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: P560083

Luminaire Tested: **SDL-PA1-20-760-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560083
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-760-U-T3
Description:	Springdale
	(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2745 lumens
Efficiency:	N/A
Efficacy:	130.7 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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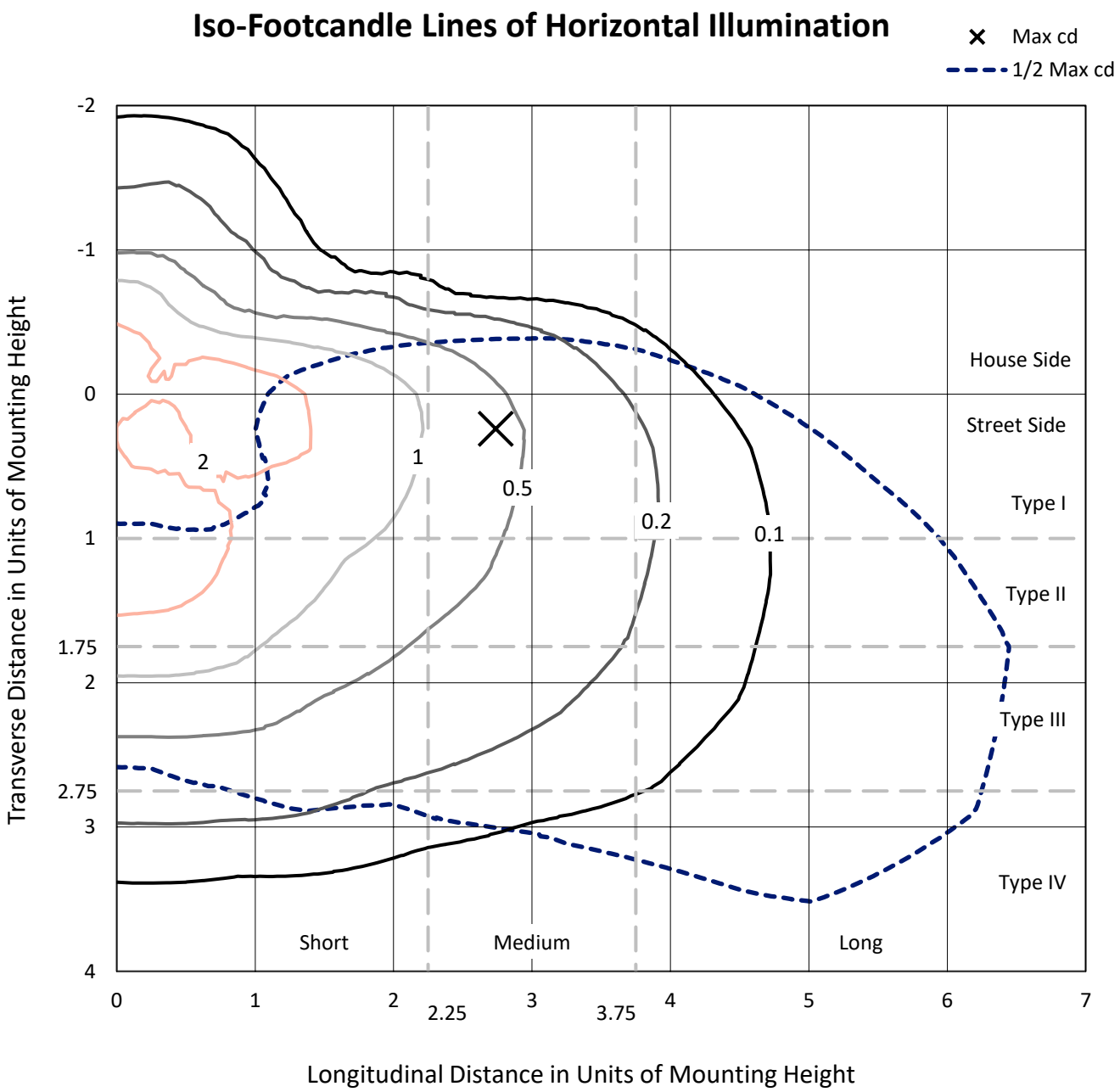

Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Medium - N/A

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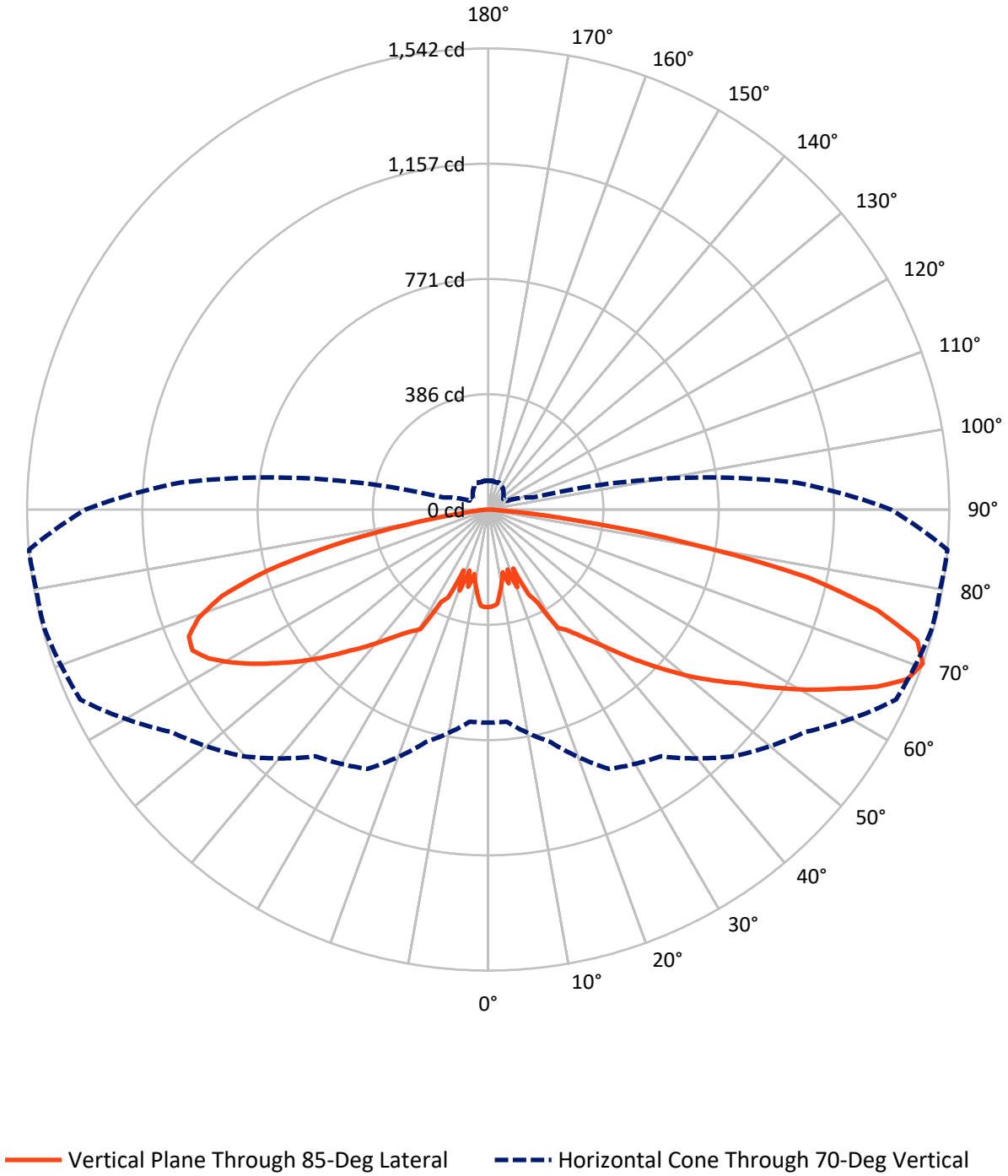
Luminous Intensity Polar Plot



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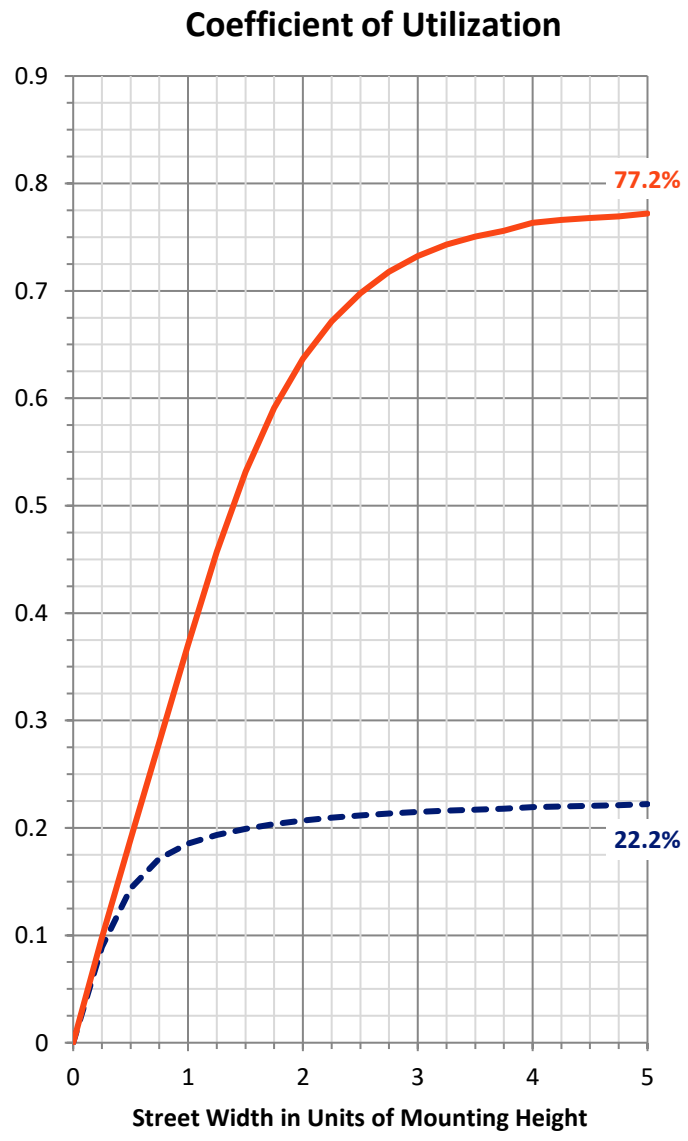
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	620.7	0.0	620.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2124.3	0.0	2124.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	2745.0	0.0	2745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	1.0
10°-20°	66.3	2.4
20°-30°	121.1	4.4
30°-40°	228.8	8.3
40°-50°	372.7	13.6
50°-60°	574.9	20.9
60°-70°	704.7	25.7
70°-80°	551.9	20.1
80°-90°	98.3	3.6
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°	2745.0	100.0
0°-180°	2745.0	100.0



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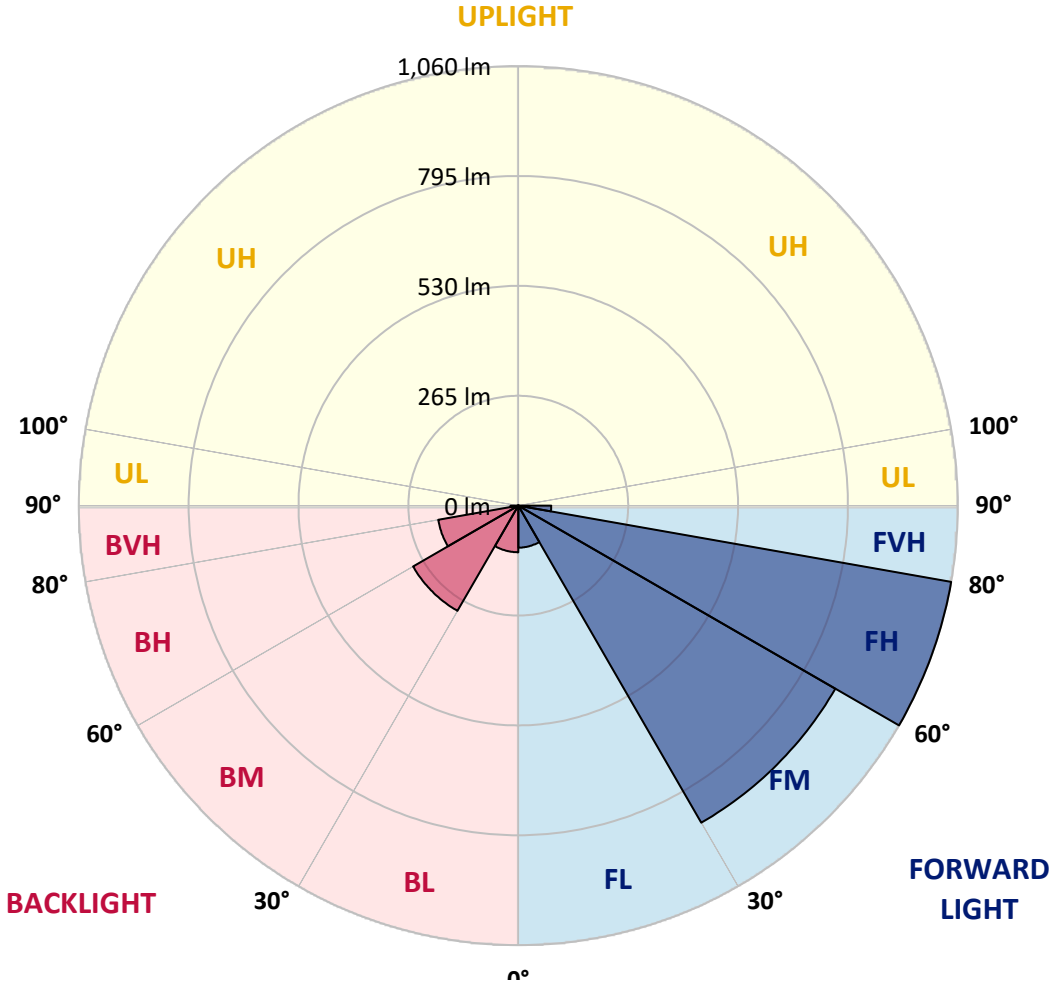
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	101.3	3.7			
FM	(30°-60°)	883.1	32.2			
FH	(60°-80°)	1060.3	38.6			G1/1800
FVH	(80°-90°)	79.6	2.9			G1/100
BL	(0°-30°)	112.6	4.1	B1/500		
BM	(30°-60°)	293.2	10.7	B1/1000		
BH	(60°-80°)	196.2	7.1	B1/500		G1/500
BVH	(80°-90°)	18.7	0.7			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°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1
2.5°	268.9	293.0	293.0	293.0	298.0	302.0	304.0	305.0	309.0	312.0	314.0
5°	250.8	251.8	251.8	251.8	252.8	253.8	254.8	255.8	257.8	258.8	261.9
7.5°	210.7	214.7	222.7	229.8	234.8	239.8	243.8	246.8	248.8	250.8	251.8
10°	234.8	234.8	234.8	234.8	234.8	234.8	222.7	210.7	211.7	211.7	205.7
12.5°	196.6	202.7	211.7	219.7	226.7	232.8	224.7	216.7	201.7	186.6	186.6
15°	227.7	227.7	226.7	225.7	212.7	199.7	187.6	175.6	183.6	191.6	177.6
17.5°	195.6	196.6	208.7	219.7	217.7	214.7	203.7	191.6	172.6	152.5	172.6
20°	250.8	247.8	241.8	235.8	207.7	179.6	184.6	189.6	194.6	198.6	198.6
22.5°	230.8	232.8	236.8	240.8	237.8	233.8	204.7	175.6	192.6	209.7	194.6
25°	316.0	316.0	304.0	292.0	261.9	230.8	235.8	239.8	210.7	180.6	205.7
27.5°	292.0	289.9	284.9	278.9	284.9	289.9	263.9	236.8	244.8	252.8	231.8
30°	388.3	388.3	383.3	378.2	335.1	291.0	287.9	283.9	266.9	248.8	260.9
32.5°	465.5	464.5	441.4	418.4	394.3	369.2	343.1	316.0	314.0	312.0	310.0
35°	557.8	557.8	544.8	531.7	478.6	424.4	393.3	362.2	353.2	344.1	351.1
37.5°	610.0	617.0	612.0	606.0	547.8	488.6	445.5	401.3	392.3	383.3	386.3
40°	682.2	680.2	679.2	677.2	610.0	542.8	496.6	449.5	443.4	437.4	437.4
42.5°	791.6	780.6	768.5	755.5	687.2	619.0	567.9	515.7	504.6	492.6	493.6
45°	942.1	930.0	901.9	872.9	803.6	734.4	666.2	598.0	578.9	558.8	556.8
47.5°	1034.4	1021.3	1007.3	992.2	918.0	843.8	773.5	702.3	674.2	646.1	635.1
50°	1129.7	1117.7	1106.6	1095.6	1030.4	965.2	894.9	824.7	780.6	736.4	717.3
52.5°	1220.0	1197.9	1186.9	1175.8	1120.7	1064.5	991.2	918.0	884.9	851.8	810.6
55°	1264.1	1237.0	1233.0	1228.0	1186.9	1144.7	1074.5	1004.3	967.2	929.0	887.9
57.5°	1201.9	1203.9	1226.0	1248.1	1225.0	1201.9	1135.7	1069.5	1032.4	995.3	964.2
60°	1145.7	1160.8	1187.9	1215.0	1217.0	1218.0	1182.9	1147.8	1106.6	1065.5	1041.4
62.5°	1068.5	1079.5	1121.7	1162.8	1193.9	1224.0	1187.9	1151.8	1137.7	1122.7	1107.6
65°	964.2	967.2	1015.3	1062.5	1118.7	1173.8	1145.7	1117.7	1141.7	1164.8	1166.8
67.5°	836.7	845.8	892.9	940.1	1008.3	1075.5	1074.5	1073.5	1124.7	1174.8	1210.0
70°	*712.3*	*712.3*	*758.5*	*804.6*	*880.9*	*957.1*	*982.2*	*1007.3*	*1086.6*	*1165.8*	*1231.0*
72.5°	536.8	561.8	585.9	610.0	695.3	779.5	834.7	889.9	1008.3	1125.7	1225.0
75°	296.0	298.0	319.0	340.1	425.4	510.7	593.9	677.2	835.7	994.2	1150.8
77.5°	97.3	94.3	106.3	117.4	167.5	216.7	286.9	357.2	531.7	706.3	958.1
80°	54.2	55.2	59.2	63.2	79.3	94.3	128.4	162.5	236.8	310.0	609.0
82.5°	36.1	37.1	41.1	45.1	52.2	59.2	78.3	96.3	103.3	109.4	274.9
85°	23.1	24.1	26.1	28.1	30.1	31.1	44.1	57.2	52.2	47.2	82.3
87.5°	5.0	5.0	6.0	6.0	7.0	8.0	10.0	12.0	11.0	9.0	12.0
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°	326.1	326.1	326.1	326.1	326.1	326.1	*326.1*	326.1	326.1	326.1	326.1
2.5°	315.0	317.0	318.0	319.0	320.0	322.1	*323.1*	324.1	326.1	327.1	327.1
5°	264.9	282.9	300.0	306.0	312.0	315.0	*317.0*	320.0	322.1	324.1	326.1
7.5°	252.8	253.8	254.8	261.9	268.9	274.9	*280.9*	282.9	287.9	284.9	280.9
10°	198.6	199.7	199.7	206.7	213.7	234.8	*248.8*	251.8	254.8	242.8	229.8
12.5°	185.6	190.6	195.6	192.6	189.6	204.7	*214.7*	218.7	220.7	212.7	204.7
15°	162.5	167.5	171.6	194.6	217.7	237.8	*255.8*	260.9	266.9	253.8	239.8
17.5°	192.6	190.6	187.6	191.6	195.6	200.7	*210.7*	213.7	213.7	217.7	221.7
20°	198.6	176.6	154.5	195.6	236.8	254.8	*277.9*	285.9	287.9	276.9	265.9
22.5°	178.6	203.7	228.7	223.7	218.7	213.7	*213.7*	216.7	219.7	221.7	223.7
25°	229.8	208.7	187.6	235.8	283.9	303.0	*314.0*	319.0	323.1	309.0	294.0
27.5°	210.7	238.8	265.9	286.9	308.0	329.1	*352.2*	374.2	347.1	334.1	321.0
30°	271.9	295.0	318.0	368.2	418.4	445.5	*459.5*	459.5	459.5	440.4	420.4
32.5°	308.0	348.1	388.3	415.4	441.4	468.5	*479.6*	479.6	479.6	456.5	432.4
35°	357.2	389.3	421.4	452.5	483.6	504.6	*512.7*	509.7	503.6	472.5	441.4
37.5°	389.3	432.4	475.6	507.7	538.8	551.8	*554.8*	545.8	536.8	495.6	453.5
40°	437.4	484.6	530.7	564.8	599.0	610.0	*604.0*	591.9	575.9	520.7	465.5
42.5°	493.6	540.8	587.9	628.1	667.2	674.2	*665.2*	646.1	618.0	542.8	466.5
45°	554.8	602.0	648.1	693.3	738.4	743.4	*731.4*	703.3	662.2	563.8	465.5
47.5°	623.0	660.2	697.3	761.5	825.7	819.7	*801.6*	769.5	715.3	588.9	461.5
50°	698.3	727.4	755.5	835.7	916.0	897.9	*877.9*	842.8	771.5	618.0	463.5
52.5°	768.5	796.6	824.7	908.0	990.2	973.2	*951.1*	920.0	828.7	649.1	468.5
55°	846.8	876.9	907.0	995.3	1083.5	1054.4	*1026.4*	1006.3	884.9	675.2	465.5
57.5°	932.0	970.2	1008.3	1089.6	1169.8	1138.7	*1122.7*	1096.6	947.1	706.3	465.5
60°	1017.3	1063.5	1109.6	1180.9	1252.1	1227.0	*1224.0*	1187.9	1005.3	729.4	452.5
62.5°	1092.6	1161.8	1231.0	1287.2	1342.4	1318.3	*1319.3*	1277.2	1059.5	734.4	408.3
65°	1168.8	1258.1	1346.4	1387.5	1428.7	1411.6	*1428.7*	1353.4	1095.6	714.3	333.1
67.5°	1244.1	1342.4	1440.7	1471.8	1502.9	1492.9	*1512.9*	1378.5	1087.6	662.2	235.8
70°	*1296.2*	*1400.6*	*1504.9*	*1521.0*	*1537.0*	*1535.0*	*1542.0*	*1347.4*	*1033.4*	*594.9*	*155.5*
72.5°	1324.3	1422.6	1520.0	1527.0	1533.0	1530.0	*1500.9*	1250.1	936.1	521.7	107.4
75°	1306.3	1401.6	1496.9	1482.8	1468.8	1440.7	*1343.4*	1076.5	767.5	423.4	79.3
77.5°	1210.0	1313.3	1416.6	1380.5	1343.4	1261.1	*1097.6*	806.6	533.7	298.0	61.2
80°	908.0	1035.4	1162.8	1119.7	1075.5	901.9	*668.2*	451.5	275.9	161.5	47.2
82.5°	439.4	510.7	581.9	570.9	559.8	414.4	*288.9*	162.5	79.3	58.2	37.1
85°	116.4	172.6	228.7	218.7	208.7	110.4	*48.2*	42.1	31.1	29.1	26.1
87.5°	14.0	16.1	17.1	12.0	6.0	5.0	*5.0*	3.0	3.0	4.0	4.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1
2.5°	329.1	330.1	330.1	330.1	330.1	330.1	322.1	314.0	312.0	310.0	306.0
5°	317.0	307.0	300.0	293.0	293.0	292.0	295.0	298.0	300.0	301.0	302.0
7.5°	281.9	282.9	288.9	294.0	299.0	303.0	306.0	308.0	306.0	303.0	291.0
10°	230.8	231.8	236.8	240.8	247.8	253.8	270.9	286.9	306.0	325.1	330.1
12.5°	219.7	233.8	225.7	217.7	239.8	260.9	282.9	304.0	319.0	333.1	323.1
15°	223.7	207.7	210.7	213.7	240.8	267.9	251.8	234.8	274.9	315.0	324.1
17.5°	222.7	222.7	237.8	252.8	227.7	201.7	238.8	274.9	291.0	306.0	294.0
20°	237.8	208.7	219.7	229.8	249.8	268.9	252.8	236.8	242.8	248.8	287.9
22.5°	247.8	270.9	245.8	219.7	237.8	255.8	252.8	249.8	267.9	285.9	275.9
25°	258.8	222.7	240.8	257.8	237.8	216.7	232.8	247.8	242.8	237.8	268.9
27.5°	297.0	271.9	248.8	225.7	237.8	248.8	236.8	223.7	228.7	233.8	231.8
30°	359.2	297.0	267.9	238.8	223.7	207.7	208.7	209.7	215.7	221.7	238.8
32.5°	375.2	318.0	275.9	233.8	223.7	213.7	204.7	194.6	203.7	212.7	232.8
35°	379.2	316.0	270.9	225.7	209.7	193.6	187.6	181.6	196.6	211.7	229.8
37.5°	377.2	300.0	251.8	203.7	191.6	179.6	176.6	172.6	182.6	191.6	204.7
40°	372.2	278.9	230.8	182.6	172.6	162.5	160.5	158.5	165.5	172.6	180.6
42.5°	363.2	258.8	210.7	162.5	155.5	148.5	146.5	143.5	149.5	155.5	158.5
45°	352.2	238.8	193.6	147.5	142.5	136.4	133.4	129.4	135.4	140.5	141.5
47.5°	341.1	219.7	178.6	136.4	132.4	127.4	124.4	120.4	125.4	129.4	130.4
50°	332.1	199.7	162.5	125.4	121.4	117.4	114.4	111.4	116.4	120.4	120.4
52.5°	327.1	184.6	148.5	112.4	110.4	108.4	107.4	105.3	109.4	113.4	114.4
55°	315.0	163.5	132.4	100.3	101.3	101.3	100.3	98.3	106.3	113.4	116.4
57.5°	302.0	138.5	115.4	91.3	93.3	95.3	96.3	97.3	106.3	114.4	118.4
60°	284.9	117.4	100.3	83.3	86.3	88.3	93.3	97.3	105.3	113.4	115.4
62.5°	254.8	100.3	88.3	76.2	80.3	84.3	90.3	96.3	102.3	108.4	108.4
65°	210.7	87.3	79.3	70.2	76.2	81.3	88.3	95.3	100.3	104.3	103.3
67.5°	157.5	78.3	72.2	65.2	72.2	78.3	84.3	90.3	96.3	102.3	100.3
70°	*113.4*	*70.2*	*66.2*	*61.2*	*67.2*	*73.2*	*79.3*	*85.3*	*91.3*	*97.3*	*96.3*
72.5°	86.3	64.2	60.2	56.2	62.2	67.2	74.2	81.3	87.3	93.3	91.3
75°	69.2	58.2	55.2	51.2	57.2	63.2	70.2	76.2	82.3	88.3	86.3
77.5°	57.2	52.2	49.2	46.2	51.2	56.2	63.2	70.2	76.2	81.3	79.3
80°	46.2	44.1	42.1	39.1	45.1	50.2	57.2	63.2	68.2	73.2	70.2
82.5°	36.1	35.1	34.1	32.1	37.1	42.1	49.2	56.2	60.2	64.2	62.2
85°	27.1	27.1	26.1	25.1	29.1	32.1	36.1	39.1	43.1	46.2	44.1
87.5°	4.0	4.0	6.0	7.0	7.0	7.0	10.0	13.0	13.0	12.0	10.0
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):

	165°	170°	175°	180°
0°	326.1	326.1	326.1	326.1
2.5°	302.0	302.0	302.0	303.0
5°	303.0	304.0	304.0	306.0
7.5°	277.9	276.9	275.9	275.9
10°	334.1	336.1	337.1	339.1
12.5°	312.0	300.0	287.9	287.9
15°	333.1	335.1	336.1	338.1
17.5°	281.9	280.9	279.9	277.9
20°	326.1	328.1	329.1	329.1
22.5°	265.9	265.9	264.9	264.9
25°	300.0	300.0	300.0	302.0
27.5°	228.7	235.8	242.8	251.8
30°	255.8	256.8	257.8	257.8
32.5°	252.8	265.9	278.9	280.9
35°	247.8	247.8	246.8	247.8
37.5°	217.7	214.7	210.7	212.7
40°	187.6	180.6	173.6	172.6
42.5°	161.5	155.5	148.5	148.5
45°	142.5	138.5	133.4	131.4
47.5°	130.4	126.4	122.4	121.4
50°	119.4	115.4	111.4	111.4
52.5°	115.4	112.4	108.4	107.4
55°	119.4	113.4	107.4	105.3
57.5°	121.4	114.4	107.4	104.3
60°	116.4	112.4	107.4	103.3
62.5°	107.4	105.3	103.3	101.3
65°	101.3	101.3	100.3	98.3
67.5°	98.3	99.3	99.3	97.3
70°	*94.3*	*96.3*	*97.3*	*95.3*
72.5°	89.3	90.3	90.3	87.3
75°	83.3	82.3	81.3	79.3
77.5°	76.2	75.2	73.2	71.2
80°	67.2	66.2	65.2	62.2
82.5°	59.2	61.2	62.2	51.2
85°	41.1	37.1	33.1	27.1
87.5°	8.0	6.0	3.0	3.0
90°	0.0	0.0	0.0	0.0

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