

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: P507794

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

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507794
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-CA2-80-760-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

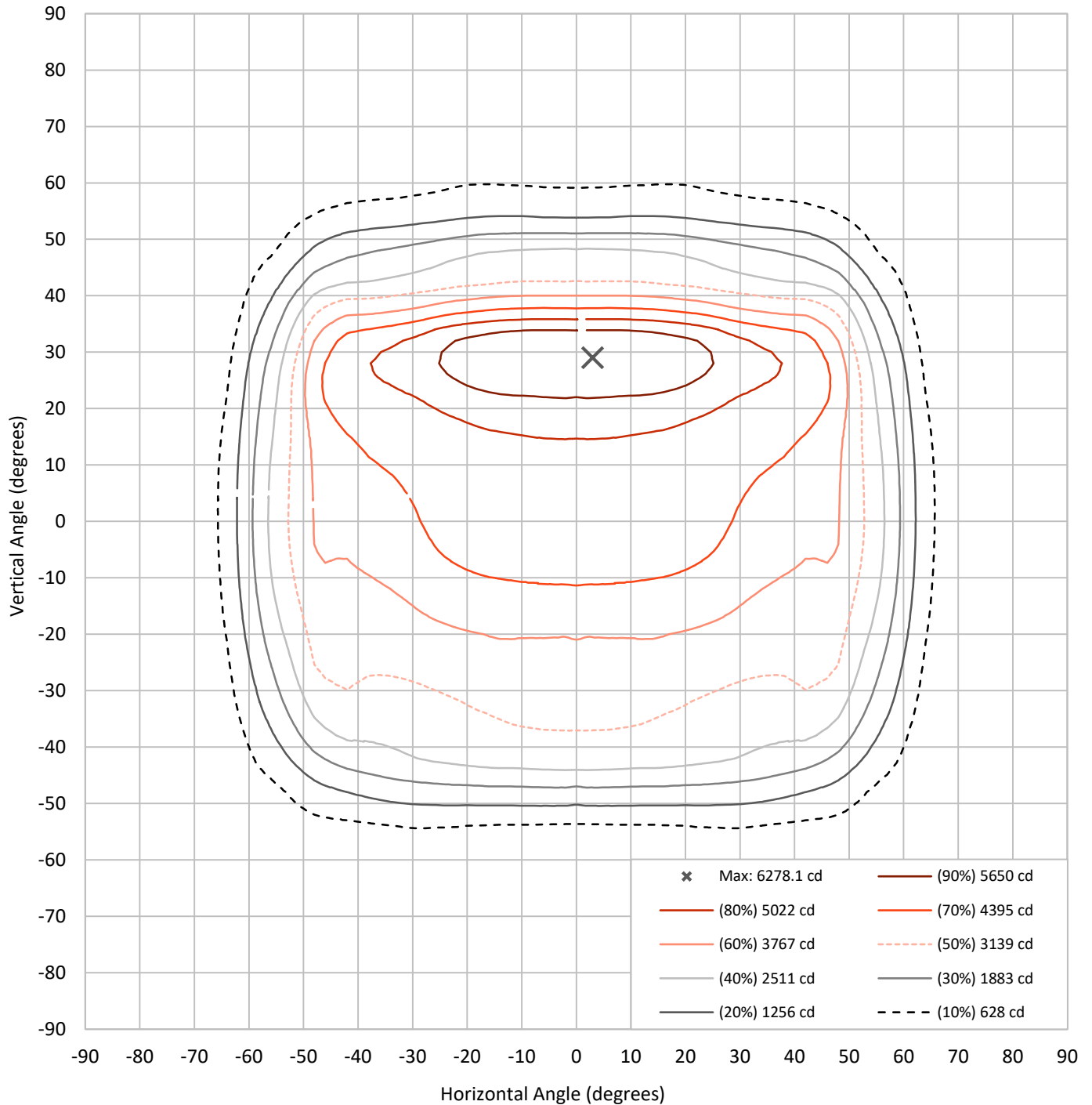
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	11764 lumens	Max Intensity:	6278.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	143.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	8740.7 lumens	Field Lumens:	11368.5 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
Input Watts (W):	82.2		
Input Voltage (V):	120		
Input Current (A _{in}):	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		



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Iso-Candela Plot

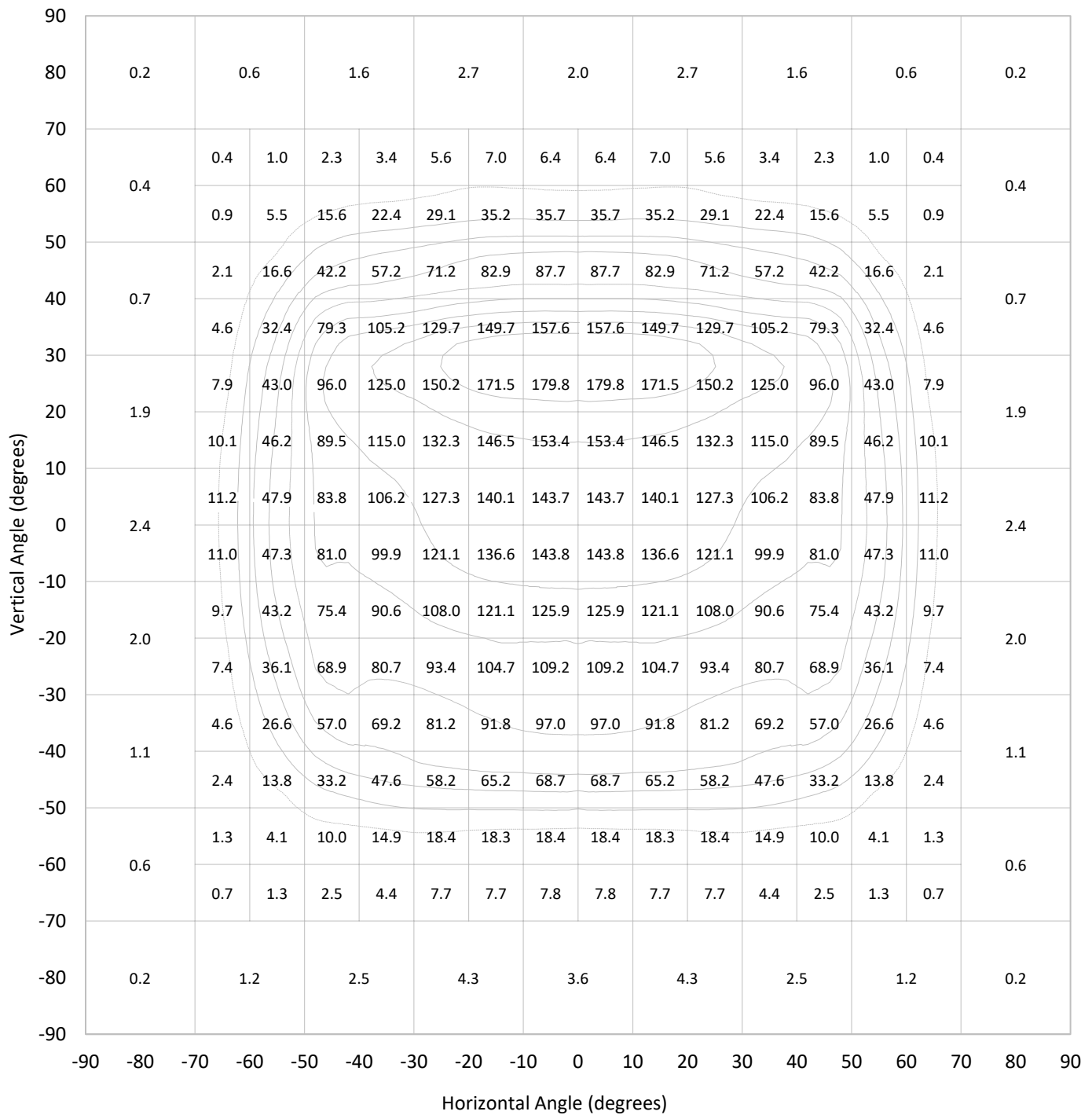




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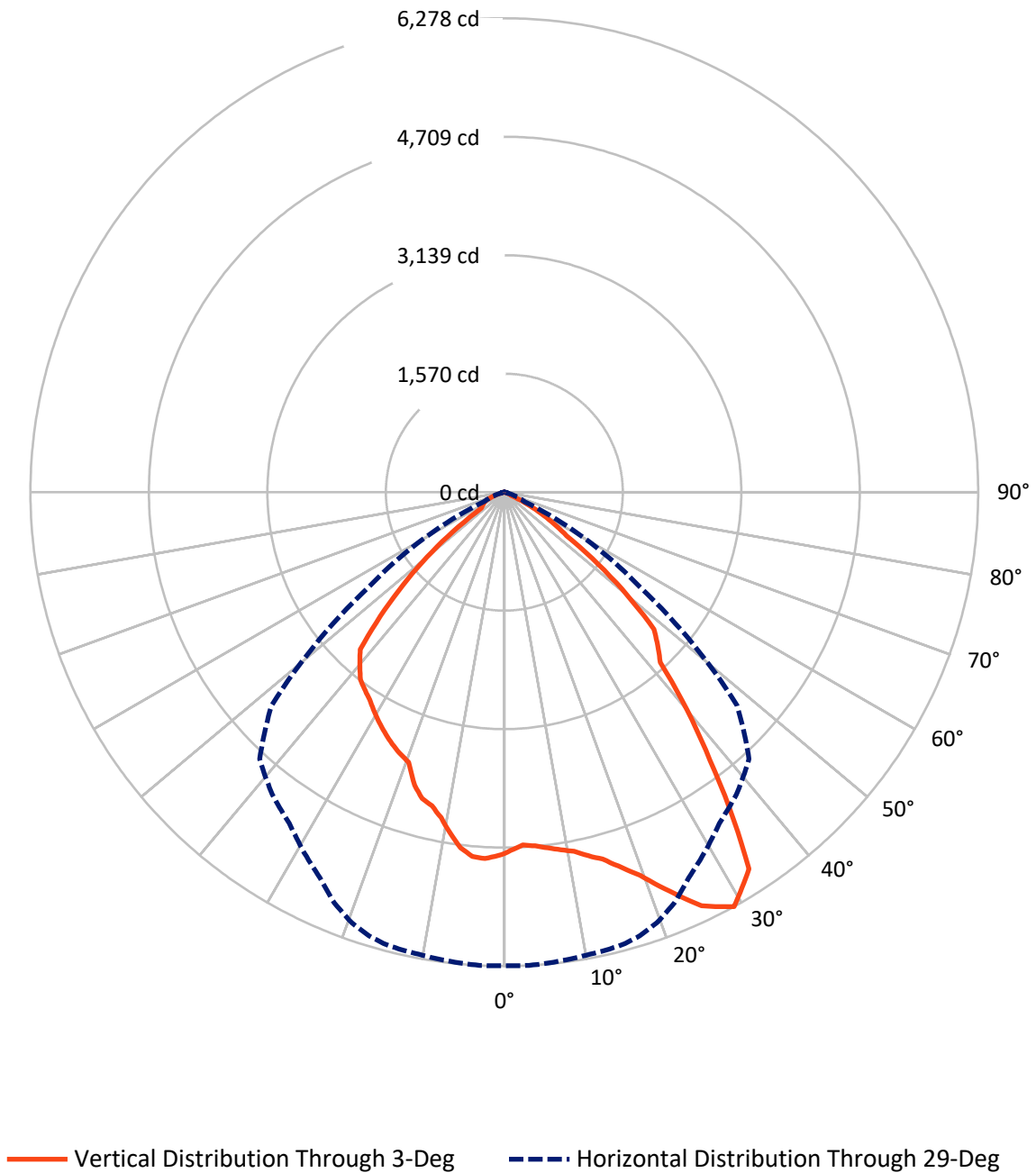
Lumen Table



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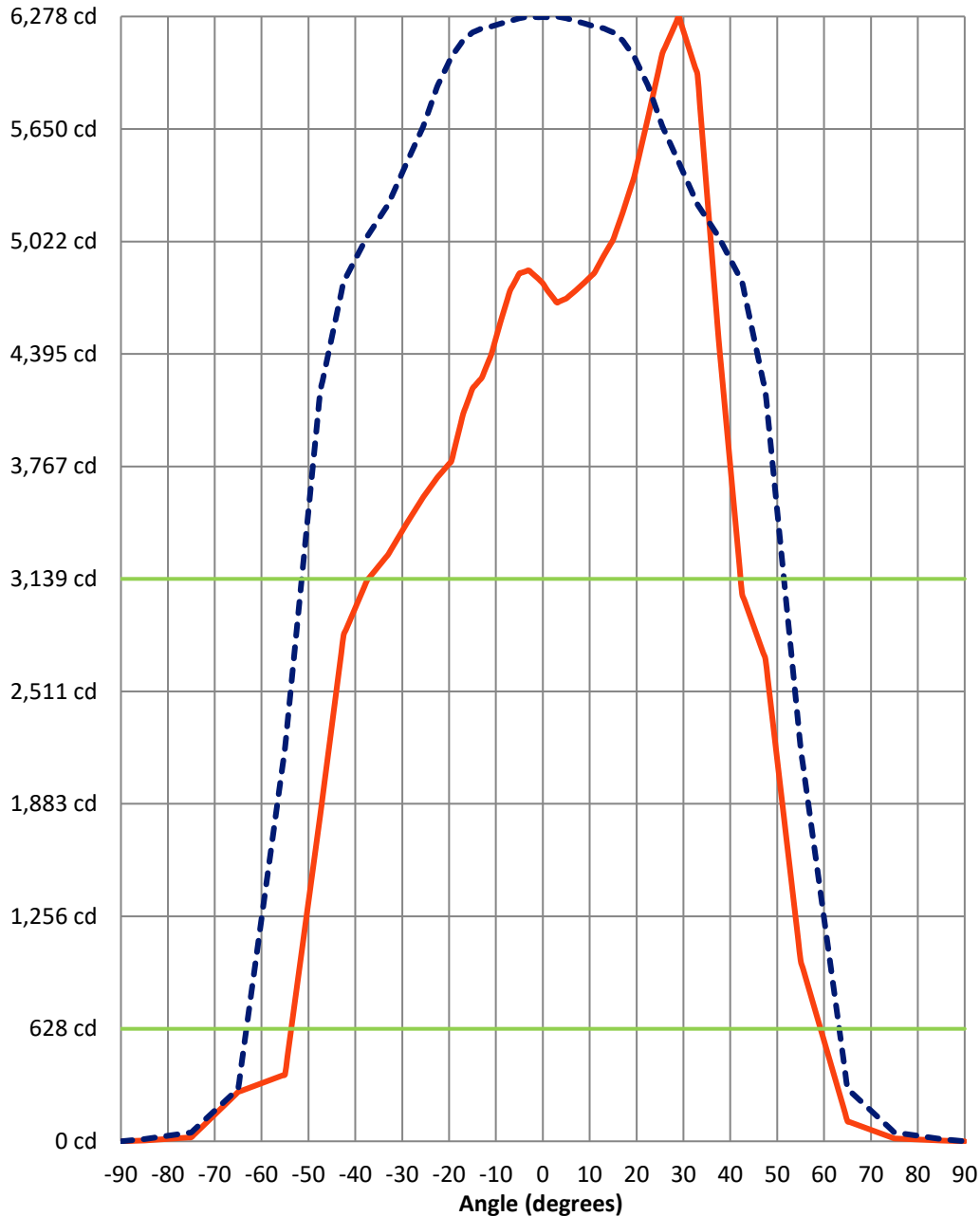
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 8740.7
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 11368.5
 Efficiency: 96.6%

Spill:
 Lumens: 395.5
 Efficiency: 3.4%

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



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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°	0.2	2.0	4.2	9.9	12.9	15.2	16.7	17.4	17.6	17.6	16.9
75°	14.7	14.9	15.9	14.4	11.4	12.4	18.1	20.6	22.9	23.6	22.4
65°	113.3	112.6	111.8	111.1	107.9	103.1	101.4	111.3	136.7	163.0	176.0
55°	989.2	985.7	1009.0	992.6	1024.9	1056.0	1067.2	1070.4	1074.2	1055.3	1029.7
47.5°	2681.6	2705.0	2690.3	2688.4	2671.5	2645.1	2629.2	2603.4	2580.7	2576.0	2498.7
42.5°	3077.1	3066.6	3056.9	3078.6	3066.1	3076.6	3075.3	3049.0	3030.6	2992.8	2955.0
37.5°	4459.6	4467.3	4477.0	4479.0	4485.0	4459.9	4442.5	4424.1	4388.8	4328.7	4242.4
33°	5954.3	5968.0	5951.6	5950.6	5963.7	5957.8	5932.2	5908.3	5855.9	5785.3	5705.3
29°	6274.7	6273.9	6278.1	6268.2	6253.0	6238.4	6222.5	6211.8	6188.9	6144.9	6053.2
25.5°	6061.4	6064.9	6072.1	6066.4	6047.3	6036.6	6022.9	6004.3	5964.5	5917.3	5839.2
22.5°	5704.3	5731.6	5720.9	5713.7	5697.3	5671.2	5676.4	5658.8	5628.0	5579.8	5497.8
19.5°	5372.7	5386.4	5383.7	5363.8	5353.6	5332.2	5322.3	5309.4	5283.3	5253.4	5197.5
17°	5160.5	5185.8	5180.4	5168.2	5152.3	5138.1	5120.2	5109.3	5087.9	5055.1	4987.3
15°	5034.5	5045.9	5032.5	5030.0	5032.3	5004.2	4992.7	4964.9	4958.2	4930.6	4870.7
13°	4928.1	4933.8	4942.8	4928.6	4926.1	4916.2	4892.3	4880.7	4857.3	4846.1	4802.9
11°	4844.6	4883.6	4846.9	4857.0	4845.6	4844.1	4830.7	4824.2	4806.8	4789.7	4763.1
9°	4801.1	4807.8	4796.2	4795.7	4790.4	4781.0	4777.8	4777.3	4773.8	4764.3	4747.9
7°	4747.9	4753.7	4748.2	4742.7	4738.7	4734.8	4745.9	4749.7	4765.8	4752.4	4736.8
5°	4711.6	4706.2	4704.2	4703.2	4713.1	4713.1	4735.0	4747.4	4762.6	4766.8	4746.4
3°	4680.6	4687.3	4681.3	4688.5	4708.2	4718.6	4747.9	4766.1	4776.0	4776.3	4768.1
1°	4728.8	4745.2	4748.4	4753.4	4760.6	4767.1	4788.9	4805.1	4794.4	4794.9	4761.6
0°	4774.0	4780.5	4788.9	4783.2	4792.7	4798.4	4814.0	4817.3	4813.1	4794.2	4749.4
-1°	4821.5	4820.0	4815.3	4814.3	4816.5	4809.8	4818.5	4807.8	4795.2	4778.3	4736.3
-3°	4855.5	4868.0	4861.3	4853.6	4829.2	4829.2	4819.5	4779.7	4762.6	4745.0	4685.8
-5°	4827.0	4842.9	4843.9	4819.3	4781.5	4771.5	4740.7	4716.9	4687.0	4658.2	4598.6
-7°	4763.3	4754.9	4747.4	4715.6	4690.8	4667.4	4626.4	4584.9	4577.2	4549.9	4497.4
-9°	4587.9	4593.8	4576.2	4567.8	4540.4	4510.1	4498.2	4468.6	4452.9	4428.6	4380.4
-11°	4413.7	4389.8	4391.5	4397.5	4378.1	4378.4	4365.4	4347.6	4345.3	4322.2	4281.4
-13°	4276.2	4274.5	4262.8	4272.7	4269.0	4269.5	4257.3	4255.1	4250.9	4235.0	4180.0
-15°	4185.5	4200.2	4201.7	4193.2	4195.2	4190.5	4186.0	4175.3	4172.1	4147.0	4089.6
-17°	4053.5	4058.5	4059.8	4059.0	4052.8	4057.8	4063.2	4059.0	4043.3	4024.2	3978.0
-19.5°	3809.5	3789.6	3796.6	3803.5	3805.5	3805.3	3813.2	3826.6	3814.2	3789.1	3750.8
-22.5°	3722.5	3718.3	3705.3	3709.6	3707.6	3701.4	3701.4	3702.4	3695.2	3668.8	3616.6
-25.5°	3592.0	3598.0	3596.0	3593.3	3592.8	3581.6	3582.1	3583.8	3569.6	3540.6	3493.6
-29°	3448.1	3452.1	3450.6	3443.9	3434.7	3414.6	3406.1	3387.2	3362.1	3346.0	3307.9
-33°	3284.3	3274.4	3274.9	3273.9	3261.7	3250.0	3235.9	3212.3	3186.4	3166.3	3126.0
-37.5°	3130.0	3135.7	3130.5	3132.2	3125.3	3113.6	3100.9	3083.0	3057.7	3028.6	2988.6
-42.5°	2835.2	2831.0	2824.6	2810.4	2804.7	2777.6	2760.9	2761.4	2755.7	2733.6	2695.6
-47.5°	1760.1	1806.8	1817.5	1808.3	1799.4	1795.6	1776.7	1775.3	1776.7	1764.8	1735.5
-55°	363.6	362.4	372.8	380.3	395.7	401.6	404.6	393.7	405.9	431.0	443.1
-65°	280.1	279.1	275.1	274.9	271.1	269.7	269.4	266.9	268.7	276.1	284.6
-75°	21.9	21.9	22.1	19.6	18.1	20.4	26.6	28.6	31.6	30.3	33.8
-85°	0.7	2.2	4.5	10.4	13.4	15.4	16.9	17.6	17.6	17.4	17.1
-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):

	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°	15.7	14.7	13.9	12.9	11.2	9.4	8.2	7.0	8.0	7.0	8.5
75°	20.1	20.4	25.6	32.1	28.8	19.4	13.4	11.2	14.7	8.5	9.2
65°	153.3	98.9	61.4	46.2	37.5	31.8	39.0	29.6	27.3	13.7	9.7
55°	966.3	901.9	854.7	794.6	774.9	719.5	582.1	236.8	43.5	22.1	10.4
47.5°	2415.0	2306.9	2184.8	2048.1	1930.3	1767.3	1447.9	633.5	52.2	28.6	11.2
42.5°	2889.2	2766.1	2692.3	2592.7	2482.3	2445.8	2202.5	1091.1	53.7	32.6	11.4
37.5°	4168.6	4030.9	3841.3	3694.9	3579.1	3562.4	3106.4	1540.1	85.5	37.5	11.9
33°	5551.7	5349.9	5088.4	4862.5	4665.7	4489.0	3806.3	1901.8	199.1	43.2	12.2
29°	5888.7	5665.5	5464.0	5229.3	5048.4	4797.4	4181.5	2195.5	292.8	49.5	12.4
25.5°	5679.7	5512.4	5316.3	5131.9	4996.5	4821.3	4343.6	2359.8	368.6	55.2	12.7
22.5°	5371.3	5224.4	5061.3	4944.0	4870.5	4735.0	4331.1	2450.8	429.0	60.1	12.9
19.5°	5100.4	4998.0	4866.2	4793.7	4761.9	4599.1	4206.1	2542.0	483.4	65.4	13.2
17°	4913.0	4824.7	4737.7	4703.4	4671.6	4461.4	4092.3	2605.8	527.9	68.1	13.4
15°	4803.4	4739.5	4677.1	4652.5	4592.6	4340.3	4016.5	2648.3	558.9	70.3	13.7
13°	4750.9	4708.9	4653.2	4606.5	4504.4	4231.0	3960.6	2698.3	584.3	72.3	13.7
11°	4722.1	4683.1	4608.5	4539.4	4395.8	4134.3	3927.5	2741.3	605.2	73.3	13.9
9°	4705.7	4658.7	4567.8	4446.0	4307.0	4050.3	3907.9	2772.4	622.6	73.8	14.2
7°	4710.9	4633.9	4515.3	4375.4	4226.3	3998.6	3890.8	2795.0	634.5	73.6	14.4
5°	4709.2	4608.8	4472.3	4328.9	4163.9	3950.4	3877.6	2812.9	640.0	72.8	14.7
3°	4700.0	4596.3	4433.8	4261.1	4108.2	3911.9	3871.6	2824.3	644.9	72.1	14.7
1°	4685.3	4566.3	4384.3	4222.8	4069.2	3875.6	3865.2	2829.0	643.7	71.3	14.7
0°	4670.6	4551.8	4368.2	4202.9	4051.3	3856.0	3855.7	2841.0	641.5	70.8	14.7
-1°	4646.8	4520.8	4339.8	4173.3	4027.9	3859.4	3856.2	2830.3	639.0	70.1	14.9
-3°	4581.4	4463.6	4293.1	4129.1	3985.2	3834.1	3847.8	2819.8	634.5	69.3	15.2
-5°	4507.4	4393.3	4240.4	4077.6	3935.7	3796.1	3828.4	2790.5	624.1	68.8	15.2
-7°	4413.2	4327.4	4164.1	4006.1	3871.6	3741.9	3791.8	2762.2	612.6	68.3	15.4
-9°	4316.7	4227.0	4081.6	3924.3	3800.8	3696.9	3741.9	2718.2	597.5	67.8	15.4
-11°	4218.3	4125.9	3980.7	3834.6	3716.8	3626.3	3689.2	2669.0	580.6	67.8	15.7
-13°	4100.5	4016.0	3884.3	3752.8	3639.7	3572.9	3632.5	2606.8	559.9	68.1	15.7
-15°	4009.8	3919.6	3793.3	3670.3	3567.7	3518.0	3566.4	2527.6	540.3	68.6	15.9
-17°	3901.7	3823.6	3708.3	3593.5	3500.8	3465.0	3500.3	2447.3	515.0	68.8	15.9
-19.5°	3690.7	3619.6	3546.5	3471.0	3410.1	3398.7	3415.8	2341.9	480.7	69.3	15.9
-22.5°	3548.8	3476.7	3397.2	3338.5	3296.8	3336.0	3314.4	2195.8	431.9	70.1	15.9
-25.5°	3432.5	3366.1	3286.6	3230.2	3206.3	3292.3	3221.2	2037.7	377.5	70.1	15.9
-29°	3253.0	3195.1	3123.8	3070.4	3057.4	3191.4	3040.5	1855.0	313.4	69.1	15.9
-33°	3056.4	2991.3	2919.2	2862.3	2838.2	3018.7	2742.5	1636.1	233.4	66.4	15.9
-37.5°	2931.2	2858.4	2777.8	2688.4	2633.9	2658.5	2344.1	1321.9	135.7	61.6	15.7
-42.5°	2628.2	2583.5	2484.3	2387.6	2245.0	2074.2	1747.9	948.1	103.6	55.9	15.7
-47.5°	1737.7	1704.9	1673.1	1612.2	1476.3	1298.8	1091.5	525.1	98.7	49.0	15.4
-55°	480.2	486.9	515.7	480.4	420.0	368.1	357.1	160.3	90.7	37.5	14.7
-65°	301.5	305.7	249.3	176.5	119.3	91.2	92.5	61.4	60.4	21.9	13.7
-75°	36.8	37.0	31.1	29.6	29.8	34.0	35.5	29.6	23.9	12.4	12.7
-85°	16.7	16.4	15.9	15.4	15.2	14.4	13.4	12.2	11.2	11.4	11.4
-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)