

Scaled data based on original data using  
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: P232915

Luminaire Tested: **UFLD-C70-X-U-66-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-C70-X-U-66-7050  
Description: LED FLOOD LIGHT LUMINAIRE  
Light Source: (2) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24307.2 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: (L: 0 ' x W: 1 ' x H: 0.67 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

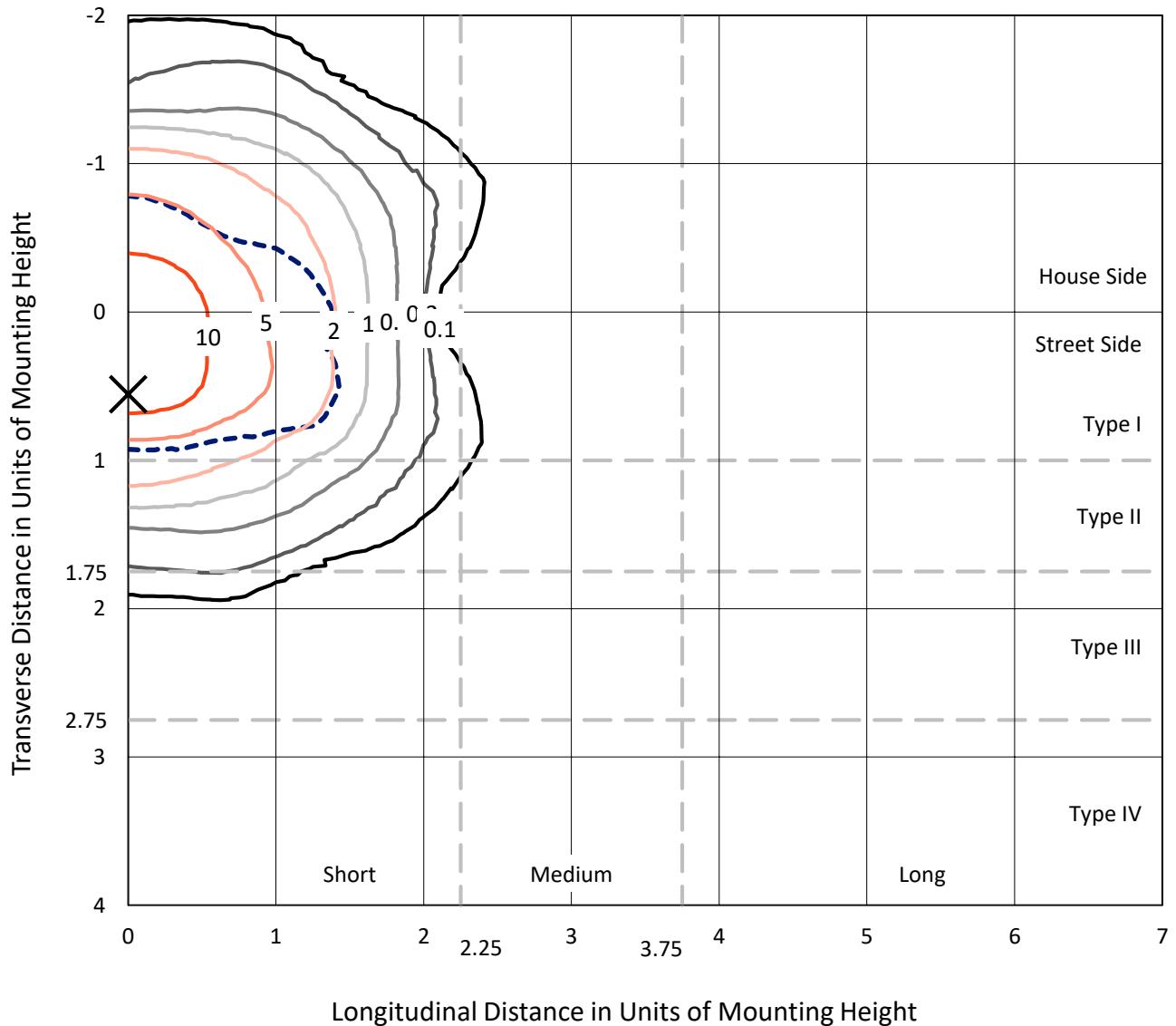
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P232915  
 CATALOG NUMBER: UFLD-C70-X-U-66-7050

### Iso-Footcandle Lines of Horizontal Illumination

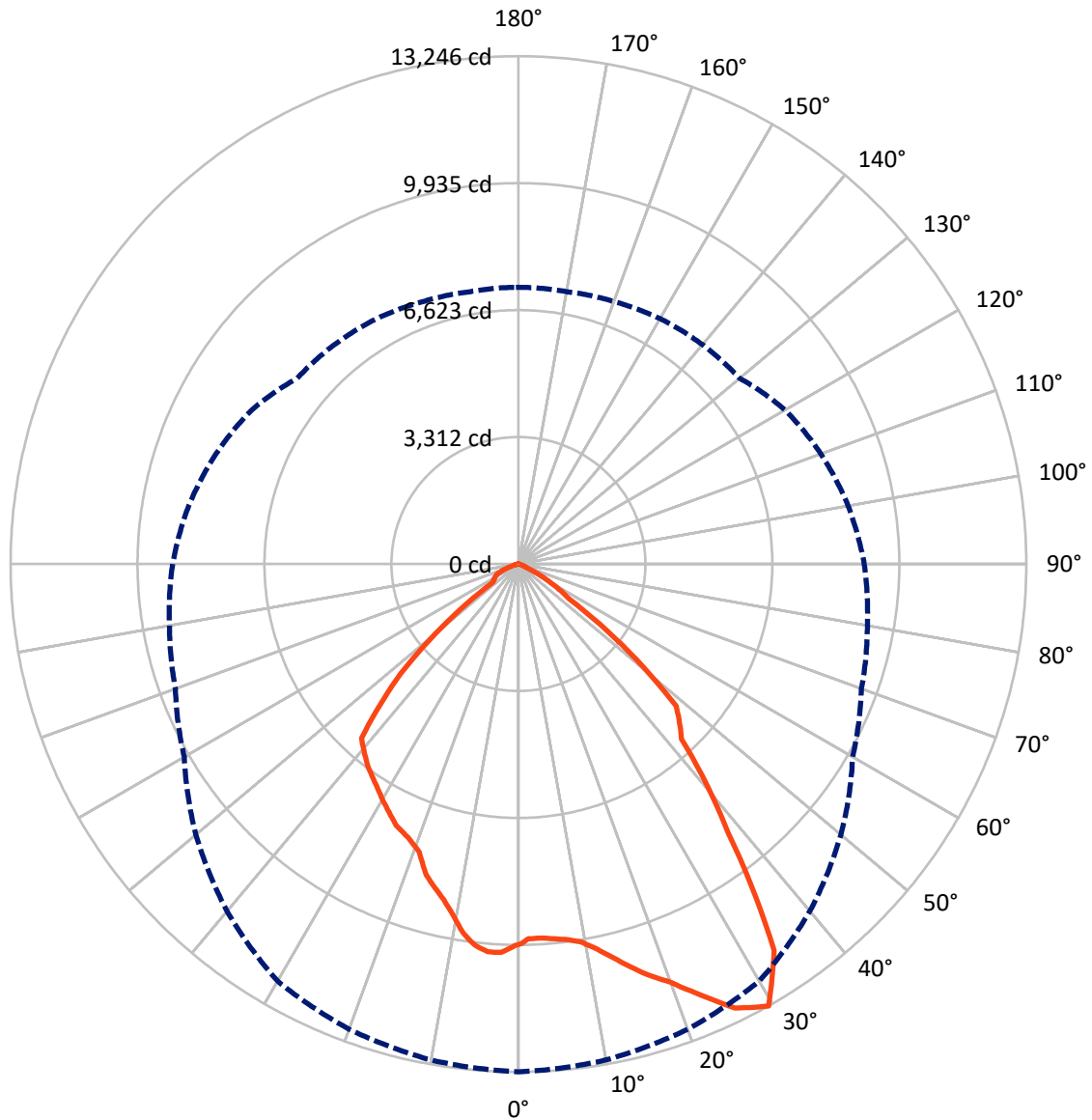
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc  
 Type I - Short - Full Cutoff

REPORT NUMBER: P232915  
CATALOG NUMBER: UFLD-C70-X-U-66-7050

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

REPORT NUMBER: P232915

CATALOG NUMBER: UFLD-C70-X-U-66-7050

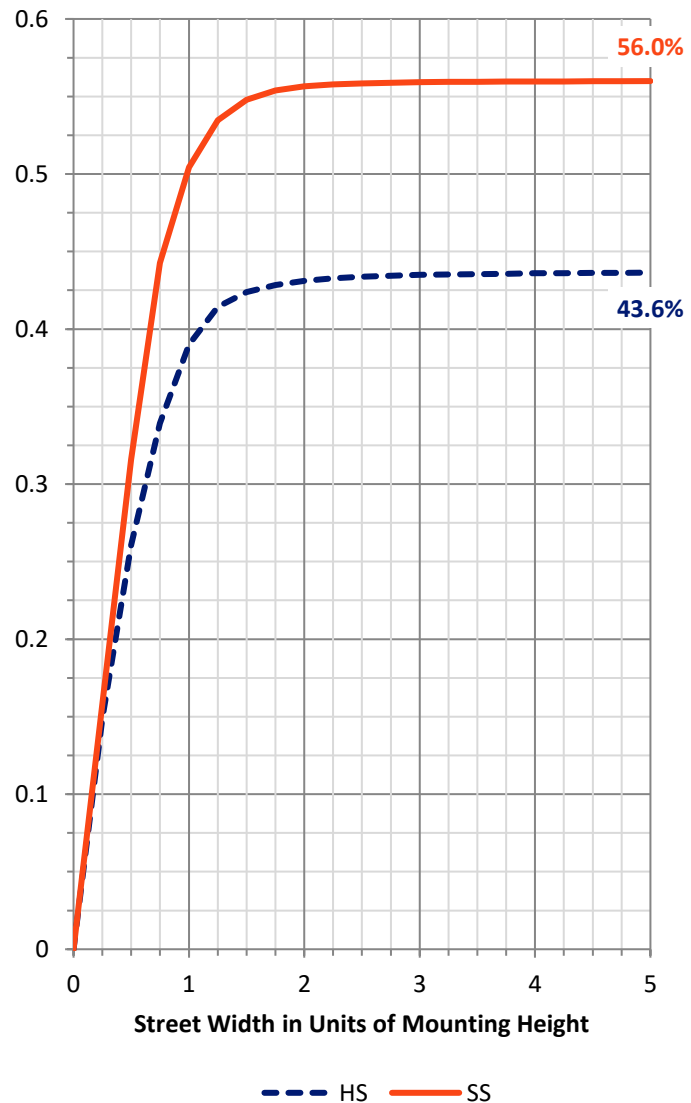
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10700.1	0.0	10700.1
	% Fixture	44.0	0.0	44.0
<b>Street Side</b>	Lumens	13607.1	0.0	13607.1
	% Fixture	56.0	0.0	56.0
<b>Total</b>	Lumens	24307.2	0.0	24307.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	946.1	3.9
10°-20°	2758.0	11.3
20°-30°	4446.1	18.3
30°-40°	5488.6	22.6
40°-50°	5361.8	22.1
50°-60°	3727.4	15.3
60°-70°	1555.5	6.4
70°-80°	332.8	1.4
80°-90°	44.4	0.2
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°-90°	24307.2	100.0
0°-180°	24307.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P232915

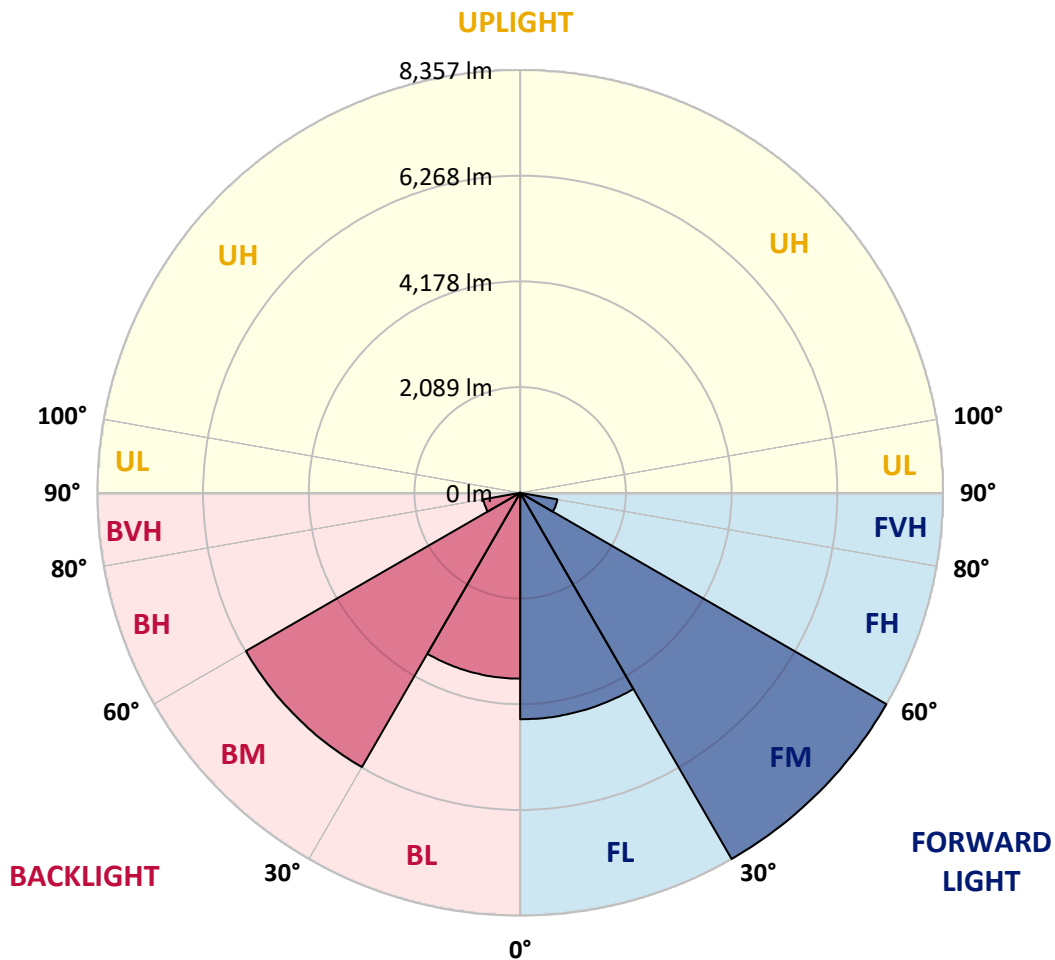
CATALOG NUMBER: UFLD-C70-X-U-66-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4476.1	18.4			
FM	(30°-60°)	8356.8	34.4			
FH	(60°-80°)	745.2	3.1			G1/1800
FVH	(80°-90°)	18.1	0.1			G1/100
BL	(0°-30°)	3672.5	15.1	B4/5000		
BM	(30°-60°)	6256.9	25.7	B4/8500		
BH	(60°-80°)	738.7	3.0	B2/1000		G2/1000
BVH	(80°-90°)	23.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





REPORT NUMBER: P232915

CATALOG NUMBER: UFLD-C70-X-U-66-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7
1°	9777.5	9783.6	9792.7	9803.9	9816.6	9830.1	9844.2	9858.5	9872.9	9887.6	9901.5
3°	9771.5	9780.1	9788.8	9787.7	9788.2	9790.4	9794.4	9799.7	9850.4	9905.8	9946.0
5°	9820.0	9811.9	9803.6	9793.7	9783.8	9778.2	9789.0	9810.7	9840.3	9896.7	9979.2
7°	9881.6	9882.3	9867.4	9841.2	9803.7	9779.8	9769.3	9783.3	9832.1	9925.0	10007.5
9°	9998.8	9993.3	9956.9	9922.1	9864.1	9808.1	9765.3	9756.6	9833.7	9919.0	9998.0
11°	10241.2	10207.6	10139.9	10035.8	9917.0	9840.6	9773.3	9752.4	9810.5	9904.8	9965.4
13°	10553.3	10501.8	10387.7	10211.3	10031.8	9868.4	9779.3	9752.1	9823.3	9929.1	9926.3
15°	10893.7	10831.8	10675.9	10456.5	10202.2	9948.4	9808.4	9763.1	9846.8	9939.2	9866.5
17°	11239.1	11153.6	10992.9	10727.3	10387.4	10063.7	9834.0	9800.9	9895.3	10063.4	9776.3
19.5°	11608.8	11546.8	11372.6	11071.4	10679.4	10262.3	9913.1	9808.7	9884.0	10150.3	9658.6
22.5°	12215.9	12092.0	11839.2	11464.9	11023.5	10501.3	10006.0	9736.9	9739.4	9765.4	9397.3
25.5°	12885.6	12715.6	12409.7	11929.0	11429.6	10782.1	10064.3	9605.9	9537.7	9423.0	9105.9
29°	13246.2	13135.7	12910.7	12562.9	11822.4	10980.4	10065.0	9520.8	9242.2	9019.0	8732.3
33°	12083.6	12167.4	12413.6	12774.4	12144.5	11028.2	10075.2	9517.1	8874.8	8424.0	8176.4
37.5°	8872.5	9117.5	9935.5	11193.6	11703.7	11171.1	10105.5	9532.9	8605.0	8132.1	7730.4
42.5°	6240.3	6462.2	7040.0	7853.9	9325.3	10557.1	10256.9	9521.3	8309.1	7926.1	7502.6
47.5°	5537.2	5496.2	5590.6	5643.0	6433.3	8429.0	10111.3	9318.5	7805.9	7465.5	7206.9
55°	1589.9	1901.7	2561.5	3234.5	4177.7	4694.3	7270.2	7370.2	6165.3	6399.8	6023.4
65°	253.5	274.3	568.7	572.7	821.9	1325.2	1674.3	1934.4	1191.2	356.6	1187.2
75°	39.4	45.7	73.1	62.5	68.0	57.7	97.5	122.0	130.0	222.2	191.3
85°	8.1	31.3	33.2	30.6	32.6	32.3	38.8	45.8	46.6	50.5	48.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P232915

CATALOG NUMBER: UFLD-C70-X-U-66-7050

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7
1°	9914.9	9926.9	9936.9	9944.3	9949.1	9951.2	9950.8	9948.3	9950.8	9951.2	9949.1
3°	9983.9	10015.4	10046.6	10077.2	10106.3	10132.5	10141.2	10141.2	10141.2	10132.5	10106.3
5°	10032.6	10079.7	10111.6	10120.7	10131.2	10134.3	10134.5	10146.2	10134.5	10134.3	10131.2
7°	10058.7	10083.9	10086.2	10073.8	10037.7	10012.0	10007.0	10009.9	10007.0	10012.0	10037.7
9°	10040.0	10015.3	9963.3	9912.5	9826.7	9759.1	9731.3	9738.2	9731.3	9759.1	9826.7
11°	9957.3	9877.3	9762.5	9625.4	9508.1	9387.6	9308.0	9319.0	9308.0	9387.6	9508.1
13°	9851.3	9669.7	9464.6	9296.5	9142.4	9055.2	8983.8	8974.5	8983.8	9055.2	9142.4
15°	9704.7	9425.7	9200.4	9032.9	8881.4	8784.6	8720.9	8713.9	8720.9	8784.6	8881.4
17°	9532.1	9205.5	8985.8	8826.2	8679.2	8541.0	8468.0	8460.4	8468.0	8541.0	8679.2
19.5°	9338.2	9032.9	8804.6	8591.8	8381.6	8125.7	7972.9	7942.2	7972.9	8125.7	8381.6
22.5°	9107.9	8854.9	8561.3	8201.6	7864.3	7771.1	7716.3	7687.7	7716.3	7771.1	7864.3
25.5°	8824.2	8536.5	8192.1	7765.6	7649.3	7583.2	7529.3	7527.1	7529.3	7583.2	7649.3
29°	8394.8	8033.8	7533.9	7466.6	7390.9	7283.7	7213.9	7218.0	7213.9	7283.7	7390.9
33°	7862.0	7409.7	7086.4	7073.1	6959.4	6879.6	6863.2	6875.6	6863.2	6879.6	6959.4
37.5°	7355.3	6894.3	6656.8	6517.4	6465.3	6505.1	6533.7	6545.3	6533.7	6505.1	6465.3
42.5°	6949.0	6521.4	6134.0	5985.6	6031.0	6046.8	6095.7	6115.0	6095.7	6046.8	6031.0
47.5°	6646.0	6201.5	5599.0	5490.4	5324.7	4722.4	4326.6	4195.9	4326.6	4722.4	5324.7
55°	5636.8	5511.3	4728.4	3615.9	2503.5	1609.8	1077.9	813.1	1077.9	1609.8	2503.5
65°	1945.2	1459.3	904.1	681.7	793.1	675.2	621.8	621.2	621.8	675.2	793.1
75°	232.8	169.9	173.5	144.6	185.3	153.3	105.6	89.9	105.6	153.3	185.3
85°	42.5	37.7	38.1	33.5	30.0	29.8	22.2	1.0	22.2	29.8	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P232915

CATALOG NUMBER: UFLD-C70-X-U-66-7050

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7	9897.7
1°	9944.3	9936.9	9926.9	9914.9	9901.5	9887.6	9872.9	9858.5	9844.2	9830.1	9816.6
3°	10077.2	10046.6	10015.4	9983.9	9946.0	9905.8	9850.4	9799.7	9794.4	9790.4	9788.2
5°	10120.7	10111.6	10079.7	10032.6	9979.2	9896.7	9840.3	9810.7	9789.0	9778.2	9783.8
7°	10073.8	10086.2	10083.9	10058.7	10007.5	9925.0	9832.1	9783.3	9769.3	9779.8	9803.7
9°	9912.5	9963.3	10015.3	10040.0	9998.0	9919.0	9833.7	9756.6	9765.3	9808.1	9864.1
11°	9625.4	9762.5	9877.3	9957.3	9965.4	9904.8	9810.5	9752.4	9773.3	9840.6	9917.0
13°	9296.5	9464.6	9669.7	9851.3	9926.3	9929.1	9823.3	9752.1	9779.3	9868.4	10031.8
15°	9032.9	9200.4	9425.7	9704.7	9866.5	9939.2	9846.8	9763.1	9808.4	9948.4	10202.2
17°	8826.2	8985.8	9205.5	9532.1	9776.3	10063.4	9895.3	9800.9	9834.0	10063.7	10387.4
19.5°	8591.8	8804.6	9032.9	9338.2	9658.6	10150.3	9884.0	9808.7	9913.1	10262.3	10679.4
22.5°	8201.6	8561.3	8854.9	9107.9	9397.3	9765.4	9739.4	9736.9	10006.0	10501.3	11023.5
25.5°	7765.6	8192.1	8536.5	8824.2	9105.9	9423.0	9537.7	9605.9	10064.3	10782.1	11429.6
29°	7466.6	7533.9	8033.8	8394.8	8732.3	9019.0	9242.2	9520.8	10065.0	10980.4	11822.4
33°	7073.1	7086.4	7409.7	7862.0	8176.4	8424.0	8874.8	9517.1	10075.2	11028.2	12144.5
37.5°	6517.4	6656.8	6894.3	7355.3	7730.4	8132.1	8605.0	9532.9	10105.5	11171.1	11703.7
42.5°	5985.6	6134.0	6521.4	6949.0	7502.6	7926.1	8309.1	9521.3	10256.9	10557.1	9325.3
47.5°	5490.4	5599.0	6201.5	6646.0	7206.9	7465.5	7805.9	9318.5	10111.3	8429.0	6433.3
55°	3615.9	4728.4	5511.3	5636.8	6023.4	6399.8	6165.3	7370.2	7270.2	4694.3	4177.7
65°	681.7	904.1	1459.3	1945.2	1187.2	356.6	1191.2	1934.4	1674.3	1325.2	821.9
75°	144.6	173.5	169.9	232.8	191.3	222.2	130.0	122.0	97.5	57.7	68.0
85°	33.5	38.1	37.7	42.5	48.6	50.5	46.6	45.8	38.8	32.3	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P232915

CATALOG NUMBER: UFLD-C70-X-U-66-7050

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	9897.7	9897.7	9897.7	9897.7
1°	9803.9	9792.7	9783.6	9777.5
3°	9787.7	9788.8	9780.1	9771.5
5°	9793.7	9803.6	9811.9	9820.0
7°	9841.2	9867.4	9882.3	9881.6
9°	9922.1	9956.9	9993.3	9998.8
11°	10035.8	10139.9	10207.6	10241.2
13°	10211.3	10387.7	10501.8	10553.3
15°	10456.5	10675.9	10831.8	10893.7
17°	10727.3	10992.9	11153.6	11239.1
19.5°	11071.4	11372.6	11546.8	11608.8
22.5°	11464.9	11839.2	12092.0	12215.9
25.5°	11929.0	12409.7	12715.6	12885.6
29°	12562.9	12910.7	13135.7	13246.2
33°	12774.4	12413.6	12167.4	12083.6
37.5°	11193.6	9935.5	9117.5	8872.5
42.5°	7853.9	7040.0	6462.2	6240.3
47.5°	5643.0	5590.6	5496.2	5537.2
55°	3234.5	2561.5	1901.7	1589.9
65°	572.7	568.7	274.3	253.5
75°	62.5	73.1	45.7	39.4
85°	30.6	33.2	31.3	8.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)