

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: P414172

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-727-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2143 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

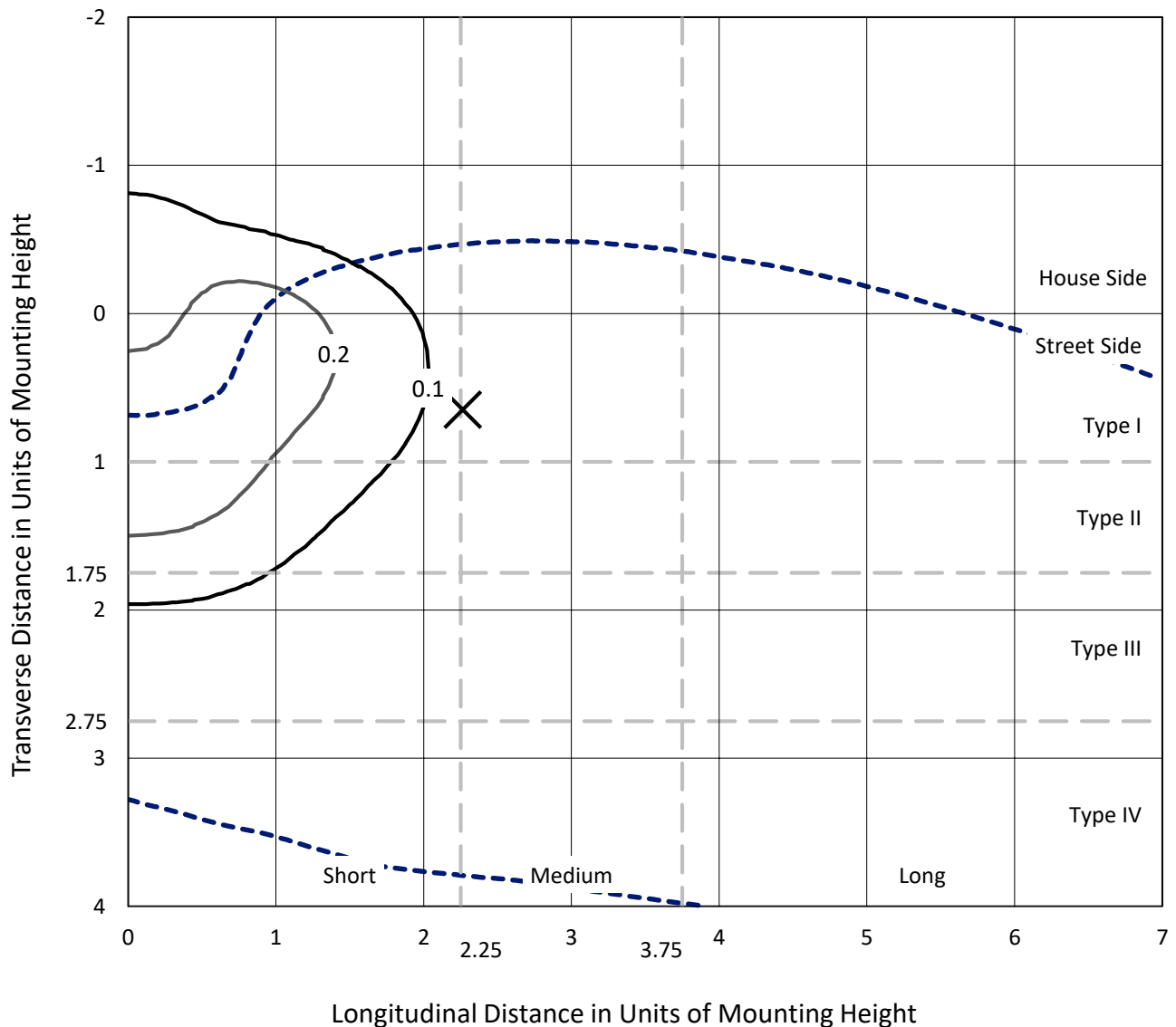
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414172  
 CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

### Iso-Footcandle Lines of Horizontal Illumination

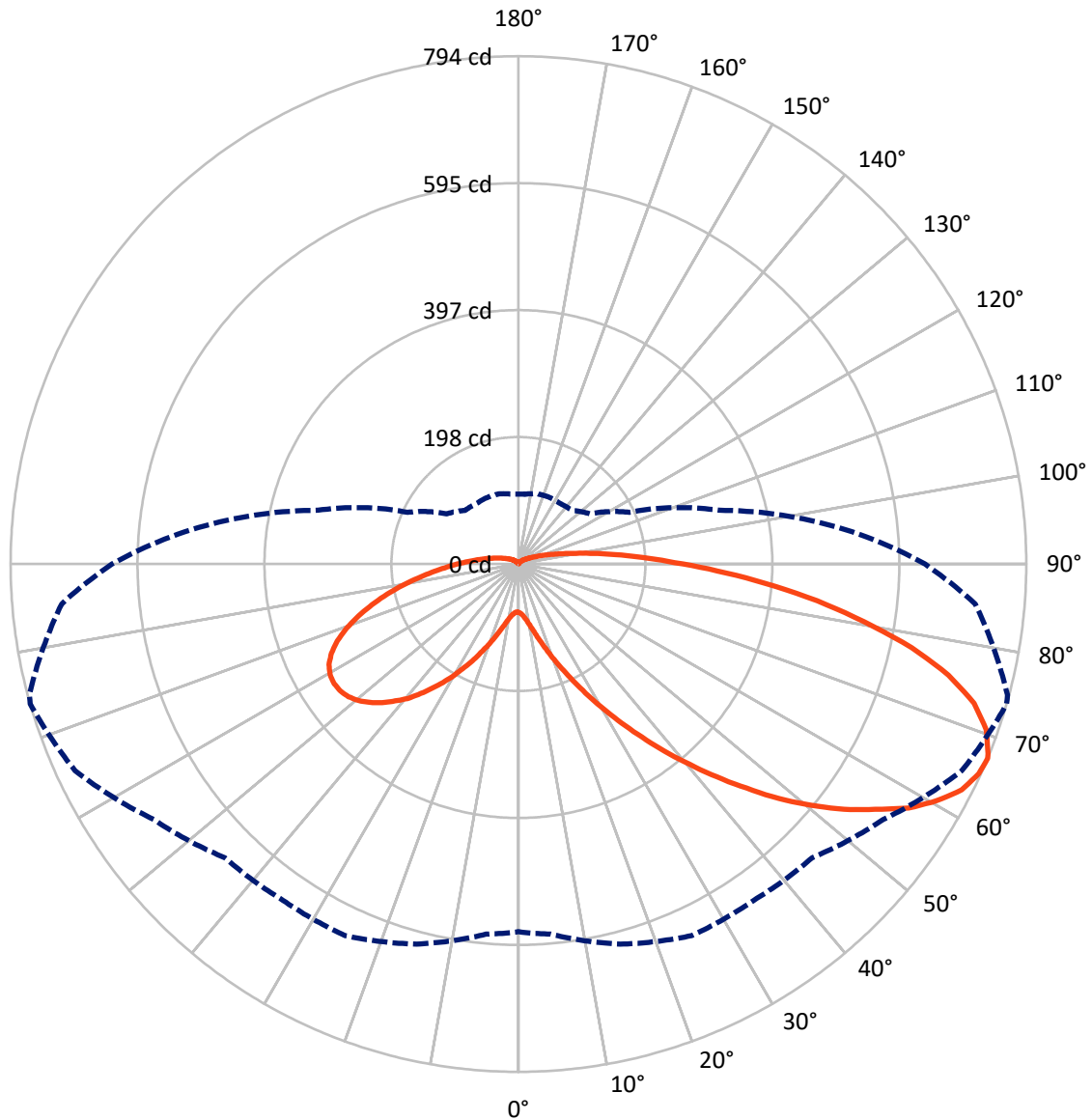
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414172  
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P414172

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	516.6	63.9	580.5
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	1451.3	111.2	1562.5
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	1967.9	175.1	2143.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	0.4
10°-20°	32.9	1.5
20°-30°	83.2	3.9
30°-40°	167.0	7.8
40°-50°	280.4	13.1
50°-60°	393.3	18.4
60°-70°	439.6	20.5
70°-80°	358.7	16.7
80°-90°	204.7	9.6
90°-100°	93.6	4.4
100°-110°	42.8	2.0
110°-120°	21.1	1.0
120°-130°	10.7	0.5
130°-140°	5.0	0.2
140°-150°	1.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1967.9	91.8
0°-180°	2143.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P414172

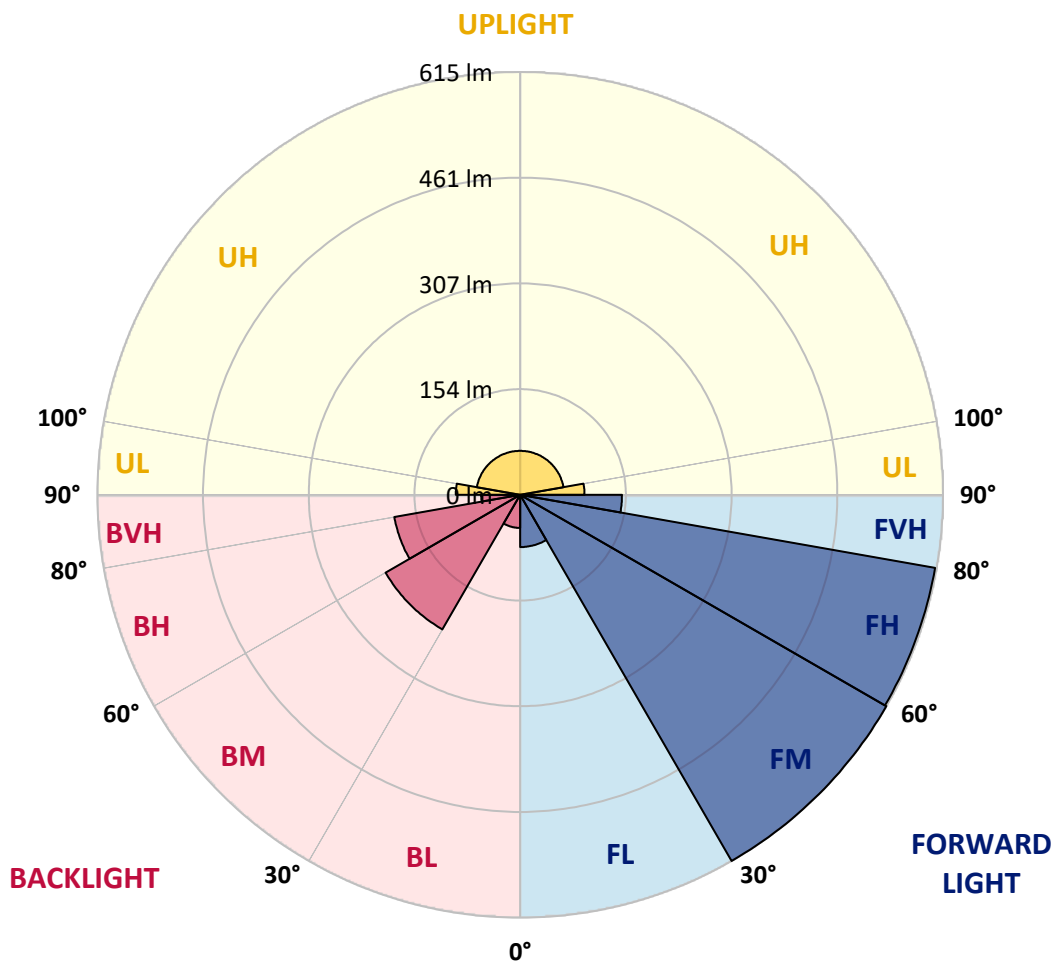
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.9	3.5			
FM	(30°-60°)	614.8	28.7			
FH	(60°-80°)	612.6	28.6			G0/660
FVH	(80°-90°)	148.0	6.9			G2/225
BL	(0°-30°)	48.1	2.2	B0/110		
BM	(30°-60°)	226.0	10.5	B1/1000		
BH	(60°-80°)	185.8	8.7	B1/500		G1/500
BVH	(80°-90°)	56.7	2.6			G1/100
UL	(90°-100°)	93.6	4.4		U3/500	
UH	(100°-180°)	63.9	3.0		U3/500	

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

Type IV Medium





REPORT NUMBER: P414172

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	82.1	81.6	81.6	81.1	80.9	79.9	79.1	78.1	77.6	77.4	76.6
5°	89.7	89.0	89.0	88.4	87.4	86.2	84.4	83.4	81.6	81.9	79.6
7.5°	98.8	98.5	98.0	97.0	95.8	94.2	92.5	90.2	88.2	88.2	85.4
10°	110.9	109.4	109.4	108.1	106.8	104.6	102.1	99.5	96.8	96.5	92.7
12.5°	125.5	125.2	123.7	122.0	119.9	117.7	113.6	111.1	108.4	108.1	104.1
15°	142.6	141.9	139.9	139.1	136.1	132.0	128.8	126.2	123.5	122.5	117.2
17.5°	162.8	161.8	161.0	157.2	154.7	151.4	147.7	144.4	139.6	139.1	133.3
20°	186.5	184.2	181.9	178.9	174.9	171.9	167.8	164.8	159.3	159.3	151.4
22.5°	211.4	210.9	208.9	203.9	198.3	195.3	191.5	185.5	180.9	179.7	171.1
25°	241.7	241.2	237.1	231.8	226.0	221.5	215.4	208.9	205.1	204.9	195.3
27.5°	275.9	276.7	269.6	262.8	255.0	247.7	241.2	237.9	232.8	232.1	221.0
30°	317.3	314.0	306.7	296.8	286.0	276.7	269.9	266.6	263.3	263.1	249.7
32.5°	359.3	355.6	349.3	335.6	320.5	306.2	302.9	300.1	296.3	294.3	281.0
35°	406.0	402.9	393.9	376.0	355.8	340.2	333.4	333.9	332.1	331.1	315.0
37.5°	457.4	452.1	439.7	422.3	392.6	375.7	367.9	372.2	371.2	369.2	352.3
40°	505.7	505.0	491.9	464.9	434.9	411.0	405.7	413.0	411.7	409.2	390.6
42.5°	561.7	556.1	541.5	511.3	475.0	448.5	442.7	453.6	455.1	455.6	430.6
45°	609.6	607.0	593.2	558.4	516.6	487.8	483.1	494.7	499.7	500.2	472.7
47.5°	656.2	655.2	641.1	605.0	557.1	526.7	520.4	537.0	547.6	545.3	512.8
50°	691.2	693.0	681.6	647.4	597.5	561.2	562.7	583.1	592.9	591.7	555.6
52.5°	721.2	718.7	713.9	681.4	629.5	596.2	598.0	622.4	637.0	636.3	596.2
55°	732.3	731.5	732.0	705.6	655.7	624.9	630.2	664.7	676.8	675.3	629.2
57.5°	730.0	729.5	737.3	719.9	676.8	647.6	659.7	699.5	719.4	717.4	664.0
60°	712.9	710.6	727.5	721.2	685.4	661.7	682.9	730.0	751.4	750.9	692.5
62.5°	674.3	677.8	701.3	707.1	682.9	669.0	696.7	753.7	777.6	775.9	712.9
65°	620.6	629.5	657.7	677.8	665.8	662.5	701.8	764.3	790.7	790.5	720.2
67°	574.8	580.8	615.1	640.8	641.6	649.1	696.0	764.5	793.8	791.5	716.7
67.5°	558.7	566.7	601.5	632.7	636.0	645.3	693.7	764.0	791.7	790.5	714.9
70°	485.6	494.9	533.0	572.3	592.4	612.6	673.1	749.9	775.6	772.8	694.5
72.5°	411.5	424.6	460.6	507.3	536.7	570.0	637.3	714.6	744.9	739.1	654.7
75°	340.4	349.3	384.3	434.7	473.0	518.1	588.4	667.0	694.2	689.4	604.0
77.5°	271.4	279.5	313.2	363.9	407.2	457.9	531.2	607.3	628.5	625.7	539.8
80°	214.2	220.0	252.5	297.6	342.2	396.4	465.9	534.0	547.8	549.8	468.9
82.5°	164.8	172.4	200.6	240.4	282.5	334.1	394.6	454.8	470.2	465.2	396.4
85°	126.0	132.3	157.5	191.3	233.3	276.9	330.9	380.2	387.1	381.3	321.3
87.5°	98.5	103.3	123.0	155.7	189.2	226.5	269.6	307.4	311.0	309.9	257.3
90°	76.4	80.6	97.0	123.0	153.7	185.7	219.5	245.9	244.2	245.7	202.8
92.5°	60.0	62.2	77.1	100.0	125.7	151.4	177.1	194.8	194.5	190.3	158.2
95°	48.6	49.9	62.7	81.9	102.6	123.0	142.1	153.5	153.0	148.4	123.5
97.5°	39.3	40.1	51.2	67.3	84.7	100.5	114.4	122.5	118.4	116.7	96.8
100°	32.3	32.8	42.3	56.2	70.6	84.2	94.0	97.3	91.7	90.7	76.1
102.5°	27.5	27.7	35.8	47.6	59.0	69.3	76.6	78.1	71.6	72.1	60.0
105°	23.4	23.7	30.0	40.6	50.1	58.0	63.2	62.5	57.2	56.4	47.9
107.5°	20.4	20.7	25.7	34.8	43.1	49.6	52.4	50.6	45.9	44.9	38.6



REPORT NUMBER: P414172

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	17.9	18.1	22.2	29.7	37.0	42.6	44.1	41.3	37.0	36.0	31.8
112.5°	16.1	16.1	19.4	25.7	32.3	36.8	37.3	34.5	29.7	29.2	26.5
115°	14.6	14.6	17.1	22.2	28.0	31.5	31.5	28.2	24.4	24.2	22.2
117.5°	13.4	13.4	15.1	19.4	24.2	27.2	26.7	23.7	20.4	20.2	19.2
120°	12.3	12.3	13.6	16.9	20.9	23.2	22.7	19.7	17.1	16.9	16.4
122.5°	11.3	11.6	12.3	14.9	18.1	19.9	19.4	16.9	14.6	14.4	14.4
125°	10.6	10.6	11.1	12.9	15.6	17.1	16.4	13.9	12.3	12.3	12.3
127.5°	9.8	9.8	10.1	11.3	13.4	14.4	13.6	11.6	10.8	10.6	10.8
130°	9.1	9.1	9.3	9.8	11.3	11.8	11.1	9.8	9.1	9.1	9.3
132.5°	8.3	8.3	8.3	8.6	9.3	9.8	9.1	8.1	7.8	7.8	8.1
135°	7.6	7.8	7.6	7.6	7.8	7.8	7.1	6.6	6.6	6.8	7.1
137.5°	6.8	6.8	6.6	6.3	6.3	6.0	5.5	5.3	5.5	5.5	5.8
140°	6.0	6.0	5.8	5.3	4.8	4.5	4.3	4.0	4.5	4.5	4.8
142.5°	5.3	5.3	4.8	4.3	3.5	3.0	2.8	3.0	3.5	3.5	3.8
145°	4.3	4.3	4.0	3.5	2.5	2.0	1.8	2.3	2.5	2.5	2.8
147.5°	3.5	3.3	3.0	2.5	1.8	1.3	1.0	1.5	1.8	1.8	2.0
150°	2.5	2.5	2.3	1.8	1.0	0.5	0.5	0.8	1.0	1.0	1.3
152.5°	1.8	1.8	1.5	1.0	0.5	0.0	0.3	0.5	0.5	0.5	0.8
155°	1.0	1.0	1.0	0.8	0.3	0.0	0.0	0.3	0.3	0.3	0.5
157.5°	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.5	0.3	0.3	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





REPORT NUMBER: P414172

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	76.1	75.6	75.1	74.3	73.8	73.3	72.8	72.6	72.6	72.3	72.6
5°	78.9	78.1	76.6	75.3	73.8	72.8	71.8	71.3	70.8	70.6	70.6
7.5°	83.9	82.9	80.4	78.1	75.8	74.1	72.8	71.6	71.1	70.8	70.8
10°	91.2	89.7	85.9	82.7	79.4	77.1	74.8	73.6	72.8	72.3	72.3
12.5°	101.6	99.0	94.2	88.7	84.4	81.4	78.6	77.4	77.1	77.1	77.1
15°	115.4	111.9	104.6	98.0	91.7	86.4	84.4	84.4	84.2	83.9	84.2
17.5°	129.8	125.7	116.7	108.4	100.5	95.3	92.0	91.2	91.0	90.7	91.0
20°	146.9	141.9	131.3	119.9	110.1	105.1	100.5	98.5	98.3	98.5	98.0
22.5°	166.3	160.8	145.1	131.5	120.7	113.6	108.4	105.6	106.1	106.1	105.8
25°	189.7	181.2	162.8	144.4	131.3	121.5	115.4	112.6	112.9	113.4	113.9
27.5°	213.4	203.6	180.2	157.7	140.6	129.3	122.2	119.2	118.9	120.4	120.2
30°	241.2	228.6	199.3	171.4	149.2	134.8	127.5	125.0	124.7	126.0	126.2
32.5°	270.9	255.3	219.2	185.0	156.7	139.6	131.3	129.5	129.0	130.3	130.5
35°	303.4	283.5	238.6	196.8	163.0	142.9	134.3	132.3	131.5	132.8	133.3
37.5°	334.9	311.7	258.5	207.4	168.1	144.9	135.6	134.1	133.0	133.8	134.1
40°	368.2	343.5	278.7	217.0	171.1	145.9	136.1	134.6	133.6	133.6	133.6
42.5°	404.7	372.7	295.1	223.8	172.9	145.6	135.6	133.8	132.5	131.5	131.5
45°	442.2	404.2	312.0	229.3	173.1	144.4	134.3	132.8	130.8	128.8	128.5
47.5°	478.8	432.7	326.8	232.3	172.4	142.6	132.5	130.5	128.8	125.7	125.7
50°	514.3	461.1	339.2	233.8	170.1	140.6	130.8	128.8	126.5	122.5	122.0
52.5°	546.8	487.1	348.5	233.3	166.8	137.8	128.5	126.7	124.0	119.2	119.2
55°	578.8	511.0	354.3	230.1	162.8	134.8	126.5	124.7	121.7	116.7	116.2
57.5°	605.0	528.2	356.6	225.0	158.2	131.5	124.5	122.7	119.9	114.4	114.4
60°	627.2	542.5	355.1	218.5	153.2	128.5	122.0	121.0	118.4	113.1	113.1
62.5°	640.0	548.3	349.3	210.2	147.4	125.2	119.7	119.2	116.9	111.9	111.9
65°	642.8	544.5	337.4	199.8	141.6	121.5	117.2	116.9	115.4	110.6	110.1
67°	635.3	534.7	324.3	191.0	136.6	118.4	114.9	114.9	113.6	109.4	109.1
67.5°	632.5	530.9	320.8	188.7	135.6	117.9	114.4	114.7	113.4	109.1	108.4
70°	608.3	505.5	299.1	175.9	128.5	113.4	111.1	111.4	110.4	107.1	106.3
72.5°	570.8	468.9	273.7	163.5	121.5	108.9	106.6	107.6	106.6	104.1	102.6
75°	520.1	424.3	247.2	149.4	114.4	103.3	101.8	102.3	102.1	99.5	98.3
77.5°	460.4	375.2	219.0	136.3	106.6	97.8	96.3	97.0	96.5	94.2	92.7
80°	395.6	323.3	191.8	123.2	98.5	91.5	90.0	90.2	90.0	87.7	85.7
82.5°	332.1	272.4	164.0	110.4	90.7	84.7	82.9	82.7	82.1	79.6	78.1
85°	274.2	223.8	140.1	98.0	82.7	77.1	75.6	74.6	73.8	71.1	70.1
87.5°	218.5	182.9	118.4	87.4	74.6	70.1	68.0	66.3	65.0	62.5	61.5
90°	174.4	147.4	101.0	76.6	67.3	63.2	60.5	58.2	56.7	53.9	52.4
92.5°	138.3	117.4	84.9	67.3	60.2	56.7	54.2	51.4	49.4	45.9	45.1
95°	109.6	94.5	71.6	59.0	53.4	50.4	48.1	45.1	42.3	38.8	38.1
97.5°	86.7	77.1	60.2	51.7	47.1	44.6	42.3	39.3	36.3	32.8	32.3
100°	69.3	62.0	51.7	45.1	42.1	39.6	37.3	34.5	30.7	27.2	27.2
102.5°	55.7	50.9	43.3	39.6	37.0	35.0	33.0	30.2	26.2	22.4	22.4
105°	45.1	42.1	37.3	34.5	32.8	31.2	29.2	26.0	21.9	18.9	18.9
107.5°	37.0	34.8	32.0	30.0	29.0	27.5	25.7	22.4	18.6	15.9	15.9



REPORT NUMBER: P414172

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.7	29.2	27.2	26.5	25.7	24.4	22.4	19.4	15.6	13.6	13.6
112.5°	25.7	24.9	23.4	23.2	22.7	21.7	19.7	16.6	13.1	11.8	11.8
115°	21.9	21.4	20.4	20.4	19.9	19.2	17.1	14.4	11.3	10.1	10.3
117.5°	18.6	18.4	17.9	17.9	17.6	16.9	14.9	12.3	9.6	9.1	9.1
120°	16.4	16.1	15.9	15.6	15.6	14.6	12.9	10.3	8.3	8.1	8.1
122.5°	14.1	14.1	13.9	13.9	13.6	12.6	11.1	8.8	7.3	7.1	7.1
125°	12.3	12.3	12.1	12.1	11.8	11.1	9.6	7.6	6.3	6.3	6.3
127.5°	10.8	10.8	10.6	10.6	10.3	9.3	8.1	6.3	5.5	5.5	5.8
130°	9.6	9.6	9.3	9.1	8.8	8.1	6.6	5.3	4.8	5.0	5.0
132.5°	8.3	8.1	8.1	7.8	7.3	6.6	5.5	4.5	4.3	4.5	4.5
135°	7.1	7.1	6.8	6.6	6.0	5.5	4.5	3.8	3.8	4.0	4.0
137.5°	6.0	6.0	5.8	5.3	5.0	4.3	3.5	3.0	3.3	3.5	3.5
140°	4.8	5.0	4.8	4.3	3.8	3.3	2.8	2.5	2.8	3.0	3.3
142.5°	4.0	4.0	3.8	3.3	2.8	2.3	2.0	2.0	2.5	2.8	2.8
145°	3.0	3.0	2.8	2.5	1.8	1.5	1.3	1.8	2.0	2.3	2.3
147.5°	2.0	2.0	2.0	1.5	1.0	0.8	0.8	1.3	1.8	1.8	1.8
150°	1.3	1.3	1.3	1.0	0.5	0.3	0.5	1.0	1.3	1.5	1.5
152.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.8	1.0	1.0	1.0
155°	0.5	0.5	0.5	0.3	0.3	0.0	0.3	0.5	0.8	0.8	0.8
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3	0.3
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)