

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: P507791

Luminaire Tested: **UFLD-CA2-80-730-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507791  
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-CA2-80-730-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

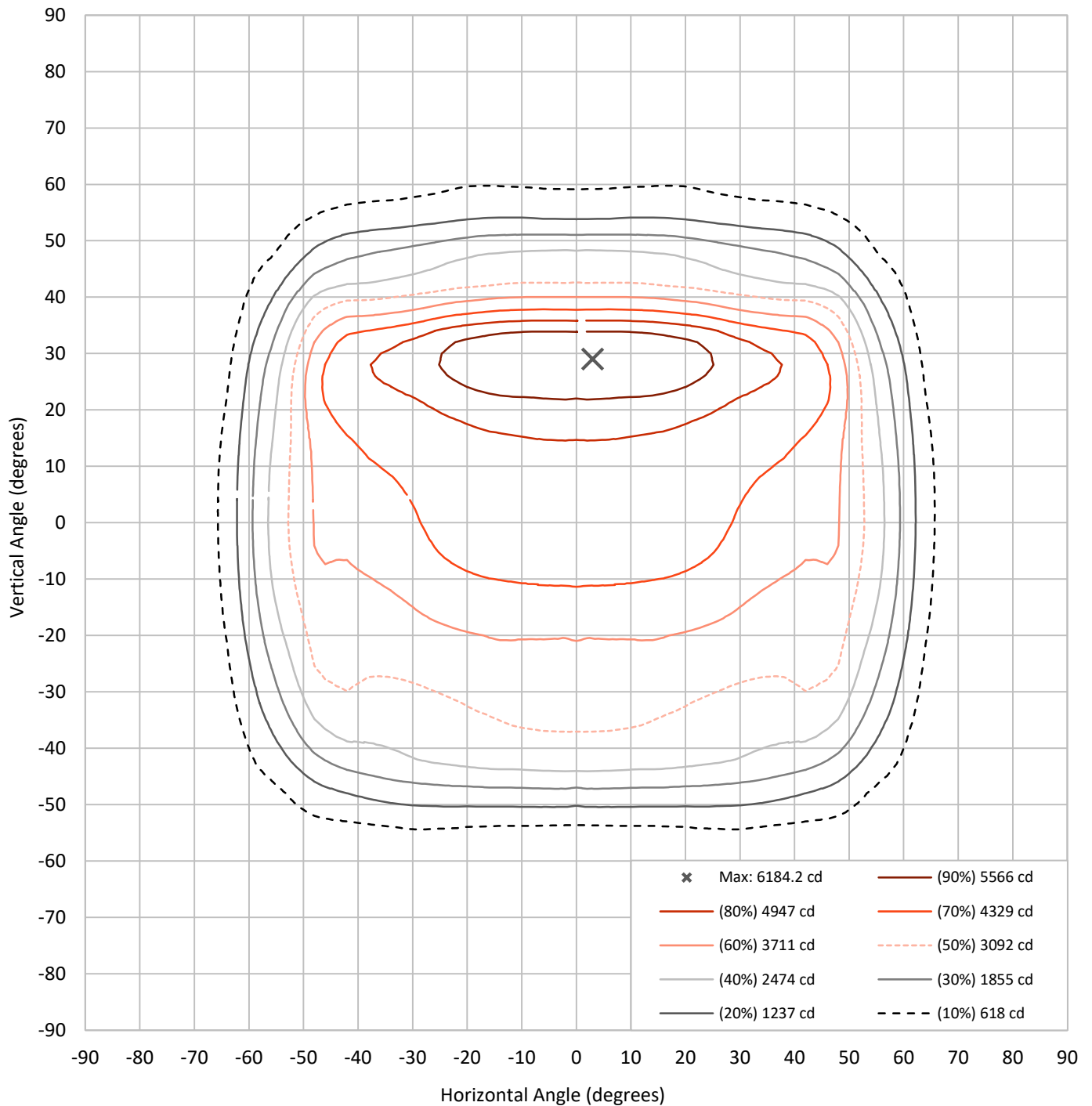
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	11588 lumens	Max Intensity:	6184.2 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	141.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	8609.9 lumens	Field Lumens:	11198.5 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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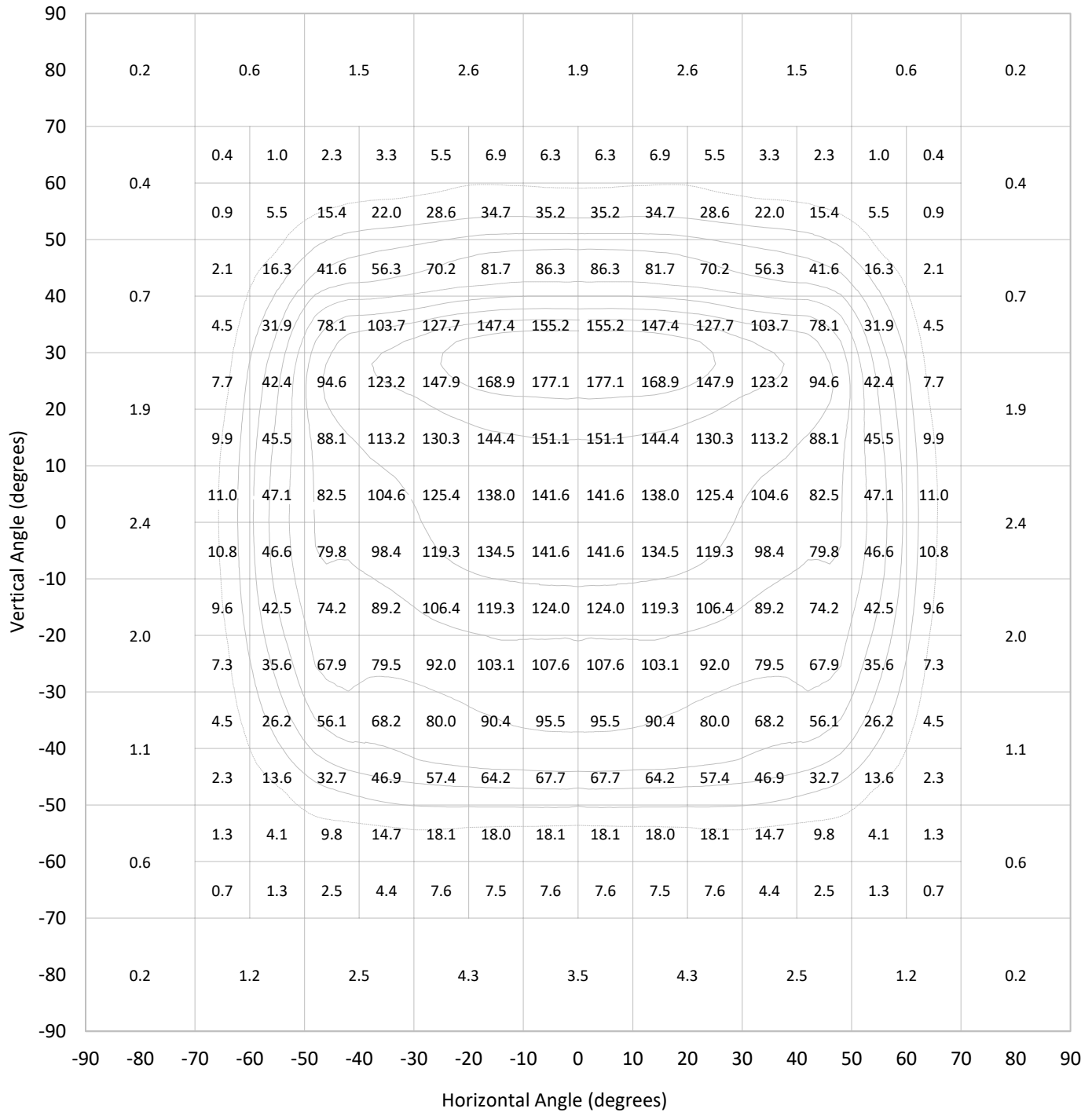
### Iso-Candela Plot





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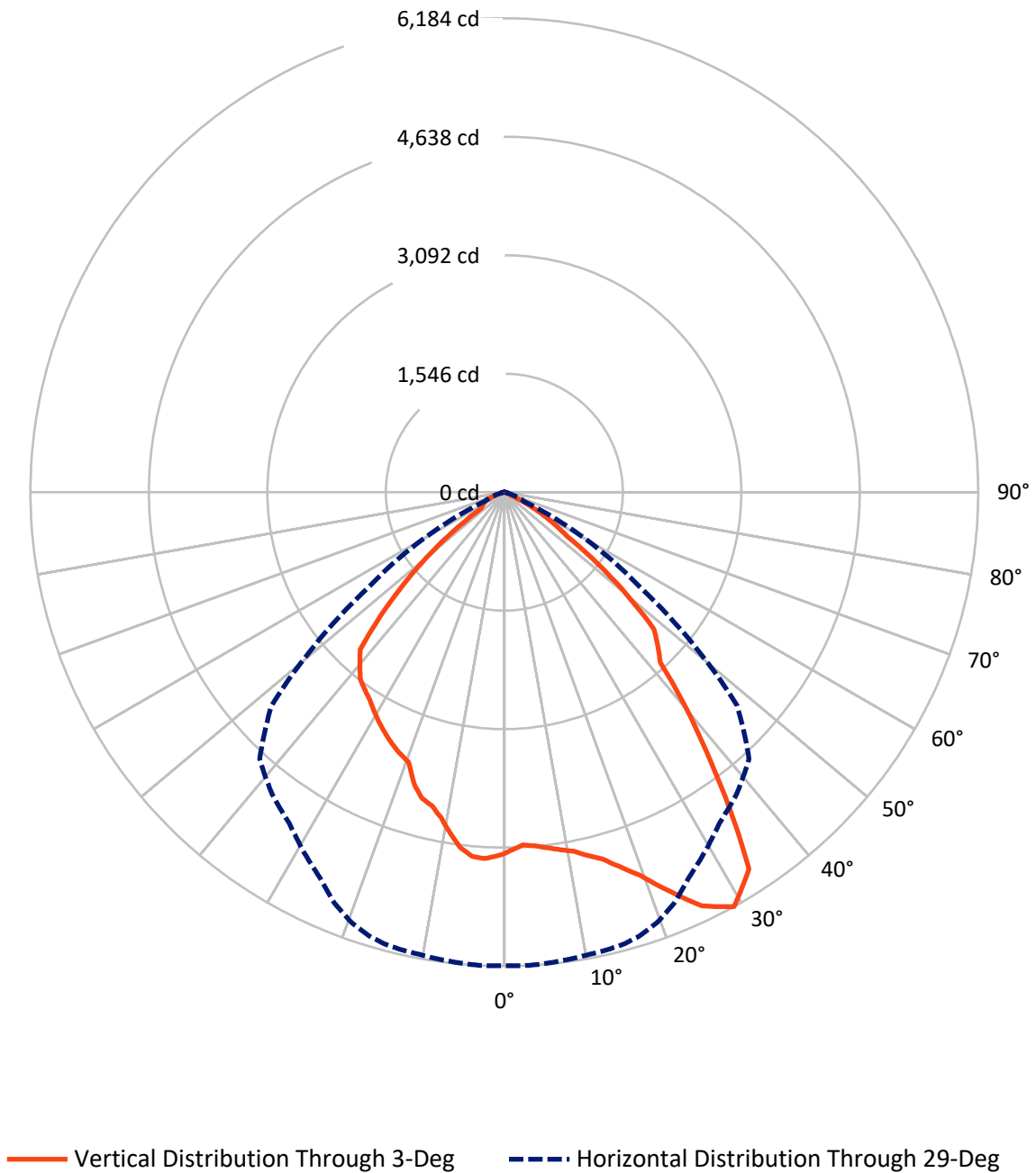
### Lumen Table



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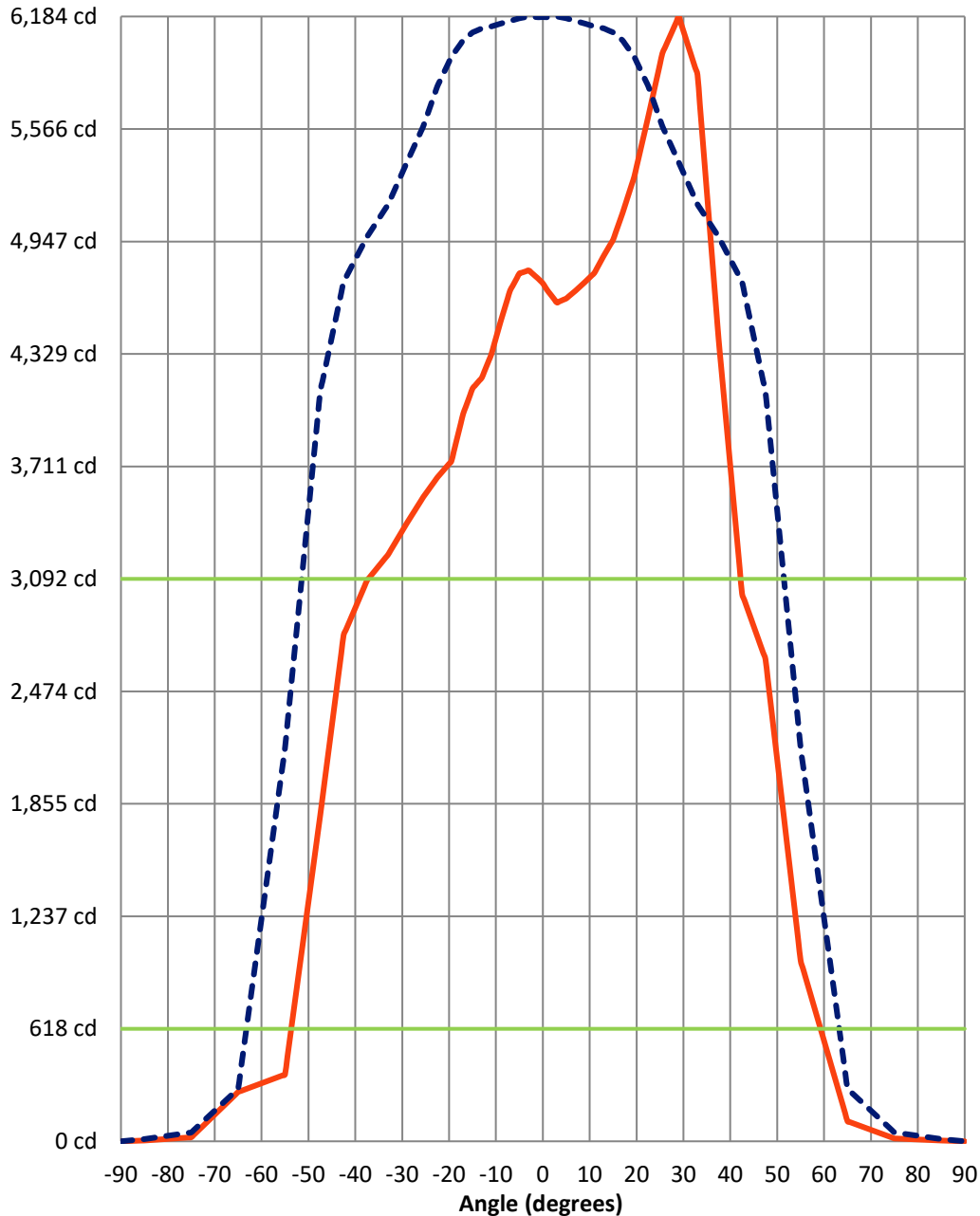
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 8609.9  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 11198.5  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 389.5  
 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	9.8	12.7	14.9	16.4	17.1	17.4	17.4	16.6
75°	14.4	14.7	15.7	14.2	11.3	12.2	17.9	20.3	22.5	23.3	22.0
65°	111.6	110.9	110.2	109.4	106.2	101.6	99.9	109.7	134.6	160.6	173.3
55°	974.4	970.9	993.9	977.8	1009.6	1040.2	1051.2	1054.4	1058.1	1039.5	1014.3
47.5°	2641.5	2664.5	2650.1	2648.1	2631.5	2605.5	2589.9	2564.4	2542.1	2537.5	2461.3
42.5°	3031.0	3020.7	3011.2	3032.5	3020.3	3030.5	3029.3	3003.4	2985.2	2948.0	2910.8
37.5°	4392.9	4400.5	4410.1	4412.0	4417.9	4393.2	4376.0	4357.9	4323.1	4263.9	4179.0
33°	5865.2	5878.7	5862.5	5861.6	5874.5	5868.7	5843.4	5819.9	5768.3	5698.8	5619.9
29°	6180.8	6180.1	6184.2	6174.4	6159.5	6145.0	6129.4	6118.8	6096.3	6053.0	5962.7
25.5°	5970.7	5974.2	5981.3	5975.6	5956.8	5946.3	5932.8	5914.4	5875.3	5828.7	5751.9
22.5°	5618.9	5645.9	5635.3	5628.2	5612.1	5586.4	5591.5	5574.1	5543.8	5496.3	5415.5
19.5°	5292.4	5305.8	5303.1	5283.5	5273.5	5252.5	5242.7	5229.9	5204.2	5174.9	5119.8
17°	5083.3	5108.3	5102.9	5090.9	5075.2	5061.3	5043.6	5032.9	5011.8	4979.5	4912.7
15°	4959.2	4970.4	4957.2	4954.8	4957.0	4929.3	4918.0	4890.6	4884.0	4856.8	4797.8
13°	4854.4	4860.0	4868.8	4854.9	4852.4	4842.6	4819.1	4807.6	4784.6	4773.6	4731.0
11°	4772.1	4810.6	4774.3	4784.4	4773.1	4771.6	4758.4	4752.1	4734.9	4718.0	4691.8
9°	4729.3	4735.9	4724.4	4723.9	4718.8	4709.5	4706.3	4705.8	4702.4	4693.1	4676.9
7°	4676.9	4682.5	4677.1	4671.8	4667.8	4663.9	4674.9	4678.6	4694.5	4681.3	4665.9
5°	4641.2	4635.8	4633.8	4632.8	4642.6	4642.6	4664.2	4676.4	4691.3	4695.5	4675.4
3°	4610.6	4617.2	4611.3	4618.4	4637.7	4648.0	4676.9	4694.8	4704.6	4704.8	4696.7
1°	4658.1	4674.2	4677.4	4682.3	4689.4	4695.8	4717.3	4733.2	4722.7	4723.2	4690.4
0°	4702.6	4709.0	4717.3	4711.7	4721.0	4726.6	4742.0	4745.2	4741.0	4722.4	4678.4
-1°	4749.4	4747.9	4743.2	4742.3	4744.5	4737.9	4746.4	4735.9	4723.4	4706.8	4665.4
-3°	4782.9	4795.1	4788.5	4780.9	4757.0	4757.0	4747.4	4708.2	4691.3	4674.0	4615.7
-5°	4754.8	4770.4	4771.4	4747.2	4710.0	4700.2	4669.8	4646.3	4616.9	4588.5	4529.8
-7°	4692.1	4683.8	4676.4	4645.1	4620.6	4597.6	4557.2	4516.3	4508.7	4481.8	4430.1
-9°	4519.2	4525.1	4507.7	4499.4	4472.5	4442.6	4430.9	4401.7	4386.3	4362.3	4314.8
-11°	4347.6	4324.1	4325.8	4331.7	4312.6	4312.9	4300.1	4282.5	4280.3	4257.5	4217.4
-13°	4212.2	4210.5	4199.0	4208.8	4205.1	4205.6	4193.6	4191.4	4187.3	4171.6	4117.5
-15°	4122.9	4137.3	4138.8	4130.5	4132.4	4127.8	4123.4	4112.9	4109.7	4084.9	4028.4
-17°	3992.9	3997.8	3999.0	3998.3	3992.2	3997.1	4002.4	3998.3	3982.9	3964.0	3918.5
-19.5°	3752.5	3732.9	3739.8	3746.6	3748.6	3748.3	3756.2	3769.4	3757.1	3732.4	3694.7
-22.5°	3666.8	3662.6	3649.9	3654.1	3652.1	3646.0	3646.0	3647.0	3639.9	3613.9	3562.5
-25.5°	3538.3	3544.2	3542.2	3539.5	3539.0	3528.0	3528.5	3530.2	3516.2	3487.6	3441.3
-29°	3396.5	3400.4	3399.0	3392.4	3383.3	3363.5	3355.2	3336.6	3311.8	3295.9	3258.5
-33°	3235.2	3225.4	3225.9	3224.9	3212.9	3201.4	3187.5	3164.2	3138.7	3118.9	3079.3
-37.5°	3083.2	3088.8	3083.7	3085.4	3078.5	3067.0	3054.5	3036.9	3011.9	2983.3	2943.9
-42.5°	2792.8	2788.7	2782.3	2768.3	2762.7	2736.0	2719.6	2720.1	2714.5	2692.7	2655.2
-47.5°	1733.8	1779.8	1790.3	1781.3	1772.4	1768.8	1750.2	1748.7	1750.2	1738.4	1709.5
-55°	358.2	356.9	367.2	374.6	389.7	395.6	398.6	387.8	399.8	424.5	436.5
-65°	275.9	274.9	271.0	270.8	267.1	265.6	265.4	262.9	264.6	272.0	280.3
-75°	21.5	21.5	21.8	19.3	17.9	20.1	26.2	28.2	31.1	29.9	33.3
-85°	0.7	2.2	4.4	10.3	13.2	15.2	16.6	17.4	17.4	17.1	16.9
-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°	15.4	14.4	13.7	12.7	11.0	9.3	8.1	6.9	7.8	6.9	8.3
75°	19.8	20.1	25.2	31.6	28.4	19.1	13.2	11.0	14.4	8.3	9.1
65°	151.0	97.4	60.5	45.5	37.0	31.3	38.4	29.1	26.9	13.5	9.5
55°	951.8	888.4	841.9	782.7	763.3	708.7	573.4	233.3	42.8	21.8	10.3
47.5°	2378.8	2272.4	2152.1	2017.5	1901.5	1740.9	1426.3	624.0	51.4	28.2	11.0
42.5°	2845.9	2724.8	2652.1	2553.9	2445.2	2409.2	2169.5	1074.7	52.9	32.1	11.3
37.5°	4106.2	3970.6	3783.8	3639.6	3525.5	3509.1	3059.9	1517.1	84.2	37.0	11.8
33°	5468.6	5269.8	5012.3	4789.8	4595.9	4421.8	3749.3	1873.3	196.1	42.6	12.0
29°	5800.6	5580.8	5382.2	5151.1	4972.9	4725.6	4119.0	2162.7	288.4	48.7	12.2
25.5°	5594.7	5429.9	5236.8	5055.1	4921.7	4749.1	4278.6	2324.5	363.1	54.3	12.5
22.5°	5290.9	5146.2	4985.6	4870.1	4797.6	4664.2	4266.4	2414.1	422.5	59.2	12.7
19.5°	5024.0	4923.2	4793.4	4721.9	4690.6	4530.3	4143.2	2503.9	476.2	64.4	13.0
17°	4839.5	4752.5	4666.9	4633.1	4601.7	4394.6	4031.1	2566.9	520.0	67.1	13.2
15°	4731.5	4668.6	4607.1	4582.9	4523.9	4275.4	3956.4	2608.7	550.6	69.3	13.5
13°	4679.8	4638.5	4583.6	4537.6	4437.0	4167.7	3901.3	2657.9	575.6	71.2	13.5
11°	4651.4	4613.0	4539.6	4471.5	4330.0	4072.5	3868.8	2700.3	596.1	72.2	13.7
9°	4635.3	4589.0	4499.4	4379.5	4242.6	3989.7	3849.4	2730.9	613.3	72.7	14.0
7°	4640.4	4564.5	4447.8	4309.9	4163.0	3938.8	3832.5	2753.2	625.0	72.5	14.2
5°	4638.7	4539.8	4405.4	4264.1	4101.6	3891.3	3819.6	2770.8	630.4	71.7	14.4
3°	4629.7	4527.6	4367.5	4197.3	4046.8	3853.4	3813.7	2782.1	635.3	71.0	14.4
1°	4615.2	4497.9	4318.7	4159.6	4008.3	3817.6	3807.3	2786.7	634.1	70.3	14.4
0°	4600.8	4483.7	4302.8	4140.0	3990.7	3798.3	3798.0	2798.5	631.9	69.8	14.4
-1°	4577.3	4453.1	4274.9	4110.9	3967.7	3801.7	3798.5	2787.9	629.4	69.0	14.7
-3°	4512.9	4396.8	4228.9	4067.3	3925.6	3776.7	3790.2	2777.6	625.0	68.3	14.9
-5°	4439.9	4327.6	4177.0	4016.6	3876.9	3739.3	3771.1	2748.8	614.7	67.8	14.9
-7°	4347.1	4262.7	4101.8	3946.1	3813.7	3685.9	3735.1	2720.8	603.5	67.3	15.2
-9°	4252.2	4163.8	4020.6	3865.6	3743.9	3641.6	3685.9	2677.5	588.5	66.8	15.2
-11°	4155.2	4064.1	3921.2	3777.2	3661.2	3572.1	3634.0	2629.0	571.9	66.8	15.4
-13°	4039.2	3955.9	3826.2	3696.7	3585.3	3519.4	3578.2	2567.8	551.6	67.1	15.4
-15°	3949.8	3860.9	3736.6	3615.4	3514.3	3465.3	3513.1	2489.7	532.2	67.6	15.7
-17°	3843.3	3766.4	3652.9	3539.7	3448.4	3413.2	3447.9	2410.7	507.3	67.8	15.7
-19.5°	3635.5	3565.5	3493.5	3419.1	3359.1	3347.8	3364.7	2306.9	473.5	68.3	15.7
-22.5°	3495.7	3424.7	3346.3	3288.6	3247.4	3286.1	3264.8	2162.9	425.5	69.0	15.7
-25.5°	3381.1	3315.7	3237.4	3181.8	3158.3	3243.0	3173.0	2007.2	371.9	69.0	15.7
-29°	3204.4	3147.3	3077.1	3024.4	3011.7	3143.6	2995.0	1827.3	308.7	68.1	15.7
-33°	3010.7	2946.6	2875.6	2819.5	2795.8	2973.5	2701.5	1611.6	229.9	65.4	15.7
-37.5°	2887.3	2815.6	2736.3	2648.1	2594.5	2618.8	2309.1	1302.2	133.7	60.7	15.4
-42.5°	2588.9	2544.8	2447.1	2351.9	2211.4	2043.2	1721.8	934.0	102.1	55.1	15.4
-47.5°	1711.7	1679.4	1648.1	1588.1	1454.2	1279.4	1075.2	517.3	97.2	48.2	15.2
-55°	473.0	479.6	508.0	473.2	413.7	362.6	351.8	157.9	89.4	37.0	14.4
-65°	297.0	301.1	245.5	173.8	117.5	89.8	91.1	60.5	59.5	21.5	13.5
-75°	36.2	36.5	30.6	29.1	29.4	33.5	35.0	29.1	23.5	12.2	12.5
-85°	16.4	16.2	15.7	15.2	14.9	14.2	13.2	12.0	11.0	11.3	11.3
-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)