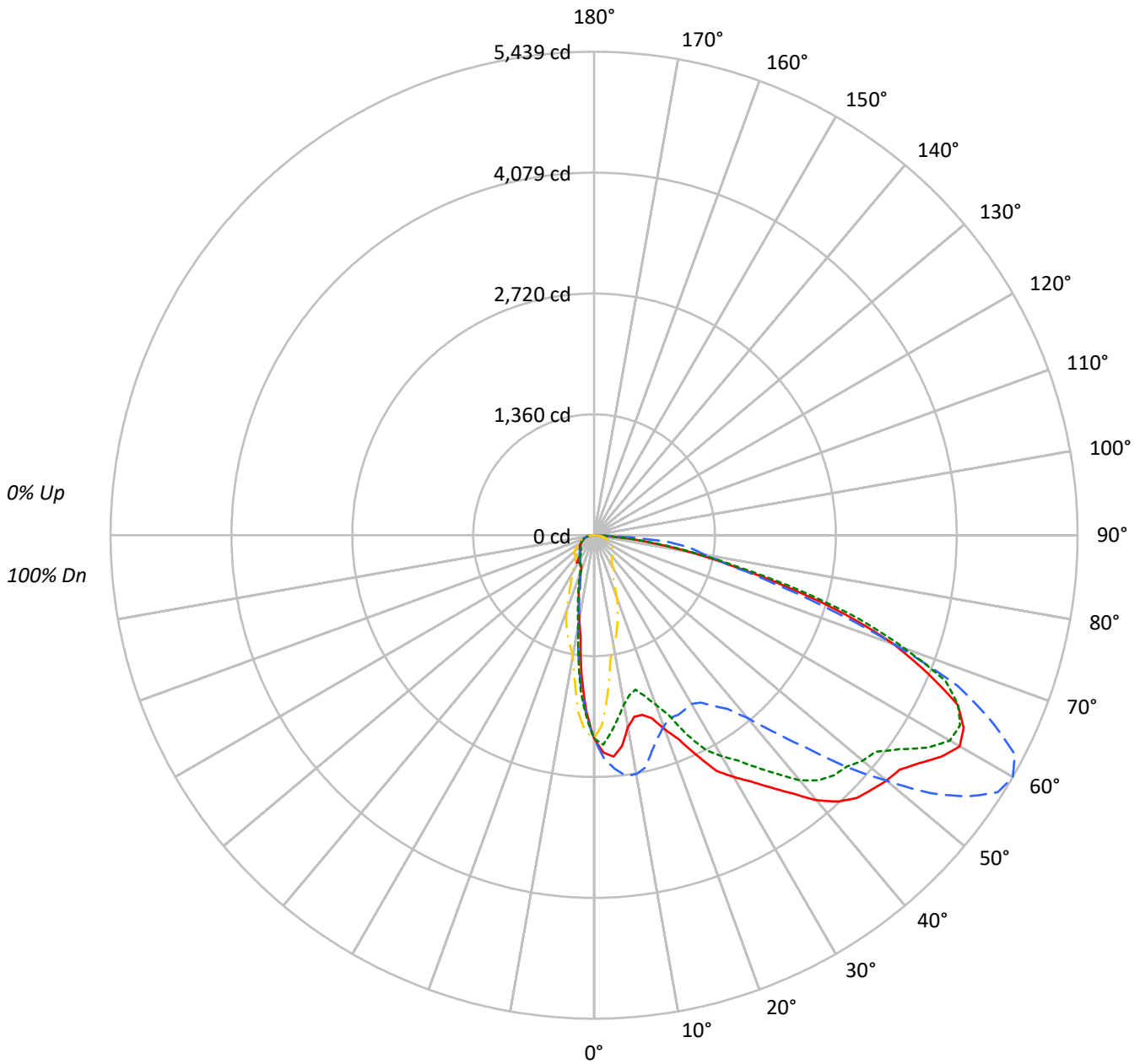
Lumens per Lamp: N/A  
 Luminaire Lumens: 7153.9 lumens  
 Efficiency: N/A  
 Efficacy: 86.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 82.4  
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

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

	0°	90°	180°	270°
0°	49189	49189	49189	49189
5°	54040	48005	34427	37582
10°	47867	42247	20881	22406
15°	46609	40104	14783	15347
20°	53145	46385	9670	10687
25°	64752	58797	8442	8744
30°	78020	71313	8758	8126
35°	90991	83735	7256	6838
40°	109339	101133	6778	6421
45°	127245	116230	6859	6375
50°	143802	132110	7013	6591
55°	167707	157461	7266	6910
60°	204545	198943	7242	7242
65°	229873	230194	7437	7758
70°	225916	233903	7792	7987
75°	186358	198760	8185	8709
80°	134549	141243	9050	9447
85°	74472	79955	10201	12548

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.5	2.5
10°-20°	374.8	5.2
20°-30°	548.3	7.7
30°-40°	772.6	10.8
40°-50°	1061.7	14.8
50°-60°	1447.0	20.2
60°-70°	1583.7	22.1
70°-80°	914.3	12.8
80°-90°	273.8	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°	1100.6	15.4
0°-40°	1873.2	26.2
0°-60°	4382.0	61.3
0°-90°	7153.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7153.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2285	2285	2285	2285	2285	
5°	2501	2221	1593	1739	2501	227
15°	2091	1799	663	689	2091	611
25°	2726	2475	355	368	2726	1277
35°	3462	3186	276	260	3462	2195
45°	4180	3818	225	209	4180	3212
55°	4468	4195	194	184	4468	4032
65°	4513	4519	146	152	4513	4319
75°	2240	2390	98	105	2240	2407
85°	302	324	41	51	302	418
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°	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9
2.5°	2446.7	2437.2	2446.7	2481.7	2491.2	2507.0	2507.0	2484.8	2443.6	2424.5	2392.8
5°	2500.7	2484.8	2564.2	2637.2	2694.3	2687.9	2634.0	2589.6	2507.0	2383.3	2265.9
7.5°	2392.8	2408.7	2465.8	2656.2	2789.5	2814.9	2729.2	2640.3	2462.6	2291.2	2132.6
10°	2189.7	2211.9	2335.7	2532.4	2741.9	2783.1	2729.2	2621.3	2408.7	2196.0	2012.0
12.5°	2091.3	2142.1	2215.1	2453.1	2602.2	2700.6	2675.2	2605.4	2367.4	2116.7	1939.0
15°	2091.3	2104.0	2211.9	2411.8	2497.5	2500.7	2510.2	2522.9	2380.1	2151.6	1913.6
17.5°	2158.0	2192.9	2284.9	2408.7	2424.5	2386.5	2386.5	2440.4	2405.5	2250.0	2005.6
20°	2319.8	2307.1	2427.7	2478.5	2392.8	2297.6	2288.1	2380.1	2434.1	2354.7	2173.8
22.5°	2481.7	2538.8	2637.2	2522.9	2364.2	2237.3	2224.6	2338.9	2519.7	2535.6	2367.4
25°	2726.0	2783.1	2833.9	2694.3	2361.1	2221.4	2231.0	2319.8	2624.5	2792.7	2691.1
27.5°	2989.4	3024.3	3097.3	2881.5	2437.2	2202.4	2211.9	2345.2	2722.8	2960.9	2945.0
30°	3138.6	3176.6	3160.8	2916.4	2488.0	2215.1	2189.7	2380.1	2668.9	2960.9	3110.0
32.5°	3284.5	3262.3	3252.8	2973.5	2551.5	2294.4	2231.0	2453.1	2700.6	3008.5	3322.6
35°	3462.3	3430.5	3405.1	3084.6	2656.2	2370.6	2342.0	2548.3	2770.4	3106.8	3494.0
37.5°	3659.0	3659.0	3535.3	3167.1	2780.0	2494.4	2462.6	2684.8	2881.5	3167.1	3728.8
40°	3890.7	3900.2	3681.2	3278.2	2919.6	2691.1	2681.6	2862.5	2989.4	3256.0	3954.1
42.5°	4062.0	4068.4	3808.2	3319.5	3081.4	2964.0	3005.3	3148.1	3113.2	3335.3	3970.0
45°	4179.5	4147.7	3897.0	3436.9	3259.2	3373.4	3386.1	3427.4	3275.0	3382.9	4033.5
47.5°	4236.6	4230.2	3935.1	3573.3	3633.6	3789.1	3862.1	3805.0	3424.2	3332.1	4033.5
50°	4293.7	4239.8	3970.0	3760.6	3998.6	4312.8	4296.9	4192.2	3630.5	3395.6	3973.2
52.5°	4331.8	4284.2	4039.8	3928.8	4347.7	4703.1	4766.6	4573.0	3871.6	3513.0	4001.8
55°	4468.3	4430.2	4249.3	4157.3	4750.7	5115.6	5125.2	4855.4	4125.5	3706.6	4189.0
57.5°	4633.3	4655.5	4538.1	4480.9	5058.5	5417.1	5382.2	5064.9	4341.3	3941.5	4404.8
60°	4750.7	4785.6	4757.0	4763.4	5210.8	5518.7	5439.3	5195.0	4500.0	4119.2	4668.2
62.5°	4687.2	4757.0	4874.5	4849.1	5217.2	5445.7	5334.6	5023.6	4519.0	4350.8	4868.1
65°	4512.7	4519.0	4747.5	4887.2	4931.6	5068.0	4922.1	4665.0	4322.3	4493.6	4839.5
67.5°	4065.2	4116.0	4322.3	4595.2	4408.0	4439.7	4427.0	4055.7	4024.0	4395.3	4620.6
70°	3589.2	3624.1	3849.4	4169.9	3722.5	3573.3	3601.9	3325.8	3455.9	4090.6	4179.5
72.5°	2967.2	2989.4	3246.5	3528.9	2986.2	2719.7	2786.3	2561.0	2745.1	3579.7	3525.7
75°	2240.5	2281.7	2481.7	2814.9	2199.2	2027.9	2094.5	2002.5	2173.8	2948.2	2735.5
77.5°	1593.1	1561.3	1808.9	2202.4	1653.4	1551.8	1558.2	1574.0	1758.1	2484.8	1964.4
80°	1085.3	1094.8	1317.0	1615.3	1298.0	1282.1	1266.2	1393.2	1475.7	1967.6	1428.1
82.5°	644.2	644.2	888.6	1148.8	1025.0	1155.1	1082.2	1196.4	1155.1	1447.1	936.2
85°	301.5	301.5	457.0	828.3	793.4	952.0	809.2	904.4	853.7	1009.2	422.1
87.5°	50.8	44.4	92.0	406.2	326.9	371.3	146.0	482.4	536.3	704.5	104.7
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°	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9
2.5°	2357.9	2335.7	2291.2	2234.1	2186.5	2126.2	2107.2	2065.9	2008.8	2002.5	1977.1
5°	2221.4	2145.3	2050.1	1932.6	1853.3	1770.8	1701.0	1659.7	1612.1	1605.8	1593.1
7.5°	2072.3	1977.1	1818.4	1678.8	1542.3	1412.2	1348.7	1269.4	1215.4	1174.2	1155.1
10°	1932.6	1843.8	1647.0	1456.6	1336.0	1250.3	1174.2	1091.7	1025.0	974.3	955.2
12.5°	1840.6	1735.9	1523.3	1342.4	1253.5	1155.1	1069.5	980.6	894.9	828.3	793.4
15°	1799.4	1701.0	1485.2	1285.3	1155.1	1018.7	920.3	831.5	726.7	679.1	663.3
17.5°	1897.7	1751.8	1472.5	1218.6	1034.6	879.1	758.5	663.3	587.1	539.5	520.4
20°	2024.7	1843.8	1494.7	1139.3	920.3	745.8	612.5	510.9	460.2	425.2	422.1
22.5°	2186.5	1980.2	1529.6	1082.2	793.4	599.8	479.2	418.9	384.0	380.8	374.5
25°	2475.3	2227.8	1586.7	1006.0	691.8	495.1	409.4	374.5	358.6	349.1	355.4
27.5°	2722.8	2389.6	1628.0	958.4	650.6	466.5	396.7	358.6	342.7	339.6	342.7
30°	2868.8	2538.8	1615.3	869.5	568.1	444.3	422.1	409.4	377.6	352.3	352.3
32.5°	3002.1	2634.0	1612.1	790.2	485.5	371.3	352.3	342.7	361.8	374.5	364.9
35°	3186.2	2783.1	1602.6	745.8	450.6	342.7	311.0	285.6	272.9	266.6	276.1
37.5°	3382.9	2884.7	1577.2	739.4	431.6	326.9	301.5	276.1	263.4	257.1	253.9
40°	3598.7	2992.6	1548.7	707.7	422.1	317.3	292.0	269.7	253.9	244.4	241.2
42.5°	3738.4	3078.3	1520.1	691.8	403.0	311.0	282.4	263.4	247.5	234.8	234.8
45°	3817.7	3179.8	1491.5	676.0	380.8	314.2	282.4	257.1	238.0	231.7	225.3
47.5°	3852.6	3256.0	1482.0	650.6	361.8	301.5	276.1	250.7	231.7	219.0	215.8
50°	3944.6	3417.8	1516.9	631.5	339.6	288.8	292.0	247.5	228.5	212.6	209.4
52.5°	3998.6	3547.9	1593.1	603.0	323.7	272.9	285.6	241.2	219.0	203.1	203.1
55°	4195.3	3763.7	1675.6	580.7	304.7	250.7	263.4	228.5	203.1	193.6	193.6
57.5°	4446.0	3992.2	1745.4	571.2	292.0	234.8	234.8	222.1	193.6	180.9	177.7
60°	4620.6	4179.5	1786.7	564.9	279.3	219.0	209.4	222.1	184.1	171.4	168.2
62.5°	4639.6	4071.6	1745.4	561.7	276.1	203.1	190.4	212.6	174.5	161.8	155.5
65°	4519.0	3852.6	1631.2	549.0	272.9	187.2	177.7	184.1	161.8	152.3	146.0
67.5°	4277.8	3497.2	1466.1	542.7	269.7	174.5	161.8	158.7	149.2	139.6	133.3
70°	3716.1	3033.8	1272.6	514.1	263.4	165.0	146.0	142.8	133.3	126.9	123.8
72.5°	3119.5	2481.7	1050.4	476.0	250.7	149.2	133.3	126.9	123.8	114.2	111.1
75°	2389.6	1910.4	841.0	422.1	219.0	133.3	117.4	111.1	107.9	101.6	98.4
77.5°	1678.8	1421.7	622.0	342.7	184.1	120.6	104.7	98.4	95.2	85.7	85.7
80°	1139.3	996.5	422.1	238.0	142.8	98.4	92.0	85.7	79.3	73.0	73.0
82.5°	707.7	698.2	304.7	155.5	104.7	79.3	73.0	73.0	63.5	57.1	57.1
85°	323.7	428.4	212.6	107.9	79.3	60.3	60.3	57.1	50.8	41.3	41.3
87.5°	101.6	142.8	111.1	47.6	44.4	34.9	34.9	31.7	31.7	25.4	25.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9
2.5°	2002.5	1999.3	1999.3	1986.6	2018.3	2018.3	2037.4	2021.5	2031.0	2034.2	2059.6
5°	1589.9	1615.3	1634.3	1672.4	1694.6	1704.2	1704.2	1729.5	1720.0	1739.1	1777.1
7.5°	1164.7	1196.4	1253.5	1301.1	1339.2	1351.9	1348.7	1355.1	1364.6	1342.4	1348.7
10°	942.5	920.3	939.3	983.8	1018.7	1059.9	1028.2	1025.0	1034.6	1025.0	1044.1
12.5°	787.0	761.6	745.8	745.8	771.2	790.2	780.7	796.5	831.5	841.0	863.2
15°	637.9	615.7	603.0	587.1	612.5	618.8	628.3	650.6	676.0	688.6	714.0
17.5°	510.9	510.9	510.9	498.2	507.8	517.3	520.4	549.0	552.2	564.9	574.4
20°	418.9	428.4	444.3	450.6	460.2	460.2	453.8	469.7	457.0	466.5	472.8
22.5°	377.6	390.3	396.7	399.9	412.6	415.7	399.9	403.0	406.2	396.7	399.9
25°	355.4	361.8	355.4	358.6	361.8	355.4	358.6	364.9	361.8	368.1	364.9
27.5°	345.9	339.6	336.4	333.2	333.2	326.9	330.0	330.0	336.4	339.6	339.6
30°	345.9	336.4	323.7	314.2	314.2	304.7	311.0	317.3	320.5	326.9	326.9
32.5°	355.4	336.4	314.2	304.7	295.1	288.8	295.1	304.7	317.3	320.5	323.7
35°	282.4	292.0	288.8	276.1	272.9	272.9	269.7	269.7	260.2	260.2	257.1
37.5°	253.9	250.7	257.1	260.2	263.4	253.9	253.9	241.2	238.0	241.2	241.2
40°	238.0	238.0	238.0	247.5	250.7	244.4	234.8	228.5	228.5	228.5	231.7
42.5°	231.7	225.3	222.1	228.5	238.0	231.7	222.1	219.0	219.0	222.1	222.1
45°	222.1	219.0	215.8	212.6	225.3	215.8	212.6	209.4	209.4	209.4	212.6
47.5°	212.6	209.4	203.1	203.1	206.3	203.1	199.9	199.9	199.9	206.3	206.3
50°	206.3	203.1	196.8	196.8	196.8	196.8	193.6	193.6	193.6	196.8	199.9
52.5°	196.8	193.6	190.4	187.2	187.2	187.2	187.2	187.2	187.2	190.4	193.6
55°	187.2	184.1	180.9	180.9	184.1	184.1	180.9	184.1	180.9	184.1	187.2
57.5°	177.7	174.5	171.4	174.5	177.7	174.5	174.5	174.5	174.5	174.5	177.7
60°	165.0	165.0	165.0	165.0	171.4	171.4	171.4	171.4	165.0	168.2	171.4
62.5°	158.7	155.5	155.5	158.7	161.8	161.8	165.0	161.8	158.7	161.8	161.8
65°	146.0	146.0	146.0	149.2	149.2	152.3	152.3	152.3	149.2	152.3	152.3
67.5°	136.5	136.5	136.5	136.5	142.8	142.8	142.8	142.8	139.6	139.6	142.8
70°	120.6	123.8	120.6	126.9	133.3	130.1	133.3	133.3	130.1	126.9	133.3
72.5°	111.1	111.1	111.1	111.1	120.6	120.6	120.6	123.8	120.6	117.4	120.6
75°	98.4	98.4	98.4	101.6	107.9	107.9	107.9	107.9	107.9	104.7	104.7
77.5°	85.7	88.9	85.7	88.9	95.2	92.0	95.2	98.4	95.2	92.0	92.0
80°	73.0	73.0	73.0	76.2	79.3	79.3	79.3	82.5	79.3	76.2	76.2
82.5°	57.1	57.1	60.3	60.3	63.5	63.5	63.5	66.6	63.5	60.3	60.3
85°	44.4	44.4	44.4	47.6	47.6	50.8	50.8	53.9	53.9	50.8	50.8
87.5°	28.6	25.4	28.6	28.6	31.7	31.7	28.6	25.4	28.6	25.4	22.2
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: P598849  
 CATALOG NUMBER: IFLD-S-SA2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9	2284.9
2.5°	2085.0	2142.1	2183.4	2211.9	2253.2	2332.5	2364.2	2421.4	2437.2	2446.7
5°	1793.0	1853.3	1942.2	2005.6	2078.6	2227.8	2342.0	2427.7	2465.8	2500.7
7.5°	1405.8	1485.2	1577.2	1659.7	1780.3	1964.4	2113.5	2291.2	2357.9	2392.8
10°	1098.0	1171.0	1272.6	1374.1	1542.3	1697.8	1910.4	2072.3	2164.3	2189.7
12.5°	926.7	1012.3	1132.9	1256.7	1361.4	1539.1	1754.9	1989.8	2075.5	2091.3
15°	787.0	904.4	1028.2	1155.1	1275.7	1431.2	1662.9	1948.5	2075.5	2091.3
17.5°	650.6	755.3	901.3	1037.7	1177.4	1390.0	1678.8	1983.4	2110.4	2158.0
20°	517.3	618.8	733.1	904.4	1094.8	1320.2	1713.7	2100.8	2269.0	2319.8
22.5°	428.4	472.8	583.9	748.9	974.3	1272.6	1748.6	2284.9	2462.6	2481.7
25°	374.5	406.2	476.0	631.5	879.1	1240.8	1831.1	2497.5	2726.0	2726.0
27.5°	349.1	361.8	409.4	549.0	812.4	1212.3	1913.6	2732.4	2945.0	2989.4
30°	342.7	374.5	399.9	488.7	739.4	1132.9	1989.8	2916.4	3135.4	3138.6
32.5°	336.4	330.0	349.1	425.2	650.6	1050.4	2053.2	3103.7	3275.0	3284.5
35°	263.4	276.1	307.8	374.5	583.9	990.1	2085.0	3205.2	3452.7	3462.3
37.5°	247.5	263.4	288.8	345.9	539.5	939.3	2094.5	3402.0	3640.0	3659.0
40°	241.2	253.9	272.9	320.5	504.6	875.9	2113.5	3605.1	3916.1	3890.7
42.5°	228.5	244.4	263.4	307.8	476.0	828.3	2116.7	3716.1	4062.0	4062.0
45°	225.3	234.8	257.1	307.8	444.3	787.0	2065.9	3827.2	4230.2	4179.5
47.5°	212.6	231.7	250.7	298.3	406.2	745.8	2005.6	3884.3	4252.5	4236.6
50°	209.4	228.5	260.2	282.4	384.0	726.7	1992.9	4027.1	4296.9	4293.7
52.5°	203.1	222.1	269.7	269.7	355.4	701.3	2053.2	4090.6	4306.4	4331.8
55°	193.6	222.1	250.7	247.5	330.0	669.6	2119.9	4255.6	4474.6	4468.3
57.5°	187.2	215.8	238.0	225.3	301.5	647.4	2218.3	4414.3	4677.7	4633.3
60°	177.7	215.8	212.6	209.4	279.3	628.3	2300.8	4446.0	4722.1	4750.7
62.5°	171.4	225.3	187.2	193.6	260.2	618.8	2265.9	4208.0	4661.8	4687.2
65°	165.0	193.6	171.4	177.7	253.9	599.8	2129.4	3922.4	4401.6	4512.7
67.5°	152.3	158.7	158.7	165.0	247.5	555.4	1850.1	3408.3	4004.9	4065.2
70°	139.6	142.8	142.8	152.3	241.2	504.6	1526.4	2948.2	3475.0	3589.2
72.5°	126.9	126.9	126.9	139.6	222.1	463.3	1256.7	2265.9	2887.9	2967.2
75°	111.1	111.1	111.1	123.8	199.9	422.1	990.1	1685.1	2126.2	2240.5
77.5°	98.4	98.4	95.2	111.1	174.5	342.7	714.0	1190.1	1497.9	1593.1
80°	82.5	79.3	79.3	88.9	136.5	247.5	460.2	841.0	1044.1	1085.3
82.5°	66.6	63.5	60.3	66.6	98.4	155.5	285.6	587.1	669.6	644.2
85°	63.5	66.6	53.9	50.8	69.8	101.6	180.9	361.8	301.5	301.5
87.5°	25.4	22.2	22.2	19.0	34.9	38.1	79.3	66.6	50.8	50.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)