

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: P598985

Luminaire Tested: **IFLD-L-SA7B-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598985  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7B-740-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 4000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

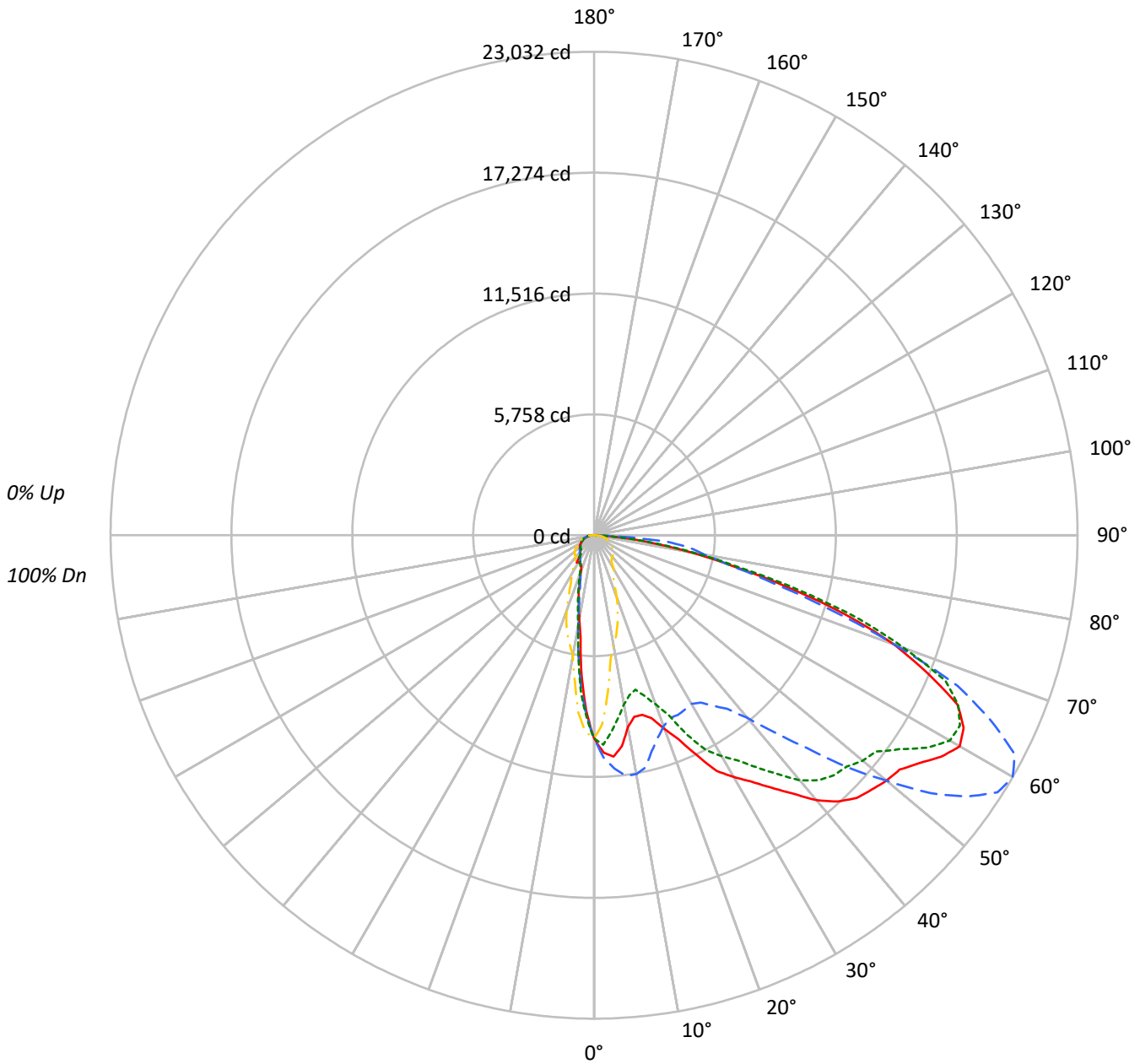
Lumens per Lamp: N/A  
 Luminaire Lumens: 30291.8 lumens  
 Efficiency: N/A  
 Efficacy: 107.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 281  
 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°	52070	52070	52070	52070
5°	57206	50818	36443	39783
10°	50671	44723	22104	23720
15°	49340	42452	15648	16247
20°	56259	49101	10236	11313
25°	68545	62241	8937	9257
30°	82589	75491	9270	8602
35°	96320	88640	7681	7240
40°	115743	107058	7175	6797
45°	134698	123038	7262	6750
50°	152227	139850	7426	6975
55°	177529	166686	7691	7313
60°	216527	210596	7666	7666
65°	243339	243680	7871	8214
70°	239149	247607	8247	8458
75°	197273	210407	8663	9220
80°	142434	149516	9580	9995
85°	78831	84636	10788	13276

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 CATALOG NUMBER: IFLD-L-SA7B-740-U-SLL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	751.6	2.5
10°-20°	1586.9	5.2
20°-30°	2321.8	7.7
30°-40°	3271.3	10.8
40°-50°	4495.8	14.8
50°-60°	6127.3	20.2
60°-70°	6706.0	22.1
70°-80°	3871.6	12.8
80°-90°	1159.4	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°	4660.4	15.4
0°-40°	7931.7	26.2
0°-60°	18554.8	61.3
0°-90°	30291.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30291.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9675	9675	9675	9675	9675	
5°	10589	9406	6746	7364	10589	961
15°	8855	7619	2808	2916	8855	2587
25°	11543	10481	1505	1559	11543	5405
35°	14660	13491	1169	1102	14660	9296
45°	17697	16165	954	887	17697	13602
55°	18920	17764	820	779	18920	17071
65°	19108	19135	618	645	19108	18289
75°	9487	10118	417	443	9487	10191
85°	1277	1371	175	215	1277	1771
90°	0	0	0	0	0	

TEST NUMBER: P598985  
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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0
2.5°	10360.3	10320.0	10360.3	10508.1	10548.5	10615.6	10615.6	10521.6	10346.9	10266.3	10131.9
5°	10588.8	10521.6	10857.5	11166.6	11408.5	11381.6	11153.1	10965.0	10615.6	10091.6	9594.4
7.5°	10131.9	10199.1	10441.0	11247.2	11811.6	11919.1	11556.3	11180.0	10427.5	9701.9	9030.0
10°	9271.9	9366.0	9890.0	10723.1	11610.0	11784.7	11556.3	11099.4	10199.1	9298.8	8519.4
12.5°	8855.3	9070.3	9379.4	10387.2	11018.8	11435.3	11327.8	11032.2	10024.4	8962.8	8210.3
15°	8855.3	8909.1	9366.0	10212.5	10575.3	10588.8	10629.1	10682.8	10078.1	9110.6	8102.8
17.5°	9137.5	9285.3	9675.0	10199.1	10266.3	10105.0	10105.0	10333.5	10185.6	9527.2	8492.5
20°	9822.8	9769.1	10279.7	10494.7	10131.9	9728.8	9688.5	10078.1	10306.6	9970.6	9204.7
22.5°	10508.1	10750.0	11166.6	10682.8	10011.0	9473.5	9419.7	9903.5	10669.4	10736.6	10024.4
25°	11542.8	11784.7	11999.7	11408.5	9997.5	9406.3	9446.6	9822.8	11112.8	11825.0	11395.0
27.5°	12658.2	12806.0	13115.0	12201.3	10320.0	9325.6	9366.0	9930.3	11529.4	12537.2	12470.0
30°	13289.7	13451.0	13383.8	12349.1	10535.0	9379.4	9271.9	10078.1	11301.0	12537.2	13168.8
32.5°	13907.8	13813.8	13773.5	12591.0	10803.8	9715.3	9446.6	10387.2	11435.3	12738.8	14069.1
35°	14660.3	14526.0	14418.5	13061.3	11247.2	10037.8	9916.9	10790.3	11731.0	13155.3	14794.7
37.5°	15493.5	15493.5	14969.4	13410.7	11771.3	10561.9	10427.5	11368.1	12201.3	13410.7	15789.1
40°	16474.4	16514.7	15587.5	13881.0	12362.5	11395.0	11354.7	12120.6	12658.2	13786.9	16743.2
42.5°	17200.0	17226.9	16125.0	14055.7	13047.8	12550.7	12725.3	13330.0	13182.2	14122.8	16810.3
45°	17697.2	17562.8	16501.3	14552.8	13800.3	14284.1	14337.8	14512.5	13867.5	14324.4	17079.1
47.5°	17939.1	17912.2	16662.5	15130.7	15386.0	16044.4	16353.5	16111.6	14499.1	14109.4	17079.1
50°	18181.0	17952.5	16810.3	15923.5	16931.3	18261.6	18194.4	17751.0	15372.5	14378.2	16823.8
52.5°	18342.2	18140.7	17106.0	16635.7	18409.4	19914.4	20183.2	19363.5	16393.8	14875.3	16944.7
55°	18920.0	18758.8	17992.8	17603.2	20116.0	21661.3	21701.6	20559.4	17468.8	15695.0	17737.5
57.5°	19618.8	19712.9	19215.7	18973.8	21419.4	22937.9	22790.0	21446.3	18382.5	16689.4	18651.3
60°	20116.0	20263.8	20142.9	20169.7	22064.4	23367.9	23031.9	21997.2	19054.4	17441.9	19766.6
62.5°	19847.2	20142.9	20640.0	20532.5	22091.3	23058.8	22588.5	21271.6	19135.0	18422.8	20613.2
65°	19108.2	19135.0	20102.5	20693.8	20881.9	21459.7	20841.6	19753.2	18301.9	19027.5	20492.2
67.5°	17213.5	17428.5	18301.9	19457.5	18664.7	18799.1	18745.4	17173.2	17038.8	18611.0	19565.0
70°	15197.8	15345.7	16299.7	17656.9	15762.2	15130.7	15251.6	14082.5	14633.5	17321.0	17697.2
72.5°	12564.1	12658.2	13746.6	14942.5	12644.7	11516.0	11798.1	10844.1	11623.5	15157.5	14929.1
75°	9486.9	9661.6	10508.1	11919.1	9312.2	8586.6	8868.8	8479.1	9204.7	12483.5	11583.1
77.5°	6745.6	6611.3	7659.4	9325.6	7001.0	6571.0	6597.8	6665.0	7444.4	10521.6	8317.8
80°	4595.6	4635.9	5576.6	6839.7	5495.9	5428.8	5361.6	5899.1	6248.5	8331.3	6046.9
82.5°	2727.8	2727.8	3762.5	4864.4	4340.3	4891.3	4582.2	5065.9	4891.3	6127.5	3964.1
85°	1276.6	1276.6	1935.0	3507.2	3359.4	4031.3	3426.6	3829.7	3614.7	4273.1	1787.2
87.5°	215.0	188.1	389.7	1720.0	1384.1	1572.2	618.1	2042.5	2270.9	2983.1	443.4
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: P598985  
 CATALOG NUMBER: IFLD-L-SA7B-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0
2.5°	9984.1	9890.0	9701.9	9460.0	9258.5	9003.1	8922.5	8747.8	8506.0	8479.1	8371.6
5°	9406.3	9083.8	8680.6	8183.5	7847.5	7498.1	7202.5	7027.8	6826.3	6799.4	6745.6
7.5°	8774.7	8371.6	7699.7	7108.5	6530.6	5979.7	5710.9	5375.0	5146.6	4971.9	4891.3
10°	8183.5	7807.2	6974.1	6167.8	5657.2	5294.4	4971.9	4622.5	4340.3	4125.3	4044.7
12.5°	7793.8	7350.3	6450.0	5684.1	5307.8	4891.3	4528.4	4152.2	3789.4	3507.2	3359.4
15°	7619.1	7202.5	6288.8	5442.2	4891.3	4313.4	3896.9	3520.6	3077.2	2875.6	2808.4
17.5°	8035.6	7417.5	6235.0	5160.0	4380.6	3722.2	3211.6	2808.4	2485.9	2284.4	2203.8
20°	8573.1	7807.2	6329.1	4824.1	3896.9	3157.8	2593.4	2163.4	1948.4	1800.6	1787.2
22.5°	9258.5	8385.0	6476.9	4582.2	3359.4	2539.7	2029.1	1773.8	1625.9	1612.5	1585.6
25°	10481.3	9433.1	6718.8	4259.7	2929.4	2096.3	1733.4	1585.6	1518.4	1478.1	1505.0
27.5°	11529.4	10118.5	6893.5	4058.1	2754.7	1975.3	1679.7	1518.4	1451.3	1437.8	1451.3
30°	12147.5	10750.0	6839.7	3681.9	2405.3	1881.3	1787.2	1733.4	1599.1	1491.6	1491.6
32.5°	12711.9	11153.1	6826.3	3345.9	2055.9	1572.2	1491.6	1451.3	1531.9	1585.6	1545.3
35°	13491.3	11784.7	6786.0	3157.8	1908.1	1451.3	1316.9	1209.4	1155.6	1128.8	1169.1
37.5°	14324.4	12214.7	6678.5	3130.9	1827.5	1384.1	1276.6	1169.1	1115.3	1088.4	1075.0
40°	15238.2	12671.6	6557.5	2996.6	1787.2	1343.8	1236.3	1142.2	1075.0	1034.7	1021.3
42.5°	15829.4	13034.4	6436.6	2929.4	1706.6	1316.9	1195.9	1115.3	1048.1	994.4	994.4
45°	16165.3	13464.4	6315.6	2862.2	1612.5	1330.3	1195.9	1088.4	1007.8	980.9	954.1
47.5°	16313.2	13786.9	6275.3	2754.7	1531.9	1276.6	1169.1	1061.6	980.9	927.2	913.8
50°	16702.8	14472.2	6423.1	2674.1	1437.8	1222.8	1236.3	1048.1	967.5	900.3	886.9
52.5°	16931.3	15023.2	6745.6	2553.1	1370.6	1155.6	1209.4	1021.3	927.2	860.0	860.0
55°	17764.4	15936.9	7095.0	2459.1	1290.0	1061.6	1115.3	967.5	860.0	819.7	819.7
57.5°	18826.0	16904.4	7390.6	2418.8	1236.3	994.4	994.4	940.6	819.7	765.9	752.5
60°	19565.0	17697.2	7565.3	2391.9	1182.5	927.2	886.9	940.6	779.4	725.6	712.2
62.5°	19645.7	17240.3	7390.6	2378.4	1169.1	860.0	806.3	900.3	739.1	685.3	658.4
65°	19135.0	16313.2	6906.9	2324.7	1155.6	792.8	752.5	779.4	685.3	645.0	618.1
67.5°	18113.8	14808.2	6208.1	2297.8	1142.2	739.1	685.3	671.9	631.6	591.3	564.4
70°	15735.3	12846.3	5388.4	2176.9	1115.3	698.8	618.1	604.7	564.4	537.5	524.1
72.5°	13209.1	10508.1	4447.8	2015.6	1061.6	631.6	564.4	537.5	524.1	483.8	470.3
75°	10118.5	8089.4	3560.9	1787.2	927.2	564.4	497.2	470.3	456.9	430.0	416.6
77.5°	7108.5	6020.0	2633.8	1451.3	779.4	510.6	443.4	416.6	403.1	362.8	362.8
80°	4824.1	4219.4	1787.2	1007.8	604.7	416.6	389.7	362.8	335.9	309.1	309.1
82.5°	2996.6	2956.3	1290.0	658.4	443.4	335.9	309.1	309.1	268.8	241.9	241.9
85°	1370.6	1814.1	900.3	456.9	335.9	255.3	255.3	241.9	215.0	174.7	174.7
87.5°	430.0	604.7	470.3	201.6	188.1	147.8	147.8	134.4	134.4	107.5	107.5
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: P598985  
 CATALOG NUMBER: IFLD-L-SA7B-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0
2.5°	8479.1	8465.6	8465.6	8411.9	8546.3	8546.3	8626.9	8559.7	8600.0	8613.5	8721.0
5°	6732.2	6839.7	6920.3	7081.6	7175.6	7216.0	7216.0	7323.5	7283.1	7363.8	7525.0
7.5°	4931.6	5065.9	5307.8	5509.4	5670.6	5724.4	5710.9	5737.8	5778.1	5684.1	5710.9
10°	3990.9	3896.9	3977.5	4165.6	4313.4	4488.1	4353.8	4340.3	4380.6	4340.3	4420.9
12.5°	3332.5	3225.0	3157.8	3157.8	3265.3	3345.9	3305.6	3372.8	3520.6	3560.9	3655.0
15°	2700.9	2606.9	2553.1	2485.9	2593.4	2620.3	2660.6	2754.7	2862.2	2915.9	3023.4
17.5°	2163.4	2163.4	2163.4	2109.7	2150.0	2190.3	2203.8	2324.7	2338.1	2391.9	2432.2
20°	1773.8	1814.1	1881.3	1908.1	1948.4	1948.4	1921.6	1988.8	1935.0	1975.3	2002.2
22.5°	1599.1	1652.8	1679.7	1693.1	1746.9	1760.3	1693.1	1706.6	1720.0	1679.7	1693.1
25°	1505.0	1531.9	1505.0	1518.4	1531.9	1505.0	1518.4	1545.3	1531.9	1558.8	1545.3
27.5°	1464.7	1437.8	1424.4	1410.9	1410.9	1384.1	1397.5	1397.5	1424.4	1437.8	1437.8
30°	1464.7	1424.4	1370.6	1330.3	1330.3	1290.0	1316.9	1343.8	1357.2	1384.1	1384.1
32.5°	1505.0	1424.4	1330.3	1290.0	1249.7	1222.8	1249.7	1290.0	1343.8	1357.2	1370.6
35°	1195.9	1236.3	1222.8	1169.1	1155.6	1155.6	1142.2	1142.2	1101.9	1101.9	1088.4
37.5°	1075.0	1061.6	1088.4	1101.9	1115.3	1075.0	1075.0	1021.3	1007.8	1021.3	1021.3
40°	1007.8	1007.8	1007.8	1048.1	1061.6	1034.7	994.4	967.5	967.5	967.5	980.9
42.5°	980.9	954.1	940.6	967.5	1007.8	980.9	940.6	927.2	927.2	940.6	940.6
45°	940.6	927.2	913.8	900.3	954.1	913.8	900.3	886.9	886.9	886.9	900.3
47.5°	900.3	886.9	860.0	860.0	873.4	860.0	846.6	846.6	846.6	873.4	873.4
50°	873.4	860.0	833.1	833.1	833.1	833.1	819.7	819.7	819.7	833.1	846.6
52.5°	833.1	819.7	806.3	792.8	792.8	792.8	792.8	792.8	792.8	806.3	819.7
55°	792.8	779.4	765.9	765.9	779.4	779.4	765.9	779.4	765.9	779.4	792.8
57.5°	752.5	739.1	725.6	739.1	752.5	739.1	739.1	739.1	739.1	739.1	752.5
60°	698.8	698.8	698.8	698.8	725.6	725.6	725.6	725.6	698.8	712.2	725.6
62.5°	671.9	658.4	658.4	671.9	685.3	685.3	698.8	685.3	671.9	685.3	685.3
65°	618.1	618.1	618.1	631.6	631.6	645.0	645.0	645.0	631.6	645.0	645.0
67.5°	577.8	577.8	577.8	577.8	604.7	604.7	604.7	604.7	591.3	591.3	604.7
70°	510.6	524.1	510.6	537.5	564.4	550.9	564.4	564.4	550.9	537.5	564.4
72.5°	470.3	470.3	470.3	470.3	510.6	510.6	510.6	524.1	510.6	497.2	510.6
75°	416.6	416.6	416.6	430.0	456.9	456.9	456.9	456.9	456.9	443.4	443.4
77.5°	362.8	376.3	362.8	376.3	403.1	389.7	403.1	416.6	403.1	389.7	389.7
80°	309.1	309.1	309.1	322.5	335.9	335.9	335.9	349.4	335.9	322.5	322.5
82.5°	241.9	241.9	255.3	255.3	268.8	268.8	268.8	282.2	268.8	255.3	255.3
85°	188.1	188.1	188.1	201.6	201.6	215.0	215.0	228.4	228.4	215.0	215.0
87.5°	120.9	107.5	120.9	120.9	134.4	134.4	120.9	107.5	120.9	107.5	94.1
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: P598985  
 CATALOG NUMBER: IFLD-L-SA7B-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0	9675.0
2.5°	8828.5	9070.3	9245.0	9366.0	9540.6	9876.6	10011.0	10252.8	10320.0	10360.3
5°	7592.2	7847.5	8223.8	8492.5	8801.6	9433.1	9916.9	10279.7	10441.0	10588.8
7.5°	5952.8	6288.8	6678.5	7027.8	7538.5	8317.8	8949.4	9701.9	9984.1	10131.9
10°	4649.4	4958.4	5388.4	5818.4	6530.6	7189.1	8089.4	8774.7	9164.4	9271.9
12.5°	3923.8	4286.6	4797.2	5321.3	5764.7	6517.2	7431.0	8425.3	8788.1	8855.3
15°	3332.5	3829.7	4353.8	4891.3	5401.9	6060.3	7041.3	8250.6	8788.1	8855.3
17.5°	2754.7	3198.1	3816.3	4394.1	4985.3	5885.6	7108.5	8398.5	8936.0	9137.5
20°	2190.3	2620.3	3104.1	3829.7	4635.9	5590.0	7256.3	8895.6	9607.8	9822.8
22.5°	1814.1	2002.2	2472.5	3171.3	4125.3	5388.4	7404.1	9675.0	10427.5	10508.1
25°	1585.6	1720.0	2015.6	2674.1	3722.2	5254.1	7753.5	10575.3	11542.8	11542.8
27.5°	1478.1	1531.9	1733.4	2324.7	3440.0	5133.1	8102.8	11569.7	12470.0	12658.2
30°	1451.3	1585.6	1693.1	2069.4	3130.9	4797.2	8425.3	12349.1	13276.3	13289.7
32.5°	1424.4	1397.5	1478.1	1800.6	2754.7	4447.8	8694.1	13141.9	13867.5	13907.8
35°	1115.3	1169.1	1303.4	1585.6	2472.5	4192.5	8828.5	13571.9	14620.0	14660.3
37.5°	1048.1	1115.3	1222.8	1464.7	2284.4	3977.5	8868.8	14405.0	15412.8	15493.5
40°	1021.3	1075.0	1155.6	1357.2	2136.6	3708.8	8949.4	15265.0	16581.9	16474.4
42.5°	967.5	1034.7	1115.3	1303.4	2015.6	3507.2	8962.8	15735.3	17200.0	17200.0
45°	954.1	994.4	1088.4	1303.4	1881.3	3332.5	8747.8	16205.7	17912.2	17697.2
47.5°	900.3	980.9	1061.6	1263.1	1720.0	3157.8	8492.5	16447.5	18006.3	17939.1
50°	886.9	967.5	1101.9	1195.9	1625.9	3077.2	8438.8	17052.2	18194.4	18181.0
52.5°	860.0	940.6	1142.2	1142.2	1505.0	2969.7	8694.1	17321.0	18234.7	18342.2
55°	819.7	940.6	1061.6	1048.1	1397.5	2835.3	8976.3	18019.7	18946.9	18920.0
57.5°	792.8	913.8	1007.8	954.1	1276.6	2741.3	9392.8	18691.6	19806.9	19618.8
60°	752.5	913.8	900.3	886.9	1182.5	2660.6	9742.2	18826.0	19995.0	20116.0
62.5°	725.6	954.1	792.8	819.7	1101.9	2620.3	9594.4	17818.2	19739.7	19847.2
65°	698.8	819.7	725.6	752.5	1075.0	2539.7	9016.6	16608.8	18637.9	19108.2
67.5°	645.0	671.9	671.9	698.8	1048.1	2351.6	7834.1	14431.9	16958.2	17213.5
70°	591.3	604.7	604.7	645.0	1021.3	2136.6	6463.5	12483.5	14714.1	15197.8
72.5°	537.5	537.5	537.5	591.3	940.6	1961.9	5321.3	9594.4	12228.1	12564.1
75°	470.3	470.3	470.3	524.1	846.6	1787.2	4192.5	7135.3	9003.1	9486.9
77.5°	416.6	416.6	403.1	470.3	739.1	1451.3	3023.4	5039.1	6342.5	6745.6
80°	349.4	335.9	335.9	376.3	577.8	1048.1	1948.4	3560.9	4420.9	4595.6
82.5°	282.2	268.8	255.3	282.2	416.6	658.4	1209.4	2485.9	2835.3	2727.8
85°	268.8	282.2	228.4	215.0	295.6	430.0	765.9	1531.9	1276.6	1276.6
87.5°	107.5	94.1	94.1	80.6	147.8	161.3	335.9	282.2	215.0	215.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)