

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: P694688

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694688  
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-PA16-20-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 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: 2098 lumens  
Efficiency: N/A  
Efficacy: 96.2 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 - G1

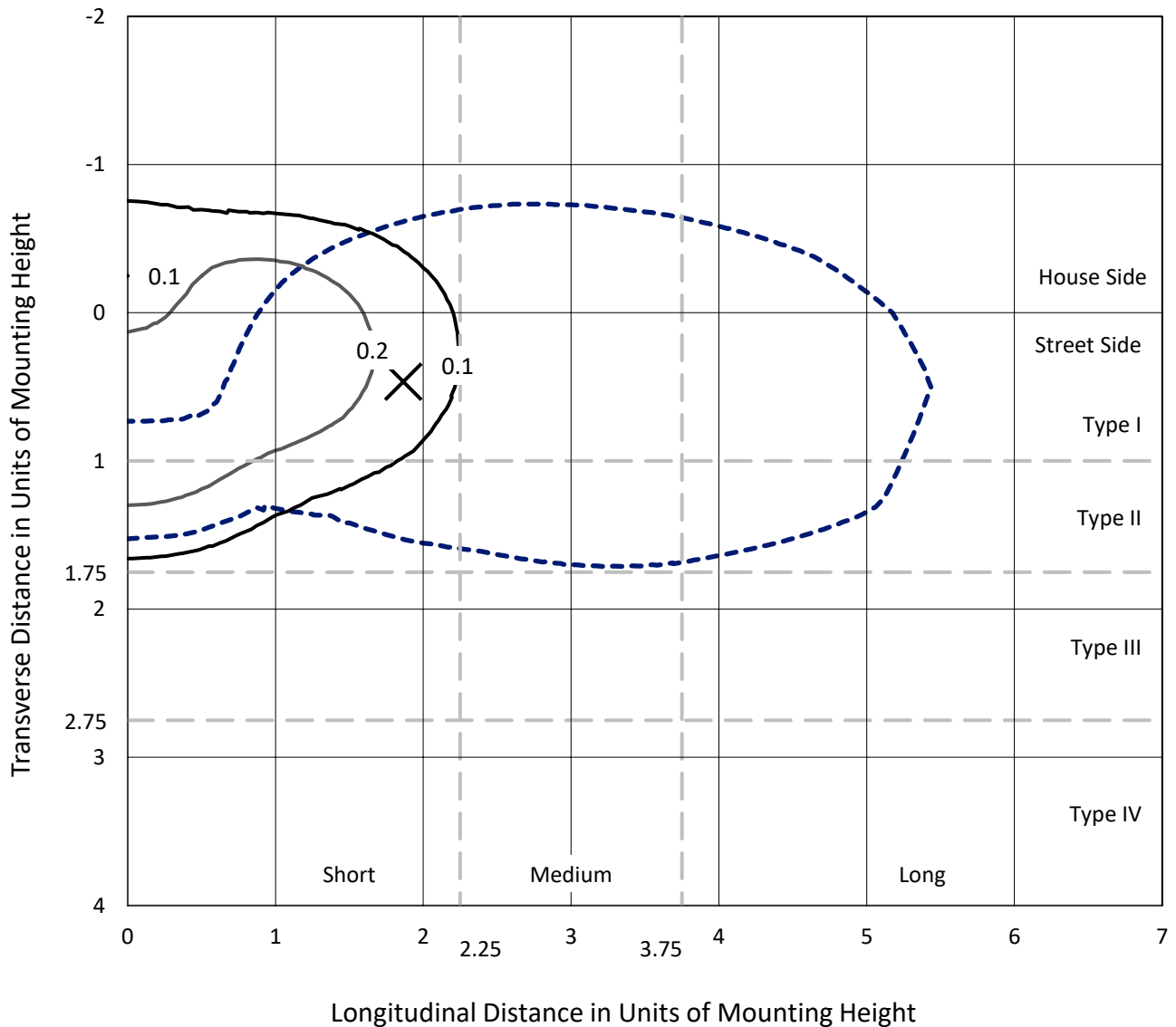
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

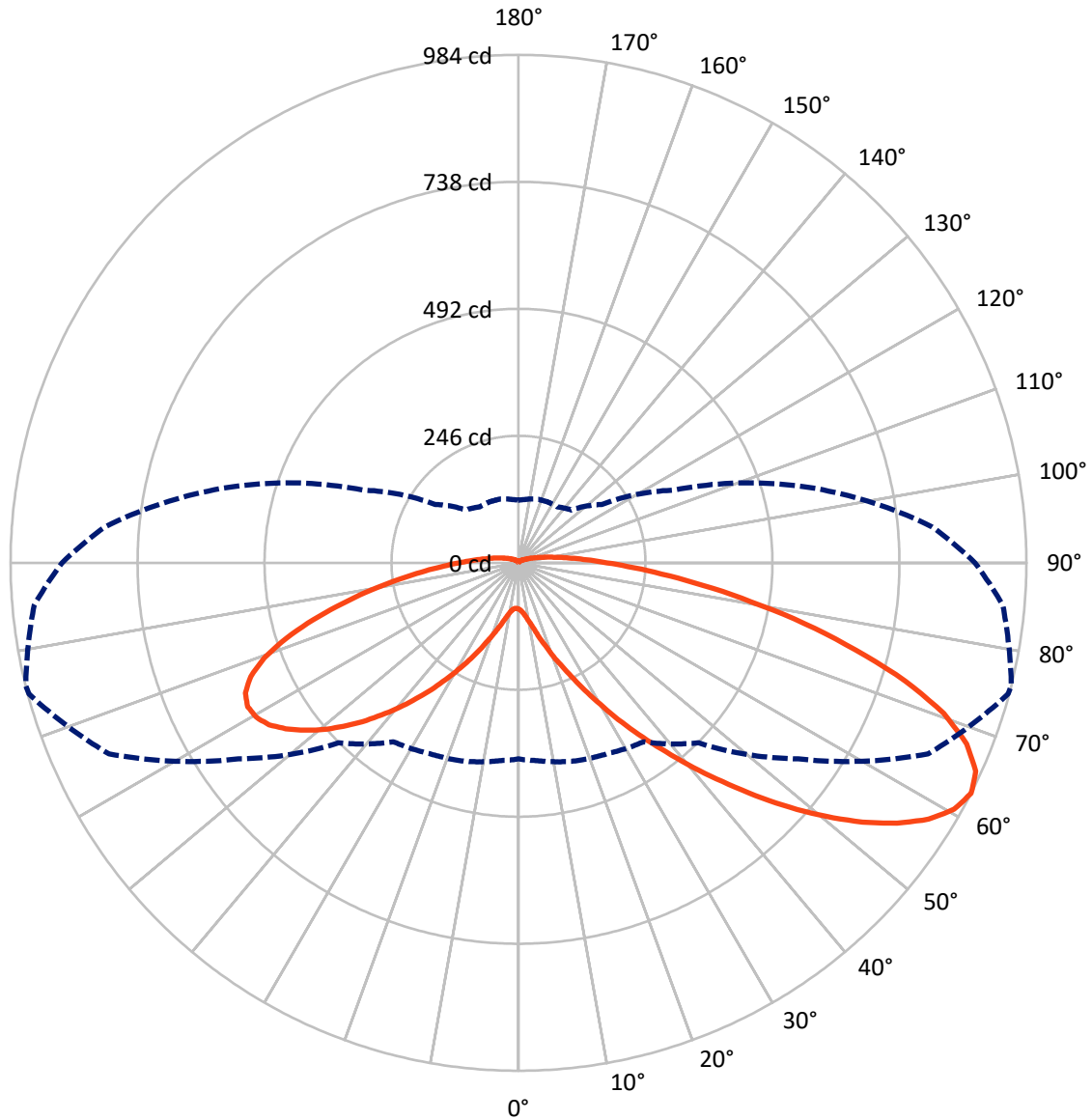
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type 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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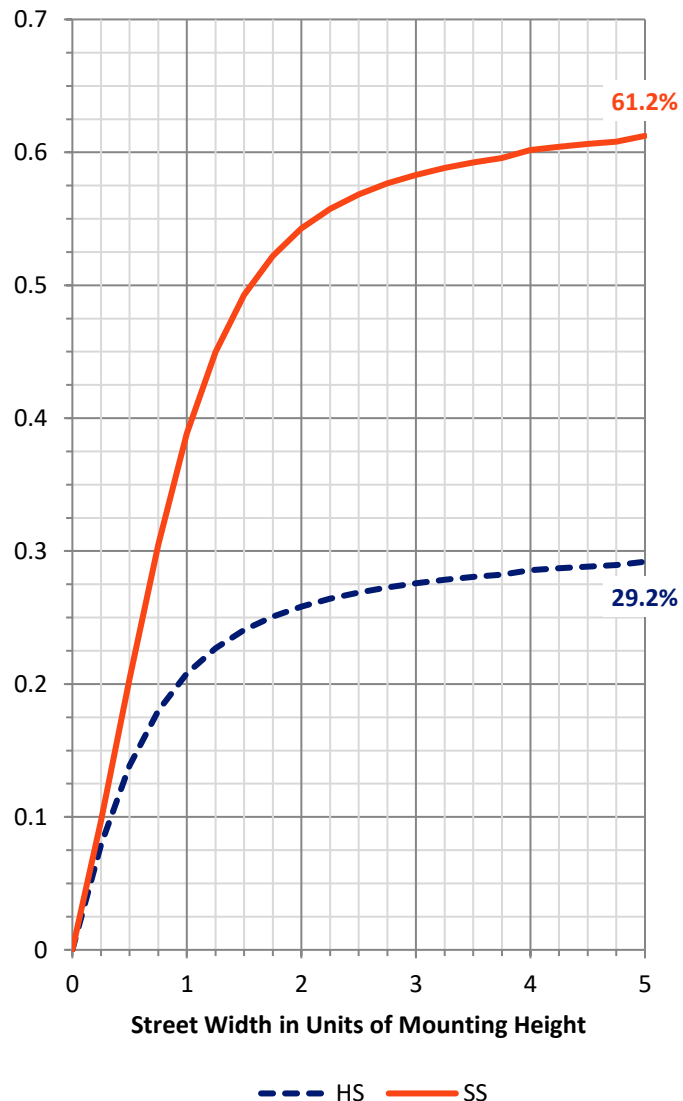
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	638.2	62.7	700.9
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	1320.3	76.8	1397.1
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	1958.6	139.5	2098.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.4
10°-20°	38.6	1.8
20°-30°	98.6	4.7
30°-40°	197.0	9.4
40°-50°	318.3	15.2
50°-60°	416.4	19.8
60°-70°	422.4	20.1
70°-80°	303.7	14.5
80°-90°	154.2	7.4
90°-100°	69.7	3.3
100°-110°	34.3	1.6
110°-120°	18.3	0.9
120°-130°	10.1	0.5
130°-140°	5.1	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°	1958.6	93.4
0°-180°	2098.0	100.0

**Coefficient of Utilization**



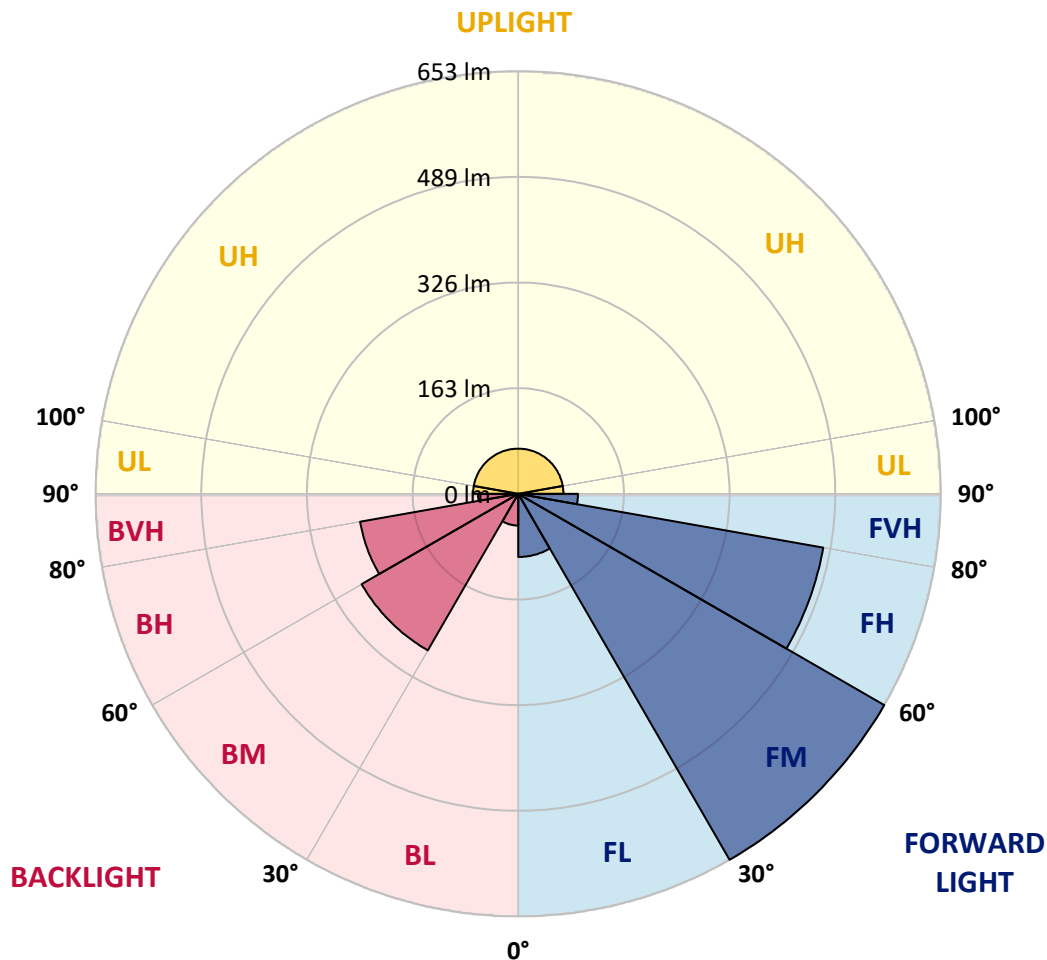
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.5	4.6			
FM (30°-60°)	652.5	31.1			
FH (60°-80°)	478.2	22.8			G0/660
FVH (80°-90°)	92.1	4.4			G1/100
BL (0°-30°)	49.0	2.3	B0/110		
BM (30°-60°)	279.2	13.3	B1/1000		
BH (60°-80°)	248.0	11.8	B1/500		G1/500
BVH (80°-90°)	62.1	3.0			G1/100
UL (90°-100°)	69.7	3.3		U3/500	
UH (100°-180°)	69.7	3.3		U3/500	

**BUG Rating: B1-U3-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.5°	100.2	99.5	99.5	98.7	98.0	97.2	95.7	94.2	92.7	92.7	91.2
5°	113.8	113.0	113.0	111.5	110.0	107.0	104.8	101.7	98.7	98.0	95.0
7.5°	128.9	129.6	128.9	126.6	124.3	120.6	116.1	111.5	106.3	105.5	101.0
10°	147.7	148.5	146.2	143.2	140.9	137.2	130.4	124.3	117.6	116.8	110.8
12.5°	170.3	168.8	168.8	165.0	160.5	153.7	146.2	139.4	131.1	129.6	122.8
15°	192.9	195.9	193.7	188.4	181.6	174.8	167.3	159.0	150.7	149.2	139.4
17.5°	219.3	223.1	220.1	214.0	207.2	198.2	191.4	180.9	171.1	168.8	157.5
20°	252.5	252.5	248.7	241.2	233.6	226.8	217.0	205.7	194.4	193.7	178.6
22.5°	285.6	284.1	280.4	272.1	263.0	255.5	244.2	233.6	222.3	218.6	205.7
25°	322.6	321.0	314.3	303.0	295.4	284.9	275.8	265.3	253.2	249.5	235.1
27.5°	360.2	358.7	350.4	339.9	327.8	317.3	308.2	299.9	284.9	284.9	268.3
30°	399.4	397.2	387.4	376.1	361.0	350.4	345.2	336.9	326.3	324.1	303.7
32.5°	436.4	437.1	427.3	411.5	395.7	385.1	382.8	380.6	369.3	368.5	346.7
35°	474.8	473.3	462.7	446.9	430.3	420.5	421.3	425.8	416.0	414.5	388.1
37.5°	509.5	509.5	498.1	478.6	460.5	452.9	463.5	475.5	468.8	464.2	437.1
40°	541.1	538.8	529.0	508.7	488.4	487.6	506.4	524.5	522.3	520.8	487.6
42.5°	564.5	561.5	552.4	531.3	513.2	517.0	547.9	582.6	581.8	578.8	543.4
45°	577.3	575.8	567.5	547.9	530.6	544.9	590.1	636.8	645.1	642.8	599.9
47.5°	579.5	578.8	572.0	554.7	541.9	565.2	631.5	694.1	706.9	707.7	658.7
50°	570.5	570.5	566.0	552.4	544.9	579.5	663.9	752.9	771.0	771.7	718.2
52.5°	548.6	548.6	548.6	539.6	538.1	584.1	691.1	799.6	835.0	834.3	780.0
55°	517.7	517.0	520.0	518.5	520.8	576.5	703.9	843.3	892.3	890.0	836.5
57.5°	479.3	477.0	484.6	487.6	494.4	558.4	706.2	872.7	938.3	936.8	882.5
60°	429.6	431.1	442.4	447.7	459.7	529.8	691.1	883.3	969.2	969.2	920.9
62.5°	379.8	384.4	397.9	407.7	422.8	492.9	661.7	875.0	981.2	983.5	941.3
65°	331.6	337.6	352.7	363.2	382.1	447.7	613.5	842.6	969.2	972.9	942.8
67.5°	287.9	289.4	306.0	318.0	337.6	399.4	558.4	787.5	929.2	936.0	918.7
70°	245.7	247.9	264.5	278.1	295.4	348.9	492.9	706.2	862.2	873.5	865.2
72.5°	205.0	208.8	223.1	238.9	255.5	302.2	422.8	624.0	771.7	783.8	788.3
75°	172.6	176.3	190.7	205.7	220.8	258.5	360.2	528.3	667.7	674.5	696.4
77.5°	143.2	147.7	159.8	174.8	188.4	220.1	298.4	435.6	561.5	566.7	585.6
80°	119.8	123.6	133.4	147.7	158.3	184.6	244.2	352.7	449.9	456.7	473.3
82.5°	99.5	101.0	111.5	123.6	134.9	156.0	199.7	280.4	352.7	360.2	382.8
85°	83.7	84.4	93.5	103.2	113.8	129.6	162.8	219.3	272.1	277.3	293.9
87.5°	67.8	69.3	78.4	87.4	95.7	109.3	131.9	172.6	209.5	211.8	223.1
90°	56.5	58.0	65.6	73.9	82.1	91.2	108.5	133.4	159.8	161.3	168.1
92.5°	47.5	48.2	55.0	63.3	70.8	78.4	88.9	105.5	124.3	125.9	128.9
95°	39.9	40.7	46.7	53.5	60.3	66.3	74.6	85.2	96.5	97.2	100.2
97.5°	34.7	34.7	39.9	46.0	52.0	56.5	61.8	69.3	76.1	75.4	76.1
100°	29.4	29.4	33.9	39.9	45.2	49.0	52.0	55.8	58.8	59.5	59.5
102.5°	25.6	25.6	29.4	35.4	39.9	43.0	45.2	46.0	47.5	47.5	46.7
105°	21.9	22.6	25.6	30.9	34.7	37.7	38.4	38.4	37.7	37.7	37.7
107.5°	19.6	19.6	22.6	27.1	30.9	33.2	33.9	32.4	30.9	30.1	30.1
110°	18.1	18.1	20.3	24.1	27.9	29.4	29.4	27.1	24.9	25.6	24.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	15.8	16.6	18.1	21.9	24.9	26.4	25.6	23.4	21.1	20.3	20.3
115°	15.1	15.1	16.6	19.6	22.6	23.4	22.6	20.3	17.3	17.3	17.3
117.5°	13.6	13.6	15.1	17.3	19.6	21.1	19.6	17.3	14.3	14.3	14.3
120°	12.8	12.8	13.6	15.8	18.1	18.8	17.3	15.1	12.1	12.1	12.8
122.5°	12.1	12.1	12.8	14.3	15.8	16.6	15.8	12.8	10.6	10.6	11.3
125°	11.3	11.3	11.3	12.8	14.3	15.1	13.6	11.3	9.0	9.0	9.8
127.5°	10.6	10.6	10.6	11.3	12.8	12.8	12.1	9.8	8.3	8.3	9.0
130°	9.8	9.8	9.8	10.6	11.3	11.3	9.8	8.3	7.5	7.5	7.5
132.5°	9.0	9.0	9.0	9.0	9.8	9.8	8.3	6.8	6.0	6.8	6.8
135°	8.3	8.3	8.3	8.3	8.3	8.3	6.8	5.3	5.3	5.3	6.0
137.5°	7.5	7.5	7.5	6.8	6.8	6.8	5.3	4.5	4.5	4.5	5.3
140°	6.8	6.8	6.8	6.0	5.3	5.3	3.8	3.8	3.8	3.8	4.5
142.5°	6.0	6.0	6.0	5.3	4.5	3.8	3.0	3.0	3.0	3.0	3.8
145°	5.3	5.3	4.5	4.5	3.0	2.3	2.3	2.3	2.3	3.0	3.0
147.5°	4.5	4.5	3.8	3.0	2.3	1.5	0.8	1.5	1.5	1.5	2.3
150°	3.0	3.0	3.0	2.3	1.5	0.8	0.8	0.8	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°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.5°	90.4	89.7	88.2	86.7	85.2	84.4	83.7	82.9	82.9	82.9	82.9
5°	93.5	91.2	88.2	85.2	82.1	79.9	77.6	76.1	75.4	74.6	74.6
7.5°	98.7	95.7	90.4	85.9	81.4	76.9	73.9	71.6	70.1	69.3	69.3
10°	106.3	102.5	95.7	88.9	82.1	76.9	72.3	69.3	67.1	66.3	65.6
12.5°	118.3	113.8	104.0	94.2	85.9	78.4	73.1	68.6	66.3	65.6	65.6
15°	134.1	128.1	115.3	103.2	91.9	82.1	76.1	73.1	71.6	70.1	70.1
17.5°	150.7	143.9	129.6	114.6	101.0	89.7	82.9	79.9	76.9	76.1	76.1
20°	172.6	163.5	145.5	127.4	111.5	100.2	91.9	85.9	82.9	82.1	82.1
22.5°	195.9	184.6	164.3	141.7	124.3	110.0	100.2	92.7	89.7	88.2	88.2
25°	222.3	211.8	185.4	158.3	138.7	121.3	108.5	100.2	96.5	95.7	95.7
27.5°	254.0	241.2	208.8	177.9	152.2	131.1	116.8	107.0	103.2	102.5	102.5
30°	290.9	272.8	234.4	199.0	166.6	140.2	122.8	113.8	109.3	109.3	109.3
32.5°	325.6	306.7	262.3	220.1	179.4	147.7	128.9	119.8	115.3	115.3	115.3
35°	367.8	345.9	292.4	240.4	190.7	154.5	133.4	124.3	120.6	119.8	119.8
37.5°	414.5	386.6	322.6	259.2	201.2	159.0	137.2	128.1	124.3	123.6	123.6
40°	461.2	428.8	355.7	278.8	208.8	162.0	139.4	131.1	127.4	125.9	125.9
42.5°	511.0	474.0	387.4	296.9	215.5	163.5	140.2	133.4	129.6	127.4	127.4
45°	564.5	520.8	421.3	311.2	220.1	164.3	140.9	134.1	131.1	128.1	128.1
47.5°	621.7	570.5	452.2	324.8	221.6	163.5	140.9	134.9	131.1	128.1	127.4
50°	673.7	618.7	483.8	335.4	221.6	162.0	140.9	135.7	131.9	127.4	127.4
52.5°	728.8	666.2	511.0	342.1	220.1	159.8	140.2	134.9	131.9	126.6	126.6
55°	783.0	711.4	535.8	345.9	216.3	156.8	138.7	134.9	131.1	125.9	125.1
57.5°	826.7	752.9	556.2	345.9	211.0	153.0	136.4	134.1	130.4	125.1	124.3
60°	862.2	784.5	567.5	341.4	204.2	149.2	134.1	132.6	129.6	123.6	122.8
62.5°	884.0	803.4	570.5	333.1	196.7	144.7	131.9	130.4	128.1	122.8	121.3
65°	887.8	805.6	561.5	318.8	186.9	138.7	128.1	128.1	125.9	120.6	119.8
67.5°	865.9	783.8	538.8	299.2	176.3	132.6	123.6	124.3	122.8	118.3	116.8
70°	819.2	741.6	501.2	276.6	164.3	126.6	118.3	119.1	117.6	113.8	113.0
72.5°	746.8	672.2	450.7	249.5	151.5	119.1	113.0	113.0	112.3	108.5	107.0
75°	657.2	592.4	392.6	220.8	138.7	110.8	106.3	106.3	105.5	101.7	100.2
77.5°	556.9	500.4	332.4	192.9	125.1	102.5	98.0	98.7	98.0	93.5	93.5
80°	449.9	410.7	277.3	165.8	112.3	93.5	89.7	90.4	88.9	84.4	82.9
82.5°	361.0	328.6	224.6	141.7	99.5	85.2	81.4	81.4	79.1	75.4	74.6
85°	275.8	252.5	181.6	119.1	88.2	76.1	73.1	72.3	69.3	65.6	64.8
87.5°	214.8	195.2	145.5	101.0	76.9	67.8	64.8	63.3	60.3	56.5	55.8
90°	162.0	150.0	116.1	84.4	67.8	60.3	57.3	55.0	52.0	48.2	46.7
92.5°	125.9	118.3	94.2	72.3	58.8	53.5	50.5	48.2	44.5	41.4	39.9
95°	97.2	92.7	77.6	61.8	52.0	46.7	44.5	42.2	39.2	35.4	33.9
97.5°	76.9	73.1	63.3	52.8	46.0	42.2	39.2	36.9	33.2	30.1	29.4
100°	60.3	58.0	52.8	45.2	40.7	36.9	34.7	32.4	28.6	25.6	25.6
102.5°	47.5	46.7	43.7	39.2	36.2	33.2	30.9	28.6	25.6	22.6	21.9
105°	38.4	38.4	36.2	33.9	31.7	29.4	27.9	25.6	21.9	19.6	18.8
107.5°	30.9	31.7	30.9	30.1	27.9	26.4	24.9	21.9	18.8	16.6	16.6
110°	25.6	25.6	26.4	25.6	24.9	23.4	21.9	19.6	16.6	15.1	15.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.1	21.9	22.6	22.6	21.9	21.1	19.6	17.3	14.3	12.8	12.8
115°	18.1	18.1	19.6	19.6	19.6	18.8	17.3	15.1	12.8	11.3	12.1
117.5°	15.1	15.8	16.6	17.3	17.3	16.6	15.1	12.8	10.6	10.6	10.6
120°	13.6	13.6	14.3	15.1	15.1	15.1	13.6	11.3	9.8	9.0	9.0
122.5°	12.1	12.1	12.8	13.6	13.6	12.8	12.1	9.8	8.3	8.3	8.3
125°	10.6	10.6	11.3	12.1	12.1	11.3	9.8	8.3	7.5	7.5	7.5
127.5°	9.0	9.8	9.8	10.6	10.6	9.8	9.0	7.5	6.0	6.8	6.8
130°	8.3	8.3	9.0	9.0	9.0	8.3	7.5	6.0	6.0	6.0	6.0
132.5°	7.5	7.5	7.5	7.5	7.5	7.5	6.0	5.3	5.3	5.3	5.3
135°	6.0	6.8	6.8	6.8	6.8	6.0	5.3	4.5	4.5	4.5	5.3
137.5°	5.3	5.3	6.0	5.3	5.3	5.3	3.8	3.8	3.8	4.5	4.5
140°	4.5	4.5	4.5	4.5	4.5	3.8	3.0	3.0	3.8	3.8	3.8
142.5°	3.8	3.8	3.8	3.8	3.0	3.0	2.3	2.3	3.0	3.0	3.8
145°	3.0	3.0	3.0	3.0	2.3	2.3	1.5	2.3	2.3	3.0	3.0
147.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	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)