

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 (G3-2106-281-1)
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: -

Summary

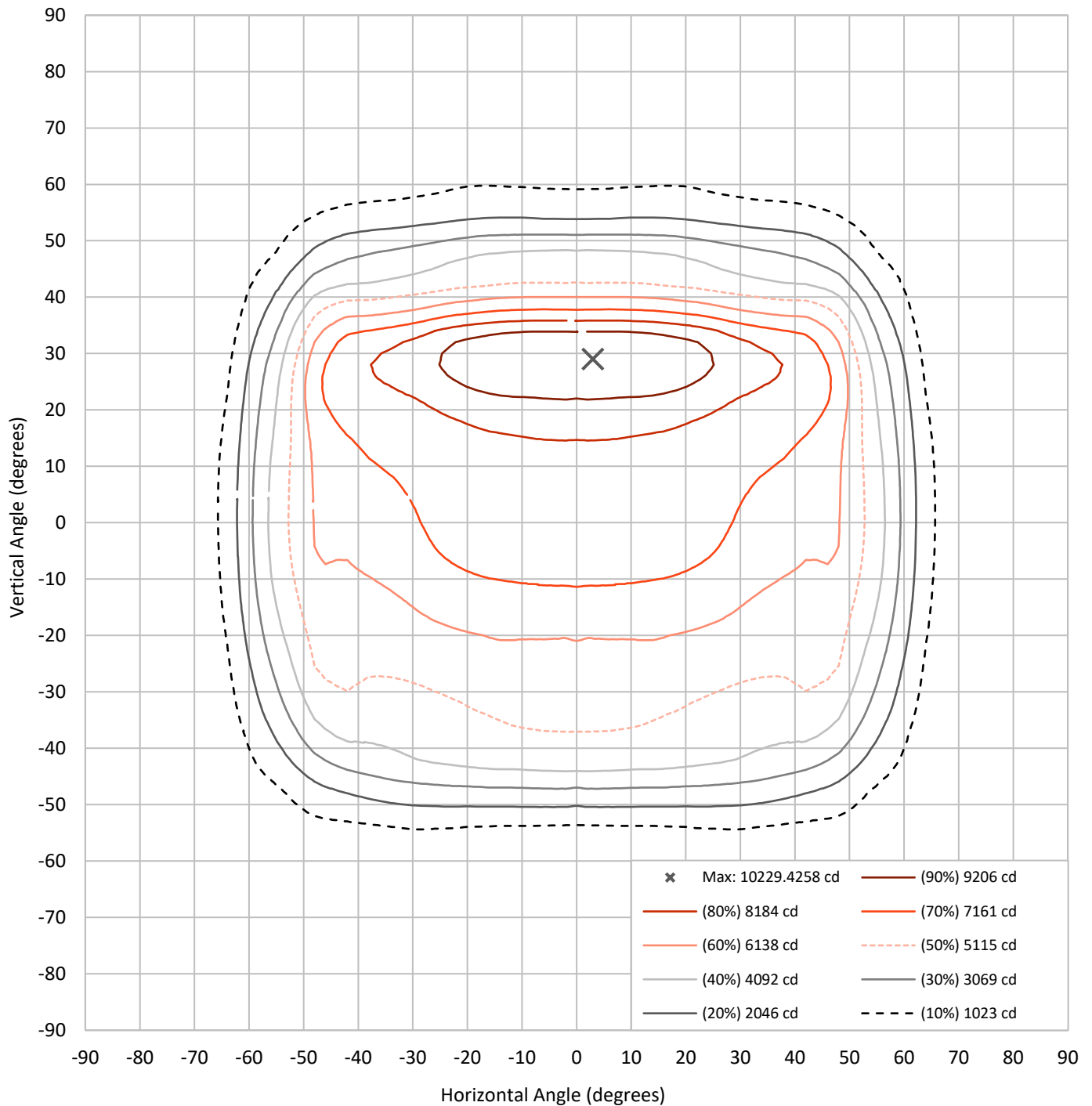
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	19168 lumens	Max Intensity:	10229.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	154.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	14241.8 lumens	Field Lumens:	18523.7 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	123.9		
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

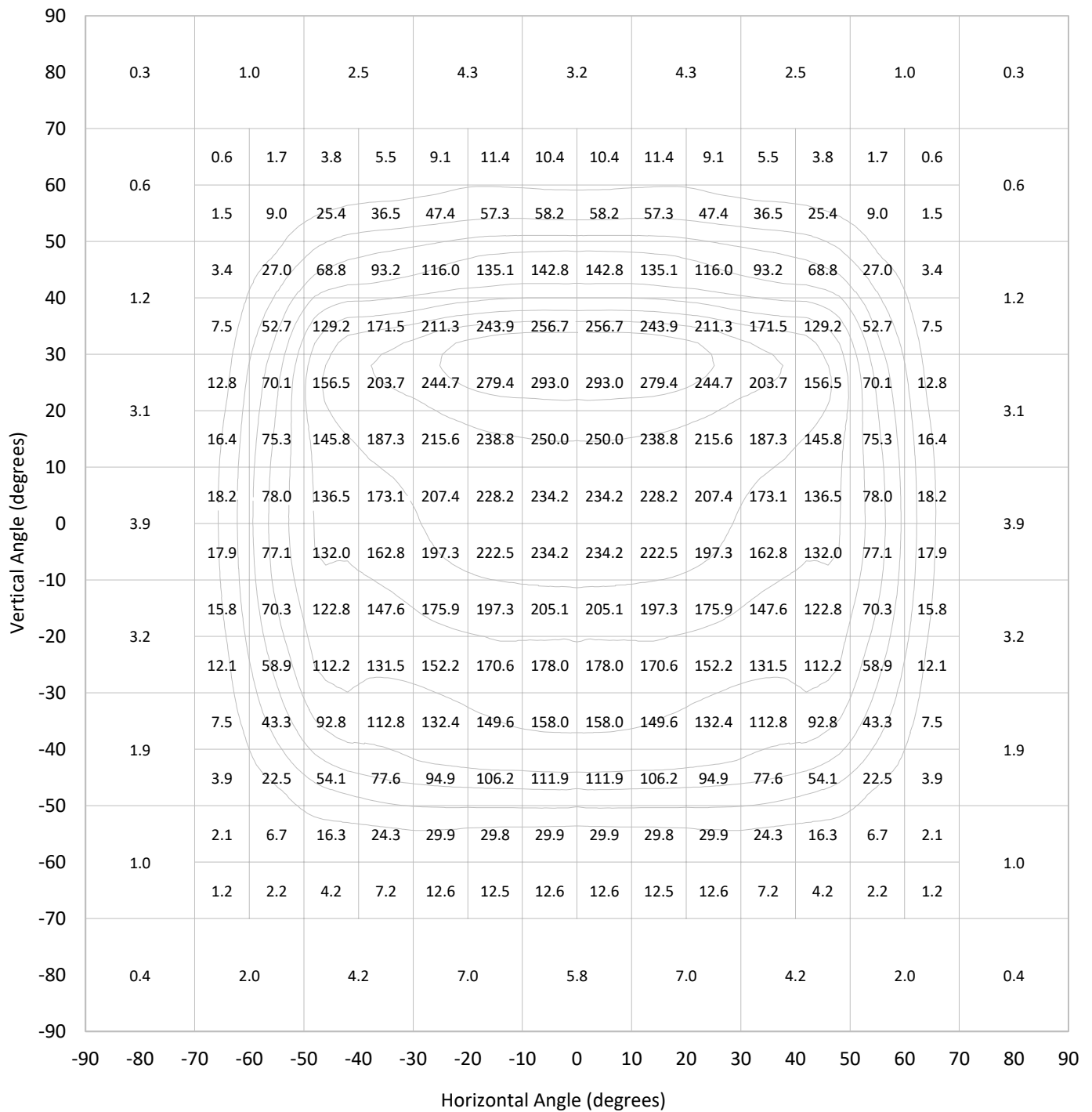




REPORT NUMBER: P507776

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

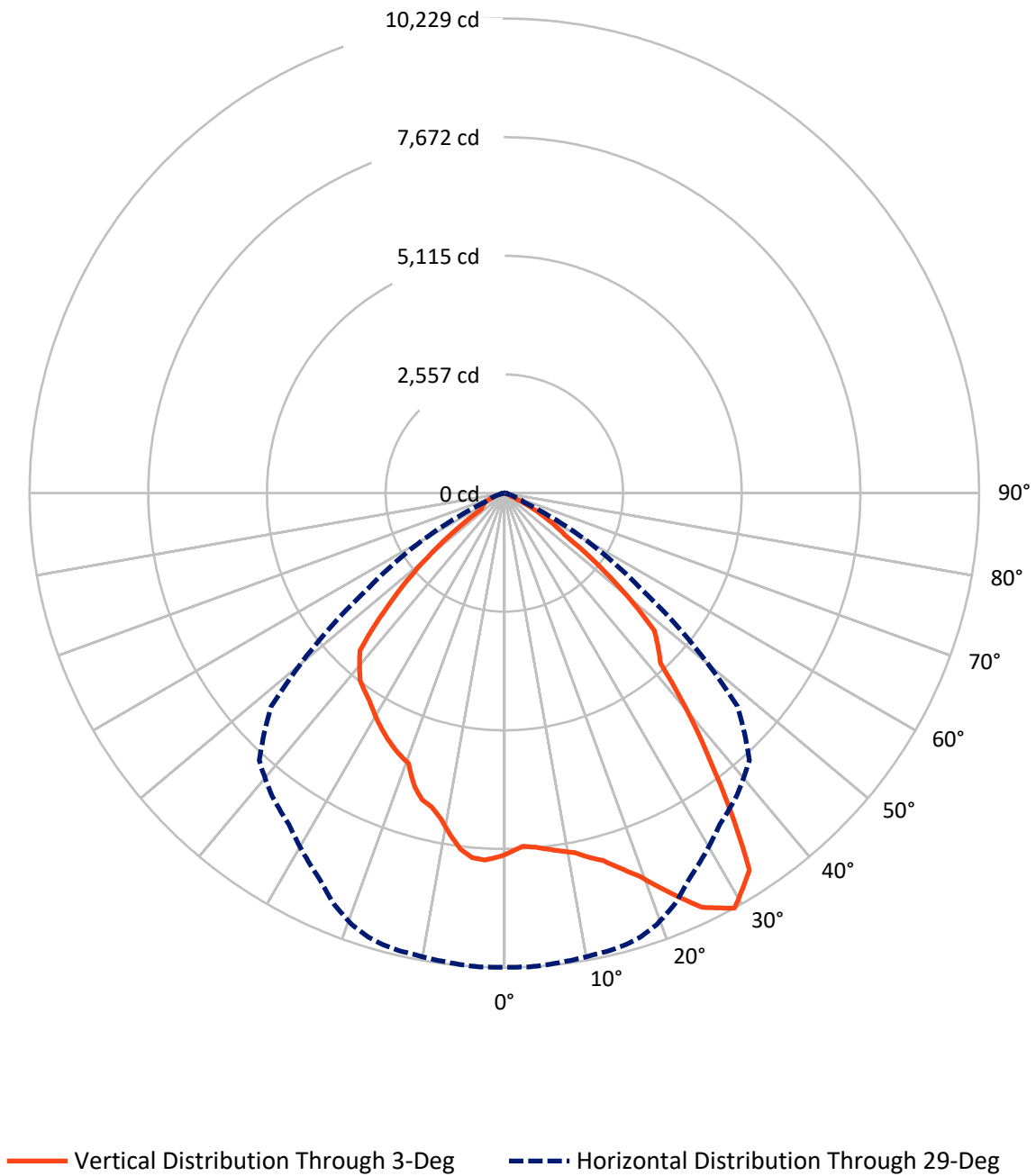
Lumen Table



REPORT NUMBER: P507776

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

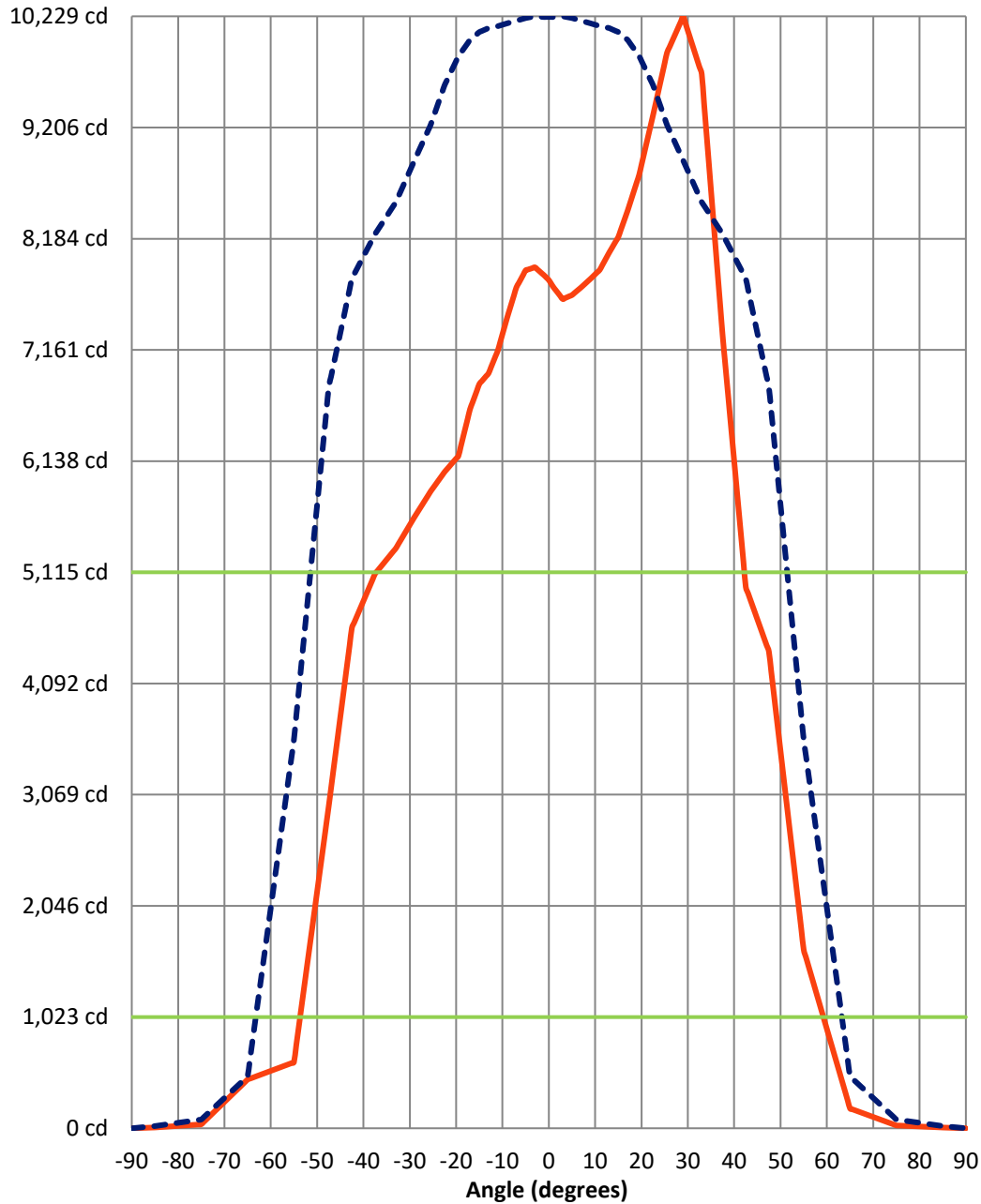
Luminous Intensity Polar Plot



REPORT NUMBER: P507776

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

Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 14241.8
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 18523.7
 Efficiency: 96.6%

Spill:
 Lumens: 644.3
 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	3.2	6.9	16.2	21.1	24.7	27.1	28.4	28.7	28.7	27.5
75°	23.9	24.3	25.9	23.4	18.6	20.2	29.6	33.6	37.3	38.5	36.4
65°	184.7	183.4	182.2	181.0	175.8	168.0	165.2	181.4	222.8	265.6	286.7
55°	1611.7	1606.0	1644.1	1617.3	1670.0	1720.6	1738.8	1744.1	1750.2	1719.5	1677.7
47.5°	4369.4	4407.4	4383.6	4380.3	4352.8	4309.9	4284.0	4241.9	4205.0	4197.3	4071.4
42.5°	5013.7	4996.7	4980.9	5016.1	4995.9	5012.9	5010.9	4968.0	4938.0	4876.4	4814.9
37.5°	7266.5	7279.0	7294.8	7298.1	7307.7	7266.9	7238.5	7208.5	7151.0	7053.1	6912.5
33°	9701.8	9724.1	9697.4	9695.8	9717.2	9707.5	9665.8	9626.9	9541.5	9426.5	9296.1
29°	10223.8	10222.6	10229.4	10213.3	10188.6	10164.7	10138.7	10121.4	10084.1	10012.4	9862.9
25.5°	9876.4	9882.0	9893.8	9884.4	9853.3	9835.9	9813.6	9783.2	9718.5	9641.5	9514.3
22.5°	9294.5	9339.0	9321.5	9309.8	9283.1	9240.6	9249.1	9220.3	9170.1	9091.6	8958.0
19.5°	8754.2	8776.5	8772.1	8739.6	8723.1	8688.2	8672.0	8650.9	8608.5	8559.9	8468.7
17°	8408.4	8449.7	8440.8	8421.0	8395.1	8371.9	8342.8	8325.0	8290.1	8236.7	8126.2
15°	8203.1	8221.8	8199.8	8195.8	8199.4	8153.7	8135.1	8089.7	8078.8	8033.8	7936.2
13°	8029.8	8039.1	8053.6	8030.6	8026.5	8010.3	7971.5	7952.5	7914.4	7896.1	7825.7
11°	7893.8	7957.3	7897.3	7914.0	7895.4	7892.9	7871.1	7860.5	7832.2	7804.2	7760.9
9°	7822.8	7833.8	7814.7	7813.9	7805.4	7790.0	7784.7	7784.0	7778.3	7762.9	7736.2
7°	7736.2	7745.5	7736.6	7727.7	7721.2	7714.8	7732.9	7739.1	7765.3	7743.5	7718.0
5°	7677.0	7668.1	7664.9	7663.3	7679.5	7679.5	7715.1	7735.4	7760.1	7767.0	7733.8
3°	7626.4	7637.4	7627.7	7639.4	7671.4	7688.4	7736.2	7765.7	7781.9	7782.4	7768.9
1°	7705.0	7731.7	7737.0	7745.1	7756.8	7767.3	7803.0	7829.4	7811.9	7812.7	7758.4
0°	7778.7	7789.3	7803.0	7793.7	7809.0	7818.4	7843.9	7849.1	7842.3	7811.5	7738.6
-1°	7856.0	7853.7	7845.9	7844.3	7848.0	7837.0	7851.2	7833.8	7813.1	7785.6	7717.1
-3°	7911.5	7931.8	7920.8	7908.3	7868.6	7868.6	7852.8	7788.0	7760.1	7731.3	7635.0
-5°	7864.9	7890.9	7892.5	7852.4	7790.9	7774.6	7724.4	7685.5	7636.9	7589.9	7492.8
-7°	7761.3	7747.5	7735.4	7683.6	7643.0	7605.0	7538.1	7470.5	7458.0	7413.4	7328.0
-9°	7475.3	7485.1	7456.3	7442.6	7398.0	7348.6	7329.2	7281.0	7255.5	7215.8	7137.2
-11°	7191.5	7152.6	7155.5	7165.2	7133.6	7134.0	7112.9	7083.8	7080.1	7042.5	6976.1
-13°	6967.6	6964.8	6945.8	6961.9	6955.9	6956.6	6936.8	6933.2	6926.3	6900.4	6810.8
-15°	6819.8	6843.6	6846.1	6832.3	6835.6	6827.8	6820.6	6803.2	6797.9	6757.0	6663.5
-17°	6604.8	6612.8	6614.9	6613.7	6603.6	6611.6	6620.6	6613.7	6588.1	6556.9	6481.7
-19.5°	6207.1	6174.7	6186.0	6197.4	6200.6	6200.2	6213.1	6235.0	6214.8	6173.9	6111.5
-22.5°	6065.4	6058.5	6037.4	6044.3	6041.1	6030.9	6030.9	6032.5	6020.8	5977.9	5892.8
-25.5°	5852.7	5862.4	5859.2	5854.8	5853.9	5835.8	5836.5	5839.4	5816.3	5768.9	5692.4
-29°	5618.3	5624.7	5622.4	5611.4	5596.5	5563.7	5549.9	5519.1	5478.2	5451.9	5389.9
-33°	5351.4	5335.2	5336.1	5334.5	5314.6	5295.5	5272.4	5233.9	5191.9	5159.1	5093.4
-37.5°	5100.0	5109.2	5100.7	5103.6	5092.2	5073.2	5052.6	5023.4	4982.1	4934.8	4869.5
-42.5°	4619.7	4612.8	4602.2	4579.2	4569.9	4525.7	4498.6	4499.4	4490.1	4454.1	4392.1
-47.5°	2867.8	2944.0	2961.4	2946.4	2931.8	2925.8	2895.0	2892.6	2895.0	2875.6	2827.7
-55°	592.5	590.4	607.4	619.6	644.7	654.4	659.2	641.5	661.3	702.2	722.0
-65°	456.4	454.8	448.3	447.9	441.8	439.4	438.9	434.9	437.8	449.9	463.7
-75°	35.6	35.6	36.0	32.0	29.6	33.2	43.3	46.6	51.4	49.4	55.0
-85°	1.2	3.7	7.3	17.0	21.8	25.2	27.5	28.7	28.7	28.4	28.0
-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: 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°	25.5	23.9	22.7	21.1	18.2	15.4	13.3	11.3	13.0	11.3	13.8
75°	32.8	33.2	41.7	52.2	47.0	31.6	21.8	18.2	23.9	13.8	14.9
65°	249.8	161.2	100.0	75.4	61.2	51.8	63.5	48.2	44.5	22.3	15.8
55°	1574.4	1469.6	1392.6	1294.6	1262.7	1172.4	948.4	385.9	70.8	36.0	17.0
47.5°	3934.9	3758.7	3560.0	3337.2	3145.2	2879.6	2359.2	1032.2	85.0	46.6	18.2
42.5°	4707.6	4507.1	4386.8	4224.5	4044.6	3985.1	3588.7	1777.7	87.5	53.0	18.6
37.5°	6792.2	6567.9	6258.9	6020.4	5831.7	5804.6	5061.5	2509.5	139.3	61.2	19.5
33°	9045.8	8716.9	8291.0	7922.9	7602.1	7314.2	6201.8	3098.7	324.3	70.4	19.9
29°	9594.9	9231.2	8902.8	8520.6	8225.7	7816.8	6813.3	3577.4	477.0	80.6	20.2
25.5°	9254.4	8981.8	8662.3	8361.8	8141.1	7855.6	7077.4	3845.0	600.5	89.9	20.6
22.5°	8751.8	8512.5	8246.8	8055.7	7935.8	7715.1	7057.0	3993.2	698.9	98.0	21.1
19.5°	8310.4	8143.6	7928.9	7810.7	7758.8	7493.6	6853.4	4141.8	787.6	106.5	21.5
17°	8005.0	7861.3	7719.6	7663.7	7611.9	7269.3	6668.0	4246.0	860.2	110.9	21.8
15°	7826.5	7722.4	7620.8	7580.7	7483.1	7072.1	6544.4	4315.2	910.7	114.6	22.3
13°	7741.0	7672.6	7581.9	7505.8	7339.3	6893.8	6453.3	4396.6	952.1	117.8	22.3
11°	7694.1	7630.5	7509.0	7396.4	7162.4	6736.3	6399.4	4466.6	986.0	119.4	22.7
9°	7667.3	7590.8	7442.6	7244.2	7017.8	6599.5	6367.5	4517.2	1014.4	120.3	23.1
7°	7675.8	7550.3	7357.2	7129.2	6886.2	6515.2	6339.5	4554.1	1033.9	119.9	23.4
5°	7673.0	7509.4	7287.1	7053.4	6784.5	6436.7	6318.0	4583.2	1042.7	118.7	23.9
3°	7658.0	7489.2	7224.3	6942.9	6693.9	6373.9	6308.4	4601.9	1050.9	117.4	23.9
1°	7634.1	7440.2	7143.7	6880.5	6630.2	6314.8	6297.8	4609.5	1048.8	116.2	23.9
0°	7610.3	7416.6	7117.4	6848.1	6601.1	6282.8	6282.4	4629.0	1045.2	115.5	23.9
-1°	7571.3	7366.0	7071.2	6800.0	6563.0	6288.5	6283.2	4611.6	1041.1	114.2	24.3
-3°	7464.9	7272.9	6995.1	6727.8	6493.4	6247.2	6269.4	4594.6	1033.9	113.0	24.7
-5°	7344.2	7158.3	6909.3	6644.0	6412.8	6185.3	6237.8	4546.8	1016.8	112.1	24.7
-7°	7190.7	7051.0	6784.9	6527.4	6308.4	6096.9	6178.4	4500.6	998.2	111.4	25.2
-9°	7033.6	6887.4	6650.5	6394.2	6192.9	6023.7	6096.9	4428.9	973.5	110.5	25.2
-11°	6873.2	6722.6	6486.1	6247.9	6056.0	5908.7	6011.1	4348.7	945.9	110.5	25.5
-13°	6681.3	6543.6	6329.0	6114.7	5930.5	5821.6	5918.8	4247.6	912.4	110.9	25.5
-15°	6533.5	6386.5	6180.8	5980.4	5813.1	5732.1	5811.0	4118.4	880.4	111.8	25.9
-17°	6357.3	6230.2	6042.3	5855.2	5704.2	5645.8	5703.3	3987.5	839.1	112.1	25.9
-19.5°	6013.5	5897.7	5778.7	5655.6	5556.4	5537.7	5565.6	3815.8	783.2	113.0	25.9
-22.5°	5782.3	5664.8	5535.3	5439.7	5371.7	5435.6	5400.5	3577.7	703.8	114.2	25.9
-25.5°	5592.8	5484.6	5355.1	5263.2	5224.3	5364.4	5248.6	3320.2	615.1	114.2	25.9
-29°	5300.4	5206.1	5089.8	5002.8	4981.7	5200.0	4954.2	3022.5	510.7	112.6	25.9
-33°	4980.1	4874.0	4756.5	4663.8	4624.5	4918.5	4468.6	2665.8	380.2	108.1	25.9
-37.5°	4776.0	4657.4	4526.1	4380.3	4291.7	4331.8	3819.5	2153.9	221.1	100.4	25.5
-42.5°	4282.4	4209.5	4047.9	3890.3	3657.9	3379.7	2848.1	1544.9	168.9	91.2	25.5
-47.5°	2831.4	2778.0	2726.1	2626.9	2405.4	2116.3	1778.6	855.6	160.7	79.8	25.2
-55°	782.3	793.3	840.3	782.8	684.4	599.8	581.9	261.2	147.8	61.2	23.9
-65°	491.2	498.1	406.2	287.5	194.4	148.6	150.6	100.0	98.4	35.6	22.3
-75°	59.9	60.3	50.6	48.2	48.6	55.5	57.9	48.2	38.9	20.2	20.6
-85°	27.1	26.8	25.9	25.2	24.7	23.4	21.8	19.9	18.2	18.6	18.6
-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):

	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)