

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: P571663

Luminaire Tested: **UFLD-CA2-80-740-U-66-TS2_UFLD**

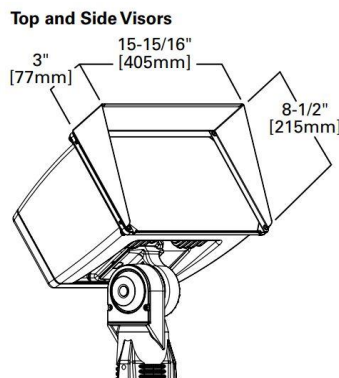
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-80-740-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

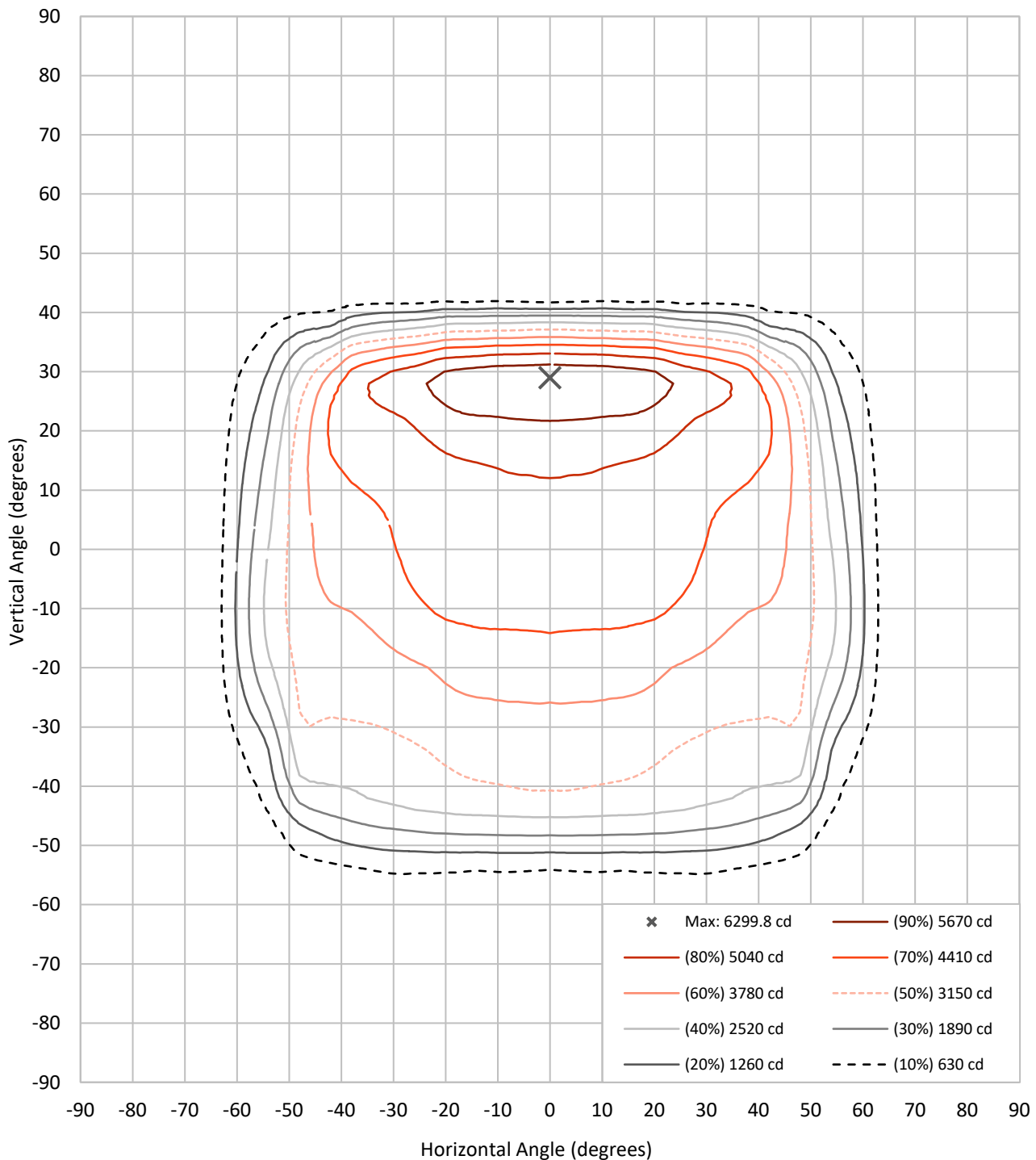
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	10412 lumens	Max Intensity:	6299.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	126.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	91.9°H x 77.9°V	Field Angle (10%):	119.5°H x 95.8°V
Beam Lumens:	8015.9 lumens	Field Lumens:	10146.1 lumens
Beam Efficiency:	77.0%	Field Efficiency:	97.4%
Input Watts (W):	82.2		
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:	25 FT		



REPORT NUMBER: P571663
CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

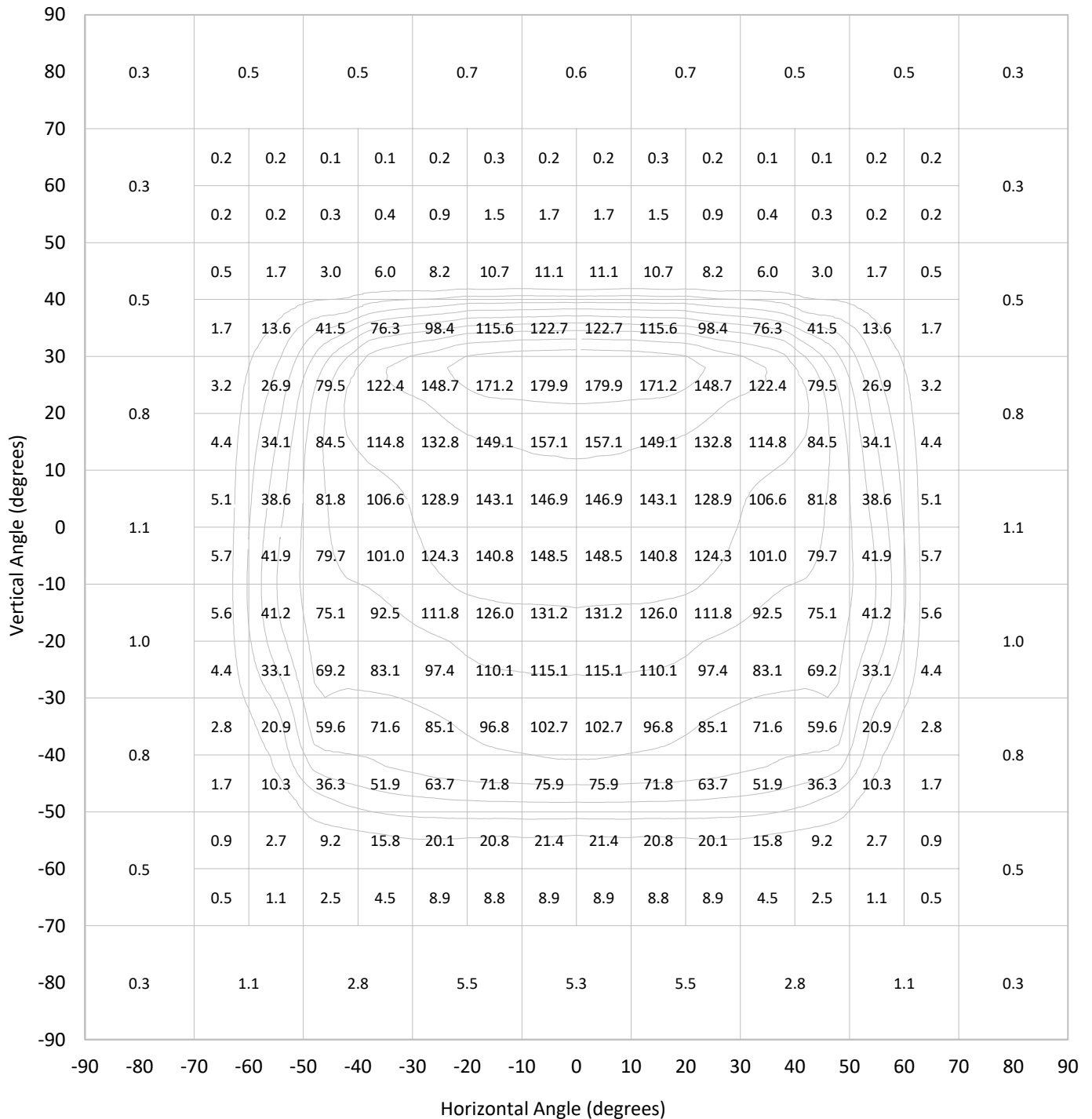
Iso-Candela Plot





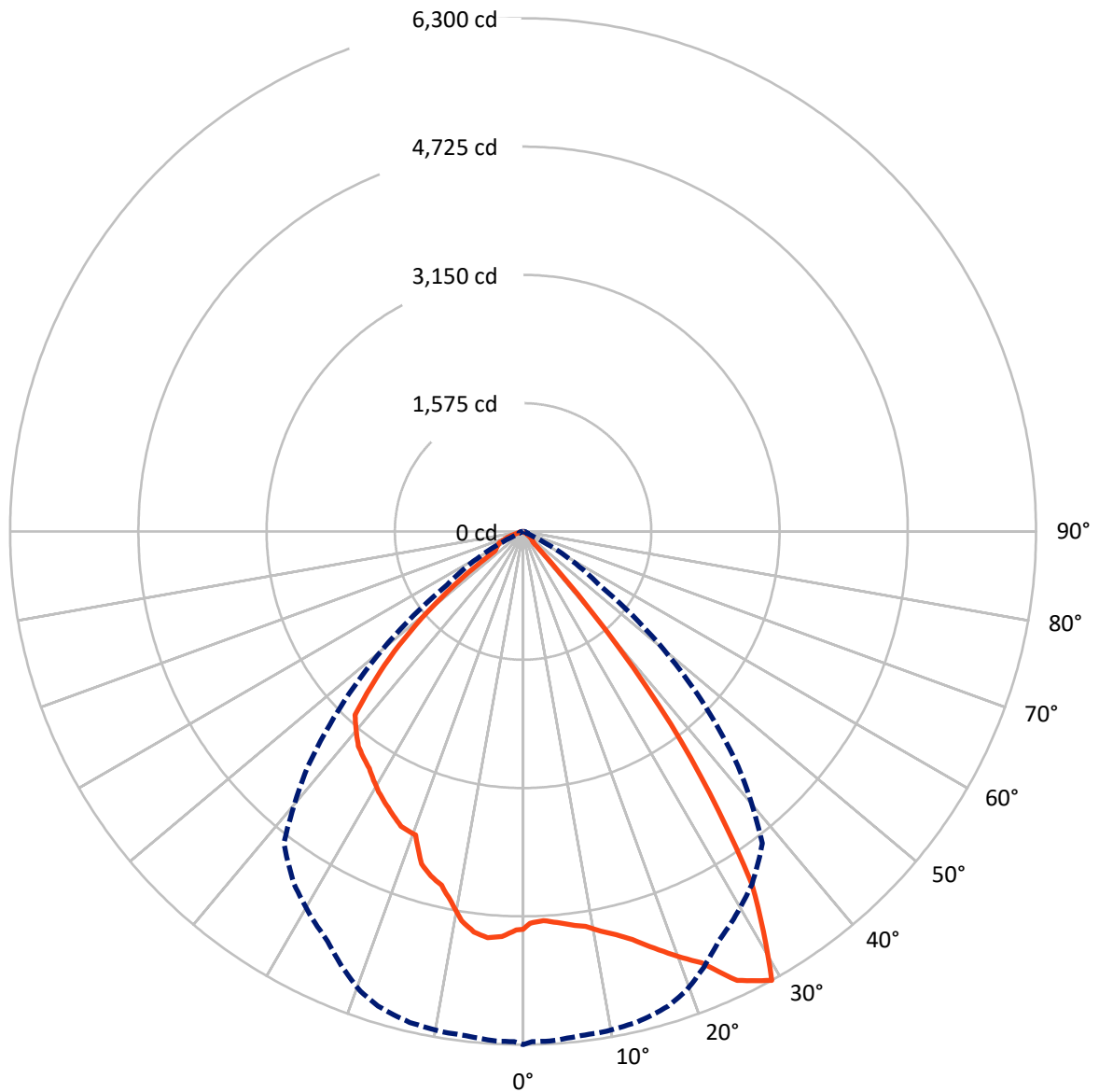
REPORT NUMBER: P571663
 CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

Lumen Table



REPORT NUMBER: P571663
CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

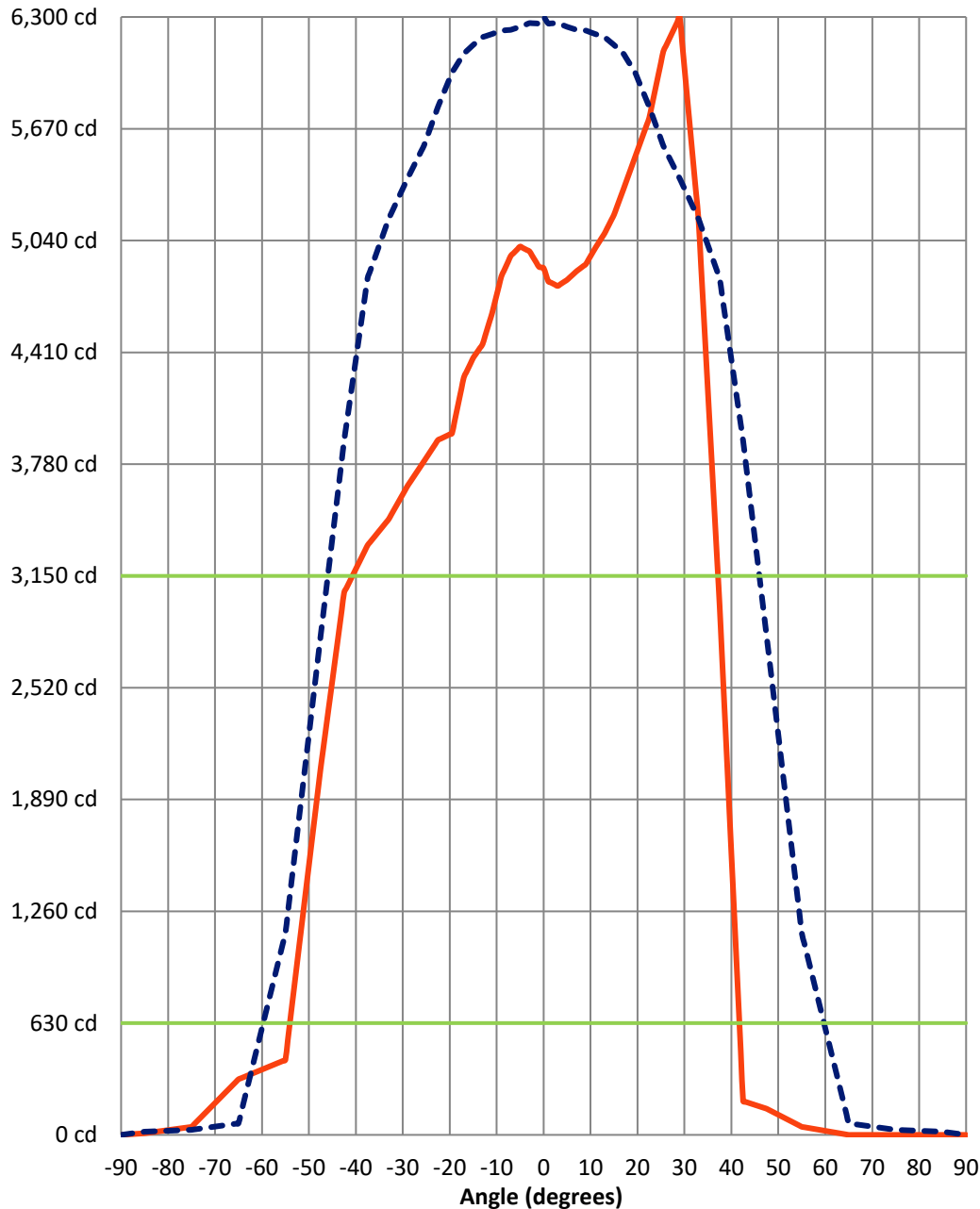
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 29-Deg

REPORT NUMBER: P571663
 CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

Luminous Intensity Plot



Beam:
 H Angle: 91.9°
 V Angle: 77.9°
 Lumens: 8015.9
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 10146.1
 Efficiency: 97.4%

Spill:
 Lumens: 265.9
 Efficiency: 2.6%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P571663
 CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

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°	0.0	2.8	7.1	9.0	9.5	10.4	10.4	11.4	11.4	10.9	10.4
75°	0.0	0.9	2.8	4.3	5.2	6.2	6.6	6.6	6.6	6.2	6.2
65°	0.0	0.5	1.9	2.8	3.8	4.3	4.3	4.7	4.7	4.7	4.3
55°	45.5	46.9	46.0	45.5	45.5	44.5	42.6	39.8	36.5	37.0	34.6
47.5°	147.4	145.9	146.4	145.5	144.0	139.8	137.4	135.5	134.1	133.6	127.5
42.5°	190.5	196.6	214.6	253.0	293.8	337.4	339.7	306.6	266.3	222.2	309.4
37.5°	2979.8	3025.8	2965.1	2949.0	2868.9	2886.0	2871.8	2826.8	2823.5	2849.0	2817.8
33°	5157.9	5175.0	5143.2	5134.7	5118.1	5118.1	5100.1	5019.6	4961.3	4925.3	4913.9
29°	6299.8	6262.9	6265.2	6244.4	6227.3	6223.1	6203.6	6186.1	6142.0	6093.2	5986.6
25.5°	6105.6	6086.6	6095.6	6061.0	6054.9	6029.3	6031.6	6007.9	5975.7	5925.0	5811.3
22.5°	5730.8	5733.1	5731.7	5713.7	5707.1	5683.9	5655.9	5650.7	5647.8	5610.9	5528.0
19.5°	5511.4	5488.2	5480.1	5492.0	5472.1	5442.7	5410.9	5389.6	5364.0	5353.6	5322.8
17°	5328.5	5303.9	5314.8	5297.7	5284.4	5246.1	5212.4	5183.5	5170.2	5151.8	5106.8
15°	5185.4	5166.0	5162.7	5149.9	5159.8	5112.9	5093.0	5068.4	5041.4	5014.4	4977.9
13°	5080.7	5085.4	5077.4	5043.7	5058.9	5021.5	4996.8	4965.6	4942.8	4918.2	4897.8
11°	4997.3	5003.5	4971.2	4969.8	4976.9	4928.1	4921.0	4884.5	4871.7	4874.1	4819.6
9°	4906.8	4920.5	4931.9	4916.8	4905.9	4886.4	4875.1	4861.8	4837.6	4841.4	4827.7
7°	4866.5	4855.2	4852.3	4874.1	4857.1	4838.6	4819.1	4826.3	4831.0	4844.3	4827.7
5°	4818.2	4824.8	4829.1	4815.8	4813.5	4820.6	4808.3	4822.5	4826.7	4921.5	4950.9
3°	4783.6	4808.3	4795.5	4779.3	4790.7	4801.6	4827.2	4829.6	4875.5	4931.0	4947.1
1°	4810.1	4827.7	4829.1	4829.1	4840.5	4875.5	4878.4	4892.6	4926.2	4949.4	4962.2
0°	4884.5	4873.6	4880.3	4870.3	4897.8	4915.8	4918.2	4906.8	4931.4	5010.1	5010.1
-1°	4892.1	4896.9	4916.3	4921.5	4914.4	4936.7	4902.1	4904.9	4916.8	4963.2	4919.6
-3°	4978.8	4980.2	4977.9	4979.8	4968.4	4962.2	4938.1	4918.6	4890.7	4846.6	4809.7
-5°	5006.3	5009.6	4997.3	4991.6	4966.0	4924.8	4912.0	4878.8	4833.4	4784.1	4748.6
-7°	4953.2	4954.2	4914.4	4925.3	4883.1	4835.7	4803.0	4757.1	4724.4	4676.5	4641.0
-9°	4837.6	4820.6	4793.1	4784.6	4744.8	4686.5	4641.9	4607.4	4590.8	4562.8	4570.9
-11°	4628.2	4614.5	4615.9	4592.7	4562.3	4536.8	4515.0	4500.7	4490.8	4479.0	4461.9
-13°	4455.7	4448.6	4424.9	4432.0	4416.9	4422.1	4426.8	4421.1	4409.3	4393.7	4369.0
-15°	4378.5	4372.8	4362.4	4354.3	4352.9	4352.9	4351.0	4348.7	4338.2	4299.4	4261.5
-17°	4268.1	4253.9	4252.9	4250.6	4245.4	4248.2	4242.5	4232.6	4229.7	4203.7	4166.7
-19.5°	3954.0	3961.1	3960.1	3970.6	3959.2	3978.6	3985.7	3986.2	3971.5	3954.9	3924.1
-22.5°	3915.6	3893.8	3896.6	3902.8	3891.9	3887.6	3885.7	3887.6	3872.9	3853.5	3803.8
-25.5°	3795.2	3803.8	3804.2	3791.9	3793.8	3795.7	3773.4	3772.0	3757.3	3736.0	3682.0
-29°	3656.4	3661.6	3649.8	3650.7	3630.8	3622.3	3596.2	3581.1	3556.9	3542.7	3490.1
-33°	3469.3	3481.1	3470.2	3466.9	3447.5	3432.3	3410.5	3399.6	3361.2	3326.6	3287.3
-37.5°	3322.4	3309.1	3305.8	3312.4	3286.8	3278.3	3257.5	3239.5	3212.5	3178.8	3129.1
-42.5°	3055.1	3072.2	3066.0	3046.6	3035.7	3003.5	2990.7	2974.6	2964.2	2959.0	2902.6
-47.5°	2065.3	2074.4	2071.5	2064.9	2057.8	2054.9	2041.2	2030.3	2027.9	2019.4	1992.4
-55°	422.6	433.5	441.6	461.5	470.0	482.3	471.0	449.6	445.9	490.4	486.6
-65°	313.2	311.8	310.3	308.9	306.6	305.6	308.0	309.9	308.5	314.6	326.9
-75°	45.0	44.5	46.0	46.4	43.1	43.1	50.2	48.8	50.7	50.7	51.2
-85°	9.0	8.1	9.0	13.3	13.7	15.6	17.1	18.5	19.0	19.0	19.0
-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: P571663
 CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

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°	9.5	8.5	7.6	6.6	5.7	6.2	7.1	9.0	12.8	14.7	16.1
75°	5.7	5.2	4.7	4.7	4.7	5.7	6.6	8.5	12.3	14.2	16.6
65°	4.3	3.8	3.3	3.3	3.3	4.3	6.6	9.0	12.8	14.7	16.6
55°	31.3	22.7	12.8	13.3	13.3	13.7	14.2	11.8	14.7	16.1	17.1
47.5°	108.5	76.8	46.4	36.5	36.5	31.7	27.5	20.8	27.0	17.5	17.1
42.5°	304.2	139.3	223.6	239.3	207.5	92.9	122.2	138.8	34.6	19.9	17.5
37.5°	2587.5	2477.6	2329.7	2206.5	1924.2	1214.4	1098.3	482.8	41.2	22.7	17.5
33°	4741.0	4487.0	4363.3	4107.5	3910.9	2862.3	2208.9	821.6	54.0	25.6	18.0
29°	5793.3	5573.9	5389.1	5162.2	4827.2	3910.9	2811.6	1136.7	64.9	28.4	18.0
25.5°	5636.0	5457.8	5278.7	5111.0	4931.0	4318.3	3182.6	1364.1	75.3	31.7	18.0
22.5°	5367.8	5173.1	5007.3	4908.7	4806.8	4451.9	3380.7	1522.8	85.3	35.1	18.5
19.5°	5164.1	4990.7	4838.6	4738.1	4729.1	4475.6	3491.1	1651.7	97.1	40.7	18.5
17°	4979.3	4836.7	4714.9	4669.0	4691.7	4414.0	3571.6	1758.3	108.0	44.5	18.5
15°	4854.7	4742.4	4643.8	4632.9	4617.8	4344.4	3631.8	1848.8	117.0	46.4	18.5
13°	4798.3	4699.3	4622.5	4612.1	4524.4	4262.4	3664.5	1931.7	124.1	47.9	18.5
11°	4732.4	4666.6	4626.3	4543.9	4421.1	4159.1	3666.8	2003.8	131.2	50.2	18.5
9°	4743.8	4658.1	4594.1	4464.7	4320.2	4107.0	3666.8	2069.1	129.8	51.6	18.5
7°	4749.0	4669.0	4536.8	4386.1	4241.1	4055.4	3676.3	2134.1	123.7	53.5	18.5
5°	4773.7	4657.6	4508.3	4324.5	4176.2	4018.4	3645.5	2200.4	121.3	55.0	18.5
3°	4775.1	4656.6	4496.5	4263.4	4130.7	3983.3	3641.7	2257.2	120.8	55.4	19.0
1°	4776.5	4651.9	4459.5	4202.7	4091.8	3965.8	3636.5	2320.7	122.2	55.4	19.0
0°	4769.4	4630.6	4443.9	4187.6	4067.7	3952.5	3642.7	2354.4	123.2	54.5	19.0
-1°	4761.3	4601.7	4405.5	4166.2	4049.2	3947.3	3636.0	2387.5	123.2	54.0	19.0
-3°	4702.1	4554.3	4369.5	4146.3	4017.0	3916.1	3611.4	2444.4	127.0	54.0	19.0
-5°	4640.5	4501.2	4331.1	4092.8	3977.7	3877.7	3618.0	2478.0	128.9	54.0	19.0
-7°	4579.4	4433.9	4277.1	4069.1	3919.9	3819.9	3600.5	2521.6	129.4	53.5	19.0
-9°	4479.9	4353.9	4187.1	3982.4	3844.5	3777.2	3594.3	2543.4	130.3	53.5	19.0
-11°	4396.0	4246.3	4095.6	3906.6	3771.5	3706.6	3565.0	2540.6	131.2	53.1	19.0
-13°	4279.0	4145.4	4008.5	3830.3	3709.0	3626.1	3535.1	2523.5	130.8	53.5	19.0
-15°	4173.3	4042.6	3904.7	3764.9	3638.9	3540.8	3490.6	2484.7	130.8	53.5	19.0
-17°	4066.3	3939.8	3810.4	3675.8	3568.8	3490.6	3457.4	2411.2	129.8	53.1	19.0
-19.5°	3826.5	3730.3	3649.8	3576.3	3486.3	3394.9	3405.3	2278.1	126.5	53.1	19.0
-22.5°	3705.7	3607.6	3525.6	3451.7	3380.7	3290.2	3350.3	2076.2	121.3	52.1	19.0
-25.5°	3596.2	3501.9	3417.6	3344.2	3295.8	3240.4	3300.6	1814.7	116.1	51.2	19.0
-29°	3411.0	3333.3	3263.6	3190.7	3151.8	3128.6	3221.0	1465.0	112.3	49.3	18.5
-33°	3204.9	3138.5	3070.3	2971.8	2930.1	2930.5	3033.8	1027.2	109.9	46.4	18.5
-37.5°	3059.9	2986.4	2884.6	2775.6	2699.3	2713.1	2733.9	803.6	111.3	42.2	18.5
-42.5°	2827.2	2787.9	2664.7	2558.1	2418.8	2277.6	2067.2	600.3	97.6	35.1	18.5
-47.5°	1976.7	1919.9	1867.8	1808.5	1679.2	1445.6	1104.9	237.4	87.2	27.5	18.5
-55°	516.0	509.8	543.0	499.4	408.9	305.1	265.8	91.0	65.9	23.7	18.5
-65°	355.4	369.1	290.0	192.8	97.6	82.9	129.4	49.3	36.0	20.8	18.0
-75°	49.8	44.5	35.1	37.0	38.9	36.5	33.2	20.4	20.4	19.0	17.5
-85°	18.5	17.5	17.1	16.6	15.6	14.7	14.7	15.2	17.1	18.5	17.5
-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: P571663
CATALOG NUMBER: UFLD-CA2-80-740-U-66-TS2_UFLD

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)