

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: P598729

Luminaire Tested: **IFLD-L-SA8B-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598729  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-740-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (128) 4000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

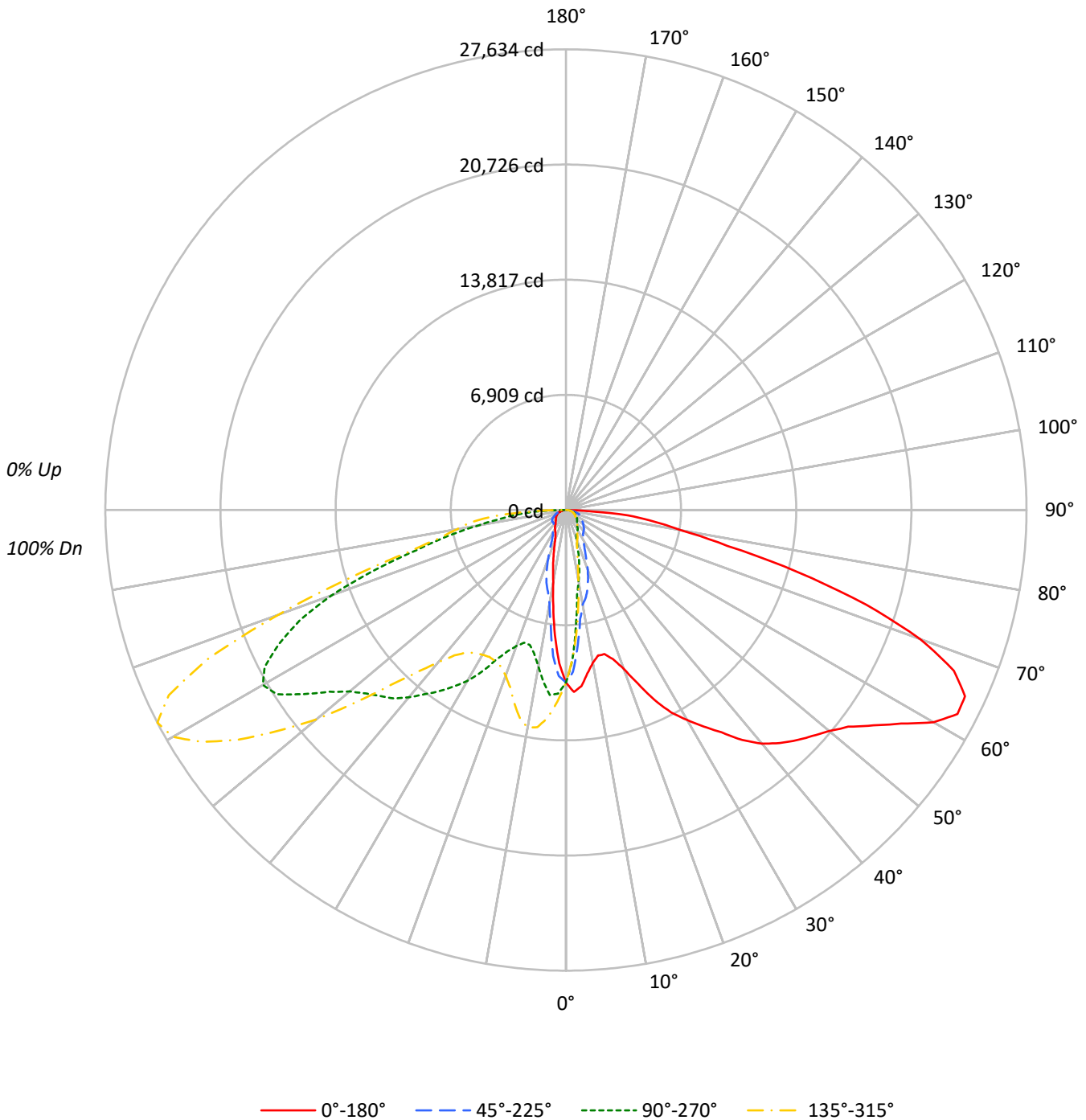
Lumens per Lamp: N/A  
 Luminaire Lumens: 34617.4 lumens  
 Efficiency: N/A  
 Efficacy: 108.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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



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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	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	102	100											
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77											
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59											
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46											
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36											
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30											
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25											
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21											
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18											
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16											
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14											

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

	0°	90°	180°	270°
0°	55654	55654	55654	55654
5°	57275	37244	40687	60170
10°	50814	23666	23903	52001
15°	49871	16785	15897	46643
20°	57981	10617	10700	49687
25°	74566	9117	8858	58741
30°	90365	8641	8101	73534
35°	106955	7612	7327	87162
40°	128513	7224	6716	102973
45°	148705	7165	6504	120044
50°	172680	7276	6548	141757
55°	211319	7475	6659	180606
60°	274061	7483	7015	225890
65°	336415	7562	7193	241798
70°	355981	7976	7520	235422
75°	299658	8432	7530	192143
80°	217707	9875	7631	166085
85°	230739	14308	6262	172606

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	800.3	2.3
10°-20°	1674.9	4.8
20°-30°	2413.7	7.0
30°-40°	3474.8	10.0
40°-50°	4935.7	14.3
50°-60°	7096.1	20.5
60°-70°	8198.3	23.7
70°-80°	4642.1	13.4
80°-90°	1381.5	4.0
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°	4888.9	14.1
0°-40°	8363.7	24.2
0°-60°	20395.5	58.9
0°-90°	34617.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34617.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	10341	10341	10341	10341	10341	
5°	10602	6894	7531	11137	10602	962
15°	8950	3012	2853	8371	8950	2632
25°	12557	1535	1492	9892	12557	5828
35°	16279	1159	1115	13266	16279	10331
45°	19538	941	854	15772	19538	15128
55°	22521	797	710	19248	22521	20396
65°	26417	594	565	18987	26417	25332
75°	14411	406	362	9240	14411	15290
85°	3737	232	101	2795	3737	3721
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°	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9
2.5°	10920.2	10905.7	10818.8	10543.6	10254.0	9978.8	9718.1	9442.9	9298.1	9124.3	9051.9
5°	10601.6	10572.6	10326.4	9718.1	9182.2	8602.9	8110.5	7719.4	7400.8	7082.2	6966.3
7.5°	9877.4	9834.0	9544.3	8704.3	7922.2	7169.1	6575.3	6068.4	5648.4	5460.1	5242.8
10°	9298.1	9225.7	8849.1	7922.2	6908.4	6155.3	5764.2	5416.6	5054.6	4750.4	4431.8
12.5°	8936.0	8849.1	8458.1	7371.8	6387.0	5822.2	5416.6	5025.6	4576.6	4200.1	3852.5
15°	8950.5	8849.1	8371.2	7227.0	6256.7	5532.5	4967.7	4431.8	3910.4	3490.4	3099.4
17.5°	9370.5	9240.2	8733.2	7429.8	6155.3	5155.9	4402.8	3707.6	3113.8	2664.9	2346.2
20°	10123.6	10036.7	9457.4	7733.9	6053.9	4750.4	3823.5	2983.5	2360.7	2013.1	1882.8
22.5°	11253.3	11151.9	10529.1	8197.4	6024.9	4388.3	3200.7	2346.2	1897.3	1752.4	1680.0
25°	12556.8	12368.5	11789.2	8979.5	6082.9	4055.2	2693.8	1940.7	1694.5	1593.1	1549.7
27.5°	13686.4	13570.6	12918.8	9718.1	6111.8	3794.5	2346.2	1766.9	1578.6	1491.7	1462.8
30°	14540.9	14497.5	13860.2	10529.1	6039.4	3475.9	2129.0	1694.5	1578.6	1491.7	1404.9
32.5°	15395.4	15409.9	14729.2	11151.9	5938.0	3200.7	1926.2	1506.2	1390.4	1332.4	1346.9
35°	16278.9	16351.3	15772.0	11760.2	5720.8	3099.4	1781.4	1404.9	1303.5	1216.6	1173.1
37.5°	17394.1	17582.4	17017.5	12440.9	5503.5	3012.5	1709.0	1332.4	1231.1	1158.6	1100.7
40°	18292.0	18639.6	18306.5	13078.1	5358.7	2911.1	1651.1	1260.0	1187.6	1100.7	1057.3
42.5°	18958.2	19363.8	19247.9	13570.6	5358.7	2809.7	1593.1	1216.6	1158.6	1057.3	999.3
45°	19537.6	19957.6	19943.1	14077.5	5474.6	2751.8	1520.7	1216.6	1129.7	1028.3	970.4
47.5°	20058.9	20479.0	20623.8	14714.7	5662.9	2722.8	1433.8	1187.6	1129.7	1013.8	926.9
50°	20623.8	21087.2	21521.7	15728.5	5894.6	2650.4	1375.9	1144.2	1144.2	999.3	897.9
52.5°	21347.9	21869.3	22665.9	16988.6	6126.3	2520.0	1289.0	1115.2	1144.2	984.8	869.0
55°	22521.1	22955.5	23998.3	18494.8	6416.0	2360.7	1216.6	1042.8	1086.2	941.4	825.5
57.5°	23839.0	24215.6	25084.5	19653.4	6502.9	2158.0	1115.2	970.4	1042.8	897.9	767.6
60°	25461.1	25649.4	25649.4	19986.5	6213.2	1969.7	1042.8	912.4	941.4	854.5	724.1
62.5°	26489.4	26489.4	25649.4	19378.2	5662.9	1810.4	984.8	854.5	825.5	796.6	680.7
65°	26417.0	26301.1	25055.6	17611.3	5025.6	1709.0	926.9	782.1	738.6	724.1	637.3
67.5°	25200.4	24997.6	23303.1	15120.2	4359.4	1665.5	869.0	709.7	680.7	651.7	579.3
70°	22622.4	22101.1	20015.5	12165.7	3707.6	1636.6	854.5	651.7	622.8	593.8	535.9
72.5°	18885.8	18219.6	15627.2	9356.0	3113.8	1535.2	811.0	579.3	564.8	535.9	477.9
75°	14410.6	13179.5	10905.7	7154.6	2418.7	1332.4	695.2	506.9	506.9	492.4	434.5
77.5°	9935.3	9298.1	7603.6	5286.3	1766.9	1028.3	564.8	449.0	449.0	463.5	405.5
80°	7024.3	6430.4	5416.6	3794.5	1115.2	695.2	434.5	376.6	420.0	449.0	376.6
82.5°	5373.2	4938.7	4026.3	2766.3	651.7	477.9	333.1	304.1	362.1	391.0	318.6
85°	3736.6	3215.2	2042.1	1853.8	376.6	289.7	246.2	246.2	318.6	391.0	289.7
87.5°	1057.3	449.0	130.3	550.4	159.3	115.9	86.9	57.9	86.9	86.9	57.9
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°	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9
2.5°	8979.5	8892.6	8892.6	8863.6	8878.1	8892.6	8878.1	8979.5	9022.9	9080.8	9196.7
5°	6893.9	7009.8	6922.9	7009.8	7125.6	7299.4	7342.9	7473.2	7487.7	7589.1	7531.2
7.5°	5112.5	5098.0	5025.6	5127.0	5445.6	5691.8	5807.7	5880.1	5894.6	5894.6	5822.2
10°	4330.4	4200.1	4069.7	3997.3	4026.3	4287.0	4373.9	4417.3	4388.3	4431.8	4373.9
12.5°	3707.6	3591.8	3403.5	3273.2	3186.3	3258.7	3345.6	3389.0	3418.0	3490.4	3548.3
15°	3012.5	2896.6	2780.7	2708.3	2635.9	2578.0	2650.4	2693.8	2766.3	2824.2	2853.2
17.5°	2288.3	2230.4	2172.4	2215.9	2215.9	2186.9	2215.9	2230.4	2259.3	2302.8	2288.3
20°	1853.8	1839.3	1824.9	1897.3	1955.2	1955.2	1984.2	1940.7	1926.2	1882.8	1868.3
22.5°	1651.1	1651.1	1665.5	1723.5	1781.4	1810.4	1810.4	1738.0	1665.5	1636.6	1651.1
25°	1535.2	1535.2	1578.6	1593.1	1622.1	1622.1	1636.6	1564.2	1520.7	1477.3	1491.7
27.5°	1448.3	1448.3	1462.8	1462.8	1477.3	1477.3	1491.7	1462.8	1404.9	1390.4	1390.4
30°	1390.4	1390.4	1375.9	1375.9	1375.9	1375.9	1390.4	1346.9	1318.0	1303.5	1303.5
32.5°	1332.4	1318.0	1303.5	1303.5	1289.0	1289.0	1303.5	1260.0	1245.5	1245.5	1245.5
35°	1158.6	1144.2	1158.6	1187.6	1187.6	1202.1	1202.1	1187.6	1158.6	1129.7	1115.2
37.5°	1086.2	1071.7	1071.7	1071.7	1100.7	1115.2	1129.7	1100.7	1057.3	1013.8	1013.8
40°	1028.3	1028.3	1013.8	1013.8	1013.8	1042.8	1071.7	1028.3	970.4	955.9	955.9
42.5°	984.8	970.4	955.9	941.4	926.9	970.4	999.3	941.4	912.4	912.4	912.4
45°	941.4	926.9	912.4	897.9	883.5	897.9	926.9	869.0	854.5	854.5	854.5
47.5°	897.9	883.5	854.5	840.0	825.5	825.5	854.5	811.0	796.6	811.0	811.0
50°	869.0	840.0	811.0	796.6	782.1	782.1	782.1	767.6	767.6	767.6	782.1
52.5°	840.0	811.0	767.6	753.1	738.6	738.6	738.6	738.6	724.1	738.6	753.1
55°	796.6	767.6	738.6	724.1	709.7	695.2	709.7	695.2	695.2	709.7	709.7
57.5°	738.6	709.7	680.7	680.7	666.2	666.2	680.7	666.2	666.2	680.7	680.7
60°	695.2	666.2	637.3	637.3	622.8	637.3	651.7	637.3	637.3	637.3	651.7
62.5°	637.3	622.8	593.8	593.8	593.8	593.8	608.3	593.8	608.3	608.3	608.3
65°	593.8	564.8	550.4	550.4	550.4	550.4	579.3	550.4	564.8	564.8	564.8
67.5°	550.4	521.4	506.9	506.9	506.9	506.9	535.9	506.9	521.4	535.9	521.4
70°	506.9	477.9	463.5	463.5	463.5	463.5	477.9	463.5	463.5	477.9	477.9
72.5°	449.0	434.5	420.0	420.0	405.5	420.0	434.5	420.0	420.0	420.0	420.0
75°	405.5	391.0	391.0	376.6	376.6	376.6	391.0	362.1	362.1	362.1	362.1
77.5°	376.6	347.6	347.6	347.6	333.1	347.6	333.1	304.1	304.1	304.1	304.1
80°	318.6	289.7	304.1	304.1	289.7	289.7	275.2	246.2	246.2	246.2	246.2
82.5°	260.7	231.7	246.2	246.2	246.2	246.2	217.2	202.8	188.3	173.8	173.8
85°	231.7	188.3	217.2	217.2	202.8	202.8	144.8	144.8	115.9	115.9	101.4
87.5°	43.4	29.0	57.9	72.4	72.4	86.9	57.9	72.4	43.4	29.0	29.0
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°	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9
2.5°	9182.2	9341.5	9558.8	9718.1	9964.3	10152.6	10442.2	10688.5	10920.2	11021.6	11122.9
5°	7705.0	7806.3	8139.4	8400.1	8791.2	9211.2	9732.6	10297.4	10876.7	11137.4	11441.6
7.5°	5764.2	5952.5	6140.8	6517.3	6995.3	7676.0	8342.2	9182.2	9993.3	10384.3	10905.7
10°	4475.2	4620.1	4837.3	5228.4	5677.3	6242.2	7038.7	8038.1	9008.4	9515.3	10051.2
12.5°	3591.8	3794.5	4084.2	4489.7	5011.1	5590.4	6169.8	7096.7	8226.3	8805.7	9413.9
15°	2911.1	3070.4	3389.0	3895.9	4504.2	5098.0	5706.3	6473.9	7705.0	8371.2	9095.3
17.5°	2317.3	2433.1	2722.8	3229.7	3838.0	4504.2	5199.4	6169.8	7531.2	8342.2	9196.7
20°	1882.8	1969.7	2158.0	2534.5	3113.8	3838.0	4707.0	5880.1	7632.5	8675.3	9718.1
22.5°	1651.1	1680.0	1766.9	1969.7	2447.6	3215.2	4258.0	5633.9	7820.8	9167.7	10572.6
25°	1491.7	1520.7	1549.7	1680.0	1955.2	2679.4	3867.0	5489.1	8226.3	9891.9	11557.4
27.5°	1390.4	1419.3	1433.8	1491.7	1680.0	2288.3	3533.9	5402.2	8776.7	10949.1	12774.0
30°	1303.5	1303.5	1346.9	1433.8	1564.2	2013.1	3244.2	5199.4	9356.0	11832.6	13729.9
32.5°	1231.1	1245.5	1303.5	1346.9	1433.8	1781.4	2954.5	4938.7	9877.4	12556.8	14671.3
35°	1100.7	1100.7	1115.2	1187.6	1303.5	1593.1	2693.8	4678.0	10167.1	13266.4	15511.3
37.5°	1013.8	1028.3	1057.3	1115.2	1216.6	1462.8	2476.6	4388.3	10471.2	13932.6	16496.1
40°	955.9	970.4	999.3	1057.3	1158.6	1346.9	2288.3	4156.6	10789.8	14656.8	17553.4
42.5°	912.4	926.9	955.9	1013.8	1100.7	1318.0	2085.6	3968.3	10978.1	15323.0	18552.7
45°	869.0	883.5	926.9	984.8	1057.3	1289.0	1969.7	3838.0	11050.5	15772.0	19349.3
47.5°	825.5	840.0	883.5	970.4	1057.3	1245.5	1926.2	3765.6	11108.5	16278.9	19986.5
50°	782.1	811.0	869.0	955.9	1071.7	1187.6	1897.3	3751.1	11441.6	16930.6	20594.8
52.5°	753.1	796.6	854.5	955.9	1057.3	1100.7	1882.8	3794.5	12107.8	17901.0	21463.8
55°	724.1	767.6	825.5	955.9	1013.8	1028.3	1810.4	3867.0	13121.6	19247.9	22694.9
57.5°	695.2	724.1	796.6	926.9	955.9	970.4	1665.5	3968.3	14135.4	20565.9	23954.9
60°	651.7	680.7	753.1	926.9	869.0	912.4	1477.3	3997.3	14859.6	20985.9	24070.7
62.5°	608.3	637.3	709.7	955.9	796.6	854.5	1318.0	3895.9	15004.4	20377.6	23419.0
65°	564.8	593.8	651.7	796.6	738.6	796.6	1216.6	3620.7	14526.4	18987.2	22231.4
67.5°	521.4	550.4	593.8	651.7	666.2	724.1	1173.1	3186.3	13324.4	17263.7	20609.3
70°	463.5	492.4	535.9	579.3	593.8	680.7	1100.7	2766.3	11383.6	14960.9	18625.1
72.5°	420.0	434.5	477.9	506.9	535.9	622.8	1057.3	2418.7	8704.3	12107.8	15192.7
75°	362.1	362.1	405.5	434.5	463.5	550.4	970.4	2013.1	6140.8	9240.2	11166.4
77.5°	304.1	304.1	333.1	362.1	391.0	477.9	825.5	1636.6	4258.0	7328.4	8096.0
80°	231.7	231.7	260.7	289.7	318.6	405.5	666.2	1202.1	2635.9	5358.7	5894.6
82.5°	159.3	159.3	202.8	217.2	231.7	318.6	506.9	825.5	1549.7	3867.0	4214.6
85°	86.9	86.9	115.9	130.3	159.3	231.7	376.6	579.3	926.9	2795.2	2809.7
87.5°	14.5	14.5	43.4	43.4	72.4	115.9	217.2	318.6	521.4	1549.7	984.8
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: P598729  
 CATALOG NUMBER: IFLD-L-SA8B-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9	10340.9
2.5°	11311.2	11470.5	11485.0	11485.0	11412.6	11427.1	11224.3	11007.1	10934.7	10920.2
5°	11905.0	12325.0	12440.9	12498.8	12310.5	12020.9	11499.5	10934.7	10645.0	10601.6
7.5°	11789.2	12629.2	13078.1	13136.1	12759.5	12078.8	11166.4	10297.4	9964.3	9877.4
10°	11108.5	12238.1	13049.2	13251.9	12846.4	11977.4	10789.8	9776.0	9370.5	9298.1
12.5°	10630.5	11716.7	12513.3	12788.5	12600.2	11847.1	10601.6	9442.9	9037.4	8936.0
15°	10369.8	11369.2	11890.5	11977.4	11963.0	11644.3	10601.6	9515.3	9066.4	8950.5
17.5°	10587.1	11267.8	11340.2	11137.4	11253.3	11412.6	10833.3	9906.4	9471.9	9370.5
20°	11021.6	11224.3	10876.7	10572.6	10630.5	11137.4	11195.4	10645.0	10297.4	10123.6
22.5°	11934.0	11383.6	10587.1	10167.1	10210.5	10920.2	11673.3	11644.3	11340.2	11253.3
25°	12860.9	11832.6	10500.2	10007.7	10065.7	10876.7	12238.1	12759.5	12600.2	12556.8
27.5°	13889.2	12585.7	10558.1	9935.3	10007.7	10934.7	12629.2	13700.9	13729.9	13686.4
30°	14584.4	12947.8	10731.9	10022.2	10123.6	11079.5	12716.1	14265.8	14526.4	14540.9
32.5°	15163.7	13309.9	11094.0	10167.1	10340.9	11340.2	12947.8	14801.6	15380.9	15395.4
35°	15627.2	13715.4	11542.9	10427.8	10688.5	11774.7	13251.9	15308.5	16177.5	16278.9
37.5°	16221.0	14164.4	12064.3	10992.6	11282.3	12397.4	13787.8	15902.3	17118.9	17394.1
40°	16858.2	14613.3	12817.5	11905.0	12325.0	13324.4	14396.1	16568.5	17915.5	18292.0
42.5°	17567.9	15091.3	13671.9	13136.1	13773.3	14497.5	15091.3	17176.8	18523.8	18958.2
45°	18263.1	15670.6	14917.5	14816.1	15525.8	15887.8	15772.0	17611.3	19103.1	19537.6
47.5°	18755.5	16510.6	16423.7	17032.0	17698.2	17509.9	16568.5	17929.9	19581.0	20058.9
50°	19204.5	17553.4	18321.0	19508.6	19914.1	19276.9	17423.0	18364.4	20087.9	20623.8
52.5°	19870.7	18668.6	20276.2	21753.5	22144.5	21130.7	18350.0	19074.1	20870.0	21347.9
55°	21232.1	19928.6	22318.3	24012.8	24085.2	22825.2	19595.5	20276.2	21970.7	22521.1
57.5°	22752.8	21478.3	23940.4	25881.1	25852.1	24519.7	21000.3	21898.3	23462.5	23839.0
60°	24128.7	23042.4	25707.3	27213.5	27141.1	25750.8	22636.9	23737.6	25171.4	25461.1
62.5°	24939.7	24461.8	26489.4	27633.6	27358.4	26156.3	24027.3	25374.2	26388.0	26489.4
65°	24809.4	25272.8	25577.0	26286.6	25895.6	25026.6	24708.0	26417.0	26518.4	26417.0
67.5°	23824.5	24809.4	23071.4	23143.8	22941.1	22202.4	23650.7	26141.8	25446.6	25200.4
70°	22332.8	22405.2	19291.3	18378.9	18697.5	17683.7	20290.7	23998.3	22926.6	22622.4
72.5°	19856.2	18958.2	14584.4	13657.5	14135.4	13411.3	16278.9	20913.4	19870.7	18885.8
75°	16655.4	15018.9	11108.5	9790.5	10036.7	10007.7	12614.7	17278.2	15395.4	14410.6
77.5°	12904.3	11702.3	8197.4	7690.5	7429.8	7487.7	8805.7	12846.4	11166.4	9935.3
80°	9428.4	8182.9	6343.6	6633.2	6488.4	6140.8	6169.8	8602.9	7762.9	7024.3
82.5°	6517.3	5822.2	5141.5	5807.7	5460.1	4924.2	4808.4	6198.7	5822.2	5373.2
85°	4373.9	4793.9	4084.2	4446.3	3852.5	3548.3	4518.7	5184.9	4185.6	3736.6
87.5°	2853.2	4388.3	2940.0	2230.4	1274.5	1709.0	2766.3	3403.5	1955.2	1057.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)