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: P560016

Luminaire Tested: **SDL-PA1-20-730-U-T3-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560016
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-T3-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1860.6 lumens
Efficiency:	N/A
Efficacy:	88.6 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:	B0 - 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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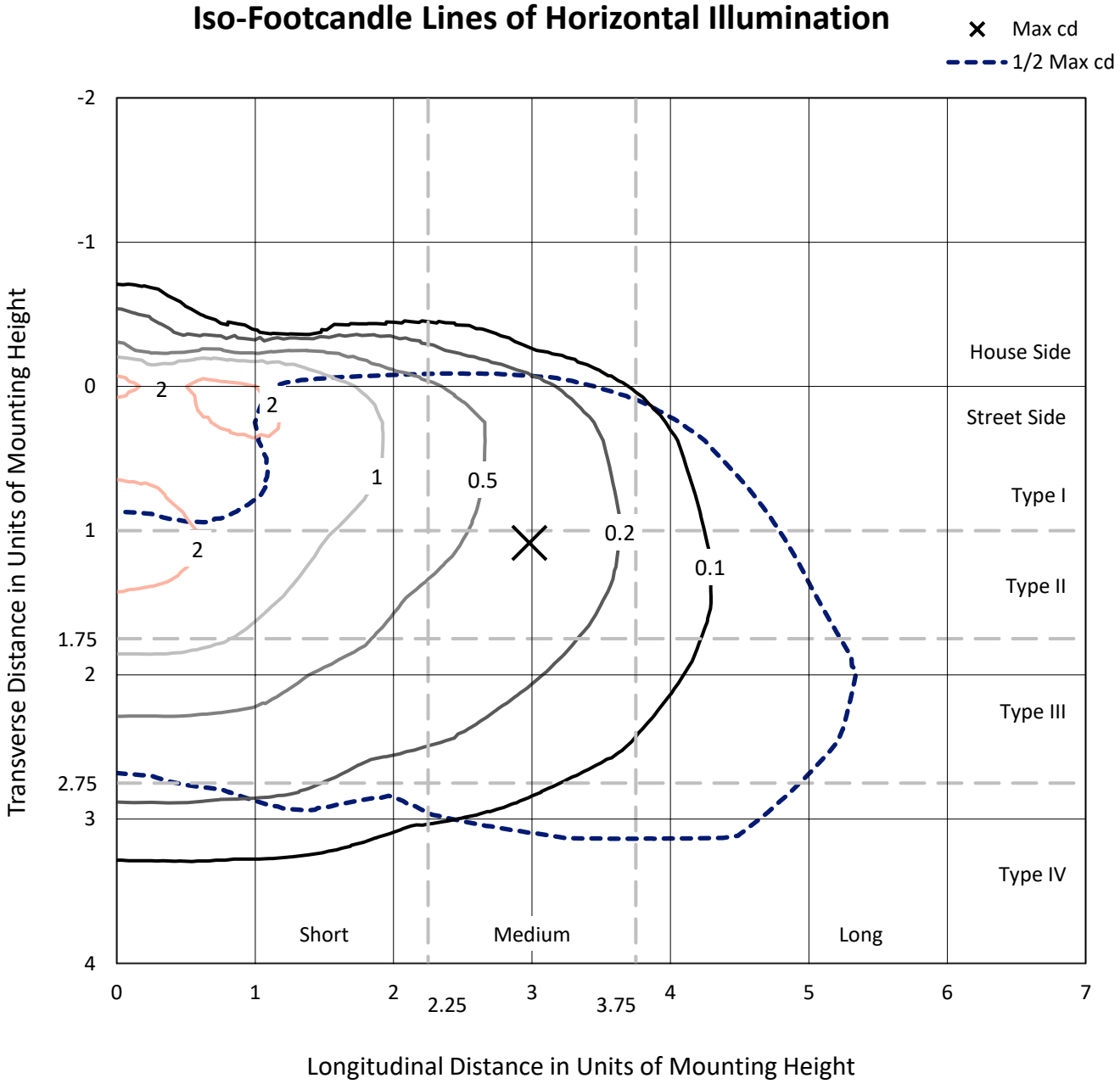
Iso-Footcandle Lines of Horizontal Illumination



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

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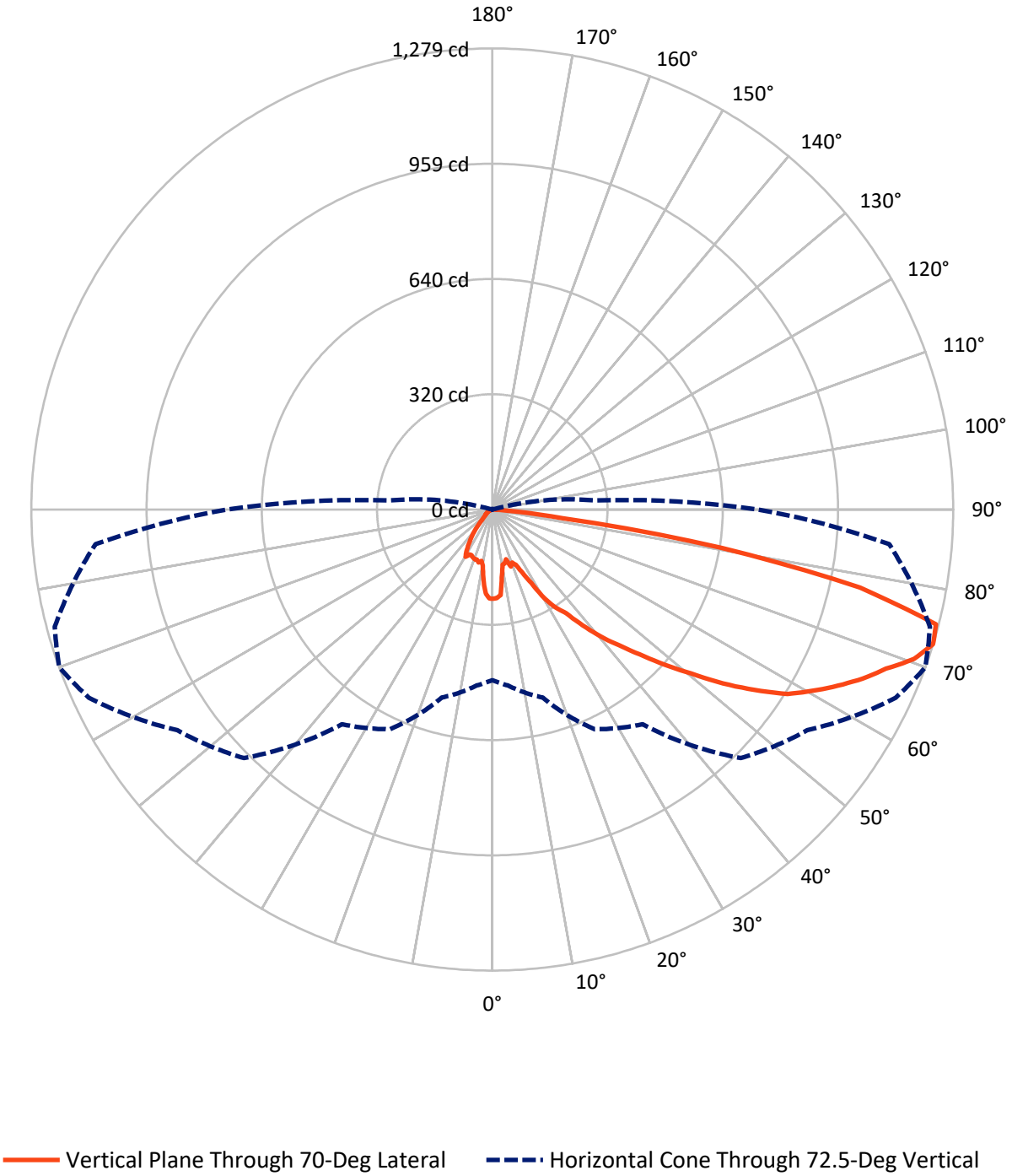
Luminous Intensity Polar Plot



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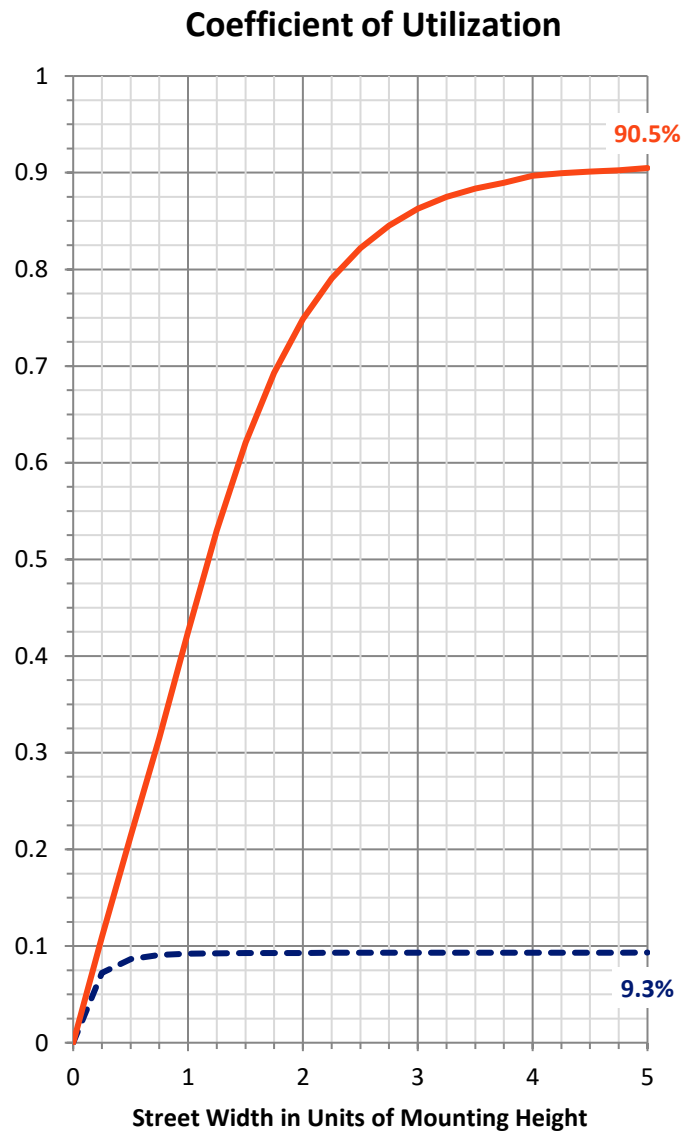
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	175.4	0.0	175.4
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1685.2	0.0	1685.2
	% Fixture	90.6	0.0	90.6
Total	Lumens	1860.6	0.0	1860.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	1.0
10°-20°	38.1	2.0
20°-30°	62.1	3.3
30°-40°	132.5	7.1
40°-50°	255.2	13.7
50°-60°	422.1	22.7
60°-70°	516.7	27.8
70°-80°	378.5	20.3
80°-90°	36.3	2.0
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°	1860.6	100.0
0°-180°	1860.6	100.0



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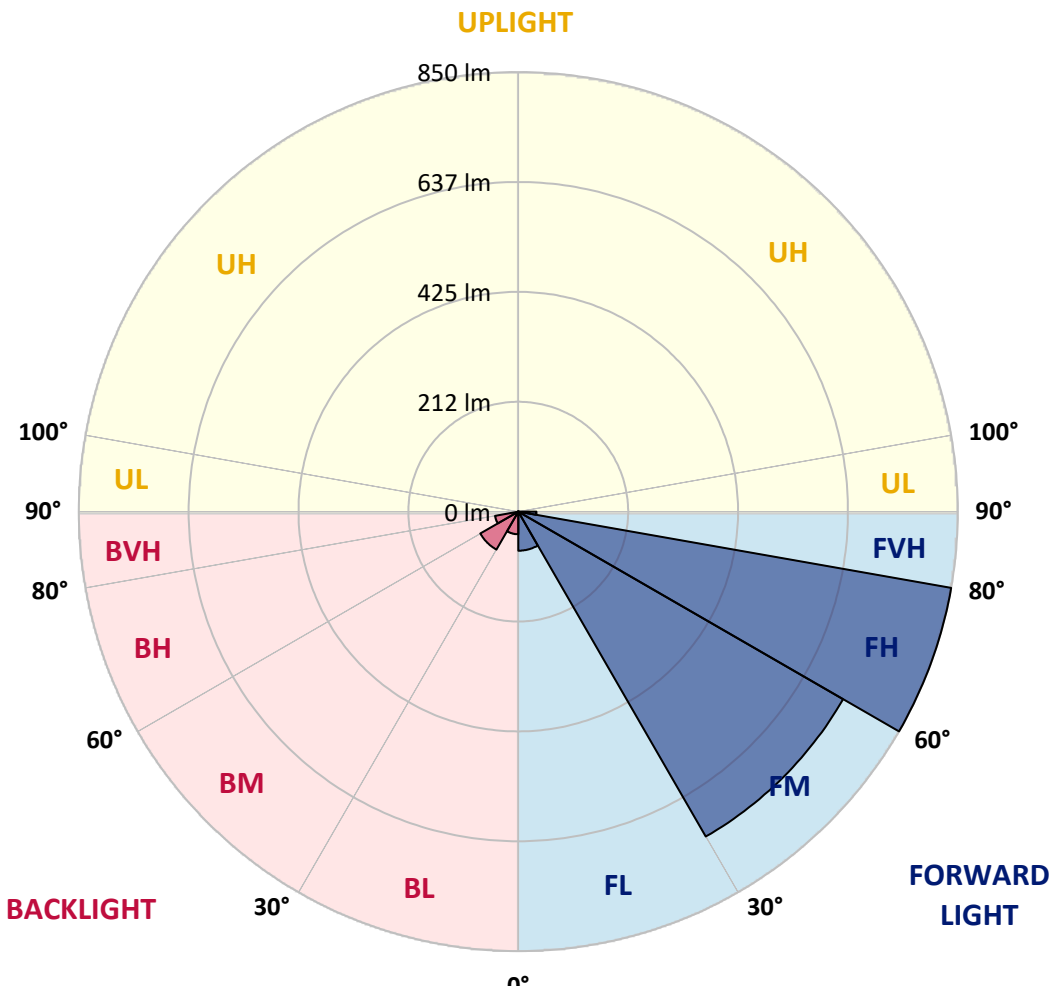
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	75.5	4.1			
FM	(30°-60°)	725.0	39.0			
FH	(60°-80°)	849.5	45.7			G1/1800
FVH	(80°-90°)	35.1	1.9			G1/100
BL	(0°-30°)	43.7	2.3	B0/110		
BM	(30°-60°)	84.8	4.6	B0/220		
BH	(60°-80°)	45.7	2.5	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	220.2	226.6	230.2	233.9	233.0	232.1	233.9	235.7	239.4	242.1	243.9
5°	198.3	198.3	198.3	198.3	199.2	199.2	199.2	199.2	200.1	201.0	201.9
7.5°	171.8	175.4	177.3	179.1	183.6	187.3	191.0	194.6	196.4	197.4	198.3
10°	186.4	186.4	186.4	186.4	187.3	187.3	175.4	162.6	163.5	164.5	159.0
12.5°	154.4	153.5	163.5	172.7	179.1	184.6	178.2	170.9	159.9	148.0	146.2
15°	181.8	181.8	181.8	181.8	169.0	156.2	147.1	138.0	145.3	151.7	137.0
17.5°	143.4	147.1	158.1	169.0	169.0	169.0	160.8	152.6	137.0	120.6	138.0
20°	178.2	178.2	178.2	177.3	156.2	135.2	142.5	148.9	155.3	161.7	159.0
22.5°	148.0	146.2	148.9	151.7	158.1	163.5	145.3	126.1	147.1	167.2	157.2
25°	187.3	187.3	188.2	188.2	168.1	148.0	159.9	170.9	155.3	139.8	164.5
27.5°	169.0	163.5	162.6	160.8	167.2	172.7	164.5	156.2	173.6	191.0	182.7
30°	234.8	234.8	228.4	222.0	197.4	171.8	174.5	176.3	176.3	176.3	194.6
32.5°	326.2	327.1	302.4	276.8	254.9	232.1	212.0	191.0	201.9	212.9	224.8
35°	439.5	442.2	424.9	406.6	352.7	298.8	265.0	231.2	230.2	228.4	245.8
37.5°	520.8	526.3	512.6	498.9	434.9	370.9	322.5	274.1	269.5	264.0	270.4
40°	597.5	593.9	585.7	576.5	508.9	440.4	387.4	333.5	321.6	308.8	309.7
42.5°	697.1	686.2	665.1	644.1	579.3	514.4	457.7	401.1	381.9	362.7	359.1
45°	826.0	807.7	777.5	746.5	682.5	618.6	549.1	478.8	455.0	430.3	424.9
47.5°	891.7	878.9	859.8	839.7	773.9	708.1	641.4	573.8	540.9	507.1	497.9
50°	969.4	953.0	940.2	926.5	869.8	812.2	750.1	687.1	643.2	599.4	583.8
52.5°	1043.4	1016.0	1004.1	991.3	946.6	900.9	836.0	771.1	742.8	713.6	676.1
55°	1069.9	1043.4	1037.9	1032.4	1000.5	968.5	909.1	849.7	816.8	783.0	752.9
57.5°	1012.3	1016.0	1032.4	1048.9	1030.6	1012.3	963.9	914.6	878.0	841.5	824.1
60°	973.1	981.3	1005.9	1030.6	1030.6	1030.6	1004.1	977.6	942.9	908.2	896.3
62.5°	910.0	920.1	957.5	995.0	1018.7	1042.5	1014.2	985.8	974.0	961.2	950.2
65°	826.9	829.6	871.6	913.7	963.0	1011.4	984.9	957.5	980.4	1003.2	992.2
67.5°	730.9	735.5	774.8	813.2	871.6	930.1	922.8	914.6	964.8	1015.1	1014.2
70°	616.7	624.9	658.8	691.6	757.4	822.3	829.6	836.9	923.7	1009.6	1026.0
72.5°	*473.3*	*489.7*	*515.3*	*540.0*	*606.7*	*672.5*	*699.9*	*727.3*	*851.5*	*974.9*	*1021.5*
75°	157.2	168.1	239.4	309.7	377.3	445.0	505.3	564.6	720.0	874.4	971.2
77.5°	45.7	47.5	61.2	74.0	127.0	179.1	241.2	302.4	454.1	604.8	765.7
80°	23.8	24.7	27.4	30.2	43.9	57.6	83.1	107.8	177.3	246.7	415.7
82.5°	16.4	16.4	19.2	21.0	26.5	32.0	45.7	59.4	64.9	70.4	167.2
85°	5.5	5.5	7.3	9.1	12.8	16.4	24.7	32.0	32.0	31.1	44.8
87.5°	0.9	0.9	1.8	2.7	4.6	5.5	4.6	3.7	2.7	1.8	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	247.6	247.6	247.6	*247.6*	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	244.9	245.8	245.8	*245.8*	246.7	246.7	246.7	246.7	245.8	246.7	246.7
5°	201.9	218.4	233.9	*238.5*	241.2	242.1	242.1	242.1	241.2	241.2	241.2
7.5°	199.2	198.3	197.4	*190.0*	207.4	211.1	213.8	212.9	212.9	208.3	202.8
10°	153.5	153.5	153.5	*155.3*	165.4	177.3	189.1	189.1	189.1	175.4	161.7
12.5°	143.4	148.9	153.5	*153.5*	137.0	150.8	164.5	164.5	164.5	150.8	136.1
15°	122.4	128.8	134.3	*143.4*	170.9	187.3	203.7	203.7	202.8	187.3	170.9
17.5°	154.4	152.6	149.8	*166.3*	156.2	159.0	161.7	153.5	165.4	160.8	156.2
20°	156.2	139.8	122.4	*157.2*	192.8	208.3	223.8	224.8	222.0	204.7	186.4
22.5°	147.1	168.1	188.2	*166.3*	171.8	168.1	163.5	161.7	161.7	160.8	159.9
25°	188.2	168.1	148.0	*194.6*	227.5	238.5	249.4	246.7	243.0	218.4	193.7
27.5°	173.6	193.7	212.9	*231.2*	247.6	257.7	267.7	296.0	257.7	229.3	200.1
30°	212.0	236.6	260.4	*286.9*	337.1	351.8	366.4	359.1	349.9	295.1	240.3
32.5°	235.7	275.0	313.4	*325.3*	355.4	369.1	381.9	375.5	364.6	292.4	220.2
35°	262.2	298.8	334.4	*353.6*	390.1	401.1	411.1	401.1	389.2	289.6	190.0
37.5°	276.8	326.2	374.6	*407.5*	438.6	441.3	443.1	434.0	418.5	289.6	160.8
40°	310.6	363.6	415.7	*463.2*	487.9	488.8	489.7	475.1	446.8	286.9	126.1
42.5°	355.4	409.3	462.3	*514.4*	547.3	544.5	540.9	520.8	474.2	282.3	90.5
45°	419.4	466.9	514.4	*572.9*	613.1	605.8	597.5	567.4	493.4	277.8	61.2
47.5°	487.9	525.4	561.9	*642.3*	693.5	677.9	661.5	617.6	507.1	275.9	43.9
50°	567.4	597.5	627.7	*715.4*	776.6	747.4	718.1	667.9	512.6	274.1	34.7
52.5°	637.7	668.8	699.0	*801.3*	847.9	815.0	782.1	707.2	509.8	270.4	30.2
55°	721.8	749.2	776.6	*883.5*	921.0	877.1	832.3	735.5	496.1	262.2	27.4
57.5°	805.9	834.2	861.6	*965.7*	976.7	933.8	889.9	762.9	482.4	254.0	24.7
60°	884.4	916.4	948.4	*1021.5*	1029.7	991.3	953.0	789.4	460.5	241.2	21.9
62.5°	939.2	983.1	1027.0	*1076.3*	1080.0	1045.2	1009.6	809.5	432.2	226.6	20.1
65°	980.4	1040.7	1100.1	*1130.2*	1128.4	1103.7	1079.0	826.9	409.3	212.9	16.4
67.5°	1012.3	1085.4	1158.5	*1178.6*	1183.2	1160.4	1137.5	829.6	381.0	197.4	12.8
70°	1042.5	1122.9	1203.3	*1241.7*	1232.5	1196.9	1161.3	808.6	342.6	176.3	9.1
72.5°	*1067.2*	*1151.2*	*1235.3*	*1279.1*	*1257.2*	*1181.4*	*1105.5*	*737.3*	*286.9*	*147.1*	*6.4*
75°	1067.2	1151.2	1234.4	*1271.8*	1196.9	1046.1	894.5	549.1	168.1	86.8	5.5
77.5°	926.5	987.7	1048.9	*1043.4*	911.8	724.5	536.3	316.1	56.6	31.1	4.6
80°	584.7	624.9	665.1	*645.0*	466.0	334.4	201.9	106.0	20.1	11.9	3.7
82.5°	264.0	259.5	254.9	*196.4*	91.4	61.2	30.2	18.3	5.5	3.7	1.8
85°	58.5	56.6	54.8	*40.2*	27.4	18.3	9.1	5.5	2.7	2.7	1.8
87.5°	5.5	6.4	6.4	*4.6*	4.6	3.7	1.8	1.8	1.8	1.8	1.8
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°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	246.7	246.7	246.7	245.8	245.8	245.8	239.4	232.1	227.5	222.0	219.3
5°	233.0	224.8	214.7	204.7	202.8	200.1	201.0	201.0	201.9	201.9	201.9
7.5°	198.3	193.7	195.5	197.4	197.4	197.4	197.4	196.4	195.5	194.6	185.5
10°	158.1	154.4	154.4	154.4	157.2	159.0	154.4	148.9	157.2	164.5	162.6
12.5°	145.3	154.4	142.5	129.7	131.6	132.5	132.5	131.6	127.9	124.3	111.5
15°	151.7	132.5	121.5	109.6	109.6	109.6	88.6	67.6	63.0	58.5	59.4
17.5°	145.3	134.3	121.5	107.8	81.3	53.9	51.2	47.5	47.5	47.5	48.4
20°	146.2	106.0	89.5	73.1	58.5	42.9	40.2	36.5	34.7	32.0	37.5
22.5°	143.4	126.1	85.9	45.7	40.2	34.7	32.0	28.3	32.9	37.5	37.5
25°	138.9	83.1	62.1	40.2	33.8	27.4	31.1	33.8	32.0	29.2	33.8
27.5°	139.8	78.6	53.9	29.2	31.1	32.0	30.2	27.4	30.2	32.0	30.2
30°	150.8	61.2	45.7	29.2	28.3	26.5	27.4	28.3	27.4	25.6	27.4
32.5°	134.3	48.4	38.4	27.4	26.5	25.6	24.7	23.8	24.7	24.7	24.7
35°	113.3	36.5	31.1	25.6	23.8	21.9	21.9	21.0	21.0	21.0	21.0
37.5°	95.9	31.1	27.4	22.8	21.0	19.2	18.3	16.4	16.4	15.5	15.5
40°	77.7	28.3	24.7	20.1	18.3	15.5	14.6	12.8	12.8	11.9	11.9
42.5°	58.5	25.6	21.9	17.4	15.5	12.8	11.0	9.1	9.1	8.2	8.2
45°	42.0	22.8	19.2	14.6	12.8	10.1	8.2	6.4	6.4	5.5	5.5
47.5°	32.9	21.0	17.4	12.8	10.1	7.3	6.4	4.6	4.6	4.6	4.6
50°	26.5	18.3	14.6	10.1	7.3	4.6	3.7	2.7	2.7	2.7	2.7
52.5°	23.8	16.4	12.8	8.2	6.4	3.7	2.7	1.8	2.7	2.7	2.7
55°	21.0	14.6	11.0	6.4	4.6	2.7	2.7	1.8	2.7	2.7	2.7
57.5°	19.2	12.8	9.1	4.6	3.7	1.8	1.8	0.9	1.8	1.8	1.8
60°	16.4	11.0	7.3	3.7	2.7	0.9	0.9	0.9	1.8	1.8	1.8
62.5°	14.6	9.1	6.4	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
65°	11.9	6.4	4.6	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
67.5°	9.1	4.6	3.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8	0.9
70°	6.4	3.7	2.7	0.9	0.9	0.9	0.9	0.9	1.8	1.8	0.9
72.5°	*4.6*	*2.7*	*1.8*	*0.9*	*0.9*	*0.0*	*0.9*	*0.9*	*1.8*	*1.8*	*1.8*
75°	4.6	2.7	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8	1.8
77.5°	3.7	1.8	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8	1.8
80°	2.7	1.8	1.8	0.9	0.9	0.0	1.8	2.7	2.7	2.7	1.8
82.5°	1.8	1.8	1.8	0.9	0.9	0.0	1.8	2.7	2.7	2.7	1.8
85°	1.8	1.8	1.8	1.8	0.9	0.0	1.8	2.7	2.7	2.7	2.7
87.5°	1.8	1.8	1.8	1.8	1.8	0.9	2.7	3.7	3.7	2.7	2.7
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°	247.6	247.6	247.6	247.6
2.5°	215.6	215.6	214.7	217.5
5°	201.9	201.9	201.9	202.8
7.5°	175.4	169.0	162.6	163.5
10°	159.9	158.1	155.3	157.2
12.5°	98.7	93.2	86.8	84.1
15°	60.3	60.3	60.3	59.4
17.5°	49.3	45.7	41.1	42.0
20°	42.9	43.9	44.8	44.8
22.5°	37.5	35.6	33.8	33.8
25°	37.5	37.5	37.5	37.5
27.5°	28.3	28.3	27.4	27.4
30°	29.2	29.2	28.3	27.4
32.5°	23.8	23.8	23.8	23.8
35°	20.1	19.2	18.3	18.3
37.5°	15.5	14.6	13.7	13.7
40°	11.0	11.0	10.1	10.1
42.5°	8.2	8.2	7.3	7.3
45°	5.5	5.5	5.5	5.5
47.5°	3.7	3.7	3.7	3.7
50°	2.7	2.7	2.7	2.7
52.5°	2.7	2.7	1.8	1.8
55°	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8
60°	1.8	1.8	0.9	0.9
62.5°	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	*0.9*	*0.9*	*0.0*	*0.0*
75°	0.9	0.9	0.0	0.0
77.5°	0.9	0.9	0.0	0.0
80°	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.0
85°	1.8	1.8	0.9	0.0
87.5°	1.8	1.8	0.9	0.0
90°	0.0	0.0	0.0	0.0

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