

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: P414154

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2077 lumens  
Efficiency: N/A  
Efficacy: 98.9 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 - G2

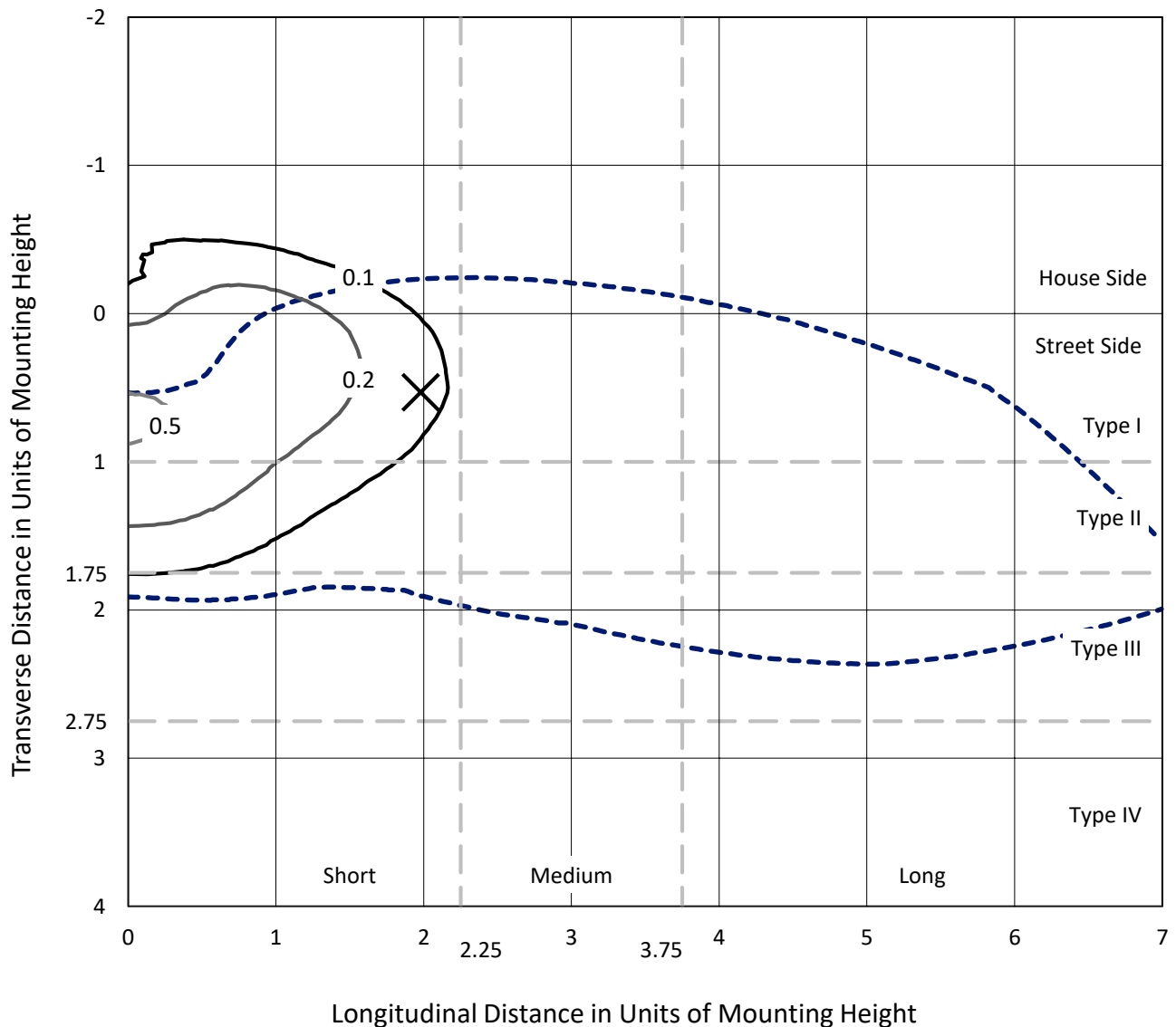
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414154  
 CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

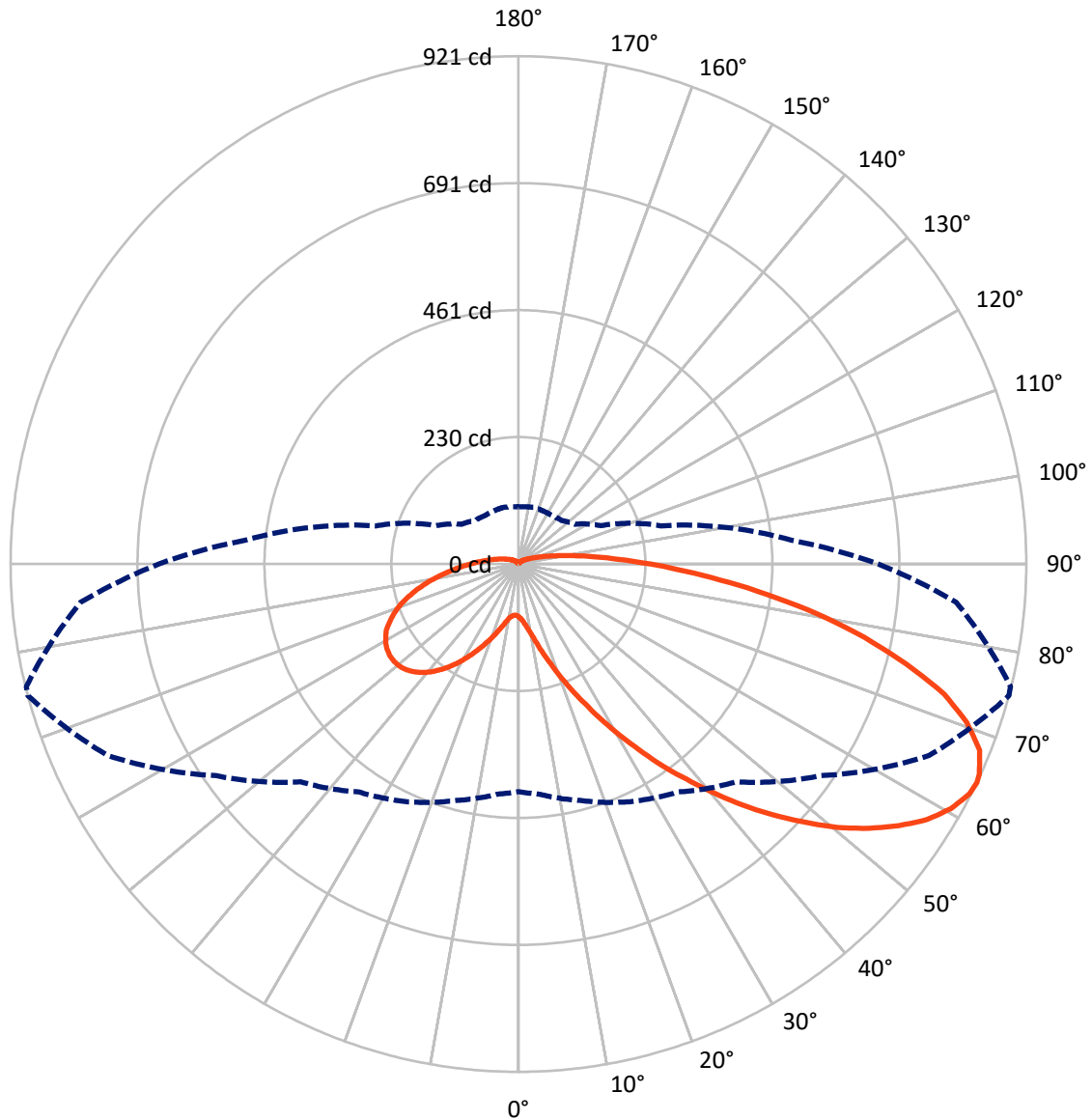


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P414154

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P414154

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

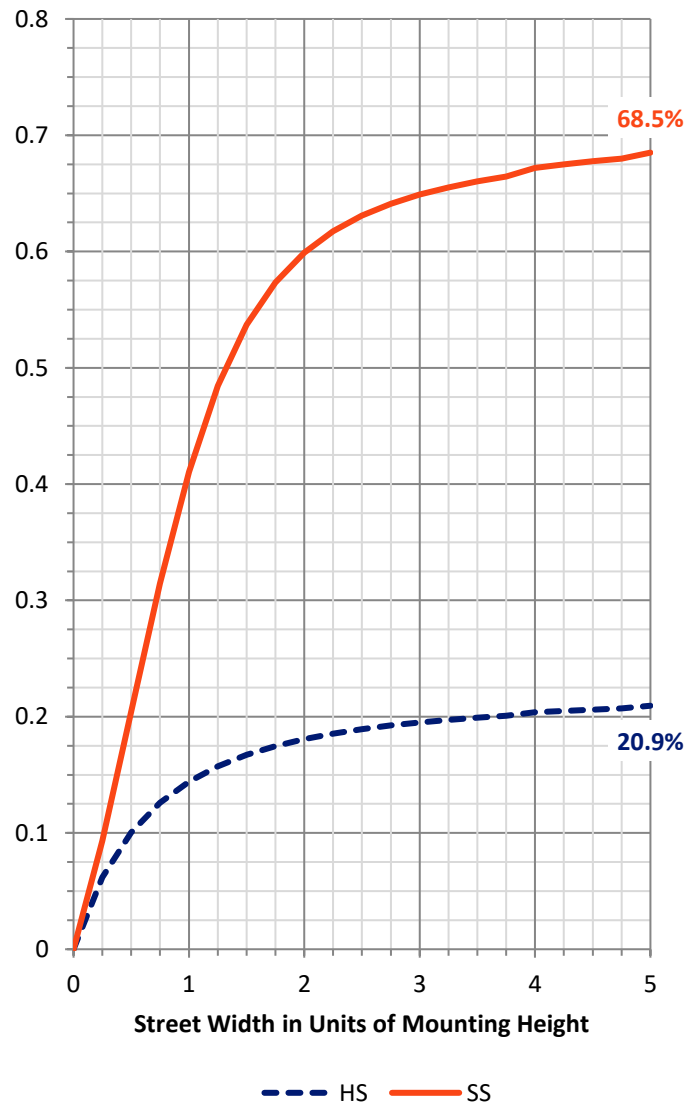
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	458.1	60.3	518.4
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	1466.8	91.8	1558.6
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	1924.9	152.1	2077.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.5
10°-20°	41.9	2.0
20°-30°	106.1	5.1
30°-40°	207.7	10.0
40°-50°	323.1	15.6
50°-60°	396.3	19.1
60°-70°	385.2	18.5
70°-80°	290.5	14.0
80°-90°	164.0	7.9
90°-100°	77.4	3.7
100°-110°	37.4	1.8
110°-120°	19.6	0.9
120°-130°	10.6	0.5
130°-140°	5.2	0.2
140°-150°	1.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1924.9	92.7
0°-180°	2077.0	100.0



REPORT NUMBER: P414154

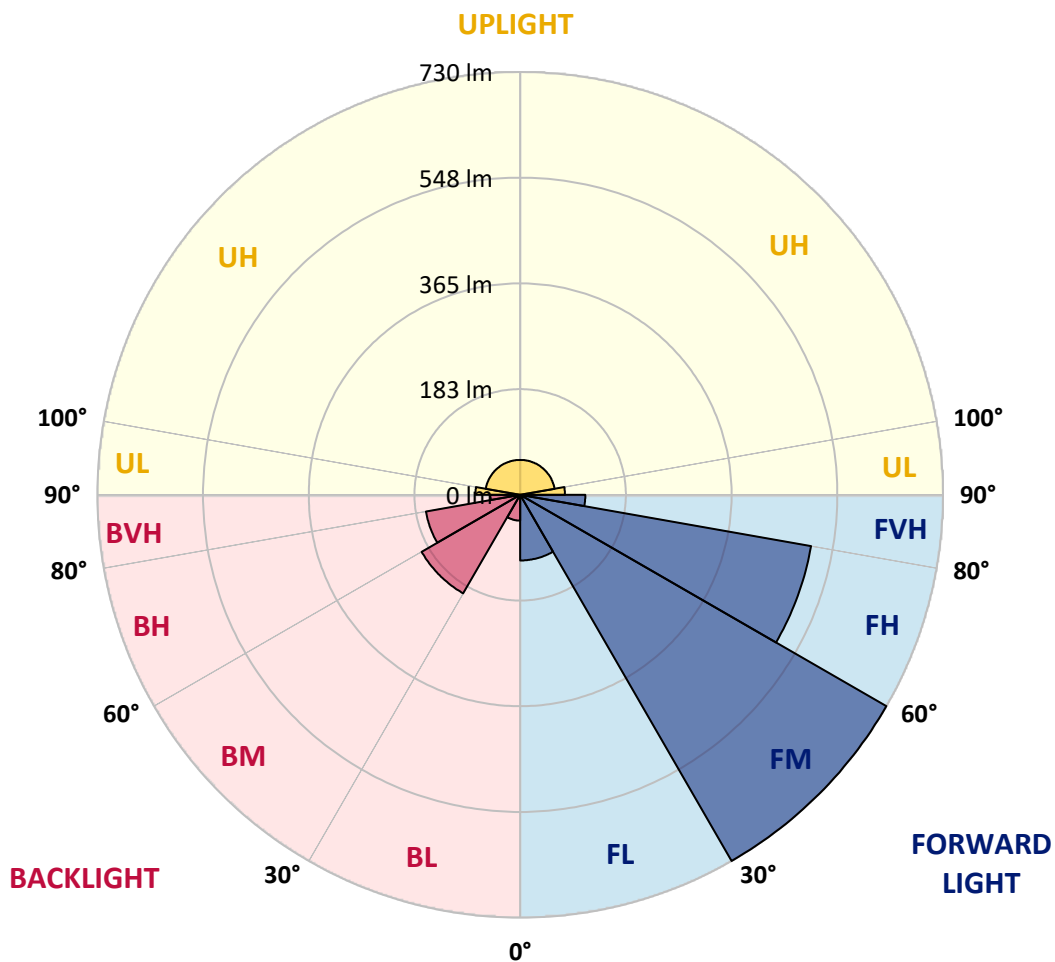
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.5	5.5			
FM	(30°-60°)	730.5	35.2			
FH	(60°-80°)	510.3	24.6			G0/660
FVH	(80°-90°)	112.5	5.4			G2/225
BL	(0°-30°)	44.6	2.1	B0/110		
BM	(30°-60°)	196.6	9.5	B0/220		
BH	(60°-80°)	165.4	8.0	B1/500		G1/500
BVH	(80°-90°)	51.5	2.5			G1/100
UL	(90°-100°)	77.4	3.7		U3/500	
UH	(100°-180°)	60.3	2.9		U3/500	

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

Type III Short





REPORT NUMBER: P414154

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	111.6	110.6	110.1	109.9	108.1	106.3	104.3	102.3	100.0	99.5	97.5
5°	129.0	127.8	127.3	125.8	123.2	120.2	115.9	111.9	106.9	107.1	102.6
7.5°	148.9	147.9	146.4	144.1	140.4	136.3	130.0	124.0	117.2	116.4	109.9
10°	171.6	170.9	169.3	165.8	161.0	154.2	147.9	138.9	129.3	128.8	119.2
12.5°	198.8	197.8	193.5	190.0	183.7	177.4	167.8	157.0	146.7	145.4	133.6
15°	229.6	228.1	225.0	219.5	212.7	202.4	192.3	181.4	167.8	165.6	151.7
17.5°	261.1	261.1	257.3	250.7	241.4	232.4	221.3	207.7	190.5	190.3	171.9
20°	300.6	300.1	294.3	284.8	275.4	265.9	252.5	237.1	218.0	216.2	193.8
22.5°	343.5	343.0	335.9	325.6	313.5	299.9	285.0	268.9	248.0	245.7	219.5
25°	389.9	389.6	382.3	366.4	351.0	338.2	322.8	304.9	280.7	280.2	248.7
27.5°	446.3	443.5	432.2	412.8	393.4	376.8	358.9	342.7	318.5	314.8	279.7
30°	500.7	499.2	483.9	462.9	436.2	414.3	396.2	383.8	358.9	355.3	316.0
32.5°	556.9	555.9	537.3	513.1	480.1	452.9	438.7	425.4	401.4	399.9	351.8
35°	619.2	615.1	593.7	560.5	522.2	491.7	479.1	473.0	449.3	443.8	391.1
37.5°	670.1	667.1	647.7	607.1	562.0	529.2	519.6	515.6	495.2	492.9	433.7
40°	719.2	717.0	693.3	649.4	598.0	565.3	555.7	562.5	546.1	542.6	476.5
42.5°	754.8	751.7	729.8	683.2	629.3	594.7	594.5	610.1	598.3	594.5	520.9
45°	775.9	772.9	754.8	709.9	653.7	620.4	626.2	653.7	650.2	645.6	561.5
47.5°	777.9	776.2	763.1	721.5	668.6	640.6	657.2	696.5	700.3	696.0	604.8
50°	759.5	761.3	753.0	720.0	673.9	653.7	682.4	737.1	751.0	745.9	647.9
52.5°	724.8	722.8	726.3	702.8	668.3	658.2	699.6	771.1	796.6	791.6	687.7
55°	666.8	668.3	680.7	671.9	650.9	652.9	709.9	798.1	837.9	833.9	723.8
57.5°	605.8	602.3	624.5	626.0	620.2	638.8	711.2	818.5	874.5	870.2	754.8
60°	525.9	534.5	554.4	571.6	581.6	615.4	702.8	829.1	901.2	899.9	779.7
62.5°	456.9	458.7	485.6	511.6	535.8	582.4	684.5	828.9	918.6	917.1	794.6
64°	413.0	418.8	444.3	475.8	504.8	558.7	669.3	821.8	921.3	920.1	797.1
65°	389.1	388.3	418.8	450.6	481.8	540.8	654.0	814.2	918.8	918.8	796.1
67.5°	323.3	325.8	352.6	389.1	427.7	493.4	614.6	787.3	902.2	903.9	781.5
70°	266.6	270.4	299.6	332.1	374.7	445.8	566.0	738.6	863.1	865.6	750.0
72.5°	220.0	224.3	245.7	278.5	325.6	395.7	511.1	677.6	807.9	808.9	697.3
75°	178.9	183.7	205.4	233.9	274.7	341.7	451.1	611.4	727.5	732.6	629.3
77.5°	145.7	150.7	170.6	196.3	235.1	292.3	391.6	534.8	642.1	645.1	551.4
80°	117.7	123.0	140.6	164.8	198.6	249.0	335.9	456.4	549.9	549.9	471.3
82.5°	95.5	100.0	115.9	136.8	167.6	210.2	282.2	379.3	454.6	454.9	389.4
85°	77.1	79.9	95.5	113.9	139.4	176.2	233.4	308.7	366.7	361.4	313.7
87.5°	62.0	64.5	77.6	95.5	115.7	146.9	191.5	251.3	288.3	290.1	250.5
90°	49.9	51.4	63.5	78.6	97.3	121.5	155.7	199.8	226.8	224.5	196.3
92.5°	40.6	42.3	52.7	66.3	81.9	102.1	128.3	158.3	175.6	176.2	153.5
95°	33.3	34.3	43.8	55.9	70.1	85.4	104.6	126.0	137.8	136.3	119.5
97.5°	27.7	28.2	37.0	47.9	59.5	72.1	87.2	100.3	106.9	105.8	93.5
100°	23.4	23.9	31.5	41.6	51.4	61.5	72.1	80.9	83.2	81.9	73.6
102.5°	20.4	20.7	27.0	36.0	44.4	52.7	60.0	65.5	65.3	65.3	58.2
105°	17.9	18.1	23.4	31.5	39.1	45.6	50.7	53.4	52.4	51.9	46.6
107.5°	16.1	16.4	20.7	27.7	34.5	39.6	43.3	44.1	42.1	41.6	37.8



REPORT NUMBER: P414154

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	14.6	14.6	18.1	24.4	30.5	34.5	37.0	37.0	34.0	33.8	31.2
112.5°	13.4	13.6	16.4	21.7	27.0	30.5	32.0	30.7	28.0	27.7	26.5
115°	12.3	12.6	14.6	19.4	23.9	27.0	27.7	26.0	23.2	22.9	21.9
117.5°	11.6	11.8	13.4	17.1	21.4	23.7	23.9	22.2	19.4	19.2	18.9
120°	11.1	11.1	12.3	15.4	18.9	20.9	20.7	18.9	16.6	16.4	16.4
122.5°	10.6	10.6	11.3	13.6	16.6	18.4	18.1	16.1	14.1	14.1	14.1
125°	10.1	10.1	10.6	12.3	14.9	16.1	15.6	13.9	12.1	12.1	12.6
127.5°	9.6	9.6	9.8	10.8	13.1	13.9	13.4	11.6	10.6	10.6	10.8
130°	9.1	9.1	9.1	9.8	11.3	11.8	11.3	9.8	9.1	9.1	9.6
132.5°	8.6	8.6	8.6	8.6	9.6	10.1	9.3	8.1	7.8	8.1	8.3
135°	8.1	8.1	7.8	7.6	8.1	8.3	7.6	6.8	6.8	6.8	7.3
137.5°	7.6	7.3	7.1	6.8	6.6	6.6	6.0	5.3	5.8	5.8	6.3
140°	6.8	6.6	6.3	5.8	5.3	5.0	4.5	4.3	4.8	4.8	5.0
142.5°	6.0	5.8	5.5	4.8	4.0	3.5	3.0	3.3	3.8	3.8	4.0
145°	5.0	5.0	4.5	3.8	3.0	2.5	2.0	2.3	2.8	2.8	3.0
147.5°	4.3	4.0	3.8	3.0	2.0	1.5	1.0	1.5	2.0	2.0	2.3
150°	3.3	3.0	2.8	2.0	1.3	0.5	0.5	1.0	1.3	1.3	1.5
152.5°	2.3	2.3	2.0	1.3	0.5	0.0	0.3	0.5	0.8	0.8	1.0
155°	1.5	1.3	1.0	0.8	0.3	0.0	0.0	0.3	0.5	0.5	0.5
157.5°	0.8	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	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





REPORT NUMBER: P414154

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	96.3	95.3	93.0	91.0	89.0	87.2	86.2	84.9	84.7	84.4	84.4
5°	99.8	97.5	93.0	88.7	84.7	81.4	78.9	76.4	75.1	74.6	74.3
7.5°	105.8	102.3	95.0	88.5	82.4	77.4	73.3	70.3	68.5	67.5	67.3
10°	114.2	109.1	99.0	90.0	81.9	75.4	70.3	66.8	64.5	63.5	63.3
12.5°	127.3	119.2	106.6	93.7	83.2	75.1	69.3	65.5	64.5	63.5	63.5
15°	142.1	134.1	116.7	100.8	87.2	76.6	71.6	69.0	67.5	66.8	66.5
17.5°	161.3	148.9	128.0	108.4	92.2	82.2	75.6	72.8	71.3	70.6	70.3
20°	180.9	166.3	140.6	116.7	99.0	88.7	80.9	76.6	75.1	74.3	74.1
22.5°	204.4	186.7	153.7	125.5	106.9	94.8	85.9	80.9	79.1	78.4	78.6
25°	228.3	209.4	167.8	134.8	114.2	99.8	90.7	84.9	83.7	82.7	82.7
27.5°	257.6	232.4	182.2	145.4	120.5	104.3	95.0	89.2	86.9	86.9	86.7
30°	288.3	256.8	197.8	154.5	126.0	108.4	98.3	93.0	90.7	90.5	90.5
32.5°	318.3	283.0	213.2	163.6	130.3	111.1	101.3	96.3	93.5	93.2	93.5
35°	353.3	309.7	227.6	170.9	134.1	113.4	103.6	99.0	96.0	95.8	95.8
37.5°	386.6	337.2	241.4	176.7	136.6	114.9	105.3	101.3	98.0	97.8	97.5
40°	421.4	363.1	254.0	181.4	137.8	115.9	106.3	102.8	99.8	98.8	98.8
42.5°	456.6	389.4	264.6	184.2	138.6	116.2	107.1	103.8	101.1	99.3	99.3
45°	489.6	411.8	273.4	185.7	138.6	116.4	107.6	104.6	102.1	99.8	99.5
47.5°	525.9	434.5	280.2	186.0	137.8	115.9	107.9	105.3	102.6	100.0	99.8
50°	557.7	455.9	284.5	185.2	136.8	115.7	108.1	105.6	103.3	100.3	100.3
52.5°	585.7	473.0	286.5	183.2	135.6	115.2	108.1	106.1	104.1	100.8	100.6
55°	610.4	486.4	286.3	180.2	133.6	114.4	107.9	106.1	104.6	101.1	101.1
57.5°	631.5	495.7	284.0	176.7	131.5	113.9	107.9	106.3	105.1	101.8	101.8
60°	645.9	501.0	279.5	172.4	129.5	112.9	107.6	106.6	105.8	102.6	102.8
62.5°	652.7	500.2	272.4	167.8	127.3	111.9	107.1	106.3	106.1	103.6	103.6
64°	652.2	496.7	267.6	164.6	125.8	111.4	106.9	106.1	106.3	104.1	104.1
65°	648.9	491.7	262.6	162.0	124.5	110.9	106.3	105.8	106.3	104.1	104.1
67.5°	633.0	476.0	249.7	155.7	121.2	108.6	104.8	104.6	105.3	103.8	103.6
70°	601.5	451.3	235.9	147.7	117.2	106.1	102.6	102.3	103.3	102.1	101.6
72.5°	558.7	417.1	219.0	139.4	112.4	102.6	99.5	99.3	99.8	99.0	98.3
75°	504.8	376.8	200.1	130.0	107.1	98.0	95.3	94.8	95.5	94.5	94.0
77.5°	444.8	332.1	180.2	120.2	100.3	93.0	90.2	89.5	89.5	88.2	86.9
80°	378.8	286.5	160.3	110.1	93.2	86.7	84.4	83.4	82.7	80.6	79.4
82.5°	316.3	243.7	139.9	99.8	85.7	79.9	77.6	76.4	74.6	72.1	70.3
85°	257.3	202.9	121.2	88.7	78.1	72.6	70.8	68.5	66.3	63.5	61.2
87.5°	206.6	166.1	104.6	78.9	69.6	65.3	63.3	60.2	58.0	54.9	52.9
90°	164.1	136.1	89.5	69.3	62.0	58.2	56.4	53.4	50.1	46.9	45.1
92.5°	132.3	110.9	77.1	61.2	55.4	52.2	49.9	46.9	43.1	39.8	38.6
95°	105.1	89.7	65.8	54.2	49.1	46.1	43.8	41.1	37.0	33.3	32.3
97.5°	83.2	73.8	56.2	47.6	43.6	41.1	38.6	36.0	32.0	28.2	27.7
100°	66.8	60.0	48.1	42.1	38.6	36.3	34.3	31.5	27.7	23.7	23.7
102.5°	53.9	49.6	41.3	37.0	34.3	32.3	30.2	27.7	23.9	20.4	20.2
105°	44.1	41.1	35.5	32.8	30.5	29.0	27.0	24.2	20.7	17.4	17.1
107.5°	36.8	34.0	30.7	29.0	27.2	25.7	24.2	21.4	17.9	15.1	15.1



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.2	29.2	26.7	25.5	24.4	22.9	21.4	18.6	15.4	13.4	13.4
112.5°	25.7	24.7	23.4	22.7	21.7	20.7	18.9	16.4	13.4	11.8	11.8
115°	21.7	21.2	20.4	19.9	19.4	18.4	16.6	14.1	11.3	10.3	10.6
117.5°	18.9	18.6	18.1	17.9	17.4	16.1	14.6	12.3	9.8	9.3	9.3
120°	16.4	16.4	15.9	15.9	15.4	14.4	12.6	10.6	8.6	8.3	8.3
122.5°	14.4	14.4	14.1	14.1	13.6	12.6	11.1	9.1	7.3	7.3	7.6
125°	12.6	12.6	12.3	12.3	12.1	11.1	9.6	7.8	6.6	6.6	6.6
127.5°	11.1	11.1	11.1	10.8	10.3	9.6	8.1	6.6	5.8	5.8	5.8
130°	9.8	9.8	9.6	9.6	9.1	8.1	6.8	5.5	4.8	5.3	5.3
132.5°	8.6	8.6	8.6	8.1	7.6	6.8	5.5	4.5	4.3	4.5	4.5
135°	7.3	7.6	7.3	7.1	6.6	5.5	4.5	3.8	3.8	4.0	4.0
137.5°	6.3	6.3	6.3	5.8	5.3	4.5	3.5	3.0	3.3	3.5	3.5
140°	5.3	5.3	5.0	4.8	4.3	3.5	2.8	2.3	2.8	3.0	3.0
142.5°	4.3	4.3	4.0	3.8	3.0	2.5	1.8	1.8	2.3	2.5	2.5
145°	3.3	3.3	3.0	2.8	2.3	1.5	1.3	1.5	2.0	2.0	2.0
147.5°	2.3	2.3	2.3	1.8	1.3	0.8	0.5	1.0	1.5	1.5	1.8
150°	1.5	1.5	1.5	1.3	0.8	0.3	0.3	0.8	1.0	1.3	1.3
152.5°	1.0	1.0	1.0	0.8	0.5	0.0	0.0	0.5	0.8	0.8	0.8
155°	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.3	0.5	0.5	0.5
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.5	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	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)