

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: P599049

Luminaire Tested: **IFLD-L-SA8C-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: P599049  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8C-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 5700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

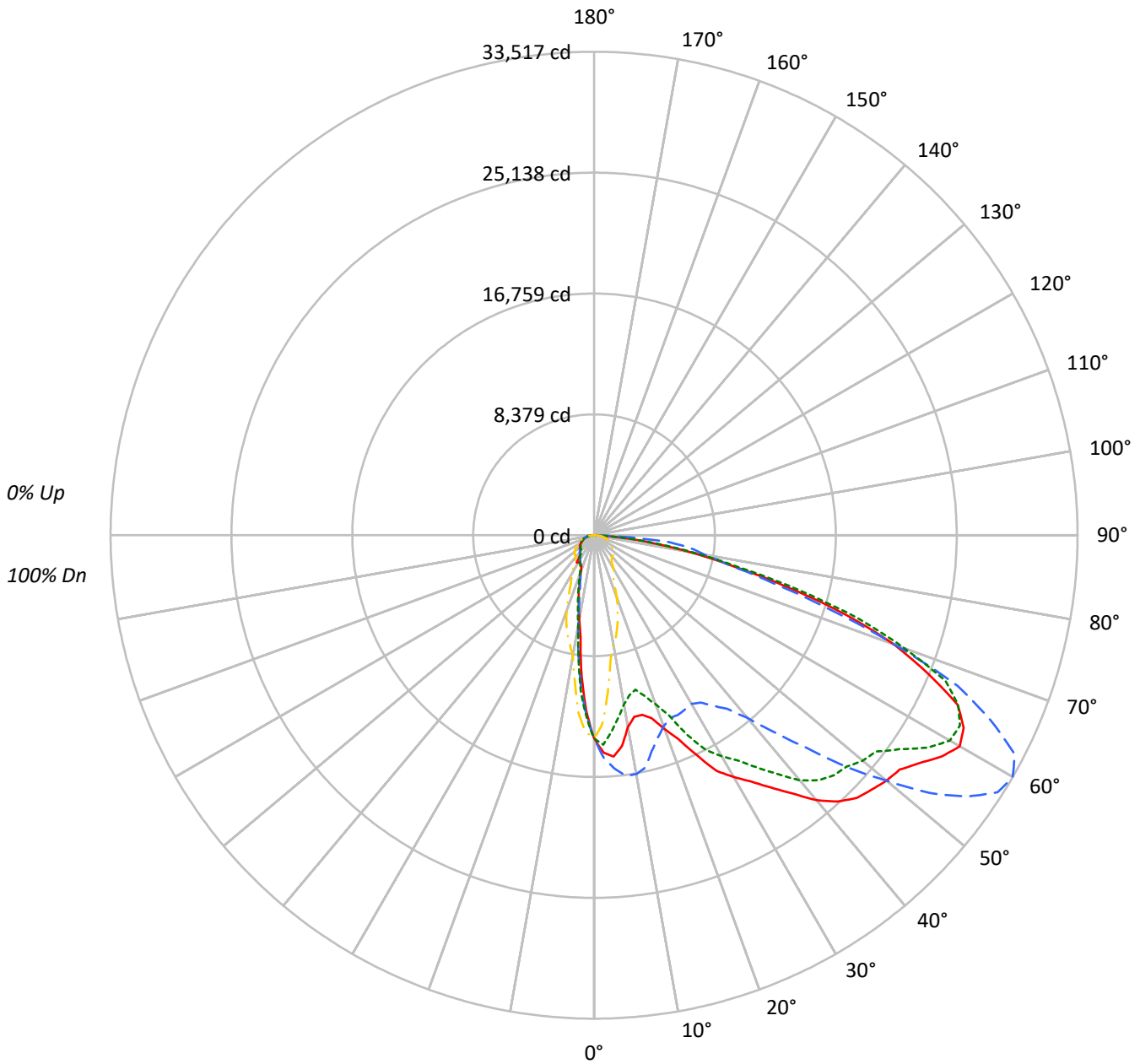
Lumens per Lamp: N/A  
 Luminaire Lumens: 44081.8 lumens  
 Efficiency: N/A  
 Efficacy: 104.9 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 420.3  
 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	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77			77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60			60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47			47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38			38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31			31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26			26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22			22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19			19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17			17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15			15	

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

	0°	90°	180°	270°
0°	75775	75775	75775	75775
5°	83248	73952	53034	57894
10°	73738	65082	32167	34518
15°	71802	61778	22772	23643
20°	81870	71455	14896	16464
25°	99750	90576	13006	13471
30°	120188	109858	13489	12517
35°	140170	128993	11178	10535
40°	168434	155795	10442	9891
45°	196018	179051	10567	9823
50°	221526	203516	10806	10151
55°	258348	242569	11192	10642
60°	315099	306469	11156	11156
65°	354116	354614	11455	11953
70°	348021	360329	12000	12309
75°	287080	306192	12605	13419
80°	207278	217580	13941	14545
85°	114715	123169	15697	19322

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1093.8	2.5
10°-20°	2309.3	5.2
20°-30°	3378.8	7.7
30°-40°	4760.6	10.8
40°-50°	6542.5	14.8
50°-60°	8916.6	20.2
60°-70°	9758.8	22.1
70°-80°	5634.2	12.8
80°-90°	1687.2	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°	6782.0	15.4
0°-40°	11542.6	26.2
0°-60°	27001.6	61.3
0°-90°	44081.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44081.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	14080	14080	14080	14080	14080	
5°	15409	13688	9816	10716	15409	1399
15°	12887	11088	4087	4243	12887	3765
25°	16798	15253	2190	2268	16798	7866
35°	21334	19633	1701	1604	21334	13528
45°	25754	23524	1388	1291	25754	19794
55°	27533	25852	1193	1134	27533	24843
65°	27807	27846	900	939	27807	26614
75°	13806	14725	606	645	13806	14830
85°	1858	1995	254	313	1858	2578
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°	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5
2.5°	15076.8	15018.1	15076.8	15291.9	15350.6	15448.3	15448.3	15311.4	15057.2	14939.9	14744.4
5°	15409.2	15311.4	15800.3	16250.1	16602.1	16563.0	16230.5	15956.8	15448.3	14685.7	13962.2
7.5°	14744.4	14842.1	15194.1	16367.4	17188.7	17345.2	16817.2	16269.6	15174.6	14118.6	13140.9
10°	13492.8	13629.7	14392.4	15604.8	16895.4	17149.6	16817.2	16152.3	14842.1	13532.0	12397.8
12.5°	12886.6	13199.5	13649.3	15115.9	16035.0	16641.2	16484.7	16054.5	14587.9	13043.1	11948.0
15°	12886.6	12964.9	13629.7	14861.7	15389.7	15409.2	15467.9	15546.1	14666.1	13258.2	11791.6
17.5°	13297.3	13512.4	14079.5	14842.1	14939.9	14705.2	14705.2	15037.7	14822.6	13864.4	12358.7
20°	14294.6	14216.4	14959.5	15272.3	14744.4	14157.7	14099.0	14666.1	14998.6	14509.7	13395.1
22.5°	15291.9	15643.9	16250.1	15546.1	14568.4	13786.2	13707.9	14411.9	15526.5	15624.3	14587.9
25°	16797.6	17149.6	17462.5	16602.1	14548.8	13688.4	13747.1	14294.6	16171.9	17208.3	16582.5
27.5°	18420.7	18635.8	19085.5	17755.8	15018.1	13571.1	13629.7	14451.0	16778.1	18244.7	18146.9
30°	19339.7	19574.4	19476.6	17970.9	15331.0	13649.3	13492.8	14666.1	16445.6	18244.7	19163.8
32.5°	20239.3	20102.4	20043.7	18322.9	15722.1	14138.2	13747.1	15115.9	16641.2	18538.0	20473.9
35°	21334.3	21138.8	20982.4	19007.3	16367.4	14607.5	14431.5	15702.5	17071.4	19144.2	21529.9
37.5°	22546.7	22546.7	21784.1	19515.7	17130.0	15370.1	15174.6	16543.4	17755.8	19515.7	22976.9
40°	23974.2	24032.9	22683.6	20200.2	17990.5	16582.5	16523.8	17638.5	18420.7	20063.3	24365.3
42.5°	25030.2	25069.3	23465.8	20454.4	18987.8	18264.2	18518.4	19398.4	19183.3	20552.1	24463.1
45°	25753.7	25558.2	24013.4	21177.9	20082.8	20786.8	20865.0	21119.2	20180.6	20845.5	24854.2
47.5°	26105.7	26066.6	24248.0	22018.8	22390.3	23348.5	23798.3	23446.3	21099.7	20532.6	24854.2
50°	26457.7	26125.3	24463.1	23172.5	24639.1	26575.0	26477.3	25832.0	22370.7	20923.7	24482.7
52.5°	26692.4	26399.0	24893.3	24208.9	26790.1	28980.3	29371.4	28178.5	23856.9	21647.2	24658.7
55°	27533.2	27298.6	26183.9	25616.9	29273.6	31522.4	31581.1	29918.9	25421.3	22840.1	25812.4
57.5°	28550.1	28687.0	27963.4	27611.4	31170.4	33380.1	33165.0	31209.5	26751.0	24287.1	27142.1
60°	29273.6	29488.7	29312.7	29351.8	32109.1	34005.9	33517.0	32011.3	27728.8	25382.2	28765.2
62.5°	28882.5	29312.7	30036.2	29879.8	32148.2	33556.1	32871.7	30955.3	27846.1	26809.7	29997.1
65°	27807.0	27846.1	29254.1	30114.5	30388.2	31229.1	30329.6	28745.6	26633.7	27689.7	29821.1
67.5°	25049.8	25362.6	26633.7	28315.4	27161.7	27357.2	27279.0	24991.1	24795.5	27083.5	28471.9
70°	22116.5	22331.6	23720.0	25695.1	22937.8	22018.8	22194.8	20493.5	21295.2	25206.2	25753.7
72.5°	18283.8	18420.7	20004.6	21745.0	18401.1	16758.5	17169.2	15780.8	16914.9	22057.9	21725.4
75°	13805.7	14059.9	15291.9	17345.2	13551.5	12495.5	12906.2	12339.1	13395.1	18166.5	16856.3
77.5°	9816.5	9621.0	11146.3	13571.1	10188.1	9562.3	9601.4	9699.2	10833.4	15311.4	12104.5
80°	6687.8	6746.4	8115.3	9953.4	7997.9	7900.2	7802.4	8584.6	9093.0	12124.0	8799.7
82.5°	3969.6	3969.6	5475.4	7078.9	6316.2	7118.0	6668.2	7372.2	7118.0	8917.0	5768.7
85°	1857.7	1857.7	2815.9	5103.8	4888.7	5866.5	4986.5	5573.1	5260.3	6218.4	2600.8
87.5°	312.9	273.8	567.1	2503.0	2014.1	2287.9	899.5	2972.3	3304.8	4341.2	645.3
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°	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5
2.5°	14529.3	14392.4	14118.6	13766.6	13473.3	13101.7	12984.4	12730.2	12378.2	12339.1	12182.7
5°	13688.4	13219.1	12632.4	11908.9	11420.0	10911.6	10481.4	10227.2	9933.9	9894.8	9816.5
7.5°	12769.3	12182.7	11204.9	10344.5	9503.7	8701.9	8310.8	7821.9	7489.5	7235.3	7118.0
10°	11908.9	11361.4	10149.0	8975.7	8232.6	7704.6	7235.3	6726.9	6316.2	6003.3	5886.0
12.5°	11341.8	10696.5	9386.3	8271.7	7724.2	7118.0	6590.0	6042.4	5514.5	5103.8	4888.7
15°	11087.6	10481.4	9151.7	7919.7	7118.0	6277.1	5670.9	5123.4	4478.1	4184.7	4087.0
17.5°	11693.8	10794.3	9073.4	7509.1	6374.9	5416.7	4673.6	4087.0	3617.6	3324.3	3207.0
20°	12476.0	11361.4	9210.3	7020.2	5670.9	4595.4	3774.1	3148.3	2835.5	2620.3	2600.8
22.5°	13473.3	12202.2	9425.4	6668.2	4888.7	3695.9	2952.8	2581.2	2366.1	2346.6	2307.5
25°	15252.8	13727.5	9777.4	6198.9	4263.0	3050.6	2522.6	2307.5	2209.7	2151.0	2190.1
27.5°	16778.1	14724.8	10031.6	5905.6	4008.7	2874.6	2444.4	2209.7	2111.9	2092.4	2111.9
30°	17677.6	15643.9	9953.4	5358.0	3500.3	2737.7	2600.8	2522.6	2327.0	2170.6	2170.6
32.5°	18498.9	16230.5	9933.9	4869.2	2991.9	2287.9	2170.6	2111.9	2229.3	2307.5	2248.8
35°	19633.1	17149.6	9875.2	4595.4	2776.8	2111.9	1916.4	1759.9	1681.7	1642.6	1701.3
37.5°	20845.5	17775.4	9718.8	4556.3	2659.5	2014.1	1857.7	1701.3	1623.1	1583.9	1564.4
40°	22175.2	18440.2	9542.8	4360.7	2600.8	1955.5	1799.0	1662.2	1564.4	1505.7	1486.2
42.5°	23035.6	18968.2	9366.8	4263.0	2483.5	1916.4	1740.4	1623.1	1525.3	1447.1	1447.1
45°	23524.5	19594.0	9190.8	4165.2	2346.6	1935.9	1740.4	1583.9	1466.6	1427.5	1388.4
47.5°	23739.6	20063.3	9132.1	4008.7	2229.3	1857.7	1701.3	1544.8	1427.5	1349.3	1329.7
50°	24306.7	21060.6	9347.2	3891.4	2092.4	1779.5	1799.0	1525.3	1407.9	1310.2	1290.6
52.5°	24639.1	21862.3	9816.5	3715.4	1994.6	1681.7	1759.9	1486.2	1349.3	1251.5	1251.5
55°	25851.5	23192.1	10325.0	3578.5	1877.3	1544.8	1623.1	1407.9	1251.5	1192.8	1192.8
57.5°	27396.3	24600.0	10755.2	3519.9	1799.0	1447.1	1447.1	1368.8	1192.8	1114.6	1095.1
60°	28471.9	25753.7	11009.4	3480.8	1720.8	1349.3	1290.6	1368.8	1134.2	1056.0	1036.4
62.5°	28589.2	25088.9	10755.2	3461.2	1701.3	1251.5	1173.3	1310.2	1075.5	997.3	958.2
65°	27846.1	23739.6	10051.2	3383.0	1681.7	1153.7	1095.1	1134.2	997.3	938.6	899.5
67.5°	26359.9	21549.4	9034.3	3343.9	1662.2	1075.5	997.3	977.7	919.1	860.4	821.3
70°	22898.7	18694.4	7841.5	3167.9	1623.1	1016.9	899.5	880.0	821.3	782.2	762.6
72.5°	19222.4	15291.9	6472.7	2933.2	1544.8	919.1	821.3	782.2	762.6	704.0	684.4
75°	14724.8	11772.0	5182.0	2600.8	1349.3	821.3	723.5	684.4	664.9	625.8	606.2
77.5°	10344.5	8760.6	3832.8	2111.9	1134.2	743.1	645.3	606.2	586.6	528.0	528.0
80°	7020.2	6140.2	2600.8	1466.6	880.0	606.2	567.1	528.0	488.9	449.8	449.8
82.5°	4360.7	4302.1	1877.3	958.2	645.3	488.9	449.8	449.8	391.1	352.0	352.0
85°	1994.6	2639.9	1310.2	664.9	488.9	371.5	371.5	352.0	312.9	254.2	254.2
87.5°	625.8	880.0	684.4	293.3	273.8	215.1	215.1	195.5	195.5	156.4	156.4
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°	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5
2.5°	12339.1	12319.6	12319.6	12241.3	12436.9	12436.9	12554.2	12456.4	12515.1	12534.7	12691.1
5°	9797.0	9953.4	10070.7	10305.4	10442.3	10501.0	10501.0	10657.4	10598.7	10716.1	10950.7
7.5°	7176.6	7372.2	7724.2	8017.5	8252.1	8330.4	8310.8	8349.9	8408.6	8271.7	8310.8
10°	5807.8	5670.9	5788.2	6062.0	6277.1	6531.3	6335.8	6316.2	6374.9	6316.2	6433.5
12.5°	4849.6	4693.2	4595.4	4595.4	4751.8	4869.2	4810.5	4908.3	5123.4	5182.0	5318.9
15°	3930.5	3793.6	3715.4	3617.6	3774.1	3813.2	3871.9	4008.7	4165.2	4243.4	4399.8
17.5°	3148.3	3148.3	3148.3	3070.1	3128.8	3187.4	3207.0	3383.0	3402.5	3480.8	3539.4
20°	2581.2	2639.9	2737.7	2776.8	2835.5	2835.5	2796.3	2894.1	2815.9	2874.6	2913.7
22.5°	2327.0	2405.2	2444.4	2463.9	2542.1	2561.7	2463.9	2483.5	2503.0	2444.4	2463.9
25°	2190.1	2229.3	2190.1	2209.7	2229.3	2190.1	2209.7	2248.8	2229.3	2268.4	2248.8
27.5°	2131.5	2092.4	2072.8	2053.3	2053.3	2014.1	2033.7	2033.7	2072.8	2092.4	2092.4
30°	2131.5	2072.8	1994.6	1935.9	1935.9	1877.3	1916.4	1955.5	1975.0	2014.1	2014.1
32.5°	2190.1	2072.8	1935.9	1877.3	1818.6	1779.5	1818.6	1877.3	1955.5	1975.0	1994.6
35°	1740.4	1799.0	1779.5	1701.3	1681.7	1681.7	1662.2	1662.2	1603.5	1603.5	1583.9
37.5°	1564.4	1544.8	1583.9	1603.5	1623.1	1564.4	1564.4	1486.2	1466.6	1486.2	1486.2
40°	1466.6	1466.6	1466.6	1525.3	1544.8	1505.7	1447.1	1407.9	1407.9	1407.9	1427.5
42.5°	1427.5	1388.4	1368.8	1407.9	1466.6	1427.5	1368.8	1349.3	1349.3	1368.8	1368.8
45°	1368.8	1349.3	1329.7	1310.2	1388.4	1329.7	1310.2	1290.6	1290.6	1290.6	1310.2
47.5°	1310.2	1290.6	1251.5	1251.5	1271.1	1251.5	1232.0	1232.0	1232.0	1271.1	1271.1
50°	1271.1	1251.5	1212.4	1212.4	1212.4	1212.4	1192.8	1192.8	1192.8	1212.4	1232.0
52.5°	1212.4	1192.8	1173.3	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1173.3	1192.8
55°	1153.7	1134.2	1114.6	1114.6	1134.2	1134.2	1114.6	1134.2	1114.6	1134.2	1153.7
57.5°	1095.1	1075.5	1056.0	1075.5	1095.1	1075.5	1075.5	1075.5	1075.5	1075.5	1095.1
60°	1016.9	1016.9	1016.9	1016.9	1056.0	1056.0	1056.0	1056.0	1016.9	1036.4	1056.0
62.5°	977.7	958.2	958.2	977.7	997.3	997.3	1016.9	997.3	977.7	997.3	997.3
65°	899.5	899.5	899.5	919.1	919.1	938.6	938.6	938.6	919.1	938.6	938.6
67.5°	840.9	840.9	840.9	840.9	880.0	880.0	880.0	880.0	860.4	860.4	880.0
70°	743.1	762.6	743.1	782.2	821.3	801.7	821.3	821.3	801.7	782.2	821.3
72.5°	684.4	684.4	684.4	684.4	743.1	743.1	743.1	762.6	743.1	723.5	743.1
75°	606.2	606.2	606.2	625.8	664.9	664.9	664.9	664.9	664.9	645.3	645.3
77.5°	528.0	547.5	528.0	547.5	586.6	567.1	586.6	606.2	586.6	567.1	567.1
80°	449.8	449.8	449.8	469.3	488.9	488.9	488.9	508.4	488.9	469.3	469.3
82.5°	352.0	352.0	371.5	371.5	391.1	391.1	391.1	410.7	391.1	371.5	371.5
85°	273.8	273.8	273.8	293.3	293.3	312.9	312.9	332.4	332.4	312.9	312.9
87.5°	176.0	156.4	176.0	176.0	195.5	195.5	176.0	156.4	176.0	156.4	136.9
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: P599049  
 CATALOG NUMBER: IFLD-L-SA8C-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5	14079.5
2.5°	12847.5	13199.5	13453.7	13629.7	13883.9	14372.8	14568.4	14920.3	15018.1	15076.8
5°	11048.5	11420.0	11967.6	12358.7	12808.4	13727.5	14431.5	14959.5	15194.1	15409.2
7.5°	8662.8	9151.7	9718.8	10227.2	10970.3	12104.5	13023.5	14118.6	14529.3	14744.4
10°	6766.0	7215.7	7841.5	8467.2	9503.7	10461.8	11772.0	12769.3	13336.4	13492.8
12.5°	5710.0	6238.0	6981.1	7743.7	8389.0	9484.1	10813.8	12260.9	12788.9	12886.6
15°	4849.6	5573.1	6335.8	7118.0	7861.0	8819.2	10246.7	12006.7	12788.9	12886.6
17.5°	4008.7	4654.1	5553.6	6394.4	7254.8	8565.0	10344.5	12221.8	13004.0	13297.3
20°	3187.4	3813.2	4517.2	5573.1	6746.4	8134.8	10559.6	12945.3	13981.7	14294.6
22.5°	2639.9	2913.7	3598.1	4614.9	6003.3	7841.5	10774.7	14079.5	15174.6	15291.9
25°	2307.5	2503.0	2933.2	3891.4	5416.7	7645.9	11283.1	15389.7	16797.6	16797.6
27.5°	2151.0	2229.3	2522.6	3383.0	5006.0	7470.0	11791.6	16836.7	18146.9	18420.7
30°	2111.9	2307.5	2463.9	3011.4	4556.3	6981.1	12260.9	17970.9	19320.2	19339.7
32.5°	2072.8	2033.7	2151.0	2620.3	4008.7	6472.7	12652.0	19124.6	20180.6	20239.3
35°	1623.1	1701.3	1896.8	2307.5	3598.1	6101.1	12847.5	19750.4	21275.7	21334.3
37.5°	1525.3	1623.1	1779.5	2131.5	3324.3	5788.2	12906.2	20962.8	22429.4	22546.7
40°	1486.2	1564.4	1681.7	1975.0	3109.2	5397.1	13023.5	22214.3	24130.7	23974.2
42.5°	1407.9	1505.7	1623.1	1896.8	2933.2	5103.8	13043.1	22898.7	25030.2	25030.2
45°	1388.4	1447.1	1583.9	1896.8	2737.7	4849.6	12730.2	23583.1	26066.6	25753.7
47.5°	1310.2	1427.5	1544.8	1838.2	2503.0	4595.4	12358.7	23935.1	26203.5	26105.7
50°	1290.6	1407.9	1603.5	1740.4	2366.1	4478.1	12280.4	24815.1	26477.3	26457.7
52.5°	1251.5	1368.8	1662.2	1662.2	2190.1	4321.6	12652.0	25206.2	26535.9	26692.4
55°	1192.8	1368.8	1544.8	1525.3	2033.7	4126.1	13062.6	26223.1	27572.3	27533.2
57.5°	1153.7	1329.7	1466.6	1388.4	1857.7	3989.2	13668.8	27200.8	28823.8	28550.1
60°	1095.1	1329.7	1310.2	1290.6	1720.8	3871.9	14177.3	27396.3	29097.6	29273.6
62.5°	1056.0	1388.4	1153.7	1192.8	1603.5	3813.2	13962.2	25929.7	28726.1	28882.5
65°	1016.9	1192.8	1056.0	1095.1	1564.4	3695.9	13121.3	24169.8	27122.6	27807.0
67.5°	938.6	977.7	977.7	1016.9	1525.3	3422.1	11400.5	21001.9	24678.2	25049.8
70°	860.4	880.0	880.0	938.6	1486.2	3109.2	9405.9	18166.5	21412.6	22116.5
72.5°	782.2	782.2	782.2	860.4	1368.8	2855.0	7743.7	13962.2	17794.9	18283.8
75°	684.4	684.4	684.4	762.6	1232.0	2600.8	6101.1	10383.6	13101.7	13805.7
77.5°	606.2	606.2	586.6	684.4	1075.5	2111.9	4399.8	7333.1	9229.9	9816.5
80°	508.4	488.9	488.9	547.5	840.9	1525.3	2835.5	5182.0	6433.5	6687.8
82.5°	410.7	391.1	371.5	410.7	606.2	958.2	1759.9	3617.6	4126.1	3969.6
85°	391.1	410.7	332.4	312.9	430.2	625.8	1114.6	2229.3	1857.7	1857.7
87.5°	156.4	136.9	136.9	117.3	215.1	234.7	488.9	410.7	312.9	312.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)