

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: P368754

Luminaire Tested: **674-WP-43-L4/840**

Issue Date: 11/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368754  
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-L4/840  
Description: 43" 674 SERIES LUMINOUS WALL SCONCE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2595.7 lumens  
Efficiency: N/A  
Efficacy: 74.2 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

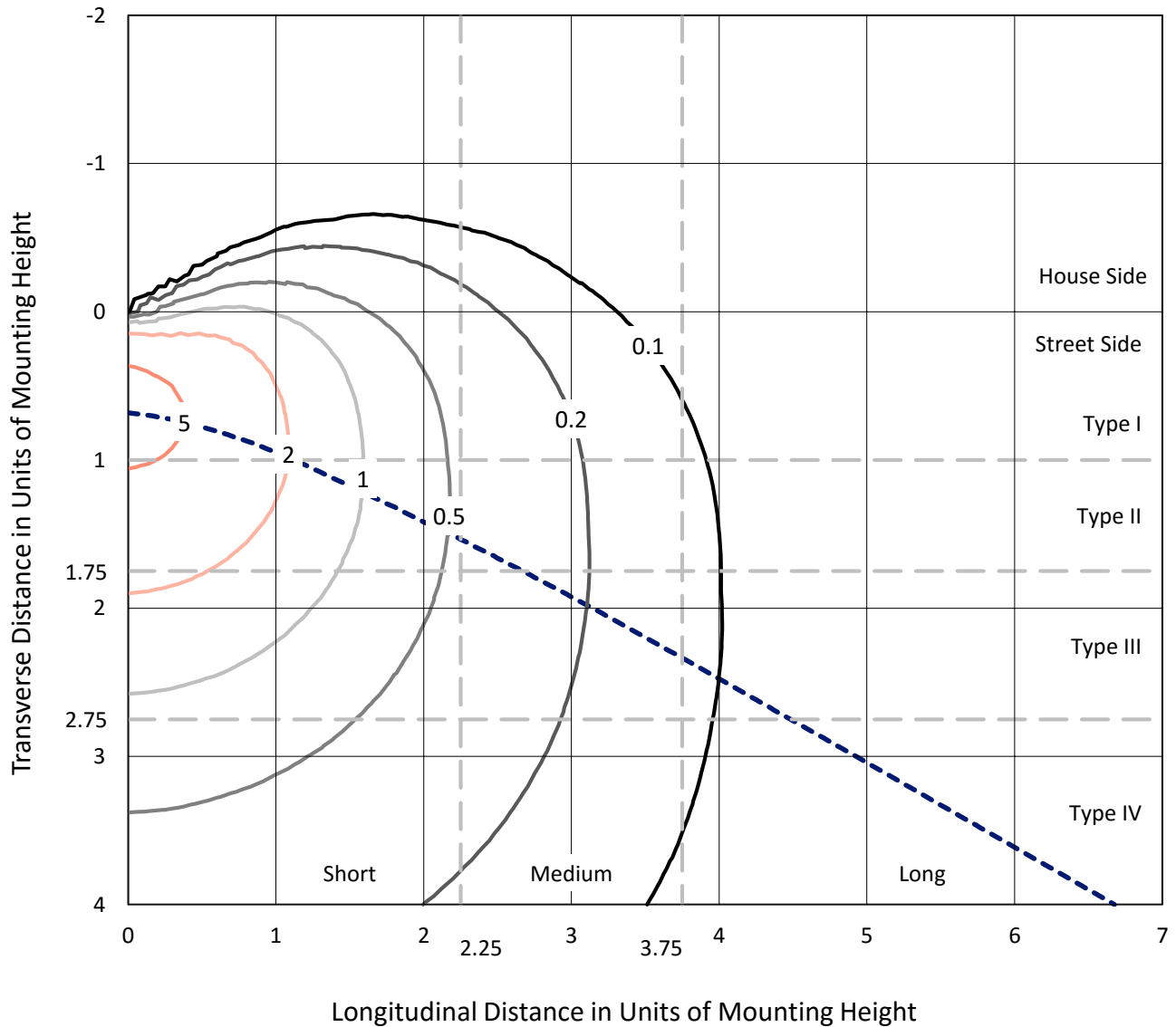
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

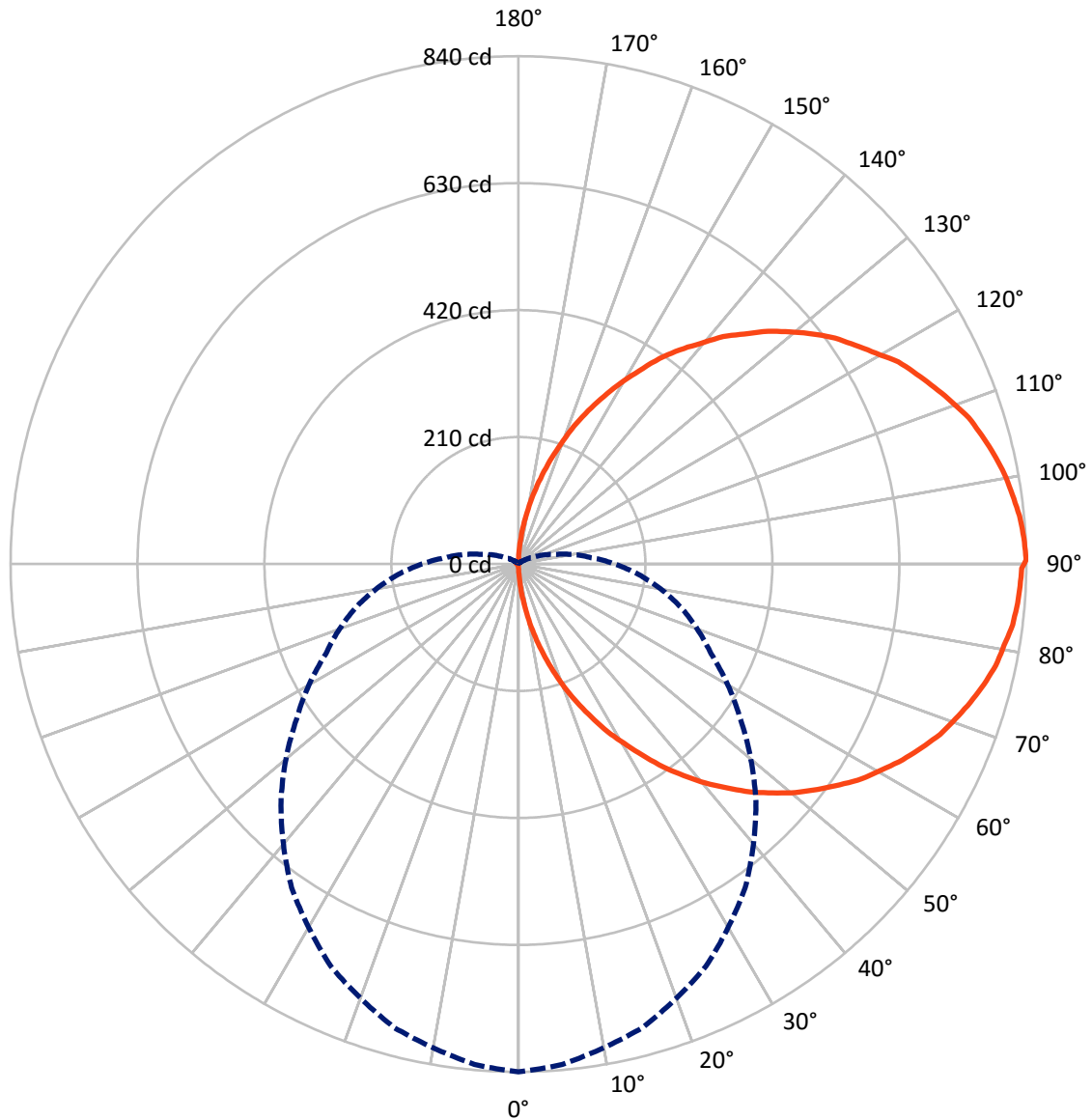
× Max cd  
 - - - 1/2 Max cd



Based on 6 foot mounting height. Maximum calculated value = 6.3 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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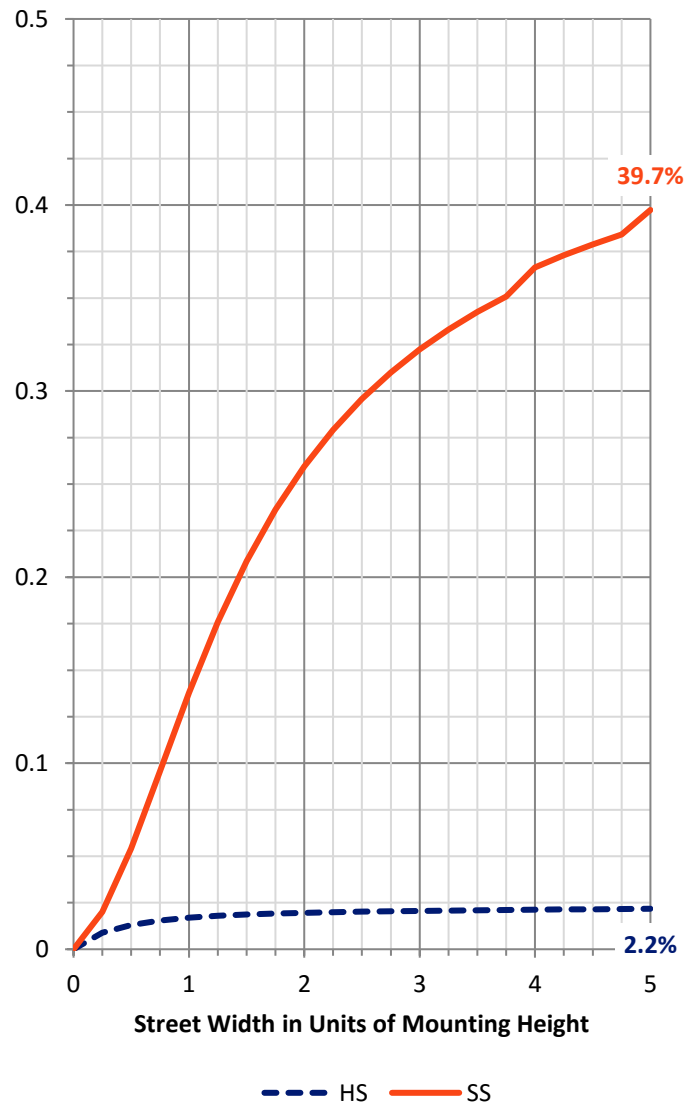
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	59.7	58.8	118.5
	% Fixture	2.3	2.3	4.6
<b>Street Side</b>	Lumens	1240.2	1237.0	2477.2
	% Fixture	47.8	47.7	95.4
<b>Total</b>	Lumens	1299.9	1295.8	2595.7
	% Fixture	50.1	49.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	15.0	0.6
20°-30°	43.0	1.7
30°-40°	85.1	3.3
40°-50°	137.1	5.3
50°-60°	191.7	7.4
60°-70°	242.0	9.3
70°-80°	281.2	10.8
80°-90°	302.9	11.7
90°-100°	304.2	11.7
100°-110°	280.9	10.8
110°-120°	241.0	9.3
120°-130°	190.4	7.3
130°-140°	136.0	5.2
140°-150°	84.5	3.3
150°-160°	42.6	1.6
160°-170°	14.5	0.6
170°-180°	1.7	0.1
0°-90°	1299.9	50.1
0°-180°	2595.7	100.0



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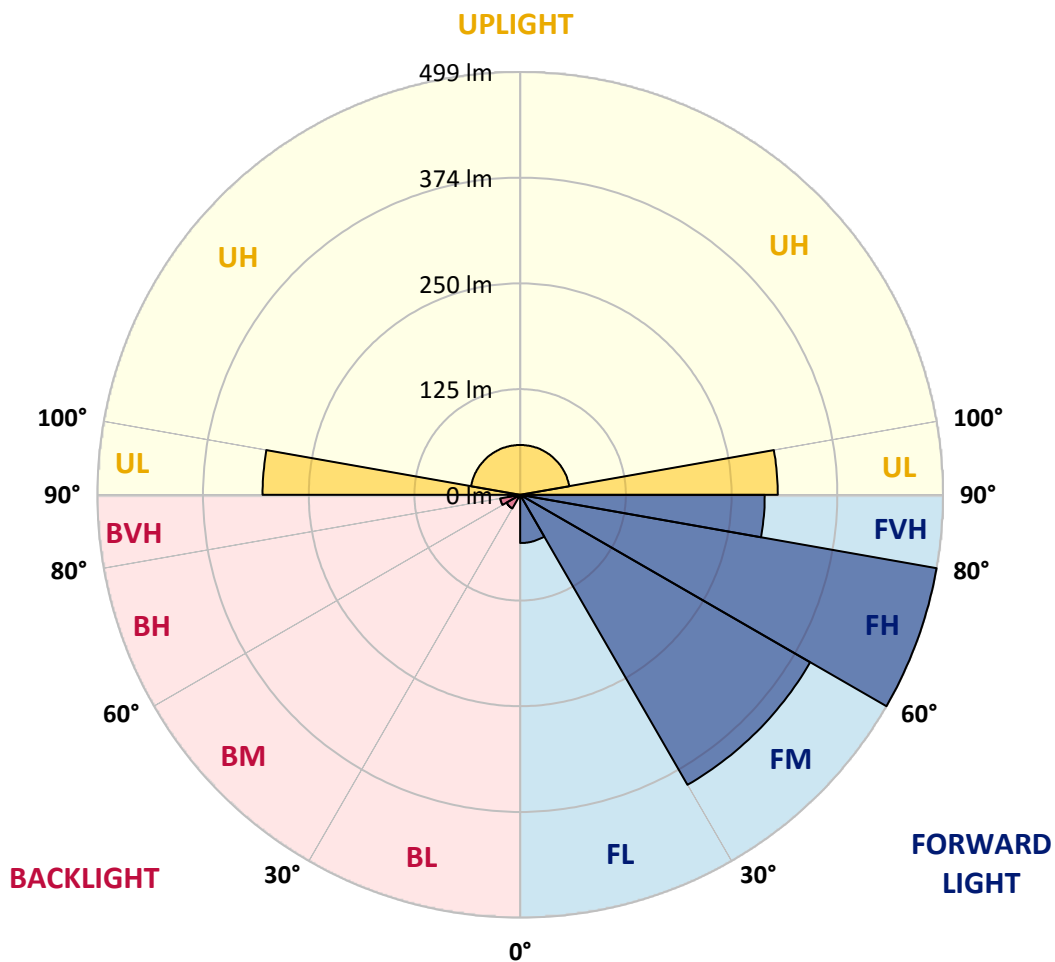
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.9	2.2			
FM	(30°-60°)	395.3	15.2			
FH	(60°-80°)	499.2	19.2			G0/660
FVH	(80°-90°)	288.7	11.1			G3/500
BL	(0°-30°)	3.0	0.1	B0/110		
BM	(30°-60°)	18.6	0.7	B0/220		
BH	(60°-80°)	24.0	0.9	B0/110		G0/110
BVH	(80°-90°)	14.2	0.5			G1/100
UL	(90°-100°)	304.2	11.7		U3/500	
UH	(100°-180°)	58.8	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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	16.4	13.4	13.4	13.4	10.4	10.4	8.9	7.4	6.0	4.5	4.5
5°	40.2	38.7	37.2	35.8	29.8	25.3	20.9	16.4	13.4	8.9	7.4
7.5°	65.5	64.1	61.1	58.1	49.2	41.7	34.3	26.8	22.3	14.9	11.9
10°	93.8	90.9	87.9	80.4	70.0	59.6	47.7	37.2	29.8	20.9	17.9
12.5°	123.6	120.7	116.2	107.3	92.4	79.0	62.6	49.2	38.7	28.3	22.3
15°	153.4	151.9	144.5	132.6	116.2	98.3	77.5	61.1	47.7	34.3	28.3
17.5°	186.2	181.7	174.3	159.4	140.0	117.7	93.8	73.0	58.1	41.7	32.8
20°	217.5	213.0	204.1	186.2	163.9	137.0	108.7	86.4	67.0	47.7	38.7
22.5°	248.8	244.3	233.9	213.0	187.7	157.9	125.1	98.3	77.5	55.1	44.7
25°	280.1	277.1	263.7	239.8	211.5	177.3	141.5	111.7	87.9	62.6	50.6
27.5°	314.3	308.4	293.5	268.1	236.9	199.6	159.4	125.1	98.3	70.0	56.6
30°	344.1	342.6	326.2	296.4	262.2	220.5	174.3	138.5	108.7	77.5	61.1
32.5°	376.9	373.9	354.5	324.7	286.0	241.3	190.7	151.9	119.2	84.9	67.0
35°	412.6	408.2	388.8	353.0	311.3	262.2	208.6	165.4	129.6	92.4	74.5
37.5°	443.9	440.9	420.1	381.4	336.7	283.0	224.9	178.8	140.0	99.8	80.4
40°	476.7	472.2	448.4	411.1	360.5	303.9	242.8	192.2	150.5	107.3	86.4
42.5°	506.5	502.0	478.2	438.0	385.8	323.3	259.2	204.1	160.9	114.7	92.4
45°	537.8	531.8	508.0	464.8	411.1	344.1	275.6	217.5	171.3	122.2	98.3
47.5°	566.1	560.1	534.8	490.1	433.5	363.5	290.5	229.4	181.7	129.6	102.8
50°	594.4	588.4	560.1	513.9	455.8	384.3	305.4	242.8	190.7	137.0	108.7
52.5°	619.7	613.7	583.9	536.3	476.7	402.2	318.8	253.2	199.6	143.0	113.2
55°	645.0	639.1	609.3	558.6	497.5	420.1	333.7	265.2	208.6	149.0	119.2
57.5°	670.3	662.9	630.1	581.0	515.4	436.5	347.1	275.6	216.0	154.9	123.6
60°	691.2	685.2	652.5	600.3	533.3	451.4	359.0	284.5	224.9	160.9	128.1
62.5°	713.5	706.1	673.3	619.7	549.7	467.8	370.9	293.5	232.4	166.8	132.6
65°	732.9	725.5	691.2	636.1	566.1	479.7	384.3	303.9	239.8	171.3	137.0
67.5°	752.3	743.3	709.1	654.0	581.0	493.1	394.8	311.3	245.8	175.8	140.0
70°	767.2	759.7	724.0	668.9	594.4	505.0	406.7	318.8	251.8	180.2	144.5
72.5°	782.1	774.6	737.4	682.3	606.3	515.4	415.6	326.2	257.7	184.7	147.5
75°	795.5	788.0	750.8	694.2	618.2	524.4	423.1	332.2	262.2	187.7	150.5
77.5°	807.4	798.5	762.7	704.6	625.7	533.3	429.0	336.7	266.6	190.7	153.4
80°	814.8	807.4	770.2	712.1	633.1	537.8	433.5	341.1	269.6	193.7	154.9
82.5°	823.8	814.8	777.6	718.0	640.6	543.7	438.0	344.1	272.6	195.1	156.4
85°	828.3	819.3	782.1	724.0	645.0	548.2	442.4	347.1	274.1	196.6	157.9
87.5°	831.2	822.3	786.5	727.0	648.0	551.2	443.9	348.6	275.6	198.1	157.9
89°	832.7	823.8	786.5	727.0	648.0	551.2	443.9	348.6	275.6	198.1	159.4
90°	840.2	831.2	794.0	734.4	654.0	555.6	448.4	351.6	278.6	199.6	159.4
92.5°	837.2	829.7	791.0	732.9	652.5	554.2	446.9	350.1	277.1	198.1	159.4
95°	832.7	825.3	786.5	728.4	648.0	551.2	443.9	347.1	275.6	196.6	157.9
97.5°	825.3	817.8	780.6	721.0	642.0	545.2	439.4	344.1	272.6	195.1	156.4
100°	817.8	810.4	773.1	715.0	636.1	540.7	435.0	341.1	269.6	193.7	154.9
102.5°	807.4	801.4	764.2	706.1	627.1	533.3	429.0	336.7	265.2	190.7	151.9
105°	795.5	788.0	750.8	694.2	616.7	524.4	421.6	330.7	262.2	187.7	149.0
107.5°	783.6	774.6	737.4	680.8	606.3	513.9	414.1	324.7	256.2	183.2	146.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	765.7	759.7	722.5	667.4	592.9	503.5	405.2	317.3	250.3	178.8	143.0
112.5°	747.8	741.9	707.6	652.5	579.5	491.6	396.2	309.8	244.3	174.3	140.0
115°	729.9	724.0	689.7	636.1	564.6	478.2	382.8	300.9	236.9	169.8	135.6
117.5°	712.1	704.6	670.3	618.2	548.2	464.8	369.4	292.0	230.9	165.4	131.1
120°	686.7	682.3	649.5	598.8	530.3	449.9	357.5	281.5	222.0	159.4	126.6
122.5°	664.4	659.9	627.1	578.0	512.4	433.5	345.6	272.6	214.5	153.4	122.2
125°	643.5	636.1	604.8	557.1	493.1	417.1	332.2	260.7	207.1	147.5	117.7
127.5°	618.2	610.8	581.0	534.8	473.7	400.7	317.3	250.3	198.1	140.0	113.2
130°	591.4	585.4	555.6	511.0	451.4	378.4	303.9	238.3	189.2	134.1	107.3
132.5°	564.6	558.6	530.3	487.1	430.5	360.5	289.0	226.4	178.8	128.1	101.3
135°	533.3	530.3	503.5	461.8	408.2	341.1	272.6	214.5	169.8	120.7	96.8
137.5°	506.5	500.5	475.2	436.5	381.4	321.8	257.7	202.6	159.4	113.2	90.9
140°	472.2	470.7	445.4	409.7	357.5	300.9	241.3	189.2	149.0	105.8	84.9
142.5°	443.9	439.4	417.1	378.4	333.7	280.1	224.9	177.3	138.5	98.3	79.0
145°	412.6	408.2	384.3	350.1	309.8	260.7	207.1	163.9	128.1	90.9	73.0
147.5°	376.9	372.4	354.5	323.3	284.5	239.8	190.7	150.5	117.7	83.4	67.0
150°	344.1	341.1	321.8	295.0	260.7	219.0	174.3	137.0	107.3	76.0	61.1
152.5°	311.3	308.4	293.5	266.6	235.4	196.6	157.9	123.6	96.8	68.5	55.1
155°	278.6	275.6	262.2	238.3	210.0	175.8	141.5	110.2	86.4	61.1	49.2
157.5°	245.8	242.8	230.9	210.0	184.7	154.9	123.6	96.8	76.0	53.6	43.2
160°	210.0	211.5	199.6	181.7	160.9	135.6	107.3	84.9	65.5	47.7	37.2
162.5°	178.8	178.8	169.8	154.9	137.0	114.7	90.9	71.5	56.6	40.2	32.8
165°	146.0	147.5	138.5	126.6	111.7	95.3	74.5	59.6	46.2	32.8	26.8
167.5°	116.2	117.7	110.2	101.3	89.4	76.0	61.1	47.7	37.2	26.8	22.3
170°	86.4	87.9	81.9	76.0	67.0	56.6	46.2	37.2	28.3	20.9	16.4
172.5°	59.6	61.1	56.6	52.1	46.2	40.2	32.8	25.3	20.9	14.9	11.9
175°	34.3	35.8	32.8	29.8	26.8	23.8	19.4	14.9	11.9	8.9	7.4
177.5°	10.4	10.4	10.4	8.9	8.9	7.4	7.4	6.0	6.0	4.5	4.5
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.5	4.5	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
5°	6.0	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
7.5°	10.4	6.0	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
10°	13.4	7.4	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
12.5°	17.9	10.4	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
15°	20.9	11.9	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
17.5°	25.3	13.4	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
20°	29.8	14.9	7.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
22.5°	34.3	17.9	7.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
25°	38.7	19.4	8.9	3.0	1.5	1.5	1.5	0.0	0.0	0.0
27.5°	43.2	22.3	8.9	3.0	1.5	1.5	1.5	0.0	0.0	0.0
30°	47.7	23.8	10.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
32.5°	52.1	26.8	10.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
35°	56.6	28.3	11.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
37.5°	61.1	31.3	13.4	4.5	1.5	1.5	0.0	0.0	0.0	0.0
40°	65.5	32.8	13.4	4.5	1.5	1.5	0.0	0.0	0.0	0.0
42.5°	70.0	35.8	14.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
45°	74.5	37.2	14.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
47.5°	79.0	40.2	16.4	4.5	1.5	1.5	1.5	0.0	0.0	0.0
50°	81.9	41.7	17.9	6.0	1.5	1.5	1.5	0.0	0.0	0.0
52.5°	86.4	43.2	17.9	6.0	1.5	1.5	1.5	0.0	0.0	0.0
55°	89.4	46.2	19.4	6.0	1.5	1.5	1.5	0.0	0.0	0.0
57.5°	93.8	47.7	19.4	6.0	1.5	1.5	1.5	0.0	0.0	0.0
60°	96.8	49.2	20.9	6.0	1.5	1.5	1.5	1.5	0.0	1.5
62.5°	101.3	50.6	20.9	6.0	1.5	1.5	1.5	1.5	1.5	1.5
65°	104.3	52.1	20.9	7.4	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	107.3	53.6	22.3	7.4	1.5	1.5	1.5	1.5	1.5	1.5
70°	108.7	55.1	22.3	7.4	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	111.7	56.6	23.8	7.4	1.5	1.5	1.5	1.5	1.5	1.5
75°	114.7	58.1	23.8	7.4	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	116.2	59.6	23.8	7.4	3.0	1.5	1.5	1.5	1.5	1.5
80°	117.7	59.6	25.3	7.4	3.0	1.5	1.5	1.5	1.5	1.5
82.5°	119.2	61.1	25.3	8.9	3.0	1.5	1.5	1.5	1.5	1.5
85°	119.2	61.1	25.3	8.9	3.0	1.5	1.5	1.5	1.5	1.5
87.5°	120.7	61.1	25.3	8.9	3.0	3.0	1.5	1.5	1.5	1.5
89°	120.7	61.1	25.3	8.9	3.0	3.0	3.0	3.0	3.0	3.0
90°	120.7	61.1	25.3	8.9	3.0	3.0	3.0	3.0	1.5	1.5
92.5°	120.7	61.1	25.3	8.9	3.0	3.0	1.5	1.5	1.5	1.5
95°	119.2	61.1	25.3	7.4	3.0	1.5	1.5	1.5	1.5	1.5
97.5°	119.2	59.6	23.8	7.4	3.0	1.5	1.5	1.5	1.5	1.5
100°	117.7	59.6	23.8	7.4	3.0	1.5	1.5	1.5	1.5	1.5
102.5°	114.7	58.1	23.8	7.4	1.5	1.5	1.5	1.5	1.5	1.5
105°	113.2	56.6	23.8	7.4	1.5	1.5	1.5	1.5	1.5	1.5
107.5°	110.2	55.1	22.3	7.4	1.5	1.5	1.5	1.5	1.5	1.5



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	108.7	55.1	22.3	7.4	1.5	1.5	1.5	1.5	1.5	1.5
112.5°	105.8	53.6	20.9	7.4	1.5	1.5	1.5	1.5	1.5	1.5
115°	102.8	52.1	20.9	6.0	1.5	1.5	1.5	1.5	1.5	1.5
117.5°	99.8	49.2	20.9	6.0	1.5	1.5	1.5	1.5	1.5	1.5
120°	95.3	47.7	19.4	6.0	1.5	1.5	1.5	1.5	0.0	0.0
122.5°	92.4	46.2	19.4	6.0	1.5	1.5	1.5	1.5	0.0	0.0
125°	89.4	44.7	17.9	6.0	1.5	1.5	1.5	0.0	0.0	0.0
127.5°	84.9	43.2	17.9	6.0	1.5	1.5	1.5	0.0	0.0	0.0
130°	80.4	40.2	16.4	4.5	1.5	1.5	1.5	0.0	0.0	0.0
132.5°	77.5	38.7	14.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
135°	73.0	37.2	14.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
137.5°	68.5	34.3	13.4	4.5	1.5	1.5	1.5	0.0	0.0	0.0
140°	64.1	32.8	13.4	4.5	1.5	1.5	1.5	0.0	0.0	0.0
142.5°	59.6	29.8	11.9	4.5	1.5	1.5	1.5	0.0	0.0	0.0
145°	55.1	28.3	11.9	3.0	1.5	1.5	1.5	0.0	0.0	0.0
147.5°	50.6	25.3	10.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
150°	46.2	23.8	10.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
152.5°	41.7	22.3	8.9	3.0	1.5	1.5	1.5	0.0	0.0	0.0
155°	37.2	19.4	8.9	3.0	1.5	1.5	1.5	0.0	0.0	0.0
157.5°	32.8	17.9	7.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0
160°	28.3	14.9	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
162.5°	25.3	13.4	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
165°	20.9	10.4	6.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0
167.5°	16.4	8.9	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
170°	13.4	7.4	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
172.5°	8.9	6.0	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
175°	6.0	4.5	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
177.5°	4.5	4.5	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)