

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: P507776

Luminaire Tested: **UFLD-CA2-130-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507776
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-CA2-130-760-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

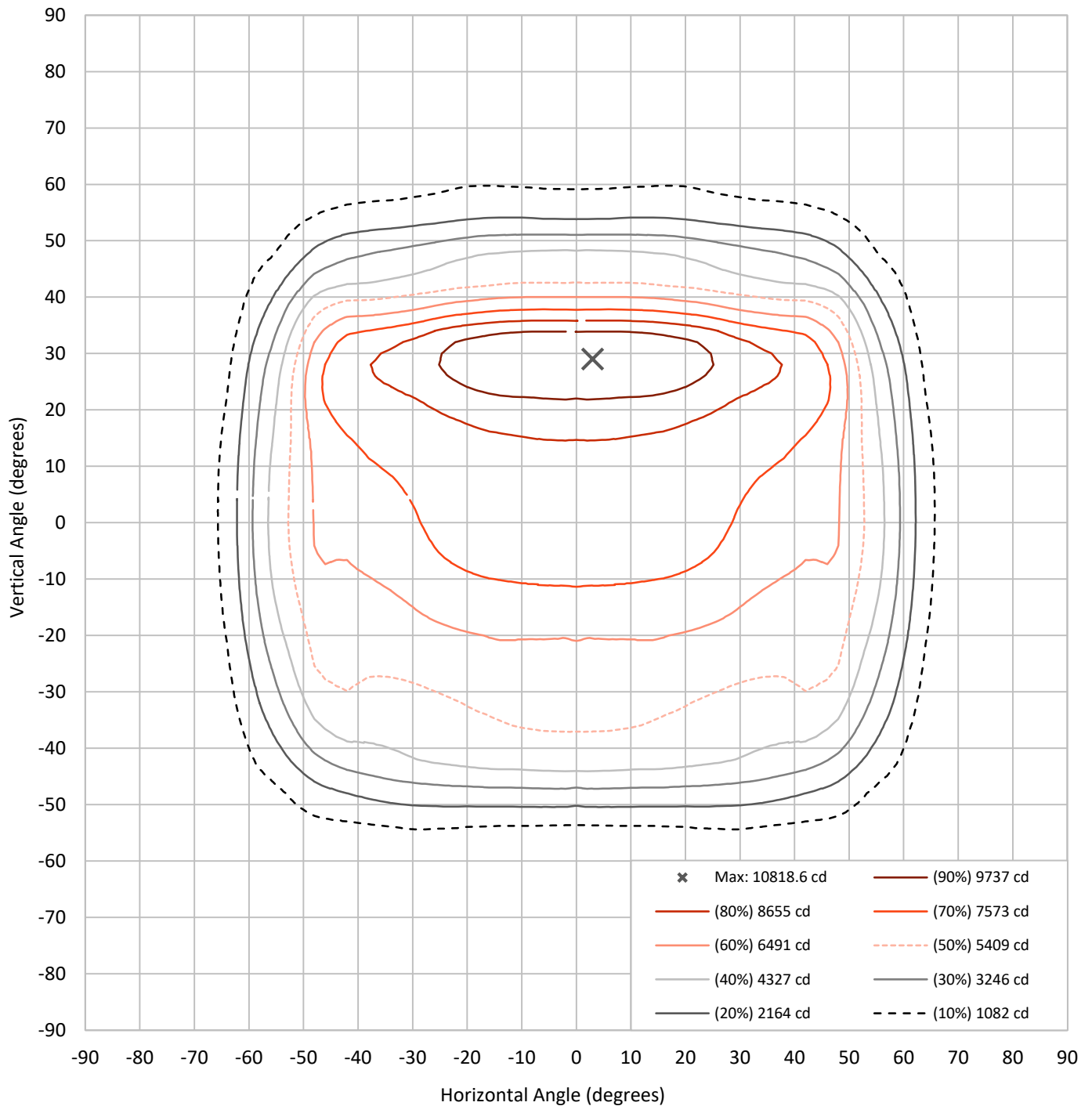
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20272 lumens	Max Intensity:	10818.6 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	152.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	15062.1 lumens	Field Lumens:	19590.5 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	132.7		
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: P507776

CATALOG NUMBER: UFLD-CA2-130-760-U-66

Iso-Candela Plot

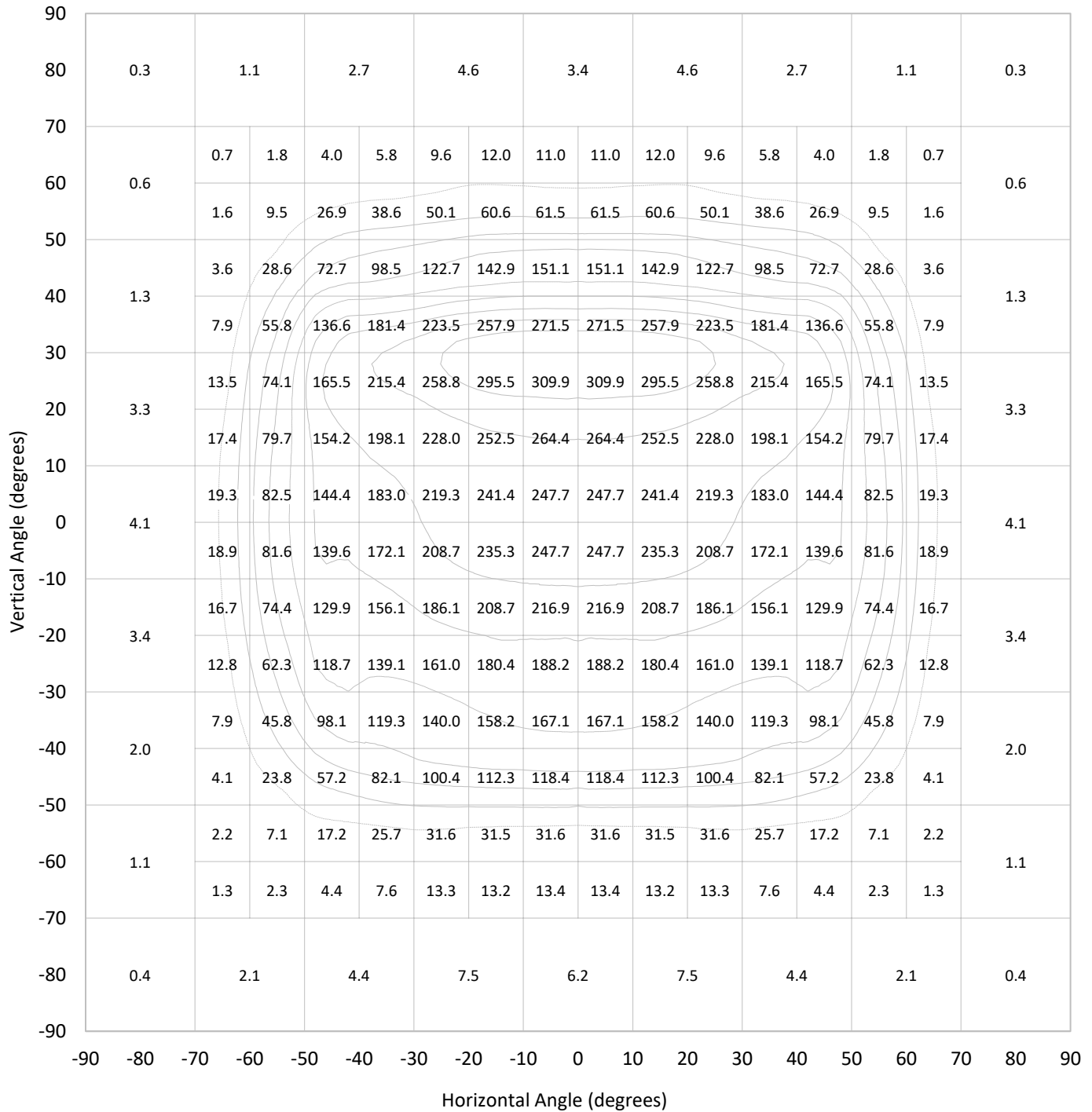




REPORT NUMBER: P507776

CATALOG NUMBER: UFLD-CA2-130-760-U-66

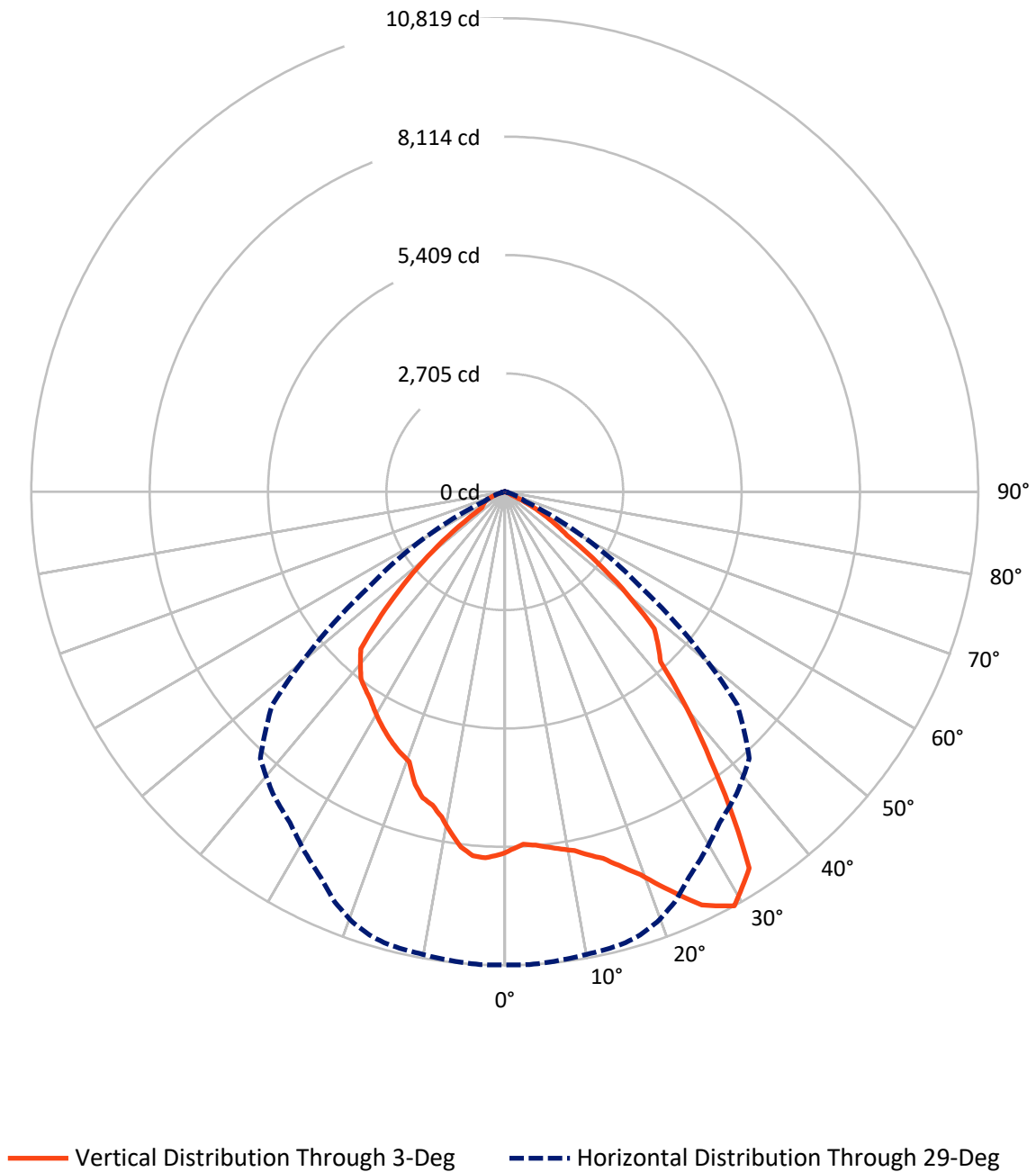
Lumen Table



REPORT NUMBER: P507776

CATALOG NUMBER: UFLD-CA2-130-760-U-66

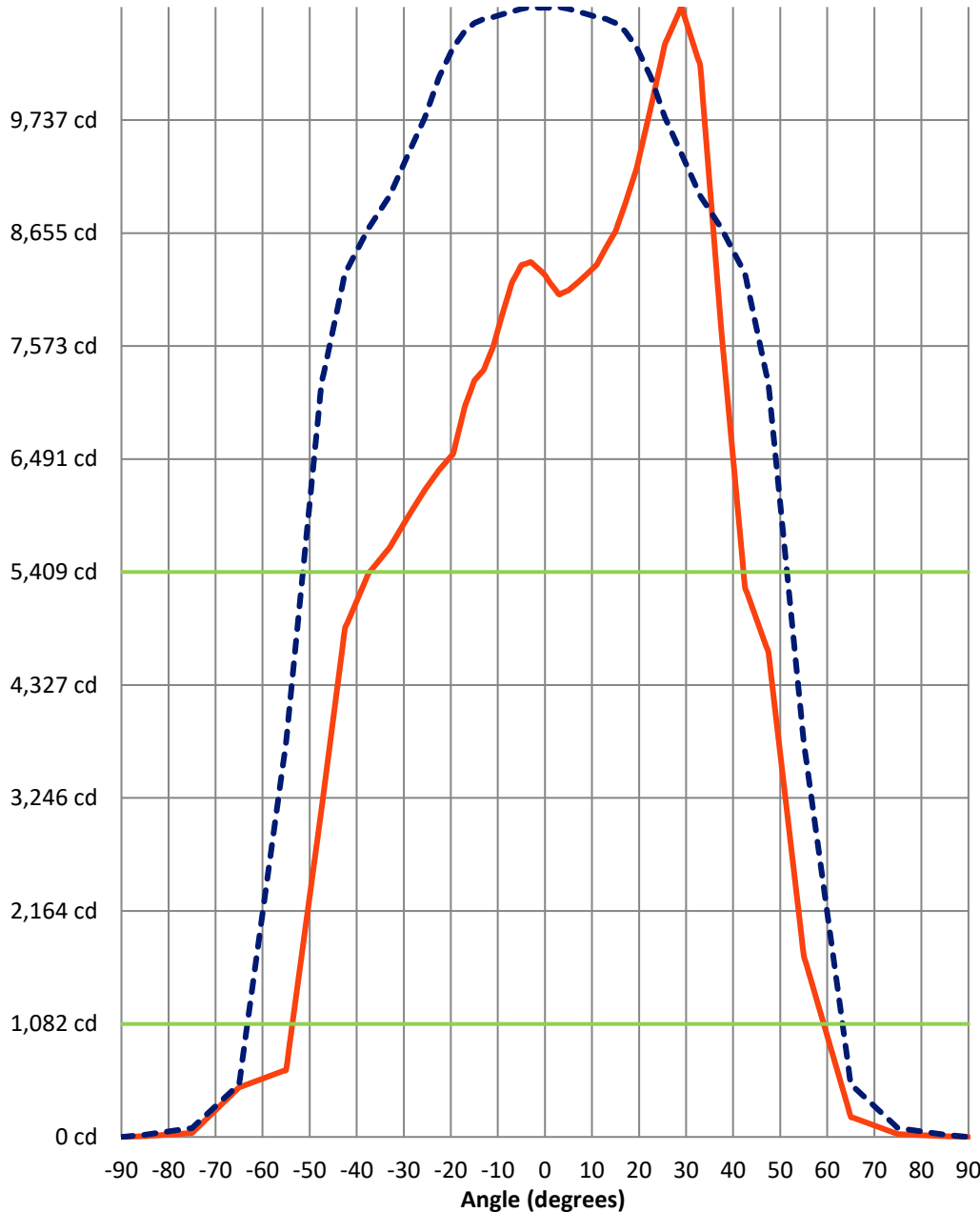
Luminous Intensity Polar Plot



REPORT NUMBER: P507776

CATALOG NUMBER: UFLD-CA2-130-760-U-66

Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 15062.1
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 19590.5
 Efficiency: 96.6%

Spill:
 Lumens: 681.5
 Efficiency: 3.4%

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



REPORT NUMBER: P507776

CATALOG NUMBER: UFLD-CA2-130-760-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	3.4	7.3	17.1	22.3	26.1	28.7	30.0	30.4	30.4	29.1
75°	25.3	25.7	27.4	24.8	19.7	21.4	31.3	35.5	39.4	40.7	38.5
65°	195.3	194.0	192.7	191.4	185.9	177.7	174.7	191.9	235.6	280.9	303.2
55°	1704.5	1698.5	1738.8	1710.5	1766.2	1819.7	1839.0	1844.6	1851.0	1818.5	1774.3
47.5°	4621.1	4661.3	4636.1	4632.6	4603.5	4558.1	4530.7	4486.2	4447.2	4439.1	4305.9
42.5°	5302.5	5284.5	5267.8	5305.0	5283.6	5301.6	5299.5	5254.1	5222.4	5157.3	5092.2
37.5°	7685.0	7698.2	7714.9	7718.4	7728.6	7685.4	7655.4	7623.7	7562.9	7459.3	7310.6
33°	10260.6	10284.2	10255.9	10254.2	10276.9	10266.6	10222.5	10181.4	10091.0	9969.4	9831.5
29°	10812.6	10811.4	10818.6	10801.5	10775.4	10750.1	10722.7	10704.3	10664.9	10589.1	10431.0
25.5°	10445.2	10451.2	10463.6	10453.7	10420.8	10402.4	10378.8	10346.7	10278.2	10196.8	10062.3
22.5°	9829.8	9876.9	9858.4	9846.0	9817.8	9772.8	9781.8	9751.4	9698.3	9615.2	9473.9
19.5°	9258.4	9282.0	9277.3	9243.0	9225.5	9188.6	9171.5	9149.2	9104.3	9052.9	8956.5
17°	8892.7	8936.4	8927.0	8906.0	8878.6	8854.1	8823.3	8804.5	8767.6	8711.1	8594.2
15°	8675.6	8695.3	8672.1	8667.8	8671.7	8623.3	8603.6	8555.6	8544.1	8496.5	8393.3
13°	8492.3	8502.1	8517.5	8493.1	8488.8	8471.7	8430.6	8410.5	8370.2	8350.9	8276.4
11°	8348.4	8415.6	8352.2	8369.8	8350.1	8347.5	8324.4	8313.2	8283.3	8253.7	8207.9
9°	8273.4	8285.0	8264.8	8264.0	8255.0	8238.7	8233.1	8232.3	8226.3	8210.0	8181.8
7°	8181.8	8191.6	8182.2	8172.8	8165.9	8159.1	8178.3	8184.8	8212.6	8189.5	8162.5
5°	8119.2	8109.8	8106.4	8104.7	8121.8	8121.8	8159.5	8180.9	8207.0	8214.3	8179.2
3°	8065.7	8077.3	8067.0	8079.4	8113.2	8131.2	8181.8	8213.0	8230.1	8230.6	8216.4
1°	8148.8	8177.0	8182.6	8191.2	8203.6	8214.7	8252.4	8280.3	8261.8	8262.7	8205.3
0°	8226.7	8237.9	8252.4	8242.6	8258.8	8268.7	8295.7	8301.2	8294.0	8261.4	8184.3
-1°	8308.5	8306.0	8297.8	8296.1	8300.0	8288.4	8303.4	8285.0	8263.1	8234.0	8161.6
-3°	8367.2	8388.6	8377.0	8363.8	8321.8	8321.8	8305.1	8236.6	8207.0	8176.6	8074.7
-5°	8317.9	8345.4	8347.1	8304.7	8239.6	8222.4	8169.3	8128.2	8076.8	8027.1	7924.4
-7°	8208.3	8193.7	8180.9	8126.1	8083.2	8043.0	7972.3	7900.8	7887.5	7840.4	7750.1
-9°	7905.9	7916.2	7885.8	7871.3	7824.1	7771.9	7751.3	7700.4	7673.4	7631.4	7548.3
-11°	7605.7	7564.6	7567.6	7577.9	7544.5	7544.9	7522.6	7491.8	7487.9	7448.1	7377.9
-13°	7368.9	7365.9	7345.8	7362.9	7356.5	7357.3	7336.3	7332.5	7325.2	7297.8	7203.1
-15°	7212.6	7237.8	7240.4	7225.8	7229.3	7221.1	7213.4	7195.0	7189.4	7146.2	7047.3
-17°	6985.2	6993.7	6995.9	6994.6	6983.9	6992.4	7001.9	6994.6	6967.6	6934.6	6855.0
-19.5°	6564.6	6530.3	6542.3	6554.3	6557.7	6557.3	6571.0	6594.1	6572.7	6529.5	6463.5
-22.5°	6414.7	6407.4	6385.1	6392.4	6389.0	6378.3	6378.3	6380.0	6367.6	6322.2	6232.2
-25.5°	6189.8	6200.1	6196.7	6192.0	6191.1	6171.9	6172.7	6175.7	6151.3	6101.2	6020.3
-29°	5941.9	5948.7	5946.2	5934.6	5918.8	5884.1	5869.5	5837.0	5793.7	5765.9	5700.3
-33°	5659.6	5642.5	5643.4	5641.7	5620.7	5600.5	5576.1	5535.4	5490.9	5456.2	5386.8
-37.5°	5393.7	5403.5	5394.5	5397.5	5385.5	5365.4	5343.6	5312.7	5269.1	5219.0	5150.0
-42.5°	4885.8	4878.5	4867.3	4842.9	4833.1	4786.4	4757.7	4758.6	4748.7	4710.6	4645.1
-47.5°	3033.0	3113.6	3132.0	3116.1	3100.7	3094.3	3061.7	3059.2	3061.7	3041.2	2990.6
-55°	626.6	624.4	642.4	655.3	681.8	692.1	697.2	678.4	699.4	742.6	763.6
-65°	482.7	481.0	474.1	473.7	467.2	464.7	464.2	460.0	463.0	475.8	490.4
-75°	37.7	37.7	38.1	33.8	31.3	35.1	45.8	49.3	54.4	52.2	58.2
-85°	1.3	3.9	7.7	18.0	23.1	26.6	29.1	30.4	30.4	30.0	29.6
-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: P507776

CATALOG NUMBER: UFLD-CA2-130-760-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°	27.0	25.3	24.0	22.3	19.3	16.3	14.1	12.0	13.7	12.0	14.6
75°	34.7	35.1	44.1	55.2	49.7	33.4	23.1	19.3	25.3	14.6	15.8
65°	264.2	170.5	105.8	79.7	64.7	54.8	67.2	51.0	47.1	23.6	16.7
55°	1665.1	1554.2	1472.8	1369.2	1335.4	1239.9	1003.0	408.1	74.9	38.1	18.0
47.5°	4161.5	3975.2	3765.0	3529.4	3326.4	3045.5	2495.1	1091.7	89.9	49.3	19.3
42.5°	4978.7	4766.7	4639.5	4467.8	4277.6	4214.6	3795.4	1880.1	92.5	56.1	19.7
37.5°	7183.4	6946.2	6619.4	6367.2	6167.6	6138.9	5353.0	2654.0	147.3	64.7	20.6
33°	9566.8	9219.0	8768.5	8379.2	8040.0	7735.5	6559.0	3277.2	343.0	74.5	21.0
29°	10147.5	9762.9	9415.6	9011.3	8699.5	8267.0	7205.7	3783.4	504.5	85.2	21.4
25.5°	9787.4	9499.1	9161.2	8843.4	8610.0	8308.1	7485.0	4066.5	635.1	95.1	21.8
22.5°	9255.9	9002.8	8721.8	8519.7	8392.9	8159.5	7463.5	4223.2	739.2	103.6	22.3
19.5°	8789.0	8612.6	8385.6	8260.6	8205.7	7925.2	7248.1	4380.4	833.0	112.6	22.7
17°	8466.1	8314.1	8164.2	8105.1	8050.3	7688.0	7052.0	4490.5	909.7	117.3	23.1
15°	8277.3	8167.2	8059.7	8017.3	7914.1	7479.4	6921.3	4563.7	963.2	121.2	23.6
13°	8186.9	8114.5	8018.6	7938.1	7762.0	7290.9	6825.0	4649.8	1006.9	124.6	23.6
11°	8137.2	8070.0	7941.5	7822.4	7574.9	7124.3	6768.0	4723.9	1042.8	126.3	24.0
9°	8108.9	8028.0	7871.3	7661.4	7422.0	6979.6	6734.2	4777.4	1072.8	127.2	24.4
7°	8117.9	7985.2	7780.9	7539.8	7282.8	6890.5	6704.6	4816.4	1093.4	126.8	24.8
5°	8114.9	7941.9	7706.8	7459.7	7175.3	6807.4	6681.9	4847.2	1102.8	125.5	25.3
3°	8099.1	7920.5	7640.4	7342.8	7079.4	6741.0	6671.7	4866.9	1111.4	124.2	25.3
1°	8073.8	7868.7	7555.2	7276.8	7012.1	6678.5	6660.5	4875.0	1109.2	122.9	25.3
0°	8048.6	7843.8	7527.3	7242.5	6981.3	6644.7	6644.2	4895.6	1105.4	122.1	25.3
-1°	8007.4	7790.3	7478.5	7191.6	6941.0	6650.7	6645.1	4877.2	1101.1	120.8	25.7
-3°	7894.8	7691.8	7398.0	7115.3	6867.4	6607.0	6630.5	4859.2	1093.4	119.5	26.1
-5°	7767.2	7570.6	7307.2	7026.7	6782.2	6541.5	6597.1	4808.7	1075.4	118.6	26.1
-7°	7604.9	7457.1	7175.7	6903.4	6671.7	6448.1	6534.2	4759.8	1055.7	117.8	26.6
-9°	7438.7	7284.1	7033.5	6762.5	6549.6	6370.6	6448.1	4684.0	1029.6	116.9	26.6
-11°	7269.1	7109.8	6859.7	6607.8	6404.8	6249.0	6357.3	4599.2	1000.4	116.9	27.0
-13°	7066.1	6920.5	6693.5	6466.9	6272.1	6156.9	6259.7	4492.2	964.9	117.3	27.0
-15°	6909.8	6754.3	6536.8	6324.8	6147.9	6062.2	6145.7	4355.6	931.1	118.2	27.4
-17°	6723.5	6589.0	6390.3	6192.4	6032.7	5971.0	6031.8	4217.2	887.4	118.6	27.4
-19.5°	6359.9	6237.4	6111.5	5981.3	5876.4	5856.7	5886.2	4035.6	828.3	119.5	27.4
-22.5°	6115.3	5991.1	5854.1	5753.0	5681.1	5748.7	5711.5	3783.8	744.3	120.8	27.4
-25.5°	5914.9	5800.5	5663.5	5566.3	5525.2	5673.4	5550.9	3511.4	650.5	120.8	27.4
-29°	5605.7	5505.9	5383.0	5290.9	5268.6	5499.5	5239.5	3196.6	540.1	119.1	27.4
-33°	5266.9	5154.7	5030.5	4932.4	4890.9	5201.8	4726.0	2819.3	402.1	114.3	27.4
-37.5°	5051.1	4925.6	4786.8	4632.6	4538.9	4581.3	4039.5	2278.0	233.8	106.2	27.0
-42.5°	4529.0	4451.9	4281.0	4114.4	3868.6	3574.4	3012.1	1633.9	178.6	96.4	27.0
-47.5°	2994.5	2938.0	2883.1	2778.2	2543.9	2238.2	1881.0	904.9	170.0	84.4	26.6
-55°	827.4	839.0	888.7	827.9	723.8	634.3	615.4	276.2	156.3	64.7	25.3
-65°	519.5	526.8	429.6	304.1	205.6	157.2	159.3	105.8	104.1	37.7	23.6
-75°	63.4	63.8	53.5	51.0	51.4	58.7	61.2	51.0	41.1	21.4	21.8
-85°	28.7	28.3	27.4	26.6	26.1	24.8	23.1	21.0	19.3	19.7	19.7
-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: P507776

CATALOG NUMBER: UFLD-CA2-130-760-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)