

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: P507789

Luminaire Tested: **UFLD-CA2-80-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507789
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-CA2-80-722-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

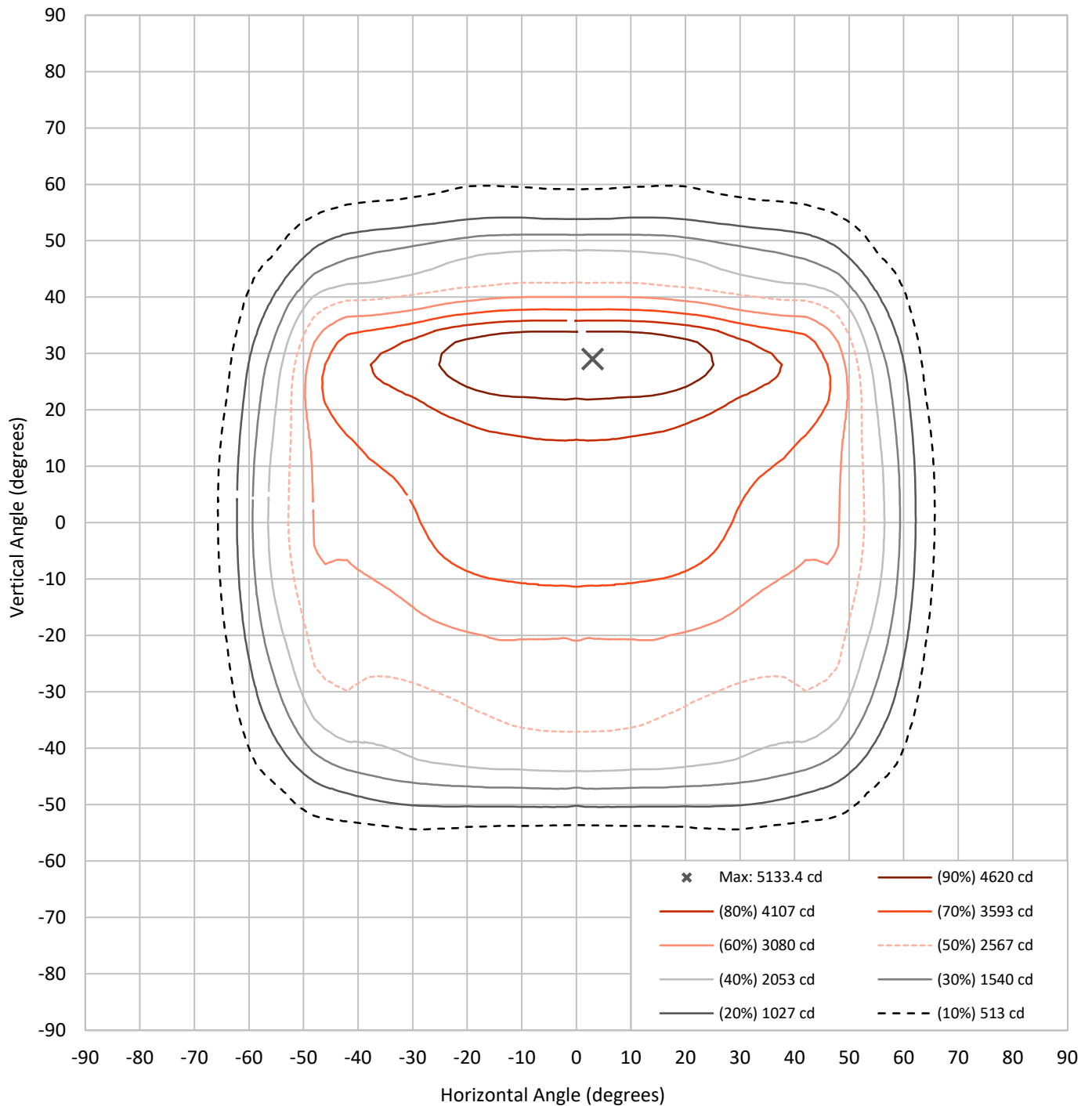
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	9619 lumens	Max Intensity:	5133.4 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	117.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	7146.9 lumens	Field Lumens:	9295.7 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

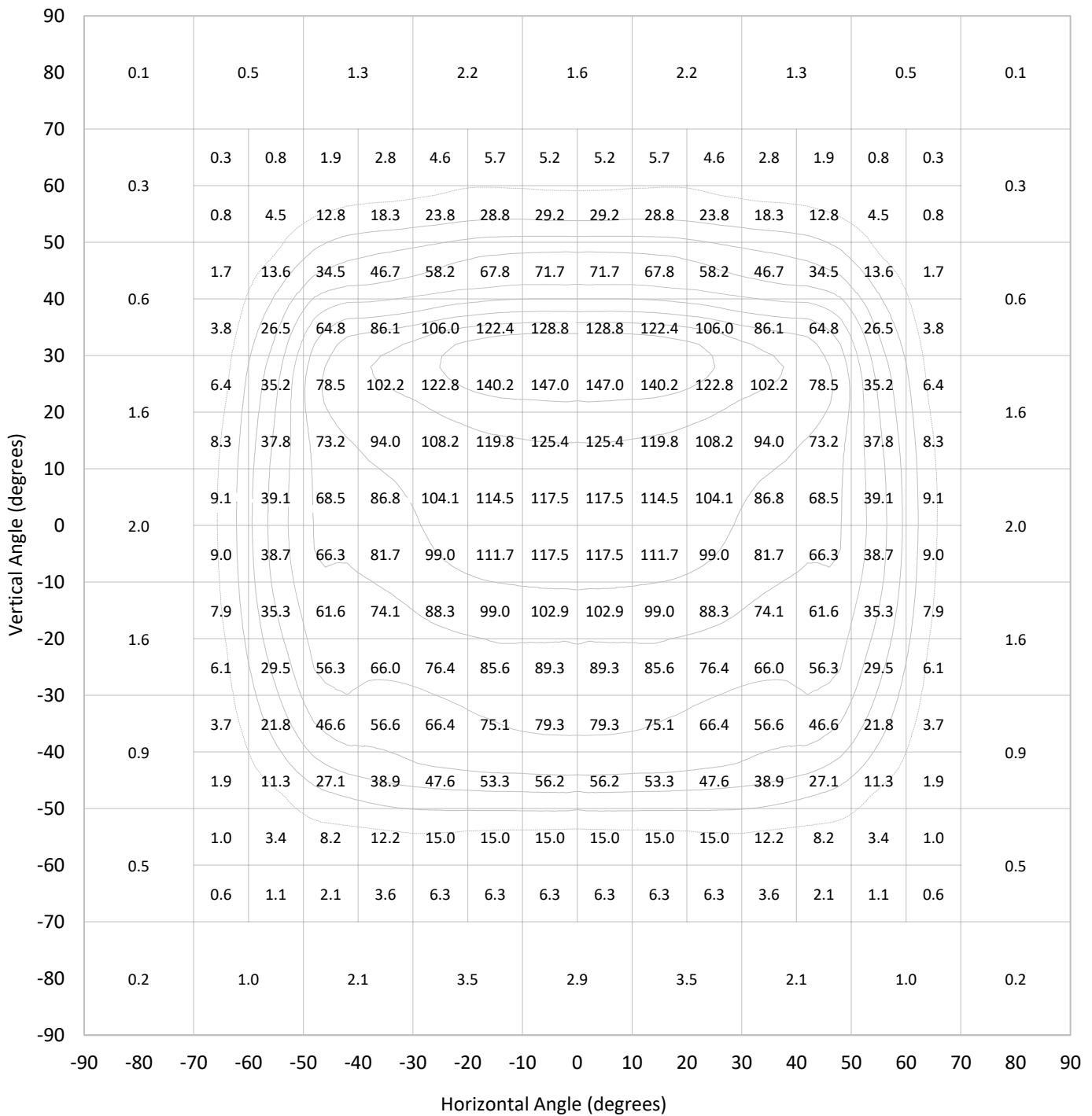




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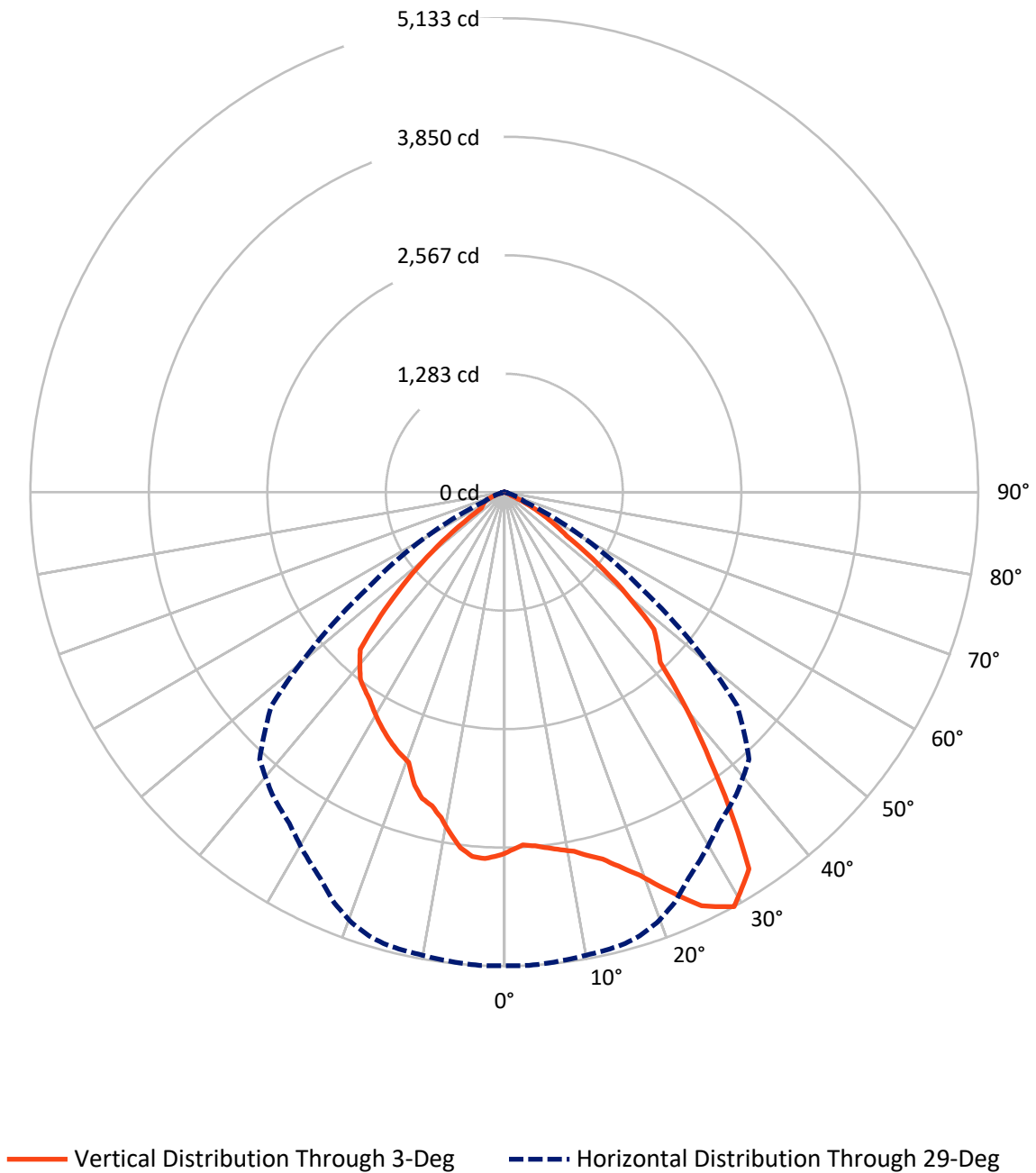
Lumen Table



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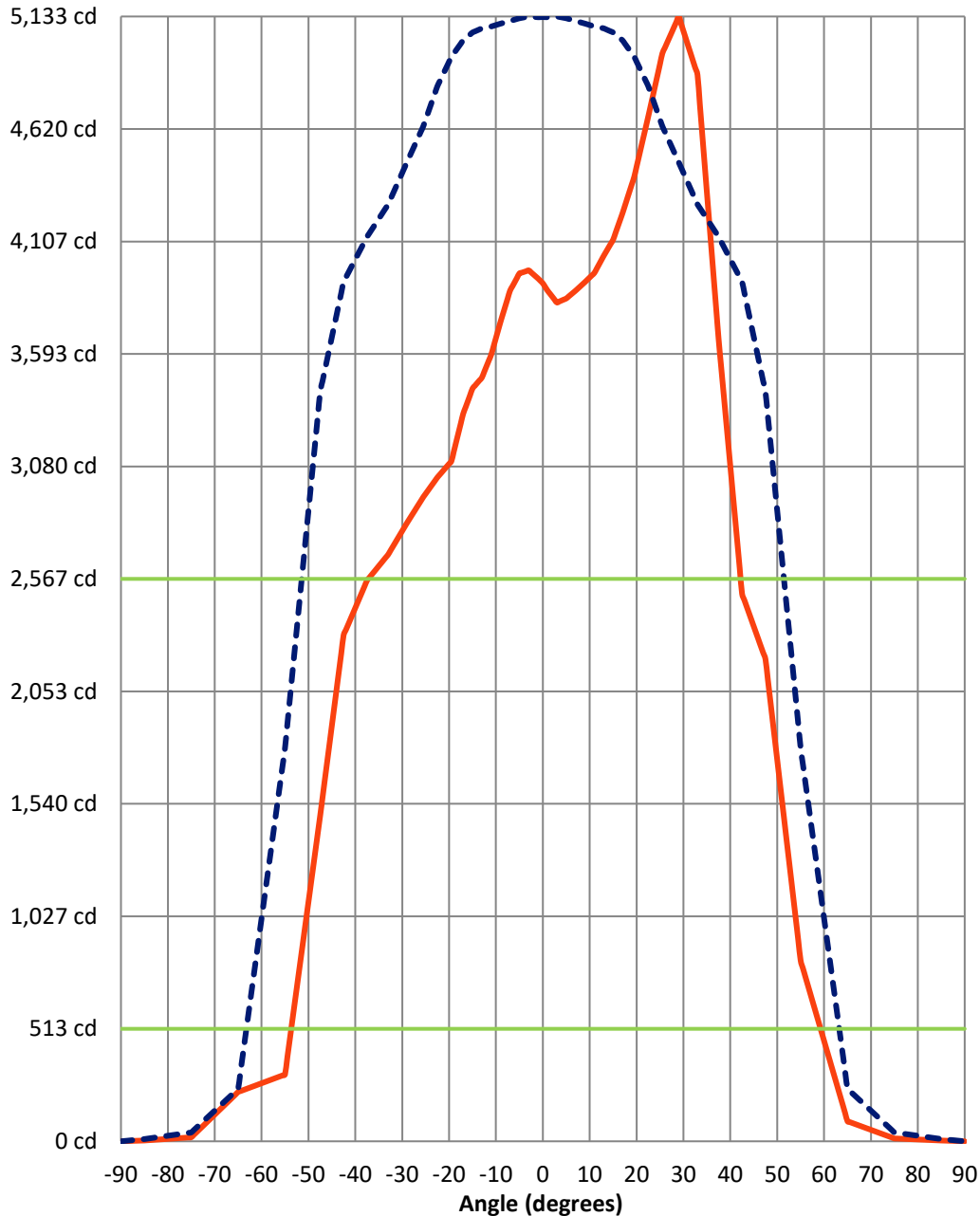
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 7146.9
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 9295.7
 Efficiency: 96.6%

Spill:
 Lumens: 323.4
 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	1.6	3.5	8.1	10.6	12.4	13.6	14.2	14.4	14.4	13.8
75°	12.0	12.2	13.0	11.8	9.3	10.2	14.8	16.9	18.7	19.3	18.3
65°	92.7	92.1	91.4	90.8	88.2	84.3	82.9	91.0	111.8	133.3	143.9
55°	808.8	805.9	825.1	811.6	838.1	863.5	872.6	875.2	878.3	862.9	841.9
47.5°	2192.7	2211.8	2199.8	2198.2	2184.4	2162.8	2149.8	2128.7	2110.2	2106.3	2043.1
42.5°	2516.0	2507.5	2499.5	2517.2	2507.1	2515.6	2514.6	2493.0	2478.0	2447.1	2416.2
37.5°	3646.5	3652.8	3660.7	3662.3	3667.2	3646.7	3632.5	3617.4	3588.6	3539.4	3468.9
33°	4868.6	4879.8	4866.4	4865.6	4876.3	4871.5	4850.5	4831.0	4788.1	4730.4	4665.0
29°	5130.6	5130.0	5133.4	5125.3	5112.9	5100.9	5087.9	5079.2	5060.5	5024.5	4949.5
25.5°	4956.2	4959.1	4964.9	4960.3	4944.6	4935.9	4924.7	4909.5	4877.0	4838.3	4774.5
22.5°	4664.2	4686.5	4677.8	4671.9	4658.5	4637.2	4641.4	4627.0	4601.8	4562.4	4495.3
19.5°	4393.1	4404.3	4402.0	4385.8	4377.5	4360.0	4351.8	4341.3	4319.9	4295.6	4249.8
17°	4219.6	4240.3	4235.8	4225.9	4212.8	4201.3	4186.6	4177.7	4160.2	4133.4	4077.9
15°	4116.5	4125.9	4114.9	4112.9	4114.7	4091.7	4082.4	4059.6	4054.1	4031.6	3982.6
13°	4029.5	4034.2	4041.5	4030.0	4027.9	4019.8	4000.3	3990.7	3971.6	3962.5	3927.1
11°	3961.3	3993.2	3963.1	3971.4	3962.1	3960.9	3949.9	3944.6	3930.4	3916.4	3894.6
9°	3925.7	3931.2	3921.6	3921.2	3917.0	3909.2	3906.6	3906.2	3903.4	3895.6	3882.2
7°	3882.2	3886.9	3882.4	3877.9	3874.7	3871.4	3880.6	3883.6	3896.8	3885.9	3873.1
5°	3852.5	3848.1	3846.5	3845.6	3853.8	3853.8	3871.6	3881.8	3894.2	3897.7	3881.0
3°	3827.1	3832.6	3827.8	3833.6	3849.7	3858.2	3882.2	3897.1	3905.2	3905.4	3898.7
1°	3866.6	3880.0	3882.6	3886.7	3892.6	3897.9	3915.7	3929.0	3920.2	3920.6	3893.4
0°	3903.6	3908.8	3915.7	3911.1	3918.8	3923.5	3936.3	3938.9	3935.5	3920.0	3883.4
-1°	3942.4	3941.1	3937.3	3936.5	3938.3	3932.8	3939.9	3931.2	3920.8	3907.0	3872.7
-3°	3970.2	3980.4	3974.9	3968.6	3948.7	3948.7	3940.7	3908.2	3894.2	3879.8	3831.4
-5°	3946.8	3959.8	3960.7	3940.5	3909.6	3901.5	3876.3	3856.8	3832.4	3808.9	3760.1
-7°	3894.8	3887.9	3881.8	3855.8	3835.5	3816.4	3782.8	3748.9	3742.6	3720.3	3677.4
-9°	3751.3	3756.2	3741.8	3734.9	3712.5	3687.7	3678.0	3653.8	3641.0	3621.1	3581.7
-11°	3608.9	3589.4	3590.8	3595.7	3579.8	3580.0	3569.5	3554.8	3553.0	3534.1	3500.8
-13°	3496.5	3495.1	3485.5	3493.7	3490.6	3491.0	3481.1	3479.2	3475.8	3462.8	3417.9
-15°	3422.3	3434.3	3435.5	3428.6	3430.3	3426.4	3422.7	3414.0	3411.4	3390.8	3343.9
-17°	3314.4	3318.5	3319.5	3318.9	3313.8	3317.9	3322.4	3318.9	3306.1	3290.5	3252.7
-19.5°	3114.9	3098.6	3104.3	3110.0	3111.6	3111.4	3117.9	3128.9	3118.7	3098.2	3066.9
-22.5°	3043.8	3040.3	3029.7	3033.2	3031.6	3026.5	3026.5	3027.3	3021.4	2999.9	2957.2
-25.5°	2937.1	2941.9	2940.3	2938.1	2937.7	2928.5	2928.9	2930.4	2918.8	2895.0	2856.6
-29°	2819.4	2822.7	2821.4	2815.9	2808.4	2792.0	2785.1	2769.6	2749.1	2735.9	2704.8
-33°	2685.5	2677.4	2677.8	2676.9	2667.0	2657.4	2645.9	2626.6	2605.4	2589.0	2556.0
-37.5°	2559.3	2564.0	2559.7	2561.1	2555.4	2545.9	2535.5	2520.9	2500.2	2476.4	2443.7
-42.5°	2318.3	2314.8	2309.5	2298.0	2293.3	2271.1	2257.5	2257.9	2253.2	2235.2	2204.1
-47.5°	1439.2	1477.4	1486.1	1478.6	1471.3	1468.2	1452.8	1451.6	1452.8	1443.0	1419.0
-55°	297.3	296.3	304.8	310.9	323.5	328.4	330.8	321.9	331.8	352.4	362.3
-65°	229.0	228.2	225.0	224.8	221.7	220.5	220.3	218.3	219.7	225.8	232.7
-75°	17.9	17.9	18.1	16.1	14.8	16.7	21.7	23.4	25.8	24.8	27.6
-85°	0.6	1.8	3.7	8.5	11.0	12.6	13.8	14.4	14.4	14.2	14.0
-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°	12.8	12.0	11.4	10.6	9.1	7.7	6.7	5.7	6.5	5.7	6.9
75°	16.5	16.7	20.9	26.2	23.6	15.9	11.0	9.1	12.0	6.9	7.5
65°	125.4	80.9	50.2	37.8	30.7	26.0	31.9	24.2	22.4	11.2	7.9
55°	790.1	737.5	698.9	649.7	633.6	588.3	475.9	193.7	35.6	18.1	8.5
47.5°	1974.6	1886.2	1786.5	1674.7	1578.4	1445.1	1183.9	518.0	42.7	23.4	9.1
42.5°	2362.4	2261.8	2201.4	2119.9	2029.7	1999.8	1800.9	892.1	43.9	26.6	9.3
37.5°	3408.5	3295.9	3140.9	3021.2	2926.5	2912.9	2540.0	1259.3	69.9	30.7	9.8
33°	4539.4	4374.4	4160.6	3975.9	3815.0	3670.5	3112.2	1555.0	162.8	35.4	10.0
29°	4815.0	4632.5	4467.7	4275.8	4127.9	3922.7	3419.1	1795.2	239.4	40.4	10.2
25.5°	4644.1	4507.3	4347.0	4196.2	4085.4	3942.2	3551.6	1929.5	301.4	45.1	10.4
22.5°	4391.9	4271.8	4138.5	4042.6	3982.4	3871.6	3541.4	2003.9	350.7	49.2	10.6
19.5°	4170.4	4086.7	3978.9	3919.6	3893.6	3760.5	3439.2	2078.5	395.3	53.4	10.8
17°	4017.2	3945.0	3873.9	3845.8	3819.8	3647.9	3346.1	2130.7	431.6	55.7	11.0
15°	3927.5	3875.3	3824.3	3804.2	3755.2	3548.9	3284.2	2165.5	457.0	57.5	11.2
13°	3884.7	3850.3	3804.8	3766.6	3683.1	3459.5	3238.4	2206.3	477.8	59.1	11.2
11°	3861.1	3829.2	3768.2	3711.7	3594.3	3380.5	3211.4	2241.5	494.8	59.9	11.4
9°	3847.7	3809.3	3734.9	3635.3	3521.7	3311.8	3195.3	2266.9	509.1	60.4	11.6
7°	3851.9	3788.9	3692.0	3577.6	3455.7	3269.5	3181.3	2285.4	518.8	60.2	11.8
5°	3850.5	3768.4	3656.9	3539.6	3404.7	3230.1	3170.6	2300.0	523.3	59.5	12.0
3°	3843.0	3758.3	3625.4	3484.1	3359.1	3198.6	3165.7	2309.3	527.3	58.9	12.0
1°	3831.0	3733.7	3584.9	3452.8	3327.2	3168.9	3160.4	2313.2	526.3	58.3	12.0
0°	3819.0	3721.9	3571.7	3436.6	3312.6	3152.9	3152.7	2322.9	524.5	57.9	12.0
-1°	3799.5	3696.5	3548.5	3412.4	3293.5	3155.7	3153.1	2314.2	522.5	57.3	12.2
-3°	3746.1	3649.7	3510.3	3376.2	3258.5	3135.0	3146.2	2305.7	518.8	56.7	12.4
-5°	3685.5	3592.2	3467.3	3334.1	3218.1	3103.9	3130.3	2281.7	510.3	56.3	12.4
-7°	3608.5	3538.4	3404.9	3275.6	3165.7	3059.6	3100.4	2258.5	500.9	55.9	12.6
-9°	3529.6	3456.3	3337.4	3208.8	3107.8	3022.8	3059.6	2222.6	488.5	55.5	12.6
-11°	3449.2	3373.6	3254.9	3135.4	3039.1	2965.1	3016.5	2182.3	474.7	55.5	12.8
-13°	3352.8	3283.7	3176.0	3068.5	2976.1	2921.4	2970.2	2131.5	457.8	55.7	12.8
-15°	3278.7	3204.9	3101.7	3001.1	2917.1	2876.5	2916.1	2066.7	441.8	56.1	13.0
-17°	3190.3	3126.5	3032.2	2938.3	2862.5	2833.2	2862.1	2001.1	421.1	56.3	13.0
-19.5°	3017.7	2959.6	2899.9	2838.1	2788.3	2779.0	2793.0	1914.9	393.0	56.7	13.0
-22.5°	2901.7	2842.8	2777.7	2729.8	2695.6	2727.8	2710.1	1795.4	353.2	57.3	13.0
-25.5°	2806.6	2752.3	2687.3	2641.2	2621.7	2692.0	2633.9	1666.2	308.7	57.3	13.0
-29°	2659.9	2612.5	2554.2	2510.5	2499.9	2609.5	2486.1	1516.8	256.3	56.5	13.0
-33°	2499.1	2445.9	2387.0	2340.4	2320.7	2468.2	2242.5	1337.8	190.8	54.3	13.0
-37.5°	2396.7	2337.2	2271.3	2198.2	2153.7	2173.8	1916.7	1080.9	111.0	50.4	12.8
-42.5°	2149.0	2112.4	2031.3	1952.3	1835.6	1696.0	1429.2	775.3	84.7	45.7	12.8
-47.5°	1420.9	1394.1	1368.0	1318.3	1207.1	1062.0	892.5	429.4	80.7	40.0	12.6
-55°	392.6	398.1	421.7	392.8	343.4	301.0	292.0	131.1	74.2	30.7	12.0
-65°	246.5	250.0	203.8	144.3	97.5	74.6	75.6	50.2	49.4	17.9	11.2
-75°	30.1	30.3	25.4	24.2	24.4	27.8	29.1	24.2	19.5	10.2	10.4
-85°	13.6	13.4	13.0	12.6	12.4	11.8	11.0	10.0	9.1	9.3	9.3
-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)