

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: P507790

Luminaire Tested: **UFLD-CA2-80-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507790
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-CA2-80-727-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

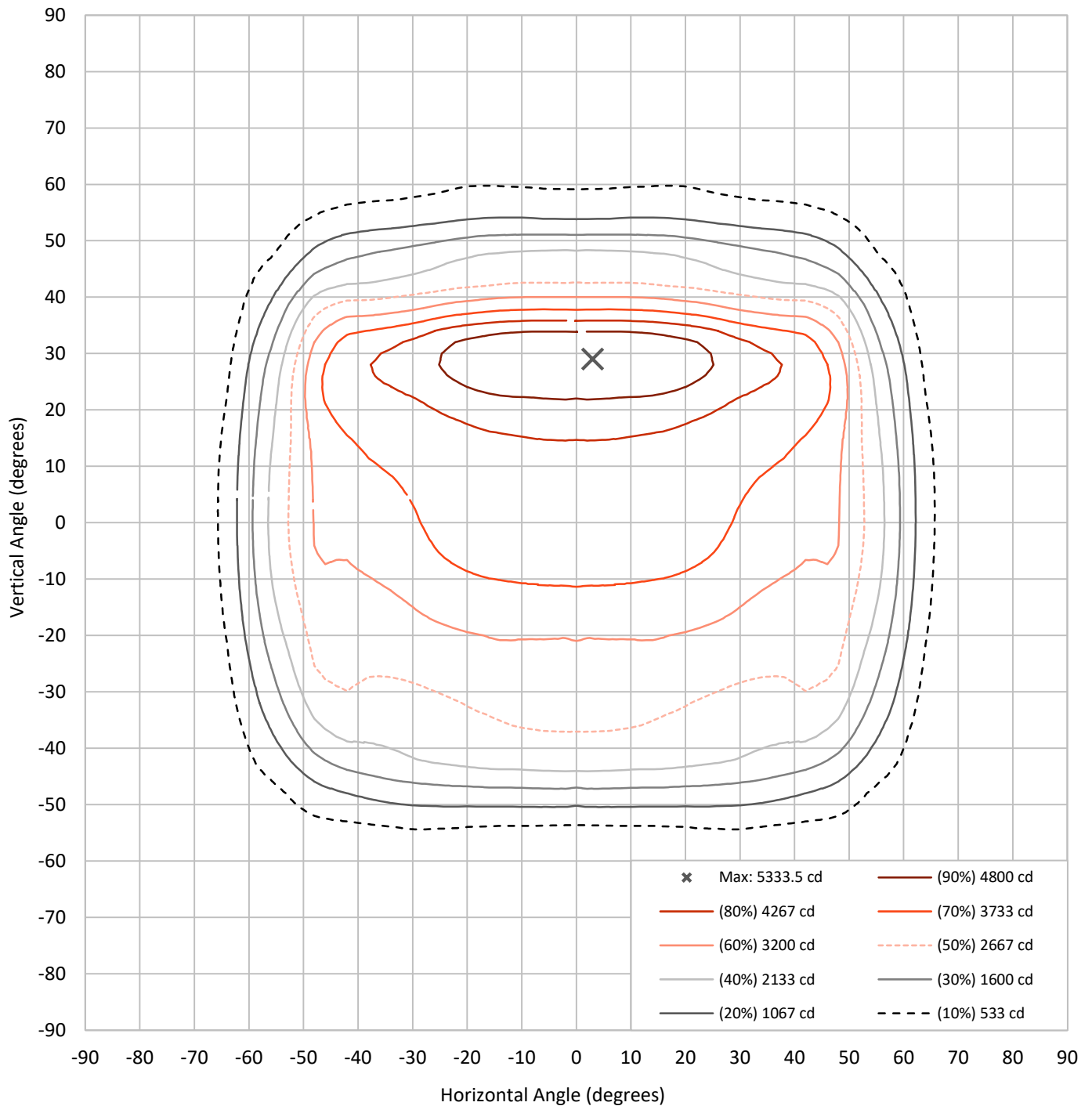
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	9994 lumens	Max Intensity:	5333.5 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	121.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	7425.5 lumens	Field Lumens:	9658 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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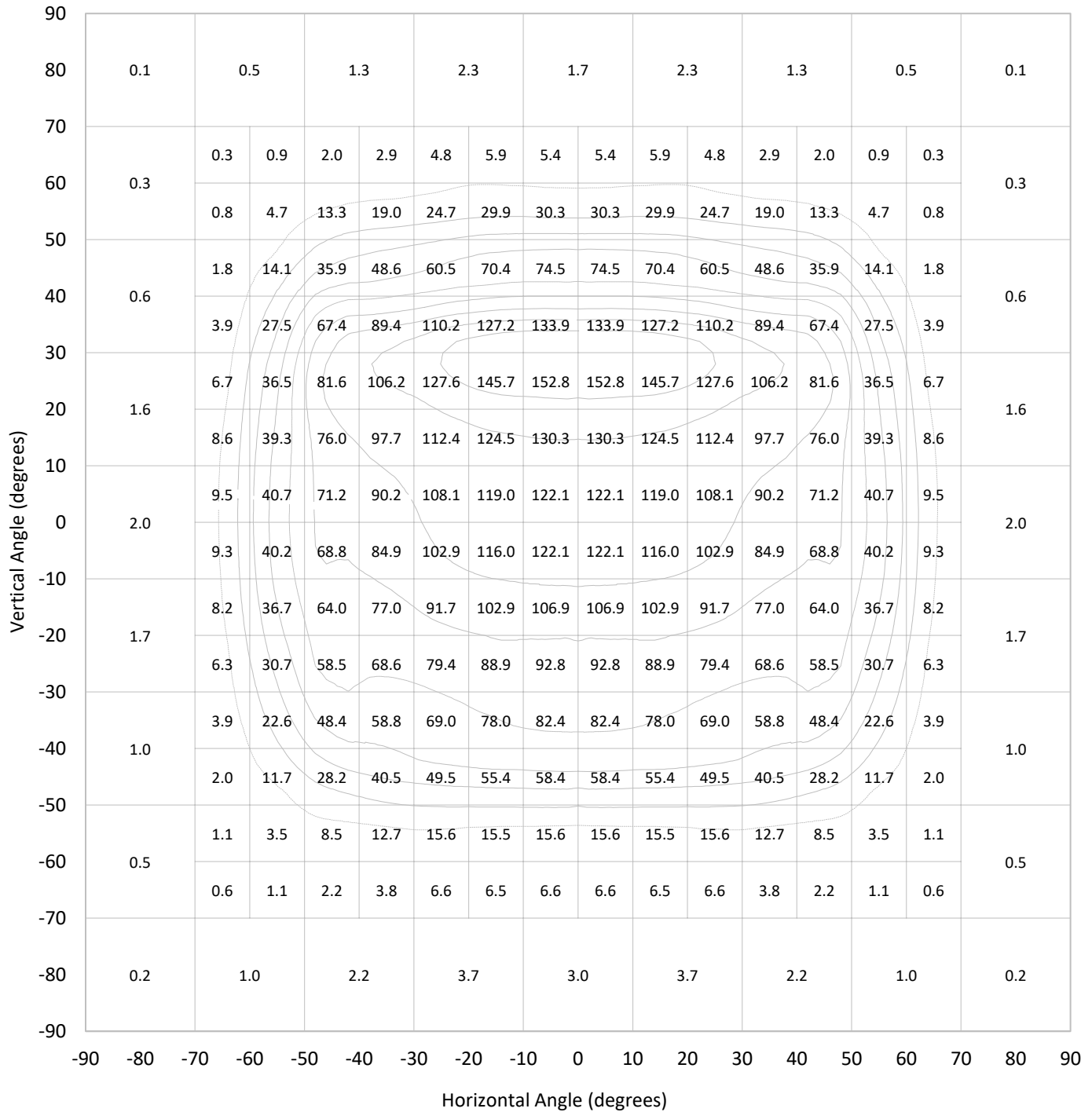
Iso-Candela Plot





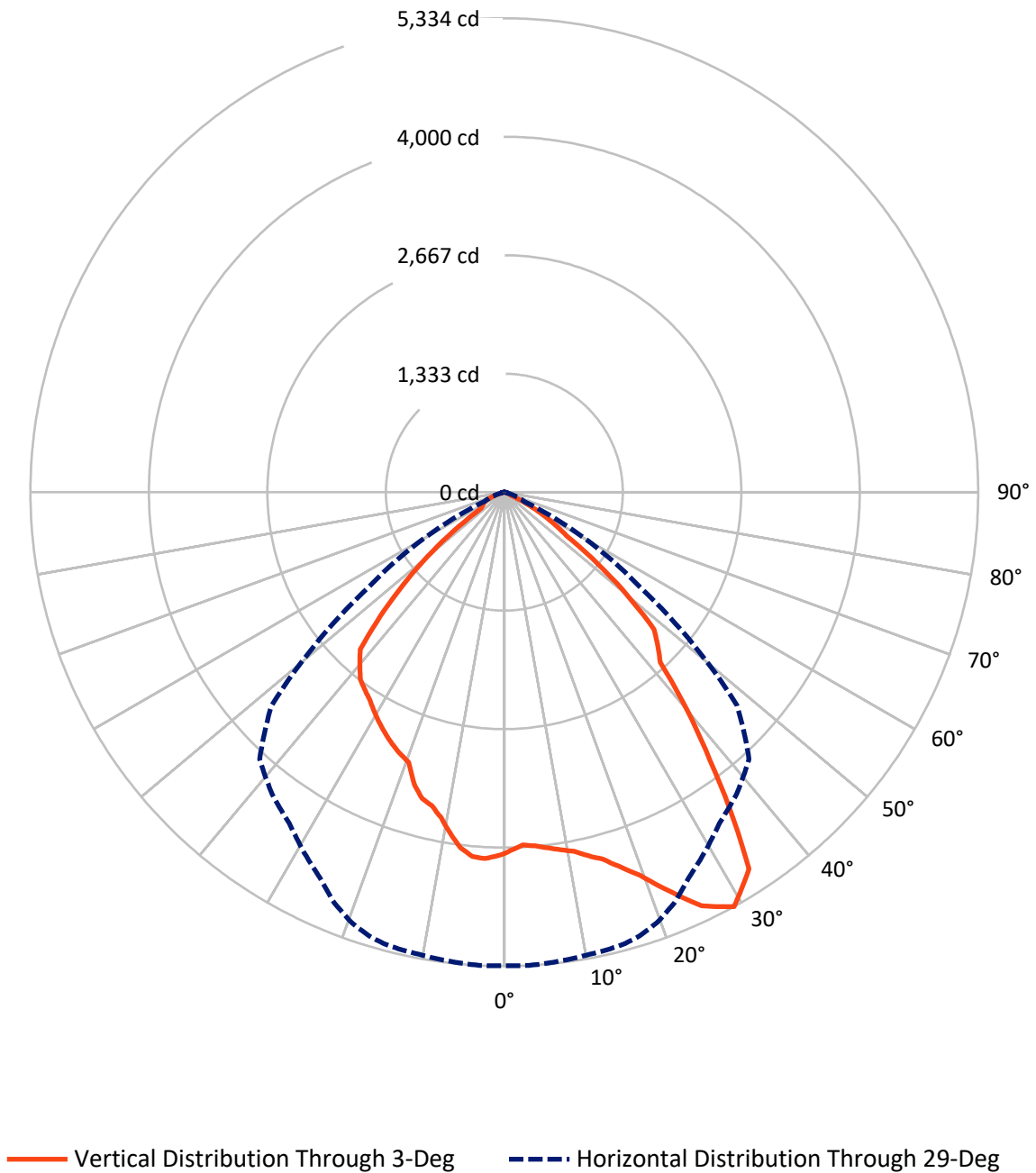
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Lumen Table



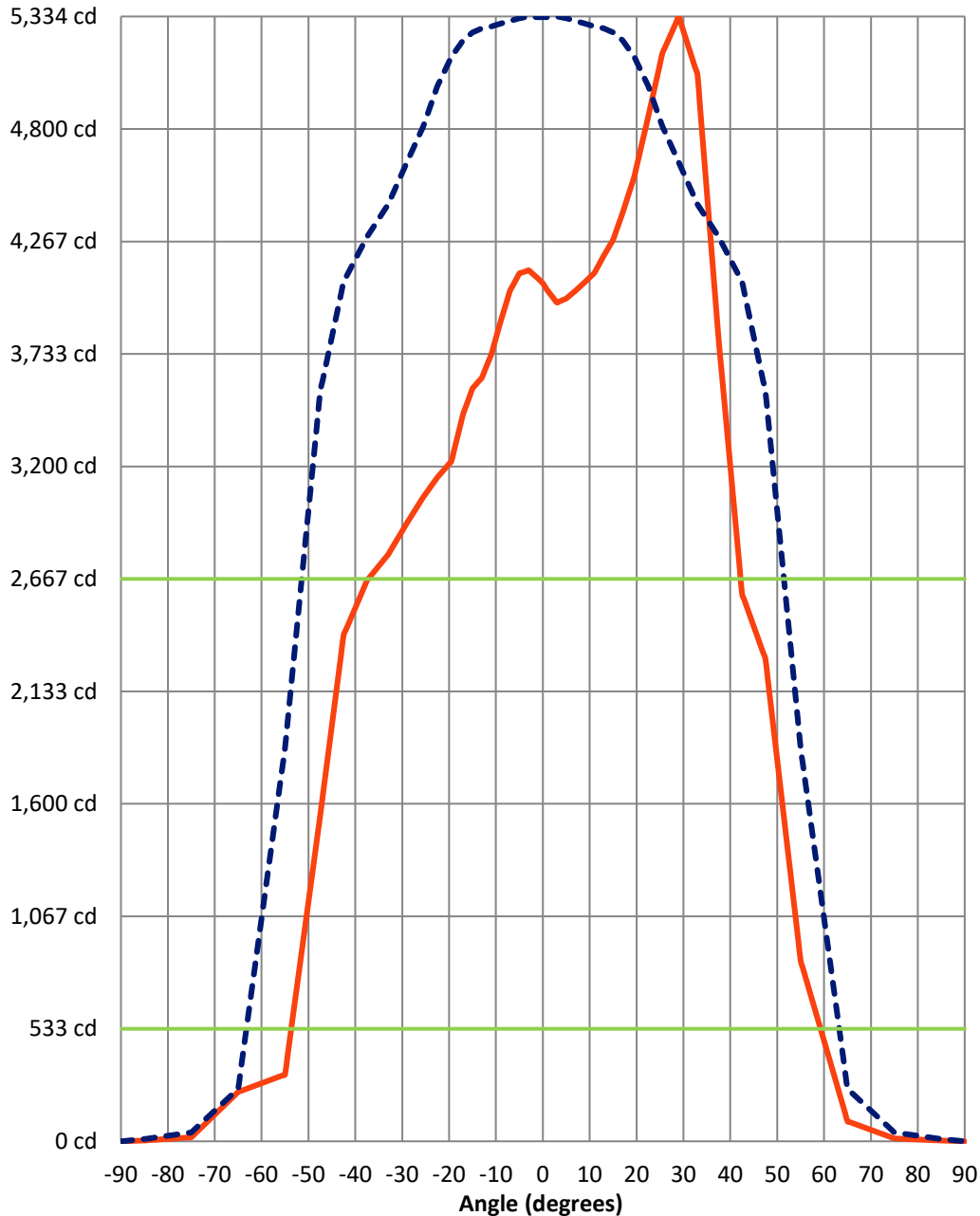
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 7425.5
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 9658
 Efficiency: 96.6%

Spill:
 Lumens: 335.9
 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	1.7	3.6	8.4	11.0	12.9	14.1	14.8	15.0	15.0	14.4
75°	12.5	12.7	13.5	12.2	9.7	10.6	15.4	17.5	19.4	20.1	19.0
65°	96.3	95.6	95.0	94.4	91.6	87.6	86.1	94.6	116.1	138.5	149.5
55°	840.3	837.4	857.2	843.3	870.7	897.1	906.6	909.4	912.5	896.5	874.7
47.5°	2278.2	2298.0	2285.6	2283.9	2269.5	2247.1	2233.6	2211.7	2192.4	2188.4	2122.8
42.5°	2614.1	2605.2	2597.0	2615.4	2604.8	2613.7	2612.6	2590.2	2574.6	2542.5	2510.4
37.5°	3788.6	3795.2	3803.4	3805.1	3810.2	3788.9	3774.1	3758.5	3728.5	3677.4	3604.1
33°	5058.4	5070.0	5056.1	5055.3	5066.4	5061.4	5039.6	5019.4	4974.8	4914.9	4846.9
29°	5330.6	5329.9	5333.5	5325.1	5312.2	5299.8	5286.2	5277.2	5257.7	5220.4	5142.5
25.5°	5149.4	5152.4	5158.5	5153.6	5137.4	5128.3	5116.7	5100.9	5067.1	5027.0	4960.7
22.5°	4846.0	4869.2	4860.2	4854.0	4840.1	4817.9	4822.4	4807.4	4781.2	4740.2	4670.6
19.5°	4564.4	4576.0	4573.7	4556.8	4548.1	4529.9	4521.5	4510.5	4488.4	4463.0	4415.5
17°	4384.1	4405.6	4400.9	4390.6	4377.1	4365.1	4349.8	4340.6	4322.4	4294.5	4236.9
15°	4277.0	4286.7	4275.3	4273.2	4275.1	4251.2	4241.5	4217.9	4212.2	4188.8	4137.9
13°	4186.6	4191.5	4199.1	4187.1	4185.0	4176.5	4156.2	4146.3	4126.5	4117.0	4080.2
11°	4115.7	4148.8	4117.6	4126.3	4116.5	4115.3	4103.9	4098.4	4083.6	4069.0	4046.4
9°	4078.7	4084.4	4074.5	4074.1	4069.7	4061.6	4058.9	4058.5	4055.5	4047.5	4033.6
7°	4033.6	4038.4	4033.8	4029.1	4025.8	4022.4	4031.9	4035.0	4048.8	4037.4	4024.1
5°	4002.7	3998.1	3996.4	3995.6	4004.0	4004.0	4022.6	4033.1	4046.0	4049.6	4032.3
3°	3976.3	3982.0	3977.0	3983.1	3999.8	4008.7	4033.6	4049.0	4057.4	4057.6	4050.7
1°	4017.3	4031.2	4034.0	4038.2	4044.3	4049.8	4068.4	4082.1	4073.0	4073.5	4045.2
0°	4055.7	4061.2	4068.4	4063.5	4071.6	4076.4	4089.7	4092.5	4088.9	4072.8	4034.8
-1°	4096.1	4094.8	4090.8	4089.9	4091.8	4086.1	4093.5	4084.4	4073.7	4059.3	4023.6
-3°	4125.0	4135.5	4129.8	4123.3	4102.6	4102.6	4094.4	4060.6	4046.0	4031.0	3980.8
-5°	4100.7	4114.2	4115.1	4094.2	4062.1	4053.6	4027.4	4007.2	3981.8	3957.3	3906.7
-7°	4046.7	4039.5	4033.1	4006.1	3985.0	3965.2	3930.3	3895.1	3888.5	3865.3	3820.7
-9°	3897.6	3902.7	3887.7	3880.5	3857.3	3831.5	3821.4	3796.2	3782.9	3762.3	3721.3
-11°	3749.6	3729.3	3730.8	3735.9	3719.4	3719.6	3708.6	3693.4	3691.5	3671.9	3637.3
-13°	3632.8	3631.3	3621.4	3629.9	3626.7	3627.1	3616.8	3614.9	3611.3	3597.8	3551.1
-15°	3555.8	3568.2	3569.5	3562.3	3564.0	3560.0	3556.2	3547.1	3544.4	3523.0	3474.3
-17°	3443.6	3447.9	3448.9	3448.3	3443.0	3447.2	3451.9	3448.3	3435.0	3418.7	3379.5
-19.5°	3236.3	3219.4	3225.3	3231.2	3232.9	3232.7	3239.5	3250.9	3240.3	3219.0	3186.5
-22.5°	3162.4	3158.8	3147.8	3151.4	3149.7	3144.5	3144.5	3145.3	3139.2	3116.8	3072.5
-25.5°	3051.6	3056.6	3054.9	3052.6	3052.2	3042.7	3043.1	3044.6	3032.6	3007.9	2968.0
-29°	2929.3	2932.7	2931.4	2925.7	2917.9	2900.8	2893.6	2877.6	2856.3	2842.5	2810.2
-33°	2790.2	2781.7	2782.2	2781.3	2771.0	2761.0	2749.0	2728.9	2707.0	2689.9	2655.7
-37.5°	2659.1	2663.9	2659.5	2661.0	2655.1	2645.1	2634.4	2619.2	2597.6	2572.9	2538.9
-42.5°	2408.7	2405.1	2399.6	2387.5	2382.7	2359.7	2345.5	2345.9	2341.1	2322.3	2290.0
-47.5°	1495.3	1535.0	1544.0	1536.2	1528.6	1525.5	1509.4	1508.2	1509.4	1499.3	1474.4
-55°	308.9	307.8	316.7	323.0	336.1	341.2	343.7	334.4	344.8	366.1	376.5
-65°	238.0	237.1	233.7	233.5	230.4	229.1	228.9	226.8	228.2	234.6	241.8
-75°	18.6	18.6	18.8	16.7	15.4	17.3	22.6	24.3	26.8	25.8	28.7
-85°	0.6	1.9	3.8	8.9	11.4	13.1	14.4	15.0	15.0	14.8	14.6
-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°	13.3	12.5	11.8	11.0	9.5	8.0	7.0	5.9	6.8	5.9	7.2
75°	17.1	17.3	21.7	27.2	24.5	16.5	11.4	9.5	12.5	7.2	7.8
65°	130.3	84.0	52.2	39.3	31.9	27.0	33.1	25.1	23.2	11.6	8.2
55°	820.9	766.2	726.1	675.0	658.3	611.2	494.5	201.2	36.9	18.8	8.9
47.5°	2051.6	1959.8	1856.1	1740.0	1639.9	1501.4	1230.1	538.2	44.3	24.3	9.5
42.5°	2454.5	2350.0	2287.2	2202.6	2108.8	2077.8	1871.1	926.9	45.6	27.7	9.7
37.5°	3541.4	3424.4	3263.3	3139.0	3040.6	3026.4	2639.0	1308.4	72.6	31.9	10.1
33°	4716.4	4544.9	4322.8	4130.9	3963.7	3813.6	3233.6	1615.6	169.1	36.7	10.3
29°	5002.7	4813.1	4641.9	4442.5	4288.8	4075.6	3552.4	1865.2	248.7	42.0	10.6
25.5°	4825.1	4683.0	4516.4	4359.8	4244.7	4095.9	3690.0	2004.7	313.1	46.9	10.8
22.5°	4563.1	4438.3	4299.8	4200.2	4137.7	4022.6	3679.5	2082.0	364.4	51.1	11.0
19.5°	4333.0	4246.0	4134.1	4072.4	4045.4	3907.1	3573.3	2159.5	410.7	55.5	11.2
17°	4173.8	4098.8	4024.9	3995.8	3968.7	3790.1	3476.6	2213.8	448.5	57.9	11.4
15°	4080.6	4026.4	3973.4	3952.5	3901.6	3687.3	3412.2	2249.9	474.8	59.8	11.6
13°	4036.1	4000.4	3953.1	3913.4	3826.7	3594.4	3364.7	2292.3	496.4	61.4	11.6
11°	4011.6	3978.5	3915.1	3856.4	3734.4	3512.3	3336.6	2328.8	514.1	62.3	11.8
9°	3997.7	3957.8	3880.5	3777.0	3659.0	3440.9	3319.9	2355.2	528.9	62.7	12.0
7°	4002.1	3936.7	3835.9	3717.1	3590.4	3397.0	3305.4	2374.4	539.0	62.5	12.2
5°	4000.6	3915.3	3799.4	3677.6	3537.4	3356.0	3294.2	2389.7	543.7	61.9	12.5
3°	3992.8	3904.8	3766.7	3619.9	3490.1	3323.3	3289.1	2399.4	547.9	61.2	12.5
1°	3980.4	3879.2	3724.7	3587.4	3456.9	3292.5	3283.6	2403.4	546.8	60.6	12.5
0°	3967.9	3867.0	3710.9	3570.5	3441.7	3275.8	3275.6	2413.5	544.9	60.2	12.5
-1°	3947.6	3840.6	3686.9	3545.4	3421.9	3278.7	3276.0	2404.4	542.8	59.5	12.7
-3°	3892.1	3792.0	3647.2	3507.8	3385.6	3257.2	3268.8	2395.6	539.0	58.9	12.9
-5°	3829.2	3732.3	3602.4	3464.1	3343.6	3224.9	3252.4	2370.6	530.2	58.5	12.9
-7°	3749.2	3676.3	3537.6	3403.3	3289.1	3178.9	3221.3	2346.6	520.5	58.1	13.1
-9°	3667.2	3591.0	3467.5	3333.9	3228.9	3140.7	3178.9	2309.2	507.6	57.6	13.1
-11°	3583.6	3505.1	3381.8	3257.6	3157.6	3080.7	3134.1	2267.4	493.2	57.6	13.3
-13°	3483.6	3411.8	3299.9	3188.2	3092.1	3035.3	3086.0	2214.6	475.7	57.9	13.3
-15°	3406.5	3329.8	3222.6	3118.1	3030.9	2988.6	3029.8	2147.3	459.0	58.3	13.5
-17°	3314.6	3248.3	3150.4	3052.8	2974.1	2943.7	2973.7	2079.1	437.5	58.5	13.5
-19.5°	3135.4	3075.0	3012.9	2948.7	2897.0	2887.3	2901.9	1989.5	408.3	58.9	13.5
-22.5°	3014.8	2953.6	2886.0	2836.2	2800.7	2834.1	2815.7	1865.4	367.0	59.5	13.5
-25.5°	2916.0	2859.6	2792.1	2744.2	2723.9	2796.9	2736.5	1731.1	320.7	59.5	13.5
-29°	2763.6	2714.4	2653.8	2608.4	2597.4	2711.2	2583.1	1575.9	266.2	58.7	13.5
-33°	2596.6	2541.2	2480.0	2431.7	2411.2	2564.5	2329.9	1389.9	198.3	56.4	13.5
-37.5°	2490.2	2428.3	2359.9	2283.9	2237.6	2258.5	1991.4	1123.0	115.3	52.4	13.3
-42.5°	2232.8	2194.8	2110.5	2028.4	1907.2	1762.2	1484.9	805.5	88.0	47.5	13.3
-47.5°	1476.3	1448.4	1421.4	1369.6	1254.2	1103.4	927.3	446.1	83.8	41.6	13.1
-55°	407.9	413.6	438.1	408.1	356.8	312.7	303.4	136.2	77.1	31.9	12.5
-65°	256.1	259.7	211.8	149.9	101.3	77.5	78.5	52.2	51.3	18.6	11.6
-75°	31.2	31.5	26.4	25.1	25.3	28.9	30.2	25.1	20.3	10.6	10.8
-85°	14.1	13.9	13.5	13.1	12.9	12.2	11.4	10.3	9.5	9.7	9.7
-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)