

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: P507792

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

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507792
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-CA2-80-740-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

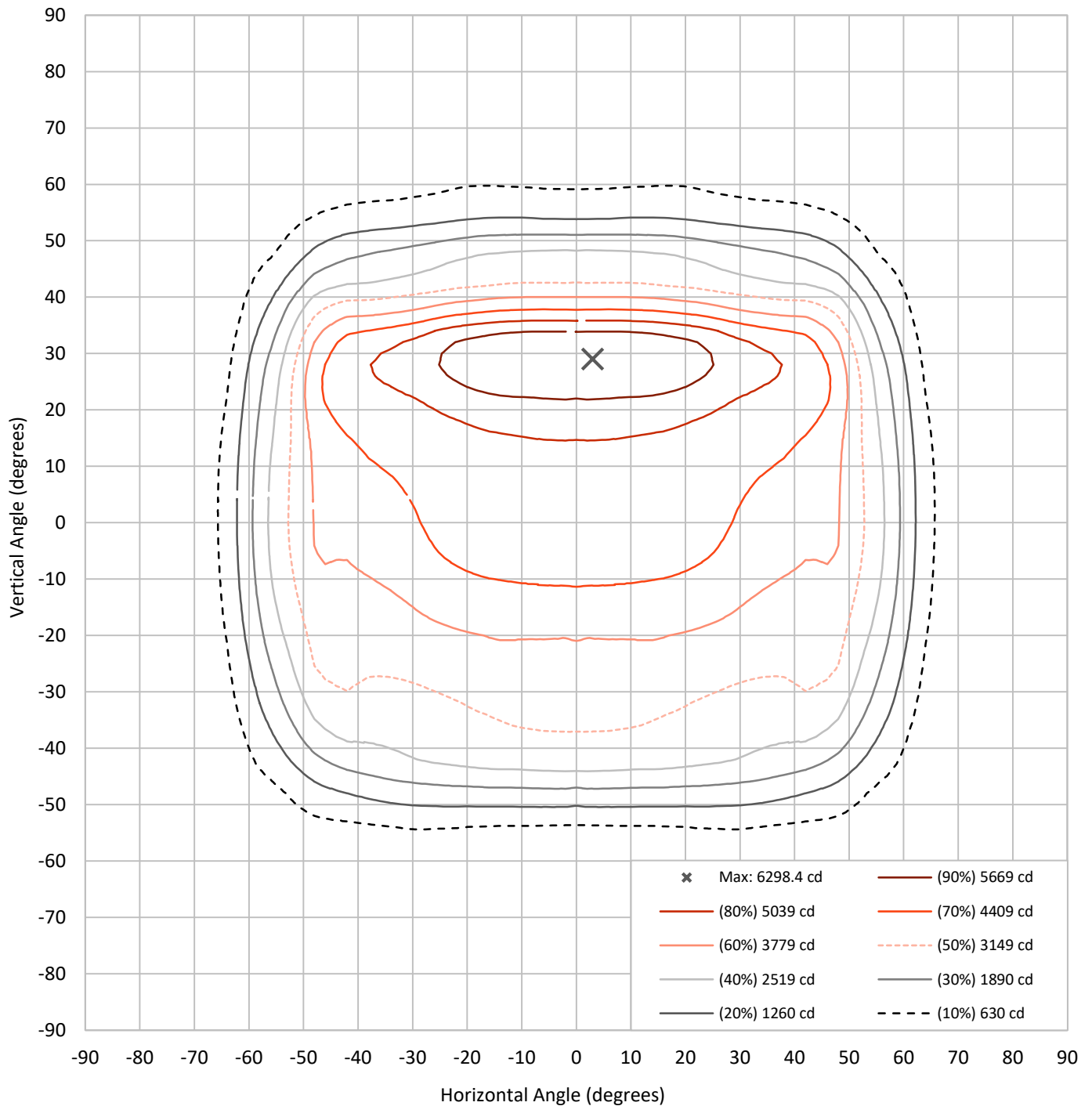
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	11802 lumens	Max Intensity:	6298.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	143.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	8768.9 lumens	Field Lumens:	11405.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%
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:	24 FT		



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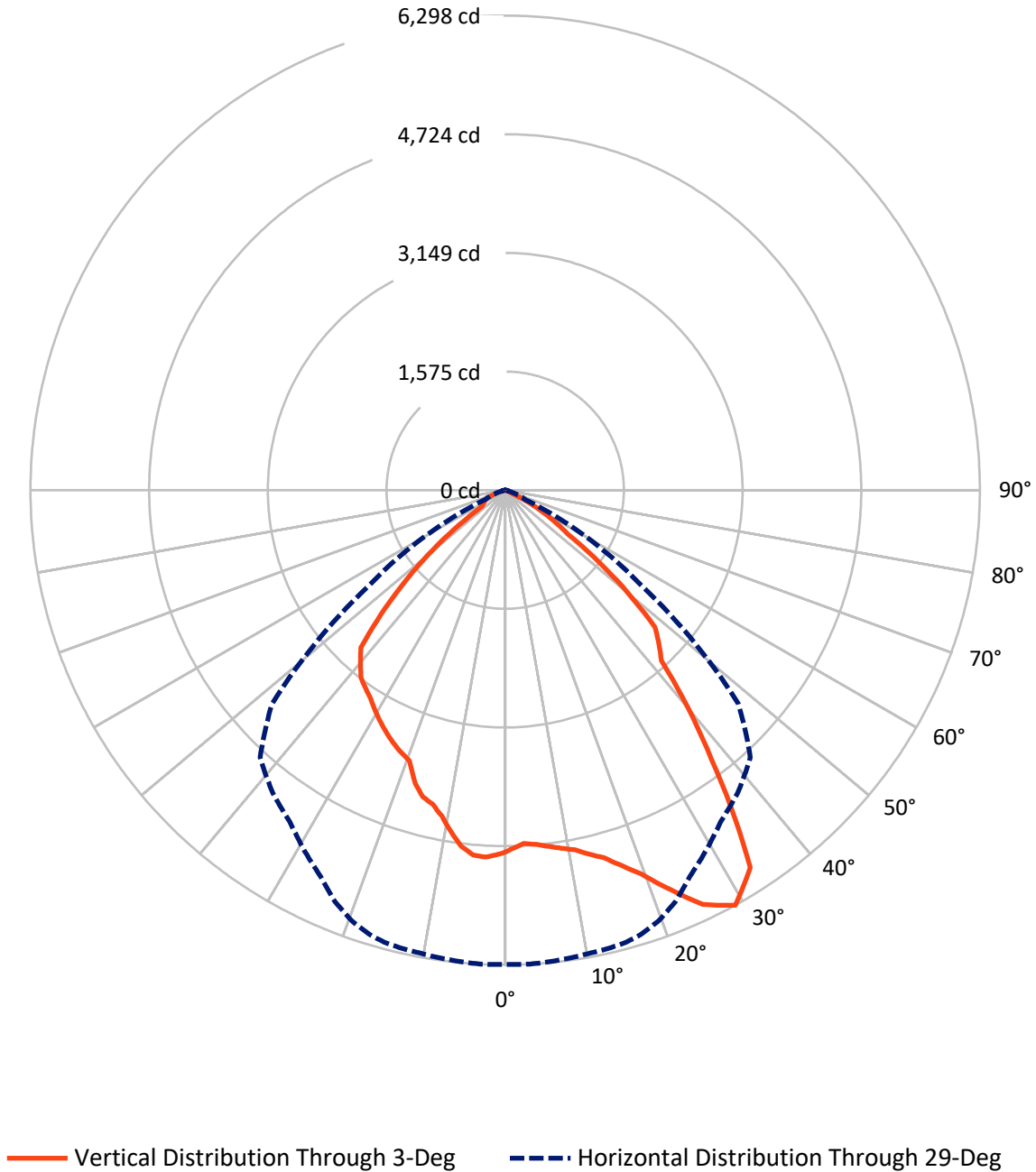
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Iso-Candela Plot



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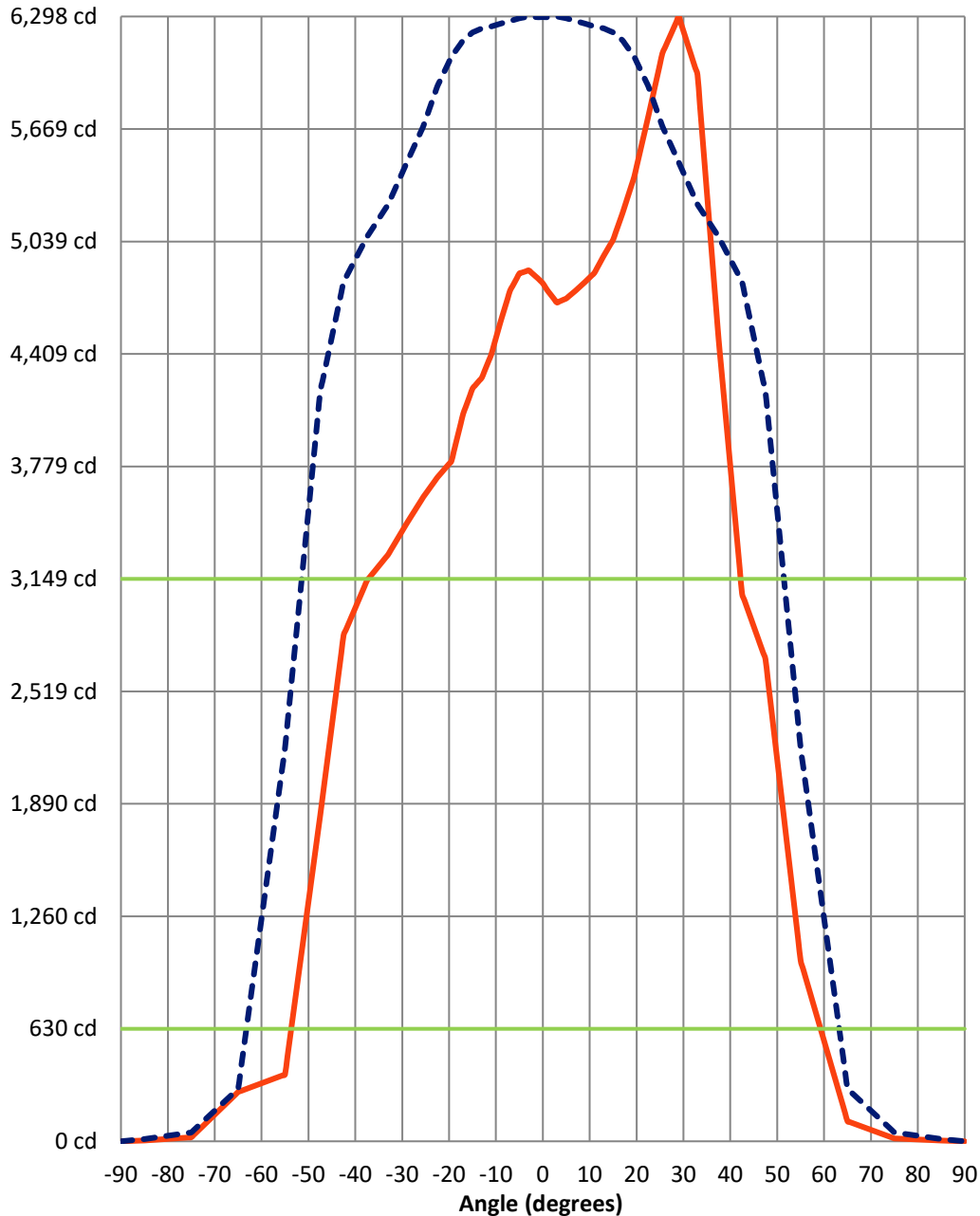
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 8768.9
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 11405.3
 Efficiency: 96.6%

Spill:
 Lumens: 396.7
 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	10.0	13.0	15.2	16.7	17.5	17.7	17.7	17.0
75°	14.7	15.0	16.0	14.5	11.5	12.5	18.2	20.7	22.9	23.7	22.4
65°	113.7	112.9	112.2	111.5	108.2	103.5	101.7	111.7	137.1	163.6	176.5
55°	992.3	988.9	1012.3	995.8	1028.3	1059.4	1070.6	1073.9	1077.6	1058.7	1033.0
47.5°	2690.3	2713.7	2699.0	2697.0	2680.1	2653.7	2637.7	2611.8	2589.1	2584.3	2506.8
42.5°	3087.0	3076.5	3066.8	3088.5	3076.0	3086.5	3085.3	3058.8	3040.4	3002.5	2964.6
37.5°	4474.0	4481.8	4491.5	4493.5	4499.5	4474.3	4456.8	4438.4	4403.0	4342.6	4256.1
33°	5973.5	5987.3	5970.8	5969.8	5983.0	5977.0	5951.3	5927.4	5874.8	5804.0	5723.7
29°	6294.9	6294.2	6298.4	6288.4	6273.2	6258.5	6242.6	6231.8	6208.9	6164.8	6072.8
25.5°	6081.0	6084.5	6091.7	6086.0	6066.8	6056.1	6042.4	6023.7	5983.8	5936.4	5858.1
22.5°	5722.7	5750.1	5739.4	5732.2	5715.7	5689.5	5694.8	5677.1	5646.2	5597.8	5515.5
19.5°	5390.1	5403.8	5401.1	5381.1	5370.9	5349.5	5339.5	5326.5	5300.3	5270.4	5214.3
17°	5177.2	5202.6	5197.1	5184.9	5168.9	5154.7	5136.8	5125.8	5104.4	5071.4	5003.4
15°	5050.8	5062.2	5048.8	5046.3	5048.5	5020.3	5008.9	4980.9	4974.2	4946.5	4886.4
13°	4944.0	4949.8	4958.7	4944.5	4942.0	4932.1	4908.1	4896.4	4873.0	4861.8	4818.4
11°	4860.3	4899.4	4862.5	4872.7	4861.3	4859.8	4846.3	4839.8	4822.4	4805.2	4778.5
9°	4816.6	4823.4	4811.6	4811.1	4805.9	4796.4	4793.2	4792.7	4789.2	4779.7	4763.3
7°	4763.3	4769.0	4763.5	4758.0	4754.0	4750.1	4761.3	4765.0	4781.2	4767.8	4752.1
5°	4726.9	4721.4	4719.4	4718.4	4728.4	4728.4	4750.3	4762.8	4778.0	4782.2	4761.8
3°	4695.7	4702.4	4696.5	4703.7	4723.4	4733.9	4763.3	4781.5	4791.4	4791.7	4783.5
1°	4744.1	4760.5	4763.8	4768.8	4776.0	4782.5	4804.4	4820.6	4809.9	4810.4	4777.0
0°	4789.5	4795.9	4804.4	4798.7	4808.2	4813.9	4829.6	4832.8	4828.6	4809.6	4764.8
-1°	4837.1	4835.6	4830.8	4829.8	4832.1	4825.4	4834.1	4823.4	4810.6	4793.7	4751.6
-3°	4871.2	4883.7	4877.0	4869.2	4844.8	4844.8	4835.1	4795.2	4778.0	4760.3	4700.9
-5°	4842.6	4858.5	4859.5	4834.8	4796.9	4787.0	4756.0	4732.1	4702.2	4673.3	4613.4
-7°	4778.7	4770.3	4762.8	4730.9	4705.9	4682.5	4641.3	4599.7	4592.0	4564.6	4511.9
-9°	4602.7	4608.7	4591.0	4582.5	4555.1	4524.7	4512.7	4483.0	4467.3	4442.9	4394.5
-11°	4427.9	4404.0	4405.7	4411.7	4392.3	4392.5	4379.5	4361.6	4359.4	4336.2	4295.3
-13°	4290.0	4288.3	4276.6	4286.5	4282.8	4283.3	4271.1	4268.8	4264.6	4248.6	4193.5
-15°	4199.0	4213.7	4215.2	4206.8	4208.8	4204.0	4199.5	4188.8	4185.6	4160.4	4102.8
-17°	4066.6	4071.6	4072.9	4072.1	4065.9	4070.9	4076.4	4072.1	4056.4	4037.2	3990.8
-19.5°	3821.8	3801.8	3808.8	3815.8	3817.8	3817.5	3825.5	3839.0	3826.5	3801.3	3762.9
-22.5°	3734.5	3730.3	3717.3	3721.6	3719.6	3713.3	3713.3	3714.3	3707.1	3680.7	3628.3
-25.5°	3603.6	3609.6	3607.6	3604.9	3604.4	3593.1	3593.6	3595.4	3581.2	3552.0	3504.9
-29°	3459.3	3463.2	3461.7	3455.0	3445.8	3425.6	3417.1	3398.2	3373.0	3356.8	3318.6
-33°	3294.9	3285.0	3285.5	3284.5	3272.3	3260.5	3246.3	3222.6	3196.7	3176.5	3136.1
-37.5°	3140.1	3145.8	3140.6	3142.4	3135.4	3123.7	3110.9	3093.0	3067.6	3038.4	2998.2
-42.5°	2844.4	2840.2	2833.7	2819.5	2813.7	2786.6	2769.8	2770.3	2764.6	2742.4	2704.3
-47.5°	1765.8	1812.7	1823.4	1814.2	1805.2	1801.4	1782.5	1781.0	1782.5	1770.5	1741.1
-55°	364.8	363.5	374.0	381.5	396.9	402.9	405.9	394.9	407.2	432.3	444.6
-65°	281.0	280.0	276.0	275.8	272.0	270.5	270.3	267.8	269.5	277.0	285.5
-75°	21.9	21.9	22.2	19.7	18.2	20.4	26.7	28.7	31.7	30.4	33.9
-85°	0.7	2.2	4.5	10.5	13.5	15.5	17.0	17.7	17.7	17.5	17.2
-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	14.0	13.0	11.2	9.5	8.2	7.0	8.0	7.0	8.5
75°	20.2	20.4	25.7	32.2	28.9	19.4	13.5	11.2	14.7	8.5	9.2
65°	153.8	99.2	61.6	46.4	37.6	31.9	39.1	29.7	27.4	13.7	9.7
55°	969.4	904.8	857.5	797.1	777.4	721.8	583.9	237.6	43.6	22.2	10.5
47.5°	2422.8	2314.3	2191.9	2054.8	1936.6	1773.0	1452.6	635.6	52.4	28.7	11.2
42.5°	2898.5	2775.1	2701.0	2601.0	2490.3	2453.7	2209.6	1094.6	53.9	32.7	11.5
37.5°	4182.1	4043.9	3853.7	3706.8	3590.7	3573.9	3116.4	1545.1	85.8	37.6	12.0
33°	5569.6	5367.2	5104.9	4878.2	4680.7	4503.5	3818.5	1907.9	199.7	43.4	12.2
29°	5907.7	5683.8	5481.6	5246.2	5064.7	4812.9	4195.0	2202.6	293.7	49.6	12.5
25.5°	5698.0	5530.2	5333.5	5148.5	5012.6	4836.8	4357.6	2367.4	369.8	55.4	12.7
22.5°	5388.6	5241.2	5077.7	4960.0	4886.2	4750.3	4345.1	2458.7	430.4	60.3	13.0
19.5°	5116.8	5014.1	4882.0	4809.1	4777.2	4613.9	4219.7	2550.2	485.0	65.6	13.2
17°	4928.8	4840.3	4753.0	4718.6	4686.7	4475.8	4105.5	2614.3	529.6	68.3	13.5
15°	4818.9	4754.8	4692.2	4667.5	4607.4	4354.4	4029.5	2656.9	560.8	70.6	13.7
13°	4766.3	4724.1	4668.3	4621.4	4518.9	4244.7	3973.4	2707.0	586.2	72.6	13.7
11°	4737.3	4698.2	4623.4	4554.1	4410.0	4147.7	3940.2	2750.2	607.1	73.6	14.0
9°	4720.9	4673.8	4582.5	4460.3	4321.0	4063.4	3920.5	2781.3	624.6	74.1	14.2
7°	4726.1	4648.8	4529.9	4389.5	4239.9	4011.5	3903.3	2804.0	636.5	73.8	14.5
5°	4724.4	4623.6	4486.8	4342.9	4177.3	3963.2	3890.1	2822.0	642.0	73.1	14.7
3°	4715.2	4611.2	4448.1	4274.8	4121.5	3924.5	3884.1	2833.4	647.0	72.3	14.7
1°	4700.4	4581.0	4398.5	4236.4	4082.3	3888.1	3877.6	2838.2	645.8	71.6	14.7
0°	4685.7	4566.5	4382.3	4216.5	4064.4	3868.4	3868.2	2850.1	643.5	71.1	14.7
-1°	4661.8	4535.4	4353.9	4186.8	4041.0	3871.9	3868.7	2839.4	641.0	70.3	15.0
-3°	4596.2	4478.0	4307.0	4142.4	3998.1	3846.5	3860.2	2828.9	636.5	69.6	15.2
-5°	4521.9	4407.5	4254.1	4090.8	3948.4	3808.3	3840.7	2799.5	626.1	69.1	15.2
-7°	4427.4	4341.4	4177.6	4019.0	3884.1	3754.0	3804.1	2771.1	614.6	68.6	15.5
-9°	4330.7	4240.7	4094.8	3937.0	3813.1	3708.8	3754.0	2727.0	599.4	68.1	15.5
-11°	4231.9	4139.2	3993.6	3847.0	3728.8	3638.0	3701.1	2677.6	582.4	68.1	15.7
-13°	4113.8	4029.0	3896.8	3764.9	3651.5	3584.4	3644.3	2615.3	561.7	68.3	15.7
-15°	4022.8	3932.2	3805.6	3682.2	3579.2	3529.3	3577.9	2535.7	542.1	68.8	16.0
-17°	3914.3	3836.0	3720.3	3605.1	3512.1	3476.2	3511.6	2455.2	516.6	69.1	16.0
-19.5°	3702.6	3631.3	3558.0	3482.2	3421.1	3409.6	3426.8	2349.5	482.2	69.6	16.0
-22.5°	3560.2	3487.9	3408.1	3349.3	3307.4	3346.8	3325.1	2202.9	433.3	70.3	16.0
-25.5°	3443.5	3377.0	3297.2	3240.6	3216.7	3302.9	3231.6	2044.3	378.7	70.3	16.0
-29°	3263.5	3205.4	3133.9	3080.3	3067.3	3201.7	3050.3	1861.0	314.4	69.3	16.0
-33°	3066.3	3001.0	2928.7	2871.6	2847.4	3028.4	2751.4	1641.4	234.1	66.6	16.0
-37.5°	2940.6	2867.6	2786.8	2697.0	2642.4	2667.1	2351.7	1326.2	136.1	61.8	15.7
-42.5°	2636.7	2591.8	2492.3	2395.3	2252.2	2080.9	1753.6	951.2	104.0	56.1	15.7
-47.5°	1743.3	1710.4	1678.5	1617.4	1481.0	1303.0	1095.1	526.8	99.0	49.1	15.5
-55°	481.7	488.4	517.4	482.0	421.4	369.3	358.3	160.8	91.0	37.6	14.7
-65°	302.4	306.7	250.1	177.0	119.7	91.5	92.8	61.6	60.6	21.9	13.7
-75°	36.9	37.2	31.2	29.7	29.9	34.2	35.7	29.7	23.9	12.5	12.7
-85°	16.7	16.5	16.0	15.5	15.2	14.5	13.5	12.2	11.2	11.5	11.5
-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)