

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: P507793

Luminaire Tested: **UFLD-CA2-80-750-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507793
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-CA2-80-750-U-66
Description: UTILITY FLOOD, 6x6 OPTIC
Light Source: (2) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

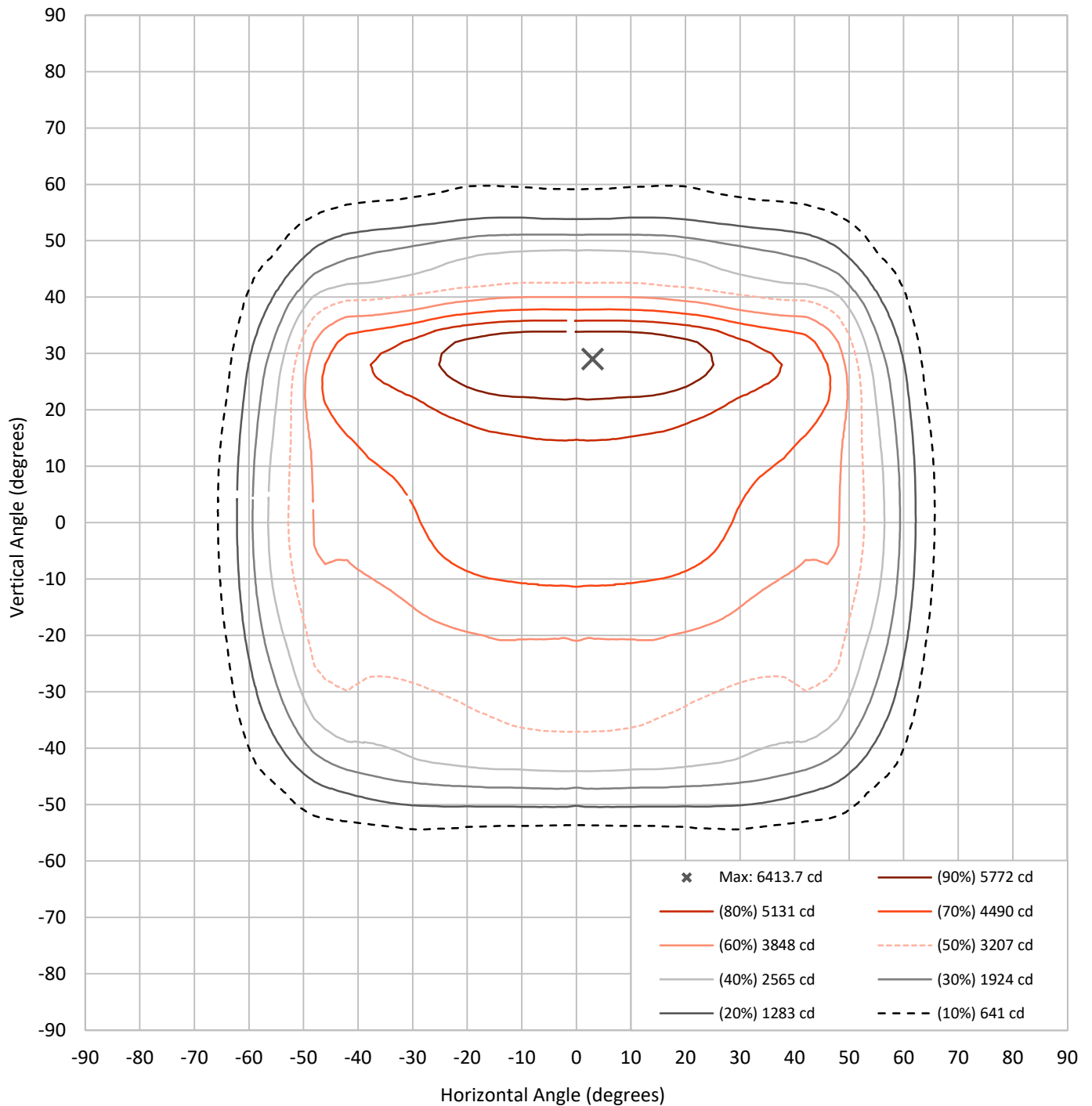
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	12018 lumens	Max Intensity:	6413.7 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	146.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 0.67' x H: 0')		
Beam Angle (50%):	102.9°H x 79.4°V	Field Angle (10%):	126.5°H x 112.9°V
Beam Lumens:	8929.4 lumens	Field Lumens:	11614 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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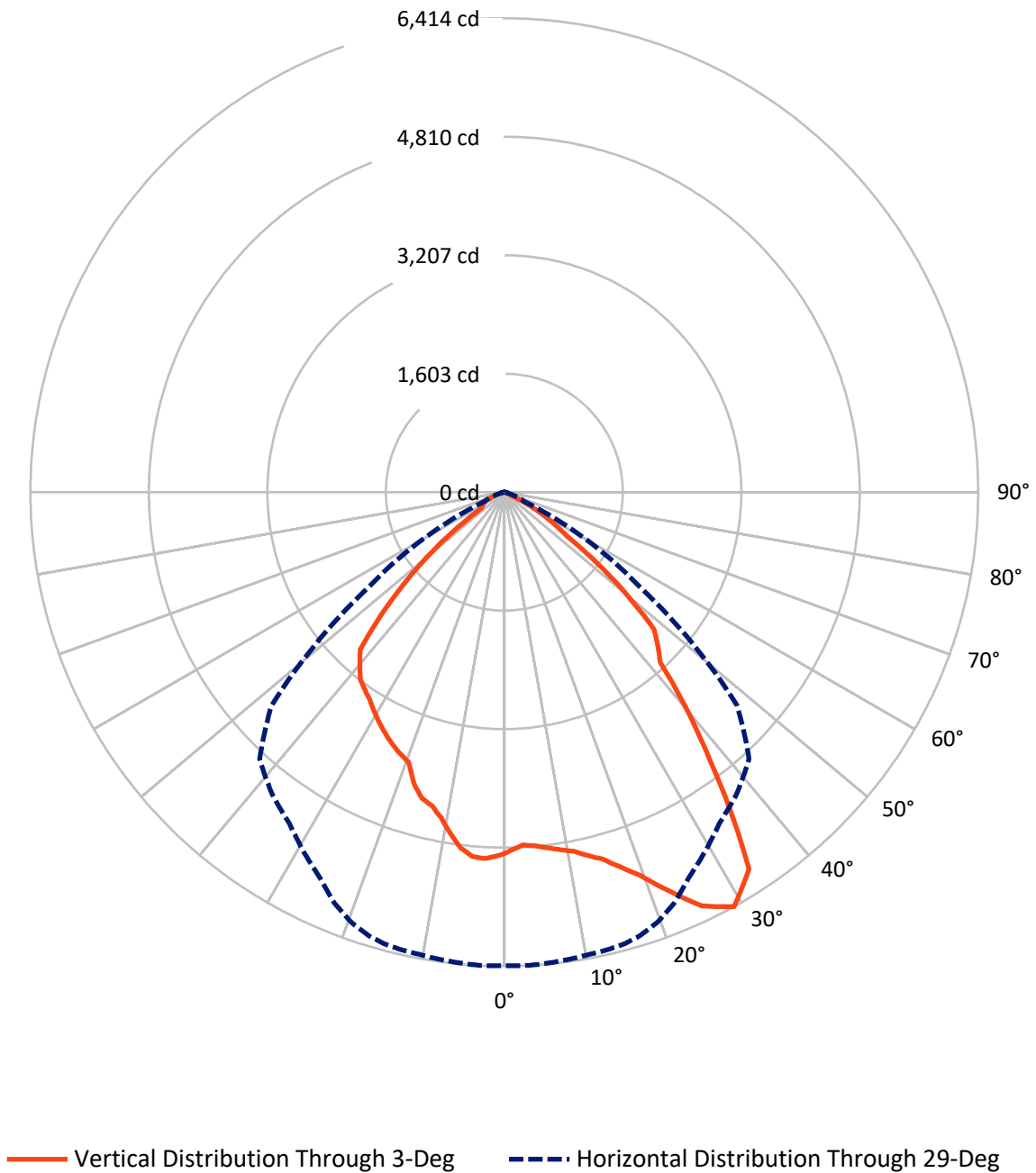
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Iso-Candela Plot



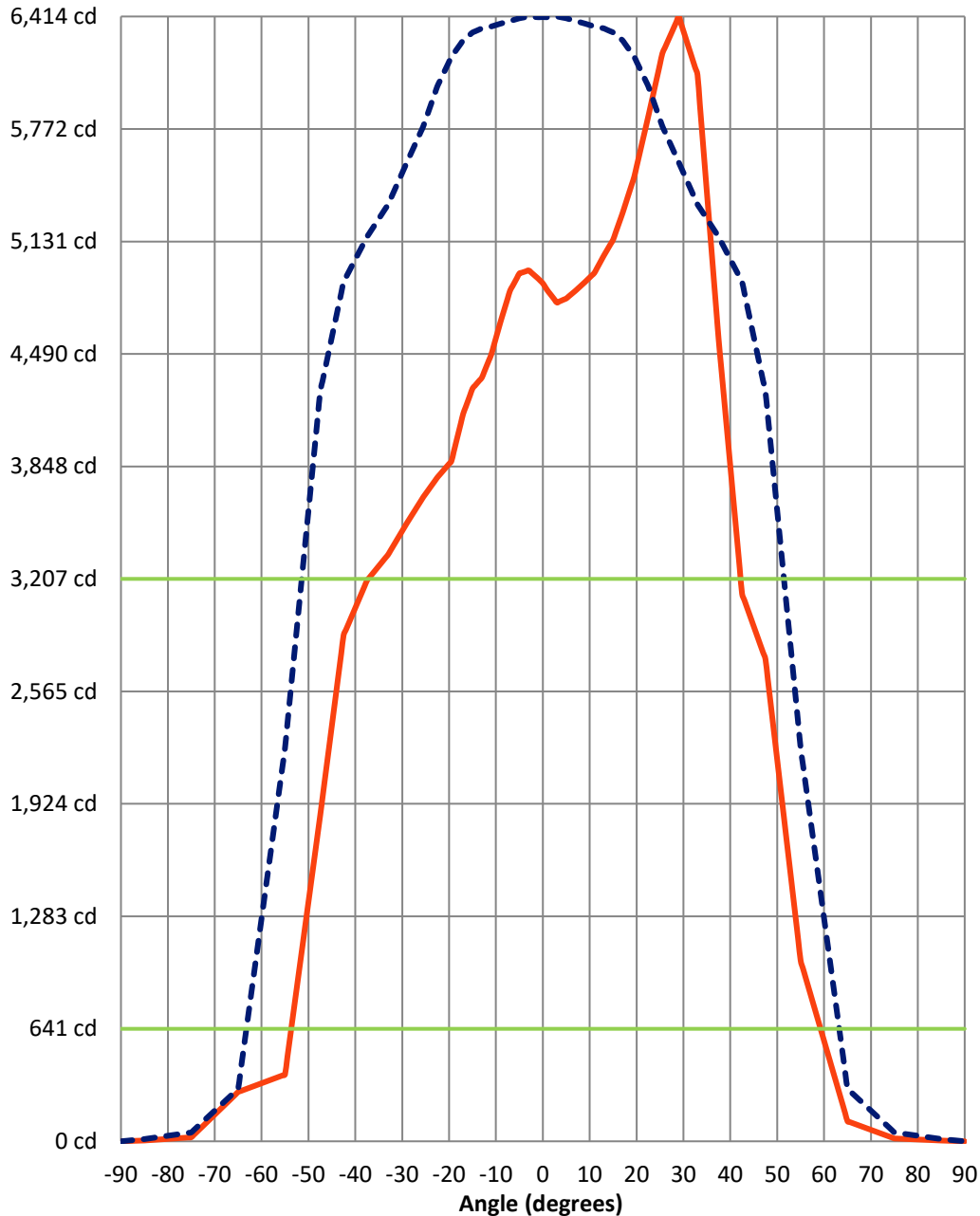
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 102.9°
 V Angle: 79.4°
 Lumens: 8929.4
 Efficiency: 74.3%

Field:
 H Angle: 126.5°
 V Angle: 112.9°
 Lumens: 11614
 Efficiency: 96.6%

Spill:
 Lumens: 404
 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°	0.3	2.0	4.3	10.2	13.2	15.5	17.0	17.8	18.0	18.0	17.3
75°	15.0	15.2	16.2	14.7	11.7	12.7	18.5	21.1	23.4	24.1	22.9
65°	115.8	115.0	114.3	113.5	110.2	105.4	103.6	113.7	139.6	166.6	179.8
55°	1010.5	1007.0	1030.8	1014.1	1047.1	1078.8	1090.2	1093.5	1097.3	1078.0	1051.9
47.5°	2739.5	2763.4	2748.4	2746.4	2729.1	2702.2	2686.0	2659.6	2636.5	2631.6	2552.7
42.5°	3143.5	3132.8	3122.9	3145.0	3132.3	3143.0	3141.7	3114.8	3096.0	3057.4	3018.8
37.5°	4555.9	4563.8	4573.7	4575.7	4581.8	4556.2	4538.4	4519.6	4483.6	4422.1	4334.0
33°	6082.9	6096.8	6080.1	6079.1	6092.5	6086.4	6060.3	6035.9	5982.3	5910.2	5828.5
29°	6410.1	6409.4	6413.7	6403.5	6388.0	6373.1	6356.8	6345.9	6322.5	6277.6	6183.9
25.5°	6192.3	6195.8	6203.2	6197.4	6177.8	6166.9	6152.9	6133.9	6093.3	6045.0	5965.3
22.5°	5827.4	5855.4	5844.5	5837.1	5820.3	5793.7	5799.0	5781.0	5749.5	5700.2	5616.5
19.5°	5488.7	5502.7	5499.9	5479.6	5469.2	5447.4	5437.2	5424.0	5397.3	5366.9	5309.7
17°	5271.9	5297.8	5292.2	5279.8	5263.5	5249.1	5230.8	5219.6	5197.8	5164.3	5095.0
15°	5143.2	5154.9	5141.2	5138.6	5140.9	5112.2	5100.5	5072.1	5065.2	5037.1	4975.9
13°	5034.5	5040.4	5049.5	5035.0	5032.5	5022.3	4998.0	4986.0	4962.2	4950.7	4906.6
11°	4949.2	4989.1	4951.5	4961.9	4950.2	4948.7	4935.0	4928.4	4910.6	4893.1	4865.9
9°	4904.8	4911.6	4899.7	4899.2	4893.9	4884.2	4880.9	4880.4	4876.9	4867.2	4850.4
7°	4850.4	4856.3	4850.7	4845.1	4841.1	4837.0	4848.4	4852.2	4868.7	4855.0	4839.0
5°	4813.4	4807.8	4805.8	4804.7	4814.9	4814.9	4837.2	4849.9	4865.4	4869.7	4848.9
3°	4781.6	4788.5	4782.4	4789.8	4809.8	4820.5	4850.4	4869.0	4879.1	4879.4	4871.0
1°	4830.9	4847.7	4851.0	4856.0	4863.4	4870.0	4892.3	4908.8	4897.9	4898.4	4864.4
0°	4877.1	4883.7	4892.3	4886.5	4896.2	4902.0	4918.0	4921.3	4917.0	4897.7	4852.0
-1°	4925.6	4924.1	4919.3	4918.2	4920.5	4913.7	4922.6	4911.6	4898.7	4881.4	4838.5
-3°	4960.4	4973.1	4966.2	4958.4	4933.5	4933.5	4923.6	4882.9	4865.4	4847.4	4787.0
-5°	4931.2	4947.4	4948.5	4923.3	4884.7	4874.6	4843.1	4818.7	4788.2	4758.8	4697.9
-7°	4866.2	4857.6	4849.9	4817.4	4792.1	4768.2	4726.3	4683.9	4676.0	4648.1	4594.5
-9°	4686.9	4693.0	4675.0	4666.4	4638.4	4607.5	4595.3	4565.1	4549.1	4524.2	4474.9
-11°	4509.0	4484.6	4486.4	4492.5	4472.7	4472.9	4459.7	4441.4	4439.1	4415.5	4373.9
-13°	4368.6	4366.8	4354.8	4365.0	4361.2	4361.7	4349.3	4347.0	4342.7	4326.4	4270.3
-15°	4275.9	4290.9	4292.4	4283.8	4285.8	4281.0	4276.4	4265.5	4262.2	4236.5	4177.9
-17°	4141.1	4146.1	4147.4	4146.6	4140.3	4145.4	4151.0	4146.6	4130.7	4111.1	4063.9
-19.5°	3891.7	3871.4	3878.5	3885.6	3887.7	3887.4	3895.5	3909.3	3896.6	3870.9	3831.8
-22.5°	3802.9	3798.6	3785.4	3789.7	3787.6	3781.3	3781.3	3782.3	3774.9	3748.0	3694.7
-25.5°	3669.6	3675.7	3673.6	3670.8	3670.3	3658.9	3659.4	3661.2	3646.7	3617.0	3569.0
-29°	3522.6	3526.6	3525.1	3518.3	3508.9	3488.3	3479.7	3460.4	3434.7	3418.2	3379.4
-33°	3355.2	3345.1	3345.6	3344.6	3332.1	3320.2	3305.7	3281.6	3255.2	3234.6	3193.5
-37.5°	3197.6	3203.4	3198.1	3199.9	3192.8	3180.8	3167.9	3149.6	3123.7	3094.0	3053.1
-42.5°	2896.5	2892.1	2885.5	2871.1	2865.2	2837.6	2820.5	2821.1	2815.2	2792.6	2753.8
-47.5°	1798.1	1845.8	1856.7	1847.4	1838.2	1834.4	1815.1	1813.6	1815.1	1802.9	1773.0
-55°	371.5	370.2	380.8	388.5	404.2	410.3	413.3	402.2	414.6	440.3	452.7
-65°	286.1	285.1	281.1	280.8	277.0	275.5	275.2	272.7	274.5	282.1	290.7
-75°	22.3	22.3	22.6	20.1	18.5	20.8	27.2	29.2	32.2	31.0	34.5
-85°	0.8	2.3	4.6	10.7	13.7	15.7	17.3	18.0	18.0	17.8	17.5
-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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CATALOG NUMBER: UFLD-CA2-80-750-U-66

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°	16.0	15.0	14.2	13.2	11.4	9.6	8.4	7.1	8.1	7.1	8.6
75°	20.6	20.8	26.2	32.8	29.5	19.8	13.7	11.4	15.0	8.6	9.4
65°	156.7	101.1	62.7	47.2	38.3	32.5	39.9	30.2	27.9	14.0	9.9
55°	987.2	921.4	873.2	811.7	791.7	735.0	594.6	242.0	44.4	22.6	10.7
47.5°	2467.1	2356.7	2232.0	2092.4	1972.0	1805.5	1479.2	647.2	53.3	29.2	11.4
42.5°	2951.6	2825.9	2750.5	2648.7	2535.9	2498.6	2250.0	1114.6	54.8	33.3	11.7
37.5°	4258.6	4118.0	3924.2	3774.7	3656.4	3639.4	3173.5	1573.4	87.3	38.3	12.2
33°	5671.6	5465.4	5198.3	4967.5	4766.4	4585.9	3888.4	1942.8	203.4	44.2	12.4
29°	6015.8	5787.8	5581.9	5342.2	5157.4	4901.0	4271.8	2242.9	299.1	50.5	12.7
25.5°	5802.3	5631.4	5431.1	5242.7	5104.3	4925.3	4437.4	2410.8	376.5	56.4	12.9
22.5°	5487.2	5337.2	5170.6	5050.8	4975.6	4837.2	4424.7	2503.7	438.2	61.4	13.2
19.5°	5210.5	5105.9	4971.3	4897.2	4864.7	4698.4	4297.0	2596.9	493.8	66.8	13.5
17°	5019.0	4928.9	4840.0	4805.0	4772.5	4557.7	4180.7	2662.1	539.3	69.6	13.7
15°	4907.1	4841.8	4778.1	4753.0	4691.8	4434.1	4103.2	2705.5	571.0	71.9	14.0
13°	4853.5	4810.6	4753.7	4706.0	4601.6	4322.3	4046.1	2756.6	596.9	73.9	14.0
11°	4824.0	4784.2	4708.0	4637.4	4490.7	4223.6	4012.3	2800.5	618.2	74.9	14.2
9°	4807.3	4759.3	4666.4	4542.0	4400.0	4137.8	3992.3	2832.2	636.0	75.4	14.5
7°	4812.6	4733.9	4612.8	4469.9	4317.5	4084.9	3974.8	2855.3	648.2	75.2	14.7
5°	4810.8	4708.3	4568.9	4422.4	4253.8	4035.7	3961.3	2873.6	653.8	74.4	15.0
3°	4801.4	4695.6	4529.5	4353.1	4196.9	3996.3	3955.2	2885.3	658.9	73.6	15.0
1°	4786.5	4664.9	4479.0	4314.0	4157.1	3959.3	3948.6	2890.1	657.6	72.9	15.0
0°	4771.5	4650.1	4462.5	4293.7	4138.8	3939.2	3939.0	2902.3	655.3	72.4	15.0
-1°	4747.1	4618.4	4433.6	4263.4	4114.9	3942.8	3939.5	2891.4	652.8	71.6	15.2
-3°	4680.3	4560.0	4385.8	4218.2	4071.2	3916.9	3930.8	2880.7	648.2	70.8	15.5
-5°	4604.7	4488.1	4332.0	4165.7	4020.7	3878.0	3911.0	2850.8	637.5	70.3	15.5
-7°	4508.4	4420.9	4254.0	4092.6	3955.2	3822.7	3873.7	2821.8	625.9	69.8	15.7
-9°	4409.9	4318.3	4169.8	4009.0	3882.8	3776.7	3822.7	2776.9	610.4	69.3	15.7
-11°	4309.4	4214.9	4066.7	3917.4	3797.0	3704.6	3768.8	2726.6	593.1	69.3	16.0
-13°	4189.0	4102.7	3968.2	3833.8	3718.3	3650.0	3711.0	2663.1	572.0	69.6	16.0
-15°	4096.4	4004.2	3875.2	3749.6	3644.7	3593.9	3643.4	2582.1	552.0	70.1	16.2
-17°	3985.9	3906.2	3788.4	3671.1	3576.4	3539.8	3575.9	2500.1	526.1	70.3	16.2
-19.5°	3770.4	3697.8	3623.1	3545.9	3483.7	3472.0	3489.6	2392.5	491.0	70.8	16.2
-22.5°	3625.4	3551.8	3470.5	3410.6	3367.9	3408.1	3386.0	2243.2	441.3	71.6	16.2
-25.5°	3506.6	3438.8	3357.5	3299.9	3275.5	3363.4	3290.8	2081.7	385.7	71.6	16.2
-29°	3323.3	3264.1	3191.2	3136.6	3123.4	3260.3	3106.2	1895.1	320.2	70.6	16.2
-33°	3122.4	3055.9	2982.3	2924.1	2899.5	3083.8	2801.8	1671.4	238.4	67.8	16.2
-37.5°	2994.5	2920.1	2837.8	2746.4	2690.8	2715.9	2394.8	1350.5	138.6	63.0	16.0
-42.5°	2685.0	2639.3	2538.0	2439.2	2293.5	2119.0	1785.7	968.6	105.9	57.1	16.0
-47.5°	1775.2	1741.7	1709.2	1647.0	1508.1	1326.9	1115.1	536.5	100.8	50.0	15.7
-55°	490.5	497.4	526.8	490.8	429.1	376.0	364.9	163.8	92.7	38.3	15.0
-65°	308.0	312.3	254.7	180.3	121.9	93.2	94.4	62.7	61.7	22.3	14.0
-75°	37.6	37.8	31.7	30.2	30.5	34.8	36.3	30.2	24.4	12.7	12.9
-85°	17.0	16.8	16.2	15.7	15.5	14.7	13.7	12.4	11.4	11.7	11.7
-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)