

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: P571665

Luminaire Tested: **UFLD-CA2-80-760-U-66-TS2_UFLD**

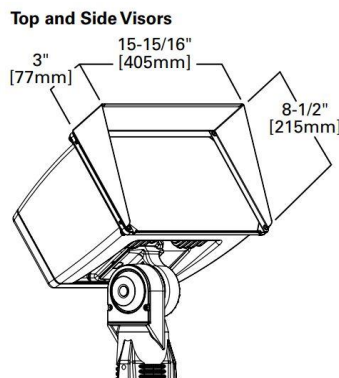
Issue Date: 9/21/2021

Test Information

Test Method: LM-79-08
Report Number: P571665
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-CA2-80-760-U-66-TS2_UFLD
Description: FLOOD LIGHT, 6x6 OPTIC WITH TOP AND SIDE VISOR
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

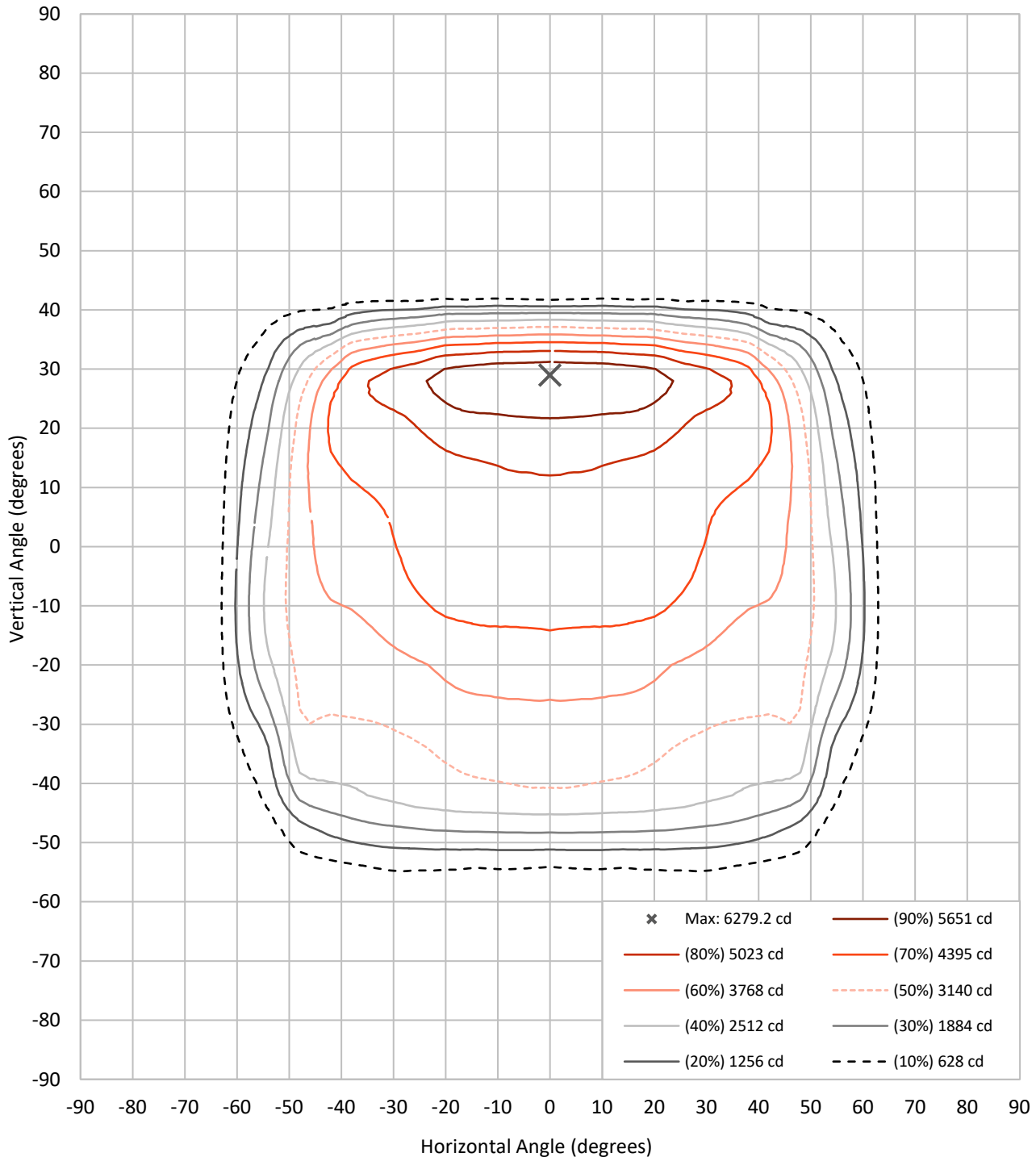
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	10378 lumens	Max Intensity:	6279.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	126.3 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:	7989.7 lumens	Field Lumens:	10113 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		



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CATALOG NUMBER: UFLD-CA2-80-760-U-66-TS2_UFLD

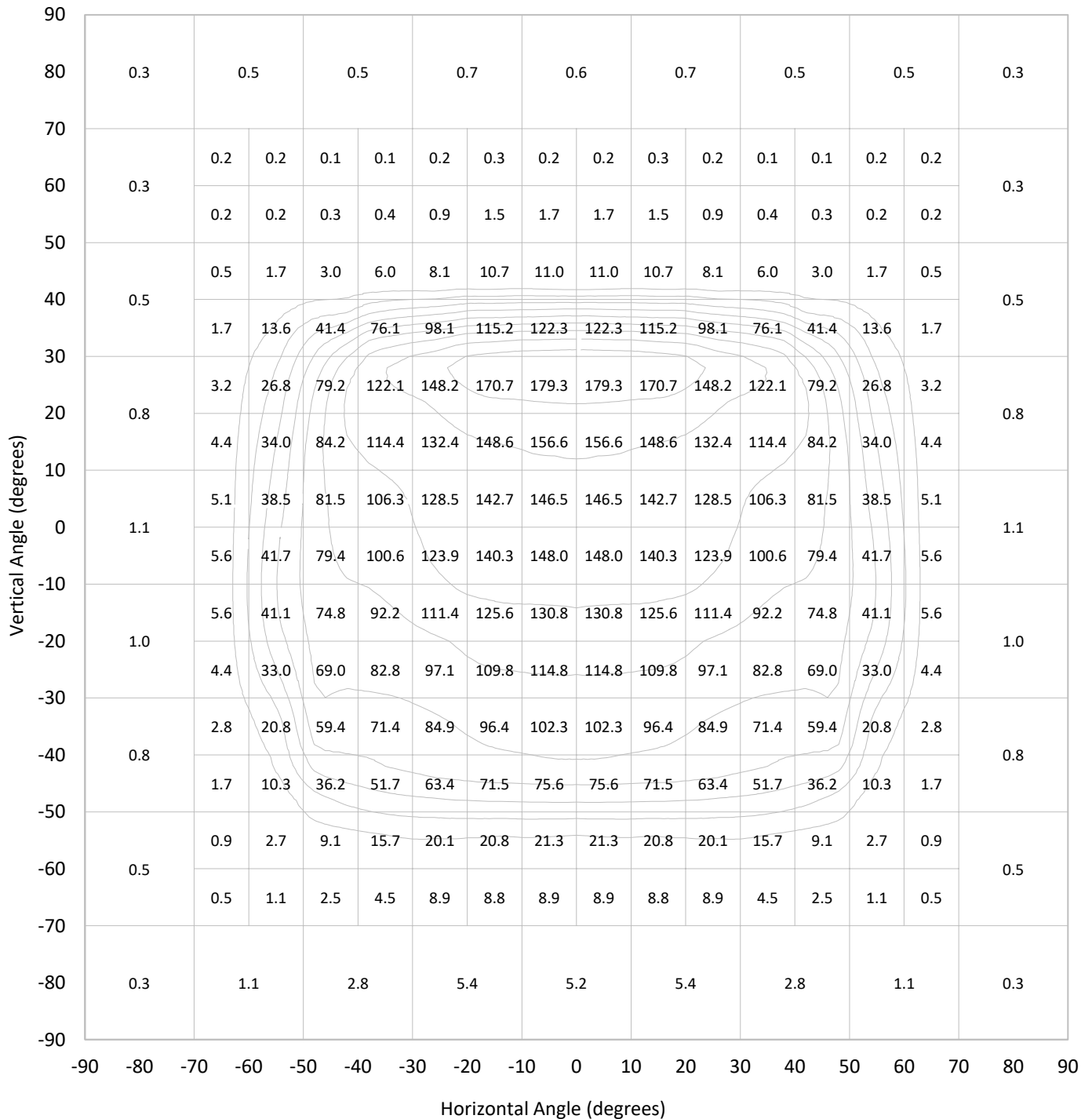
Iso-Candela Plot





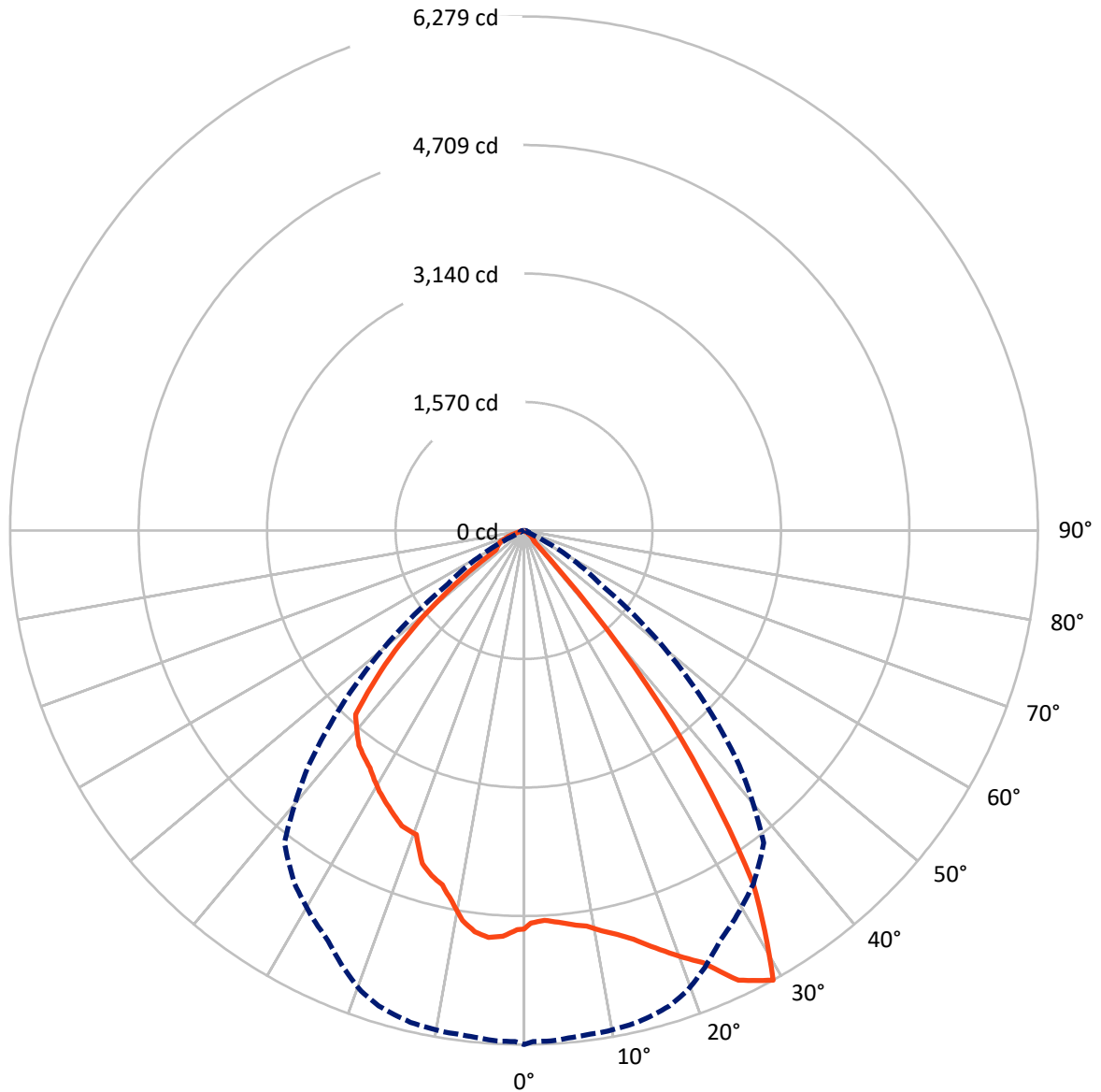
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 CATALOG NUMBER: UFLD-CA2-80-760-U-66-TS2_UFLD

Lumen Table



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CATALOG NUMBER: UFLD-CA2-80-760-U-66-TS2_UFLD

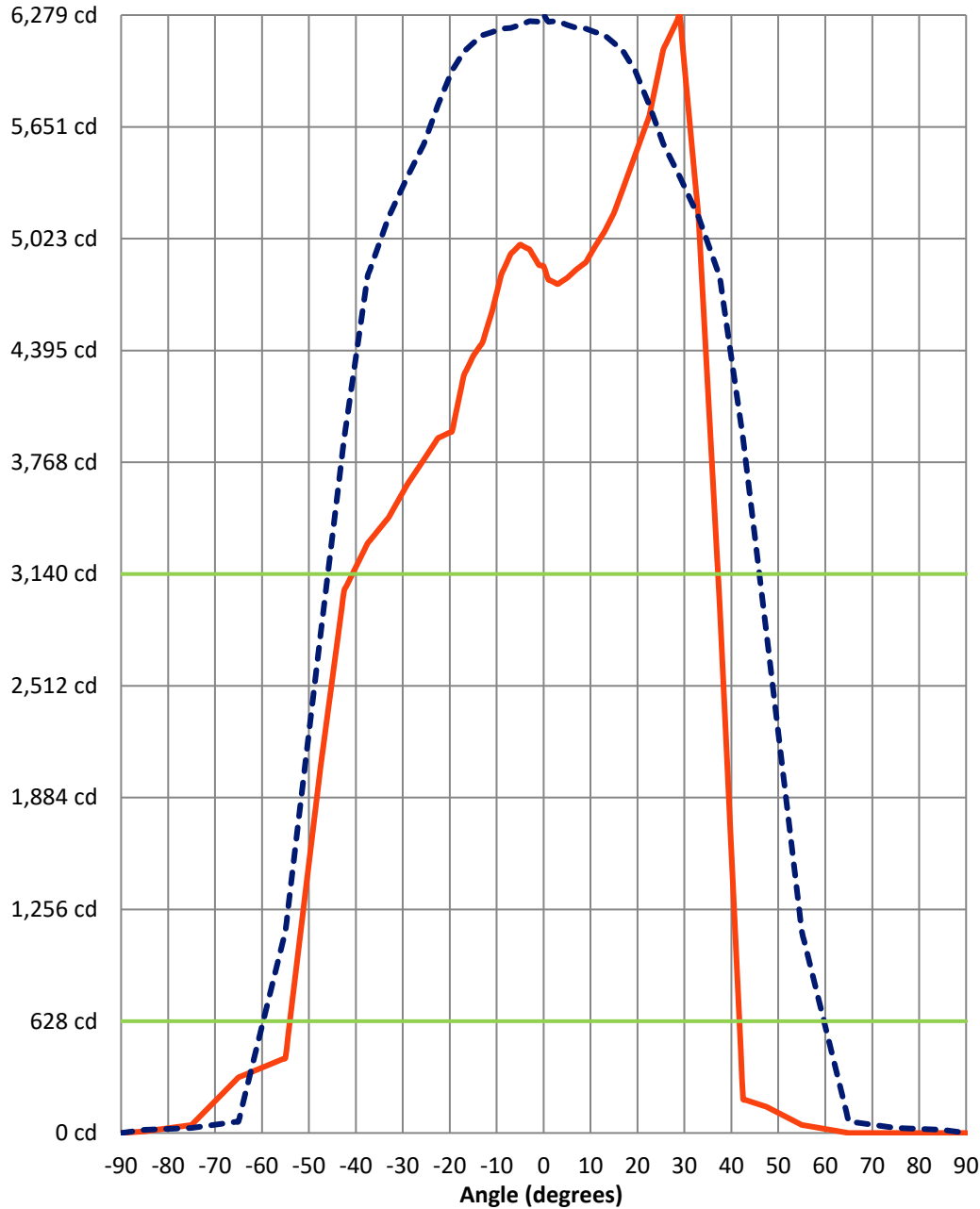
Luminous Intensity Polar Plot



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

REPORT NUMBER: P571665
 CATALOG NUMBER: UFLD-CA2-80-760-U-66-TS2_UFLD

Luminous Intensity Plot



Beam:
 H Angle: 91.9°
 V Angle: 77.9°
 Lumens: 7989.7
 Efficiency: 77.0%

Field:
 H Angle: 119.5°
 V Angle: 95.8°
 Lumens: 10113
 Efficiency: 97.4%

Spill:
 Lumens: 265
 Efficiency: 2.6%

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



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 CATALOG NUMBER: UFLD-CA2-80-760-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	9.4	10.4	10.4	11.3	11.3	10.9	10.4
75°	0.0	0.9	2.8	4.3	5.2	6.1	6.6	6.6	6.6	6.1	6.1
65°	0.0	0.5	1.9	2.8	3.8	4.3	4.3	4.7	4.7	4.7	4.3
55°	45.3	46.8	45.8	45.3	45.3	44.4	42.5	39.7	36.4	36.8	34.5
47.5°	146.9	145.5	145.9	145.0	143.6	139.3	137.0	135.1	133.7	133.2	127.0
42.5°	189.9	196.0	213.9	252.2	292.8	336.3	338.6	305.6	265.4	221.5	308.4
37.5°	2970.1	3015.9	2955.4	2939.4	2859.6	2876.6	2862.4	2817.5	2814.2	2839.7	2808.6
33°	5141.1	5158.1	5126.4	5117.9	5101.4	5101.4	5083.5	5003.2	4945.1	4909.2	4897.9
29°	6279.2	6242.4	6244.8	6224.0	6207.0	6202.7	6183.4	6165.9	6122.0	6073.3	5967.1
25.5°	6085.6	6066.7	6075.7	6041.2	6035.1	6009.6	6011.9	5988.3	5956.2	5905.7	5792.3
22.5°	5712.1	5714.4	5713.0	5695.0	5688.4	5665.3	5637.4	5632.2	5629.4	5592.6	5509.9
19.5°	5493.4	5470.3	5462.2	5474.0	5454.2	5424.9	5393.3	5372.0	5346.5	5336.1	5305.4
17°	5311.1	5286.5	5297.4	5280.4	5267.2	5228.9	5195.4	5166.6	5153.4	5134.9	5090.1
15°	5168.5	5149.1	5145.8	5133.1	5143.0	5096.2	5076.4	5051.8	5024.9	4998.0	4961.6
13°	5064.1	5068.8	5060.8	5027.3	5042.4	5005.1	4980.5	4949.3	4926.7	4902.1	4881.8
11°	4981.0	4987.1	4955.0	4953.6	4960.7	4912.0	4904.9	4868.6	4855.8	4858.2	4803.9
9°	4890.8	4904.5	4915.8	4900.7	4889.8	4870.5	4859.1	4845.9	4821.8	4825.6	4811.9
7°	4850.6	4839.3	4836.5	4858.2	4841.2	4822.8	4803.4	4810.5	4815.2	4828.4	4811.9
5°	4802.5	4809.1	4813.3	4800.1	4797.7	4804.8	4792.6	4806.7	4811.0	4905.4	4934.7
3°	4768.0	4792.6	4779.8	4763.7	4775.1	4785.9	4811.4	4813.8	4859.6	4914.9	4930.9
1°	4794.4	4811.9	4813.3	4813.3	4824.7	4859.6	4862.4	4876.6	4910.1	4933.3	4946.0
0°	4868.6	4857.7	4864.3	4854.4	4881.8	4899.8	4902.1	4890.8	4915.3	4993.7	4993.7
-1°	4876.1	4880.9	4900.2	4905.4	4898.3	4920.5	4886.1	4888.9	4900.7	4947.0	4903.5
-3°	4962.6	4964.0	4961.6	4963.5	4952.2	4946.0	4922.0	4902.6	4874.7	4830.8	4794.0
-5°	4990.0	4993.3	4981.0	4975.3	4949.8	4908.7	4896.0	4862.9	4817.6	4768.5	4733.0
-7°	4937.1	4938.0	4898.3	4909.2	4867.2	4819.9	4787.4	4741.5	4709.0	4661.3	4625.8
-9°	4821.8	4804.8	4777.4	4768.9	4729.3	4671.2	4626.8	4592.3	4575.8	4547.9	4555.9
-11°	4613.1	4599.4	4600.8	4577.7	4547.4	4521.9	4500.2	4486.1	4476.1	4464.3	4447.3
-13°	4441.2	4434.1	4410.5	4417.6	4402.5	4407.7	4412.4	4406.7	4394.9	4379.3	4354.8
-15°	4364.2	4358.5	4348.1	4340.1	4338.7	4338.7	4336.8	4334.5	4324.1	4285.3	4247.6
-17°	4254.2	4240.0	4239.1	4236.7	4231.5	4234.3	4228.7	4218.7	4215.9	4189.9	4153.1
-19.5°	3941.1	3948.1	3947.2	3957.6	3946.3	3965.6	3972.7	3973.2	3958.5	3942.0	3911.3
-22.5°	3902.8	3881.1	3883.9	3890.1	3879.2	3874.9	3873.0	3874.9	3860.3	3840.9	3791.3
-25.5°	3782.8	3791.3	3791.8	3779.5	3781.4	3783.3	3761.1	3759.7	3745.1	3723.8	3670.0
-29°	3644.5	3649.7	3637.9	3638.8	3619.0	3610.5	3584.5	3569.4	3545.3	3531.1	3478.7
-33°	3457.9	3469.7	3458.9	3455.6	3436.2	3421.1	3399.4	3388.5	3350.3	3315.8	3276.6
-37.5°	3311.5	3298.3	3295.0	3301.6	3276.1	3267.6	3246.8	3228.9	3202.0	3168.4	3118.8
-42.5°	3045.2	3062.2	3056.0	3036.7	3025.8	2993.7	2980.9	2964.9	2954.5	2949.3	2893.1
-47.5°	2058.6	2067.6	2064.7	2058.1	2051.0	2048.2	2034.5	2023.7	2021.3	2012.8	1985.9
-55°	421.3	432.1	440.2	460.0	468.5	480.8	469.4	448.2	444.4	488.8	485.0
-65°	312.2	310.8	309.3	307.9	305.6	304.6	307.0	308.9	307.4	313.6	325.9
-75°	44.9	44.4	45.8	46.3	43.0	43.0	50.1	48.6	50.5	50.5	51.0
-85°	9.0	8.0	9.0	13.2	13.7	15.6	17.0	18.4	18.9	18.9	18.9
-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: P571665
 CATALOG NUMBER: UFLD-CA2-80-760-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°	9.4	8.5	7.6	6.6	5.7	6.1	7.1	9.0	12.8	14.6	16.1
75°	5.7	5.2	4.7	4.7	4.7	5.7	6.6	8.5	12.3	14.2	16.5
65°	4.3	3.8	3.3	3.3	3.3	4.3	6.6	9.0	12.8	14.6	16.5
55°	31.2	22.7	12.8	13.2	13.2	13.7	14.2	11.8	14.6	16.1	17.0
47.5°	108.1	76.5	46.3	36.4	36.4	31.6	27.4	20.8	26.9	17.5	17.0
42.5°	303.2	138.8	222.9	238.5	206.9	92.6	121.8	138.4	34.5	19.8	17.5
37.5°	2579.0	2469.5	2322.1	2199.3	1917.9	1210.4	1094.7	481.2	41.1	22.7	17.5
33°	4725.5	4472.4	4349.1	4094.1	3898.1	2853.0	2201.7	818.9	53.8	25.5	17.9
29°	5774.4	5555.7	5371.5	5145.3	4811.4	3898.1	2802.4	1133.0	64.7	28.3	17.9
25.5°	5617.6	5440.0	5261.5	5094.3	4914.9	4304.2	3172.2	1359.7	75.1	31.6	17.9
22.5°	5350.3	5156.2	4990.9	4892.7	4791.1	4437.4	3369.6	1517.9	85.0	34.9	18.4
19.5°	5147.2	4974.4	4822.8	4722.7	4713.7	4461.0	3479.7	1646.3	96.8	40.6	18.4
17°	4963.0	4820.9	4699.5	4653.7	4676.4	4399.6	3559.9	1752.6	107.7	44.4	18.4
15°	4838.8	4726.9	4628.7	4617.8	4602.7	4330.2	3619.9	1842.8	116.6	46.3	18.4
13°	4782.6	4683.9	4607.4	4597.0	4509.7	4248.5	3652.5	1925.4	123.7	47.7	18.4
11°	4717.0	4651.3	4611.2	4529.0	4406.7	4145.5	3654.9	1997.2	130.8	50.1	18.4
9°	4728.3	4642.8	4579.1	4450.2	4306.1	4093.6	3654.9	2062.4	129.4	51.5	18.4
7°	4733.5	4653.7	4521.9	4371.8	4227.2	4042.1	3664.3	2127.1	123.3	53.4	18.4
5°	4758.1	4642.4	4493.6	4310.4	4162.5	4005.3	3633.6	2193.2	120.9	54.8	18.4
3°	4759.5	4641.4	4481.8	4249.4	4117.2	3970.3	3629.8	2249.9	120.4	55.3	18.9
1°	4760.9	4636.7	4445.0	4189.0	4078.5	3952.9	3624.6	2313.2	121.8	55.3	18.9
0°	4753.8	4615.5	4429.4	4173.9	4054.4	3939.6	3630.8	2346.7	122.8	54.3	18.9
-1°	4745.8	4586.6	4391.1	4152.6	4036.0	3934.4	3624.2	2379.7	122.8	53.8	18.9
-3°	4686.8	4539.4	4355.2	4132.8	4003.9	3903.3	3599.6	2436.4	126.6	53.8	18.9
-5°	4625.4	4486.5	4317.0	4079.4	3964.7	3865.0	3606.2	2469.9	128.5	53.8	18.9
-7°	4564.4	4419.5	4263.1	4055.8	3907.1	3807.4	3588.7	2513.4	128.9	53.4	18.9
-9°	4465.3	4339.6	4173.4	3969.4	3832.0	3764.9	3582.6	2535.1	129.9	53.4	18.9
-11°	4381.7	4232.4	4082.3	3893.8	3759.2	3694.5	3553.3	2532.3	130.8	52.9	18.9
-13°	4265.0	4131.9	3995.4	3817.8	3696.9	3614.2	3523.6	2515.3	130.3	53.4	18.9
-15°	4159.7	4029.4	3891.9	3752.6	3627.0	3529.2	3479.2	2476.6	130.3	53.4	18.9
-17°	4053.0	3926.9	3798.0	3663.8	3557.1	3479.2	3446.1	2403.4	129.4	52.9	18.9
-19.5°	3814.0	3718.1	3637.9	3564.7	3474.9	3383.8	3394.2	2270.7	126.1	52.9	18.9
-22.5°	3693.6	3595.8	3514.1	3440.5	3369.6	3279.4	3339.4	2069.5	120.9	51.9	18.9
-25.5°	3584.5	3490.5	3406.5	3333.2	3285.1	3229.8	3289.8	1808.8	115.7	51.0	18.9
-29°	3399.8	3322.4	3253.0	3180.2	3141.5	3118.4	3210.5	1460.2	111.9	49.1	18.4
-33°	3194.4	3128.3	3060.3	2962.0	2920.5	2921.0	3023.9	1023.9	109.6	46.3	18.4
-37.5°	3049.9	2976.7	2875.2	2766.5	2690.5	2704.2	2725.0	801.0	111.0	42.0	18.4
-42.5°	2818.0	2778.8	2656.0	2549.8	2410.9	2270.2	2060.5	598.4	97.3	34.9	18.4
-47.5°	1970.3	1913.6	1861.7	1802.6	1673.7	1440.9	1101.3	236.6	86.9	27.4	18.4
-55°	514.3	508.2	541.2	497.8	407.6	304.1	264.9	90.7	65.6	23.6	18.4
-65°	354.2	367.9	289.0	192.2	97.3	82.6	128.9	49.1	35.9	20.8	17.9
-75°	49.6	44.4	34.9	36.8	38.7	36.4	33.1	20.3	20.3	18.9	17.5
-85°	18.4	17.5	17.0	16.5	15.6	14.6	14.6	15.1	17.0	18.4	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



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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)