

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: P507779

Luminaire Tested: **UFLD-CA2-150-730-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507779  
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-CA2-150-730-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

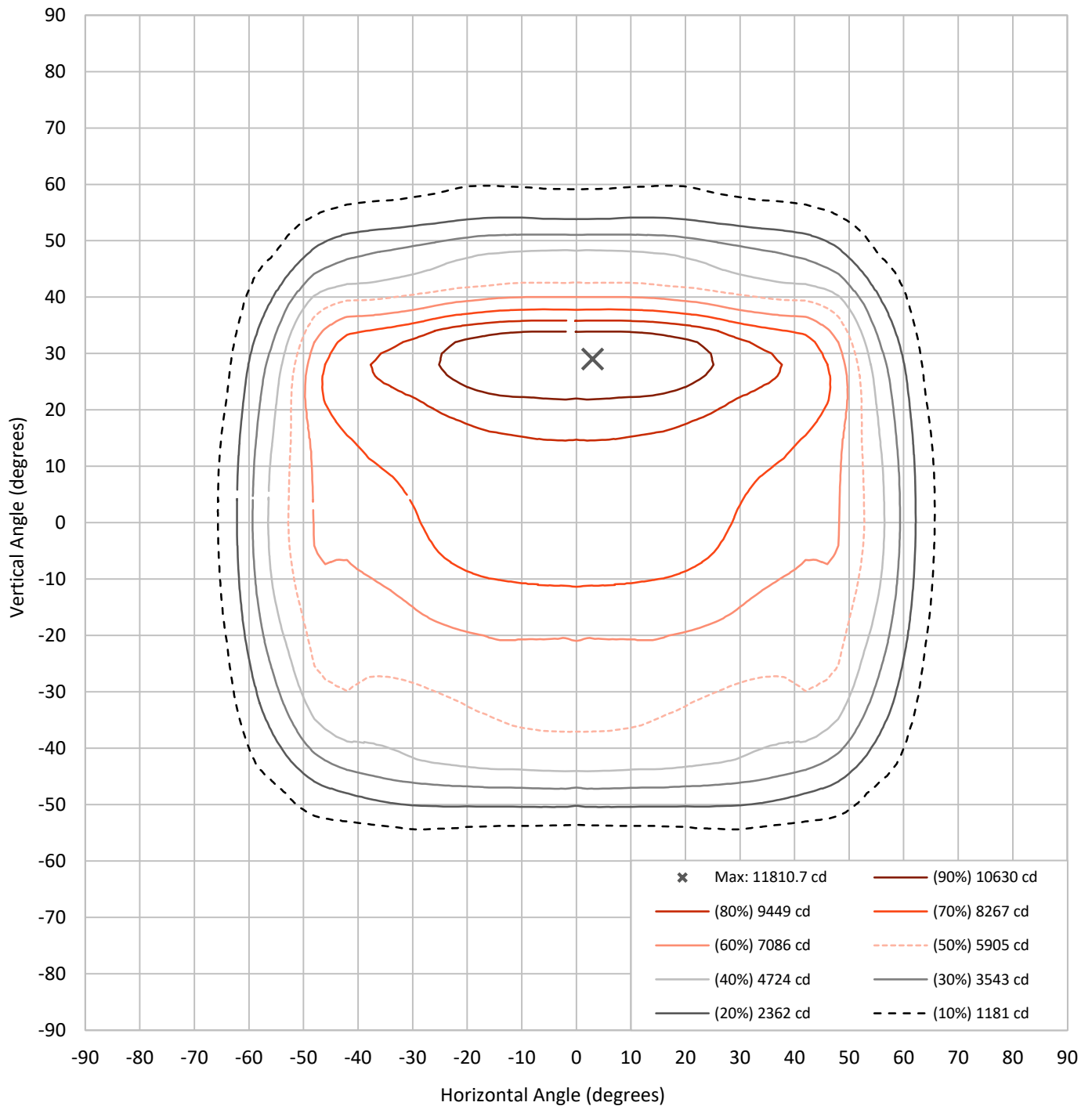
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22131 lumens	Max Intensity:	11810.7 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	146.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	16443.3 lumens	Field Lumens:	21387 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	151.3		
Input Voltage (V):	120		
Input Current (A <sub>in</sub> ):	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: P507779

CATALOG NUMBER: UFLD-CA2-150-730-U-66

### Iso-Candela Plot

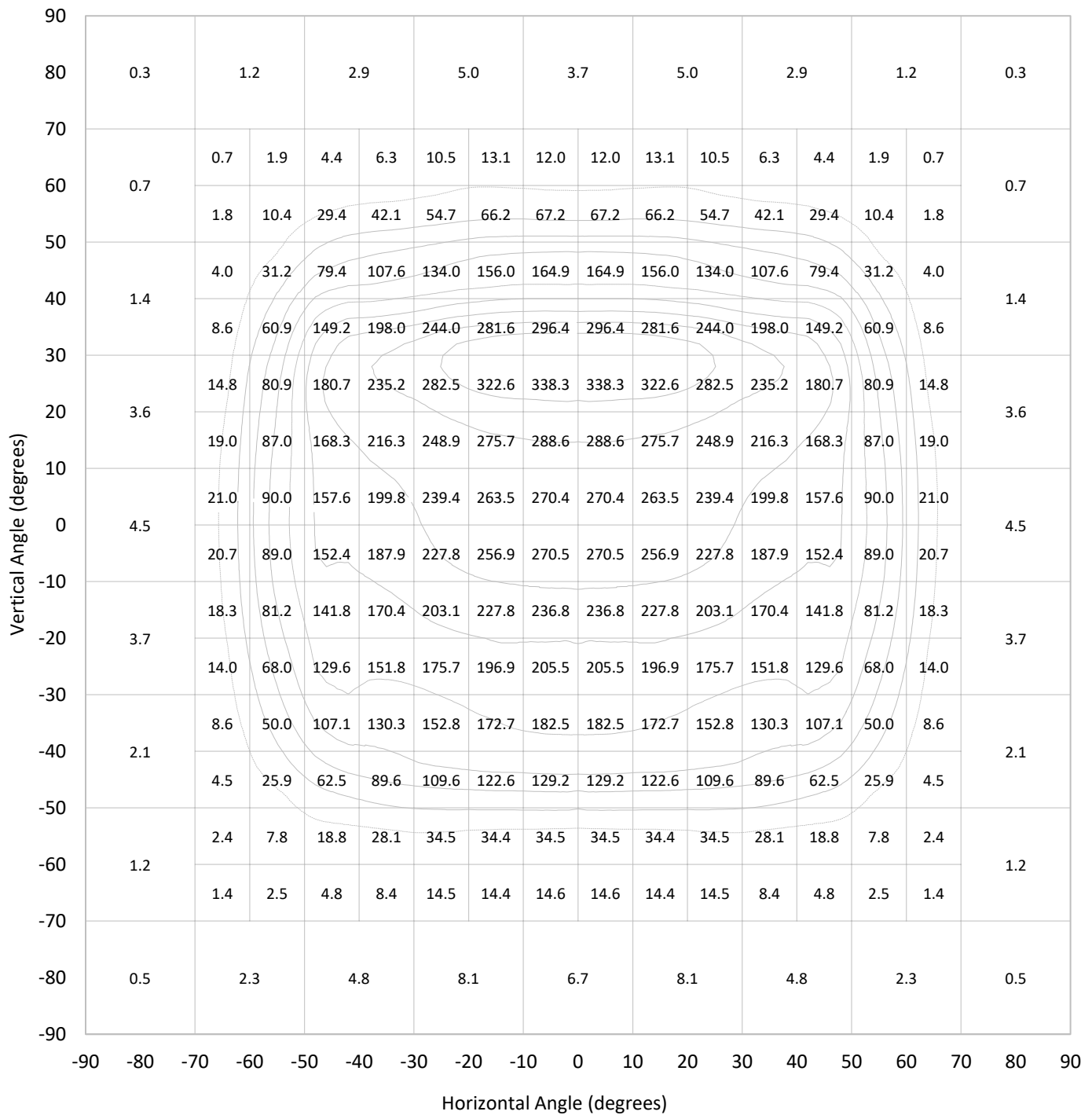




REPORT NUMBER: P507779

CATALOG NUMBER: UFLD-CA2-150-730-U-66

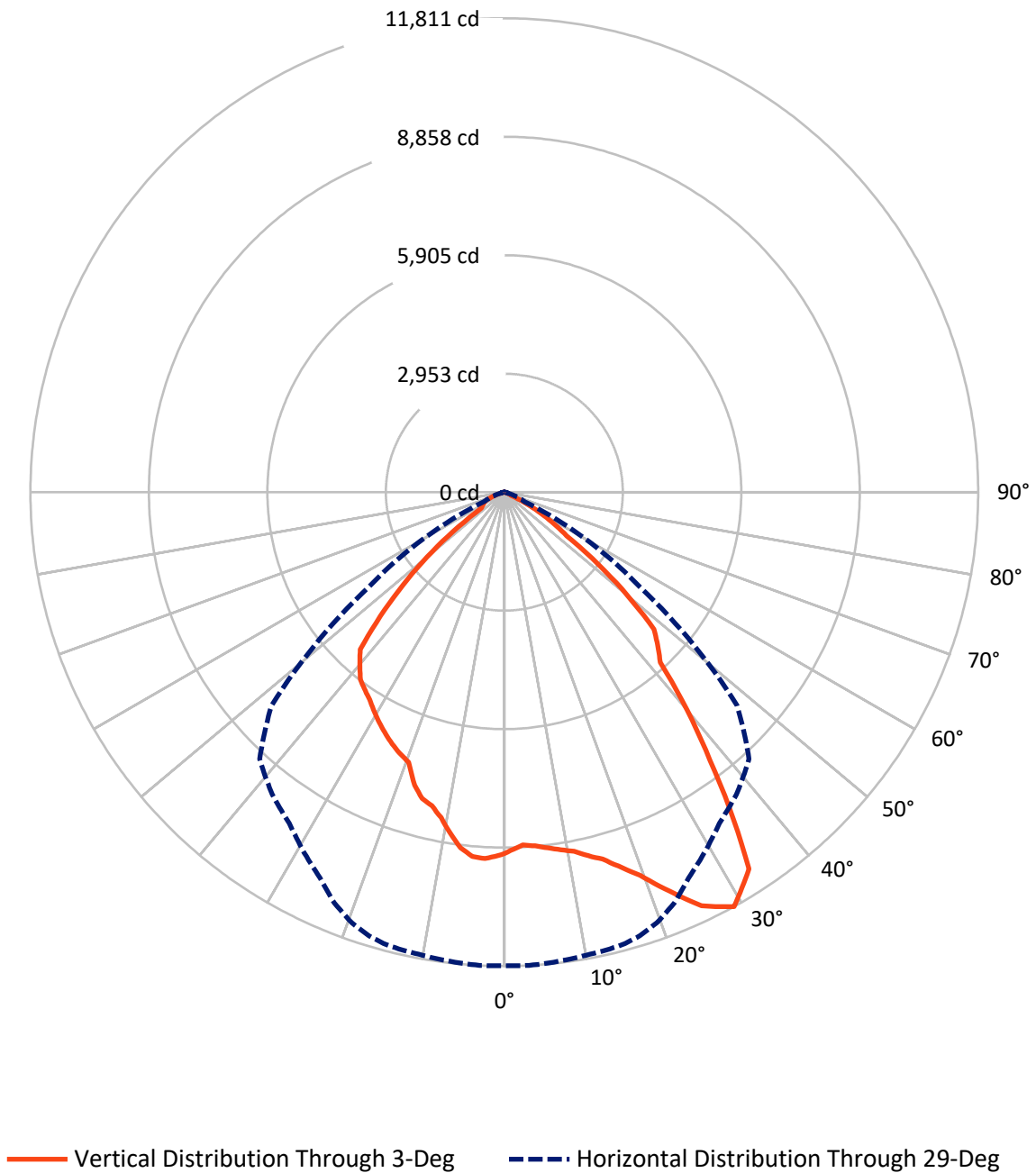
### Lumen Table



REPORT NUMBER: P507779

CATALOG NUMBER: UFLD-CA2-150-730-U-66

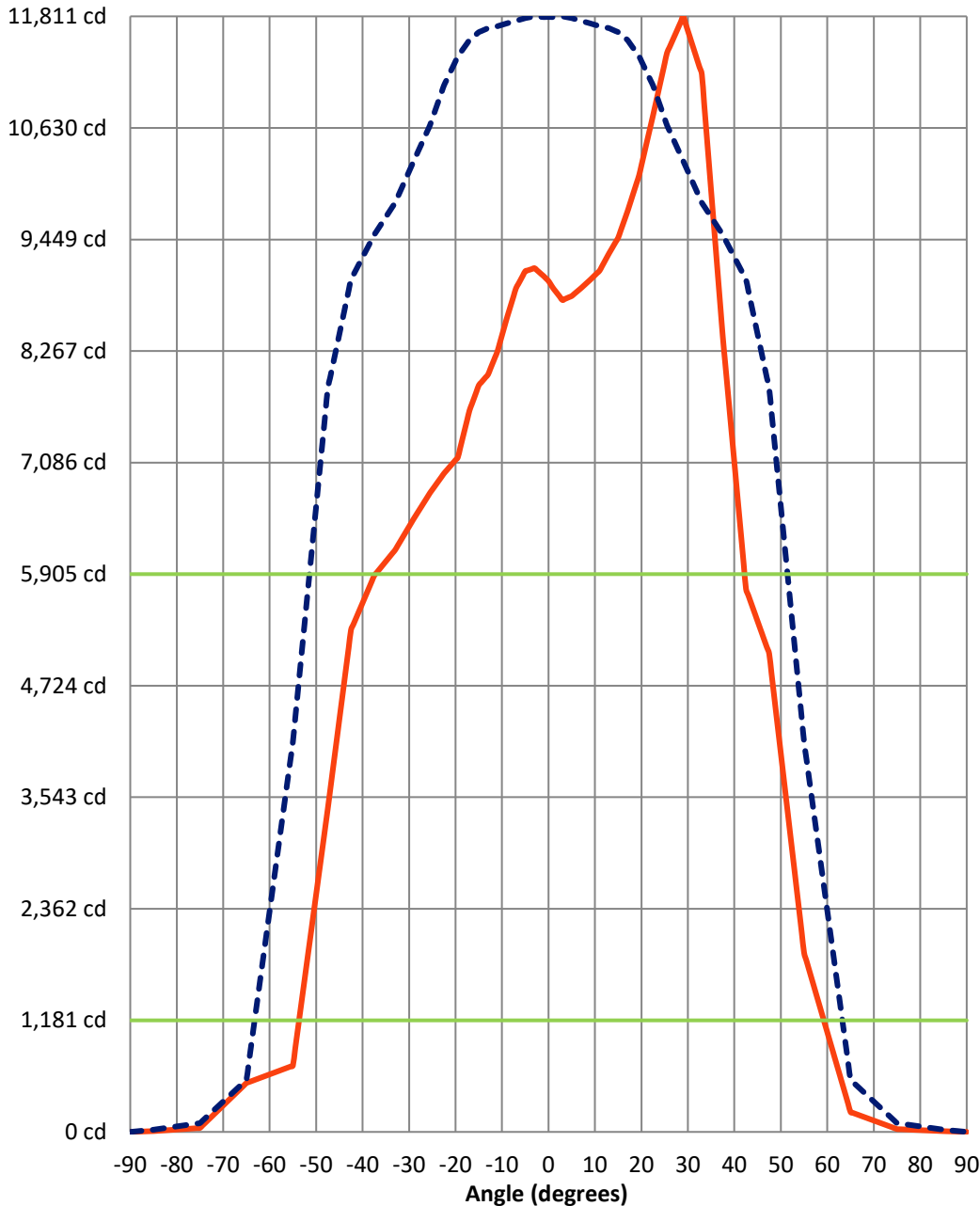
### Luminous Intensity Polar Plot



REPORT NUMBER: P507779

CATALOG NUMBER: UFLD-CA2-150-730-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 16443.3  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 21387  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 743.9  
 Efficiency: 3.4%

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



REPORT NUMBER: P507779

CATALOG NUMBER: UFLD-CA2-150-730-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°	0.5	3.7	7.9	18.7	24.3	28.5	31.3	32.7	33.2	33.2	31.8
75°	27.6	28.1	29.9	27.1	21.5	23.4	34.1	38.8	43.0	44.4	42.1
65°	213.2	211.8	210.4	209.0	202.9	194.0	190.8	209.5	257.2	306.7	331.0
55°	1860.8	1854.3	1898.2	1867.4	1928.2	1986.6	2007.7	2013.7	2020.7	1985.2	1937.1
47.5°	5044.8	5088.8	5061.2	5057.5	5025.7	4976.1	4946.2	4897.6	4855.0	4846.1	4700.7
42.5°	5788.7	5769.1	5750.8	5791.5	5768.1	5787.8	5785.4	5735.9	5701.3	5630.2	5559.1
37.5°	8389.7	8404.2	8422.4	8426.2	8437.4	8390.2	8357.4	8322.8	8256.4	8143.3	7981.0
33°	11201.5	11227.2	11196.4	11194.5	11219.3	11208.1	11159.9	11115.0	11016.4	10883.6	10733.0
29°	11804.2	11802.8	11810.7	11792.0	11763.5	11735.9	11706.0	11685.9	11642.9	11560.1	11387.6
25.5°	11403.0	11409.6	11423.1	11412.4	11376.4	11356.3	11330.6	11295.5	11220.7	11131.9	10985.0
22.5°	10731.2	10782.6	10762.5	10748.9	10718.1	10669.0	10678.8	10645.6	10587.6	10496.9	10342.6
19.5°	10107.5	10133.2	10128.0	10090.6	10071.5	10031.2	10012.5	9988.2	9939.1	9883.0	9777.8
17°	9708.2	9755.9	9745.6	9722.7	9692.7	9666.1	9632.4	9611.9	9571.6	9509.9	9382.3
15°	9471.1	9492.6	9467.4	9462.7	9466.9	9414.1	9392.6	9340.2	9327.6	9275.7	9163.0
13°	9271.0	9281.8	9298.6	9272.0	9267.3	9248.6	9203.7	9181.7	9137.8	9116.7	9035.4
11°	9113.9	9187.3	9118.1	9137.3	9115.8	9113.0	9087.7	9075.6	9042.9	9010.6	8960.6
9°	9032.1	9044.7	9022.7	9021.8	9012.0	8994.2	8988.1	8987.2	8980.7	8962.9	8932.0
7°	8932.0	8942.8	8932.5	8922.2	8914.7	8907.3	8928.3	8935.3	8965.7	8940.5	8911.0
5°	8863.8	8853.5	8849.8	8847.9	8866.6	8866.6	8907.7	8931.1	8959.6	8967.6	8929.2
3°	8805.3	8818.0	8806.7	8820.3	8857.2	8876.9	8932.0	8966.2	8984.9	8985.3	8969.9
1°	8896.0	8926.9	8933.0	8942.3	8955.9	8968.0	9009.2	9039.6	9019.5	9020.4	8957.8
0°	8981.1	8993.3	9009.2	8998.4	9016.2	9027.0	9056.4	9062.5	9054.5	9019.0	8934.8
-1°	9070.4	9067.6	9058.7	9056.9	9061.1	9048.5	9064.8	9044.7	9020.9	8989.1	8910.1
-3°	9134.5	9157.9	9145.2	9130.8	9084.9	9084.9	9066.7	8991.9	8959.6	8926.4	8815.2
-5°	9080.7	9110.6	9112.5	9066.2	8995.2	8976.5	8918.5	8873.6	8817.5	8763.3	8651.0
-7°	8961.0	8945.1	8931.1	8871.3	8824.5	8780.6	8703.4	8625.3	8610.8	8559.4	8460.8
-9°	8630.9	8642.2	8609.0	8593.1	8541.6	8484.6	8462.2	8406.5	8377.1	8331.2	8240.5
-11°	8303.2	8258.3	8261.6	8272.8	8236.3	8236.8	8212.5	8178.8	8174.6	8131.1	8054.5
-13°	8044.6	8041.4	8019.4	8038.1	8031.1	8032.0	8009.1	8004.9	7996.9	7967.0	7863.7
-15°	7874.0	7901.6	7904.4	7888.5	7892.2	7883.3	7874.9	7854.8	7848.7	7801.5	7693.5
-17°	7625.7	7635.1	7637.4	7636.0	7624.3	7633.7	7643.9	7636.0	7606.5	7570.5	7483.6
-19.5°	7166.6	7129.2	7142.3	7155.4	7159.1	7158.6	7173.6	7198.8	7175.5	7128.2	7056.2
-22.5°	7002.9	6995.0	6970.7	6978.6	6974.9	6963.2	6963.2	6965.1	6951.5	6901.9	6803.8
-25.5°	6757.5	6768.7	6765.0	6759.8	6758.9	6737.8	6738.8	6742.0	6715.4	6660.7	6572.3
-29°	6486.8	6494.2	6491.4	6478.8	6461.5	6423.6	6407.7	6372.2	6325.0	6294.6	6223.1
-33°	6178.7	6159.9	6160.9	6159.0	6136.1	6114.1	6087.5	6043.1	5994.4	5956.6	5880.8
-37.5°	5888.3	5899.1	5889.2	5892.5	5879.4	5857.4	5833.6	5799.9	5752.2	5697.5	5622.3
-42.5°	5333.8	5325.8	5313.7	5287.0	5276.3	5225.3	5194.0	5194.9	5184.2	5142.6	5071.0
-47.5°	3311.2	3399.1	3419.2	3401.9	3385.0	3378.0	3342.5	3339.7	3342.5	3320.1	3264.9
-55°	684.0	681.7	701.3	715.3	744.3	755.6	761.2	740.6	763.5	810.7	833.6
-65°	526.9	525.1	517.6	517.1	510.1	507.3	506.8	502.1	505.4	519.4	535.3
-75°	41.1	41.1	41.6	36.9	34.1	38.3	50.0	53.8	59.4	57.0	63.6
-85°	1.4	4.2	8.4	19.6	25.2	29.0	31.8	33.2	33.2	32.7	32.3
-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: P507779

CATALOG NUMBER: UFLD-CA2-150-730-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°	29.5	27.6	26.2	24.3	21.0	17.8	15.4	13.1	15.0	13.1	15.9
75°	37.9	38.3	48.2	60.3	54.2	36.5	25.2	21.0	27.6	15.9	17.3
65°	288.5	186.1	115.5	87.0	70.6	59.8	73.4	55.6	51.4	25.7	18.2
55°	1817.8	1696.7	1607.9	1494.8	1457.8	1353.6	1095.0	445.6	81.8	41.6	19.6
47.5°	4543.2	4339.8	4110.2	3853.1	3631.4	3324.7	2723.9	1191.8	98.2	53.8	21.0
42.5°	5435.2	5203.8	5065.0	4877.5	4669.9	4601.1	4143.4	2052.5	101.0	61.2	21.5
37.5°	7842.2	7583.2	7226.4	6951.0	6733.2	6701.8	5843.9	2897.4	160.8	70.6	22.4
33°	10444.1	10064.4	9572.6	9147.6	8777.3	8444.9	7160.5	3577.7	374.5	81.4	22.9
29°	11078.1	10658.2	10279.0	9837.7	9497.3	9025.1	7866.5	4130.3	550.8	93.0	23.4
25.5°	10684.9	10370.2	10001.3	9654.4	9399.6	9070.0	8171.3	4439.4	693.4	103.8	23.8
22.5°	10104.7	9828.3	9521.6	9300.9	9162.5	8907.7	8148.0	4610.5	807.0	113.1	24.3
19.5°	9595.0	9402.4	9154.6	9018.1	8958.2	8652.0	7912.8	4782.1	909.4	123.0	24.8
17°	9242.5	9076.5	8912.9	8848.4	8788.5	8393.0	7698.7	4902.2	993.1	128.1	25.2
15°	9036.3	8916.1	8798.8	8752.5	8639.8	8165.3	7556.0	4982.2	1051.5	132.3	25.7
13°	8937.7	8858.6	8753.9	8666.0	8473.8	7959.5	7450.8	5076.2	1099.2	136.1	25.7
11°	8883.4	8810.0	8669.7	8539.8	8269.5	7777.7	7388.7	5157.1	1138.5	137.9	26.2
9°	8852.6	8764.2	8593.1	8364.0	8102.6	7619.6	7351.7	5215.5	1171.2	138.9	26.7
7°	8862.4	8717.4	8494.4	8231.2	7950.7	7522.4	7319.5	5258.0	1193.7	138.4	27.1
5°	8859.1	8670.2	8413.5	8143.8	7833.3	7431.7	7294.7	5291.7	1203.9	137.0	27.6
3°	8841.8	8646.8	8341.1	8016.1	7728.6	7359.2	7283.5	5313.2	1213.3	135.6	27.6
1°	8814.2	8590.3	8248.0	7944.1	7655.2	7290.9	7271.3	5322.1	1211.0	134.2	27.6
0°	8786.6	8563.1	8217.6	7906.7	7621.5	7254.0	7253.5	5344.5	1206.7	133.3	27.6
-1°	8741.8	8504.7	8164.3	7851.1	7577.6	7260.6	7254.5	5324.4	1202.1	131.8	28.1
-3°	8618.8	8397.2	8076.4	7767.8	7497.1	7212.9	7238.6	5304.8	1193.7	130.4	28.5
-5°	8479.5	8264.9	7977.3	7671.1	7404.1	7141.3	7202.1	5249.6	1174.0	129.5	28.5
-7°	8302.3	8141.0	7833.8	7536.4	7283.5	7039.4	7133.4	5196.3	1152.5	128.6	29.0
-9°	8120.8	7952.1	7678.5	7382.6	7150.2	6954.8	7039.4	5113.6	1124.0	127.6	29.0
-11°	7935.7	7761.8	7488.7	7213.8	6992.2	6822.0	6940.3	5021.0	1092.2	127.6	29.5
-13°	7714.1	7555.1	7307.3	7060.0	6847.2	6721.5	6833.7	4904.1	1053.4	128.1	29.5
-15°	7543.4	7373.7	7136.2	6904.8	6711.7	6618.1	6709.3	4755.0	1016.5	129.0	29.9
-17°	7340.0	7193.2	6976.3	6760.3	6585.9	6518.6	6585.0	4603.9	968.8	129.5	29.9
-19.5°	6943.1	6809.4	6671.9	6529.8	6415.2	6393.7	6426.0	4405.7	904.2	130.4	29.9
-22.5°	6676.1	6540.5	6390.9	6280.6	6202.0	6275.9	6235.2	4130.8	812.6	131.8	29.9
-25.5°	6457.3	6332.5	6182.9	6076.7	6031.8	6193.6	6059.9	3833.4	710.2	131.8	29.9
-29°	6119.7	6010.8	5876.6	5776.1	5751.8	6003.8	5720.0	3489.8	589.6	130.0	29.9
-33°	5749.9	5627.4	5491.8	5384.8	5339.4	5678.8	5159.4	3077.9	439.0	124.8	29.9
-37.5°	5514.3	5377.3	5225.8	5057.5	4955.1	5001.4	4409.9	2486.9	255.3	116.0	29.5
-42.5°	4944.3	4860.2	4673.6	4491.7	4223.4	3902.2	3288.3	1783.7	195.0	105.2	29.5
-47.5°	3269.1	3207.4	3147.5	3033.0	2777.2	2443.4	2053.5	987.9	185.6	92.1	29.0
-55°	903.3	915.9	970.2	903.8	790.2	692.4	671.9	301.6	170.7	70.6	27.6
-65°	567.1	575.1	469.0	332.0	224.4	171.6	173.9	115.5	113.6	41.1	25.7
-75°	69.2	69.7	58.4	55.6	56.1	64.1	66.9	55.6	44.9	23.4	23.8
-85°	31.3	30.9	29.9	29.0	28.5	27.1	25.2	22.9	21.0	21.5	21.5
-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: P507779

CATALOG NUMBER: UFLD-CA2-150-730-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)