

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: P507797

Luminaire Tested: **UFLD-L-CA4-240-730-U-33**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-240-730-U-33
Description: UTILITY FLOOD LARGE, 3X3 OPTIC
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	30232 lumens	Max Intensity:	149106.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.25' x L: 1.33' x H: 0')		
Beam Angle (50%):	22.2°H x 22.1°V	Field Angle (10%):	47.3°H x 46.7°V
Beam Lumens:	13052.5 lumens	Field Lumens:	26272.8 lumens
Beam Efficiency:	43.2%	Field Efficiency:	86.9%

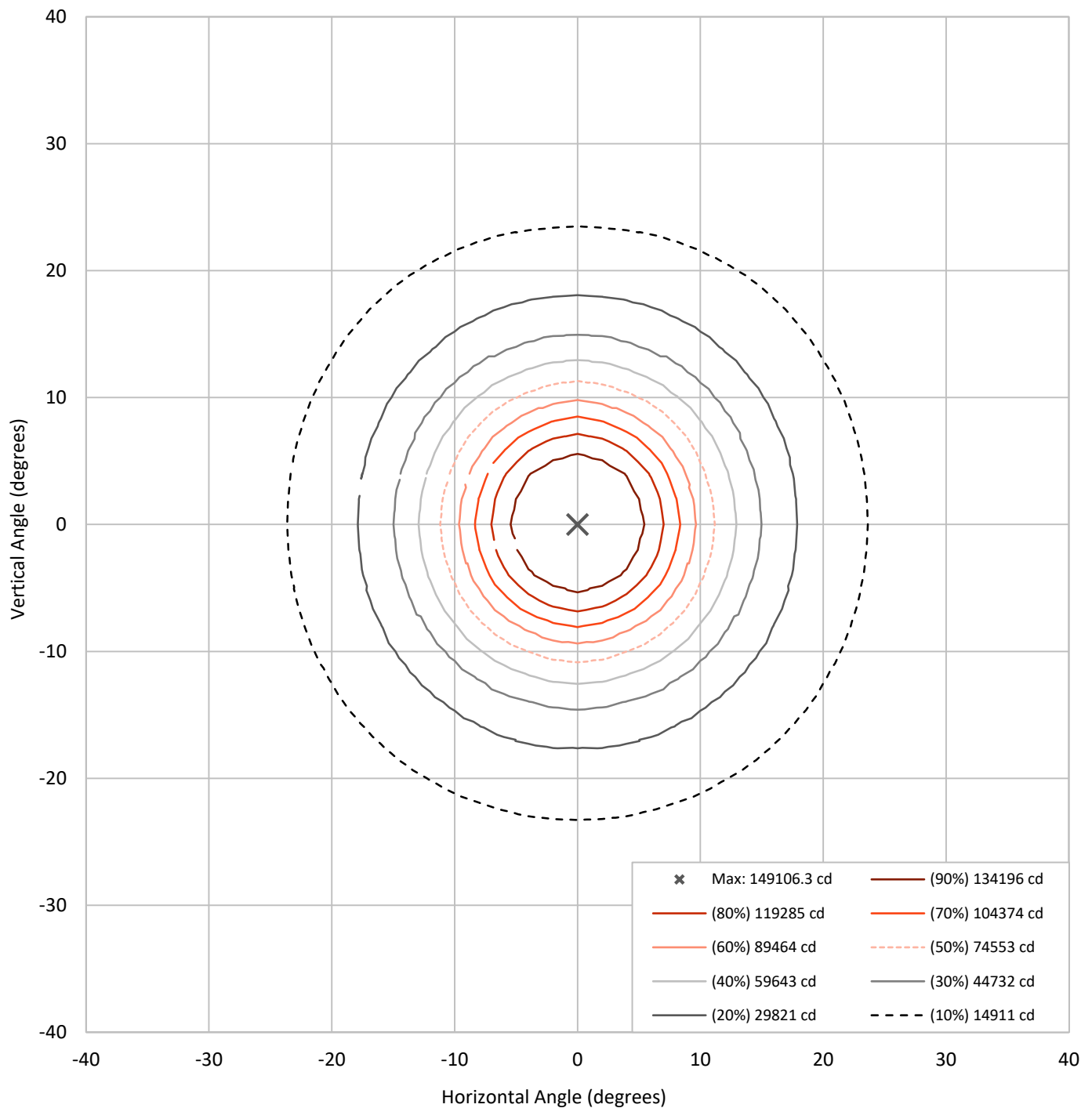
Input Watts (W): 242
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot



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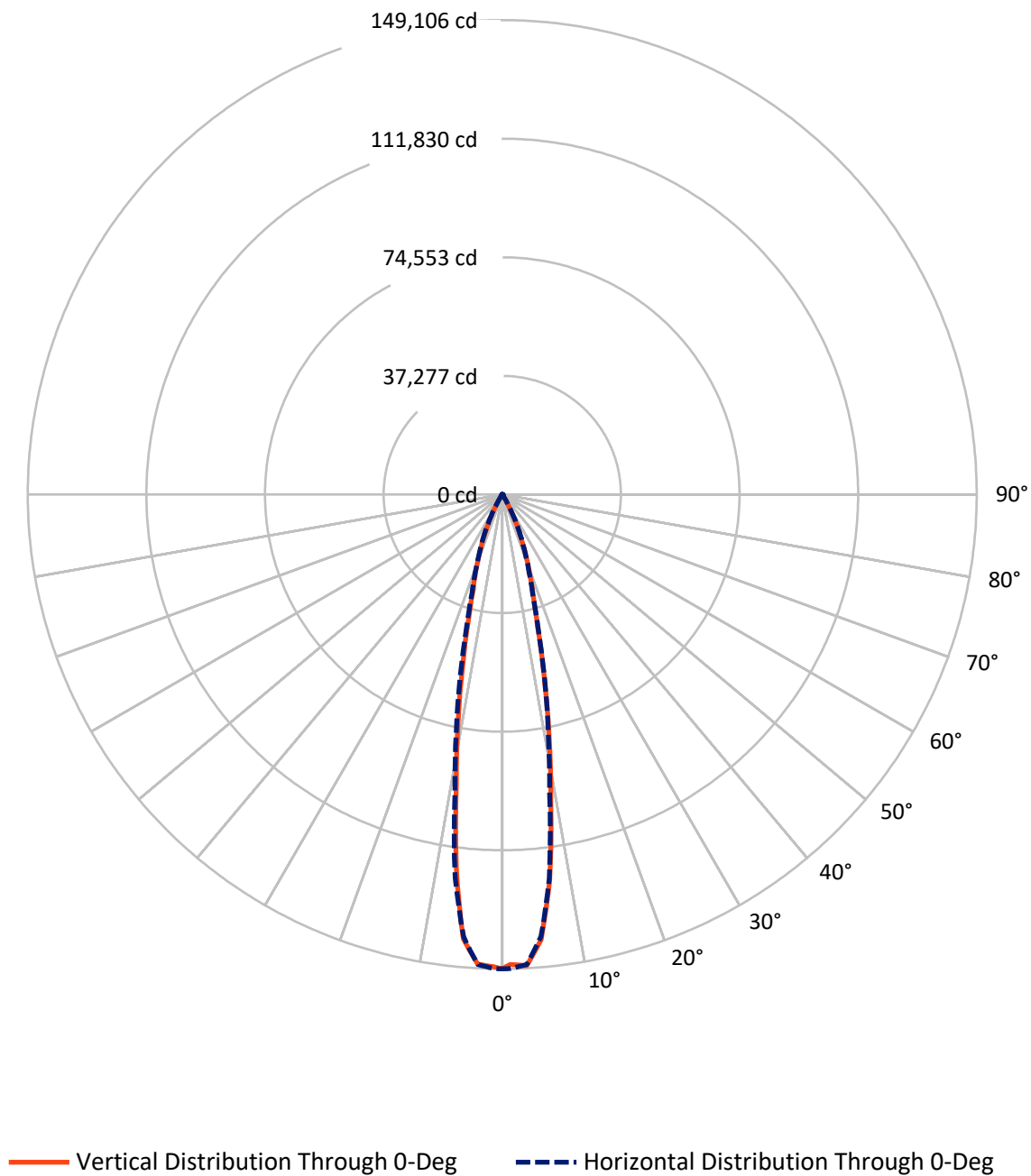
Lumen Table

[illegible]

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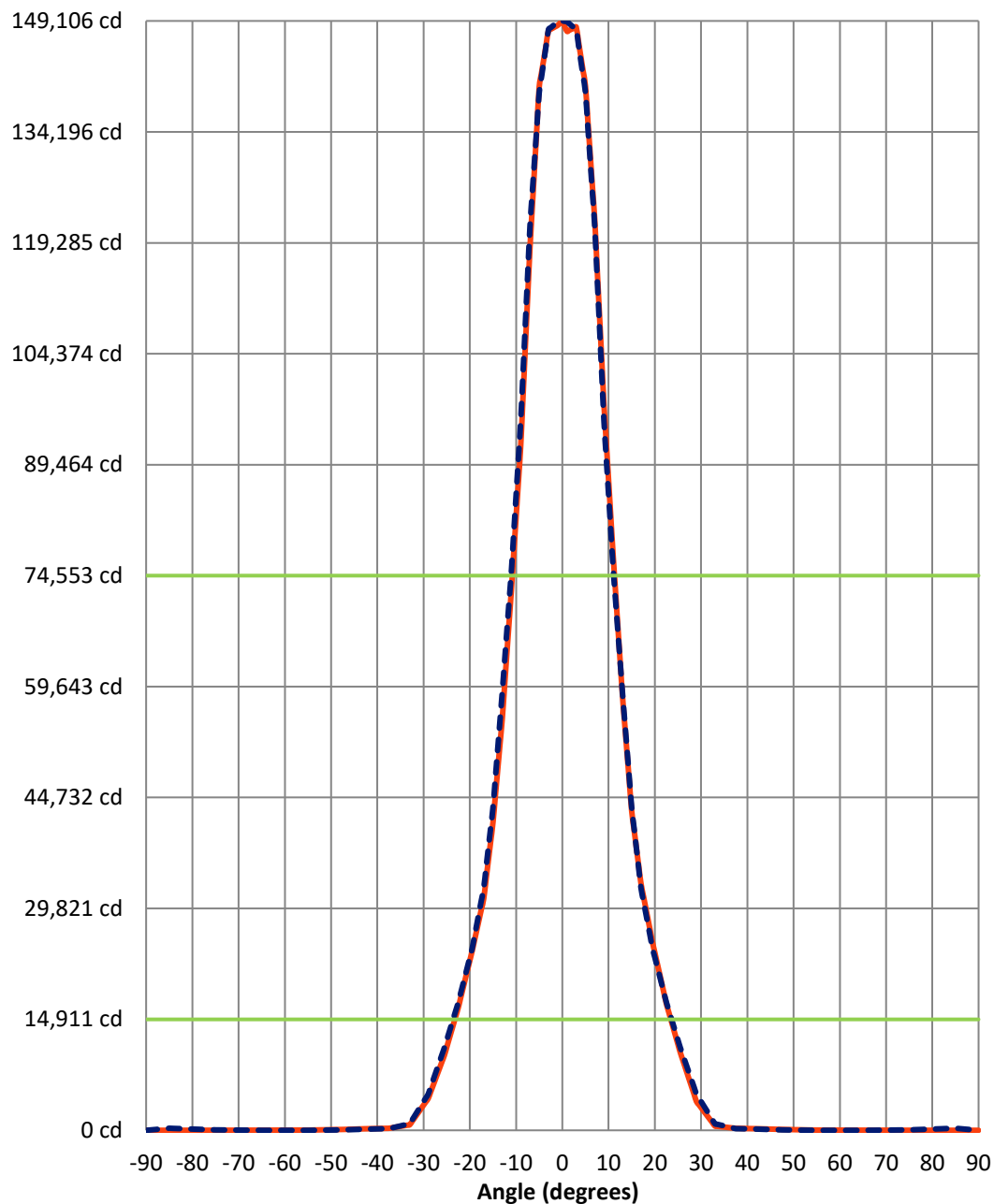
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 22.2°
V Angle: 22.1°
Lumens: 13052.5
Efficiency: 43.2%

Field:

H Angle: 47.3°
V Angle: 46.7°
Lumens: 26272.8
Efficiency: 86.9%

Spill:

Lumens: 3959.2
Efficiency: 13.1%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-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°	0.9	18.2	73.7	96.2	64.1	53.7	62.4	71.1	88.4	104.9	134.4
75°	8.7	10.4	22.5	41.6	58.9	79.7	98.8	104.0	97.1	84.9	69.3
65°	19.9	20.8	24.3	32.1	43.3	54.6	65.0	76.3	90.1	101.4	108.4
55°	30.3	31.2	32.9	38.1	45.1	52.9	59.8	67.6	74.5	82.3	94.5
47.5°	118.8	122.2	123.1	120.5	124.0	130.0	130.0	129.2	128.3	125.7	120.5
42.5°	208.9	210.6	211.5	211.5	211.5	212.4	213.2	211.5	208.9	207.2	200.2
37.5°	271.3	270.4	270.4	269.6	269.6	267.0	264.4	260.9	258.3	254.0	247.9
33°	573.8	556.5	557.4	527.0	492.3	462.0	467.2	429.9	375.3	329.4	289.5
29°	3877.2	3891.9	3843.4	3622.4	3430.8	3052.0	2602.1	2015.3	1452.8	864.2	565.2
25.5°	10462.3	10327.9	9982.9	9600.7	8893.4	8151.4	6904.1	5884.7	4577.6	3418.7	2069.9
22.5°	16994.5	16936.4	16632.2	16072.2	15082.3	13753.5	12269.6	10548.1	8704.4	6784.5	4587.1
19.5°	25246.5	24895.4	24391.8	23368.1	21922.3	20147.9	17924.6	15847.7	13537.7	11073.4	7901.8
17°	33178.6	33286.0	32558.8	30846.0	28620.0	26273.6	23239.8	20395.8	17488.6	14655.9	10993.6
15°	42873.7	43549.8	41569.2	38966.2	35739.9	32120.2	28150.2	24376.2	20850.9	17433.1	13438.0
13°	58386.9	58412.9	56108.9	50549.2	45140.4	39559.9	33585.1	28776.9	24285.2	20370.7	15683.9
11°	77113.2	75953.5	72483.7	66648.3	59064.7	49298.5	40705.9	33761.0	28133.8	22998.8	17873.4
9°	97581.9	96239.2	91271.6	82253.4	73195.3	61269.8	49435.4	39199.4	31889.6	25832.4	20013.6
7°	122412.3	122238.9	113694.8	101265.8	86736.5	73275.0	58697.2	45299.0	35414.9	28275.9	21584.2
5°	140334.3	140494.6	133896.5	121590.5	101269.3	82154.6	66701.2	51355.4	38865.6	30336.3	22971.1
3°	148289.8	148237.7	144568.6	134079.4	114516.6	90078.9	72392.6	56218.1	41746.9	31782.1	23880.4
1°	147712.5	148406.8	147447.2	139228.2	120723.7	94776.0	75166.4	58461.4	43334.9	32492.0	24370.1
0°	149106.3	149003.1	147950.8	139483.9	121540.3	95339.5	75391.8	58814.2	43370.4	32580.5	24437.7
-1°	148519.5	148494.3	147502.7	138845.1	120254.8	94503.0	74948.8	58406.8	43068.8	32417.5	24323.3
-3°	147825.1	147869.4	143660.2	133233.4	112642.6	89366.3	71680.1	55707.6	41297.0	31513.4	23779.8
-5°	140232.8	139068.7	132898.8	118596.6	99863.3	81006.9	65842.2	50486.8	38208.6	29881.2	22758.7
-7°	118620.0	117013.0	109941.6	97867.9	83961.8	70918.2	56952.3	44090.7	34560.2	27742.8	21381.4
-9°	91988.4	92299.6	86438.3	78509.7	71171.3	59419.2	47155.7	37808.1	30926.6	25215.2	19570.6
-11°	72830.4	72771.4	69663.1	63932.7	56349.0	47146.2	38967.9	32529.3	27304.2	22568.0	17462.6
-13°	55256.0	55827.2	52472.7	47996.5	43413.7	37202.2	32291.8	27710.8	23555.3	19783.0	15212.4
-15°	41363.8	40721.5	39364.9	37197.0	34218.7	30343.2	26883.8	23512.0	20130.6	16825.5	12998.6
-17°	31147.6	32176.5	30984.7	29624.7	27560.8	24965.6	22202.2	19621.8	16733.6	13929.5	10448.4
-19.5°	24105.7	23900.3	23124.5	22470.1	20916.8	19150.2	17123.7	15005.2	12837.3	10356.5	7406.8
-22.5°	16497.0	16430.2	16178.8	15531.3	14183.5	13217.9	11558.8	9842.5	7967.6	6176.8	4142.4
-25.5°	10093.9	10225.7	9956.9	9484.5	8694.9	7612.2	6520.9	5351.6	4056.6	2935.0	1773.5
-29°	4276.8	4348.7	4230.0	3790.5	3484.5	2876.0	2334.3	1807.3	1204.0	730.7	512.3
-33°	743.7	759.3	744.6	658.8	603.3	504.5	466.3	411.7	364.9	321.6	280.0
-37.5°	273.0	273.0	271.3	271.3	272.2	270.4	266.1	261.8	257.4	253.1	247.0
-42.5°	211.5	210.6	209.8	210.6	210.6	211.5	212.4	206.3	204.6	201.1	189.8
-47.5°	114.4	111.8	113.6	116.2	123.1	123.1	120.5	120.5	118.8	111.8	109.2
-55°	31.2	32.1	33.8	39.0	45.1	52.9	60.7	67.6	74.5	82.3	93.6
-65°	20.8	20.8	25.1	32.9	44.2	55.5	65.9	77.1	90.1	102.3	109.2
-75°	8.7	10.4	22.5	41.6	58.9	79.7	98.8	104.9	97.1	85.8	70.2
-85°	2.6	19.1	74.5	96.2	65.0	55.5	63.3	71.9	90.1	106.6	136.1
-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°	169.9	198.5	229.7	260.0	286.0	308.6	317.2	312.0	290.4	280.0	293.0
75°	59.8	58.1	61.5	68.5	80.6	97.1	129.2	176.8	231.4	268.7	289.5
65°	105.7	92.7	75.4	60.7	52.0	48.5	45.1	65.0	130.0	228.8	286.9
55°	106.6	111.0	104.9	86.7	62.4	39.0	22.5	14.7	51.1	175.1	283.4
47.5°	117.0	114.4	108.4	95.3	71.1	40.7	14.7	0.0	24.3	141.3	281.7
42.5°	184.6	165.6	141.3	106.6	72.8	39.9	12.1	0.0	9.5	124.8	280.8
37.5°	239.2	224.5	195.9	147.4	87.5	37.3	6.1	0.0	0.0	110.1	280.0
33°	260.0	244.4	224.5	191.6	107.5	34.7	4.3	0.0	0.0	98.8	279.1
29°	357.1	271.3	230.6	198.5	130.9	48.5	0.0	0.0	0.0	89.3	277.4
25.5°	930.1	438.6	261.8	200.2	143.9	64.1	0.0	0.0	0.9	82.3	277.4
22.5°	2373.3	979.5	347.6	208.9	153.4	78.9	2.6	0.0	0.9	77.1	277.4
19.5°	4616.6	2174.8	611.1	239.2	161.2	91.0	7.8	0.0	0.9	71.9	277.4
17°	6912.7	3540.0	1099.1	286.9	169.9	103.1	13.9	0.0	0.9	69.3	277.4
15°	8873.4	4780.4	1607.9	336.3	176.8	112.7	17.3	0.0	0.9	66.7	277.4
13°	10747.5	6109.2	2241.5	394.4	183.8	122.2	24.3	0.0	0.9	65.0	276.5
11°	12449.9	7422.4	2863.0	474.1	193.3	130.9	31.2	0.0	0.9	63.3	276.5
9°	13925.2	8574.4	3452.5	571.2	201.1	138.7	38.1	0.0	0.9	61.5	276.5
7°	15196.8	9578.2	4015.9	677.0	210.6	144.8	44.2	0.0	0.0	60.7	276.5
5°	16171.0	10371.3	4424.2	773.2	219.3	150.8	50.3	0.0	0.0	60.7	276.5
3°	16829.8	10881.8	4718.9	846.0	225.4	153.4	52.9	0.0	0.0	59.8	276.5
1°	17133.2	11102.0	4857.6	878.9	228.0	156.0	55.5	0.0	0.0	58.9	276.5
0°	17196.5	11115.9	4871.4	881.5	228.0	155.2	56.3	0.0	0.0	58.9	276.5
-1°	17128.0	11088.1	4844.6	872.9	227.1	155.2	55.5	0.0	0.0	59.8	276.5
-3°	16751.8	10756.1	4663.4	830.4	223.6	153.4	53.7	0.0	0.0	59.8	276.5
-5°	16035.0	10209.2	4339.2	750.6	216.7	150.8	52.0	0.0	0.0	60.7	276.5
-7°	14983.5	9389.2	3895.4	651.8	209.8	147.4	47.7	0.0	0.0	61.5	276.5
-9°	13684.2	8290.1	3324.2	546.1	203.7	143.0	43.3	0.0	0.9	63.3	276.5
-11°	12062.4	7111.2	2704.4	460.3	197.6	137.8	38.1	0.0	0.9	65.0	277.4
-13°	10303.7	5788.5	2038.7	387.5	191.6	130.0	31.2	0.0	0.9	66.7	277.4
-15°	8394.1	4453.6	1450.2	330.3	183.8	121.4	24.3	0.0	1.7	68.5	277.4
-17°	6454.2	3230.6	955.2	285.2	175.1	109.2	16.5	0.0	1.7	71.1	277.4
-19.5°	4153.7	1899.2	537.4	237.5	163.8	94.5	9.5	0.0	2.6	74.5	277.4
-22.5°	2082.1	853.8	330.3	204.6	150.0	76.3	2.6	0.0	3.5	79.7	278.2
-25.5°	799.2	395.3	253.1	195.0	138.7	58.1	0.0	0.0	3.5	85.8	278.2
-29°	335.5	262.6	225.4	189.8	117.0	39.9	0.9	0.0	4.3	93.6	279.1
-33°	256.6	237.5	214.1	175.1	92.7	26.9	3.5	0.0	4.3	103.1	280.0
-37.5°	234.9	216.7	185.5	130.0	71.9	32.1	7.8	0.0	5.2	115.3	280.8
-42.5°	174.2	153.4	128.3	97.9	68.5	39.0	14.7	0.0	15.6	130.9	282.6
-47.5°	105.7	106.6	101.4	91.0	70.2	43.3	20.8	0.0	30.3	148.2	283.4
-55°	104.9	109.2	103.1	85.8	64.1	43.3	30.3	16.5	58.1	182.9	286.0
-65°	106.6	95.3	78.0	64.1	56.3	54.6	51.1	65.0	133.5	236.6	288.6
-75°	61.5	60.7	65.0	71.9	84.9	101.4	130.0	176.8	234.9	275.6	292.1
-85°	171.6	200.2	231.4	261.8	287.8	308.6	317.2	311.2	293.0	286.9	296.4
-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)