

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: P368752

Luminaire Tested: **674-WP-43-L4/830**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368752
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-L4/830
Description: 43" 674 SERIES LUMINOUS WALL SCONCE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2436.2 lumens
Efficiency: N/A
Efficacy: 69.6 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

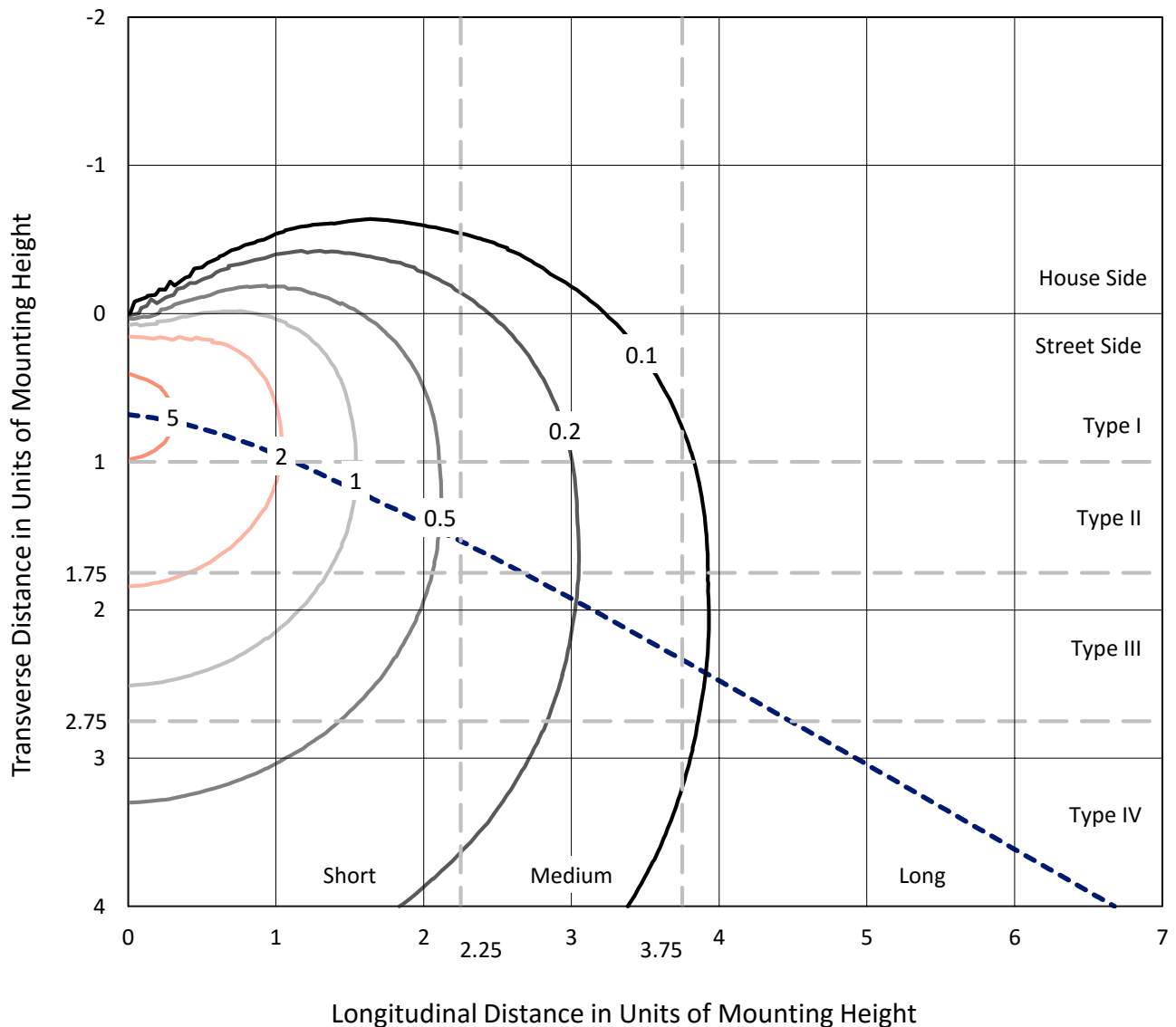
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

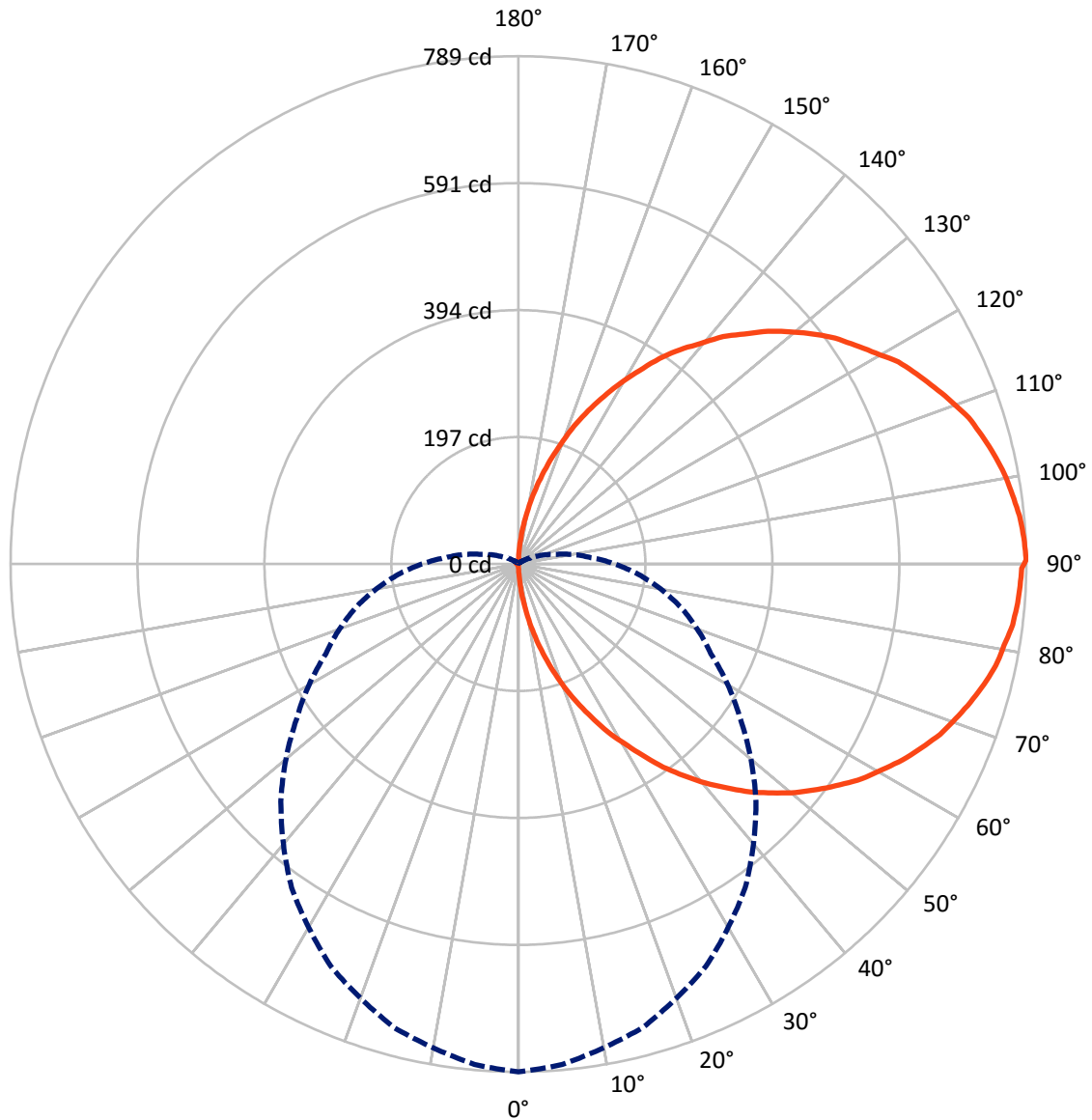
× Max cd
 - - - 1/2 Max cd



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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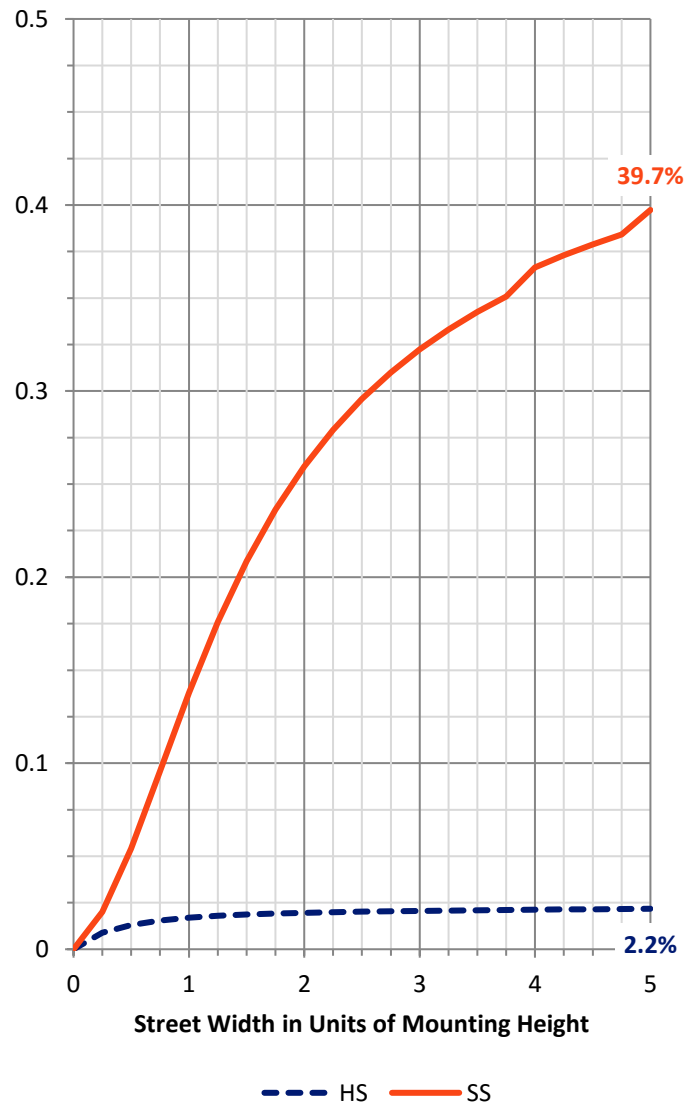
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.0	55.2	111.2
	% Fixture	2.3	2.3	4.6
Street Side	Lumens	1163.9	1161.0	2324.9
	% Fixture	47.8	47.7	95.4
Total	Lumens	1220.0	1216.2	2436.2
	% 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°	40.4	1.7
30°-40°	79.9	3.3
40°-50°	128.7	5.3
50°-60°	179.9	7.4
60°-70°	227.1	9.3
70°-80°	263.9	10.8
80°-90°	284.3	11.7
90°-100°	285.5	11.7
100°-110°	263.7	10.8
110°-120°	226.2	9.3
120°-130°	178.6	7.3
130°-140°	127.6	5.2
140°-150°	79.3	3.3
150°-160°	40.0	1.6
160°-170°	13.6	0.6
170°-180°	1.6	0.1
0°-90°	1220.0	50.1
0°-180°	2436.2	100.0



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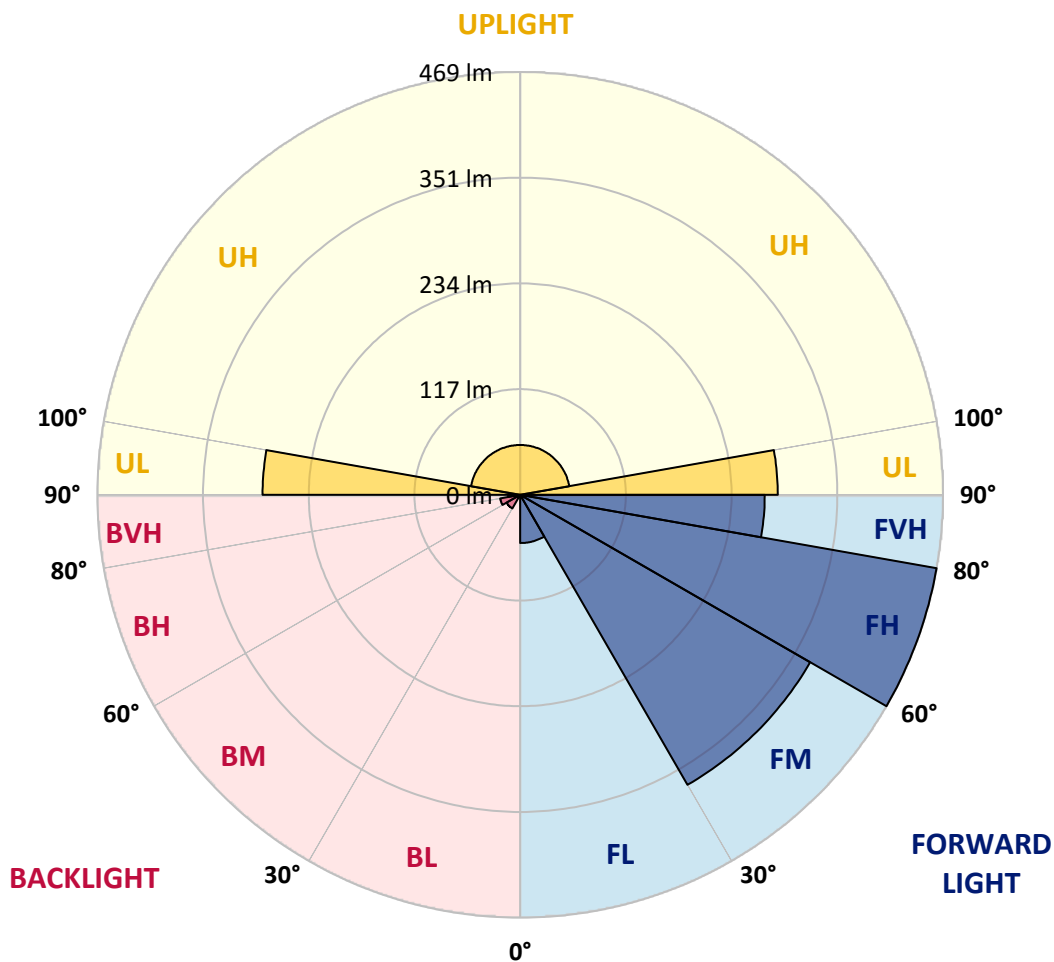
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.4	2.2			
FM (30°-60°)	371.0	15.2			
FH (60°-80°)	468.5	19.2			G0/660
FVH (80°-90°)	271.0	11.1			G3/500
BL (0°-30°)	2.8	0.1	B0/110		
BM (30°-60°)	17.4	0.7	B0/220		
BH (60°-80°)	22.5	0.9	B0/110		G0/110
BVH (80°-90°)	13.3	0.5			G1/100
UL (90°-100°)	285.5	11.7		U3/500	
UH (100°-180°)	55.2	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°	37.7	36.3	35.0	33.6	28.0	23.8	19.6	15.4	12.6	8.4	7.0
7.5°	61.5	60.1	57.3	54.5	46.1	39.1	32.2	25.2	21.0	14.0	11.2
10°	88.1	85.3	82.5	75.5	65.7	55.9	44.7	35.0	28.0	19.6	16.8
12.5°	116.0	113.2	109.0	100.7	86.7	74.1	58.7	46.1	36.3	26.6	21.0
15°	144.0	142.6	135.6	124.4	109.0	92.3	72.7	57.3	44.7	32.2	26.6
17.5°	174.8	170.6	163.6	149.6	131.4	110.4	88.1	68.5	54.5	39.1	30.8
20°	204.1	199.9	191.5	174.8	153.8	128.6	102.1	81.1	62.9	44.7	36.3
22.5°	233.5	229.3	219.5	199.9	176.2	148.2	117.4	92.3	72.7	51.7	41.9
25°	262.8	260.0	247.5	225.1	198.5	166.4	132.8	104.9	82.5	58.7	47.5
27.5°	295.0	289.4	275.4	251.7	222.3	187.3	149.6	117.4	92.3	65.7	53.1
30°	323.0	321.6	306.2	278.2	246.1	206.9	163.6	130.0	102.1	72.7	57.3
32.5°	353.7	350.9	332.7	304.8	268.4	226.5	179.0	142.6	111.8	79.7	62.9
35°	387.3	383.1	364.9	331.3	292.2	246.1	195.7	155.2	121.6	86.7	69.9
37.5°	416.6	413.8	394.3	357.9	316.0	265.6	211.1	167.8	131.4	93.7	75.5
40°	447.4	443.2	420.8	385.9	338.3	285.2	227.9	180.4	141.2	100.7	81.1
42.5°	475.3	471.2	448.8	411.0	362.1	303.4	243.3	191.5	151.0	107.7	86.7
45°	504.7	499.1	476.7	436.2	385.9	323.0	258.6	204.1	160.8	114.6	92.3
47.5°	531.3	525.7	501.9	460.0	406.8	341.1	272.6	215.3	170.6	121.6	96.5
50°	557.8	552.2	525.7	482.3	427.8	360.7	286.6	227.9	179.0	128.6	102.1
52.5°	581.6	576.0	548.0	503.3	447.4	377.5	299.2	237.7	187.3	134.2	106.3
55°	605.4	599.8	571.8	524.3	467.0	394.3	313.2	248.9	195.7	139.8	111.8
57.5°	629.1	622.1	591.4	545.2	483.7	409.6	325.8	258.6	202.7	145.4	116.0
60°	648.7	643.1	612.4	563.4	500.5	423.6	336.9	267.0	211.1	151.0	120.2
62.5°	669.7	662.7	631.9	581.6	515.9	439.0	348.1	275.4	218.1	156.6	124.4
65°	687.9	680.9	648.7	597.0	531.3	450.2	360.7	285.2	225.1	160.8	128.6
67.5°	706.0	697.6	665.5	613.8	545.2	462.8	370.5	292.2	230.7	165.0	131.4
70°	720.0	713.0	679.5	627.7	557.8	473.9	381.7	299.2	236.3	169.2	135.6
72.5°	734.0	727.0	692.0	640.3	569.0	483.7	390.1	306.2	241.9	173.4	138.4
75°	746.6	739.6	704.6	651.5	580.2	492.1	397.1	311.8	246.1	176.2	141.2
77.5°	757.8	749.4	715.8	661.3	587.2	500.5	402.6	316.0	250.3	179.0	144.0
80°	764.7	757.8	722.8	668.3	594.2	504.7	406.8	320.2	253.1	181.7	145.4
82.5°	773.1	764.7	729.8	673.9	601.2	510.3	411.0	323.0	255.8	183.1	146.8
85°	777.3	768.9	734.0	679.5	605.4	514.5	415.2	325.8	257.2	184.5	148.2
87.5°	780.1	771.7	738.2	682.3	608.2	517.3	416.6	327.1	258.6	185.9	148.2
89°	781.5	773.1	738.2	682.3	608.2	517.3	416.6	327.1	258.6	185.9	149.6
90°	788.5	780.1	745.2	689.2	613.8	521.5	420.8	329.9	261.4	187.3	149.6
92.5°	785.7	778.7	742.4	687.9	612.4	520.1	419.4	328.5	260.0	185.9	149.6
95°	781.5	774.5	738.2	683.7	608.2	517.3	416.6	325.8	258.6	184.5	148.2
97.5°	774.5	767.5	732.6	676.7	602.6	511.7	412.4	323.0	255.8	183.1	146.8
100°	767.5	760.6	725.6	671.1	597.0	507.5	408.2	320.2	253.1	181.7	145.4
102.5°	757.8	752.2	717.2	662.7	588.6	500.5	402.6	316.0	248.9	179.0	142.6
105°	746.6	739.6	704.6	651.5	578.8	492.1	395.7	310.4	246.1	176.2	139.8
107.5°	735.4	727.0	692.0	638.9	569.0	482.3	388.7	304.8	240.5	172.0	137.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	718.6	713.0	678.1	626.3	556.4	472.5	380.3	297.8	234.9	167.8	134.2
112.5°	701.8	696.2	664.1	612.4	543.9	461.4	371.9	290.8	229.3	163.6	131.4
115°	685.1	679.5	647.3	597.0	529.9	448.8	359.3	282.4	222.3	159.4	127.2
117.5°	668.3	661.3	629.1	580.2	514.5	436.2	346.7	274.0	216.7	155.2	123.0
120°	644.5	640.3	609.6	562.0	497.7	422.2	335.5	264.2	208.3	149.6	118.8
122.5°	623.5	619.3	588.6	542.5	480.9	406.8	324.4	255.8	201.3	144.0	114.6
125°	604.0	597.0	567.6	522.9	462.8	391.5	311.8	244.7	194.3	138.4	110.4
127.5°	580.2	573.2	545.2	501.9	444.6	376.1	297.8	234.9	185.9	131.4	106.3
130°	555.0	549.4	521.5	479.5	423.6	355.1	285.2	223.7	177.6	125.8	100.7
132.5°	529.9	524.3	497.7	457.2	404.0	338.3	271.2	212.5	167.8	120.2	95.1
135°	500.5	497.7	472.5	433.4	383.1	320.2	255.8	201.3	159.4	113.2	90.9
137.5°	475.3	469.8	446.0	409.6	357.9	302.0	241.9	190.1	149.6	106.3	85.3
140°	443.2	441.8	418.0	384.5	335.5	282.4	226.5	177.6	139.8	99.3	79.7
142.5°	416.6	412.4	391.5	355.1	313.2	262.8	211.1	166.4	130.0	92.3	74.1
145°	387.3	383.1	360.7	328.5	290.8	244.7	194.3	153.8	120.2	85.3	68.5
147.5°	353.7	349.5	332.7	303.4	267.0	225.1	179.0	141.2	110.4	78.3	62.9
150°	323.0	320.2	302.0	276.8	244.7	205.5	163.6	128.6	100.7	71.3	57.3
152.5°	292.2	289.4	275.4	250.3	220.9	184.5	148.2	116.0	90.9	64.3	51.7
155°	261.4	258.6	246.1	223.7	197.1	165.0	132.8	103.5	81.1	57.3	46.1
157.5°	230.7	227.9	216.7	197.1	173.4	145.4	116.0	90.9	71.3	50.3	40.5
160°	197.1	198.5	187.3	170.6	151.0	127.2	100.7	79.7	61.5	44.7	35.0
162.5°	167.8	167.8	159.4	145.4	128.6	107.7	85.3	67.1	53.1	37.7	30.8
165°	137.0	138.4	130.0	118.8	104.9	89.5	69.9	55.9	43.3	30.8	25.2
167.5°	109.0	110.4	103.5	95.1	83.9	71.3	57.3	44.7	35.0	25.2	21.0
170°	81.1	82.5	76.9	71.3	62.9	53.1	43.3	35.0	26.6	19.6	15.4
172.5°	55.9	57.3	53.1	48.9	43.3	37.7	30.8	23.8	19.6	14.0	11.2
175°	32.2	33.6	30.8	28.0	25.2	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°	23.8	12.6	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
20°	28.0	14.0	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
22.5°	32.2	16.8	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
25°	36.3	18.2	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
27.5°	40.5	21.0	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
30°	44.7	22.4	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
32.5°	48.9	25.2	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
35°	53.1	26.6	11.2	4.2	1.4	1.4	1.4	0.0	0.0	0.0
37.5°	57.3	29.4	12.6	4.2	1.4	1.4	0.0	0.0	0.0	0.0
40°	61.5	30.8	12.6	4.2	1.4	1.4	0.0	0.0	0.0	0.0
42.5°	65.7	33.6	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
45°	69.9	35.0	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
47.5°	74.1	37.7	15.4	4.2	1.4	1.4	1.4	0.0	0.0	0.0
50°	76.9	39.1	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
52.5°	81.1	40.5	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
55°	83.9	43.3	18.2	5.6	1.4	1.4	1.4	0.0	0.0	0.0
57.5°	88.1	44.7	18.2	5.6	1.4	1.4	1.4	0.0	0.0	0.0
60°	90.9	46.1	19.6	5.6	1.4	1.4	1.4	1.4	0.0	1.4
62.5°	95.1	47.5	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
65°	97.9	48.9	19.6	7.0	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	100.7	50.3	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
70°	102.1	51.7	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	104.9	53.1	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
75°	107.7	54.5	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	109.0	55.9	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
80°	110.4	55.9	23.8	7.0	2.8	1.4	1.4	1.4	1.4	1.4
82.5°	111.8	57.3	23.8	8.4	2.8	1.4	1.4	1.4	1.4	1.4
85°	111.8	57.3	23.8	8.4	2.8	1.4	1.4	1.4	1.4	1.4
87.5°	113.2	57.3	23.8	8.4	2.8	2.8	1.4	1.4	1.4	1.4
89°	113.2	57.3	23.8	8.4	2.8	2.8	2.8	2.8	2.8	2.8
90°	113.2	57.3	23.8	8.4	2.8	2.8	2.8	2.8	1.4	1.4
92.5°	113.2	57.3	23.8	8.4	2.8	2.8	1.4	1.4	1.4	1.4
95°	111.8	57.3	23.8	7.0	2.8	1.4	1.4	1.4	1.4	1.4
97.5°	111.8	55.9	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
100°	110.4	55.9	22.4	7.0	2.8	1.4	1.4	1.4	1.4	1.4
102.5°	107.7	54.5	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
105°	106.3	53.1	22.4	7.0	1.4	1.4	1.4	1.4	1.4	1.4
107.5°	103.5	51.7	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°	102.1	51.7	21.0	7.0	1.4	1.4	1.4	1.4	1.4	1.4
112.5°	99.3	50.3	19.6	7.0	1.4	1.4	1.4	1.4	1.4	1.4
115°	96.5	48.9	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
117.5°	93.7	46.1	19.6	5.6	1.4	1.4	1.4	1.4	1.4	1.4
120°	89.5	44.7	18.2	5.6	1.4	1.4	1.4	1.4	0.0	0.0
122.5°	86.7	43.3	18.2	5.6	1.4	1.4	1.4	1.4	0.0	0.0
125°	83.9	41.9	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
127.5°	79.7	40.5	16.8	5.6	1.4	1.4	1.4	0.0	0.0	0.0
130°	75.5	37.7	15.4	4.2	1.4	1.4	1.4	0.0	0.0	0.0
132.5°	72.7	36.3	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
135°	68.5	35.0	14.0	4.2	1.4	1.4	1.4	0.0	0.0	0.0
137.5°	64.3	32.2	12.6	4.2	1.4	1.4	1.4	0.0	0.0	0.0
140°	60.1	30.8	12.6	4.2	1.4	1.4	1.4	0.0	0.0	0.0
142.5°	55.9	28.0	11.2	4.2	1.4	1.4	1.4	0.0	0.0	0.0
145°	51.7	26.6	11.2	2.8	1.4	1.4	1.4	0.0	0.0	0.0
147.5°	47.5	23.8	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
150°	43.3	22.4	9.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
152.5°	39.1	21.0	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
155°	35.0	18.2	8.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0
157.5°	30.8	16.8	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
160°	26.6	14.0	5.6	2.8	1.4	1.4	1.4	0.0	0.0	0.0
162.5°	23.8	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)