

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: SHAPER

Report Number: P368753

Luminaire Tested: **674-WP-43-L4/835**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-721-13)
Test Lab: INNOVATIONS CENTER
Issue Date: 11/13/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 674-WP-43-L4/835
Description: 43" 674 SERIES LUMINOUS WALL SCONCE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2444.7 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.71' x L: 0.21' x H: 3.58')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B0 - U4 - G3

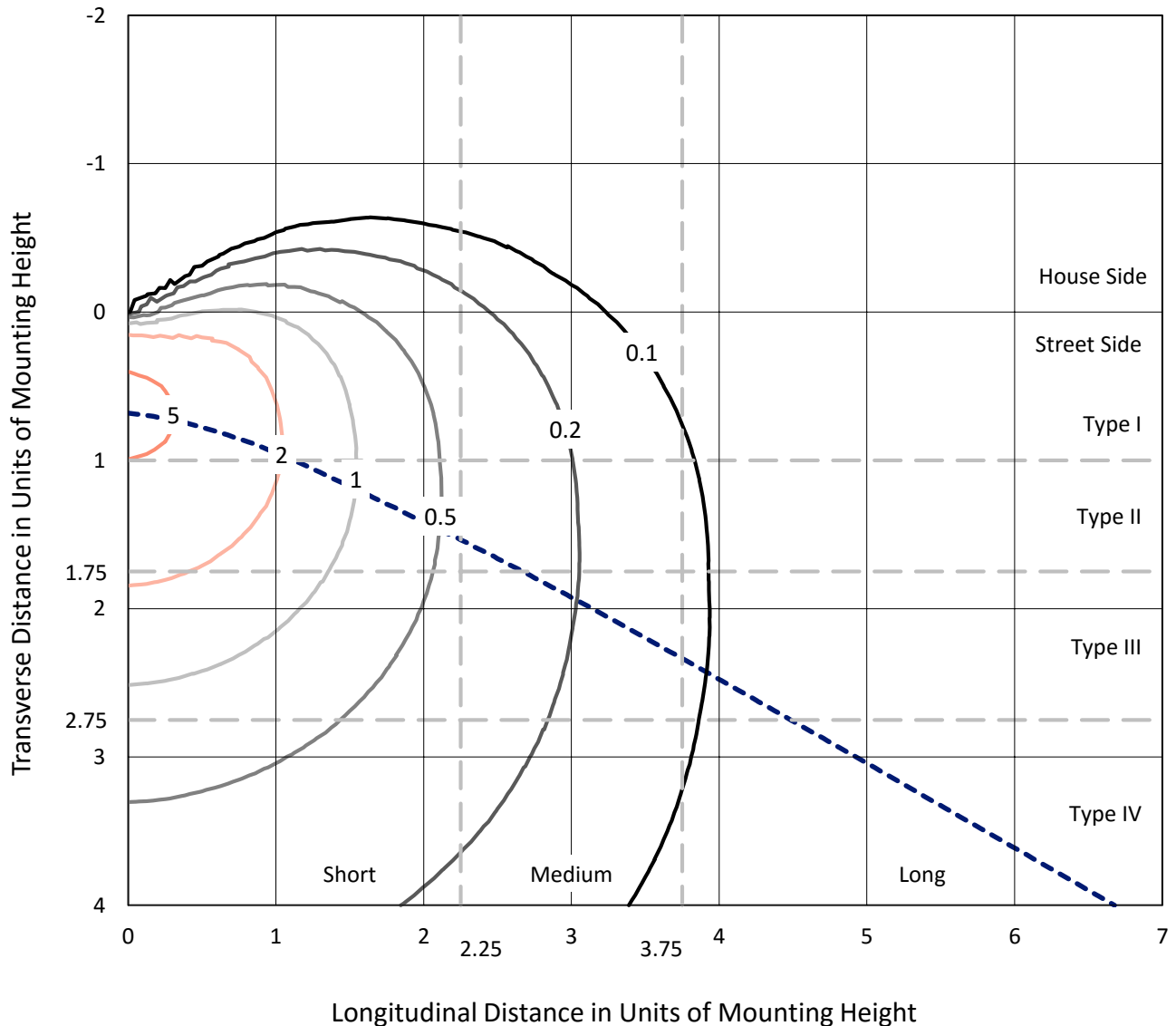
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

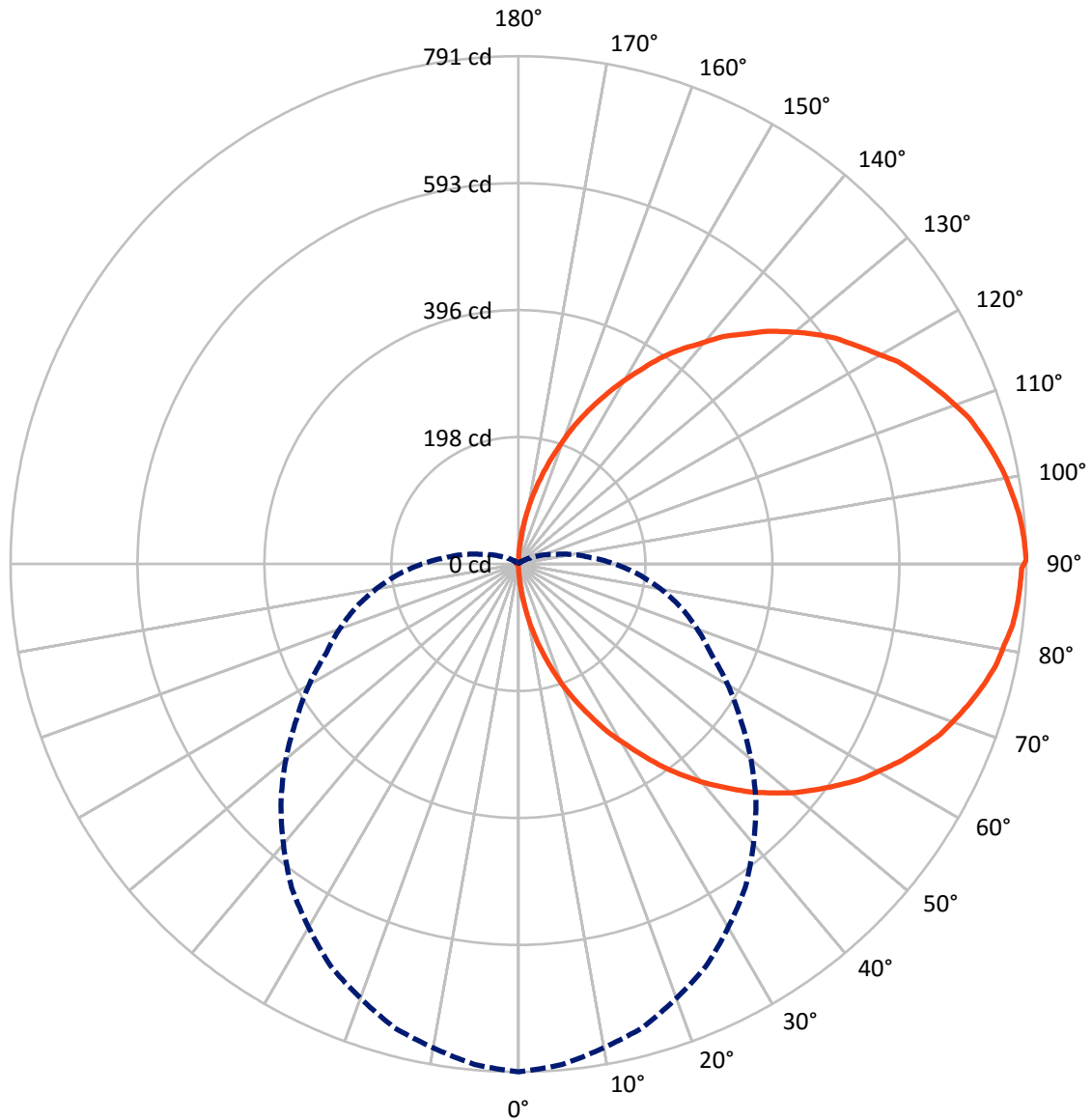


Based on 6 foot mounting height. Maximum calculated value = 5.9 fc
 Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical

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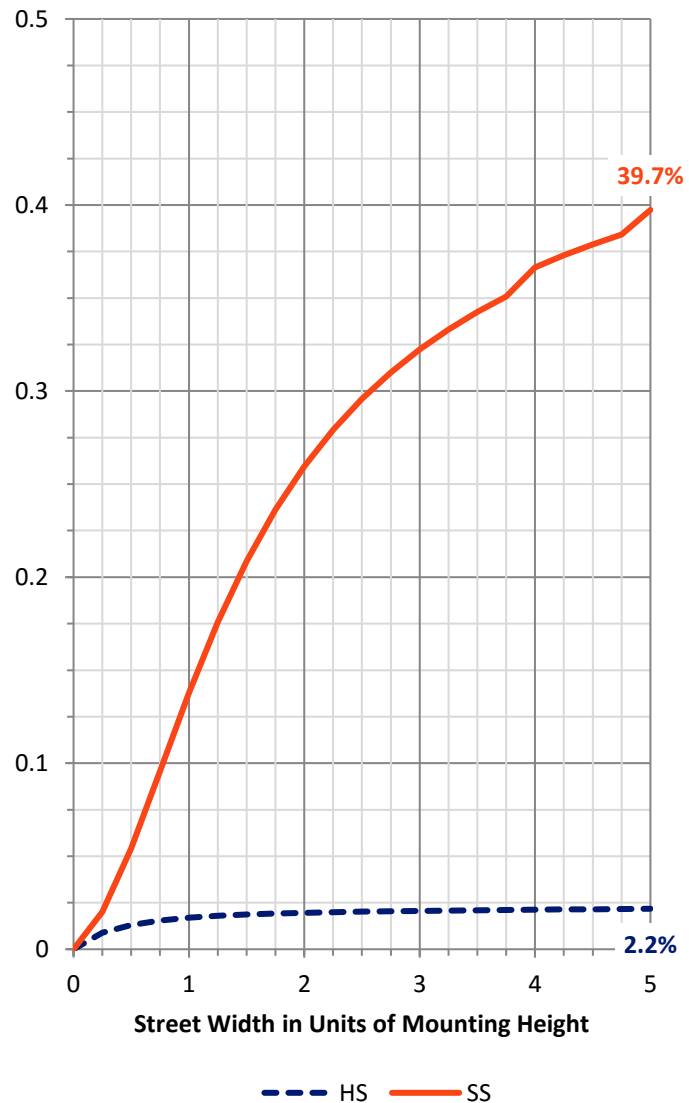
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.2	55.4	111.6
	% Fixture	2.3	2.3	4.6
Street Side	Lumens	1168.0	1165.0	2333.1
	% Fixture	47.8	47.7	95.4
Total	Lumens	1224.3	1220.4	2444.7
	% Fixture	50.1	49.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	14.1	0.6
20°-30°	40.5	1.7
30°-40°	80.1	3.3
40°-50°	129.1	5.3
50°-60°	180.5	7.4
60°-70°	227.9	9.3
70°-80°	264.8	10.8
80°-90°	285.3	11.7
90°-100°	286.5	11.7
100°-110°	264.6	10.8
110°-120°	227.0	9.3
120°-130°	179.3	7.3
130°-140°	128.1	5.2
140°-150°	79.6	3.3
150°-160°	40.1	1.6
160°-170°	13.7	0.6
170°-180°	1.6	0.1
0°-90°	1224.3	50.1
0°-180°	2444.7	100.0



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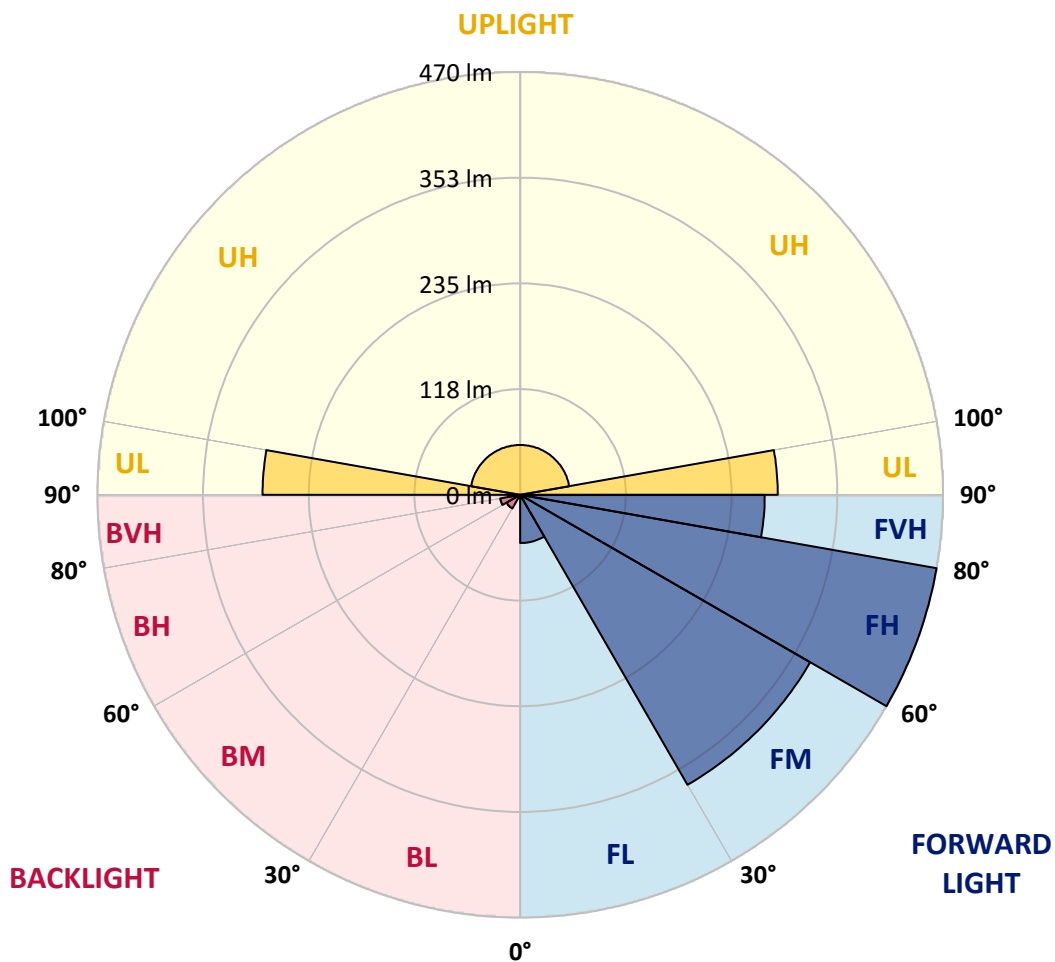
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.6	2.2			
FM (30°-60°)	372.3	15.2			
FH (60°-80°)	470.2	19.2			G0/660
FVH (80°-90°)	272.0	11.1			G3/500
BL (0°-30°)	2.8	0.1	B0/110		
BM (30°-60°)	17.5	0.7	B0/220		
BH (60°-80°)	22.6	0.9	B0/110		G0/110
BVH (80°-90°)	13.4	0.5			G1/100
UL (90°-100°)	286.5	11.7		U3/500	
UH (100°-180°)	55.4	2.3		U3/500	

BUG Rating: B0-U4-G3

Type Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	15.4	12.6	12.6	12.6	9.8	9.8	8.4	7.0	5.6	4.2	4.2
5°	37.9	36.5	35.1	33.7	28.1	23.9	19.6	15.4	12.6	8.4	7.0
7.5°	61.7	60.3	57.5	54.7	46.3	39.3	32.3	25.3	21.0	14.0	11.2
10°	88.4	85.6	82.8	75.8	65.9	56.1	44.9	35.1	28.1	19.6	16.8
12.5°	116.4	113.6	109.4	101.0	87.0	74.4	58.9	46.3	36.5	26.7	21.0
15°	144.5	143.1	136.1	124.9	109.4	92.6	73.0	57.5	44.9	32.3	26.7
17.5°	175.4	171.2	164.1	150.1	131.9	110.8	88.4	68.7	54.7	39.3	30.9
20°	204.8	200.6	192.2	175.4	154.3	129.1	102.4	81.4	63.1	44.9	36.5
22.5°	234.3	230.1	220.3	200.6	176.8	148.7	117.9	92.6	73.0	51.9	42.1
25°	263.8	261.0	248.3	225.9	199.2	167.0	133.3	105.2	82.8	58.9	47.7
27.5°	296.0	290.4	276.4	252.5	223.1	188.0	150.1	117.9	92.6	65.9	53.3
30°	324.1	322.7	307.3	279.2	246.9	207.6	164.1	130.5	102.4	73.0	57.5
32.5°	355.0	352.2	333.9	305.9	269.4	227.3	179.6	143.1	112.2	80.0	63.1
35°	388.6	384.4	366.2	332.5	293.2	246.9	196.4	155.7	122.1	87.0	70.1
37.5°	418.1	415.3	395.6	359.2	317.1	266.6	211.9	168.4	131.9	94.0	75.8
40°	449.0	444.7	422.3	387.2	339.5	286.2	228.7	181.0	141.7	101.0	81.4
42.5°	477.0	472.8	450.4	412.5	363.4	304.4	244.1	192.2	151.5	108.0	87.0
45°	506.5	500.9	478.4	437.7	387.2	324.1	259.6	204.8	161.3	115.0	92.6
47.5°	533.1	527.5	503.7	461.6	408.3	342.3	273.6	216.1	171.2	122.1	96.8
50°	559.8	554.2	527.5	484.0	429.3	362.0	287.6	228.7	179.6	129.1	102.4
52.5°	583.6	578.0	550.0	505.1	449.0	378.8	300.2	238.5	188.0	134.7	106.6
55°	607.5	601.9	573.8	526.1	468.6	395.6	314.3	249.7	196.4	140.3	112.2
57.5°	631.3	624.3	593.5	547.2	485.4	411.1	326.9	259.6	203.4	145.9	116.4
60°	651.0	645.4	614.5	565.4	502.3	425.1	338.1	268.0	211.9	151.5	120.7
62.5°	672.0	665.0	634.2	583.6	517.7	440.5	349.3	276.4	218.9	157.1	124.9
65°	690.3	683.3	651.0	599.1	533.1	451.8	362.0	286.2	225.9	161.3	129.1
67.5°	708.5	700.1	667.8	615.9	547.2	464.4	371.8	293.2	231.5	165.6	131.9
70°	722.5	715.5	681.9	629.9	559.8	475.6	383.0	300.2	237.1	169.8	136.1
72.5°	736.6	729.6	694.5	642.6	571.0	485.4	391.4	307.3	242.7	174.0	138.9
75°	749.2	742.2	707.1	653.8	582.2	493.9	398.4	312.9	246.9	176.8	141.7
77.5°	760.4	752.0	718.3	663.6	589.3	502.3	404.1	317.1	251.1	179.6	144.5
80°	767.4	760.4	725.3	670.6	596.3	506.5	408.3	321.3	253.9	182.4	145.9
82.5°	775.9	767.4	732.4	676.2	603.3	512.1	412.5	324.1	256.7	183.8	147.3
85°	780.1	771.6	736.6	681.9	607.5	516.3	416.7	326.9	258.2	185.2	148.7
87.5°	782.9	774.5	740.8	684.7	610.3	519.1	418.1	328.3	259.6	186.6	148.7
89°	784.3	775.9	740.8	684.7	610.3	519.1	418.1	328.3	259.6	186.6	150.1
90°	791.3	782.9	747.8	691.7	615.9	523.3	422.3	331.1	262.4	188.0	150.1
92.5°	788.5	781.5	745.0	690.3	614.5	521.9	420.9	329.7	261.0	186.6	150.1
95°	784.3	777.3	740.8	686.1	610.3	519.1	418.1	326.9	259.6	185.2	148.7
97.5°	777.3	770.2	735.2	679.0	604.7	513.5	413.9	324.1	256.7	183.8	147.3
100°	770.2	763.2	728.2	673.4	599.1	509.3	409.7	321.3	253.9	182.4	145.9
102.5°	760.4	754.8	719.7	665.0	590.7	502.3	404.1	317.1	249.7	179.6	143.1
105°	749.2	742.2	707.1	653.8	580.8	493.9	397.0	311.5	246.9	176.8	140.3
107.5°	738.0	729.6	694.5	641.2	571.0	484.0	390.0	305.9	241.3	172.6	137.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	721.1	715.5	680.4	628.5	558.4	474.2	381.6	298.8	235.7	168.4	134.7
112.5°	704.3	698.7	666.4	614.5	545.8	463.0	373.2	291.8	230.1	164.1	131.9
115°	687.5	681.9	649.6	599.1	531.7	450.4	360.6	283.4	223.1	159.9	127.7
117.5°	670.6	663.6	631.3	582.2	516.3	437.7	347.9	275.0	217.5	155.7	123.5
120°	646.8	642.6	611.7	564.0	499.5	423.7	336.7	265.2	209.0	150.1	119.3
122.5°	625.7	621.5	590.7	544.4	482.6	408.3	325.5	256.7	202.0	144.5	115.0
125°	606.1	599.1	569.6	524.7	464.4	392.8	312.9	245.5	195.0	138.9	110.8
127.5°	582.2	575.2	547.2	503.7	446.2	377.4	298.8	235.7	186.6	131.9	106.6
130°	557.0	551.4	523.3	481.2	425.1	356.4	286.2	224.5	178.2	126.3	101.0
132.5°	531.7	526.1	499.5	458.8	405.5	339.5	272.2	213.3	168.4	120.7	95.4
135°	502.3	499.5	474.2	434.9	384.4	321.3	256.7	202.0	159.9	113.6	91.2
137.5°	477.0	471.4	447.6	411.1	359.2	303.0	242.7	190.8	150.1	106.6	85.6
140°	444.7	443.3	419.5	385.8	336.7	283.4	227.3	178.2	140.3	99.6	80.0
142.5°	418.1	413.9	392.8	356.4	314.3	263.8	211.9	167.0	130.5	92.6	74.4
145°	388.6	384.4	362.0	329.7	291.8	245.5	195.0	154.3	120.7	85.6	68.7
147.5°	355.0	350.7	333.9	304.4	268.0	225.9	179.6	141.7	110.8	78.6	63.1
150°	324.1	321.3	303.0	277.8	245.5	206.2	164.1	129.1	101.0	71.6	57.5
152.5°	293.2	290.4	276.4	251.1	221.7	185.2	148.7	116.4	91.2	64.5	51.9
155°	262.4	259.6	246.9	224.5	197.8	165.6	133.3	103.8	81.4	57.5	46.3
157.5°	231.5	228.7	217.5	197.8	174.0	145.9	116.4	91.2	71.6	50.5	40.7
160°	197.8	199.2	188.0	171.2	151.5	127.7	101.0	80.0	61.7	44.9	35.1
162.5°	168.4	168.4	159.9	145.9	129.1	108.0	85.6	67.3	53.3	37.9	30.9
165°	137.5	138.9	130.5	119.3	105.2	89.8	70.1	56.1	43.5	30.9	25.3
167.5°	109.4	110.8	103.8	95.4	84.2	71.6	57.5	44.9	35.1	25.3	21.0
170°	81.4	82.8	77.2	71.6	63.1	53.3	43.5	35.1	26.7	19.6	15.4
172.5°	56.1	57.5	53.3	49.1	43.5	37.9	30.9	23.9	19.6	14.0	11.2
175°	32.3	33.7	30.9	28.1	25.3	22.4	18.2	14.0	11.2	8.4	7.0
177.5°	9.8	9.8	9.8	8.4	8.4	7.0	7.0	5.6	5.6	4.2	4.2
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	4.2	4.2	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0
5°	5.6	4.2	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
7.5°	9.8	5.6	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0
10°	12.6	7.0	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0
12.5°	16.8	9.8	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
15°	19.6	11.2	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
17.5°	23.9	12.6	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
20°	28.1	14.0	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
22.5°	32.3	16.8	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
25°	36.5	18.2	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
27.5°	40.7	21.0	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
30°	44.9	22.4	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
32.5°	49.1	25.3	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
35°	53.3	26.7	11.2	4.2	1.4	1.4	1.4	0.0	0.0	0.0
37.5°	57.5	29.5	12.6	4.2	1.4	1.4	0.0	0.0	0.0	0.0
40°	61.7	30.9	12.6	4.2	1.4	1.4	0.0	0.0	0.0	0.0
42.5°	65.9	33.7	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
45°	70.1	35.1	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
47.5°	74.4	37.9	15.4	4.2	1.4	1.4	1.4	0.0	0.0	0.0
50°	77.2	39.3	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
52.5°	81.4	40.7	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
55°	84.2	43.5	18.2	5.6	1.4	1.4	1.4	0.0	0.0	0.0
57.5°	88.4	44.9	18.2	5.6	1.4	1.4	1.4	0.0	0.0	0.0
60°	91.2	46.3	19.6	5.6	1.4	1.4	1.4	1.4	0.0	1.4
62.5°	95.4	47.7	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
65°	98.2	49.1	19.6	7.0	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	101.0	50.5	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
70°	102.4	51.9	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	105.2	53.3	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
75°	108.0	54.7	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	109.4	56.1	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
80°	110.8	56.1	23.9	7.0	2.8	1.4	1.4	1.4	1.4	1.4
82.5°	112.2	57.5	23.9	8.4	2.8	1.4	1.4	1.4	1.4	1.4
85°	112.2	57.5	23.9	8.4	2.8	1.4	1.4	1.4	1.4	1.4
87.5°	113.6	57.5	23.9	8.4	2.8	2.8	1.4	1.4	1.4	1.4
89°	113.6	57.5	23.9	8.4	2.8	2.8	2.8	2.8	2.8	2.8
90°	113.6	57.5	23.9	8.4	2.8	2.8	2.8	2.8	1.4	1.4
92.5°	113.6	57.5	23.9	8.4	2.8	2.8	1.4	1.4	1.4	1.4
95°	112.2	57.5	23.9	7.0	2.8	1.4	1.4	1.4	1.4	1.4
97.5°	112.2	56.1	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
100°	110.8	56.1	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
102.5°	108.0	54.7	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
105°	106.6	53.3	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
107.5°	103.8	51.9	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	102.4	51.9	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
112.5°	99.6	50.5	19.6	7.0	1.4	1.4	1.4	1.4	1.4	1.4
115°	96.8	49.1	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
117.5°	94.0	46.3	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
120°	89.8	44.9	18.2	5.6	1.4	1.4	1.4	1.4	0.0	0.0
122.5°	87.0	43.5	18.2	5.6	1.4	1.4	1.4	1.4	0.0	0.0
125°	84.2	42.1	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
127.5°	80.0	40.7	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
130°	75.8	37.9	15.4	4.2	1.4	1.4	1.4	0.0	0.0	0.0
132.5°	73.0	36.5	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
135°	68.7	35.1	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
137.5°	64.5	32.3	12.6	4.2	1.4	1.4	1.4	0.0	0.0	0.0
140°	60.3	30.9	12.6	4.2	1.4	1.4	1.4	0.0	0.0	0.0
142.5°	56.1	28.1	11.2	4.2	1.4	1.4	1.4	0.0	0.0	0.0
145°	51.9	26.7	11.2	2.8	1.4	1.4	1.4	0.0	0.0	0.0
147.5°	47.7	23.9	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
150°	43.5	22.4	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
152.5°	39.3	21.0	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
155°	35.1	18.2	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
157.5°	30.9	16.8	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
160°	26.7	14.0	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
162.5°	23.9	12.6	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
165°	19.6	9.8	5.6	2.8	2.8	1.4	1.4	0.0	0.0	0.0
167.5°	15.4	8.4	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
170°	12.6	7.0	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
172.5°	8.4	5.6	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
175°	5.6	4.2	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0
177.5°	4.2	4.2	4.2	2.8	2.8	1.4	1.4	1.4	0.0	0.0
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)