

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: P414423

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1878 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G1

Input Watts (W): 21  
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: 28.75 FT

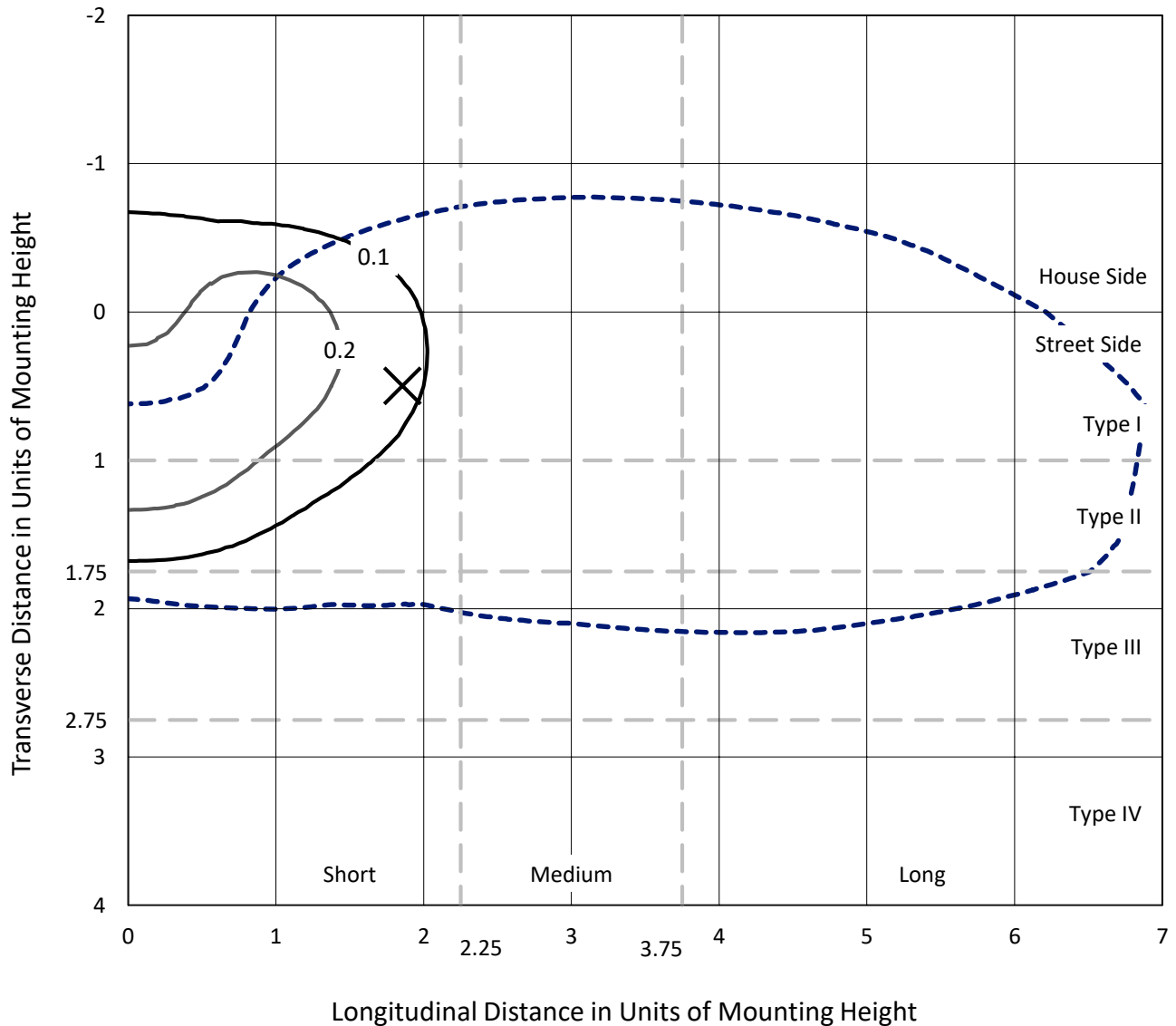


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

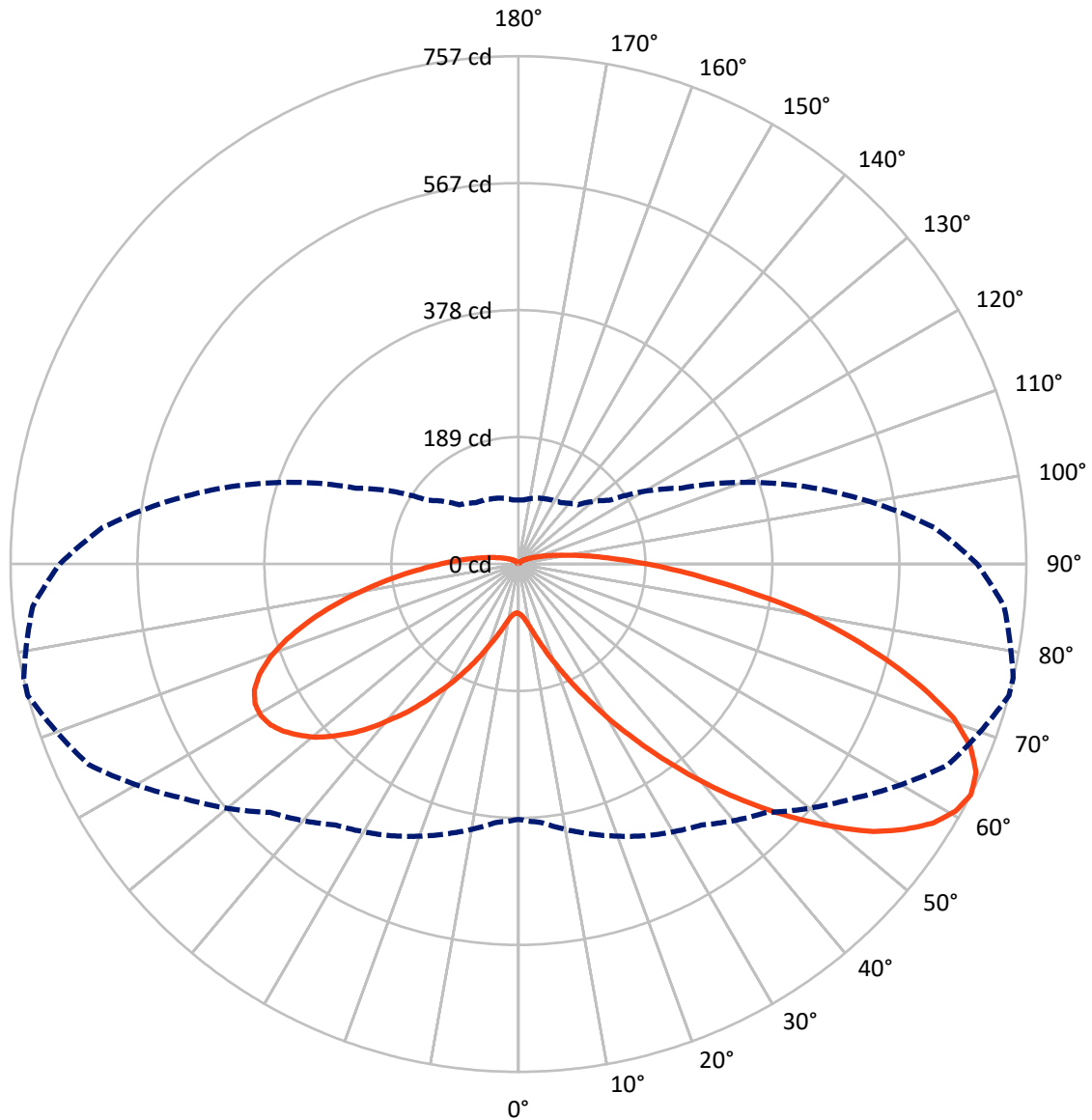


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



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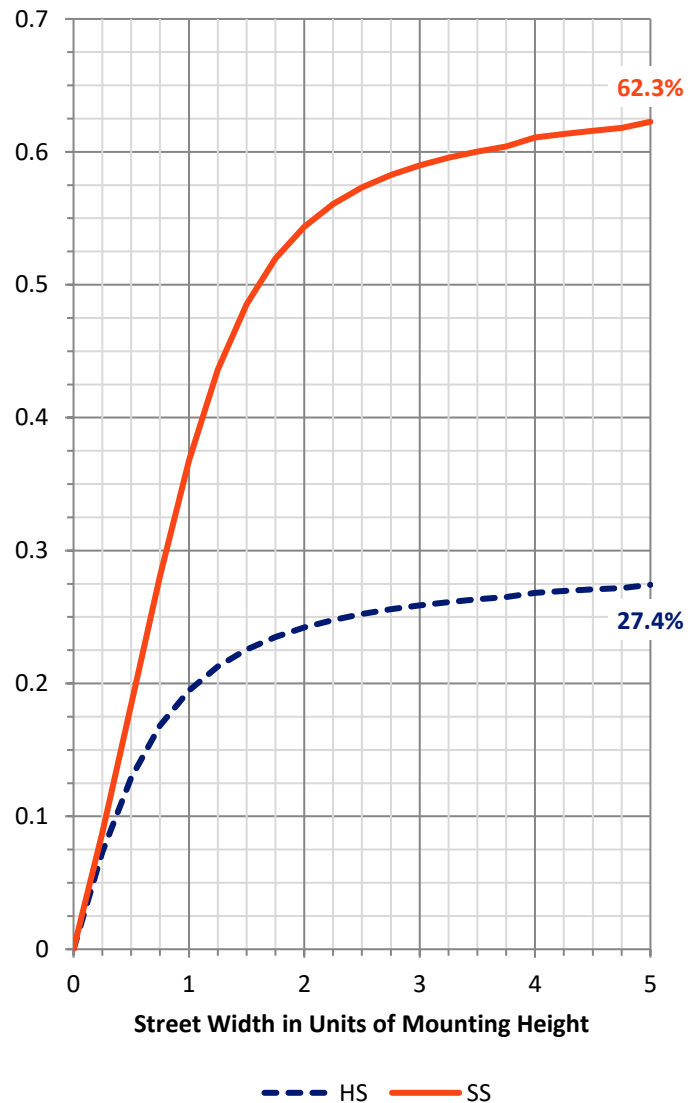
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	537.1	57.1	594.2
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	1205.4	78.4	1283.8
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	1742.5	135.5	1878.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.4
10°-20°	32.7	1.7
20°-30°	84.6	4.5
30°-40°	173.0	9.2
40°-50°	287.0	15.3
50°-60°	372.3	19.8
60°-70°	366.7	19.5
70°-80°	269.4	14.3
80°-90°	149.1	7.9
90°-100°	70.4	3.8
100°-110°	33.6	1.8
110°-120°	17.2	0.9
120°-130°	8.9	0.5
130°-140°	4.1	0.2
140°-150°	1.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1742.5	92.8
0°-180°	1878.0	100.0



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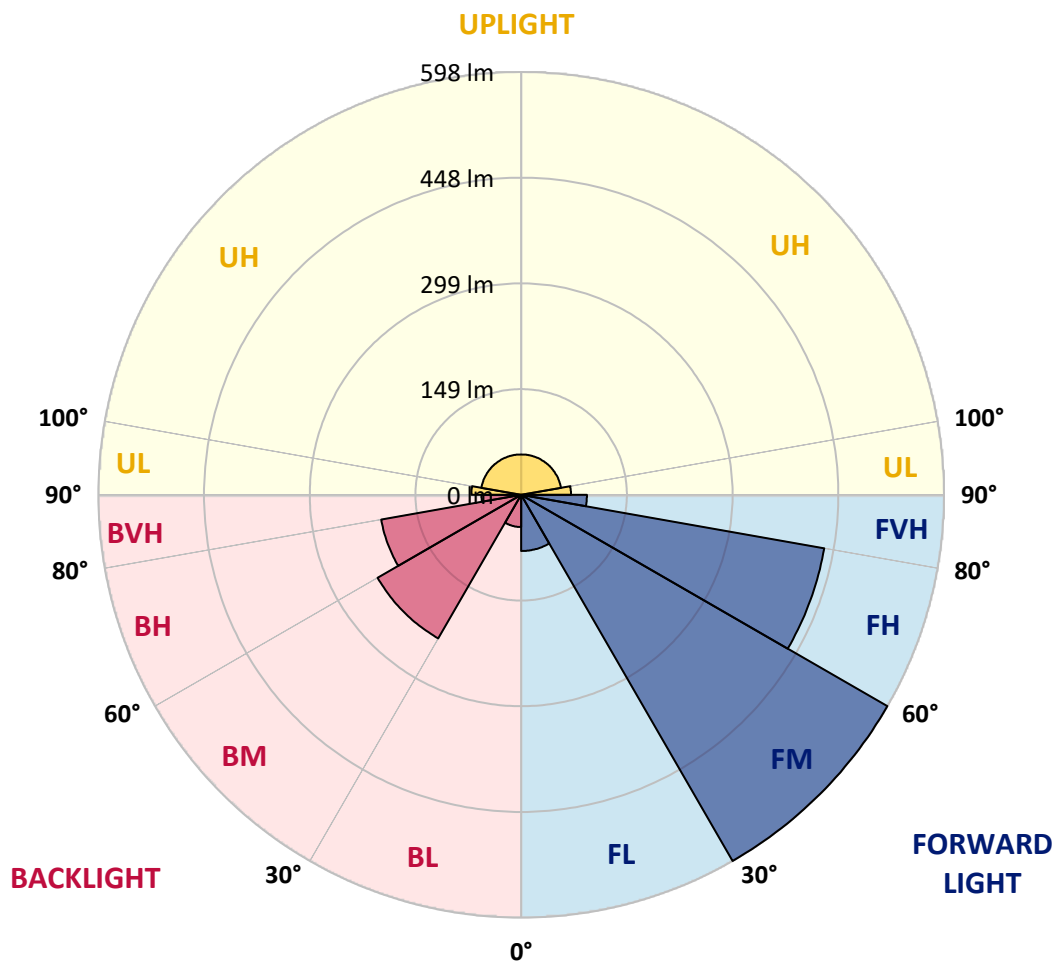
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.5	4.2			
FM	(30°-60°)	597.9	31.8			
FH	(60°-80°)	435.2	23.2			G0/660
FVH	(80°-90°)	92.9	4.9			G1/100
BL	(0°-30°)	45.6	2.4	B0/110		
BM	(30°-60°)	234.4	12.5	B1/1000		
BH	(60°-80°)	200.9	10.7	B1/500		G1/500
BVH	(80°-90°)	56.2	3.0			G1/100
UL	(90°-100°)	70.4	3.8		U3/500	
UH	(100°-180°)	57.1	3.0		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	82.2	81.5	81.1	80.4	80.0	79.1	78.2	76.9	75.8	75.6	74.7
5°	90.8	89.7	89.7	88.6	87.1	86.0	84.2	82.0	80.2	79.1	78.2
7.5°	101.9	101.0	99.9	99.0	97.5	95.5	93.1	90.2	86.6	86.0	83.7
10°	114.3	113.9	113.0	111.2	109.2	106.6	103.2	99.7	95.7	95.0	91.3
12.5°	130.7	130.7	129.4	127.0	124.1	119.2	116.3	112.6	107.9	107.2	101.9
15°	150.9	150.0	148.2	144.0	140.7	136.7	133.2	128.3	122.1	121.0	116.1
17.5°	173.0	171.3	170.4	166.4	162.0	157.1	152.2	146.9	140.0	138.3	132.5
20°	197.9	199.0	195.6	191.2	184.6	179.7	174.1	167.3	159.7	158.4	151.5
22.5°	229.1	228.2	223.6	217.3	210.9	205.6	198.5	191.6	181.5	180.1	172.2
25°	263.7	262.8	256.8	249.0	241.7	232.2	224.0	216.7	208.3	206.3	196.7
27.5°	297.6	302.0	292.9	283.4	274.7	264.1	254.3	245.0	235.5	234.0	224.0
30°	343.9	345.0	334.3	321.3	309.5	296.2	286.0	277.6	269.4	264.3	255.2
32.5°	392.2	388.6	380.2	364.2	345.6	330.8	319.5	311.7	304.0	301.3	288.0
35°	440.0	440.0	426.9	405.5	381.1	366.0	354.9	350.3	343.2	339.0	324.1
37.5°	487.0	486.3	473.0	447.8	422.7	402.1	395.0	389.7	384.8	380.6	362.5
40°	533.3	532.2	516.2	491.6	462.4	441.1	435.4	436.2	430.5	424.7	406.6
42.5°	570.5	570.1	557.4	532.8	497.8	479.0	473.2	478.6	475.9	470.4	449.1
45°	600.2	598.2	588.2	563.2	531.5	511.6	513.1	526.0	522.9	520.2	493.9
47.5°	612.6	612.4	606.8	585.1	555.9	541.9	550.8	568.7	569.8	567.6	538.2
50°	609.3	610.2	609.7	596.4	572.5	565.4	582.5	613.1	616.6	614.4	584.0
52.5°	589.8	590.2	597.5	591.8	578.3	580.3	610.6	649.8	662.2	656.3	624.6
55°	548.6	554.1	568.5	571.8	570.1	583.6	627.5	679.1	697.9	695.9	659.8
57.5°	506.0	503.4	524.0	539.9	549.2	574.7	633.0	699.9	728.3	725.6	691.3
60°	444.0	448.0	473.2	496.1	515.8	553.5	627.9	711.0	748.0	746.4	714.3
62.5°	380.6	386.4	416.3	446.7	474.8	523.3	608.8	706.8	756.6	756.4	726.5
65°	321.0	327.2	354.7	391.5	427.4	482.6	575.6	688.8	749.3	749.8	724.3
67.5°	268.1	271.4	300.2	340.8	375.8	434.7	532.8	653.4	726.3	728.7	706.5
70°	220.9	223.3	251.2	287.4	327.9	381.3	481.0	608.0	687.7	688.6	674.6
72.5°	181.2	183.5	210.3	242.4	279.8	334.6	427.6	545.9	629.7	638.5	625.5
75°	144.9	149.3	172.4	203.6	237.1	285.8	371.1	479.2	564.5	572.1	570.1
77.5°	118.1	124.1	142.5	169.3	200.1	242.4	314.6	413.4	495.6	501.8	503.4
80°	95.3	99.7	118.1	141.8	167.9	204.7	263.0	349.2	426.3	426.9	426.3
82.5°	77.3	80.6	97.0	118.5	141.6	172.2	220.5	291.3	349.6	356.7	358.0
85°	62.9	65.4	79.5	98.8	118.3	144.2	181.9	238.0	284.0	291.3	288.9
87.5°	50.5	53.8	65.1	81.5	99.7	120.3	151.3	192.5	229.3	232.4	232.0
90°	41.4	42.5	53.8	67.8	84.2	99.9	123.6	155.1	182.6	188.1	184.3
92.5°	33.5	35.2	44.8	57.4	70.2	84.0	102.6	127.4	144.5	147.8	146.0
95°	28.1	29.0	37.7	48.1	59.2	71.6	84.6	101.7	114.3	115.4	115.9
97.5°	23.5	24.4	31.5	41.0	50.5	60.5	70.5	83.1	91.5	91.3	90.6
100°	20.2	20.6	27.0	35.7	44.1	51.4	59.2	66.9	72.0	73.6	71.1
102.5°	17.5	17.7	23.3	30.8	37.9	44.3	50.1	55.6	57.6	57.8	56.7
105°	15.5	15.7	20.4	26.6	33.0	37.9	42.3	45.6	46.5	46.5	45.2
107.5°	13.7	14.0	17.5	23.5	29.2	33.2	36.3	38.1	37.7	37.4	36.6
110°	12.6	12.6	15.5	20.8	25.5	29.0	31.5	31.7	30.6	30.6	29.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	11.5	11.5	13.7	18.4	22.6	25.7	27.3	26.8	25.3	24.8	24.8
115°	10.6	10.6	12.2	16.2	20.2	22.6	23.7	22.6	20.8	20.6	20.4
117.5°	10.0	10.0	11.1	14.4	17.7	19.9	20.6	19.5	17.5	17.3	17.3
120°	9.3	9.3	10.2	12.6	15.7	17.5	17.9	16.6	14.6	14.6	14.8
122.5°	8.9	8.9	9.3	11.3	14.0	15.5	15.5	14.2	12.4	12.4	12.6
125°	8.4	8.4	8.6	10.0	12.2	13.5	13.3	11.7	10.6	10.6	10.9
127.5°	8.0	8.0	8.0	8.9	10.6	11.7	11.5	10.0	9.1	9.1	9.5
130°	7.5	7.5	7.3	7.8	9.1	10.0	9.5	8.4	7.8	7.8	8.2
132.5°	7.1	7.1	6.6	6.9	7.8	8.2	7.8	6.9	6.6	6.6	6.9
135°	6.6	6.4	6.2	6.0	6.4	6.6	6.2	5.5	5.5	5.5	6.0
137.5°	6.0	6.0	5.5	5.1	5.1	5.1	4.9	4.2	4.4	4.7	4.9
140°	5.5	5.5	5.1	4.4	4.0	4.0	3.5	3.3	3.5	3.8	4.0
142.5°	4.9	4.9	4.4	3.8	3.1	2.7	2.4	2.2	2.7	2.9	2.9
145°	4.2	4.2	3.8	2.9	2.2	1.6	1.3	1.6	1.8	2.0	2.2
147.5°	3.5	3.3	2.9	2.2	1.1	0.7	0.4	0.9	1.1	1.1	1.3
150°	2.7	2.7	2.2	1.6	0.7	0.0	0.2	0.4	0.7	0.7	0.9
152.5°	2.0	1.8	1.6	0.9	0.0	0.0	0.0	0.0	0.2	0.4	0.4
155°	1.1	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.2	0.2	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°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	74.2	73.6	72.7	72.0	71.3	70.5	70.0	69.3	69.3	69.3	69.8
5°	76.9	76.0	74.0	72.2	70.5	69.1	67.8	66.9	66.5	66.0	66.2
7.5°	81.8	80.6	77.5	74.4	72.0	69.6	67.8	66.2	65.6	65.4	65.4
10°	89.3	87.3	82.6	78.4	74.9	71.6	69.1	67.1	66.2	65.6	65.6
12.5°	99.5	96.6	91.1	85.3	80.0	75.6	72.0	70.5	69.8	69.3	69.6
15°	113.0	109.9	101.5	93.9	87.1	81.1	77.8	76.2	75.3	74.9	74.7
17.5°	128.7	124.3	114.1	104.4	95.7	89.1	84.9	82.4	80.9	80.0	80.2
20°	146.0	140.2	127.2	116.5	105.5	98.8	92.4	88.4	86.4	86.0	86.2
22.5°	165.5	159.5	144.5	128.9	117.4	107.5	99.7	94.6	92.2	91.9	91.9
25°	188.5	180.6	162.8	143.3	128.5	115.9	106.8	100.6	97.9	97.0	97.0
27.5°	214.7	204.1	182.1	159.7	139.4	123.4	112.8	105.7	102.8	102.1	102.1
30°	243.5	232.4	204.5	175.3	149.8	130.1	118.1	110.6	106.8	105.9	106.1
32.5°	275.2	260.8	225.5	191.9	158.9	135.4	121.6	114.1	109.9	108.8	108.8
35°	309.5	292.7	250.6	208.0	167.5	139.6	124.3	116.5	111.9	110.8	110.6
37.5°	348.1	327.0	276.5	222.9	174.4	142.2	126.1	118.1	113.0	111.4	111.2
40°	388.4	364.2	300.4	236.4	180.1	143.8	126.5	118.8	113.4	111.0	110.8
42.5°	426.1	399.5	327.7	248.8	183.7	144.5	126.3	118.5	113.0	109.7	109.4
45°	467.7	435.1	352.7	260.1	185.9	144.0	125.4	117.4	112.1	107.9	107.5
47.5°	511.4	473.9	375.8	268.3	186.8	142.7	124.3	116.5	110.6	105.9	105.5
50°	550.8	507.1	397.3	274.7	186.3	140.7	122.5	115.2	109.2	103.9	103.5
52.5°	589.3	541.9	414.1	278.3	184.1	138.5	121.0	113.7	107.7	102.1	101.5
55°	624.4	569.4	429.2	279.8	181.2	135.6	118.8	112.3	106.3	100.4	99.7
57.5°	651.4	595.3	440.2	277.8	176.8	132.3	116.5	110.3	104.8	98.8	98.2
60°	671.3	612.4	445.3	274.1	171.7	128.5	113.9	108.3	103.2	97.5	96.8
62.5°	683.3	621.9	444.2	267.4	165.3	124.7	111.4	106.3	101.7	95.9	95.5
65°	681.3	618.1	435.8	256.8	158.4	119.9	107.7	103.7	99.5	94.2	93.5
67.5°	665.1	602.9	418.7	243.5	150.7	115.0	104.1	100.1	96.6	91.9	90.6
70°	636.3	574.7	394.2	226.9	141.8	109.4	99.9	96.2	93.1	88.6	87.3
72.5°	587.8	533.7	362.9	209.6	132.3	103.0	94.4	91.3	88.0	84.4	82.9
75°	532.4	482.3	326.1	189.2	122.1	96.6	88.6	85.5	82.4	78.7	77.3
77.5°	472.1	424.1	288.0	171.3	111.7	89.3	82.2	79.5	76.4	72.4	70.9
80°	400.1	361.8	247.5	150.7	101.3	82.2	75.6	72.7	69.3	65.6	64.0
82.5°	335.2	301.3	210.0	132.0	90.8	74.9	69.1	64.9	61.8	58.0	55.4
85°	274.1	250.4	176.1	113.4	81.1	67.4	61.6	58.0	54.5	50.1	48.3
87.5°	220.5	200.3	144.7	97.9	71.6	60.0	54.7	51.2	47.2	42.5	41.0
90°	174.4	162.0	120.3	84.2	63.4	53.8	48.5	44.8	40.3	36.1	35.2
92.5°	138.3	129.6	99.5	71.6	55.8	47.6	42.8	39.0	34.6	30.4	29.0
95°	111.2	102.8	81.5	62.5	49.0	41.9	37.7	34.1	29.7	25.5	24.6
97.5°	88.8	82.2	66.9	52.5	43.0	37.2	33.5	29.7	25.3	21.5	21.0
100°	69.6	65.6	55.4	45.2	37.9	33.0	29.5	26.1	21.7	17.9	17.7
102.5°	55.6	53.4	46.1	39.0	33.2	29.2	26.4	22.8	18.8	15.3	15.1
105°	44.8	43.4	38.3	33.5	29.5	26.1	23.5	19.9	16.0	13.1	13.1
107.5°	36.3	35.2	32.1	28.6	25.9	23.5	20.6	17.5	13.7	11.3	11.3
110°	29.7	29.2	27.3	24.8	22.8	20.8	18.2	15.1	11.7	10.0	10.0



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.8	24.6	23.0	21.7	20.2	18.4	16.2	13.3	10.2	8.6	8.9
115°	20.6	20.6	19.7	18.8	17.7	16.4	14.2	11.3	8.6	7.8	7.8
117.5°	17.5	17.3	17.1	16.4	15.7	14.4	12.2	9.7	7.3	6.9	7.1
120°	15.1	15.1	14.6	14.4	13.7	12.4	10.6	8.2	6.2	6.2	6.2
122.5°	12.9	13.1	12.6	12.4	12.0	11.1	9.1	6.9	5.5	5.3	5.5
125°	11.3	11.3	11.1	10.9	10.4	9.3	7.8	5.8	4.7	4.9	4.9
127.5°	9.5	9.7	9.5	9.3	9.1	8.0	6.4	4.7	4.0	4.2	4.2
130°	8.4	8.4	8.2	8.0	7.5	6.6	5.3	3.8	3.5	3.8	3.8
132.5°	7.1	7.1	7.1	6.6	6.2	5.5	4.2	3.1	2.9	3.3	3.3
135°	6.0	6.0	6.0	5.5	5.1	4.2	3.1	2.4	2.4	2.9	2.9
137.5°	4.9	5.1	4.9	4.4	4.0	3.3	2.4	1.8	2.0	2.4	2.4
140°	4.0	4.0	3.8	3.5	2.9	2.2	1.6	1.3	1.8	2.0	2.0
142.5°	3.1	3.1	2.9	2.4	2.0	1.6	0.9	0.9	1.3	1.6	1.6
145°	2.2	2.2	2.0	1.6	1.1	0.7	0.2	0.4	0.9	1.1	1.1
147.5°	1.3	1.3	1.3	1.1	0.7	0.2	0.0	0.2	0.4	0.7	0.7
150°	0.9	0.9	0.9	0.7	0.4	0.0	0.0	0.0	0.2	0.4	0.4
152.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.2	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)