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: P560004

Luminaire Tested: **SDL-PA1-20-730-U-SL3-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:	P560004
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
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-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2095.5 lumens
Efficiency:	N/A
Efficacy:	99.8 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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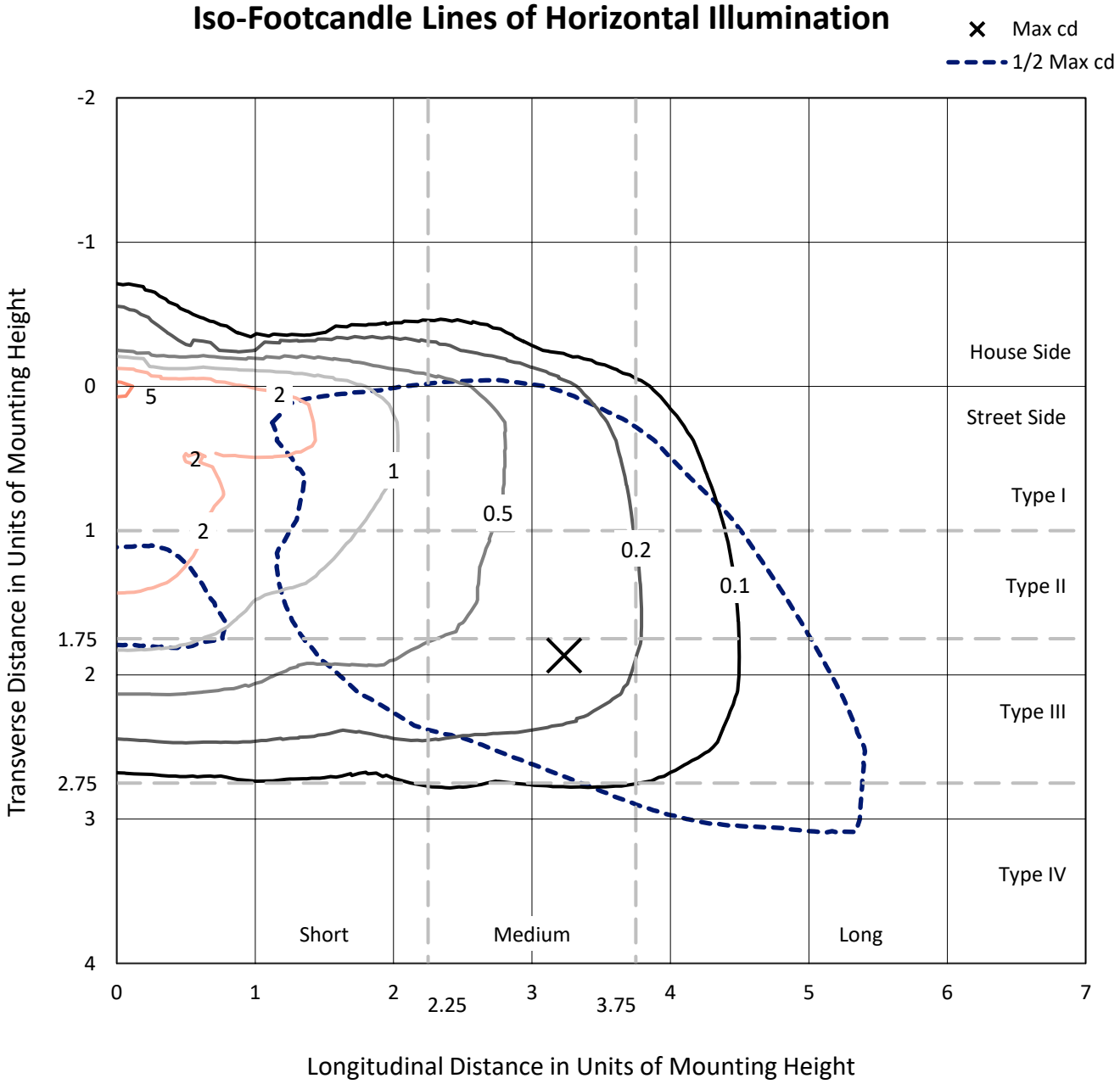
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type IV - Medium - N/A

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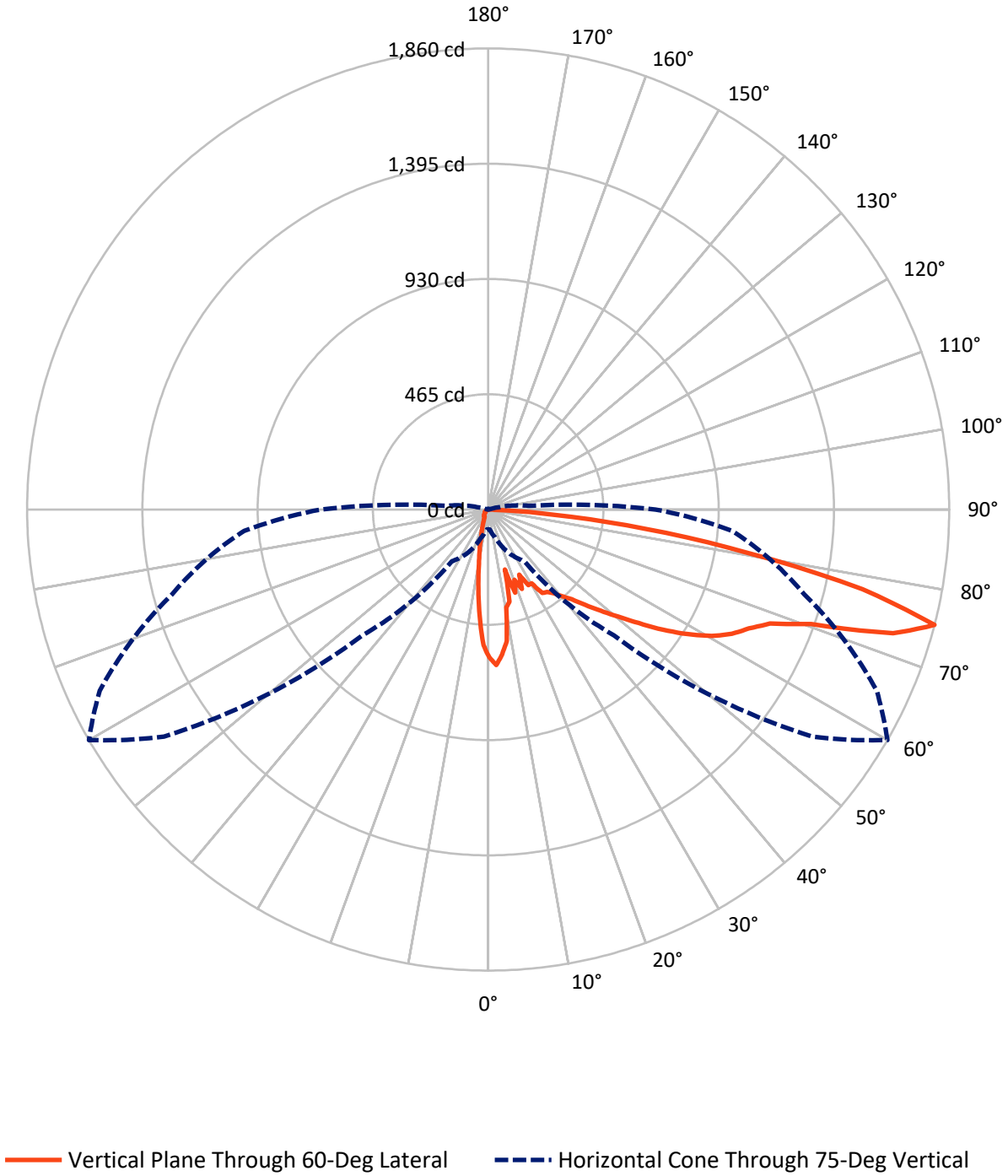
Luminous Intensity Polar Plot



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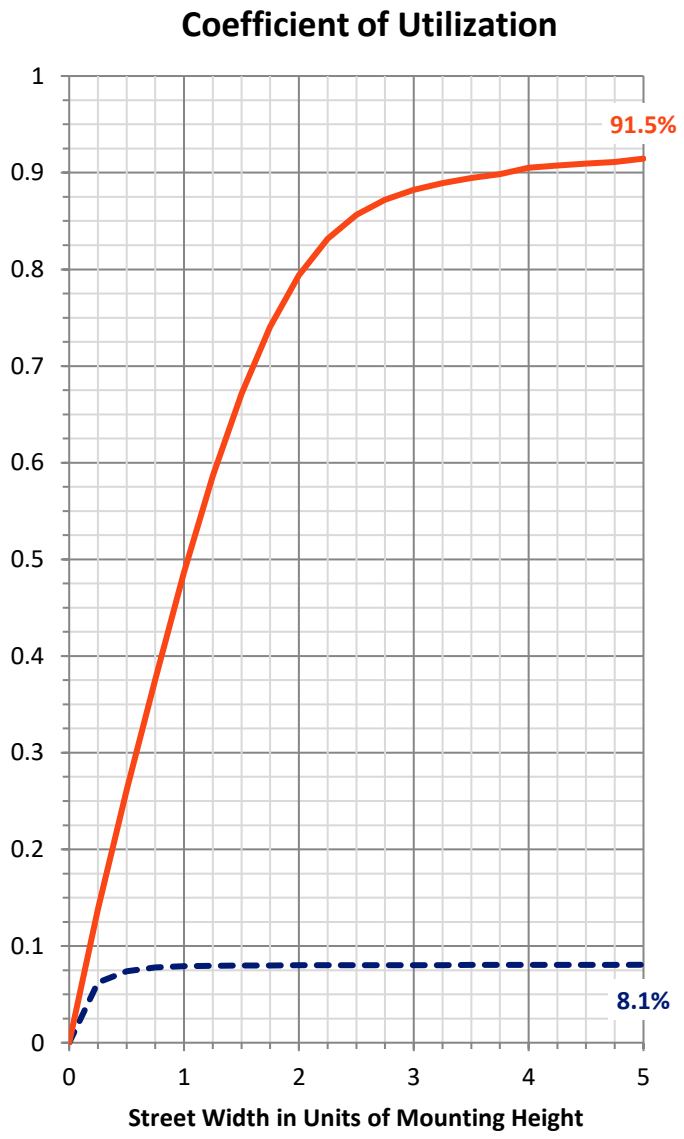
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.7	0.0	170.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	1924.8	0.0	1924.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	2095.5	0.0	2095.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	2.0
10°-20°	68.6	3.3
20°-30°	98.2	4.7
30°-40°	174.9	8.3
40°-50°	287.9	13.7
50°-60°	443.9	21.2
60°-70°	517.3	24.7
70°-80°	400.9	19.1
80°-90°	62.6	3.0
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°	2095.5	100.0
0°-180°	2095.5	100.0



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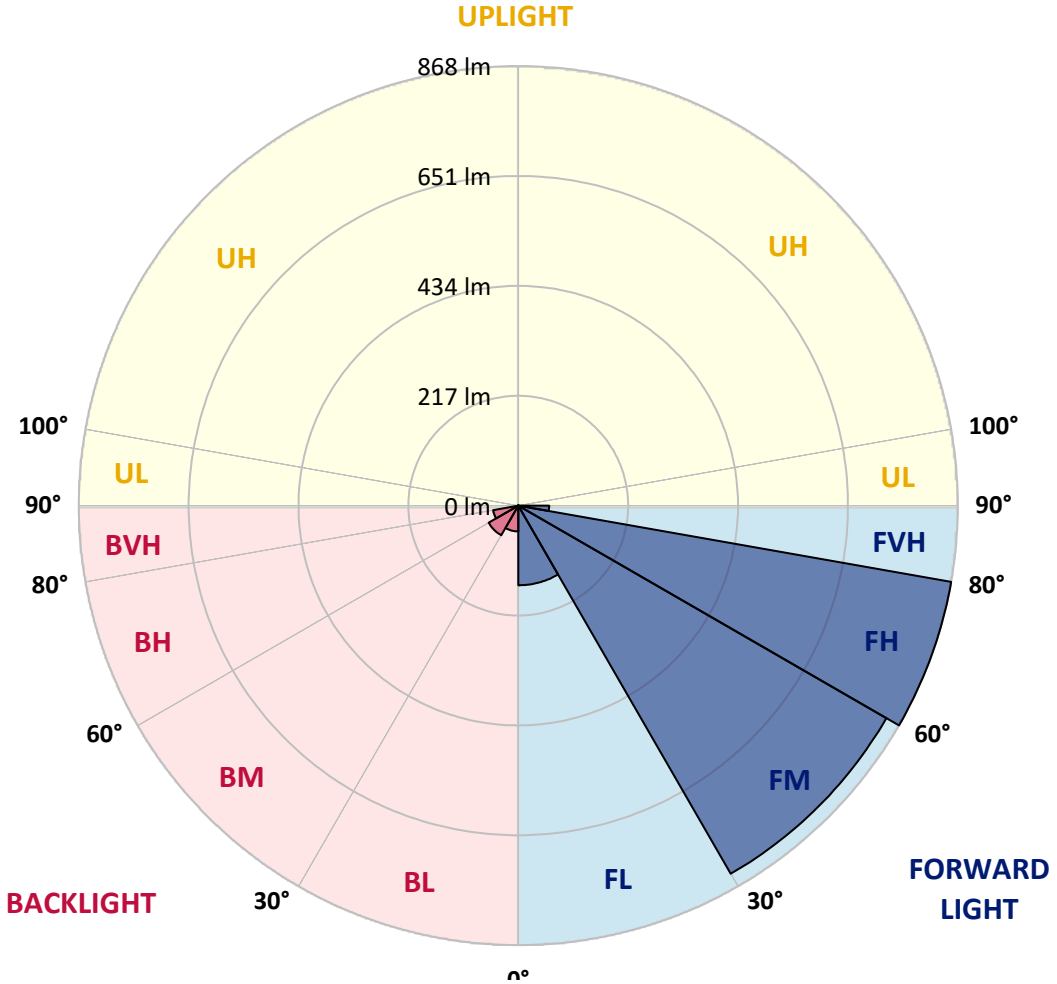
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	157.2	7.5			
FM	(30°-60°)	839.1	40.0			
FH	(60°-80°)	867.7	41.4			G1/1800
FVH	(80°-90°)	60.9	2.9			G1/100
BL	(0°-30°)	50.9	2.4	B0/110		
BM	(30°-60°)	67.6	3.2	B0/220		
BH	(60°-80°)	50.5	2.4	B0/110		G0/110
BVH	(80°-90°)	1.7	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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CATALOG NUMBER: SDL-PA1-20-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	558.0	578.9	591.7	603.5	619.0	634.5	635.4	636.3	636.3	636.3	635.4
5°	538.9	540.7	540.7	540.7	543.4	546.2	548.0	548.9	549.8	549.8	548.9
7.5°	421.5	455.1	476.1	496.1	501.6	507.0	514.3	520.7	526.1	530.7	534.3
10°	467.0	470.6	470.6	469.7	474.3	477.9	442.4	406.0	420.6	435.1	416.9
12.5°	360.5	378.7	401.4	423.3	437.8	452.4	436.0	419.6	394.2	367.8	365.9
15°	421.5	424.2	425.1	426.0	401.4	375.9	345.9	315.0	335.9	356.8	326.8
17.5°	324.1	326.8	352.3	377.8	380.5	383.2	364.1	344.1	300.4	256.7	297.7
20°	387.8	389.6	389.6	389.6	341.4	293.1	296.8	299.5	313.1	326.8	316.8
22.5°	312.2	308.6	310.4	311.3	325.9	339.5	311.3	282.2	303.1	323.2	305.9
25°	390.5	391.4	386.0	379.6	336.8	293.1	308.6	323.2	298.6	273.1	297.7
27.5°	353.2	349.5	336.8	324.1	330.4	336.8	307.7	277.6	301.3	324.1	313.1
30°	465.2	463.3	446.9	429.7	378.7	326.8	321.3	315.0	301.3	286.7	305.9
32.5°	620.8	599.0	538.0	476.1	444.2	411.4	371.4	331.3	335.9	339.5	342.3
35°	655.4	645.4	619.0	592.6	543.4	493.4	438.8	383.2	370.5	357.7	365.0
37.5°	664.5	660.9	657.2	652.7	594.4	536.2	481.5	426.0	416.0	405.1	396.9
40°	673.6	677.3	688.2	698.2	643.6	589.0	538.0	486.1	474.3	462.4	441.5
42.5°	710.0	712.8	729.1	745.5	692.7	639.0	594.4	549.8	532.5	515.2	496.1
45°	787.4	790.1	799.2	808.3	759.2	709.1	660.0	609.9	596.2	581.7	559.8
47.5°	894.8	897.5	893.0	888.4	832.0	774.7	716.4	658.1	653.6	649.0	626.3
50°	1017.7	1014.1	989.5	964.9	903.0	841.1	772.8	703.6	707.3	710.9	694.5
52.5°	1074.1	1072.3	1044.1	1015.9	952.2	887.5	816.5	744.6	757.4	769.2	760.1
55°	1070.5	1069.6	1050.5	1031.4	971.3	911.2	844.7	778.3	807.4	835.6	830.2
57.5°	1030.4	1032.3	1029.5	1026.8	974.0	921.2	867.5	813.8	857.5	900.3	907.6
60°	967.6	967.6	981.3	994.0	963.1	931.2	886.6	841.1	901.2	961.3	979.5
62.5°	836.6	851.1	880.2	909.4	919.4	929.4	893.0	856.6	939.4	1022.2	1048.6
65°	644.5	650.9	703.6	756.4	805.6	853.8	856.6	859.3	985.8	1111.5	1120.6
67.5°	374.1	400.5	458.8	516.1	612.6	708.2	757.4	806.5	1005.9	1204.3	1214.3
70°	196.6	207.5	235.8	263.1	349.5	435.1	557.1	678.2	959.4	1239.8	1327.2
72.5°	134.7	144.7	160.2	175.7	208.5	240.3	327.7	414.2	763.7	1113.3	1384.5
75°	*79.2*	*81.9*	*101.0*	*120.2*	*155.7*	*191.2*	*223.0*	*254.0*	*486.1*	*717.3*	*1157.0*
77.5°	31.9	34.6	42.8	51.0	101.0	150.2	183.0	215.7	271.3	326.8	794.7
80°	17.3	17.3	20.9	23.7	45.5	66.5	122.9	179.3	206.6	233.9	515.2
82.5°	10.0	10.0	12.7	14.6	22.8	30.9	70.1	109.2	161.1	212.1	347.7
85°	3.6	3.6	4.6	5.5	10.9	15.5	25.5	34.6	100.1	164.8	200.3
87.5°	0.9	0.9	1.8	1.8	2.7	3.6	4.6	4.6	3.6	2.7	18.2
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°	597.1	*597.1*	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	633.6	*628.1*	624.5	618.1	611.7	606.2	599.9	591.7	585.3	577.1	568.9
5°	548.0	*586.2*	625.4	621.7	617.2	604.4	591.7	577.1	563.5	547.1	530.7
7.5°	537.1	*536.2*	498.8	518.0	536.2	521.6	507.0	490.6	472.4	440.6	408.7
10°	398.7	*401.4*	400.5	405.1	409.6	421.5	432.4	408.7	386.0	335.9	284.9
12.5°	364.1	*381.4*	386.0	355.0	324.1	336.8	349.5	325.9	303.1	256.7	210.3
15°	295.8	*251.2*	315.0	356.8	397.8	404.2	409.6	378.7	342.3	278.5	213.9
17.5°	337.7	*353.2*	335.0	335.9	335.9	336.8	337.7	309.5	273.1	224.8	176.6
20°	306.8	*302.2*	304.0	334.1	364.1	384.1	403.3	360.5	314.0	239.4	163.9
22.5°	288.6	*347.7*	373.2	360.5	347.7	315.9	283.1	250.3	212.1	174.8	136.5
25°	321.3	*290.4*	310.4	359.6	408.7	408.7	408.7	352.3	289.5	209.4	129.3
27.5°	302.2	*345.0*	365.0	404.2	442.4	458.8	474.3	402.3	319.5	220.3	120.2
30°	325.0	*345.0*	416.0	494.3	572.6	558.9	544.3	452.4	347.7	231.2	114.7
32.5°	345.0	*401.4*	464.2	523.4	582.6	567.1	550.7	448.8	331.3	208.5	85.6
35°	372.3	*408.7*	467.0	538.9	610.8	587.1	562.6	450.6	318.6	191.2	63.7
37.5°	388.7	*428.7*	491.6	567.1	641.7	612.6	583.5	458.8	307.7	178.4	49.2
40°	419.6	*459.7*	522.5	601.7	680.9	647.2	612.6	473.3	301.3	171.1	41.0
42.5°	477.0	*495.2*	565.3	649.0	732.8	697.3	660.9	504.3	299.5	167.5	35.5
45°	537.1	*548.9*	610.8	704.6	797.4	761.0	723.7	542.5	305.9	170.2	33.7
47.5°	602.6	*609.0*	665.4	781.9	898.4	848.4	798.3	595.3	319.5	175.7	31.9
50°	678.2	*678.2*	732.8	858.4	984.0	932.1	880.2	657.2	336.8	183.9	30.9
52.5°	750.1	*760.1*	802.0	930.3	1058.7	1010.4	961.3	725.5	359.6	194.8	29.1
55°	823.8	*855.7*	871.1	1002.2	1133.3	1077.8	1022.2	775.6	373.2	200.3	27.3
57.5°	914.8	*948.5*	956.7	1067.8	1178.8	1125.1	1070.5	818.3	383.2	204.8	26.4
60°	997.7	*1035.9*	1052.3	1134.2	1215.2	1159.7	1104.2	855.7	392.3	208.5	23.7
62.5°	1074.1	*1103.3*	1128.8	1181.5	1234.3	1182.5	1129.7	888.4	397.8	209.4	20.9
65°	1129.7	*1156.1*	1192.5	1222.5	1252.5	1213.4	1174.3	944.9	413.3	214.8	15.5
67.5°	1223.4	*1226.2*	1247.1	1271.7	1296.2	1275.3	1254.4	1023.2	431.5	222.1	11.8
70°	1413.7	*1382.7*	1355.4	1380.0	1403.7	1374.5	1345.4	1045.9	389.6	199.4	9.1
72.5°	1655.8	*1707.7*	1575.7	1524.7	1472.8	1365.4	1257.1	900.3	276.7	142.0	7.3
75°	*1596.6*	*1859.7*	*1729.5*	*1524.7*	*1319.9*	*1154.2*	*987.7*	*675.4*	*170.2*	*88.3*	*5.5*
77.5°	1261.7	*1543.8*	1497.4	1286.2	1074.1	870.2	666.3	415.1	60.1	32.8	5.5
80°	796.5	*1067.8*	1027.7	835.6	642.7	457.0	271.3	126.5	22.8	14.6	6.4
82.5°	483.4	*636.3*	499.7	313.1	126.5	89.2	51.9	27.3	7.3	6.4	5.5
85°	234.9	*263.1*	172.0	99.2	25.5	23.7	20.9	13.7	3.6	3.6	2.7
87.5°	32.8	*23.7*	14.6	10.0	4.6	4.6	4.6	2.7	2.7	2.7	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°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	562.6	555.3	547.1	538.9	529.8	520.7	494.3	467.0	452.4	436.9	433.3
5°	500.7	470.6	433.3	395.1	378.7	362.3	354.1	345.0	339.5	333.2	327.7
7.5°	366.8	324.1	324.1	323.2	309.5	295.8	280.4	264.0	254.0	244.0	217.6
10°	262.2	238.5	222.1	205.7	199.4	193.0	173.0	152.0	153.8	154.7	149.3
12.5°	203.0	194.8	164.8	134.7	124.7	114.7	108.3	102.0	92.8	83.7	77.4
15°	173.9	133.8	111.1	88.3	78.3	67.4	58.3	48.2	45.5	41.9	46.4
17.5°	142.9	108.3	86.5	64.6	50.1	35.5	37.3	39.1	42.8	46.4	48.2
20°	122.9	81.9	62.8	43.7	39.1	34.6	36.4	37.3	36.4	34.6	40.1
22.5°	100.1	63.7	48.2	31.9	32.8	33.7	30.9	28.2	33.7	39.1	39.1
25°	85.6	41.9	37.3	32.8	30.0	27.3	30.9	33.7	31.9	30.0	34.6
27.5°	78.3	36.4	31.9	27.3	28.2	29.1	28.2	26.4	29.1	31.9	30.9
30°	74.6	33.7	30.9	27.3	26.4	24.6	25.5	25.5	24.6	23.7	26.4
32.5°	60.1	34.6	30.0	24.6	23.7	21.8	20.9	20.0	20.9	21.8	22.8
35°	48.2	31.9	28.2	23.7	21.8	20.0	19.1	17.3	17.3	17.3	18.2
37.5°	39.1	29.1	25.5	20.9	19.1	17.3	16.4	14.6	14.6	14.6	14.6
40°	34.6	27.3	23.7	19.1	17.3	14.6	13.7	11.8	11.8	10.9	10.9
42.5°	30.0	24.6	20.9	16.4	14.6	12.7	10.9	9.1	9.1	8.2	8.2
45°	28.2	22.8	19.1	15.5	12.7	10.0	9.1	7.3	7.3	6.4	6.4
47.5°	27.3	21.8	18.2	13.7	10.9	8.2	7.3	5.5	5.5	5.5	5.5
50°	25.5	20.0	16.4	11.8	10.0	7.3	6.4	4.6	4.6	4.6	4.6
52.5°	24.6	19.1	14.6	10.0	8.2	5.5	4.6	3.6	3.6	3.6	3.6
55°	23.7	20.0	14.6	9.1	7.3	4.6	3.6	2.7	2.7	2.7	2.7
57.5°	22.8	19.1	13.7	7.3	5.5	3.6	2.7	1.8	1.8	1.8	1.8
60°	20.0	16.4	10.9	5.5	4.6	2.7	1.8	0.9	1.8	1.8	1.8
62.5°	17.3	12.7	9.1	4.6	3.6	1.8	1.8	0.9	1.8	1.8	1.8
65°	12.7	10.0	7.3	3.6	2.7	0.9	0.9	0.9	1.8	1.8	1.8
67.5°	10.0	7.3	5.5	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
70°	7.3	5.5	3.6	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
72.5°	5.5	3.6	2.7	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8
75°	*4.6*	*3.6*	*2.7*	*1.8*	*1.8*	*0.9*	*1.8*	*1.8*	*2.7*	*2.7*	*2.7*
77.5°	4.6	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	2.7	2.7
80°	4.6	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	2.7	2.7
82.5°	4.6	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	2.7	1.8	0.9	2.7	3.6	3.6	2.7	2.7
87.5°	1.8	1.8	2.7	2.7	1.8	0.9	2.7	3.6	3.6	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°	597.1	597.1	597.1	597.1
2.5°	428.7	424.2	418.7	429.7
5°	322.2	318.6	315.0	321.3
7.5°	191.2	192.1	192.1	182.1
10°	142.9	134.7	125.6	125.6
12.5°	71.0	65.5	60.1	59.2
15°	51.0	51.9	52.8	52.8
17.5°	50.1	48.2	45.5	43.7
20°	44.6	46.4	47.3	47.3
22.5°	39.1	38.2	36.4	36.4
25°	39.1	40.1	41.0	41.0
27.5°	30.0	30.0	29.1	29.1
30°	29.1	29.1	29.1	29.1
32.5°	22.8	23.7	23.7	23.7
35°	19.1	19.1	19.1	19.1
37.5°	14.6	14.6	14.6	13.7
40°	10.9	10.9	10.9	10.9
42.5°	8.2	8.2	8.2	8.2
45°	6.4	6.4	6.4	6.4
47.5°	5.5	5.5	4.6	4.6
50°	3.6	3.6	3.6	3.6
52.5°	2.7	2.7	2.7	2.7
55°	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8
60°	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9
72.5°	1.8	1.8	0.9	0.9
75°	*1.8*	*1.8*	*0.9*	*0.9*
77.5°	1.8	1.8	0.9	0.9
80°	1.8	1.8	0.9	0.9
82.5°	1.8	1.8	0.9	0.9
85°	1.8	1.8	1.8	0.9
87.5°	1.8	1.8	1.8	0.9
90°	0.0	0.0	0.0	0.0

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