

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: 765545_320MP

Luminaire Tested: **CFB32PXX76**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 765545_320MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CFB32PXX76
Description: 400W MH 7H X 6V FLOODLIGHT
Light Source: 320 WATT PULSE-START CLEAR ED-28 UNIVERSAL BURN
Ballast/Driver: -

Summary

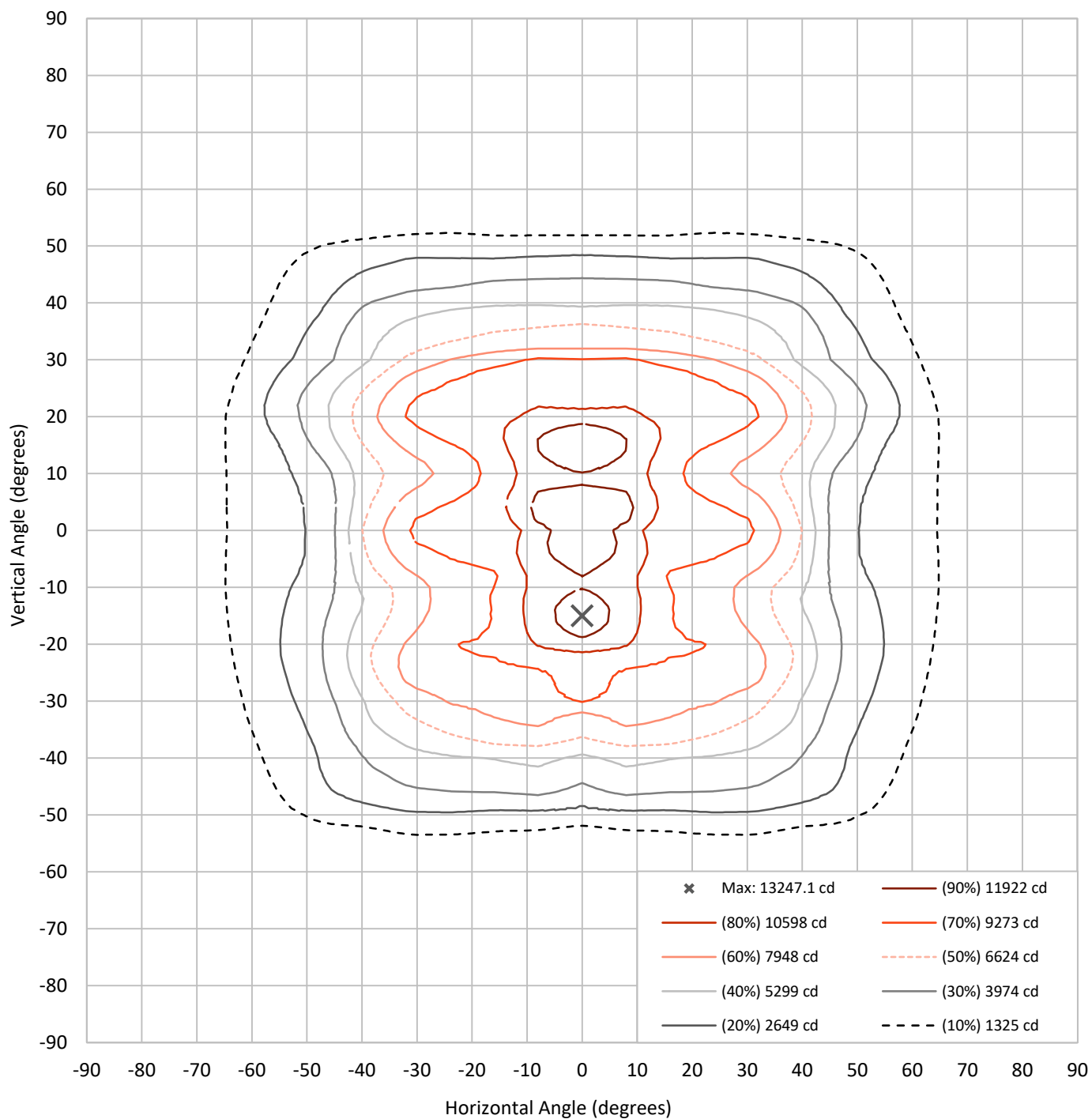
Lumens per Lamp:	30000 (1 lamp)	NEMA Type:	6H x 6V
Luminaire Lumens:	20780.1 lumens	Max Intensity:	13247.1 candela
Efficiency:	69.3%	Max Intensity Angle:	0°H x -15°V
Efficacy:	59.4 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 1.24' x L: 1.3' x H: 0.6')		
Beam Angle (50%):	70.1°H x 72.7°V	Field Angle (10%):	128.9°H x 103.8°V
Beam Lumens:	13857.2 lumens	Field Lumens:	19973 lumens
Beam Efficiency:	66.7%	Field Efficiency:	96.1%

Input Watts (W): 350
Input Voltage (V): NR
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: 28.75 FT



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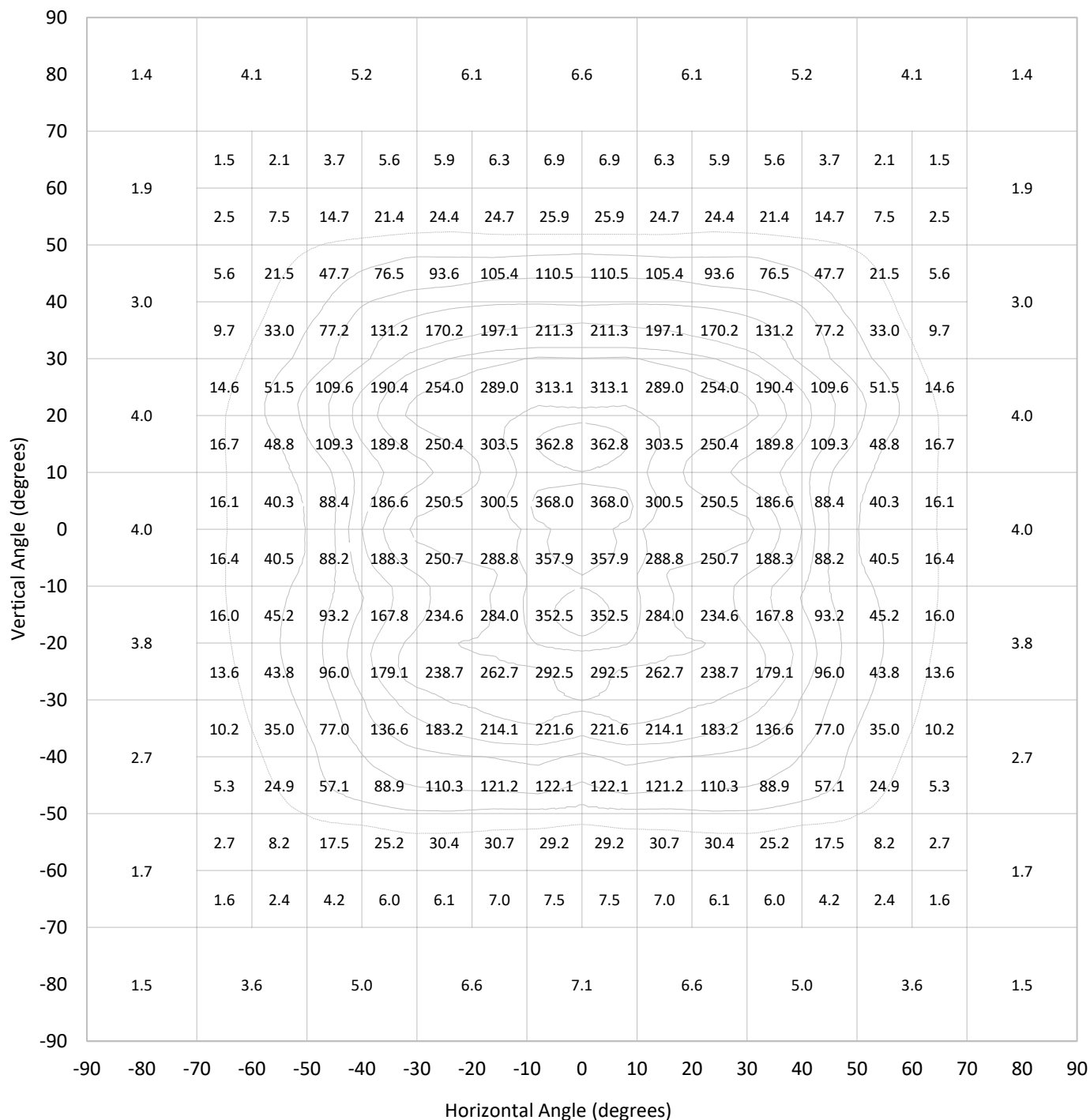
Iso-Candela Plot





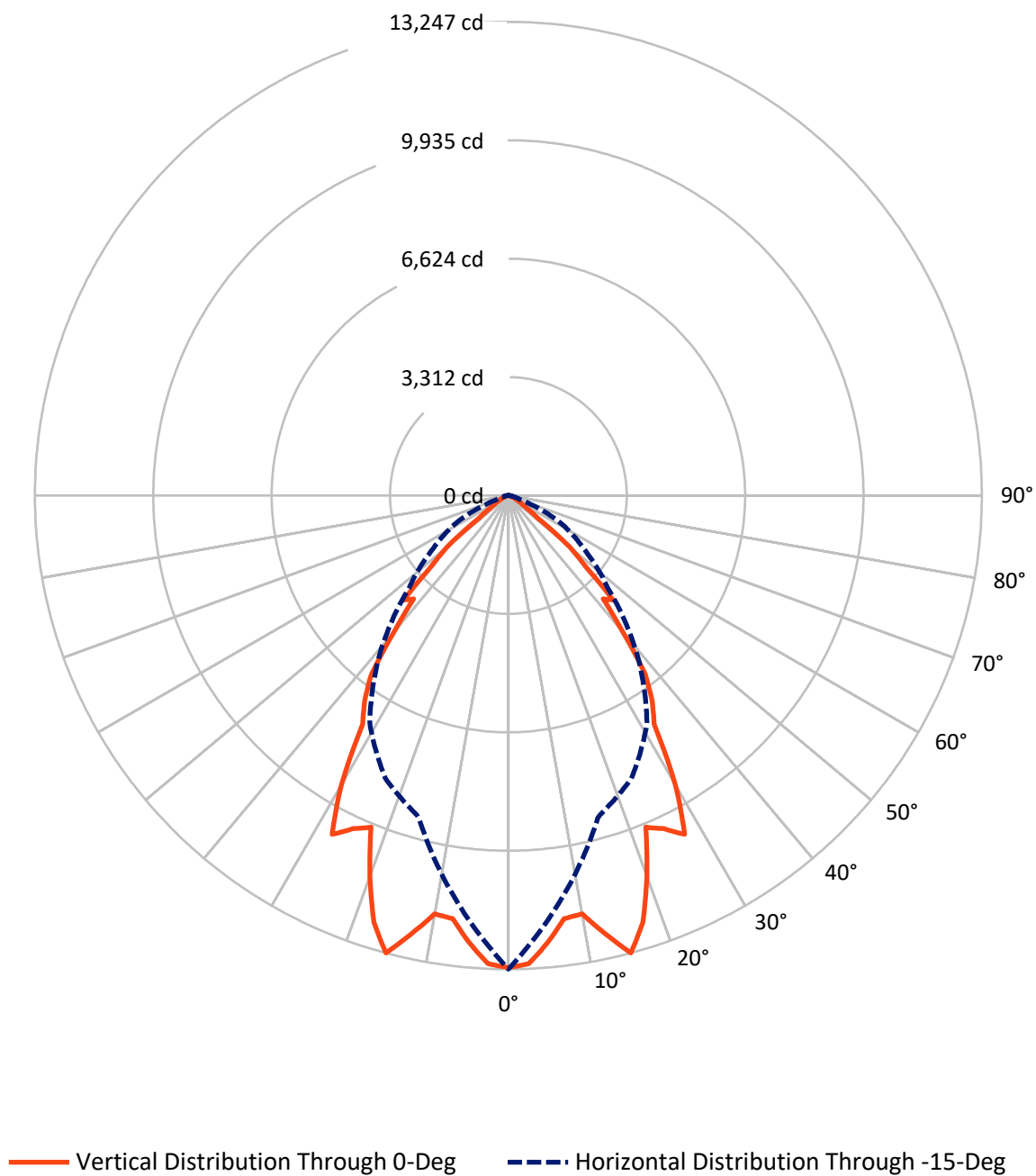
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Lumen Table



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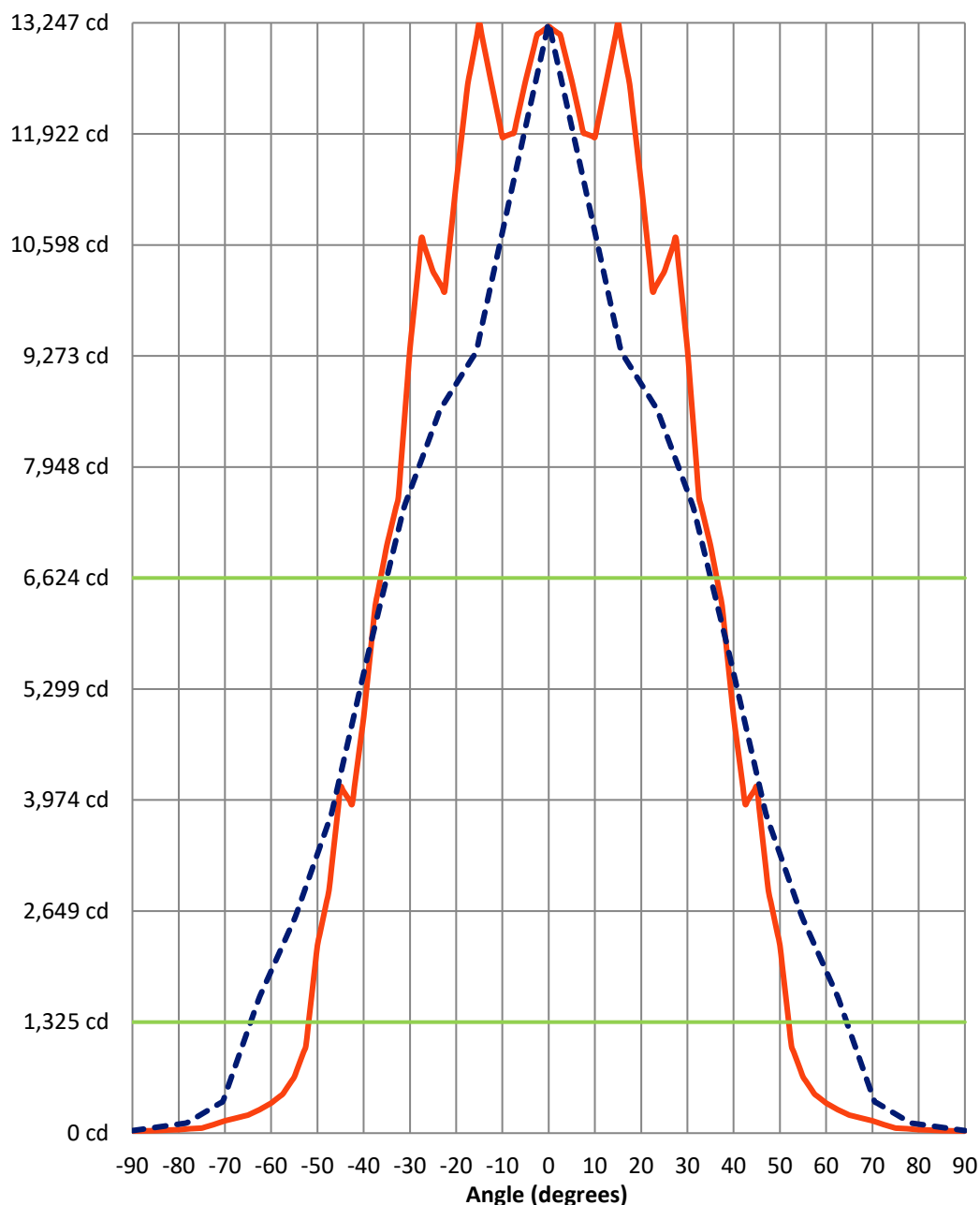
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
H Angle: 70.1°
V Angle: 72.7°
Lumens: 13857.2
Efficiency: 66.7%

Field:
H Angle: 128.9°
V Angle: 103.8°
Lumens: 19973
Efficiency: 96.1%

Spill:
Lumens: 807.1
Efficiency: 3.9%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through -15-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	7.82609°	15.6522°	23.4783°	31.3043°	39.1304°	46.9565°	54.7826°	62.6087°	70.4348°	78.2609°
90°	25.5	27.8	29.5	33.7	34.6	37.2	40.6	39.2	59.4	76.7	60.6
87.5°	27.3	28.3	31.2	35.4	34.6	35.9	39.6	41.2	60.4	76.6	60.6
85°	30.0	32.3	33.8	37.2	36.3	37.9	41.5	43.7	61.6	76.5	60.5
82.5°	36.4	38.9	38.7	39.9	40.2	43.6	46.2	47.4	67.6	76.4	60.5
80°	40.9	43.7	43.8	43.3	44.5	52.3	55.9	51.9	75.0	83.5	60.3
77.5°	52.8	50.6	49.8	48.7	48.5	59.3	64.6	56.8	81.1	90.3	60.3
75°	60.0	60.5	56.6	58.2	56.2	63.2	72.3	63.1	86.4	96.9	62.9
72.5°	101.0	95.8	86.4	87.1	85.2	79.8	76.7	69.4	92.3	103.5	65.3
70°	147.4	136.0	128.3	137.7	140.0	113.9	91.3	80.1	99.3	109.7	67.7
67.5°	181.0	180.9	171.6	182.5	186.5	169.1	113.2	92.3	107.2	115.6	69.8
65°	215.6	218.9	207.2	206.7	222.3	206.9	149.3	109.9	117.0	120.6	71.8
62.5°	280.2	260.1	243.6	233.0	259.4	279.0	184.2	130.0	126.5	125.3	75.4
60°	358.4	347.7	318.0	301.7	332.3	389.9	221.7	155.0	149.0	129.7	79.2
57.5°	465.7	468.7	440.1	444.4	540.9	496.0	332.3	230.1	174.6	136.0	82.8
55°	670.4	649.5	646.9	654.7	778.9	655.9	533.3	393.0	200.5	145.4	85.8
52.5°	1039.7	1097.5	1117.5	1248.9	1193.0	1035.1	931.5	610.4	231.7	156.3	88.7
50°	2240.4	2008.3	1906.5	2058.1	1928.3	1637.3	1361.9	864.8	267.9	168.9	91.4
47.5°	2897.2	2895.9	2759.1	2760.8	2810.4	2282.4	1779.7	1090.1	375.0	187.4	96.5
45°	4132.5	3895.3	3585.2	3368.6	3296.8	2844.9	2023.4	1256.7	500.0	205.9	101.2
42.5°	3924.2	4233.6	4513.2	3992.1	3857.1	3341.4	2264.3	1393.9	607.6	223.5	105.4
40°	4963.9	5146.2	5153.6	4990.9	4529.5	3957.0	2539.0	1515.1	725.1	240.1	109.2
37.5°	6291.1	6196.3	5911.9	5681.0	5274.5	4542.7	2818.4	1618.3	831.7	257.7	112.6
35°	7009.7	6778.2	6606.6	6155.1	5722.2	4885.6	3238.0	1779.0	921.3	276.3	115.6
32.5°	7585.5	7543.3	7333.2	6792.2	6205.4	4978.0	3503.9	2022.3	1006.2	295.5	118.1
30°	9355.7	9504.2	8761.8	8043.0	6945.7	5137.1	3622.2	2308.6	1128.9	315.3	122.1
27.5°	10682.8	10400.5	9780.1	9092.0	7974.3	5890.2	4155.0	2707.0	1276.3	320.3	127.5
25°	10279.0	10338.7	9910.9	9589.4	8933.0	6729.8	4688.3	3042.0	1428.0	330.1	132.7
22.5°	10039.7	10439.8	9876.9	9823.8	9351.2	7290.9	5046.4	3306.8	1573.1	345.4	135.9
20°	11330.5	11009.4	10111.8	10093.6	9468.9	7460.3	4984.9	3192.4	1692.3	353.8	137.9
17.5°	12514.9	11794.5	10377.9	9986.0	8961.1	7271.0	4934.7	2925.1	1711.2	355.7	138.6
15°	13247.1	12096.1	10220.5	9221.0	8316.9	6800.3	4544.8	2606.8	1708.6	351.6	138.3
12.5°	12558.5	11743.4	9838.9	8585.2	7697.5	6312.8	3968.8	2455.5	1689.7	353.3	136.9
10°	11881.7	11498.0	9737.1	8410.0	7386.3	6112.5	3496.6	2350.4	1656.3	356.2	134.6
7.5°	11934.5	11807.5	9790.8	8693.8	7753.7	6088.6	3239.9	2238.5	1652.3	356.1	131.5
5°	12554.0	12332.4	10170.6	9354.7	8474.9	6347.9	2994.1	2259.1	1652.0	353.2	127.6
2.5°	13105.2	12367.6	9898.2	9862.4	9161.2	6714.7	2947.4	2300.4	1647.5	348.0	123.2
0°	13203.5	11438.3	9393.4	9788.5	9379.3	7060.3	2884.0	2336.0	1635.3	340.8	118.3
-2.5°	13105.2	11678.2	9582.8	9731.7	9195.1	6899.0	2913.7	2314.3	1663.8	355.3	119.7
-5°	12554.0	11606.5	9665.9	9309.9	8594.7	6619.2	2924.1	2289.6	1682.4	367.6	120.8
-7.5°	11934.5	11191.3	9111.0	8896.8	7856.3	6181.8	3144.3	2286.3	1692.2	376.8	121.5
-10°	11881.7	11120.8	9305.2	8704.0	7300.0	5722.5	3402.0	2403.0	1691.3	382.5	121.8
-12.5°	12558.5	11318.0	9400.6	8544.9	7369.9	5354.5	3628.5	2501.8	1656.6	384.0	121.5
-15°	13247.1	11299.4	9324.0	8631.7	7464.8	5695.6	3809.5	2578.6	1613.4	377.8	120.8
-17.5°	12514.9	11145.8	9378.7	8989.4	7741.1	6039.1	3922.7	2629.5	1562.0	361.0	119.7
-20°	11330.5	10707.2	9379.2	9273.5	8188.5	6323.0	3956.5	2651.2	1502.7	342.2	118.0



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CANDELA DISTRIBUTION (continued):

	0°	7.82609°	15.6522°	23.4783°	31.3043°	39.1304°	46.9565°	54.7826°	62.6087°	70.4348°	78.2609°
-22.5°	10039.7	9961.3	9293.7	9194.4	8509.1	6479.2	3934.9	2630.3	1435.8	321.4	115.8
-25°	10279.0	8966.6	8912.3	8908.1	8564.9	6211.5	3861.3	2507.2	1356.1	298.8	113.1
-27.5°	10682.8	8446.7	8471.9	8523.9	7930.0	5796.7	3729.0	2378.8	1273.2	285.4	109.9
-30°	9355.7	8358.0	8236.5	8097.0	7227.1	5412.6	3489.0	2246.1	1191.9	279.2	106.3
-32.5°	7585.5	8324.1	8073.5	7530.2	6657.1	5243.7	3235.1	2121.1	1115.4	271.5	102.5
-35°	7009.7	7898.4	7598.4	6936.1	6065.2	4965.4	3072.2	2005.5	1006.1	262.1	98.7
-37.5°	6291.1	6781.9	6731.5	6117.2	5500.2	4401.7	2883.8	1897.4	850.7	251.2	94.7
-40°	4963.9	5770.2	5356.1	5157.7	4794.5	4055.2	2780.7	1787.1	677.5	238.0	90.6
-42.5°	3924.2	4995.4	4780.1	4652.8	4369.5	3779.8	2715.7	1652.5	514.4	222.5	86.5
-45°	4132.5	4491.5	4302.2	4243.1	4060.3	3366.6	2562.9	1458.8	438.9	207.2	82.2
-47.5°	2897.2	3695.0	3484.1	3497.4	3378.7	2810.7	2345.7	1236.2	347.9	192.1	77.8
-50°	2240.4	2200.4	2217.2	2459.6	2436.5	2007.1	1660.3	929.7	271.5	176.3	73.4
-52.5°	1039.7	1288.7	1332.4	1529.4	1556.0	1182.5	1059.3	605.7	252.3	161.6	72.7
-55°	670.4	862.4	912.2	925.6	936.5	670.5	717.3	388.1	234.4	146.9	71.9
-57.5°	465.7	665.2	605.9	572.7	554.5	505.4	475.7	257.2	208.4	132.3	71.0
-60°	358.4	377.5	377.0	339.8	360.6	459.1	281.6	189.4	177.6	121.0	70.0
-62.5°	280.2	306.2	281.1	259.4	261.7	332.1	219.6	159.0	149.2	112.8	68.8
-65°	215.6	252.2	226.6	209.3	212.2	235.0	164.5	130.3	131.9	104.5	67.9
-67.5°	181.0	201.4	182.3	167.0	178.6	178.7	113.2	104.8	114.1	96.7	69.3
-70°	147.4	166.5	145.0	138.1	141.1	113.5	91.1	88.4	100.7	91.4	70.6
-72.5°	101.0	127.5	103.3	102.2	94.5	80.9	74.4	74.6	88.3	85.9	72.0
-75°	60.0	73.0	69.5	68.0	62.2	62.3	61.1	63.5	77.5	80.5	73.3
-77.5°	52.8	51.2	49.6	48.8	51.1	52.0	53.1	53.3	67.9	78.9	74.6
-80°	40.9	43.2	42.2	42.3	44.6	45.6	48.1	44.7	59.1	77.1	75.8
-82.5°	36.4	38.7	37.9	39.4	40.4	43.3	46.5	38.8	51.4	75.2	77.1
-85°	30.0	34.2	33.8	37.9	37.6	39.6	40.9	36.2	45.5	76.9	78.2
-87.5°	27.3	30.3	31.3	35.4	35.0	35.5	36.4	34.7	46.8	78.8	79.1
-90°	25.5	28.1	30.3	33.1	33.7	33.7	33.7	33.7	48.2	80.9	80.0



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CANDELA DISTRIBUTION (continued):

	90°
90°	30.0
87.5°	30.0
85°	30.0
82.5°	30.0
80°	30.0
77.5°	30.0
75°	30.0
72.5°	30.0
70°	30.0
67.5°	30.0
65°	30.0
62.5°	30.0
60°	30.0
57.5°	30.0
55°	30.0
52.5°	30.0
50°	30.0
47.5°	30.0
45°	30.0
42.5°	30.0
40°	30.0
37.5°	30.0
35°	30.0
32.5°	30.0
30°	30.0
27.5°	30.0
25°	30.0
22.5°	30.0
20°	30.0
17.5°	30.0
15°	30.0
12.5°	30.0
10°	30.0
7.5°	30.0
5°	30.0
2.5°	30.0
0°	30.0
-2.5°	30.0
-5°	30.0
-7.5°	30.0
-10°	30.0
-12.5°	30.0
-15°	30.0
-17.5°	30.0
-20°	30.0



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CANDELA DISTRIBUTION (continued):

	90°
-22.5°	30.0
-25°	30.0
-27.5°	30.0
-30°	30.0
-32.5°	30.0
-35°	30.0
-37.5°	30.0
-40°	30.0
-42.5°	30.0
-45°	30.0
-47.5°	30.0
-50°	30.0
-52.5°	30.0
-55°	30.0
-57.5°	30.0
-60°	30.0
-62.5°	30.0
-65°	30.0
-67.5°	30.0
-70°	30.0
-72.5°	30.0
-75°	30.0
-77.5°	30.0
-80°	30.0
-82.5°	30.0
-85°	30.0
-87.5°	30.0
-90°	30.0

(END OF REPORT)