

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: P694693

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-827-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2036 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B1 - U3 - G2

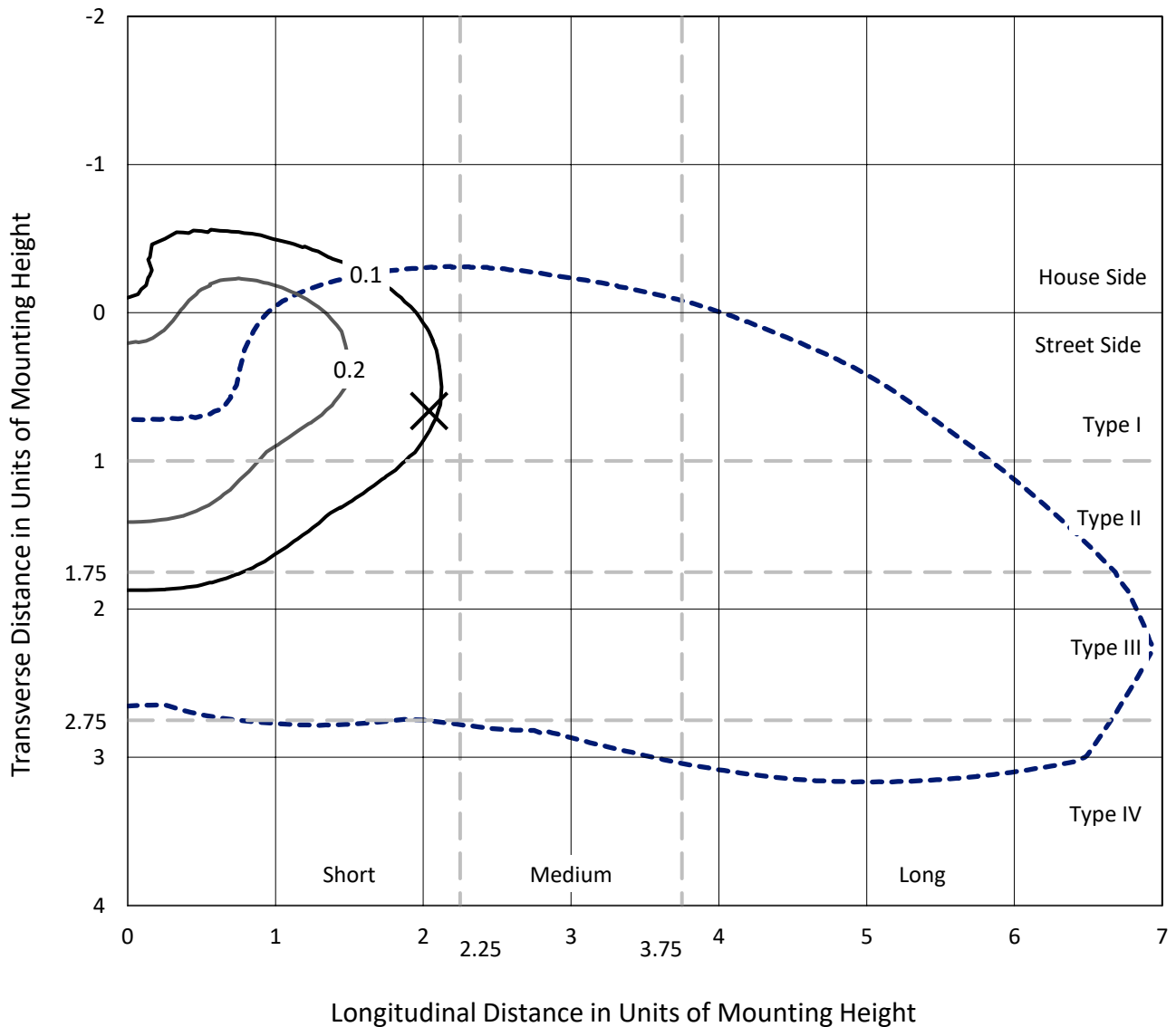
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

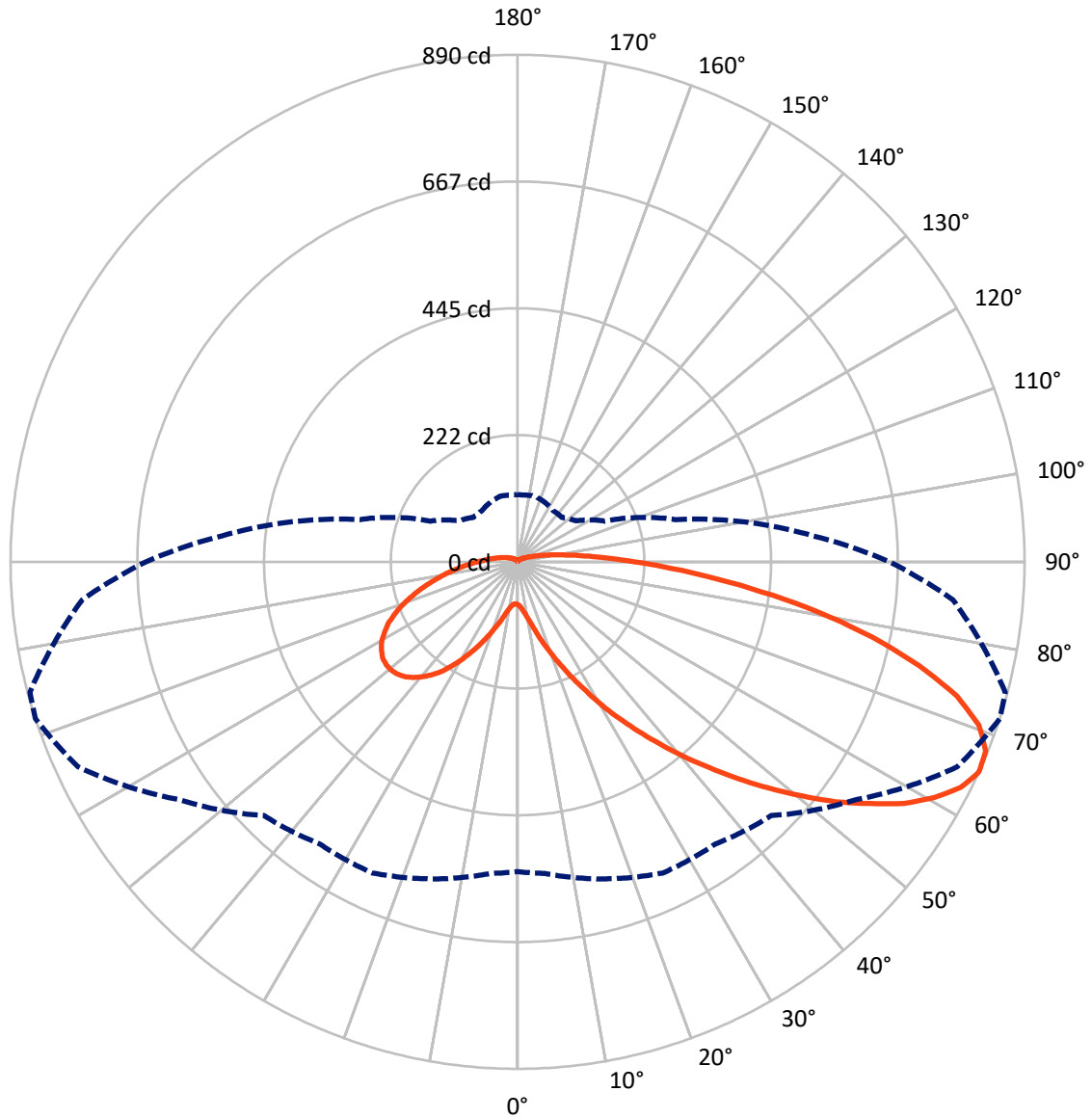
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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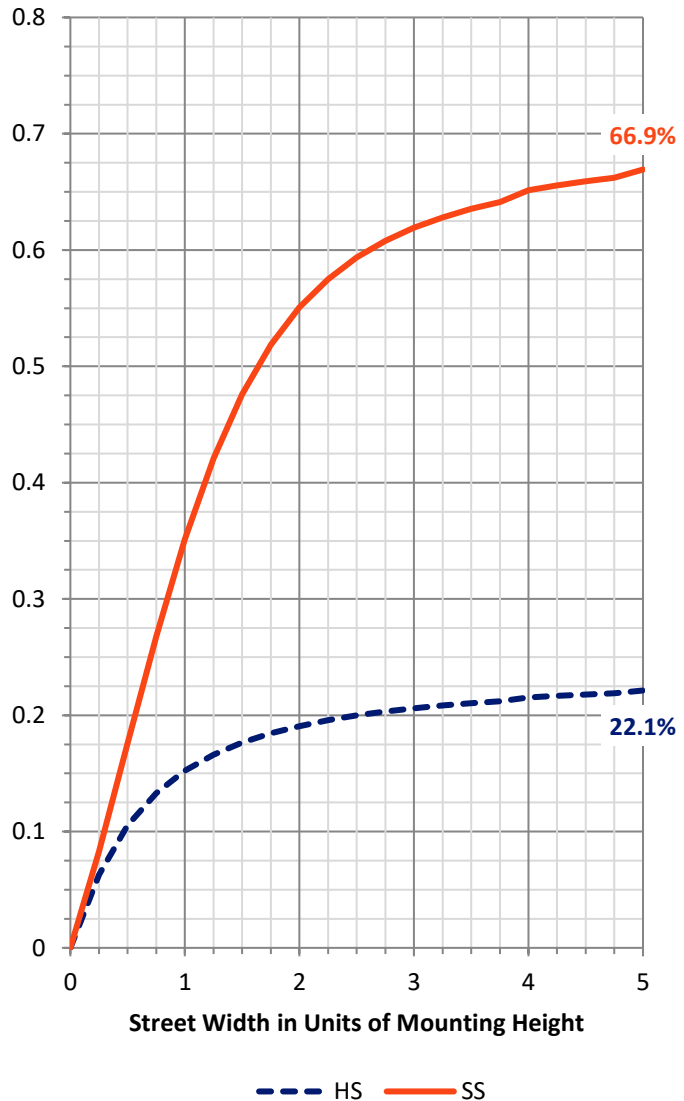
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	475.8	60.2	536.0
	% Fixture	23.4	3.0	26.3
<b>Street Side</b>	Lumens	1414.9	85.2	1500.0
	% Fixture	69.5	4.2	73.7
<b>Total</b>	Lumens	1890.7	145.3	2036.0
	% Fixture	92.9	7.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	0.4
10°-20°	33.1	1.6
20°-30°	85.3	4.2
30°-40°	169.6	8.3
40°-50°	276.2	13.6
50°-60°	382.3	18.8
60°-70°	427.1	21.0
70°-80°	334.4	16.4
80°-90°	174.9	8.6
90°-100°	76.1	3.7
100°-110°	35.1	1.7
110°-120°	17.9	0.9
120°-130°	9.6	0.5
130°-140°	4.8	0.2
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1890.7	92.9
0°-180°	2036.0	100.0

**Coefficient of Utilization**



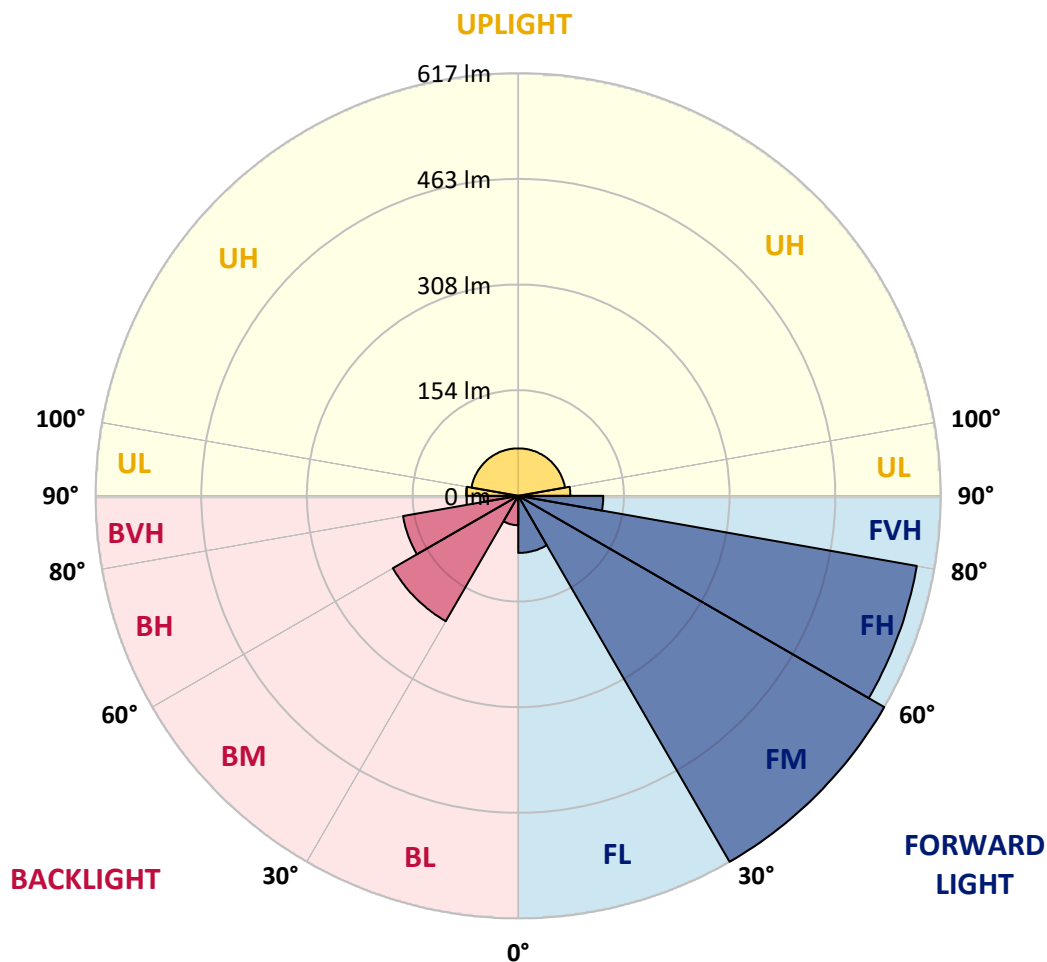
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.4	4.1			
FM (30°-60°)	616.7	30.3			
FH (60°-80°)	590.7	29.0			G0/660
FVH (80°-90°)	124.1	6.1			G2/225
BL (0°-30°)	42.9	2.1	B0/110		
BM (30°-60°)	211.3	10.4	B0/220		
BH (60°-80°)	170.8	8.4	B1/500		G1/500
BVH (80°-90°)	50.8	2.5			G1/100
UL (90°-100°)	76.1	3.7		U3/500	
UH (100°-180°)	69.3	3.4		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2.5°	81.4	82.2	82.2	81.4	81.4	80.7	79.9	78.4	77.7	77.7	76.1
5°	92.0	92.7	92.0	91.2	90.5	88.2	87.5	85.2	83.7	82.9	79.9
7.5°	105.5	105.5	104.8	103.3	101.8	100.3	96.5	93.5	91.2	89.7	85.9
10°	119.9	119.9	119.1	118.4	116.1	112.3	108.6	104.8	101.0	100.3	95.0
12.5°	139.5	138.0	136.5	134.2	131.9	128.2	122.9	118.4	114.6	113.8	107.8
15°	159.1	159.8	156.8	153.0	150.0	145.5	141.0	137.2	132.7	131.2	122.9
17.5°	181.7	182.4	180.2	177.2	171.9	167.4	161.3	156.1	153.0	150.0	140.2
20°	209.6	209.6	207.3	201.3	196.0	190.7	185.5	179.4	174.1	171.9	161.3
22.5°	239.0	238.2	235.2	227.7	220.9	214.1	209.6	203.6	199.8	196.8	184.7
25°	274.4	272.2	267.6	258.6	249.5	241.2	234.5	232.2	226.9	223.9	212.6
27.5°	309.1	310.6	303.1	291.0	278.2	269.9	263.9	260.8	257.1	255.6	241.2
30°	352.1	349.1	340.8	325.7	307.6	296.3	293.3	292.5	292.5	289.5	274.4
32.5°	392.0	389.0	380.0	361.9	340.0	325.7	323.4	325.7	327.2	326.4	307.6
35°	432.7	429.7	419.2	399.6	370.2	353.6	353.6	362.6	364.9	363.4	344.5
37.5°	471.2	469.7	459.1	432.7	404.8	384.5	387.5	401.8	405.6	404.8	380.7
40°	508.1	508.1	497.6	468.9	435.0	414.6	419.9	441.8	449.3	448.6	422.2
42.5°	545.8	544.3	534.5	506.6	467.4	444.8	454.6	481.7	493.8	495.3	463.6
45°	578.2	576.7	569.2	538.3	499.1	475.7	490.0	527.0	542.8	542.1	504.4
47.5°	606.1	605.4	600.1	571.5	530.0	508.1	528.5	573.7	593.3	593.3	550.3
50°	628.7	629.5	625.7	602.4	558.6	539.0	566.9	621.2	645.3	645.3	594.1
52.5°	643.1	644.6	646.1	624.2	585.8	567.7	603.9	671.0	699.6	698.9	638.5
55°	647.6	649.1	656.6	643.1	607.6	594.1	640.8	719.2	748.6	746.4	679.3
57.5°	640.1	643.1	655.9	651.4	622.7	615.2	671.7	760.7	799.9	797.6	717.0
60°	621.2	625.0	643.1	648.4	628.7	629.5	700.4	802.1	839.8	838.3	746.4
62.5°	588.0	594.1	617.4	631.8	623.5	635.5	719.2	833.8	872.3	870.0	763.7
65°	543.6	548.8	576.0	602.4	604.6	629.5	726.8	851.1	889.6	885.8	766.7
67.5°	490.8	488.5	523.2	557.1	570.7	607.6	717.0	848.9	885.8	879.0	747.9
70°	426.0	426.0	461.4	495.3	524.0	573.7	689.8	824.8	858.7	848.9	711.7
72.5°	349.8	358.1	389.0	429.0	464.4	524.7	647.6	777.3	805.9	794.6	650.6
75°	286.5	293.3	320.4	360.4	401.1	468.2	585.0	708.7	727.5	716.2	576.0
77.5°	229.9	233.0	262.4	296.3	338.5	399.6	510.4	622.7	636.3	624.2	491.5
80°	177.2	184.7	205.1	237.5	278.2	337.7	432.7	522.4	535.3	521.7	401.8
82.5°	139.5	141.7	160.6	191.5	226.2	276.7	355.8	424.4	430.5	414.6	324.2
85°	107.8	109.3	125.1	151.5	181.7	222.4	284.2	334.0	335.5	326.4	253.3
87.5°	82.2	85.2	99.5	120.6	146.3	181.7	223.9	258.6	256.3	249.5	197.5
90°	64.8	66.3	76.9	95.7	116.9	143.2	174.9	197.5	193.0	190.0	149.3
92.5°	51.3	52.0	63.3	77.7	95.0	116.1	137.2	152.3	146.3	144.0	113.8
95°	40.7	42.2	50.5	63.3	77.7	93.5	107.8	115.3	111.6	107.8	88.2
97.5°	33.2	33.9	41.5	52.0	64.1	76.1	85.9	89.0	85.2	83.7	68.6
100°	27.9	27.9	34.7	43.7	52.8	62.6	68.6	70.1	67.1	63.3	52.8
102.5°	23.4	23.4	28.6	36.9	45.2	52.0	55.8	55.8	52.0	49.8	42.2
105°	19.6	20.4	24.1	31.7	38.4	43.7	46.7	44.5	41.5	40.0	33.9
107.5°	17.3	17.3	21.1	27.1	33.2	36.9	38.4	36.2	33.2	30.9	27.1
110°	15.8	15.8	18.1	23.4	28.6	32.4	32.4	30.2	26.4	24.9	22.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.6	14.3	15.8	20.4	24.9	27.9	27.9	24.9	21.9	20.4	18.8
115°	12.8	12.8	14.3	18.1	21.9	24.1	24.1	21.1	18.1	17.3	15.8
117.5°	11.3	11.3	12.8	15.8	18.8	21.1	20.4	18.1	15.1	14.3	13.6
120°	10.6	10.6	11.3	13.6	16.6	18.1	17.3	15.1	12.8	12.1	12.1
122.5°	9.8	9.8	10.6	12.1	15.1	15.8	15.1	12.8	11.3	10.6	11.3
125°	9.0	9.0	9.8	11.3	12.8	13.6	12.8	10.6	9.8	9.8	9.8
127.5°	9.0	9.0	9.0	9.8	11.3	12.1	11.3	9.0	8.3	8.3	9.0
130°	8.3	8.3	8.3	9.0	9.8	10.6	9.0	7.5	7.5	7.5	7.5
132.5°	7.5	7.5	7.5	7.5	8.3	8.3	7.5	6.8	6.8	6.8	6.8
135°	6.8	6.8	6.8	6.8	6.8	6.8	6.0	5.3	6.0	6.0	6.0
137.5°	6.0	6.0	6.0	6.0	6.0	5.3	5.3	4.5	5.3	5.3	5.3
140°	5.3	5.3	5.3	5.3	4.5	4.5	3.8	3.8	3.8	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	3.8	3.0	3.0	3.0	3.8	3.8	3.8
145°	3.8	3.8	3.8	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3
150°	2.3	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2.5°	75.4	75.4	73.9	73.1	72.4	71.6	70.9	70.1	70.1	70.1	70.1
5°	79.2	76.9	74.6	72.4	70.1	68.6	66.3	65.6	64.8	64.1	64.1
7.5°	83.7	82.2	77.7	73.9	70.1	67.1	64.8	62.6	61.1	60.3	60.3
10°	92.0	89.0	83.7	77.7	72.4	67.9	64.1	61.1	59.6	58.8	58.8
12.5°	104.0	99.5	92.0	83.7	76.1	70.1	65.6	61.8	59.6	59.6	58.8
15°	118.4	113.1	103.3	92.7	82.2	73.9	68.6	65.6	63.3	62.6	62.6
17.5°	134.9	129.7	116.9	102.5	91.2	80.7	73.9	70.1	67.9	66.3	66.3
20°	155.3	147.8	131.2	114.6	99.5	89.7	79.9	75.4	72.4	70.9	70.1
22.5°	177.2	168.9	148.5	127.4	110.1	97.3	86.7	79.9	76.1	75.4	74.6
25°	203.6	191.5	166.6	141.0	120.6	104.8	92.7	84.4	81.4	79.9	79.9
27.5°	231.4	217.1	186.2	155.3	130.4	110.8	97.3	89.0	85.9	85.2	84.4
30°	260.8	244.3	206.6	171.1	139.5	116.9	102.5	94.2	90.5	89.7	89.7
32.5°	293.3	273.7	226.9	183.2	146.3	120.6	105.5	98.0	94.2	94.2	94.2
35°	324.9	302.3	248.0	196.0	152.3	123.6	108.6	101.8	98.0	98.8	98.8
37.5°	358.9	334.0	266.1	205.1	156.8	125.9	110.1	104.8	102.5	102.5	102.5
40°	395.8	360.4	282.7	211.8	158.3	126.7	111.6	107.1	105.5	105.5	106.3
42.5°	431.2	391.3	297.0	217.1	159.1	126.7	112.3	109.3	108.6	108.6	108.6
45°	466.7	418.4	309.9	218.6	158.3	125.9	113.1	110.8	110.8	110.8	110.8
47.5°	505.1	445.6	318.9	217.9	156.1	124.4	113.1	111.6	113.1	112.3	112.3
50°	539.0	471.2	324.9	215.6	153.0	122.9	112.3	113.1	114.6	113.8	113.8
52.5°	574.5	493.8	327.9	210.3	148.5	120.6	112.3	113.8	115.3	114.6	114.6
55°	606.1	513.4	327.9	204.3	144.7	119.1	112.3	114.6	116.9	116.1	116.1
57.5°	631.8	527.0	322.7	196.0	139.5	116.9	111.6	114.6	117.6	116.9	116.9
60°	651.4	534.5	315.1	187.7	134.9	114.6	110.8	114.6	118.4	116.9	117.6
62.5°	659.7	533.8	301.6	177.9	130.4	112.3	110.1	114.6	118.4	117.6	117.6
65°	652.1	520.9	286.5	168.9	125.1	110.1	109.3	114.6	119.1	117.6	117.6
67.5°	630.3	496.1	266.9	157.6	119.9	107.8	107.8	113.8	118.4	116.9	116.9
70°	590.3	459.9	244.3	147.8	114.6	104.8	105.5	111.6	116.1	116.1	115.3
72.5°	536.8	413.1	219.4	136.5	109.3	101.0	102.5	109.3	113.1	113.1	112.3
75°	474.2	358.9	194.5	125.9	103.3	97.3	98.8	104.8	109.3	108.6	107.8
77.5°	399.6	303.8	170.4	114.6	96.5	92.0	94.2	100.3	104.0	102.5	101.8
80°	331.0	255.6	148.5	103.3	89.7	86.7	89.0	93.5	96.5	95.7	95.0
82.5°	264.6	206.6	125.9	92.7	82.9	80.7	82.9	86.7	89.0	88.2	86.7
85°	205.8	167.4	107.8	82.2	75.4	73.9	76.1	79.2	80.7	79.2	78.4
87.5°	162.1	131.2	89.7	72.4	67.9	67.1	68.6	71.6	73.1	71.6	69.4
90°	126.7	105.5	76.1	64.1	61.1	61.1	61.8	64.1	64.1	62.6	61.8
92.5°	98.8	84.4	64.1	55.8	54.3	54.3	55.8	56.5	56.5	54.3	53.5
95°	77.7	67.9	54.3	49.0	48.2	48.2	49.8	49.8	49.0	46.7	46.0
97.5°	61.1	55.0	46.7	43.0	42.2	43.0	43.7	43.7	42.2	40.0	39.2
100°	49.0	45.2	39.2	37.7	37.7	38.4	38.4	37.7	36.2	33.9	33.9
102.5°	40.0	36.9	33.9	33.2	33.2	33.9	33.9	33.2	31.7	28.6	28.6
105°	32.4	30.2	28.6	28.6	29.4	29.4	29.4	28.6	26.4	24.1	24.1
107.5°	26.4	25.6	24.9	24.9	25.6	26.4	26.4	24.9	22.6	21.1	21.1
110°	21.9	21.9	21.9	21.9	22.6	23.4	23.4	21.9	19.6	18.1	18.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	18.1	18.8	19.6	20.4	21.1	20.4	18.8	16.6	15.8	15.8
115°	15.8	15.8	16.6	17.3	18.1	18.1	18.1	16.6	14.3	13.6	13.6
117.5°	14.3	14.3	14.3	15.1	15.8	16.6	15.8	14.3	12.1	12.1	12.1
120°	12.1	12.1	12.8	13.6	14.3	14.3	13.6	12.1	10.6	10.6	10.6
122.5°	11.3	11.3	11.3	12.1	12.8	12.8	12.1	10.6	9.0	9.8	9.8
125°	9.8	9.8	9.8	10.6	11.3	11.3	10.6	9.0	8.3	8.3	8.3
127.5°	9.0	9.0	9.0	9.0	9.8	9.8	9.0	8.3	7.5	7.5	7.5
130°	8.3	8.3	8.3	8.3	8.3	8.3	7.5	6.8	6.8	6.8	6.8
132.5°	6.8	6.8	6.8	6.8	7.5	7.5	6.8	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	6.0	6.0	5.3	5.3	5.3	5.3	5.3
137.5°	5.3	5.3	5.3	5.3	5.3	5.3	4.5	4.5	4.5	4.5	4.5
140°	4.5	4.5	4.5	4.5	4.5	3.8	3.8	3.8	3.8	4.5	4.5
142.5°	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.8	3.8	3.8
145°	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0	3.0
147.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	3.0	3.0
150°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)