

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: P694508

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-727-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2340 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

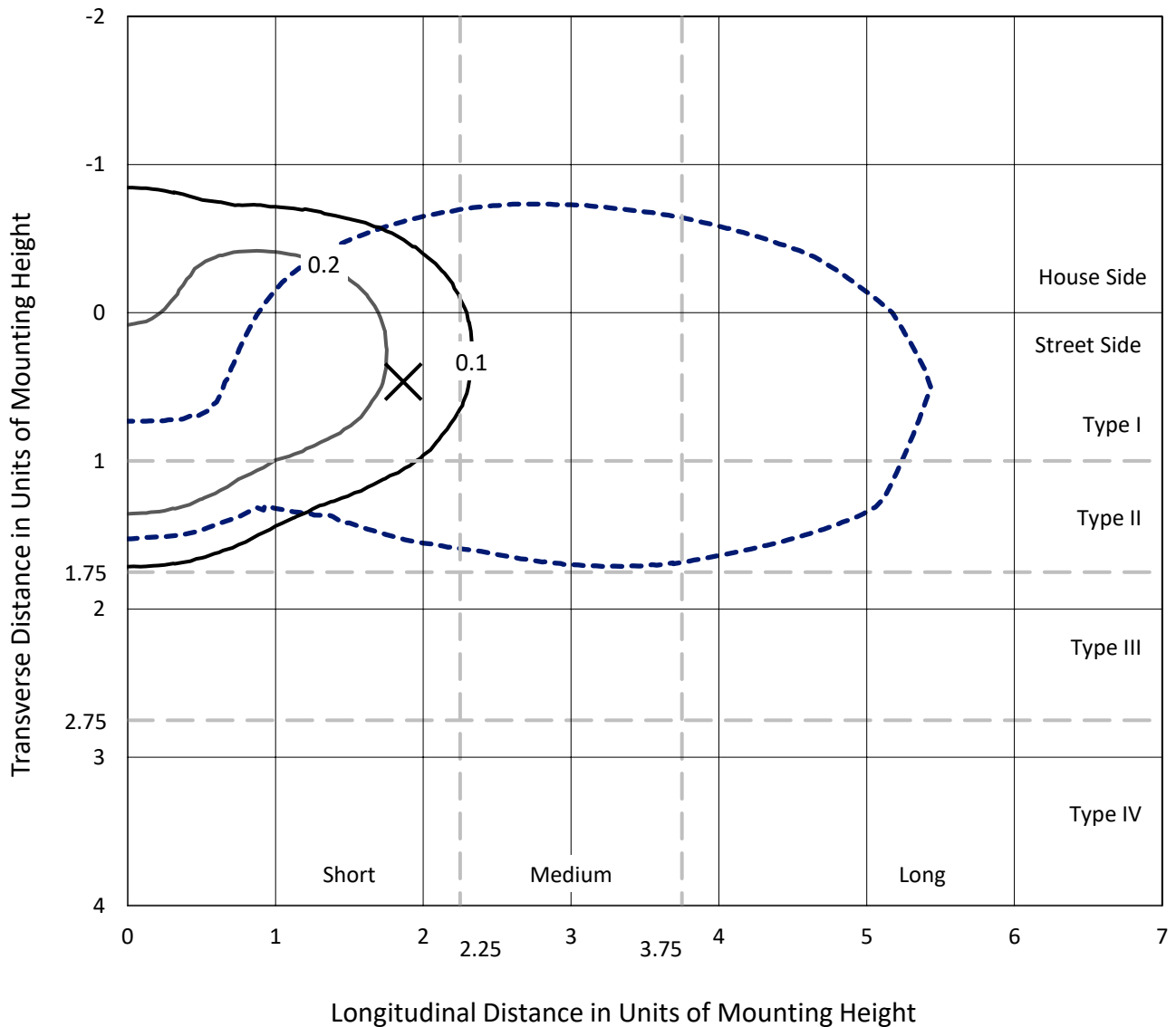
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

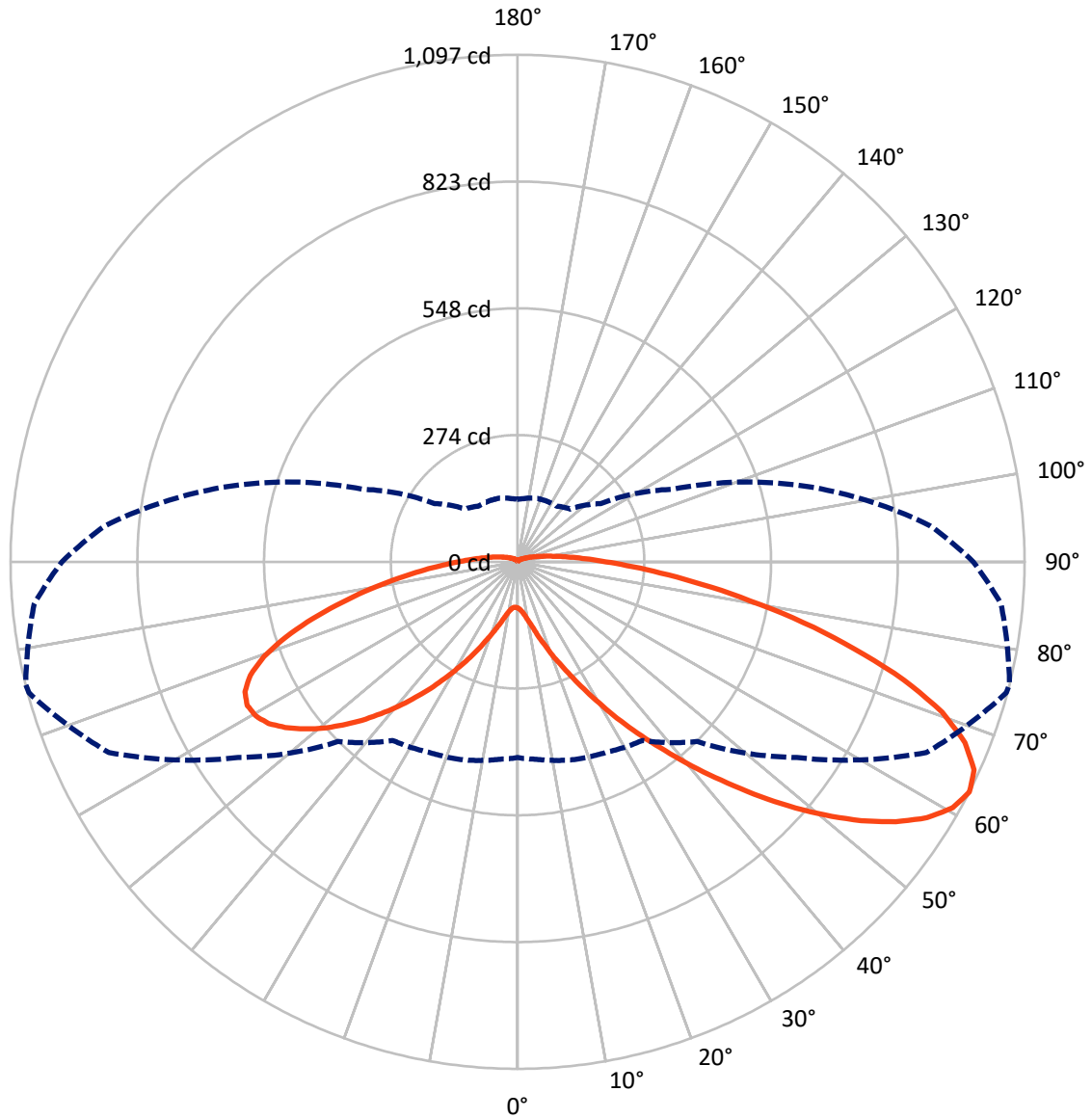
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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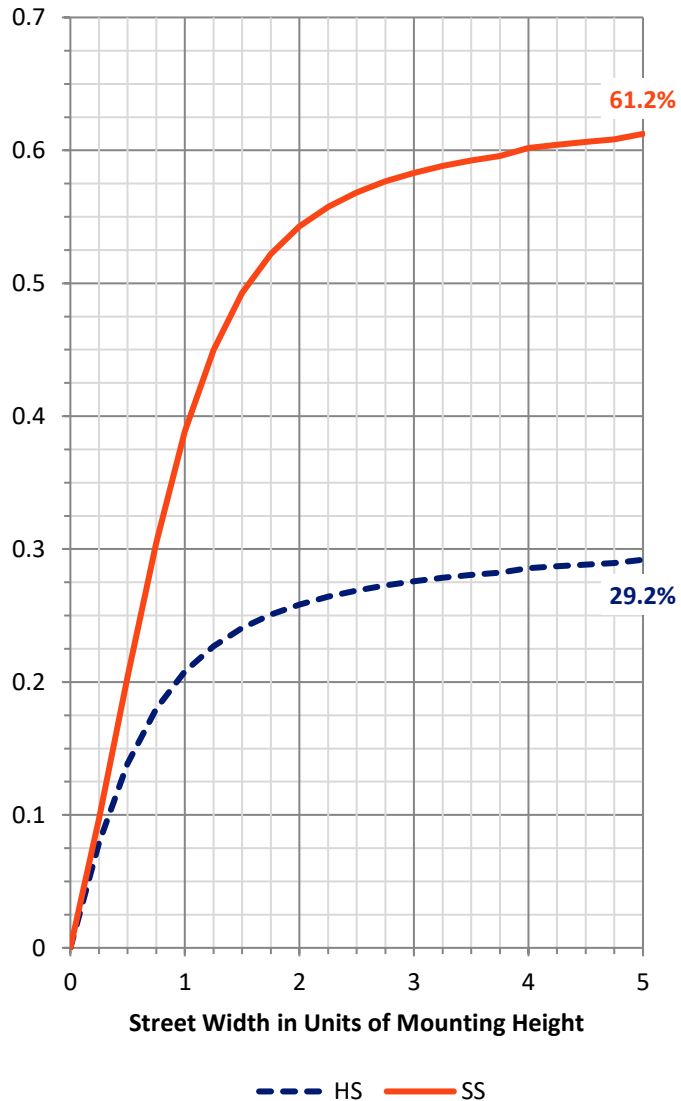
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	711.9	69.9	781.8
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	1472.6	85.6	1558.2
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	2184.5	155.5	2340.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.4
10°-20°	43.0	1.8
20°-30°	110.0	4.7
30°-40°	219.7	9.4
40°-50°	355.1	15.2
50°-60°	464.4	19.8
60°-70°	471.1	20.1
70°-80°	338.7	14.5
80°-90°	172.0	7.4
90°-100°	77.8	3.3
100°-110°	38.2	1.6
110°-120°	20.4	0.9
120°-130°	11.2	0.5
130°-140°	5.7	0.2
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2184.5	93.4
0°-180°	2340.0	100.0

**Coefficient of Utilization**

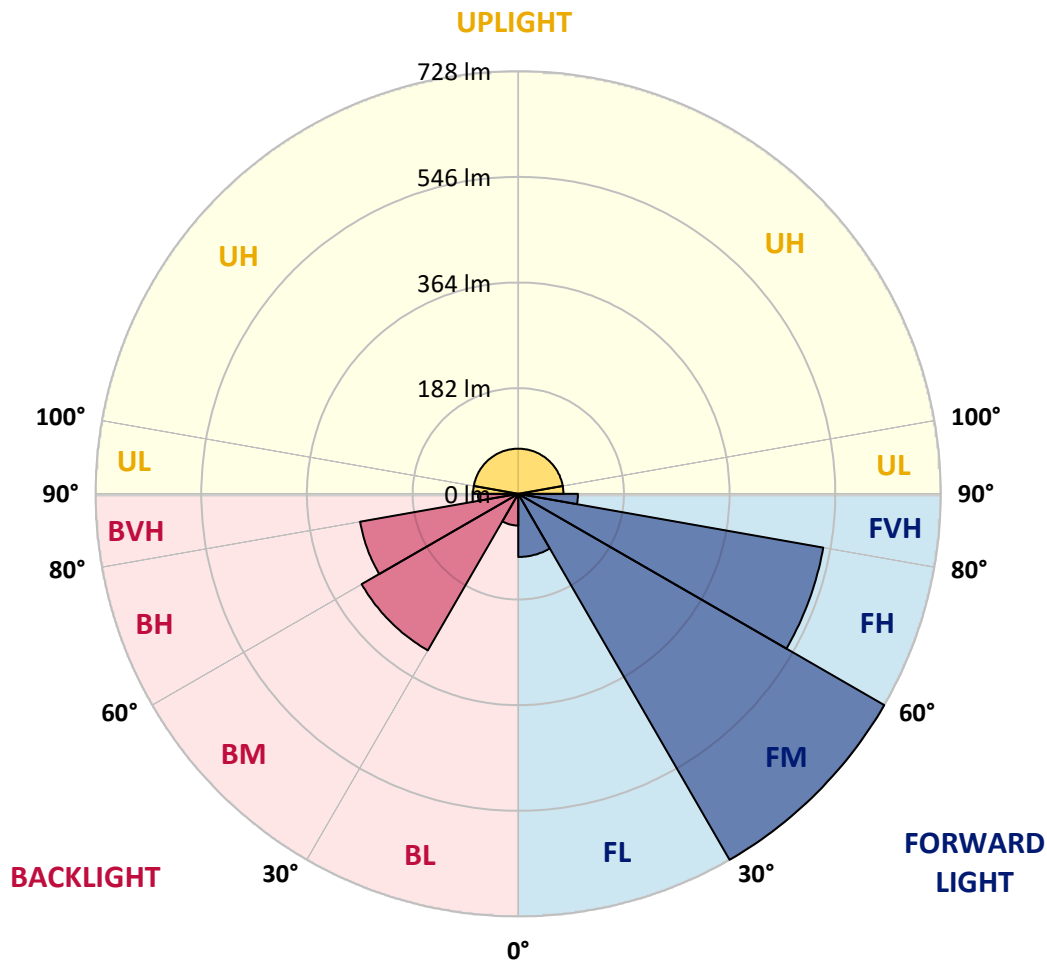


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.8	4.6			
FM (30°-60°)	727.8	31.1			
FH (60°-80°)	533.3	22.8			G0/660
FVH (80°-90°)	102.7	4.4			G2/225
BL (0°-30°)	54.6	2.3	B0/110		
BM (30°-60°)	311.4	13.3	B1/1000		
BH (60°-80°)	276.6	11.8	B1/500		G1/500
BVH (80°-90°)	69.3	3.0			G1/100
UL (90°-100°)	77.8	3.3		U3/500	
UH (100°-180°)	77.7	3.3		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	111.8	111.0	111.0	110.1	109.3	108.4	106.8	105.1	103.4	103.4	101.7
5°	126.9	126.1	126.1	124.4	122.7	119.4	116.8	113.5	110.1	109.3	105.9
7.5°	143.7	144.6	143.7	141.2	138.7	134.5	129.4	124.4	118.5	117.7	112.6
10°	164.7	165.6	163.1	159.7	157.2	153.0	145.4	138.7	131.1	130.3	123.6
12.5°	190.0	188.3	188.3	184.1	179.0	171.5	163.1	155.5	146.3	144.6	137.0
15°	215.2	218.5	216.0	210.1	202.6	195.0	186.6	177.4	168.1	166.4	155.5
17.5°	244.6	248.8	245.4	238.7	231.2	221.1	213.5	201.7	190.8	188.3	175.7
20°	281.6	281.6	277.4	269.0	260.6	253.0	242.1	229.5	216.9	216.0	199.2
22.5°	318.6	316.9	312.7	303.4	293.4	284.9	272.3	260.6	248.0	243.8	229.5
25°	359.8	358.1	350.5	337.9	329.5	317.7	307.6	295.9	282.4	278.2	262.3
27.5°	401.8	400.1	390.9	379.1	365.6	353.9	343.8	334.5	317.7	317.7	299.2
30°	445.5	443.0	432.0	419.4	402.6	390.9	385.0	375.7	364.0	361.4	338.7
32.5°	486.7	487.5	476.6	458.9	441.3	429.5	427.0	424.5	411.9	411.0	386.7
35°	529.6	527.9	516.1	498.5	480.0	469.0	469.9	474.9	464.0	462.3	432.9
37.5°	568.2	568.2	555.6	533.8	513.6	505.2	516.9	530.4	522.8	517.8	487.5
40°	603.5	601.0	590.1	567.4	544.7	543.8	564.9	585.0	582.5	580.8	543.8
42.5°	629.6	626.2	616.1	592.6	572.4	576.6	611.1	649.8	648.9	645.5	606.0
45°	643.9	642.2	632.9	611.1	591.8	607.7	658.2	710.3	719.5	717.0	669.1
47.5°	646.4	645.5	638.0	618.7	604.4	630.4	704.4	774.2	788.4	789.3	734.6
50°	636.3	636.3	631.3	616.1	607.7	646.4	740.5	839.7	859.9	860.7	801.1
52.5°	611.9	611.9	611.9	601.8	600.2	651.4	770.8	891.8	931.3	930.5	870.0
55°	577.5	576.6	580.0	578.3	580.8	643.0	785.1	940.6	995.2	992.7	933.0
57.5°	534.6	532.1	540.5	543.8	551.4	622.9	787.6	973.4	1046.5	1044.8	984.3
60°	479.1	480.8	493.4	499.3	512.7	590.9	770.8	985.1	1081.0	1081.0	1027.2
62.5°	423.6	428.7	443.8	454.7	471.6	549.7	738.0	975.9	1094.4	1096.9	1049.9
65°	369.8	376.6	393.4	405.1	426.2	499.3	684.2	939.7	1081.0	1085.2	1051.5
67.5°	321.1	322.8	341.3	354.7	376.6	445.5	622.9	878.4	1036.4	1044.0	1024.6
70°	274.0	276.5	295.0	310.2	329.5	389.2	549.7	787.6	961.6	974.2	965.0
72.5°	228.6	232.8	248.8	266.5	284.9	337.1	471.6	696.0	860.7	874.2	879.2
75°	192.5	196.7	212.7	229.5	246.3	288.3	401.8	589.2	744.7	752.3	776.7
77.5°	159.7	164.7	178.2	195.0	210.1	245.4	332.9	485.8	626.2	632.1	653.1
80°	133.6	137.9	148.8	164.7	176.5	205.9	272.3	393.4	501.8	509.4	527.9
82.5°	111.0	112.6	124.4	137.9	150.5	174.0	222.7	312.7	393.4	401.8	427.0
85°	93.3	94.1	104.2	115.2	126.9	144.6	181.6	244.6	303.4	309.3	327.8
87.5°	75.7	77.3	87.4	97.5	106.8	121.9	147.1	192.5	233.7	236.2	248.8
90°	63.0	64.7	73.1	82.4	91.6	101.7	121.0	148.8	178.2	179.9	187.4
92.5°	53.0	53.8	61.4	70.6	79.0	87.4	99.2	117.7	138.7	140.4	143.7
95°	44.5	45.4	52.1	59.7	67.2	74.0	83.2	95.0	107.6	108.4	111.8
97.5°	38.7	38.7	44.5	51.3	58.0	63.0	68.9	77.3	84.9	84.1	84.9
100°	32.8	32.8	37.8	44.5	50.4	54.6	58.0	62.2	65.6	66.4	66.4
102.5°	28.6	28.6	32.8	39.5	44.5	47.9	50.4	51.3	53.0	53.0	52.1
105°	24.4	25.2	28.6	34.5	38.7	42.0	42.9	42.9	42.0	42.0	42.0
107.5°	21.9	21.9	25.2	30.3	34.5	37.0	37.8	36.1	34.5	33.6	33.6
110°	20.2	20.2	22.7	26.9	31.1	32.8	32.8	30.3	27.7	28.6	27.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	17.7	18.5	20.2	24.4	27.7	29.4	28.6	26.1	23.5	22.7	22.7
115°	16.8	16.8	18.5	21.9	25.2	26.1	25.2	22.7	19.3	19.3	19.3
117.5°	15.1	15.1	16.8	19.3	21.9	23.5	21.9	19.3	16.0	16.0	16.0
120°	14.3	14.3	15.1	17.7	20.2	21.0	19.3	16.8	13.4	13.4	14.3
122.5°	13.4	13.4	14.3	16.0	17.7	18.5	17.7	14.3	11.8	11.8	12.6
125°	12.6	12.6	12.6	14.3	16.0	16.8	15.1	12.6	10.1	10.1	10.9
127.5°	11.8	11.8	11.8	12.6	14.3	14.3	13.4	10.9	9.2	9.2	10.1
130°	10.9	10.9	10.9	11.8	12.6	12.6	10.9	9.2	8.4	8.4	8.4
132.5°	10.1	10.1	10.1	10.1	10.9	10.9	9.2	7.6	6.7	7.6	7.6
135°	9.2	9.2	9.2	9.2	9.2	9.2	7.6	5.9	5.9	5.9	6.7
137.5°	8.4	8.4	8.4	7.6	7.6	7.6	5.9	5.0	5.0	5.0	5.9
140°	7.6	7.6	7.6	6.7	5.9	5.9	4.2	4.2	4.2	4.2	5.0
142.5°	6.7	6.7	6.7	5.9	5.0	4.2	3.4	3.4	3.4	3.4	4.2
145°	5.9	5.9	5.0	5.0	3.4	2.5	2.5	2.5	2.5	3.4	3.4
147.5°	5.0	5.0	4.2	3.4	2.5	1.7	0.8	1.7	1.7	1.7	2.5
150°	3.4	3.4	3.4	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7
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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	100.9	100.0	98.3	96.7	95.0	94.1	93.3	92.5	92.5	92.5	92.5
5°	104.2	101.7	98.3	95.0	91.6	89.1	86.6	84.9	84.1	83.2	83.2
7.5°	110.1	106.8	100.9	95.8	90.8	85.7	82.4	79.9	78.2	77.3	77.3
10°	118.5	114.3	106.8	99.2	91.6	85.7	80.7	77.3	74.8	74.0	73.1
12.5°	132.0	126.9	116.0	105.1	95.8	87.4	81.5	76.5	74.0	73.1	73.1
15°	149.6	142.9	128.6	115.2	102.5	91.6	84.9	81.5	79.9	78.2	78.2
17.5°	168.1	160.5	144.6	127.8	112.6	100.0	92.5	89.1	85.7	84.9	84.9
20°	192.5	182.4	162.2	142.1	124.4	111.8	102.5	95.8	92.5	91.6	91.6
22.5°	218.5	205.9	183.2	158.0	138.7	122.7	111.8	103.4	100.0	98.3	98.3
25°	248.0	236.2	206.8	176.5	154.7	135.3	121.0	111.8	107.6	106.8	106.8
27.5°	283.3	269.0	232.8	198.4	169.8	146.3	130.3	119.4	115.2	114.3	114.3
30°	324.5	304.3	261.4	221.9	185.8	156.3	137.0	126.9	121.9	121.9	121.9
32.5°	363.1	342.1	292.5	245.4	200.1	164.7	143.7	133.6	128.6	128.6	128.6
35°	410.2	385.8	326.1	268.1	212.7	172.3	148.8	138.7	134.5	133.6	133.6
37.5°	462.3	431.2	359.8	289.2	224.4	177.4	153.0	142.9	138.7	137.9	137.9
40°	514.4	478.3	396.7	311.0	232.8	180.7	155.5	146.3	142.1	140.4	140.4
42.5°	569.9	528.7	432.0	331.2	240.4	182.4	156.3	148.8	144.6	142.1	142.1
45°	629.6	580.8	469.9	347.2	245.4	183.2	157.2	149.6	146.3	142.9	142.9
47.5°	693.5	636.3	504.3	362.3	247.1	182.4	157.2	150.5	146.3	142.9	142.1
50°	751.5	690.1	539.6	374.0	247.1	180.7	157.2	151.3	147.1	142.1	142.1
52.5°	812.8	743.1	569.9	381.6	245.4	178.2	156.3	150.5	147.1	141.2	141.2
55°	873.3	793.5	597.6	385.8	241.2	174.8	154.7	150.5	146.3	140.4	139.5
57.5°	922.1	839.7	620.3	385.8	235.4	170.6	152.1	149.6	145.4	139.5	138.7
60°	961.6	875.0	632.9	380.8	227.8	166.4	149.6	147.9	144.6	137.9	137.0
62.5°	986.0	896.0	636.3	371.5	219.4	161.4	147.1	145.4	142.9	137.0	135.3
65°	990.2	898.6	626.2	355.6	208.5	154.7	142.9	142.9	140.4	134.5	133.6
67.5°	965.8	874.2	601.0	333.7	196.7	147.9	137.9	138.7	137.0	132.0	130.3
70°	913.7	827.1	559.0	308.5	183.2	141.2	132.0	132.8	131.1	126.9	126.1
72.5°	833.0	749.8	502.7	278.2	169.0	132.8	126.1	126.1	125.2	121.0	119.4
75°	733.0	660.7	437.9	246.3	154.7	123.6	118.5	118.5	117.7	113.5	111.8
77.5°	621.2	558.1	370.7	215.2	139.5	114.3	109.3	110.1	109.3	104.2	104.2
80°	501.8	458.1	309.3	184.9	125.2	104.2	100.0	100.9	99.2	94.1	92.5
82.5°	402.6	366.5	250.5	158.0	111.0	95.0	90.8	90.8	88.3	84.1	83.2
85°	307.6	281.6	202.6	132.8	98.3	84.9	81.5	80.7	77.3	73.1	72.3
87.5°	239.6	217.7	162.2	112.6	85.7	75.7	72.3	70.6	67.2	63.0	62.2
90°	180.7	167.3	129.4	94.1	75.7	67.2	63.9	61.4	58.0	53.8	52.1
92.5°	140.4	132.0	105.1	80.7	65.6	59.7	56.3	53.8	49.6	46.2	44.5
95°	108.4	103.4	86.6	68.9	58.0	52.1	49.6	47.1	43.7	39.5	37.8
97.5°	85.7	81.5	70.6	58.8	51.3	47.1	43.7	41.2	37.0	33.6	32.8
100°	67.2	64.7	58.8	50.4	45.4	41.2	38.7	36.1	31.9	28.6	28.6
102.5°	53.0	52.1	48.8	43.7	40.3	37.0	34.5	31.9	28.6	25.2	24.4
105°	42.9	42.9	40.3	37.8	35.3	32.8	31.1	28.6	24.4	21.9	21.0
107.5°	34.5	35.3	34.5	33.6	31.1	29.4	27.7	24.4	21.0	18.5	18.5
110°	28.6	28.6	29.4	28.6	27.7	26.1	24.4	21.9	18.5	16.8	16.8

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	24.4	25.2	25.2	24.4	23.5	21.9	19.3	16.0	14.3	14.3
115°	20.2	20.2	21.9	21.9	21.9	21.0	19.3	16.8	14.3	12.6	13.4
117.5°	16.8	17.7	18.5	19.3	19.3	18.5	16.8	14.3	11.8	11.8	11.8
120°	15.1	15.1	16.0	16.8	16.8	16.8	15.1	12.6	10.9	10.1	10.1
122.5°	13.4	13.4	14.3	15.1	15.1	14.3	13.4	10.9	9.2	9.2	9.2
125°	11.8	11.8	12.6	13.4	13.4	12.6	10.9	9.2	8.4	8.4	8.4
127.5°	10.1	10.9	10.9	11.8	11.8	10.9	10.1	8.4	6.7	7.6	7.6
130°	9.2	9.2	10.1	10.1	10.1	9.2	8.4	6.7	6.7	6.7	6.7
132.5°	8.4	8.4	8.4	8.4	8.4	8.4	6.7	5.9	5.9	5.9	5.9
135°	6.7	7.6	7.6	7.6	7.6	6.7	5.9	5.0	5.0	5.0	5.9
137.5°	5.9	5.9	6.7	5.9	5.9	5.9	4.2	4.2	4.2	5.0	5.0
140°	5.0	5.0	5.0	5.0	5.0	4.2	3.4	3.4	4.2	4.2	4.2
142.5°	4.2	4.2	4.2	4.2	3.4	3.4	2.5	2.5	3.4	3.4	4.2
145°	3.4	3.4	3.4	3.4	2.5	2.5	1.7	2.5	2.5	3.4	3.4
147.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	2.5	2.5
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

(END OF REPORT)