

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: P507778

Luminaire Tested: **UFLD-CA2-150-727-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-CA2-150-727-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

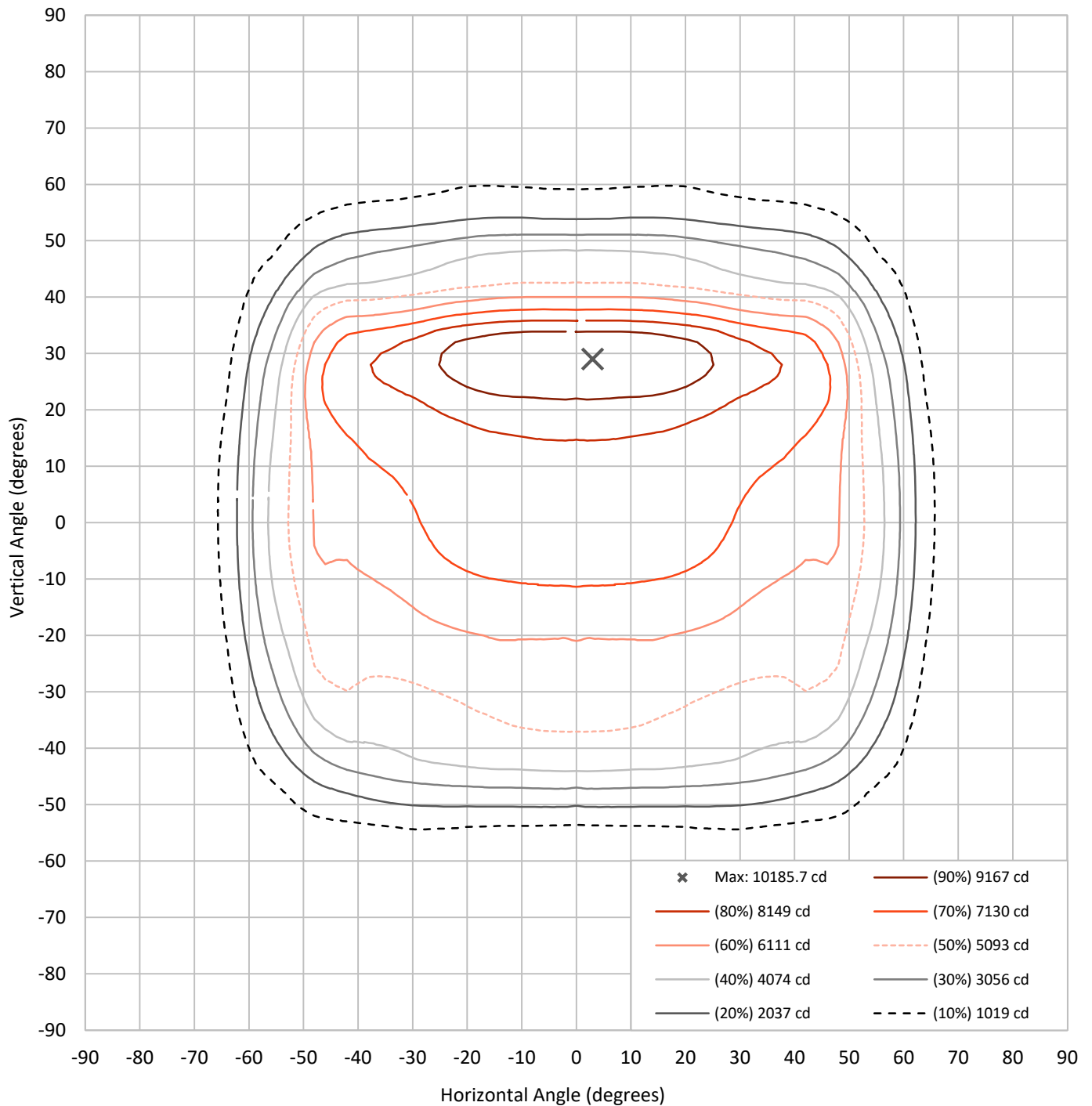
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19086 lumens	Max Intensity:	10185.7 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	126.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	14180.9 lumens	Field Lumens:	18444.4 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
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:	24 FT		



REPORT NUMBER: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

### Iso-Candela Plot

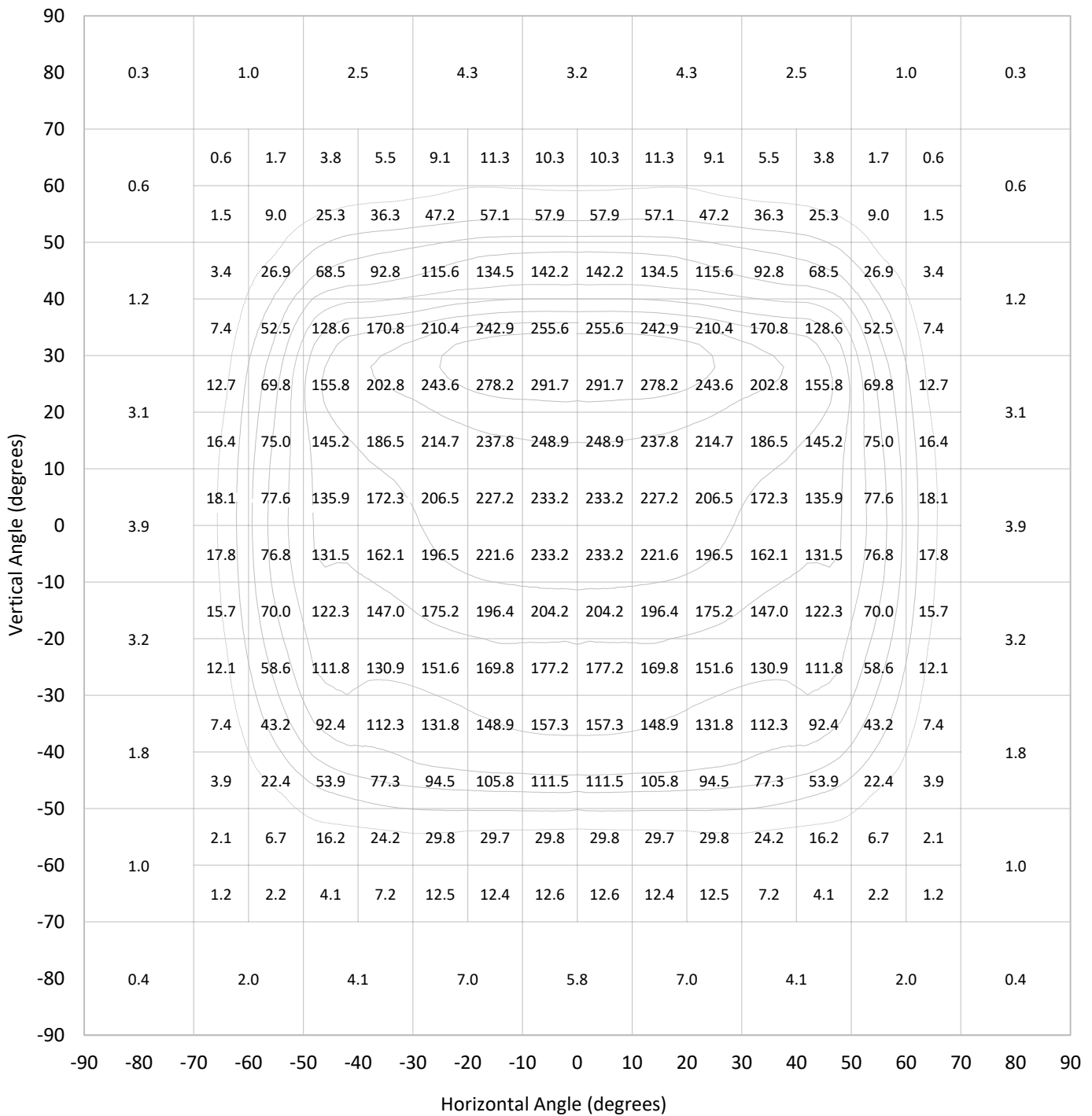




REPORT NUMBER: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

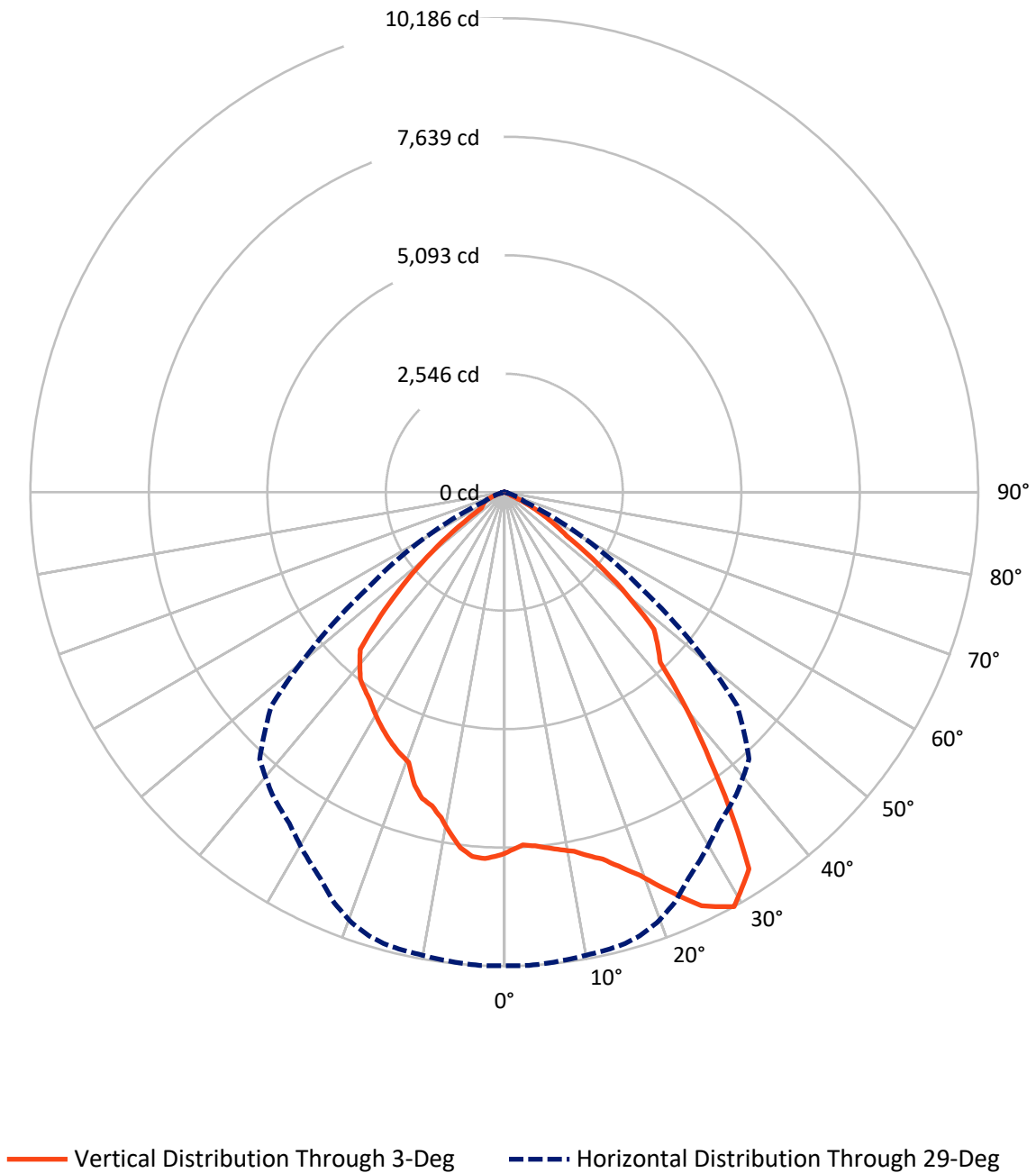
### Lumen Table



REPORT NUMBER: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

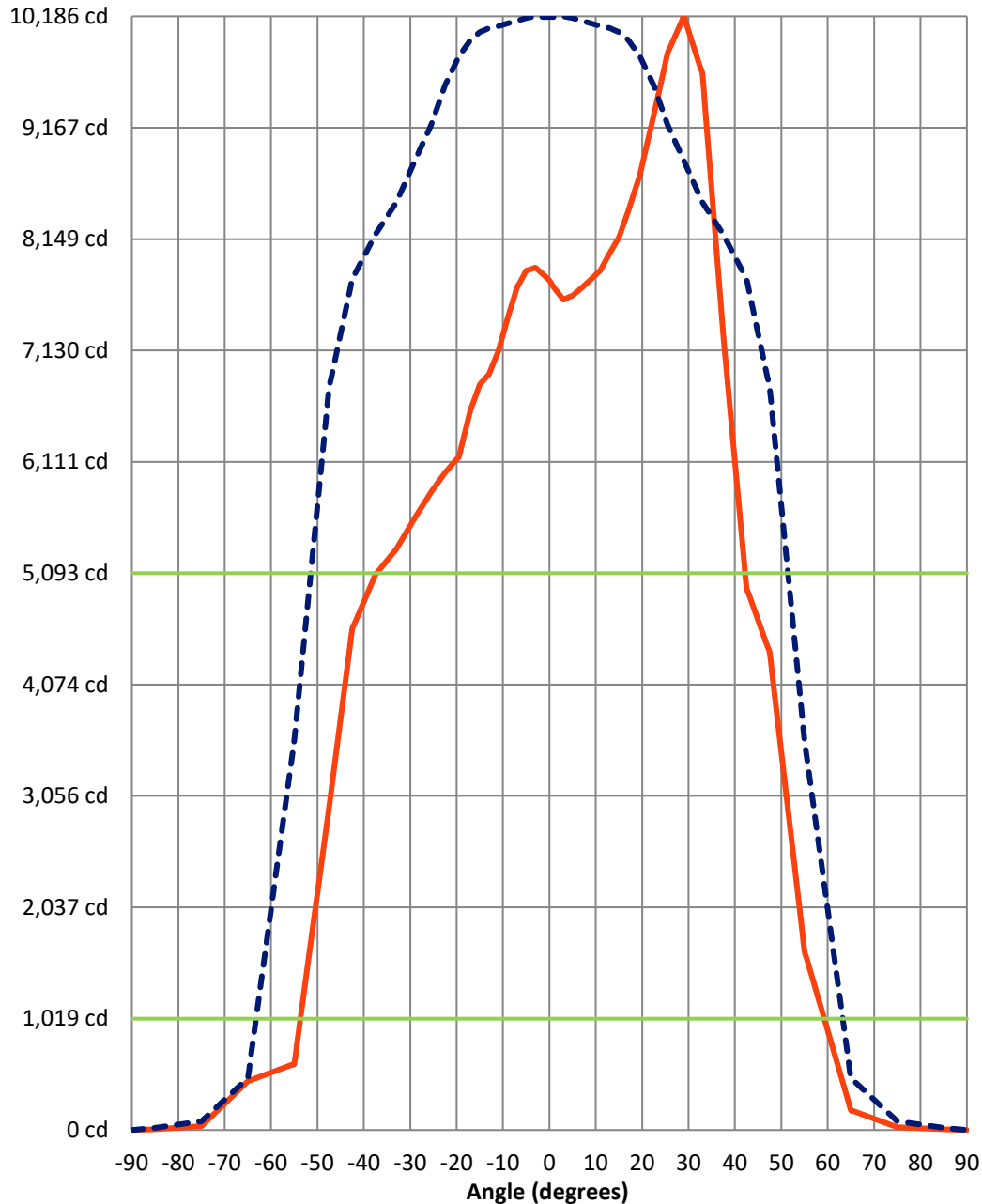
### Luminous Intensity Polar Plot



REPORT NUMBER: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 14180.9  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 18444.4  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 641.6  
 Efficiency: 3.4%

— Vertical Distribution through 3-Deg  
 - - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	3.2	6.9	16.1	21.0	24.6	27.0	28.2	28.6	28.6	27.4
75°	23.8	24.2	25.8	23.4	18.5	20.2	29.4	33.5	37.1	38.3	36.3
65°	183.9	182.7	181.4	180.2	175.0	167.3	164.5	180.6	221.8	264.5	285.5
55°	1604.8	1599.2	1637.1	1610.5	1662.9	1713.3	1731.4	1736.7	1742.7	1712.1	1670.5
47.5°	4350.7	4388.6	4364.8	4361.6	4334.2	4291.5	4265.6	4223.7	4187.0	4179.4	4054.0
42.5°	4992.2	4975.3	4959.6	4994.7	4974.5	4991.4	4989.4	4946.7	4916.8	4855.6	4794.3
37.5°	7235.4	7247.9	7263.6	7266.8	7276.5	7235.8	7207.5	7177.7	7120.4	7022.9	6882.9
33°	9660.3	9682.5	9655.9	9654.3	9675.6	9666.0	9624.4	9585.7	9500.6	9386.1	9256.3
29°	10180.1	10178.8	10185.7	10169.6	10145.0	10121.2	10095.4	10078.0	10040.9	9969.6	9820.8
25.5°	9834.1	9839.7	9851.4	9842.2	9811.1	9793.8	9771.6	9741.4	9676.8	9600.2	9473.6
22.5°	9254.7	9299.0	9281.7	9270.0	9243.4	9201.0	9209.5	9180.9	9130.9	9052.7	8919.6
19.5°	8716.8	8739.0	8734.5	8702.3	8685.7	8651.1	8634.9	8614.0	8571.6	8523.2	8432.5
17°	8372.4	8413.6	8404.7	8384.9	8359.1	8336.1	8307.1	8289.4	8254.7	8201.5	8091.4
15°	8168.0	8186.5	8164.8	8160.7	8164.4	8118.8	8100.3	8055.1	8044.2	7999.5	7902.3
13°	7995.4	8004.7	8019.2	7996.2	7992.2	7976.1	7937.4	7918.4	7880.5	7862.4	7792.2
11°	7859.9	7923.2	7863.6	7880.1	7861.5	7859.1	7837.4	7826.9	7798.6	7770.8	7727.7
9°	7789.4	7800.3	7781.3	7780.5	7772.0	7756.7	7751.5	7750.7	7745.0	7729.7	7703.1
7°	7703.1	7712.4	7703.5	7694.6	7688.2	7681.7	7699.9	7705.9	7732.1	7710.3	7684.9
5°	7644.2	7635.3	7632.1	7630.5	7646.6	7646.6	7682.1	7702.3	7726.9	7733.7	7700.7
3°	7593.8	7604.7	7595.0	7606.7	7638.6	7655.5	7703.1	7732.5	7748.6	7749.1	7735.7
1°	7672.0	7698.6	7703.9	7712.0	7723.6	7734.1	7769.6	7795.8	7778.5	7779.3	7725.3
0°	7745.4	7755.9	7769.6	7760.3	7775.7	7784.9	7810.3	7815.6	7808.7	7778.1	7705.5
-1°	7822.4	7820.0	7812.4	7810.7	7814.4	7803.5	7817.6	7800.3	7779.7	7752.3	7684.1
-3°	7877.7	7897.8	7887.0	7874.5	7834.9	7834.9	7819.2	7754.7	7726.9	7698.2	7602.3
-5°	7831.3	7857.1	7858.7	7818.8	7757.5	7741.4	7691.4	7652.7	7604.3	7557.5	7460.8
-7°	7728.1	7714.4	7702.3	7650.7	7610.3	7572.4	7505.9	7438.6	7426.1	7381.7	7296.6
-9°	7443.4	7453.1	7424.5	7410.8	7366.4	7317.2	7297.9	7249.9	7224.5	7184.9	7106.7
-11°	7160.8	7122.0	7124.9	7134.5	7103.1	7103.5	7082.5	7053.5	7049.9	7012.4	6946.2
-13°	6937.8	6935.0	6916.0	6932.1	6926.1	6926.9	6907.1	6903.5	6896.6	6870.8	6781.7
-15°	6790.6	6814.4	6816.8	6803.1	6806.3	6798.7	6791.4	6774.1	6768.8	6728.1	6635.0
-17°	6576.5	6584.6	6586.6	6585.4	6575.3	6583.3	6592.2	6585.4	6560.0	6528.9	6453.9
-19.5°	6180.5	6148.3	6159.6	6170.9	6174.1	6173.7	6186.6	6208.4	6188.2	6147.5	6085.4
-22.5°	6039.4	6032.6	6011.6	6018.4	6015.2	6005.1	6005.1	6006.7	5995.1	5952.3	5867.6
-25.5°	5827.7	5837.4	5834.2	5829.7	5828.9	5810.8	5811.6	5814.4	5791.4	5744.2	5668.0
-29°	5594.3	5600.7	5598.3	5587.4	5572.5	5539.8	5526.1	5495.5	5454.7	5428.5	5366.8
-33°	5328.5	5312.4	5313.2	5311.6	5291.8	5272.9	5249.9	5211.6	5169.7	5137.0	5071.7
-37.5°	5078.1	5087.4	5078.9	5081.8	5070.5	5051.5	5031.0	5001.9	4960.8	4913.6	4848.7
-42.5°	4599.9	4593.1	4582.6	4559.6	4550.3	4506.4	4479.4	4480.2	4470.9	4435.0	4373.3
-47.5°	2855.6	2931.4	2948.7	2933.8	2919.3	2913.3	2882.6	2880.2	2882.6	2863.3	2815.7
-55°	589.9	587.9	604.8	616.9	641.9	651.6	656.4	638.7	658.5	699.2	718.9
-65°	454.4	452.8	446.4	446.0	439.9	437.5	437.1	433.1	435.9	448.0	461.7
-75°	35.5	35.5	35.9	31.9	29.4	33.1	43.1	46.4	51.2	49.2	54.8
-85°	1.2	3.6	7.3	16.9	21.8	25.0	27.4	28.6	28.6	28.2	27.8
-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: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

**CANDELA DISTRIBUTION (continued):**

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.4	23.8	22.6	21.0	18.1	15.3	13.3	11.3	12.9	11.3	13.7
75°	32.7	33.1	41.5	52.0	46.8	31.5	21.8	18.1	23.8	13.7	14.9
65°	248.8	160.5	99.6	75.0	60.9	51.6	63.3	48.0	44.4	22.2	15.7
55°	1567.7	1463.3	1386.7	1289.1	1257.2	1167.3	944.3	384.3	70.6	35.9	16.9
47.5°	3918.1	3742.7	3544.7	3322.9	3131.8	2867.3	2349.2	1027.8	84.7	46.4	18.1
42.5°	4687.4	4487.8	4368.1	4206.4	4027.3	3968.1	3573.3	1770.1	87.1	52.8	18.5
37.5°	6763.2	6539.8	6232.1	5994.6	5806.7	5779.7	5039.8	2498.7	138.7	60.9	19.4
33°	9007.1	8679.7	8255.5	7889.0	7569.6	7282.9	6175.3	3085.4	323.0	70.2	19.8
29°	9553.9	9191.8	8864.8	8484.1	8190.6	7783.3	6784.2	3562.0	475.0	80.2	20.2
25.5°	9214.8	8943.4	8625.2	8326.1	8106.3	7822.0	7047.0	3828.6	598.0	89.5	20.6
22.5°	8714.4	8476.1	8211.5	8021.2	7901.9	7682.1	7026.9	3976.1	696.0	97.6	21.0
19.5°	8274.8	8108.7	7895.0	7777.3	7725.7	7461.6	6824.1	4124.1	784.3	106.0	21.4
17°	7970.8	7827.7	7686.6	7630.9	7579.3	7238.2	6639.4	4227.7	856.4	110.5	21.8
15°	7793.0	7689.4	7588.2	7548.2	7451.1	7041.8	6516.4	4296.7	906.8	114.1	22.2
13°	7707.9	7639.8	7549.5	7473.7	7307.9	6864.4	6425.7	4377.7	948.0	117.3	22.2
11°	7661.2	7597.8	7476.9	7364.8	7131.7	6707.5	6372.1	4447.5	981.8	118.9	22.6
9°	7634.5	7558.3	7410.8	7213.2	6987.8	6571.3	6340.2	4497.9	1010.1	119.8	23.0
7°	7643.0	7518.0	7325.7	7098.7	6856.7	6487.4	6312.4	4534.6	1029.4	119.4	23.4
5°	7640.2	7477.3	7255.9	7023.3	6755.5	6409.2	6291.0	4563.6	1038.3	118.1	23.8
3°	7625.3	7457.1	7193.4	6913.2	6665.2	6346.7	6281.3	4582.2	1046.4	116.9	23.8
1°	7601.5	7408.3	7113.2	6851.1	6601.9	6287.8	6270.9	4589.8	1044.3	115.7	23.8
0°	7577.7	7384.9	7087.0	6818.8	6572.9	6255.9	6255.5	4609.2	1040.7	114.9	23.8
-1°	7539.0	7334.5	7041.0	6770.8	6535.0	6261.6	6256.3	4591.9	1036.7	113.7	24.2
-3°	7432.9	7241.8	6965.2	6699.1	6465.6	6220.5	6242.6	4574.9	1029.4	112.5	24.6
-5°	7312.8	7127.7	6879.7	6615.6	6385.4	6158.8	6211.2	4527.3	1012.5	111.7	24.6
-7°	7159.9	7020.8	6755.9	6499.5	6281.3	6070.9	6151.9	4481.4	993.9	110.9	25.0
-9°	7003.5	6857.9	6622.1	6366.8	6166.4	5997.9	6070.9	4410.0	969.3	110.1	25.0
-11°	6843.8	6693.8	6458.3	6221.3	6030.1	5883.4	5985.4	4330.2	941.9	110.1	25.4
-13°	6652.7	6515.6	6301.9	6088.6	5905.1	5796.7	5893.4	4229.4	908.5	110.5	25.4
-15°	6505.5	6359.2	6154.3	5954.7	5788.2	5707.6	5786.2	4100.7	876.6	111.3	25.8
-17°	6330.1	6203.5	6016.4	5830.1	5679.7	5621.7	5678.9	3970.5	835.5	111.7	25.8
-19.5°	5987.8	5872.5	5753.9	5631.3	5532.6	5514.0	5541.8	3799.5	779.8	112.5	25.8
-22.5°	5757.6	5640.6	5511.6	5416.4	5348.7	5412.4	5377.3	3562.4	700.8	113.7	25.8
-25.5°	5568.8	5461.2	5332.2	5240.6	5201.9	5341.4	5226.1	3306.0	612.5	113.7	25.8
-29°	5277.7	5183.8	5068.1	4981.4	4960.4	5177.7	4933.0	3009.6	508.5	112.1	25.8
-33°	4958.8	4853.1	4736.2	4643.9	4604.8	4897.5	4449.5	2654.4	378.6	107.7	25.8
-37.5°	4755.6	4637.4	4506.8	4361.6	4273.3	4313.2	3803.2	2144.7	220.2	100.0	25.4
-42.5°	4264.0	4191.5	4030.6	3873.7	3642.3	3365.3	2835.8	1538.3	168.1	90.7	25.4
-47.5°	2819.3	2766.1	2714.5	2615.7	2395.1	2107.2	1770.9	852.0	160.1	79.4	25.0
-55°	779.0	789.9	836.7	779.4	681.4	597.2	579.4	260.1	147.2	60.9	23.8
-65°	489.1	496.0	404.4	286.3	193.5	148.0	150.0	99.6	98.0	35.5	22.2
-75°	59.7	60.1	50.4	48.0	48.4	55.2	57.7	48.0	38.7	20.2	20.6
-85°	27.0	26.6	25.8	25.0	24.6	23.4	21.8	19.8	18.1	18.5	18.5
-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: P507778

CATALOG NUMBER: UFLD-CA2-150-727-U-66

**CANDELA DISTRIBUTION (continued):**

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)