

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: P599034

Luminaire Tested: **IFLD-S-SA6C-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599034  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6C-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (96) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

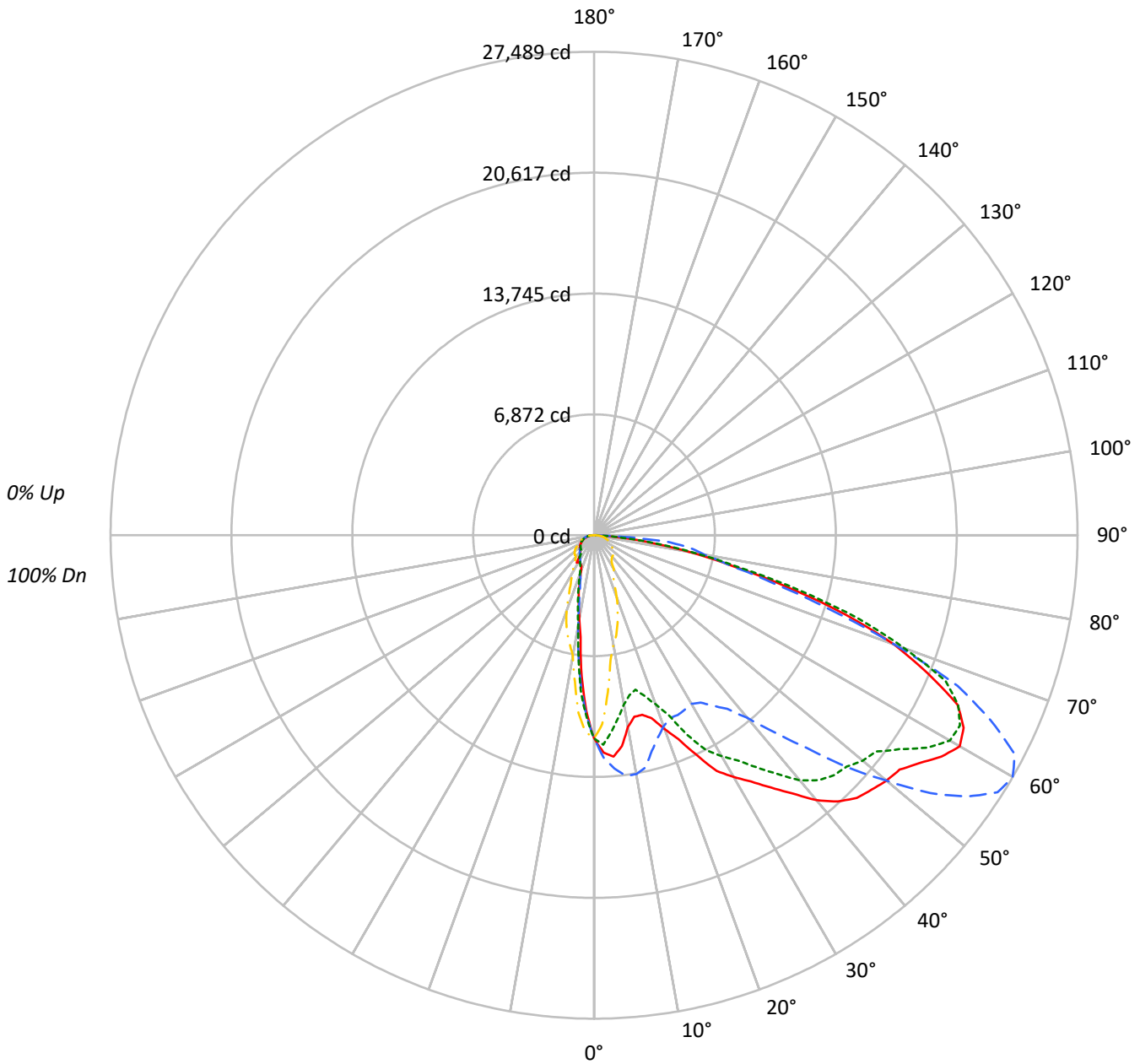
Lumens per Lamp: N/A  
 Luminaire Lumens: 36153.5 lumens  
 Efficiency: N/A  
 Efficacy: 112.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 321.5  
 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	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°	82862	82862	82862	82862
5°	91035	80868	57994	63308
10°	80635	71169	35176	37746
15°	78517	67556	24902	25855
20°	89527	78137	16289	18004
25°	109079	99047	14222	14730
30°	131429	120133	14751	13688
35°	153280	141057	12223	11521
40°	184188	170366	11418	10817
45°	214351	195797	11556	10742
50°	242245	222550	11817	11100
55°	282511	265256	12239	11638
60°	344569	335132	12199	12199
65°	387236	387781	12526	13071
70°	380571	394031	13124	13459
75°	313930	334830	13785	14672
80°	226661	237931	15245	15906
85°	125445	134691	17167	21127

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	897.1	2.5
10°-20°	1894.0	5.2
20°-30°	2771.1	7.7
30°-40°	3904.4	10.8
40°-50°	5365.8	14.8
50°-60°	7312.9	20.2
60°-70°	8003.7	22.1
70°-80°	4620.8	12.8
80°-90°	1383.7	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°	5562.2	15.4
0°-40°	9466.6	26.2
0°-60°	22145.3	61.3
0°-90°	36153.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36153.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11547	11547	11547	11547	11547	
5°	12638	11226	8051	8789	12638	1148
15°	10569	9093	3352	3480	10569	3088
25°	13776	12510	1796	1860	13776	6451
35°	17497	16102	1395	1315	17497	11095
45°	21122	19294	1139	1058	21122	16234
55°	22581	21202	978	930	22581	20375
65°	22806	22838	738	770	22806	21828
75°	11323	12076	497	529	11323	12163
85°	1524	1636	208	257	1524	2114
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°	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2
2.5°	12365.2	12317.0	12365.2	12541.6	12589.7	12669.9	12669.9	12557.6	12349.1	12252.9	12092.5
5°	12637.8	12557.6	12958.6	13327.4	13616.1	13584.0	13311.4	13086.9	12669.9	12044.4	11451.0
7.5°	12092.5	12172.7	12461.4	13423.7	14097.2	14225.5	13792.5	13343.5	12445.3	11579.3	10777.4
10°	11066.1	11178.4	11803.8	12798.2	13856.7	14065.2	13792.5	13247.2	12172.7	11098.2	10168.0
12.5°	10568.9	10825.5	11194.4	12397.2	13151.0	13648.2	13519.9	13167.0	11964.2	10697.2	9799.1
15°	10568.9	10633.1	11178.4	12188.7	12621.8	12637.8	12685.9	12750.1	12028.4	10873.6	9670.8
17.5°	10905.7	11082.1	11547.2	12172.7	12252.9	12060.4	12060.4	12333.1	12156.7	11370.8	10135.9
20°	11723.6	11659.5	12268.9	12525.5	12092.5	11611.4	11563.3	12028.4	12301.0	11900.1	10985.9
22.5°	12541.6	12830.3	13327.4	12750.1	11948.2	11306.7	11242.5	11819.9	12734.0	12814.2	11964.2
25°	13776.5	14065.2	14321.8	13616.1	11932.1	11226.5	11274.6	11723.6	13263.3	14113.3	13600.1
27.5°	15107.6	15284.0	15652.9	14562.3	12317.0	11130.2	11178.4	11851.9	13760.4	14963.3	14883.1
30°	15861.4	16053.9	15973.7	14738.8	12573.6	11194.4	11066.1	12028.4	13487.8	14963.3	15717.1
32.5°	16599.1	16486.9	16438.8	15027.4	12894.4	11595.3	11274.6	12397.2	13648.2	15203.9	16791.6
35°	17497.3	17336.9	17208.6	15588.8	13423.7	11980.2	11835.9	12878.4	14001.0	15701.0	17657.6
37.5°	18491.6	18491.6	17866.1	16005.7	14049.1	12605.7	12445.3	13568.0	14562.3	16005.7	18844.4
40°	19662.4	19710.5	18603.9	16567.1	14754.8	13600.1	13552.0	14466.1	15107.6	16454.8	19983.1
42.5°	20528.4	20560.5	19245.4	16775.6	15572.7	14979.3	15187.8	15909.5	15733.1	16855.7	20063.3
45°	21121.8	20961.4	19694.4	17369.0	16470.8	17048.2	17112.4	17320.8	16551.0	17096.3	20384.1
47.5°	21410.5	21378.4	19886.9	18058.6	18363.3	19149.2	19518.0	19229.3	17304.8	16839.7	20384.1
50°	21699.2	21426.5	20063.3	19004.8	20207.6	21795.4	21715.2	21186.0	18347.3	17160.5	20079.3
52.5°	21891.6	21651.1	20416.1	19854.8	21971.8	23768.0	24088.8	23110.5	19566.1	17753.9	20223.7
55°	22581.2	22388.8	21474.6	21009.5	24008.6	25853.0	25901.1	24537.9	20849.2	18732.2	21169.9
57.5°	23415.2	23527.5	22934.1	22645.4	25564.3	27376.6	27200.1	25596.4	21939.7	19919.0	22260.5
60°	24008.6	24185.0	24040.7	24072.8	26334.1	27889.8	27488.8	26253.9	22741.6	20817.1	23591.6
62.5°	23687.9	24040.7	24634.1	24505.8	26366.2	27520.9	26959.6	25387.9	22837.9	21987.8	24602.0
65°	22805.8	22837.9	23992.6	24698.2	24922.8	25612.4	24874.7	23575.6	21843.5	22709.5	24457.7
67.5°	20544.4	20801.0	21843.5	23222.8	22276.5	22436.9	22372.8	20496.3	20336.0	22212.4	23351.1
70°	18138.8	18315.2	19453.9	21073.7	18812.4	18058.6	18202.9	16807.6	17465.2	20672.7	21121.8
72.5°	14995.4	15107.6	16406.7	17834.1	15091.6	13744.4	14081.2	12942.5	13872.7	18090.7	17818.0
75°	11322.7	11531.2	12541.6	14225.5	11114.2	10248.2	10585.0	10119.9	10985.9	14899.1	13824.6
77.5°	8051.0	7890.6	9141.6	11130.2	8355.7	7842.5	7874.6	7954.8	8885.0	12557.6	9927.4
80°	5484.9	5533.0	6655.7	8163.2	6559.5	6479.3	6399.1	7040.6	7457.6	9943.4	7217.0
82.5°	3255.7	3255.7	4490.6	5805.7	5180.2	5837.8	5468.9	6046.3	5837.8	7313.2	4731.2
85°	1523.6	1523.6	2309.4	4185.9	4009.5	4811.3	4089.6	4570.8	4314.2	5100.0	2133.0
87.5°	256.6	224.5	465.1	2052.8	1651.9	1876.4	737.7	2437.7	2710.4	3560.4	529.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2
2.5°	11916.1	11803.8	11579.3	11290.6	11050.1	10745.3	10649.1	10440.6	10151.9	10119.9	9991.6
5°	11226.5	10841.6	10360.4	9767.0	9366.1	8949.1	8596.3	8387.8	8147.2	8115.1	8051.0
7.5°	10472.7	9991.6	9189.7	8484.0	7794.4	7136.8	6816.1	6415.1	6142.5	5934.0	5837.8
10°	9767.0	9318.0	8323.6	7361.4	6751.9	6318.9	5934.0	5517.0	5180.2	4923.6	4827.4
12.5°	9301.9	8772.7	7698.2	6784.0	6334.9	5837.8	5404.7	4955.7	4522.7	4185.9	4009.5
15°	9093.4	8596.3	7505.7	6495.3	5837.8	5148.1	4651.0	4201.9	3672.7	3432.1	3351.9
17.5°	9590.6	8852.9	7441.5	6158.5	5228.3	4442.5	3833.0	3351.9	2967.0	2726.4	2630.2
20°	10232.1	9318.0	7553.8	5757.6	4651.0	3768.9	3095.3	2582.1	2325.5	2149.1	2133.0
22.5°	11050.1	10007.6	7730.2	5468.9	4009.5	3031.1	2421.7	2117.0	1940.6	1924.5	1892.5
25°	12509.5	11258.5	8018.9	5084.0	3496.2	2501.9	2068.9	1892.5	1812.3	1764.2	1796.2
27.5°	13760.4	12076.5	8227.4	4843.4	3287.8	2357.6	2004.7	1812.3	1732.1	1716.0	1732.1
30°	14498.2	12830.3	8163.2	4394.4	2870.8	2245.3	2133.0	2068.9	1908.5	1780.2	1780.2
32.5°	15171.8	13311.4	8147.2	3993.4	2453.8	1876.4	1780.2	1732.1	1828.3	1892.5	1844.3
35°	16102.0	14065.2	8099.1	3768.9	2277.4	1732.1	1571.7	1443.4	1379.3	1347.2	1395.3
37.5°	17096.3	14578.4	7970.8	3736.8	2181.1	1651.9	1523.6	1395.3	1331.1	1299.1	1283.0
40°	18186.9	15123.7	7826.5	3576.4	2133.0	1603.8	1475.5	1363.2	1283.0	1234.9	1218.9
42.5°	18892.5	15556.7	7682.1	3496.2	2036.8	1571.7	1427.4	1331.1	1250.9	1186.8	1186.8
45°	19293.5	16069.9	7537.8	3416.1	1924.5	1587.7	1427.4	1299.1	1202.8	1170.8	1138.7
47.5°	19469.9	16454.8	7489.7	3287.8	1828.3	1523.6	1395.3	1267.0	1170.8	1106.6	1090.6
50°	19935.0	17272.7	7666.1	3191.5	1716.0	1459.4	1475.5	1250.9	1154.7	1074.5	1058.5
52.5°	20207.6	17930.3	8051.0	3047.2	1635.9	1379.3	1443.4	1218.9	1106.6	1026.4	1026.4
55°	21202.0	19020.9	8468.0	2934.9	1539.6	1267.0	1331.1	1154.7	1026.4	978.3	978.3
57.5°	22469.0	20175.6	8820.8	2886.8	1475.5	1186.8	1186.8	1122.6	978.3	914.2	898.1
60°	23351.1	21121.8	9029.3	2854.7	1411.3	1106.6	1058.5	1122.6	930.2	866.0	850.0
62.5°	23447.3	20576.5	8820.8	2838.7	1395.3	1026.4	962.3	1074.5	882.1	817.9	785.9
65°	22837.9	19469.9	8243.4	2774.5	1379.3	946.2	898.1	930.2	817.9	769.8	737.7
67.5°	21619.0	17673.7	7409.5	2742.5	1363.2	882.1	817.9	801.9	753.8	705.7	673.6
70°	18780.3	15332.2	6431.2	2598.1	1331.1	834.0	737.7	721.7	673.6	641.5	625.5
72.5°	15765.2	12541.6	5308.5	2405.7	1267.0	753.8	673.6	641.5	625.5	577.4	561.3
75°	12076.5	9654.8	4250.0	2133.0	1106.6	673.6	593.4	561.3	545.3	513.2	497.2
77.5°	8484.0	7184.9	3143.4	1732.1	930.2	609.4	529.2	497.2	481.1	433.0	433.0
80°	5757.6	5035.9	2133.0	1202.8	721.7	497.2	465.1	433.0	400.9	368.9	368.9
82.5°	3576.4	3528.3	1539.6	785.9	529.2	400.9	368.9	368.9	320.8	288.7	288.7
85°	1635.9	2165.1	1074.5	545.3	400.9	304.7	304.7	288.7	256.6	208.5	208.5
87.5°	513.2	721.7	561.3	240.6	224.5	176.4	176.4	160.4	160.4	128.3	128.3
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2
2.5°	10119.9	10103.8	10103.8	10039.7	10200.1	10200.1	10296.3	10216.1	10264.2	10280.2	10408.5
5°	8034.9	8163.2	8259.5	8451.9	8564.2	8612.3	8612.3	8740.6	8692.5	8788.7	8981.2
7.5°	5885.9	6046.3	6334.9	6575.5	6768.0	6832.1	6816.1	6848.1	6896.3	6784.0	6816.1
10°	4763.2	4651.0	4747.2	4971.7	5148.1	5356.6	5196.3	5180.2	5228.3	5180.2	5276.4
12.5°	3977.4	3849.1	3768.9	3768.9	3897.2	3993.4	3945.3	4025.5	4201.9	4250.0	4362.3
15°	3223.6	3111.3	3047.2	2967.0	3095.3	3127.4	3175.5	3287.8	3416.1	3480.2	3608.5
17.5°	2582.1	2582.1	2582.1	2517.9	2566.1	2614.2	2630.2	2774.5	2790.6	2854.7	2902.8
20°	2117.0	2165.1	2245.3	2277.4	2325.5	2325.5	2293.4	2373.6	2309.4	2357.6	2389.6
22.5°	1908.5	1972.7	2004.7	2020.8	2084.9	2101.0	2020.8	2036.8	2052.8	2004.7	2020.8
25°	1796.2	1828.3	1796.2	1812.3	1828.3	1796.2	1812.3	1844.3	1828.3	1860.4	1844.3
27.5°	1748.1	1716.0	1700.0	1684.0	1684.0	1651.9	1667.9	1667.9	1700.0	1716.0	1716.0
30°	1748.1	1700.0	1635.9	1587.7	1587.7	1539.6	1571.7	1603.8	1619.8	1651.9	1651.9
32.5°	1796.2	1700.0	1587.7	1539.6	1491.5	1459.4	1491.5	1539.6	1603.8	1619.8	1635.9
35°	1427.4	1475.5	1459.4	1395.3	1379.3	1379.3	1363.2	1363.2	1315.1	1315.1	1299.1
37.5°	1283.0	1267.0	1299.1	1315.1	1331.1	1283.0	1283.0	1218.9	1202.8	1218.9	1218.9
40°	1202.8	1202.8	1202.8	1250.9	1267.0	1234.9	1186.8	1154.7	1154.7	1154.7	1170.8
42.5°	1170.8	1138.7	1122.6	1154.7	1202.8	1170.8	1122.6	1106.6	1106.6	1122.6	1122.6
45°	1122.6	1106.6	1090.6	1074.5	1138.7	1090.6	1074.5	1058.5	1058.5	1058.5	1074.5
47.5°	1074.5	1058.5	1026.4	1026.4	1042.5	1026.4	1010.4	1010.4	1010.4	1042.5	1042.5
50°	1042.5	1026.4	994.3	994.3	994.3	994.3	978.3	978.3	978.3	994.3	1010.4
52.5°	994.3	978.3	962.3	946.2	946.2	946.2	946.2	946.2	946.2	962.3	978.3
55°	946.2	930.2	914.2	914.2	930.2	930.2	914.2	930.2	914.2	930.2	946.2
57.5°	898.1	882.1	866.0	882.1	898.1	882.1	882.1	882.1	882.1	882.1	898.1
60°	834.0	834.0	834.0	834.0	866.0	866.0	866.0	866.0	834.0	850.0	866.0
62.5°	801.9	785.9	785.9	801.9	817.9	817.9	834.0	817.9	801.9	817.9	817.9
65°	737.7	737.7	737.7	753.8	753.8	769.8	769.8	769.8	753.8	769.8	769.8
67.5°	689.6	689.6	689.6	689.6	721.7	721.7	721.7	721.7	705.7	705.7	721.7
70°	609.4	625.5	609.4	641.5	673.6	657.6	673.6	673.6	657.6	641.5	673.6
72.5°	561.3	561.3	561.3	561.3	609.4	609.4	609.4	625.5	609.4	593.4	609.4
75°	497.2	497.2	497.2	513.2	545.3	545.3	545.3	545.3	545.3	529.2	529.2
77.5°	433.0	449.1	433.0	449.1	481.1	465.1	481.1	497.2	481.1	465.1	465.1
80°	368.9	368.9	368.9	384.9	400.9	400.9	400.9	417.0	400.9	384.9	384.9
82.5°	288.7	288.7	304.7	304.7	320.8	320.8	320.8	336.8	320.8	304.7	304.7
85°	224.5	224.5	224.5	240.6	240.6	256.6	256.6	272.6	272.6	256.6	256.6
87.5°	144.3	128.3	144.3	144.3	160.4	160.4	144.3	128.3	144.3	128.3	112.3
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: P599034  
 CATALOG NUMBER: IFLD-S-SA6C-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2	11547.2
2.5°	10536.8	10825.5	11034.0	11178.4	11386.8	11787.8	11948.2	12236.9	12317.0	12365.2
5°	9061.4	9366.1	9815.1	10135.9	10504.8	11258.5	11835.9	12268.9	12461.4	12637.8
7.5°	7104.8	7505.7	7970.8	8387.8	8997.2	9927.4	10681.2	11579.3	11916.1	12092.5
10°	5549.1	5918.0	6431.2	6944.4	7794.4	8580.2	9654.8	10472.7	10937.8	11066.1
12.5°	4683.0	5116.1	5725.5	6351.0	6880.2	7778.3	8868.9	10055.7	10488.7	10568.9
15°	3977.4	4570.8	5196.3	5837.8	6447.2	7233.1	8403.8	9847.2	10488.7	10568.9
17.5°	3287.8	3817.0	4554.7	5244.4	5950.0	7024.6	8484.0	10023.6	10665.1	10905.7
20°	2614.2	3127.4	3704.7	4570.8	5533.0	6671.7	8660.4	10617.0	11467.0	11723.6
22.5°	2165.1	2389.6	2951.0	3784.9	4923.6	6431.2	8836.8	11547.2	12445.3	12541.6
25°	1892.5	2052.8	2405.7	3191.5	4442.5	6270.8	9253.8	12621.8	13776.5	13776.5
27.5°	1764.2	1828.3	2068.9	2774.5	4105.7	6126.4	9670.8	13808.6	14883.1	15107.6
30°	1732.1	1892.5	2020.8	2469.8	3736.8	5725.5	10055.7	14738.8	15845.4	15861.4
32.5°	1700.0	1667.9	1764.2	2149.1	3287.8	5308.5	10376.5	15685.0	16551.0	16599.1
35°	1331.1	1395.3	1555.7	1892.5	2951.0	5003.8	10536.8	16198.2	17449.1	17497.3
37.5°	1250.9	1331.1	1459.4	1748.1	2726.4	4747.2	10585.0	17192.5	18395.4	18491.6
40°	1218.9	1283.0	1379.3	1619.8	2550.0	4426.4	10681.2	18219.0	19790.7	19662.4
42.5°	1154.7	1234.9	1331.1	1555.7	2405.7	4185.9	10697.2	18780.3	20528.4	20528.4
45°	1138.7	1186.8	1299.1	1555.7	2245.3	3977.4	10440.6	19341.6	21378.4	21121.8
47.5°	1074.5	1170.8	1267.0	1507.6	2052.8	3768.9	10135.9	19630.3	21490.7	21410.5
50°	1058.5	1154.7	1315.1	1427.4	1940.6	3672.7	10071.7	20352.0	21715.2	21699.2
52.5°	1026.4	1122.6	1363.2	1363.2	1796.2	3544.4	10376.5	20672.7	21763.3	21891.6
55°	978.3	1122.6	1267.0	1250.9	1667.9	3384.0	10713.3	21506.7	22613.3	22581.2
57.5°	946.2	1090.6	1202.8	1138.7	1523.6	3271.7	11210.4	22308.6	23639.7	23415.2
60°	898.1	1090.6	1074.5	1058.5	1411.3	3175.5	11627.4	22469.0	23864.3	24008.6
62.5°	866.0	1138.7	946.2	978.3	1315.1	3127.4	11451.0	21266.1	23559.6	23687.9
65°	834.0	978.3	866.0	898.1	1283.0	3031.1	10761.4	19822.7	22244.5	22805.8
67.5°	769.8	801.9	801.9	834.0	1250.9	2806.6	9350.0	17224.6	20239.7	20544.4
70°	705.7	721.7	721.7	769.8	1218.9	2550.0	7714.2	14899.1	17561.4	18138.8
72.5°	641.5	641.5	641.5	705.7	1122.6	2341.5	6351.0	11451.0	14594.4	14995.4
75°	561.3	561.3	561.3	625.5	1010.4	2133.0	5003.8	8516.1	10745.3	11322.7
77.5°	497.2	497.2	481.1	561.3	882.1	1732.1	3608.5	6014.2	7569.8	8051.0
80°	417.0	400.9	400.9	449.1	689.6	1250.9	2325.5	4250.0	5276.4	5484.9
82.5°	336.8	320.8	304.7	336.8	497.2	785.9	1443.4	2967.0	3384.0	3255.7
85°	320.8	336.8	272.6	256.6	352.8	513.2	914.2	1828.3	1523.6	1523.6
87.5°	128.3	112.3	112.3	96.2	176.4	192.5	400.9	336.8	256.6	256.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)