Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560021

Luminaire Tested: **SDL-PA1-20-730-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560021
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-730-U-T4W
Description:	Springdale
	(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2496.3 lumens
Efficiency:	N/A
Efficacy:	118.9 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	21
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:	24 FT

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Scaled Data Report

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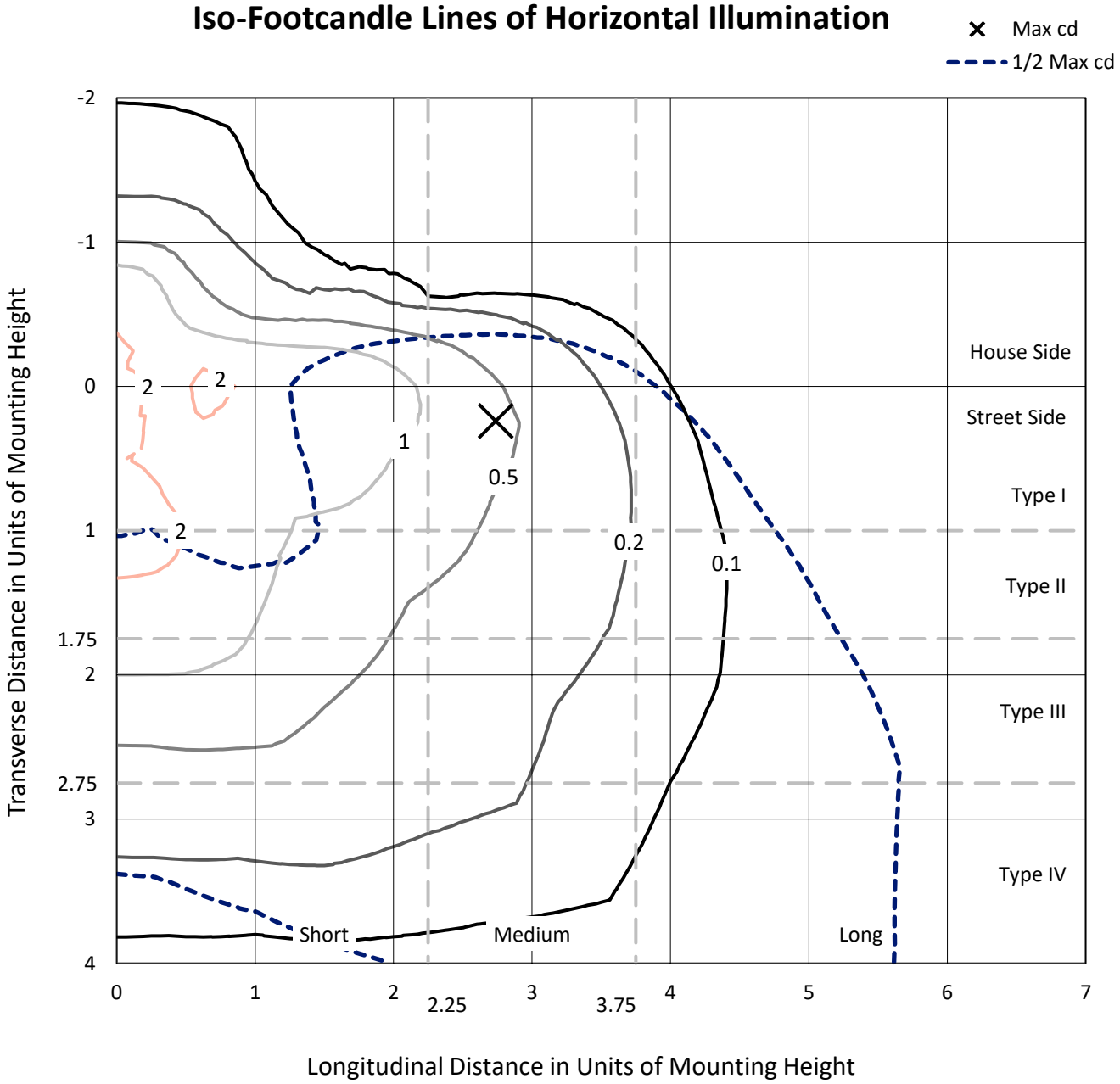
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Medium - N/A

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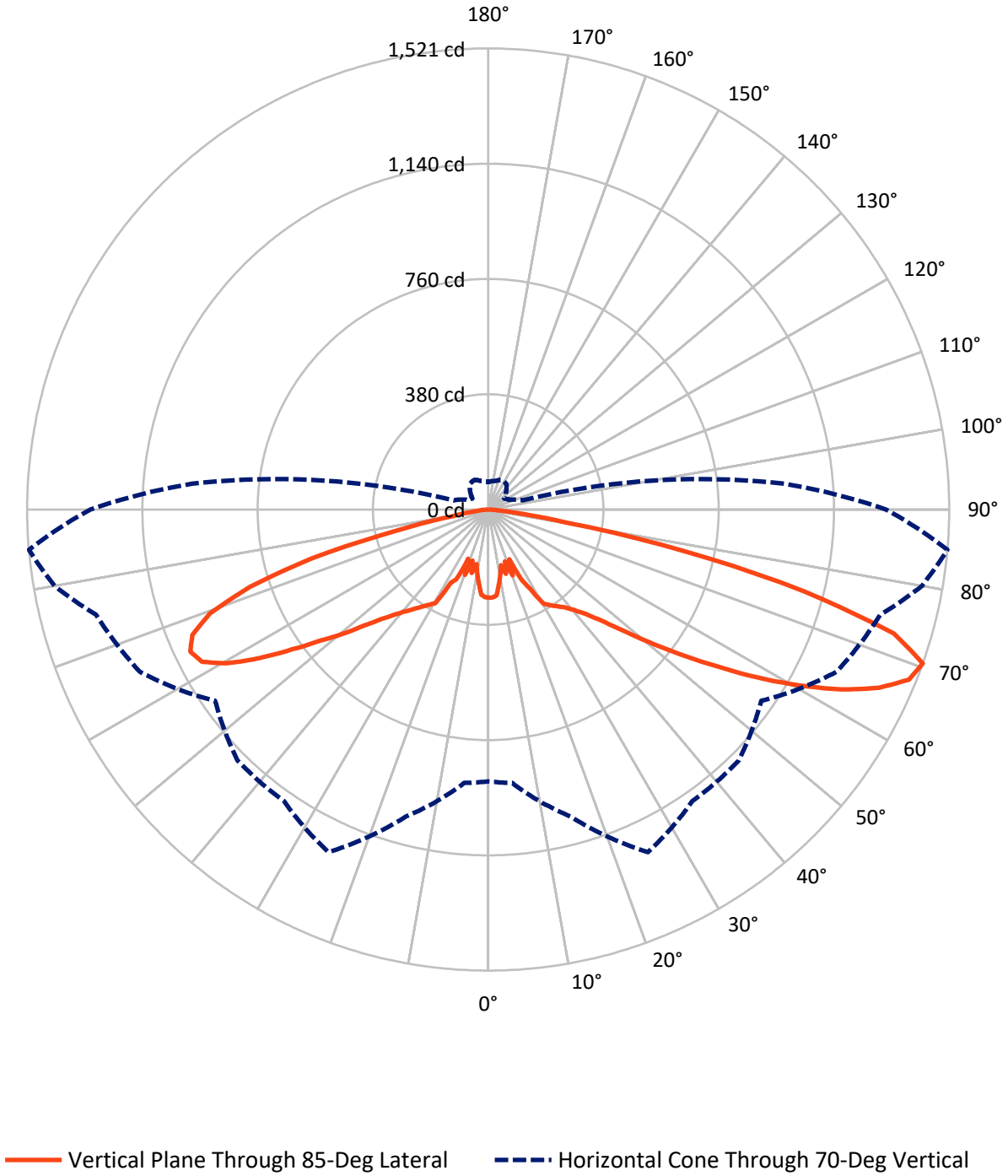
Luminous Intensity Polar Plot



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Scaled Data Report

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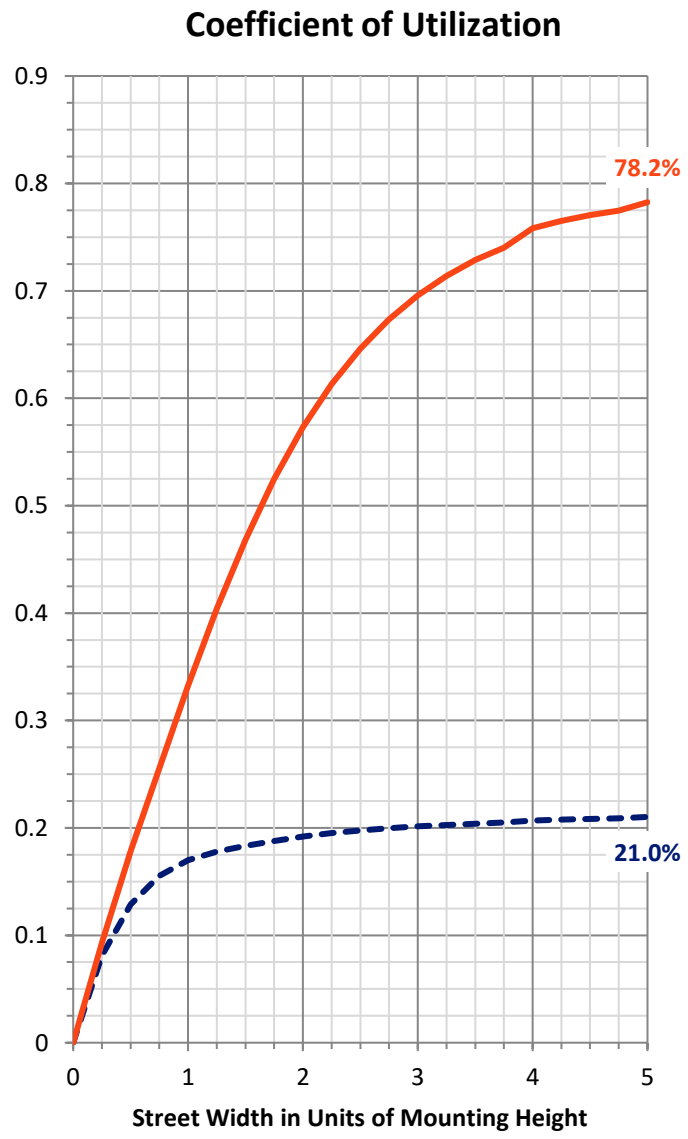
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	536.7	0.0	536.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1959.6	0.0	1959.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	2496.3	0.0	2496.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.0
10°-20°	60.7	2.4
20°-30°	106.2	4.3
30°-40°	187.1	7.5
40°-50°	282.2	11.3
50°-60°	448.9	18.0
60°-70°	658.3	26.4
70°-80°	617.3	24.7
80°-90°	111.5	4.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2496.3	100.0
0°-180°	2496.3	100.0



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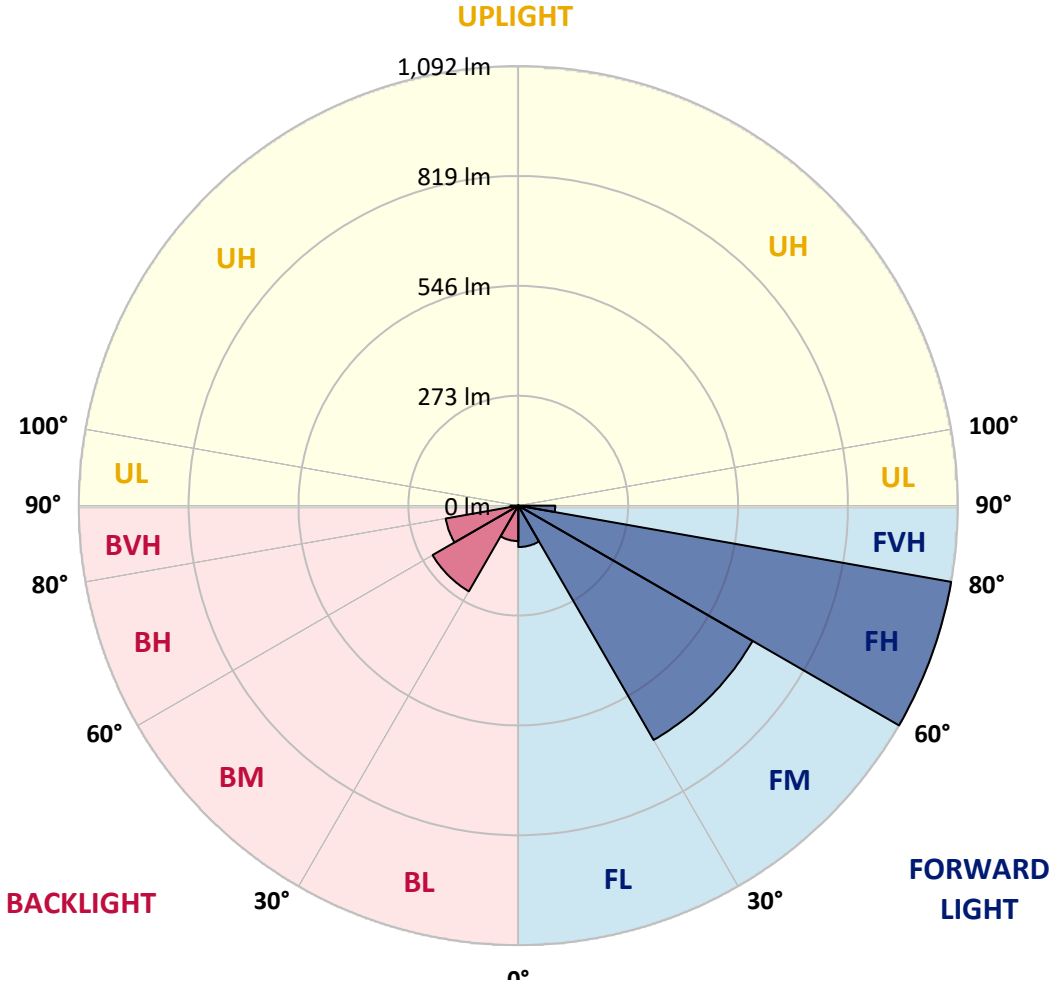
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	102.9	4.1			
FM	(30°-60°)	672.5	26.9			
FH	(60°-80°)	1092.3	43.8			G1/1800
FVH	(80°-90°)	91.8	3.7			G1/100
BL	(0°-30°)	88.1	3.5	B0/110		
BM	(30°-60°)	245.7	9.8	B1/1000		
BH	(60°-80°)	183.2	7.3	B1/500		G1/500
BVH	(80°-90°)	19.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3
2.5°	263.6	274.6	280.1	285.7	287.5	289.4	289.4	288.4	288.4	288.4	290.3
5°	268.2	267.2	267.2	267.2	266.3	265.4	264.5	262.6	261.7	259.9	258.9
7.5°	246.0	264.5	265.4	266.3	266.3	265.4	267.2	269.1	267.2	264.5	260.8
10°	292.1	291.2	289.4	287.5	284.7	282.0	260.8	238.7	240.5	242.4	224.8
12.5°	253.4	270.9	278.3	285.7	286.6	286.6	271.8	256.2	235.9	215.6	207.3
15°	309.6	307.8	304.1	300.4	275.5	249.7	235.0	220.2	220.2	220.2	195.4
17.5°	260.8	259.9	276.5	293.0	283.8	274.6	253.4	232.2	200.9	168.6	188.9
20°	319.8	319.8	315.2	310.5	268.2	224.8	227.6	229.5	230.4	230.4	221.2
22.5°	268.2	266.3	268.2	269.1	269.1	269.1	230.4	191.7	212.9	233.1	211.9
25°	319.8	320.7	319.8	318.8	280.1	240.5	247.0	253.4	223.9	193.5	213.8
27.5°	279.2	278.3	273.7	269.1	270.0	270.9	250.6	229.5	241.4	253.4	232.2
30°	341.9	342.8	340.0	336.3	297.6	258.9	257.1	254.3	246.0	237.7	245.1
32.5°	412.8	412.8	384.3	355.7	331.7	306.9	286.6	266.3	274.6	282.9	273.7
35°	450.6	448.8	439.6	429.4	385.2	340.0	312.4	283.8	286.6	288.4	288.4
37.5°	517.9	517.0	504.1	491.2	431.3	370.4	334.5	297.6	303.2	307.8	301.3
40°	601.7	601.7	591.6	580.5	504.1	426.7	376.0	325.3	324.4	322.5	315.2
42.5°	682.8	685.6	679.1	672.7	583.3	493.9	427.6	361.2	352.9	344.6	337.3
45°	736.3	740.0	745.5	751.0	662.6	574.1	496.7	418.4	402.7	386.1	373.2
47.5°	790.7	785.1	792.5	799.9	724.3	648.7	564.0	479.2	453.4	427.6	413.8
50°	841.3	839.5	842.3	845.0	783.3	721.5	634.0	546.5	515.1	482.9	467.2
52.5°	907.7	901.2	897.5	893.9	841.3	788.8	705.9	622.0	585.2	547.4	528.9
55°	971.3	968.5	963.0	956.5	911.4	866.2	778.7	691.1	652.4	613.7	592.5
57.5°	1036.7	1034.9	1033.9	1033.0	993.4	953.8	864.4	774.1	729.8	684.7	667.2
60°	1098.4	1099.4	1106.7	1113.2	1082.8	1052.4	962.1	871.7	815.5	758.4	740.9
62.5°	1135.3	1138.1	1156.5	1174.0	1157.4	1140.8	1047.8	953.8	894.8	834.9	822.9
65°	1088.3	1102.1	1155.6	1209.0	1209.0	1209.0	1124.2	1038.5	986.9	935.3	925.2
67.5°	983.2	997.1	1073.6	1149.1	1188.7	1228.4	1173.1	1117.8	1082.8	1046.8	1033.9
70°	*896.6*	*904.9*	*976.8*	*1047.8*	*1147.3*	*1246.8*	*1210.9*	*1174.0*	*1172.2*	*1169.4*	*1134.4*
72.5°	823.8	842.3	901.2	959.3	1096.6	1233.9	1233.0	1232.1	1269.8	1307.6	1240.3
75°	658.9	657.0	712.3	767.6	922.4	1076.3	1162.9	1248.6	1357.4	1465.2	1362.0
77.5°	294.0	314.2	366.8	419.3	558.4	696.7	863.5	1030.2	1269.8	1508.5	1403.5
80°	83.9	88.5	103.2	117.0	182.5	247.0	422.0	596.2	897.5	1198.0	1127.0
82.5°	44.2	46.1	55.3	63.6	82.0	99.5	165.9	231.3	490.2	748.3	683.8
85°	21.2	19.4	24.9	29.5	39.6	49.8	76.5	103.2	189.8	276.5	238.7
87.5°	4.6	4.6	5.5	5.5	8.3	11.1	16.6	22.1	21.2	19.4	23.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	290.3	290.3	290.3	290.3	290.3	290.3	*290.3*	290.3	290.3	290.3	290.3
2.5°	291.2	292.1	293.0	292.1	291.2	290.3	*290.3*	289.4	289.4	288.4	286.6
5°	258.0	270.9	283.8	284.7	285.7	285.7	*284.7*	283.8	282.0	281.1	279.2
7.5°	257.1	252.5	247.9	248.8	249.7	250.6	*250.6*	247.9	247.0	239.6	232.2
10°	206.4	201.8	197.2	200.0	202.7	212.9	*218.4*	216.6	214.7	201.8	188.0
12.5°	199.0	197.2	195.4	181.5	167.7	179.7	*188.0*	187.1	184.3	172.3	160.3
15°	170.5	171.4	171.4	187.1	202.7	212.9	*220.2*	218.4	216.6	201.8	187.1
17.5°	208.3	198.1	187.1	184.3	181.5	186.1	*179.7*	169.6	176.0	174.2	172.3
20°	211.0	186.1	160.3	186.1	211.9	218.4	*232.2*	231.3	228.5	215.6	202.7
22.5°	190.8	205.5	219.3	205.5	191.7	182.5	*177.9*	176.0	175.1	178.8	181.5
25°	234.1	206.4	177.9	211.9	245.1	252.5	*256.2*	253.4	252.5	235.9	219.3
27.5°	210.1	224.8	239.6	250.6	261.7	270.9	*298.6*	271.8	270.9	255.3	238.7
30°	251.6	267.2	282.9	311.5	340.0	355.7	*361.2*	359.4	354.8	329.9	305.0
32.5°	264.5	295.8	326.2	339.1	351.1	367.7	*376.0*	375.1	370.4	341.0	310.5
35°	288.4	311.5	334.5	352.0	368.6	384.3	*391.6*	394.4	388.9	352.0	314.2
37.5°	294.9	324.4	353.9	372.3	390.7	402.7	*409.1*	417.4	411.0	366.8	321.6
40°	307.8	342.8	376.9	395.3	412.8	423.9	*435.0*	445.1	436.8	383.3	329.0
42.5°	329.0	364.9	399.9	421.1	441.4	457.1	*470.0*	483.8	468.1	399.0	329.0
45°	360.3	393.5	426.7	455.2	482.9	502.2	*520.7*	540.0	508.7	419.3	329.0
47.5°	399.9	432.2	463.5	508.7	553.8	571.3	*593.4*	611.9	561.2	445.1	329.0
50°	450.6	486.6	522.5	582.4	641.4	658.0	*685.6*	699.4	631.2	484.7	337.3
52.5°	509.6	549.2	587.9	658.0	728.0	755.6	*792.5*	801.7	702.2	524.3	345.6
55°	571.3	624.8	677.3	754.7	831.2	857.9	*910.4*	917.8	793.4	573.2	352.0
57.5°	649.7	712.3	774.1	849.6	924.3	962.1	*1044.1*	1046.8	899.4	633.1	365.8
60°	723.4	801.7	879.1	951.0	1022.9	1081.8	*1176.8*	1177.7	998.9	678.2	356.6
62.5°	810.9	904.0	996.1	1057.9	1119.6	1192.4	*1306.7*	1290.1	1068.9	683.8	298.6
65°	914.1	1010.0	1105.8	1158.3	1209.9	1292.9	*1416.4*	1352.8	1088.3	652.4	215.6
67.5°	1020.1	1109.5	1198.9	1240.3	1281.8	1386.9	*1496.5*	1360.1	1059.7	605.4	150.2
70°	*1099.4*	*1183.2*	*1267.1*	*1303.0*	*1338.9*	*1452.3*	*1520.5*	*1312.2*	*979.6*	*548.3*	*117.0*
72.5°	1172.2	1251.4	1329.7	1348.2	1365.7	1423.7	*1398.8*	1156.5	825.7	461.7	96.8
75°	1258.8	1309.5	1359.2	1326.0	1292.9	1214.5	*1073.6*	843.2	604.5	343.7	82.9
77.5°	1298.4	1286.4	1273.5	1160.2	1046.8	836.7	*667.2*	487.5	306.9	188.9	71.0
80°	1056.0	1008.1	959.3	769.5	579.6	396.2	*259.9*	164.9	112.4	84.8	57.1
82.5°	618.3	506.8	395.3	290.3	185.2	129.9	*84.8*	67.3	52.5	49.8	46.1
85°	200.0	176.9	153.9	121.6	89.4	55.3	*32.3*	29.5	27.6	30.4	32.3
87.5°	26.7	26.7	25.8	19.4	12.0	6.5	*3.7*	2.8	2.8	3.7	3.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3
2.5°	286.6	285.7	284.7	283.8	282.9	281.1	273.7	266.3	263.6	259.9	257.1
5°	270.0	260.8	254.3	247.9	245.1	241.4	242.4	243.3	244.2	244.2	244.2
7.5°	234.1	235.9	236.8	236.8	239.6	241.4	243.3	244.2	240.5	236.8	232.2
10°	186.1	183.4	187.1	189.8	194.4	198.1	210.1	222.1	233.1	244.2	248.8
12.5°	169.6	178.8	171.4	164.0	178.8	192.6	209.2	225.8	235.9	245.1	236.8
15°	172.3	156.7	158.5	159.4	177.9	195.4	185.2	175.1	203.7	231.3	239.6
17.5°	169.6	166.8	176.9	186.1	168.6	151.1	176.0	200.0	212.9	225.8	222.1
20°	183.4	163.1	163.1	163.1	178.8	194.4	182.5	170.5	184.3	198.1	221.2
22.5°	189.8	197.2	182.5	166.8	176.9	187.1	187.1	186.1	201.8	216.6	212.9
25°	191.7	164.0	176.9	188.9	182.5	175.1	183.4	190.8	195.4	200.0	220.2
27.5°	219.3	200.0	185.2	169.6	181.5	193.5	190.8	188.0	191.7	195.4	200.0
30°	259.9	214.7	198.1	180.6	174.2	166.8	175.1	182.5	196.3	210.1	228.5
32.5°	271.8	232.2	205.5	177.9	176.9	175.1	177.9	179.7	195.4	210.1	235.9
35°	270.0	224.8	199.0	172.3	166.8	161.3	165.9	169.6	192.6	215.6	240.5
37.5°	268.2	213.8	187.1	160.3	156.7	152.0	156.7	161.3	178.8	196.3	219.3
40°	265.4	200.9	175.1	148.4	143.8	139.1	143.8	147.4	161.3	175.1	193.5
42.5°	258.9	188.0	162.2	135.5	131.8	127.2	130.9	134.5	146.5	158.5	169.6
45°	251.6	173.2	148.4	123.5	119.8	116.1	118.9	120.7	131.8	141.9	147.4
47.5°	243.3	157.6	134.5	111.5	107.8	104.1	106.9	108.7	117.0	125.3	127.2
50°	241.4	144.7	123.5	101.4	98.6	94.9	96.8	98.6	105.1	110.6	110.6
52.5°	237.7	129.0	111.5	93.1	91.2	88.5	89.4	90.3	94.9	99.5	98.6
55°	235.0	118.0	102.3	86.6	84.8	82.0	82.9	83.9	88.5	92.2	91.2
57.5°	237.7	108.7	94.9	80.2	78.3	76.5	78.3	80.2	84.8	89.4	89.4
60°	228.5	99.5	86.6	73.7	72.8	71.0	75.6	79.2	86.6	93.1	94.9
62.5°	195.4	91.2	80.2	69.1	70.0	70.0	78.3	85.7	95.8	105.1	106.9
65°	150.2	84.8	75.6	65.4	70.0	74.6	85.7	96.8	106.0	115.2	112.4
67.5°	115.2	80.2	72.8	64.5	74.6	83.9	94.0	104.1	108.7	112.4	107.8
70°	*96.8*	*75.6*	*70.0*	*63.6*	*73.7*	*83.9*	*94.0*	*104.1*	*106.0*	*107.8*	*103.2*
72.5°	84.8	71.9	66.3	60.8	69.1	77.4	89.4	100.4	102.3	103.2	98.6
75°	75.6	67.3	60.8	54.4	62.7	70.0	82.0	94.0	95.8	96.8	93.1
77.5°	66.3	61.7	54.4	47.0	55.3	63.6	74.6	85.7	88.5	91.2	86.6
80°	55.3	52.5	47.0	41.5	50.7	59.0	69.1	79.2	82.0	84.8	80.2
82.5°	44.2	42.4	38.7	35.0	44.2	53.4	63.6	72.8	75.6	77.4	71.9
85°	32.3	32.3	30.4	28.6	37.8	46.1	52.5	59.0	58.1	57.1	53.4
87.5°	4.6	4.6	6.5	8.3	11.1	12.9	16.6	19.4	20.3	20.3	15.7
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):

	165°	170°	175°	180°
0°	290.3	290.3	290.3	290.3
2.5°	254.3	254.3	253.4	255.3
5°	244.2	245.1	245.1	246.0
7.5°	227.6	223.0	217.5	218.4
10°	253.4	254.3	255.3	255.3
12.5°	227.6	223.9	219.3	220.2
15°	247.0	249.7	252.5	253.4
17.5°	217.5	216.6	215.6	214.7
20°	243.3	247.9	252.5	252.5
22.5°	209.2	209.2	209.2	210.1
25°	240.5	246.0	250.6	250.6
27.5°	203.7	216.6	229.5	239.6
30°	246.0	248.8	251.6	252.5
32.5°	260.8	274.6	287.5	290.3
35°	264.5	270.9	276.5	279.2
37.5°	242.4	247.9	253.4	257.1
40°	211.0	215.6	220.2	223.0
42.5°	179.7	180.6	181.5	186.1
45°	153.0	148.4	143.8	142.8
47.5°	128.1	121.6	115.2	114.3
50°	109.7	104.1	98.6	98.6
52.5°	96.8	93.1	89.4	89.4
55°	90.3	88.5	85.7	85.7
57.5°	89.4	88.5	87.5	87.5
60°	95.8	96.8	96.8	96.8
62.5°	107.8	108.7	108.7	108.7
65°	108.7	106.9	105.1	105.1
67.5°	103.2	100.4	97.7	95.8
70°	*97.7*	*95.8*	*93.1*	*90.3*
72.5°	93.1	91.2	88.5	85.7
75°	88.5	85.7	82.0	80.2
77.5°	82.0	80.2	77.4	75.6
80°	74.6	72.8	70.0	66.3
82.5°	66.3	67.3	67.3	58.1
85°	48.8	46.1	42.4	35.0
87.5°	10.1	9.2	7.4	6.5
90°	0.0	0.0	0.0	0.0

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