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: P560870

Luminaire Tested: **SDL-PA1-70-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560870
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-727-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5135.7 lumens
Efficiency:	N/A
Efficacy:	71.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	72.2
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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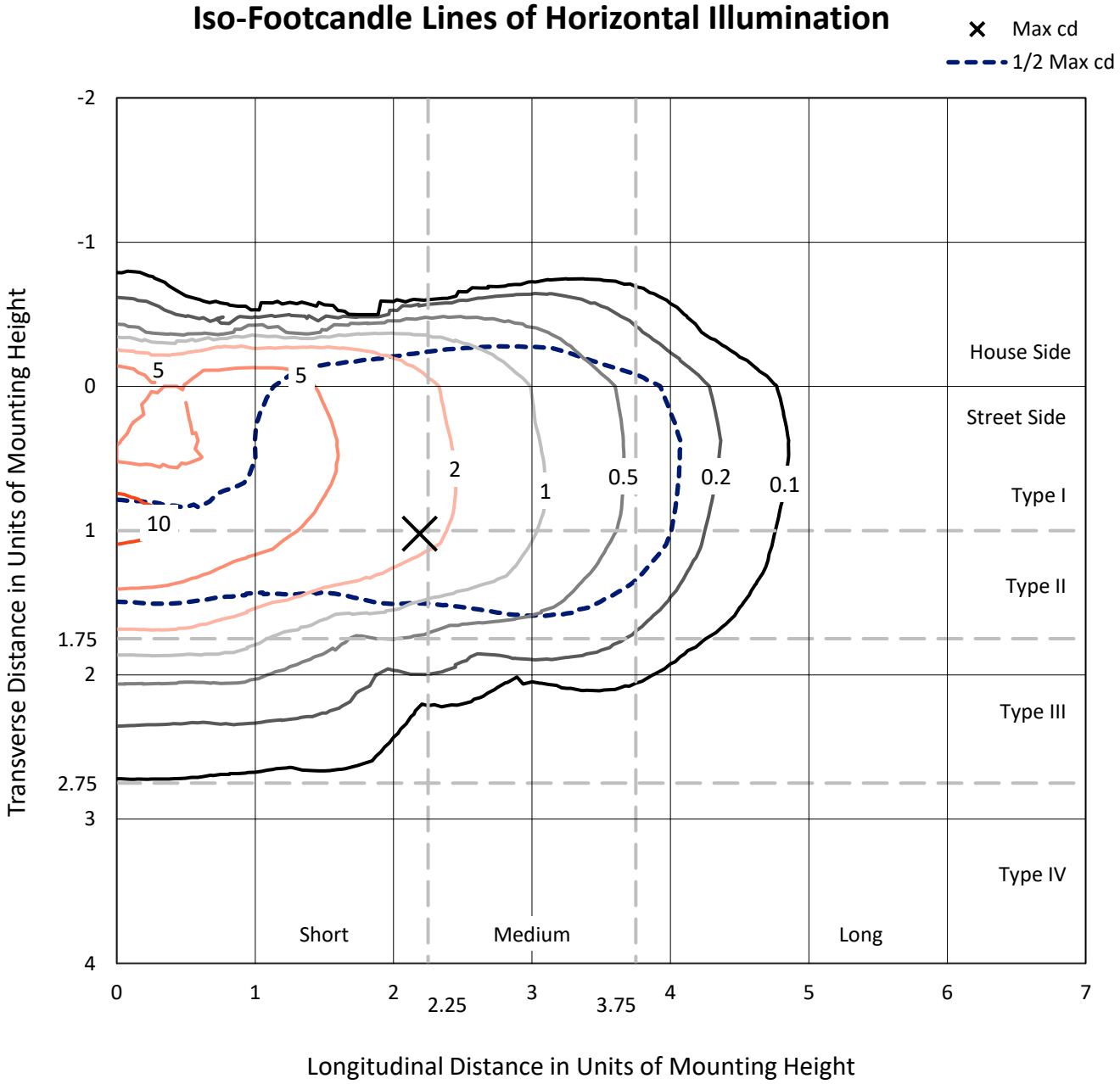
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - N/A

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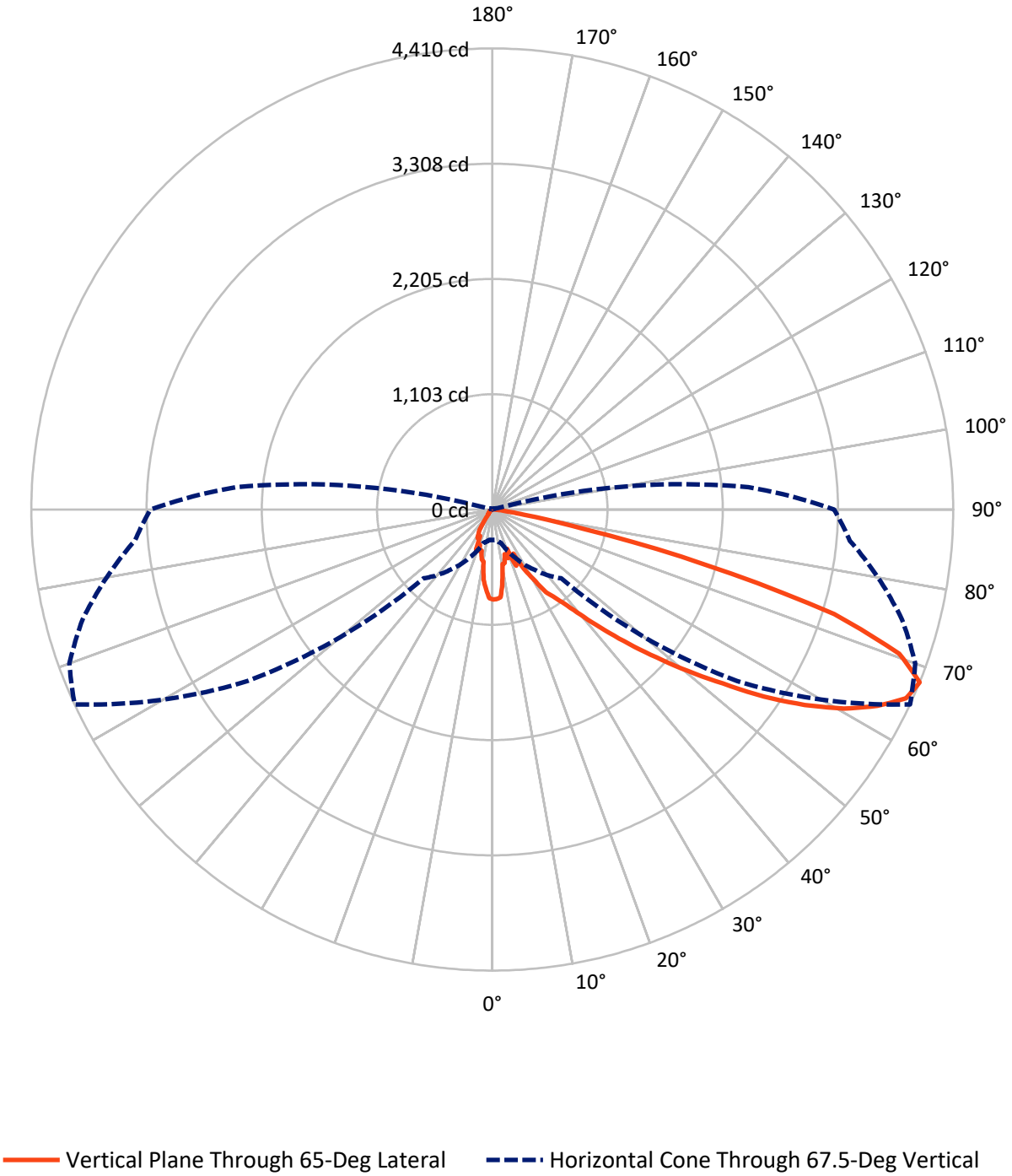
Luminous Intensity Polar Plot



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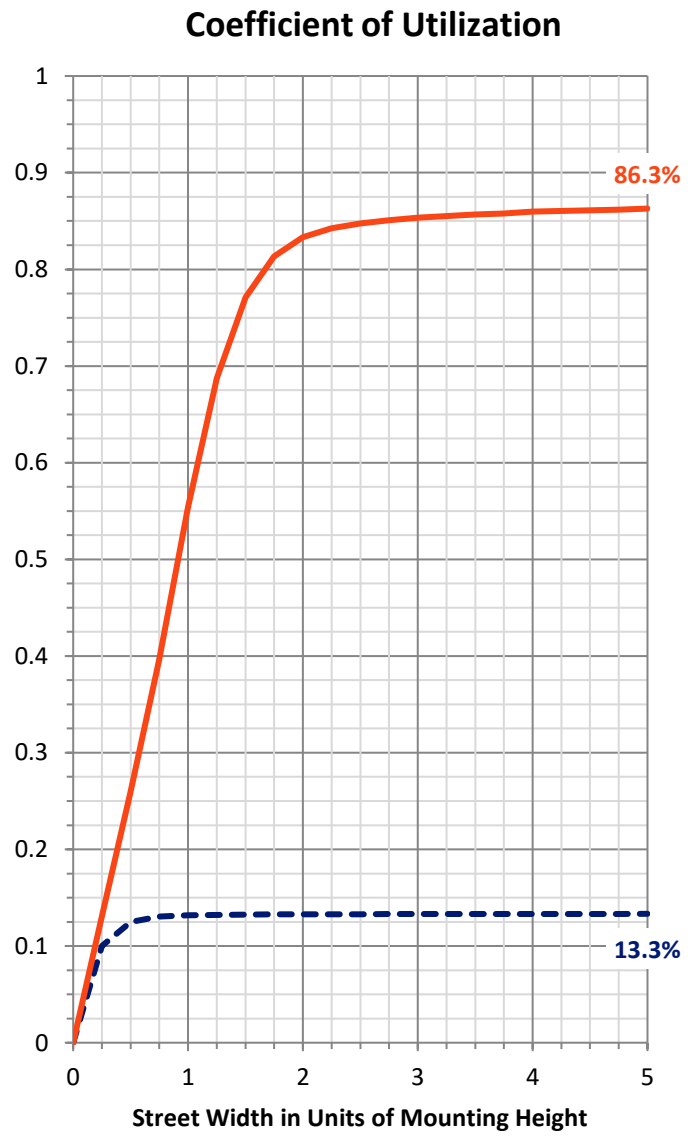
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.4	0.0	694.4
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4441.2	0.0	4441.2
	% Fixture	86.5	0.0	86.5
Total	Lumens	5135.7	0.0	5135.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.3
10°-20°	127.7	2.5
20°-30°	192.8	3.8
30°-40°	444.0	8.6
40°-50°	974.0	19.0
50°-60°	1429.8	27.8
60°-70°	1241.9	24.2
70°-80°	615.8	12.0
80°-90°	43.7	0.9
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°	5135.7	100.0
0°-180°	5135.7	100.0



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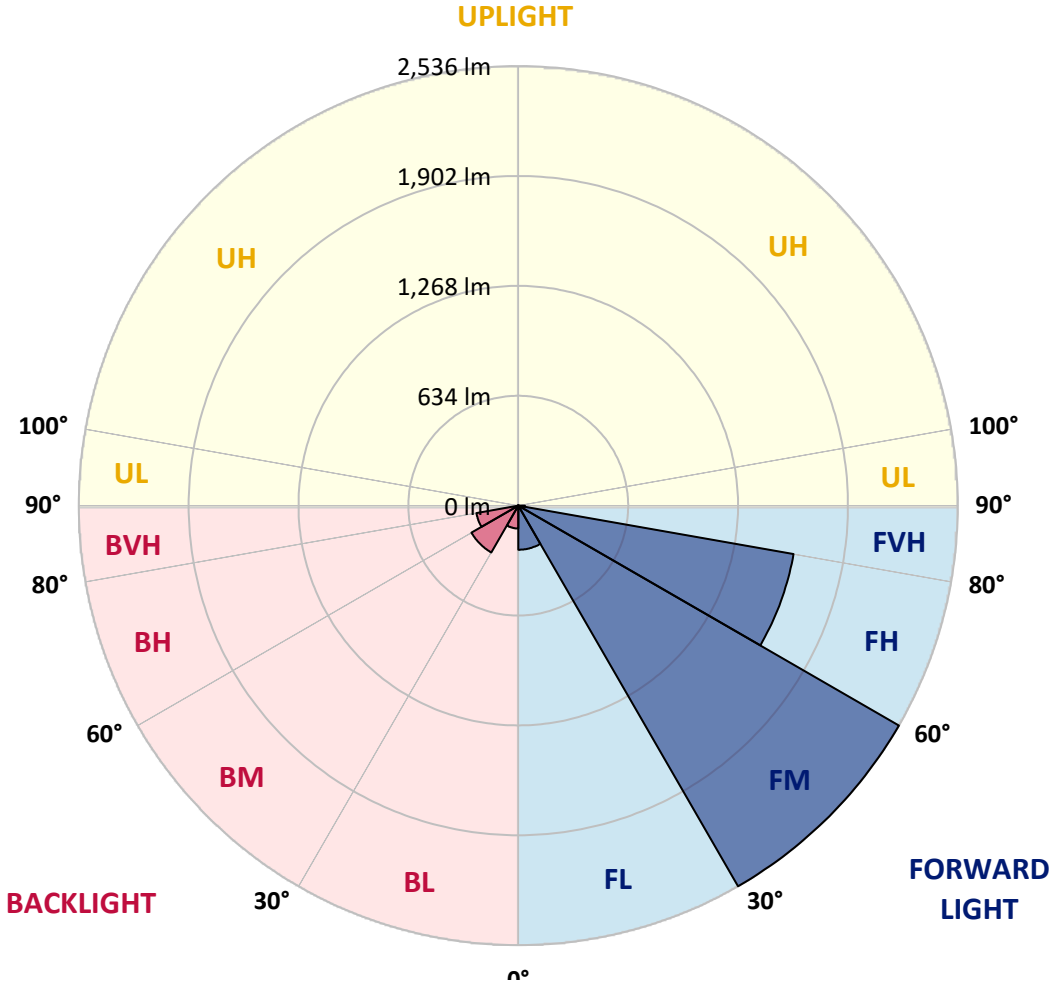
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	254.5	5.0			
FM	(30°-60°)	2535.9	49.4			
FH	(60°-80°)	1612.4	31.4			G1/1800
FVH	(80°-90°)	38.5	0.7			G1/100
BL	(0°-30°)	131.9	2.6	B1/500		
BM	(30°-60°)	311.9	6.1	B1/1000		
BH	(60°-80°)	245.4	4.8	B1/500		G1/500
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8
2.5°	720.0	779.5	797.7	815.8	831.3	846.9	849.5	852.0	857.2	859.8	862.4
5°	704.4	707.0	707.0	704.4	707.0	709.6	709.6	709.6	709.6	709.6	712.2
7.5°	564.6	631.9	652.6	670.8	681.1	688.9	694.1	696.7	699.2	701.8	704.4
10°	681.1	678.5	681.1	681.1	683.7	683.7	624.1	564.6	585.3	603.4	572.3
12.5°	541.3	595.7	619.0	642.3	657.8	670.8	644.9	616.4	562.0	505.0	507.6
15°	652.6	652.6	652.6	652.6	603.4	551.6	518.0	481.7	510.2	536.1	484.3
17.5°	525.7	525.7	572.3	619.0	619.0	616.4	582.7	546.4	473.9	401.4	466.2
20°	650.0	650.0	652.6	655.2	569.8	484.3	512.8	538.7	549.0	559.4	536.1
22.5°	530.9	530.9	538.7	543.9	574.9	606.0	523.1	440.3	507.6	574.9	528.3
25°	686.3	688.9	694.1	696.7	619.0	538.7	574.9	611.2	538.7	466.2	538.7
27.5°	621.6	611.2	611.2	608.6	634.5	657.8	606.0	554.2	600.8	647.5	593.1
30°	872.8	865.0	854.6	844.3	745.9	647.5	650.0	650.0	631.9	613.8	644.9
32.5°	1209.4	1196.5	1108.4	1020.4	947.9	875.4	800.3	725.1	751.0	774.4	758.8
35°	1623.8	1623.8	1540.9	1458.1	1294.9	1131.7	1004.8	875.4	865.0	854.6	870.2
37.5°	2115.9	2064.1	1965.7	1867.3	1665.2	1460.7	1266.4	1072.2	1048.9	1023.0	997.1
40°	2481.0	2473.3	2398.2	2323.1	2074.4	1825.8	1597.9	1367.4	1292.3	1214.6	1157.6
42.5°	2861.7	2833.2	2773.7	2711.5	2460.3	2206.5	1963.1	1717.0	1613.5	1509.9	1408.9
45°	3136.3	3128.5	3076.7	3024.9	2820.3	2613.1	2359.3	2102.9	2035.6	1968.3	1779.2
47.5°	3307.2	3263.2	3242.4	3219.1	3043.0	2866.9	2652.0	2434.4	2424.1	2411.1	2172.8
50°	3255.4	3216.5	3221.7	3226.9	3141.4	3056.0	2892.8	2727.1	2755.6	2784.0	2587.2
52.5°	2980.9	2947.2	2993.8	3037.8	3035.3	3032.7	2973.1	2910.9	3014.5	3115.5	2980.9
55°	2431.8	2455.1	2548.4	2641.6	2703.8	2763.3	2848.8	2931.7	3128.5	3322.7	3296.8
57.5°	1906.1	1957.9	2053.7	2147.0	2248.0	2346.4	2527.7	2708.9	3040.4	3369.3	3483.3
60°	1279.4	1313.0	1481.4	1647.1	1740.4	1833.6	2030.4	2224.6	2675.3	3123.3	3421.1
62.5°	795.1	813.2	909.0	1004.8	1193.9	1383.0	1481.4	1577.2	2064.1	2548.4	3100.0
65°	489.5	484.3	523.1	559.4	745.9	929.7	994.5	1056.6	1380.4	1701.5	2558.7
67.5°	*292.6*	*290.1*	*310.8*	*331.5*	*417.0*	*502.4*	*603.4*	*704.4*	*818.4*	*929.7*	*1895.7*
70°	238.3	243.4	251.2	259.0	282.3	305.6	398.8	492.1	489.5	486.9	1139.5
72.5°	199.4	204.6	220.1	233.1	251.2	266.8	321.1	372.9	349.6	326.3	543.9
75°	147.6	150.2	170.9	189.1	217.5	243.4	256.4	266.8	256.4	246.0	274.5
77.5°	98.4	98.4	116.5	134.7	163.2	191.6	207.2	222.7	204.6	186.5	194.2
80°	62.2	62.2	72.5	80.3	108.8	137.3	155.4	173.5	158.0	139.8	137.3
82.5°	36.3	38.8	44.0	49.2	67.3	85.5	98.4	111.4	129.5	145.0	116.5
85°	15.5	18.1	23.3	25.9	36.3	44.0	51.8	59.6	75.1	90.6	75.1
87.5°	2.6	2.6	5.2	7.8	10.4	12.9	12.9	12.9	12.9	10.4	12.9
90°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	859.8	859.8	*859.8*	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8
2.5°	862.4	859.8	*857.2*	857.2	857.2	854.6	852.0	852.0	852.0	849.5	846.9
5°	712.2	776.9	*841.7*	844.3	849.5	846.9	844.3	841.7	839.1	836.5	831.3
7.5°	704.4	699.2	*694.1*	675.9	738.1	738.1	735.5	735.5	730.3	709.6	688.9
10°	538.7	536.1	*530.9*	538.7	551.6	595.7	637.1	634.5	626.7	577.5	528.3
12.5°	510.2	518.0	*525.7*	499.8	450.6	492.1	533.5	528.3	523.1	479.1	432.5
15°	432.5	437.7	*442.9*	484.3	559.4	598.2	634.5	629.3	624.1	572.3	518.0
17.5°	530.9	510.2	*489.5*	518.0	492.1	510.2	528.3	507.6	492.1	471.3	450.6
20°	510.2	455.8	*401.4*	484.3	580.1	611.2	642.3	634.5	619.0	569.8	518.0
22.5°	479.1	533.5	*585.3*	559.4	512.8	484.3	455.8	442.9	432.5	435.1	437.7
25°	608.6	538.7	*466.2*	590.5	665.6	675.9	683.7	660.4	634.5	580.1	523.1
27.5°	536.1	587.9	*637.1*	686.3	712.2	720.0	725.1	758.8	704.4	631.9	559.4
30°	675.9	720.0	*764.0*	872.8	960.8	976.4	991.9	953.0	909.0	821.0	732.9
32.5°	743.3	844.3	*942.7*	994.5	1030.7	1043.7	1056.6	1004.8	955.6	841.7	725.1
35°	883.1	958.2	*1033.3*	1092.9	1162.8	1165.4	1168.0	1111.0	1048.9	883.1	717.4
37.5°	968.6	1067.0	*1162.8*	1230.2	1338.9	1331.2	1323.4	1256.1	1181.0	947.9	714.8
40°	1098.1	1225.0	*1349.3*	1414.0	1546.1	1522.8	1499.5	1421.8	1338.9	1017.8	696.7
42.5°	1307.9	1442.5	*1577.2*	1631.6	1776.6	1750.7	1722.2	1618.6	1512.4	1074.8	637.1
45°	1587.6	1709.3	*1831.0*	1926.8	2040.8	1999.3	1957.9	1846.5	1691.1	1124.0	556.8
47.5°	1932.0	2022.6	*2113.3*	2302.3	2385.2	2302.3	2216.9	2082.2	1885.4	1165.4	445.4
50°	2390.4	2411.1	*2429.2*	2664.9	2747.8	2620.9	2494.0	2320.5	2084.8	1212.0	336.7
52.5°	2843.6	2804.8	*2763.3*	3017.1	3048.2	2879.9	2708.9	2527.7	2232.4	1237.9	240.9
55°	3270.9	3216.5	*3159.6*	3340.9	3320.1	3097.4	2874.7	2654.6	2323.1	1245.7	168.3
57.5°	3597.2	3563.6	*3527.3*	3610.2	3532.5	3270.9	3009.4	2789.2	2390.4	1258.6	124.3
60°	3716.4	3791.5	*3866.6*	3856.2	3713.8	3436.7	3159.6	2926.5	2431.8	1263.8	93.2
62.5°	3651.6	3895.1	*4135.9*	4037.5	3864.0	3571.3	3276.1	3050.8	2450.0	1261.2	72.5
65°	3416.0	3884.7	*4350.9*	4187.7	3970.2	3677.5	3384.9	3182.9	2470.7	1263.8	57.0
67.5°	*2859.1*	*3636.1*	*4410.4*	*4306.9*	*4058.2*	*3747.5*	*3434.1*	*3270.9*	*2460.3*	*1253.5*	*46.6*
70°	1789.6	2960.2	*4130.7*	4211.0	4058.2	3716.4	3374.5	3245.0	2367.1	1201.7	36.3
72.5°	758.8	2090.0	*3421.1*	3770.8	3876.9	3545.4	3214.0	3053.4	2167.7	1098.1	28.5
75°	300.4	1201.7	*2102.9*	2657.1	2983.5	2843.6	2701.2	2486.2	1421.8	722.6	20.7
77.5°	202.0	549.0	*896.1*	1305.3	1556.5	1610.9	1665.2	1419.2	567.2	292.6	15.5
80°	134.7	220.1	*305.6*	468.8	559.4	528.3	494.7	406.6	173.5	93.2	12.9
82.5°	85.5	114.0	*142.4*	160.6	165.7	119.1	72.5	59.6	20.7	15.5	7.8
85°	57.0	67.3	*77.7*	80.3	80.3	57.0	31.1	15.5	7.8	7.8	5.2
87.5°	15.5	18.1	*18.1*	18.1	12.9	10.4	7.8	5.2	5.2	5.2	5.2
90°	7.8	10.4	*10.4*	10.4	7.8	7.8	5.2	5.2	5.2	5.2	5.2

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8	859.8
2.5°	846.9	846.9	844.3	841.7	841.7	839.1	813.2	784.7	758.8	730.3	727.7
5°	797.7	761.4	727.7	694.1	688.9	681.1	681.1	678.5	678.5	675.9	675.9
7.5°	683.7	678.5	673.4	668.2	665.6	660.4	657.8	652.6	650.0	644.9	616.4
10°	518.0	505.0	505.0	502.4	507.6	512.8	510.2	505.0	538.7	572.3	569.8
12.5°	461.0	486.9	463.6	437.7	445.4	450.6	458.4	466.2	463.6	458.4	419.5
15°	463.6	406.6	388.5	367.8	378.1	385.9	318.5	248.6	235.7	222.7	207.2
17.5°	432.5	414.4	401.4	385.9	295.2	202.0	181.3	160.6	142.4	121.7	119.1
20°	437.7	354.8	331.5	305.6	235.7	165.7	126.9	88.1	77.7	67.3	77.7
22.5°	427.3	414.4	303.0	191.6	142.4	93.2	77.7	59.6	64.7	69.9	69.9
25°	401.4	279.7	217.5	155.4	108.8	59.6	62.2	62.2	57.0	49.2	54.4
27.5°	435.1	308.2	196.8	82.9	72.5	59.6	54.4	46.6	46.6	46.6	44.0
30°	502.4	269.3	168.3	67.3	57.0	46.6	44.0	41.4	38.8	33.7	36.3
32.5°	476.5	227.9	142.4	57.0	49.2	41.4	36.3	31.1	31.1	31.1	31.1
35°	432.5	145.0	98.4	49.2	41.4	33.7	31.1	25.9	25.9	25.9	25.9
37.5°	404.0	93.2	67.3	38.8	33.7	28.5	25.9	20.7	20.7	20.7	23.3
40°	380.7	64.7	49.2	33.7	28.5	20.7	18.1	15.5	18.1	18.1	18.1
42.5°	347.0	54.4	41.4	28.5	23.3	18.1	15.5	12.9	15.5	15.5	15.5
45°	303.0	49.2	36.3	23.3	20.7	15.5	12.9	10.4	12.9	12.9	12.9
47.5°	243.4	41.4	31.1	20.7	18.1	12.9	12.9	10.4	10.4	10.4	10.4
50°	189.1	38.8	28.5	18.1	15.5	10.4	10.4	7.8	10.4	10.4	10.4
52.5°	137.3	33.7	25.9	15.5	12.9	7.8	7.8	7.8	7.8	7.8	7.8
55°	98.4	28.5	20.7	12.9	10.4	7.8	7.8	5.2	7.8	7.8	7.8
57.5°	75.1	25.9	18.1	10.4	7.8	5.2	5.2	5.2	5.2	5.2	5.2
60°	59.6	23.3	18.1	10.4	7.8	5.2	5.2	2.6	5.2	5.2	5.2
62.5°	46.6	18.1	15.5	10.4	7.8	5.2	5.2	2.6	5.2	5.2	5.2
65°	36.3	15.5	12.9	7.8	5.2	2.6	2.6	2.6	5.2	5.2	5.2
67.5°	*31.1*	*12.9*	*10.4*	*7.8*	*5.2*	*2.6*	*5.2*	*5.2*	*5.2*	*5.2*	*5.2*
70°	25.9	12.9	10.4	7.8	5.2	2.6	5.2	5.2	7.8	7.8	5.2
72.5°	20.7	10.4	7.8	5.2	5.2	2.6	5.2	5.2	7.8	7.8	5.2
75°	15.5	7.8	7.8	5.2	5.2	2.6	5.2	7.8	7.8	7.8	5.2
77.5°	12.9	7.8	7.8	5.2	5.2	2.6	5.2	7.8	7.8	7.8	7.8
80°	10.4	5.2	5.2	5.2	2.6	0.0	5.2	10.4	10.4	7.8	7.8
82.5°	7.8	5.2	5.2	5.2	2.6	0.0	5.2	10.4	10.4	7.8	7.8
85°	5.2	5.2	5.2	5.2	5.2	2.6	7.8	10.4	10.4	7.8	7.8
87.5°	5.2	5.2	5.2	5.2	5.2	2.6	5.2	7.8	7.8	7.8	7.8
90°	5.2	5.2	7.8	7.8	5.2	2.6	5.2	7.8	7.8	7.8	7.8

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	859.8	859.8	859.8	859.8
2.5°	722.6	727.7	730.3	725.1
5°	673.4	673.4	670.8	678.5
7.5°	585.3	569.8	551.6	538.7
10°	564.6	551.6	538.7	541.3
12.5°	378.1	339.3	300.4	313.4
15°	191.6	181.3	170.9	170.9
17.5°	114.0	103.6	90.6	93.2
20°	85.5	85.5	85.5	85.5
22.5°	67.3	64.7	59.6	57.0
25°	57.0	57.0	57.0	57.0
27.5°	41.4	41.4	38.8	36.3
30°	36.3	36.3	36.3	33.7
32.5°	28.5	31.1	31.1	31.1
35°	25.9	25.9	25.9	25.9
37.5°	23.3	23.3	20.7	20.7
40°	18.1	18.1	18.1	18.1
42.5°	15.5	15.5	15.5	15.5
45°	12.9	12.9	12.9	12.9
47.5°	10.4	10.4	10.4	10.4
50°	10.4	10.4	7.8	7.8
52.5°	7.8	7.8	5.2	5.2
55°	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	2.6	2.6
60°	5.2	5.2	2.6	2.6
62.5°	2.6	2.6	2.6	2.6
65°	2.6	2.6	0.0	0.0
67.5°	*2.6*	*2.6*	*0.0*	*0.0*
70°	2.6	2.6	0.0	0.0
72.5°	2.6	2.6	0.0	0.0
75°	2.6	2.6	0.0	0.0
77.5°	5.2	2.6	0.0	0.0
80°	5.2	5.2	2.6	0.0
82.5°	5.2	5.2	2.6	0.0
85°	5.2	5.2	2.6	0.0
87.5°	5.2	5.2	2.6	0.0
90°	5.2	5.2	2.6	0.0

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