

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: P368756

Luminaire Tested: **674-WP-55-L5/830**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368756
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-55-L5/830
Description: 55" 674 SERIES LUMINOUS WALL SCONCE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

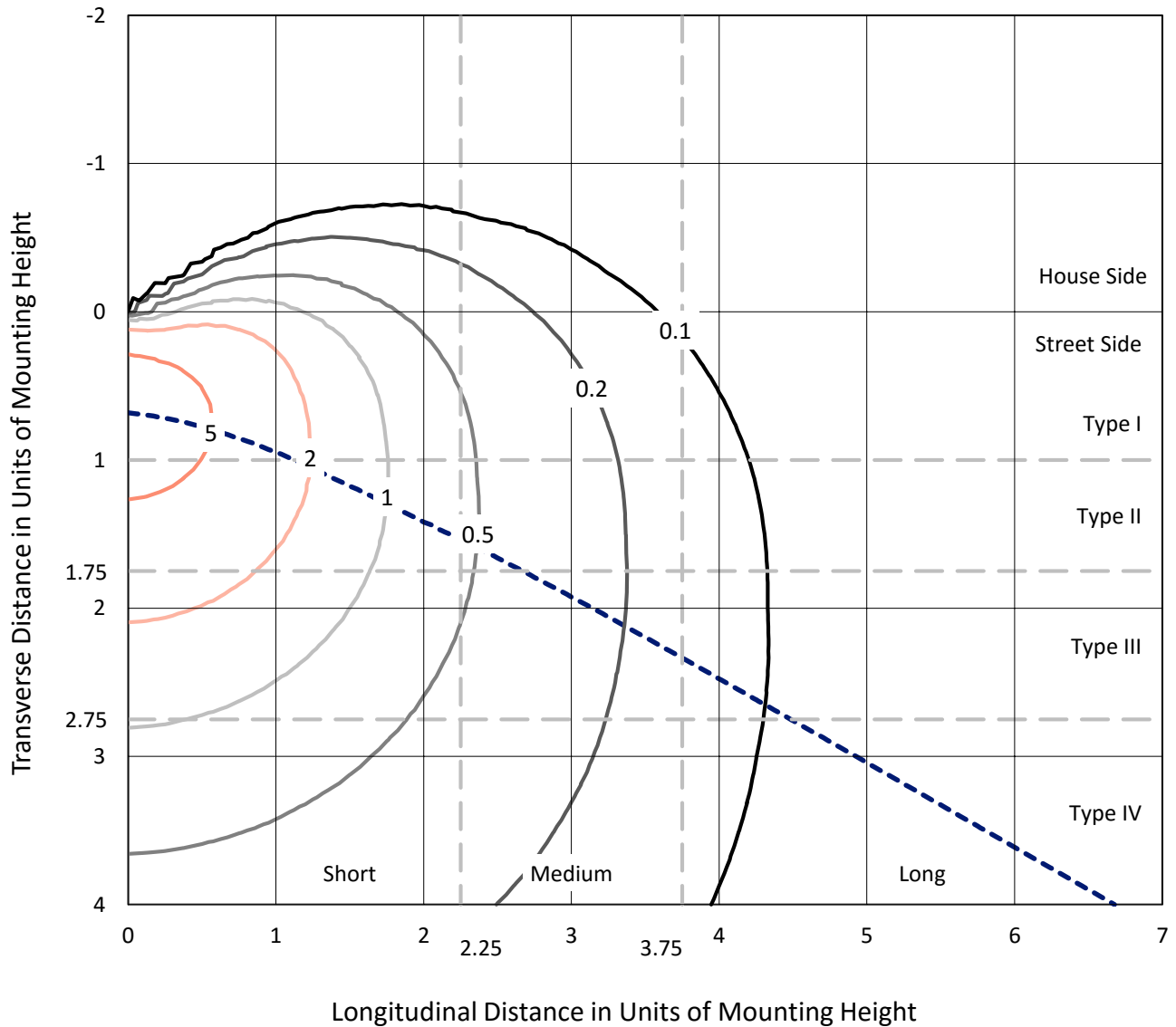
Lumens per Lamp: N/A
Luminaire Lumens: 3206.4 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.71' x L: 0.21' x H: 4.58')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B0 - U5 - G3

Input Watts (W): 42.7
Input Voltage (V): 120
Input Current (A_{in}): 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

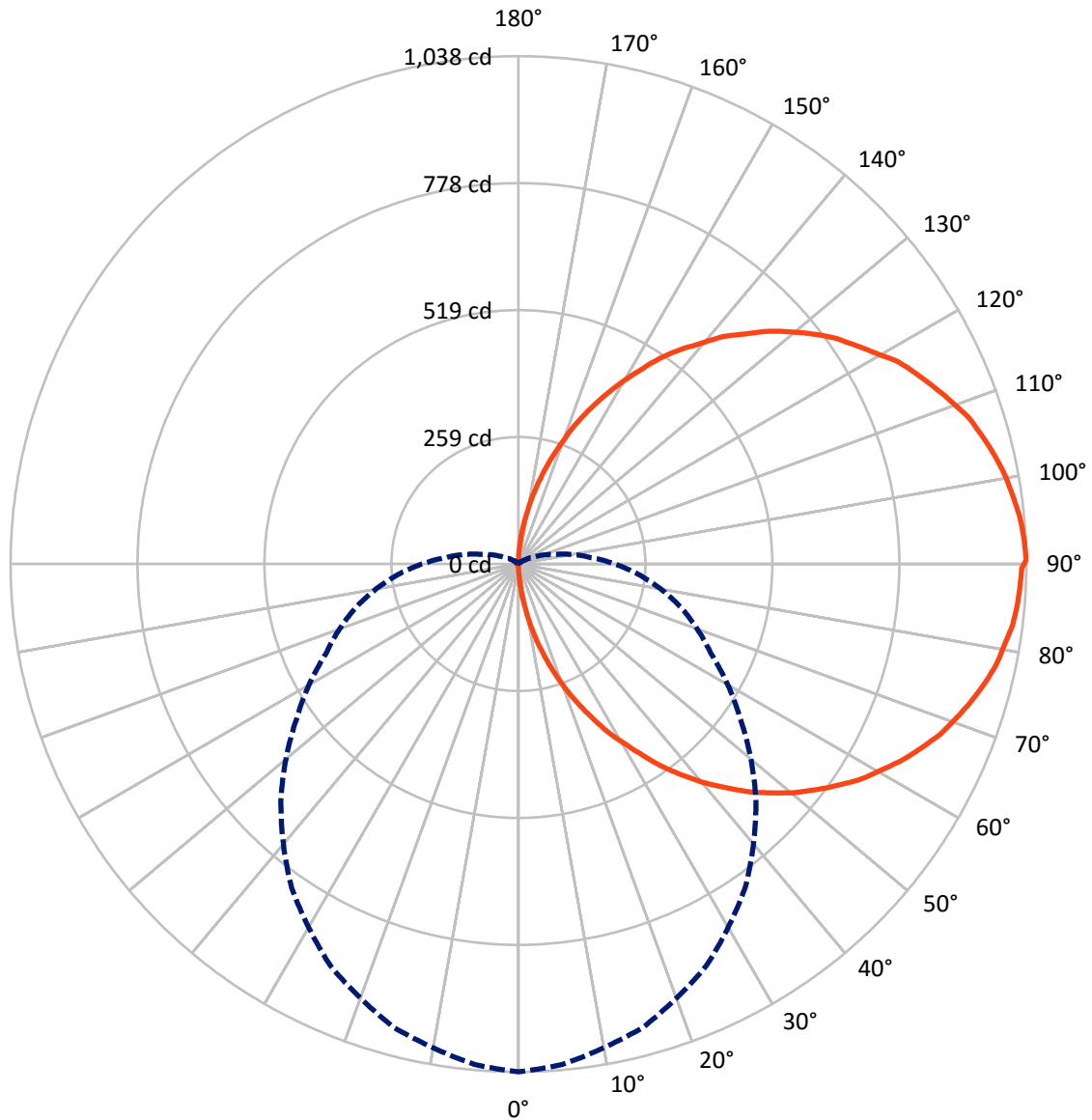
× Max cd
 - - - 1/2 Max cd



Based on 6 foot mounting height. Maximum calculated value = 7.8 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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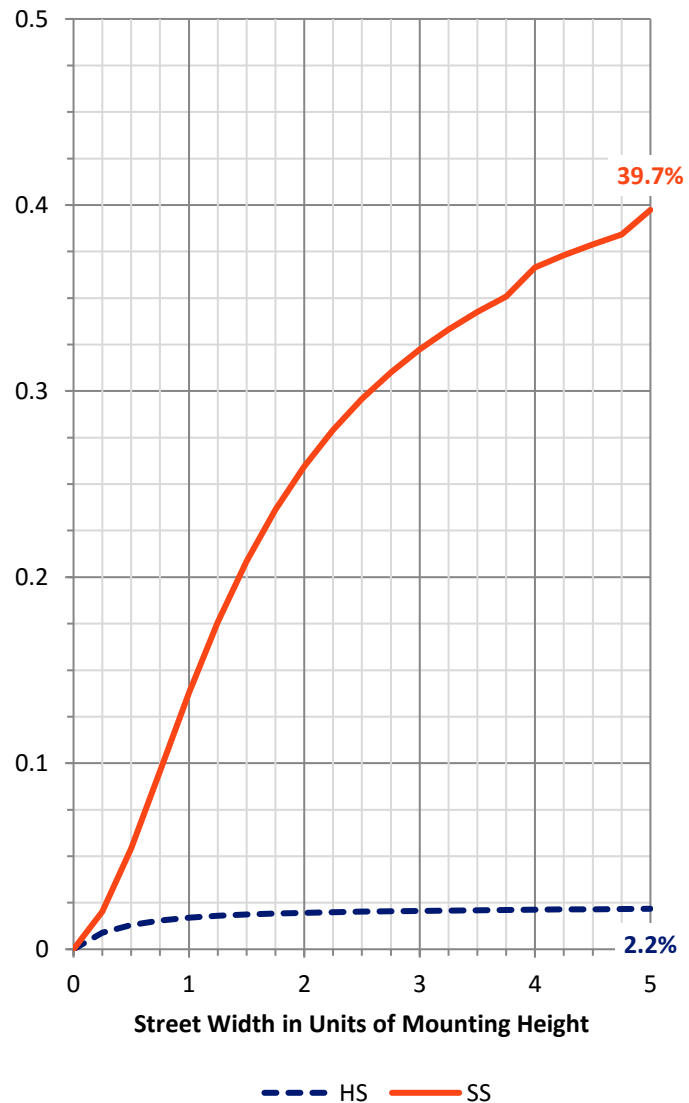
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.7	72.6	146.3
	% Fixture	2.3	2.3	4.6
Street Side	Lumens	1532.0	1528.1	3060.1
	% Fixture	47.8	47.7	95.4
Total	Lumens	1605.7	1600.7	3206.4
	% Fixture	50.1	49.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	18.5	0.6
20°-30°	53.2	1.7
30°-40°	105.1	3.3
40°-50°	169.4	5.3
50°-60°	236.8	7.4
60°-70°	298.9	9.3
70°-80°	347.4	10.8
80°-90°	374.2	11.7
90°-100°	375.7	11.7
100°-110°	347.0	10.8
110°-120°	297.7	9.3
120°-130°	235.1	7.3
130°-140°	168.0	5.2
140°-150°	104.4	3.3
150°-160°	52.6	1.6
160°-170°	17.9	0.6
170°-180°	2.2	0.1
0°-90°	1605.7	50.1
0°-180°	3206.4	100.0



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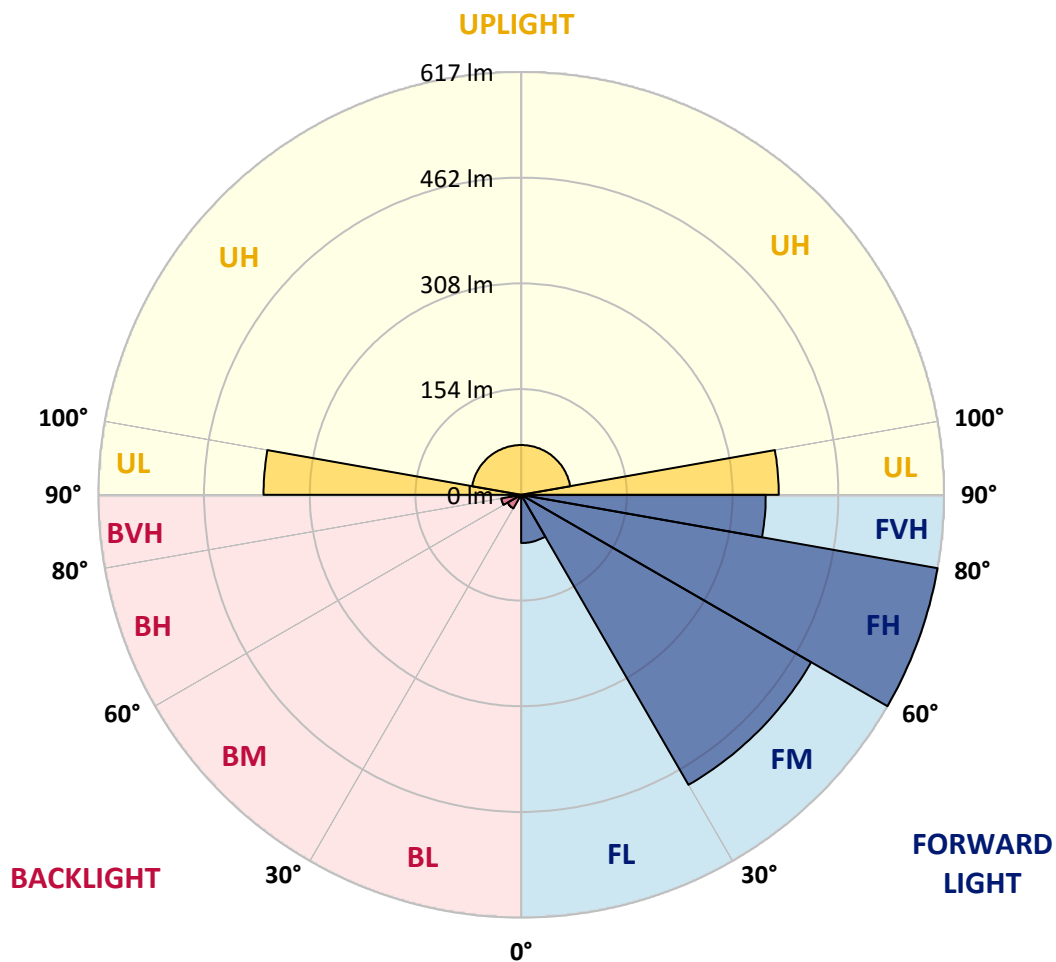
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.3	2.2			
FM (30°-60°)	488.3	15.2			
FH (60°-80°)	616.7	19.2			G0/660
FVH (80°-90°)	356.7	11.1			G3/500
BL (0°-30°)	3.6	0.1	B0/110		
BM (30°-60°)	22.9	0.7	B0/220		
BH (60°-80°)	29.6	0.9	B0/110		G0/110
BVH (80°-90°)	17.5	0.5			G1/100
UL (90°-100°)	375.7	11.7		U3/500	
UH (100°-180°)	72.6	2.3		U3/500	

BUG Rating: B0-U5-G3

Type Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	20.2	16.6	16.6	16.6	12.9	12.9	11.0	9.2	7.4	5.5	5.5
5°	49.7	47.8	46.0	44.2	36.8	31.3	25.8	20.2	16.6	11.0	9.2
7.5°	81.0	79.1	75.4	71.8	60.7	51.5	42.3	33.1	27.6	18.4	14.7
10°	115.9	112.2	108.6	99.4	86.5	73.6	58.9	46.0	36.8	25.8	22.1
12.5°	152.7	149.1	143.5	132.5	114.1	97.5	77.3	60.7	47.8	35.0	27.6
15°	189.5	187.7	178.5	163.8	143.5	121.4	95.7	75.4	58.9	42.3	35.0
17.5°	230.0	224.5	215.3	196.9	173.0	145.4	115.9	90.2	71.8	51.5	40.5
20°	268.7	263.1	252.1	230.0	202.4	169.3	134.3	106.7	82.8	58.9	47.8
22.5°	307.3	301.8	288.9	263.1	231.9	195.1	154.6	121.4	95.7	68.1	55.2
25°	345.9	342.3	325.7	296.3	261.3	219.0	174.8	138.0	108.6	77.3	62.6
27.5°	388.3	380.9	362.5	331.2	292.6	246.6	196.9	154.6	121.4	86.5	69.9
30°	425.1	423.2	403.0	366.2	323.9	272.3	215.3	171.1	134.3	95.7	75.4
32.5°	465.6	461.9	438.0	401.2	353.3	298.1	235.5	187.7	147.2	104.9	82.8
35°	509.7	504.2	480.3	436.1	384.6	323.9	257.6	204.3	160.1	114.1	92.0
37.5°	548.4	544.7	518.9	471.1	415.9	349.6	277.9	220.8	173.0	123.3	99.4
40°	588.8	583.3	553.9	507.9	445.3	375.4	299.9	237.4	185.9	132.5	106.7
42.5°	625.7	620.1	590.7	541.0	476.6	399.3	320.2	252.1	198.7	141.7	114.1
45°	664.3	656.9	627.5	574.1	507.9	425.1	340.4	268.7	211.6	150.9	121.4
47.5°	699.3	691.9	660.6	605.4	535.5	449.0	358.8	283.4	224.5	160.1	127.0
50°	734.2	726.9	691.9	634.9	563.1	474.8	377.2	299.9	235.5	169.3	134.3
52.5°	765.5	758.1	721.3	662.5	588.8	496.8	393.8	312.8	246.6	176.7	139.9
55°	796.8	789.4	752.6	690.1	614.6	518.9	412.2	327.5	257.6	184.0	147.2
57.5°	828.1	818.9	778.4	717.7	636.7	539.2	428.8	340.4	266.8	191.4	152.7
60°	853.8	846.5	806.0	741.6	658.8	557.6	443.5	351.5	277.9	198.7	158.3
62.5°	881.4	872.2	831.7	765.5	679.0	577.8	458.2	362.5	287.1	206.1	163.8
65°	905.4	896.2	853.8	785.7	699.3	592.5	474.8	375.4	296.3	211.6	169.3
67.5°	929.3	918.2	875.9	807.8	717.7	609.1	487.6	384.6	303.6	217.1	173.0
70°	947.7	938.5	894.3	826.2	734.2	623.8	502.4	393.8	311.0	222.7	178.5
72.5°	966.1	956.9	910.9	842.8	748.9	636.7	513.4	403.0	318.3	228.2	182.2
75°	982.6	973.4	927.4	857.5	763.7	647.7	522.6	410.4	323.9	231.9	185.9
77.5°	997.4	986.3	942.2	870.4	772.9	658.8	530.0	415.9	329.4	235.5	189.5
80°	1006.6	997.4	951.4	879.6	782.1	664.3	535.5	421.4	333.1	239.2	191.4
82.5°	1017.6	1006.6	960.6	887.0	791.3	671.7	541.0	425.1	336.7	241.1	193.2
85°	1023.1	1012.1	966.1	894.3	796.8	677.2	546.5	428.8	338.6	242.9	195.1
87.5°	1026.8	1015.8	971.6	898.0	800.5	680.9	548.4	430.6	340.4	244.7	195.1
89°	1028.6	1017.6	971.6	898.0	800.5	680.9	548.4	430.6	340.4	244.7	196.9
90°	1037.8	1026.8	980.8	907.2	807.8	686.4	553.9	434.3	344.1	246.6	196.9
92.5°	1034.2	1025.0	977.1	905.4	806.0	684.5	552.0	432.4	342.3	244.7	196.9
95°	1028.6	1019.4	971.6	899.8	800.5	680.9	548.4	428.8	340.4	242.9	195.1
97.5°	1019.4	1010.2	964.2	890.6	793.1	673.5	542.8	425.1	336.7	241.1	193.2
100°	1010.2	1001.0	955.0	883.3	785.7	668.0	537.3	421.4	333.1	239.2	191.4
102.5°	997.4	990.0	944.0	872.2	774.7	658.8	530.0	415.9	327.5	235.5	187.7
105°	982.6	973.4	927.4	857.5	761.8	647.7	520.8	408.5	323.9	231.9	184.0
107.5°	967.9	956.9	910.9	840.9	748.9	634.9	511.6	401.2	316.5	226.3	180.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	945.8	938.5	892.5	824.4	732.4	622.0	500.5	392.0	309.1	220.8	176.7
112.5°	923.8	916.4	874.1	806.0	715.8	607.2	489.5	382.8	301.8	215.3	173.0
115°	901.7	894.3	852.0	785.7	697.4	590.7	472.9	371.7	292.6	209.8	167.5
117.5°	879.6	870.4	828.1	763.7	677.2	574.1	456.4	360.7	285.2	204.3	161.9
120°	848.3	842.8	802.3	739.7	655.1	555.7	441.6	347.8	274.2	196.9	156.4
122.5°	820.7	815.2	774.7	714.0	633.0	535.5	426.9	336.7	265.0	189.5	150.9
125°	794.9	785.7	747.1	688.2	609.1	515.2	410.4	322.0	255.8	182.2	145.4
127.5°	763.7	754.5	717.7	660.6	585.2	495.0	392.0	309.1	244.7	173.0	139.9
130°	730.5	723.2	686.4	631.2	557.6	467.4	375.4	294.4	233.7	165.6	132.5
132.5°	697.4	690.1	655.1	601.7	531.8	445.3	357.0	279.7	220.8	158.3	125.1
135°	658.8	655.1	622.0	570.4	504.2	421.4	336.7	265.0	209.8	149.1	119.6
137.5°	625.7	618.3	587.0	539.2	471.1	397.5	318.3	250.3	196.9	139.9	112.2
140°	583.3	581.5	550.2	506.0	441.6	371.7	298.1	233.7	184.0	130.7	104.9
142.5°	548.4	542.8	515.2	467.4	412.2	345.9	277.9	219.0	171.1	121.4	97.5
145°	509.7	504.2	474.8	432.4	382.8	322.0	255.8	202.4	158.3	112.2	90.2
147.5°	465.6	460.0	438.0	399.3	351.5	296.3	235.5	185.9	145.4	103.0	82.8
150°	425.1	421.4	397.5	364.3	322.0	270.5	215.3	169.3	132.5	93.8	75.4
152.5°	384.6	380.9	362.5	329.4	290.7	242.9	195.1	152.7	119.6	84.6	68.1
155°	344.1	340.4	323.9	294.4	259.5	217.1	174.8	136.2	106.7	75.4	60.7
157.5°	303.6	299.9	285.2	259.5	228.2	191.4	152.7	119.6	93.8	66.2	53.4
160°	259.5	261.3	246.6	224.5	198.7	167.5	132.5	104.9	81.0	58.9	46.0
162.5°	220.8	220.8	209.8	191.4	169.3	141.7	112.2	88.3	69.9	49.7	40.5
165°	180.3	182.2	171.1	156.4	138.0	117.8	92.0	73.6	57.0	40.5	33.1
167.5°	143.5	145.4	136.2	125.1	110.4	93.8	75.4	58.9	46.0	33.1	27.6
170°	106.7	108.6	101.2	93.8	82.8	69.9	57.0	46.0	35.0	25.8	20.2
172.5°	73.6	75.4	69.9	64.4	57.0	49.7	40.5	31.3	25.8	18.4	14.7
175°	42.3	44.2	40.5	36.8	33.1	29.4	23.9	18.4	14.7	11.0	9.2
177.5°	12.9	12.9	12.9	11.0	11.0	9.2	9.2	7.4	7.4	5.5	5.5
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.5	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
5°	7.4	5.5	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
7.5°	12.9	7.4	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
10°	16.6	9.2	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
12.5°	22.1	12.9	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
15°	25.8	14.7	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
17.5°	31.3	16.6	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
20°	36.8	18.4	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
22.5°	42.3	22.1	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
25°	47.8	23.9	11.0	3.7	1.8	1.8	1.8	0.0	0.0	0.0
27.5°	53.4	27.6	11.0	3.7	1.8	1.8	1.8	0.0	0.0	0.0
30°	58.9	29.4	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
32.5°	64.4	33.1	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
35°	69.9	35.0	14.7	5.5	1.8	1.8	1.8	0.0	0.0	0.0
37.5°	75.4	38.6	16.6	5.5	1.8	1.8	0.0	0.0	0.0	0.0
40°	81.0	40.5	16.6	5.5	1.8	1.8	0.0	0.0	0.0	0.0
42.5°	86.5	44.2	18.4	5.5	1.8	1.8	1.8	0.0	0.0	0.0
45°	92.0	46.0	18.4	5.5	1.8	1.8	1.8	0.0	0.0	0.0
47.5°	97.5	49.7	20.2	5.5	1.8	1.8	1.8	0.0	0.0	0.0
50°	101.2	51.5	22.1	7.4	1.8	1.8	1.8	0.0	0.0	0.0
52.5°	106.7	53.4	22.1	7.4	1.8	1.8	1.8	0.0	0.0	0.0
55°	110.4	57.0	23.9	7.4	1.8	1.8	1.8	0.0	0.0	0.0
57.5°	115.9	58.9	23.9	7.4	1.8	1.8	1.8	0.0	0.0	0.0
60°	119.6	60.7	25.8	7.4	1.8	1.8	1.8	1.8	0.0	1.8
62.5°	125.1	62.6	25.8	7.4	1.8	1.8	1.8	1.8	1.8	1.8
65°	128.8	64.4	25.8	9.2	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	132.5	66.2	27.6	9.2	1.8	1.8	1.8	1.8	1.8	1.8
70°	134.3	68.1	27.6	9.2	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	138.0	69.9	29.4	9.2	1.8	1.8	1.8	1.8	1.8	1.8
75°	141.7	71.8	29.4	9.2	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	143.5	73.6	29.4	9.2	3.7	1.8	1.8	1.8	1.8	1.8
80°	145.4	73.6	31.3	9.2	3.7	1.8	1.8	1.8	1.8	1.8
82.5°	147.2	75.4	31.3	11.0	3.7	1.8	1.8	1.8	1.8	1.8
85°	147.2	75.4	31.3	11.0	3.7	1.8	1.8	1.8	1.8	1.8
87.5°	149.1	75.4	31.3	11.0	3.7	3.7	1.8	1.8	1.8	1.8
89°	149.1	75.4	31.3	11.0	3.7	3.7	3.7	3.7	3.7	3.7
90°	149.1	75.4	31.3	11.0	3.7	3.7	3.7	3.7	1.8	1.8
92.5°	149.1	75.4	31.3	11.0	3.7	3.7	1.8	1.8	1.8	1.8
95°	147.2	75.4	31.3	9.2	3.7	1.8	1.8	1.8	1.8	1.8
97.5°	147.2	73.6	29.4	9.2	3.7	1.8	1.8	1.8	1.8	1.8
100°	145.4	73.6	29.4	9.2	3.7	1.8	1.8	1.8	1.8	1.8
102.5°	141.7	71.8	29.4	9.2	1.8	1.8	1.8	1.8	1.8	1.8
105°	139.9	69.9	29.4	9.2	1.8	1.8	1.8	1.8	1.8	1.8
107.5°	136.2	68.1	27.6	9.2	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	134.3	68.1	27.6	9.2	1.8	1.8	1.8	1.8	1.8	1.8
112.5°	130.7	66.2	25.8	9.2	1.8	1.8	1.8	1.8	1.8	1.8
115°	127.0	64.4	25.8	7.4	1.8	1.8	1.8	1.8	1.8	1.8
117.5°	123.3	60.7	25.8	7.4	1.8	1.8	1.8	1.8	1.8	1.8
120°	117.8	58.9	23.9	7.4	1.8	1.8	1.8	1.8	0.0	0.0
122.5°	114.1	57.0	23.9	7.4	1.8	1.8	1.8	1.8	0.0	0.0
125°	110.4	55.2	22.1	7.4	1.8	1.8	1.8	0.0	0.0	0.0
127.5°	104.9	53.4	22.1	7.4	1.8	1.8	1.8	0.0	0.0	0.0
130°	99.4	49.7	20.2	5.5	1.8	1.8	1.8	0.0	0.0	0.0
132.5°	95.7	47.8	18.4	5.5	1.8	1.8	1.8	0.0	0.0	0.0
135°	90.2	46.0	18.4	5.5	1.8	1.8	1.8	0.0	0.0	0.0
137.5°	84.6	42.3	16.6	5.5	1.8	1.8	1.8	0.0	0.0	0.0
140°	79.1	40.5	16.6	5.5	1.8	1.8	1.8	0.0	0.0	0.0
142.5°	73.6	36.8	14.7	5.5	1.8	1.8	1.8	0.0	0.0	0.0
145°	68.1	35.0	14.7	3.7	1.8	1.8	1.8	0.0	0.0	0.0
147.5°	62.6	31.3	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
150°	57.0	29.4	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
152.5°	51.5	27.6	11.0	3.7	1.8	1.8	1.8	0.0	0.0	0.0
155°	46.0	23.9	11.0	3.7	1.8	1.8	1.8	0.0	0.0	0.0
157.5°	40.5	22.1	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
160°	35.0	18.4	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
162.5°	31.3	16.6	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
165°	25.8	12.9	7.4	3.7	3.7	1.8	1.8	0.0	0.0	0.0
167.5°	20.2	11.0	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
170°	16.6	9.2	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
172.5°	11.0	7.4	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
175°	7.4	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
177.5°	5.5	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)