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: P561112

Luminaire Tested: **SDL-PA1-80-750-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561112
	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-PA1-80-750-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 1050mA 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:	6741.6 lumens
Efficiency:	N/A
Efficacy:	82.2 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 - G2

Input Watts (W):	82
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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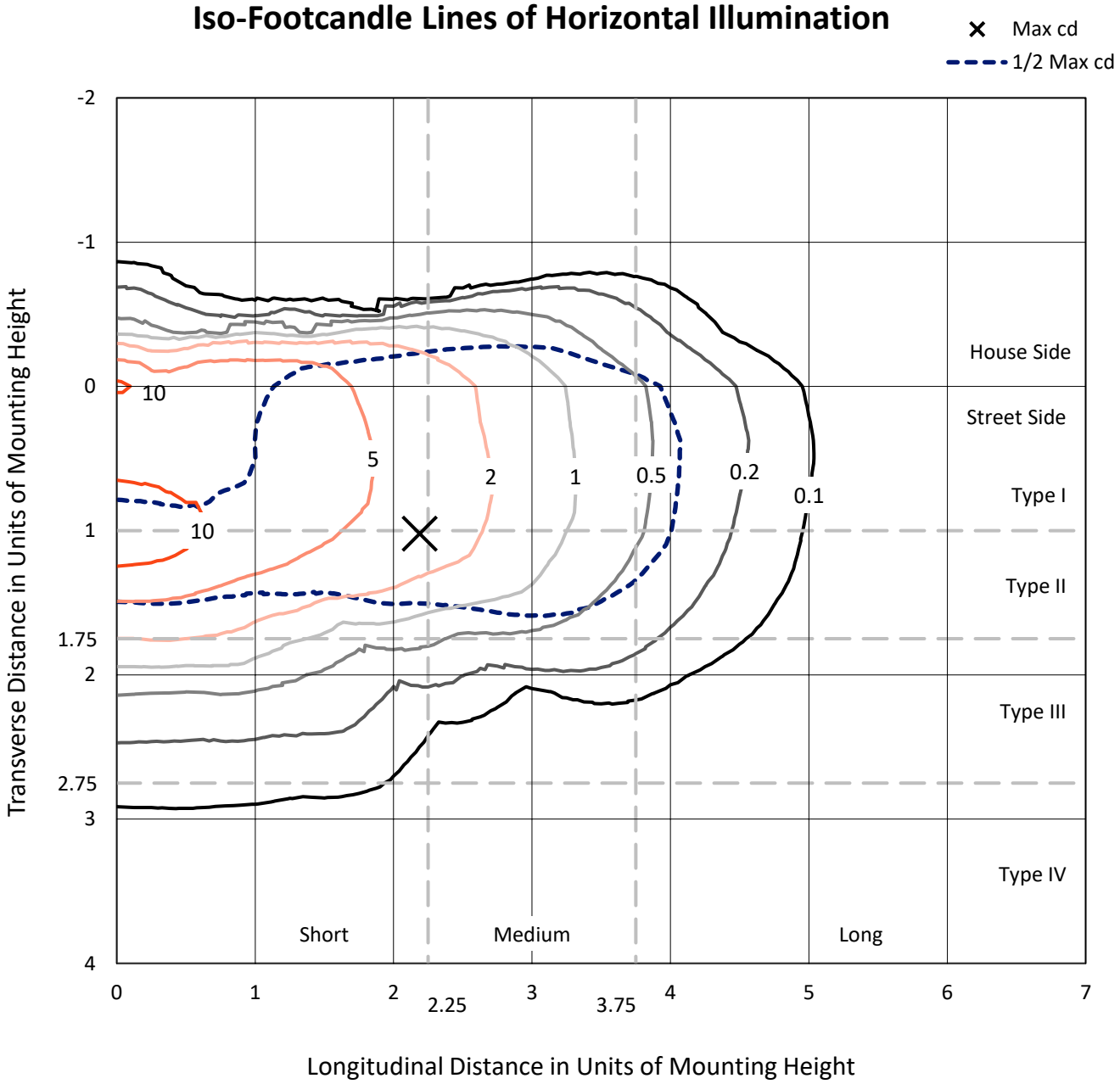
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
Type II - Short - N/A

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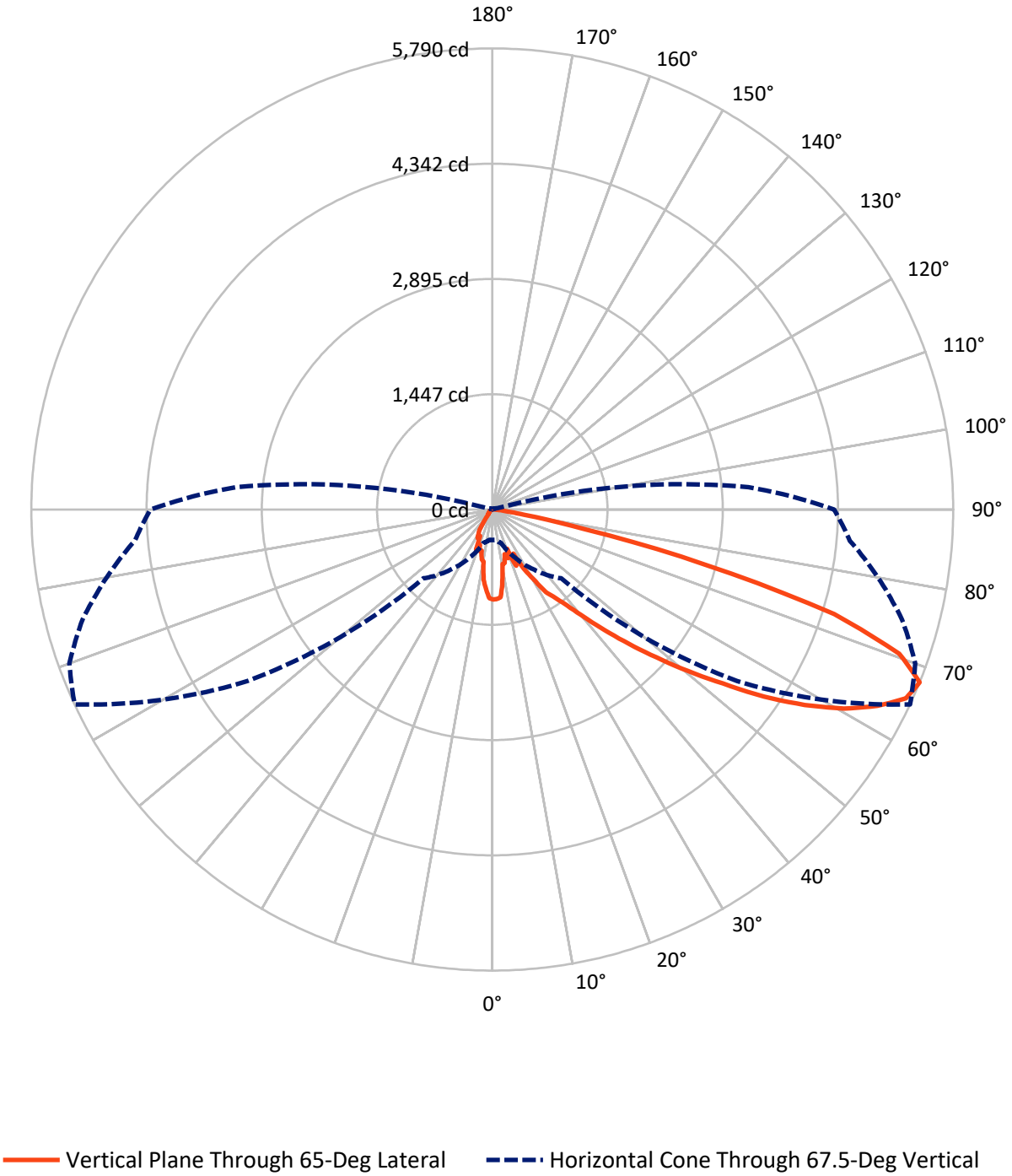
Luminous Intensity Polar Plot



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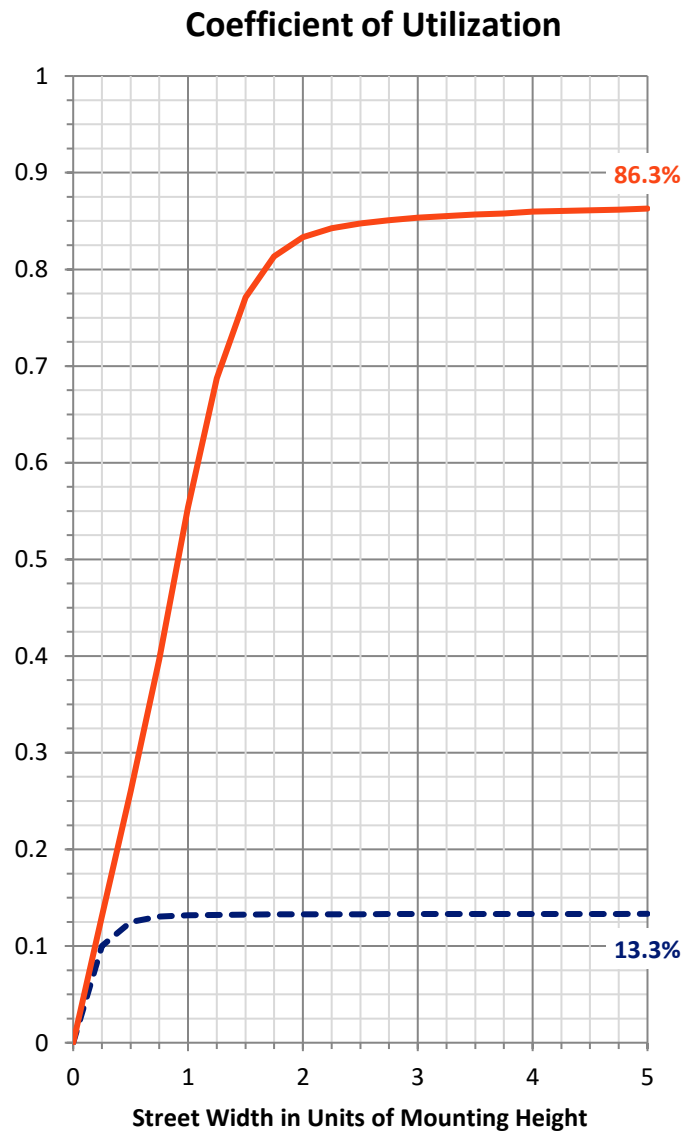
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	911.6	0.0	911.6
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	5830.0	0.0	5830.0
	% Fixture	86.5	0.0	86.5
Total	Lumens	6741.6	0.0	6741.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	1.3
10°-20°	167.6	2.5
20°-30°	253.0	3.8
30°-40°	582.8	8.6
40°-50°	1278.5	19.0
50°-60°	1876.9	27.8
60°-70°	1630.3	24.2
70°-80°	808.3	12.0
80°-90°	57.4	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°	6741.6	100.0
0°-180°	6741.6	100.0



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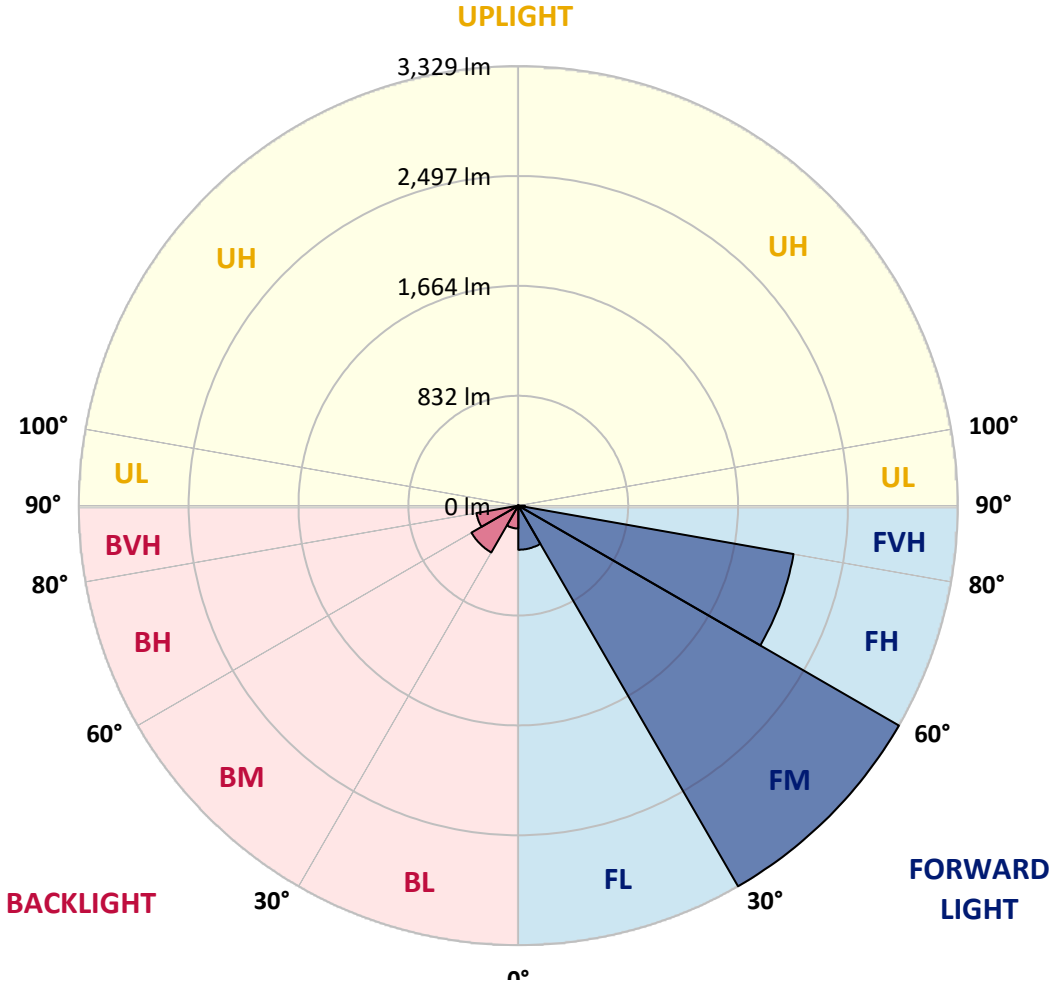
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	334.1	5.0			
FM	(30°-60°)	3328.8	49.4			
FH	(60°-80°)	2116.5	31.4			G2/5000
FVH	(80°-90°)	50.5	0.7			G1/100
BL	(0°-30°)	173.2	2.6	B1/500		
BM	(30°-60°)	409.4	6.1	B1/1000		
BH	(60°-80°)	322.1	4.8	B1/500		G1/500
BVH	(80°-90°)	6.9	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-G2
Type II Short



REPORT NUMBER: P561112
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7
2.5°	945.1	1023.3	1047.1	1070.9	1091.3	1111.7	1115.1	1118.5	1125.3	1128.7	1132.1
5°	924.7	928.1	928.1	924.7	928.1	931.5	931.5	931.5	931.5	931.5	934.9
7.5°	741.1	829.5	856.7	880.5	894.1	904.3	911.1	914.5	917.9	921.3	924.7
10°	894.1	890.7	894.1	894.1	897.5	897.5	819.3	741.1	768.3	792.1	751.3
12.5°	710.5	781.9	812.5	843.1	863.5	880.5	846.5	809.1	737.7	662.9	666.3
15°	856.7	856.7	856.7	856.7	792.1	724.1	679.9	632.3	669.7	703.7	635.7
17.5°	690.1	690.1	751.3	812.5	812.5	809.1	764.9	717.3	622.1	526.9	611.9
20°	853.3	853.3	856.7	860.1	747.9	635.7	673.1	707.1	720.7	734.3	703.7
22.5°	696.9	696.9	707.1	713.9	754.7	795.5	686.7	577.9	666.3	754.7	693.5
25°	900.9	904.3	911.1	914.5	812.5	707.1	754.7	802.3	707.1	611.9	707.1
27.5°	815.9	802.3	802.3	798.9	832.9	863.5	795.5	727.5	788.7	849.9	778.5
30°	1145.7	1135.5	1121.9	1108.3	979.1	849.9	853.3	853.3	829.5	805.7	846.5
32.5°	1587.6	1570.6	1455.0	1339.5	1244.3	1149.1	1050.5	951.9	985.9	1016.5	996.1
35°	2131.6	2131.6	2022.8	1914.0	1699.8	1485.6	1319.1	1149.1	1135.5	1121.9	1142.3
37.5°	2777.5	2709.5	2580.3	2451.1	2186.0	1917.4	1662.4	1407.5	1376.9	1342.9	1308.9
40°	3256.9	3246.7	3148.1	3049.5	2723.1	2396.7	2097.6	1795.0	1696.4	1594.4	1519.6
42.5°	3756.6	3719.2	3641.0	3559.4	3229.7	2896.5	2576.9	2254.0	2118.0	1982.0	1849.4
45°	4117.0	4106.8	4038.8	3970.8	3702.2	3430.2	3097.1	2760.5	2672.1	2583.7	2335.6
47.5°	4341.3	4283.6	4256.4	4225.8	3994.6	3763.4	3481.2	3195.7	3182.1	3165.1	2852.3
50°	4273.4	4222.4	4229.2	4236.0	4123.8	4011.6	3797.4	3579.8	3617.2	3654.6	3396.2
52.5°	3913.0	3868.8	3930.0	3987.8	3984.4	3981.0	3902.8	3821.2	3957.2	4089.8	3913.0
55°	3192.3	3222.9	3345.3	3467.6	3549.2	3627.4	3739.6	3848.4	4106.8	4361.7	4327.7
57.5°	2502.1	2570.1	2695.9	2818.3	2950.9	3080.1	3318.1	3556.0	3991.2	4422.9	4572.5
60°	1679.4	1723.6	1944.6	2162.2	2284.6	2406.9	2665.3	2920.3	3511.8	4100.0	4490.9
62.5°	1043.7	1067.5	1193.3	1319.1	1567.2	1815.4	1944.6	2070.4	2709.5	3345.3	4069.4
65°	642.5	635.7	686.7	734.3	979.1	1220.5	1305.5	1387.1	1812.0	2233.6	3358.8
67.5°	*384.2*	*380.8*	*408.0*	*435.2*	*547.3*	*659.5*	*792.1*	*924.7*	*1074.3*	*1220.5*	*2488.5*
70°	312.8	319.6	329.8	340.0	370.6	401.2	523.5	645.9	642.5	639.1	1495.8
72.5°	261.8	268.6	289.0	306.0	329.8	350.2	421.6	489.5	459.0	428.4	713.9
75°	193.8	197.2	224.4	248.2	285.6	319.6	336.6	350.2	336.6	323.0	360.4
77.5°	129.2	129.2	153.0	176.8	214.2	251.6	272.0	292.4	268.6	244.8	255.0
80°	81.6	81.6	95.2	105.4	142.8	180.2	204.0	227.8	207.4	183.6	180.2
82.5°	47.6	51.0	57.8	64.6	88.4	112.2	129.2	146.2	170.0	190.4	153.0
85°	20.4	23.8	30.6	34.0	47.6	57.8	68.0	78.2	98.6	119.0	98.6
87.5°	3.4	3.4	6.8	10.2	13.6	17.0	17.0	17.0	17.0	13.6	17.0
90°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1128.7	1128.7	*1128.7*	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7
2.5°	1132.1	1128.7	*1125.3*	1125.3	1125.3	1121.9	1118.5	1118.5	1118.5	1115.1	1111.7
5°	934.9	1019.9	*1104.9*	1108.3	1115.1	1111.7	1108.3	1104.9	1101.5	1098.1	1091.3
7.5°	924.7	917.9	*911.1*	887.3	968.9	968.9	965.5	965.5	958.7	931.5	904.3
10°	707.1	703.7	*696.9*	707.1	724.1	781.9	836.3	832.9	822.7	758.1	693.5
12.5°	669.7	679.9	*690.1*	656.1	591.5	645.9	700.3	693.5	686.7	628.9	567.7
15°	567.7	574.5	*581.3*	635.7	734.3	785.3	832.9	826.1	819.3	751.3	679.9
17.5°	696.9	669.7	*642.5*	679.9	645.9	669.7	693.5	666.3	645.9	618.7	591.5
20°	669.7	598.3	*526.9*	635.7	761.5	802.3	843.1	832.9	812.5	747.9	679.9
22.5°	628.9	700.3	*768.3*	734.3	673.1	635.7	598.3	581.3	567.7	571.1	574.5
25°	798.9	707.1	*611.9*	775.1	873.7	887.3	897.5	866.9	832.9	761.5	686.7
27.5°	703.7	771.7	*836.3*	900.9	934.9	945.1	951.9	996.1	924.7	829.5	734.3
30°	887.3	945.1	*1002.9*	1145.7	1261.3	1281.7	1302.1	1251.1	1193.3	1077.7	962.1
32.5°	975.7	1108.3	*1237.5*	1305.5	1353.1	1370.1	1387.1	1319.1	1254.5	1104.9	951.9
35°	1159.3	1257.9	*1356.5*	1434.7	1526.4	1529.8	1533.2	1458.4	1376.9	1159.3	941.7
37.5°	1271.5	1400.7	*1526.4*	1614.8	1757.6	1747.4	1737.2	1648.8	1550.2	1244.3	938.3
40°	1441.4	1608.0	*1771.2*	1856.2	2029.6	1999.0	1968.4	1866.4	1757.6	1336.1	914.5
42.5°	1716.8	1893.6	*2070.4*	2141.8	2332.2	2298.2	2260.8	2124.8	1985.4	1410.9	836.3
45°	2084.0	2243.8	*2403.5*	2529.3	2678.9	2624.5	2570.1	2423.9	2220.0	1475.4	730.9
47.5°	2536.1	2655.1	*2774.1*	3022.3	3131.1	3022.3	2910.1	2733.3	2474.9	1529.8	584.7
50°	3137.9	3165.1	*3188.9*	3498.2	3607.0	3440.4	3273.9	3046.1	2736.7	1591.0	442.0
52.5°	3732.8	3681.8	*3627.4*	3960.6	4001.4	3780.4	3556.0	3318.1	2930.5	1625.0	316.2
55°	4293.8	4222.4	*4147.6*	4385.5	4358.3	4066.0	3773.6	3484.6	3049.5	1635.2	221.0
57.5°	4722.1	4677.9	*4630.3*	4739.1	4637.1	4293.8	3950.4	3661.4	3137.9	1652.2	163.2
60°	4878.5	4977.1	*5075.7*	5062.1	4875.1	4511.3	4147.6	3841.6	3192.3	1659.0	122.4
62.5°	4793.5	5113.1	*5429.2*	5300.0	5072.3	4688.1	4300.6	4004.8	3216.1	1655.6	95.2
65°	4484.1	5099.5	*5711.4*	5497.2	5211.7	4827.5	4443.3	4178.2	3243.3	1659.0	74.8
67.5°	*3753.2*	*4773.1*	*5789.6*	*5653.6*	*5327.2*	*4919.3*	*4507.9*	*4293.8*	*3229.7*	*1645.4*	*61.2*
70°	2349.2	3885.8	*5422.4*	5527.8	5327.2	4878.5	4429.7	4259.8	3107.3	1577.4	47.6
72.5°	996.1	2743.5	*4490.9*	4949.9	5089.3	4654.1	4219.0	4008.2	2845.5	1441.4	37.4
75°	394.4	1577.4	*2760.5*	3488.0	3916.4	3732.8	3545.8	3263.7	1866.4	948.5	27.2
77.5°	265.2	720.7	*1176.3*	1713.4	2043.2	2114.6	2186.0	1863.0	744.5	384.2	20.4
80°	176.8	289.0	*401.2*	615.3	734.3	693.5	649.3	533.7	227.8	122.4	17.0
82.5°	112.2	149.6	*187.0*	210.8	217.6	156.4	95.2	78.2	27.2	20.4	10.2
85°	74.8	88.4	*102.0*	105.4	105.4	74.8	40.8	20.4	10.2	10.2	6.8
87.5°	20.4	23.8	*23.8*	23.8	17.0	13.6	10.2	6.8	6.8	6.8	6.8
90°	10.2	13.6	*13.6*	13.6	10.2	10.2	6.8	6.8	6.8	6.8	6.8

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7	1128.7
2.5°	1111.7	1111.7	1108.3	1104.9	1104.9	1101.5	1067.5	1030.1	996.1	958.7	955.3
5°	1047.1	999.5	955.3	911.1	904.3	894.1	894.1	890.7	890.7	887.3	887.3
7.5°	897.5	890.7	883.9	877.1	873.7	866.9	863.5	856.7	853.3	846.5	809.1
10°	679.9	662.9	662.9	659.5	666.3	673.1	669.7	662.9	707.1	751.3	747.9
12.5°	605.1	639.1	608.5	574.5	584.7	591.5	601.7	611.9	608.5	601.7	550.7
15°	608.5	533.7	509.9	482.7	496.3	506.5	418.2	326.4	309.4	292.4	272.0
17.5°	567.7	543.9	526.9	506.5	387.6	265.2	238.0	210.8	187.0	159.8	156.4
20°	574.5	465.8	435.2	401.2	309.4	217.6	166.6	115.6	102.0	88.4	102.0
22.5°	560.9	543.9	397.8	251.6	187.0	122.4	102.0	78.2	85.0	91.8	91.8
25°	526.9	367.2	285.6	204.0	142.8	78.2	81.6	81.6	74.8	64.6	71.4
27.5°	571.1	404.6	258.4	108.8	95.2	78.2	71.4	61.2	61.2	61.2	57.8
30°	659.5	353.6	221.0	88.4	74.8	61.2	57.8	54.4	51.0	44.2	47.6
32.5°	625.5	299.2	187.0	74.8	64.6	54.4	47.6	40.8	40.8	40.8	40.8
35°	567.7	190.4	129.2	64.6	54.4	44.2	40.8	34.0	34.0	34.0	34.0
37.5°	530.3	122.4	88.4	51.0	44.2	37.4	34.0	27.2	27.2	27.2	30.6
40°	499.7	85.0	64.6	44.2	37.4	27.2	23.8	20.4	23.8	23.8	23.8
42.5°	455.6	71.4	54.4	37.4	30.6	23.8	20.4	17.0	20.4	20.4	20.4
45°	397.8	64.6	47.6	30.6	27.2	20.4	17.0	13.6	17.0	17.0	17.0
47.5°	319.6	54.4	40.8	27.2	23.8	17.0	17.0	13.6	13.6	13.6	13.6
50°	248.2	51.0	37.4	23.8	20.4	13.6	13.6	10.2	13.6	13.6	13.6
52.5°	180.2	44.2	34.0	20.4	17.0	10.2	10.2	10.2	10.2	10.2	10.2
55°	129.2	37.4	27.2	17.0	13.6	10.2	10.2	6.8	10.2	10.2	10.2
57.5°	98.6	34.0	23.8	13.6	10.2	6.8	6.8	6.8	6.8	6.8	6.8
60°	78.2	30.6	23.8	13.6	10.2	6.8	6.8	3.4	6.8	6.8	6.8
62.5°	61.2	23.8	20.4	13.6	10.2	6.8	6.8	3.4	6.8	6.8	6.8
65°	47.6	20.4	17.0	10.2	6.8	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	*40.8*	*17.0*	*13.6*	*10.2*	*6.8*	*3.4*	*6.8*	*6.8*	*6.8*	*6.8*	*6.8*
70°	34.0	17.0	13.6	10.2	6.8	3.4	6.8	6.8	10.2	10.2	6.8
72.5°	27.2	13.6	10.2	6.8	6.8	3.4	6.8	6.8	10.2	10.2	6.8
75°	20.4	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	6.8
77.5°	17.0	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
80°	13.6	6.8	6.8	6.8	3.4	0.0	6.8	13.6	13.6	10.2	10.2
82.5°	10.2	6.8	6.8	6.8	3.4	0.0	6.8	13.6	13.6	10.2	10.2
85°	6.8	6.8	6.8	6.8	6.8	3.4	10.2	13.6	13.6	10.2	10.2
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
90°	6.8	6.8	10.2	10.2	6.8	3.4	6.8	10.2	10.2	10.2	10.2

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1128.7	1128.7	1128.7	1128.7
2.5°	948.5	955.3	958.7	951.9
5°	883.9	883.9	880.5	890.7
7.5°	768.3	747.9	724.1	707.1
10°	741.1	724.1	707.1	710.5
12.5°	496.3	445.4	394.4	411.4
15°	251.6	238.0	224.4	224.4
17.5°	149.6	136.0	119.0	122.4
20°	112.2	112.2	112.2	112.2
22.5°	88.4	85.0	78.2	74.8
25°	74.8	74.8	74.8	74.8
27.5°	54.4	54.4	51.0	47.6
30°	47.6	47.6	47.6	44.2
32.5°	37.4	40.8	40.8	40.8
35°	34.0	34.0	34.0	34.0
37.5°	30.6	30.6	27.2	27.2
40°	23.8	23.8	23.8	23.8
42.5°	20.4	20.4	20.4	20.4
45°	17.0	17.0	17.0	17.0
47.5°	13.6	13.6	13.6	13.6
50°	13.6	13.6	10.2	10.2
52.5°	10.2	10.2	6.8	6.8
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	3.4	3.4
60°	6.8	6.8	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	0.0	0.0
67.5°	*3.4*	*3.4*	*0.0*	*0.0*
70°	3.4	3.4	0.0	0.0
72.5°	3.4	3.4	0.0	0.0
75°	3.4	3.4	0.0	0.0
77.5°	6.8	3.4	0.0	0.0
80°	6.8	6.8	3.4	0.0
82.5°	6.8	6.8	3.4	0.0
85°	6.8	6.8	3.4	0.0
87.5°	6.8	6.8	3.4	0.0
90°	6.8	6.8	3.4	0.0

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