

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: P414319

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414319  
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-PA1-20-750-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2555 lumens  
Efficiency: N/A  
Efficacy: 121.7 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 (A<sub>in</sub>): 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

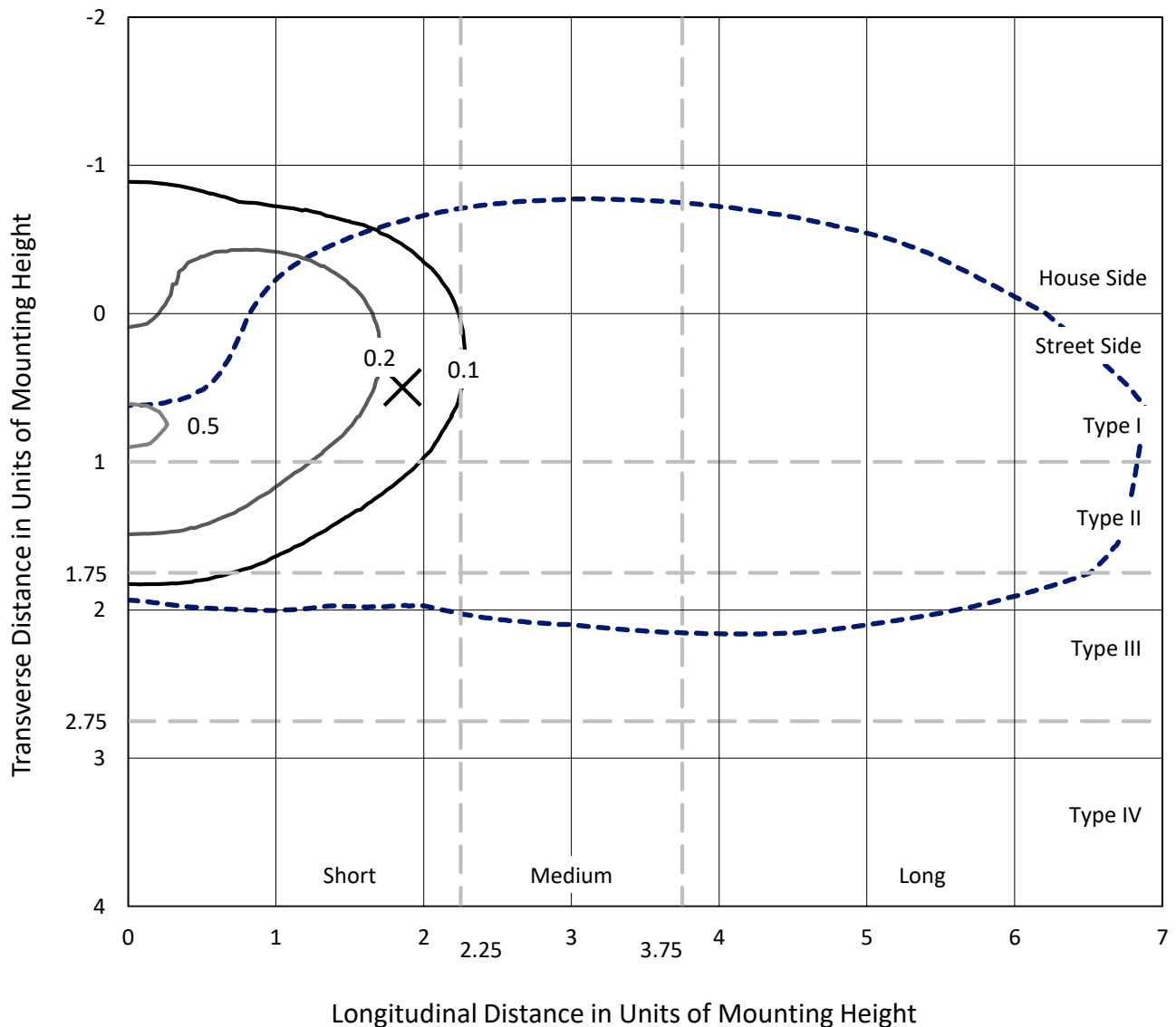


REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

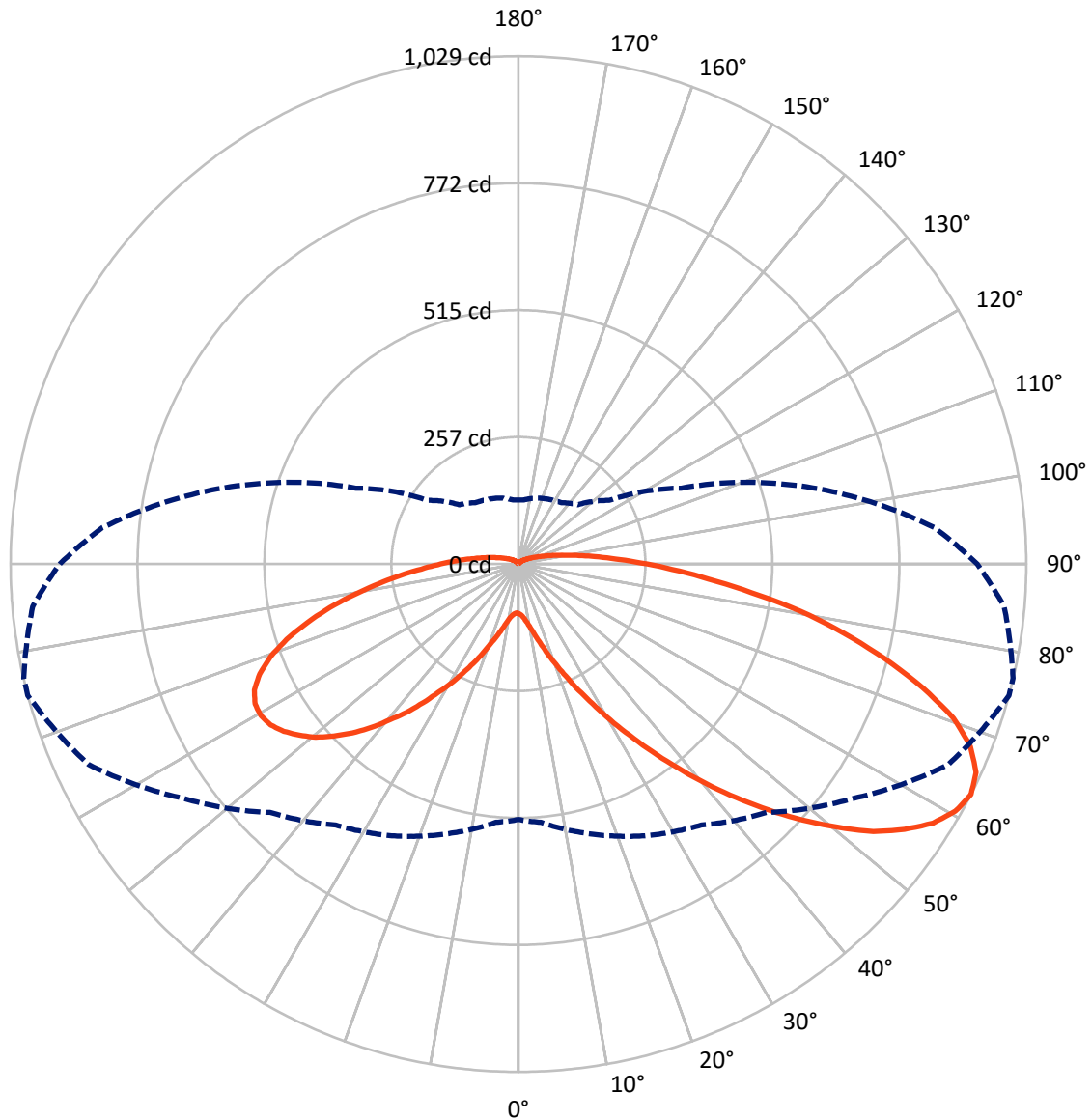


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

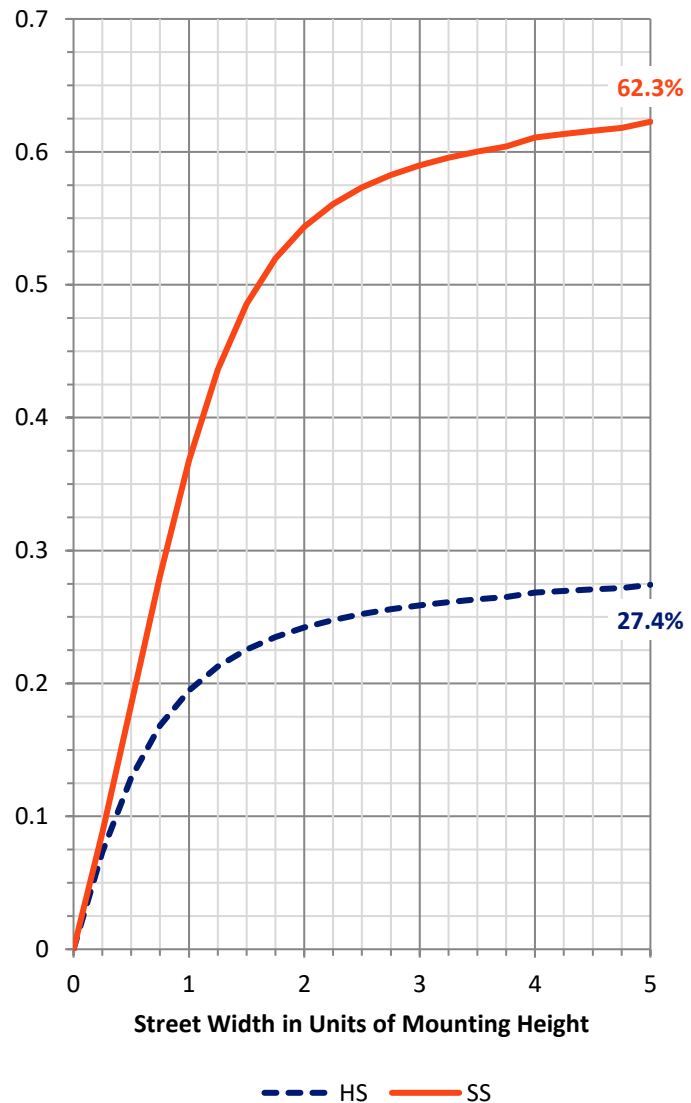
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	730.7	77.7	808.4
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	1640.0	106.7	1746.6
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	2370.6	184.3	2555.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.4
10°-20°	44.5	1.7
20°-30°	115.0	4.5
30°-40°	235.4	9.2
40°-50°	390.4	15.3
50°-60°	506.5	19.8
60°-70°	498.8	19.5
70°-80°	366.5	14.3
80°-90°	202.9	7.9
90°-100°	95.8	3.7
100°-110°	45.8	1.8
110°-120°	23.4	0.9
120°-130°	12.1	0.5
130°-140°	5.5	0.2
140°-150°	1.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2370.6	92.8
0°-180°	2555.0	100.0



REPORT NUMBER: P414319

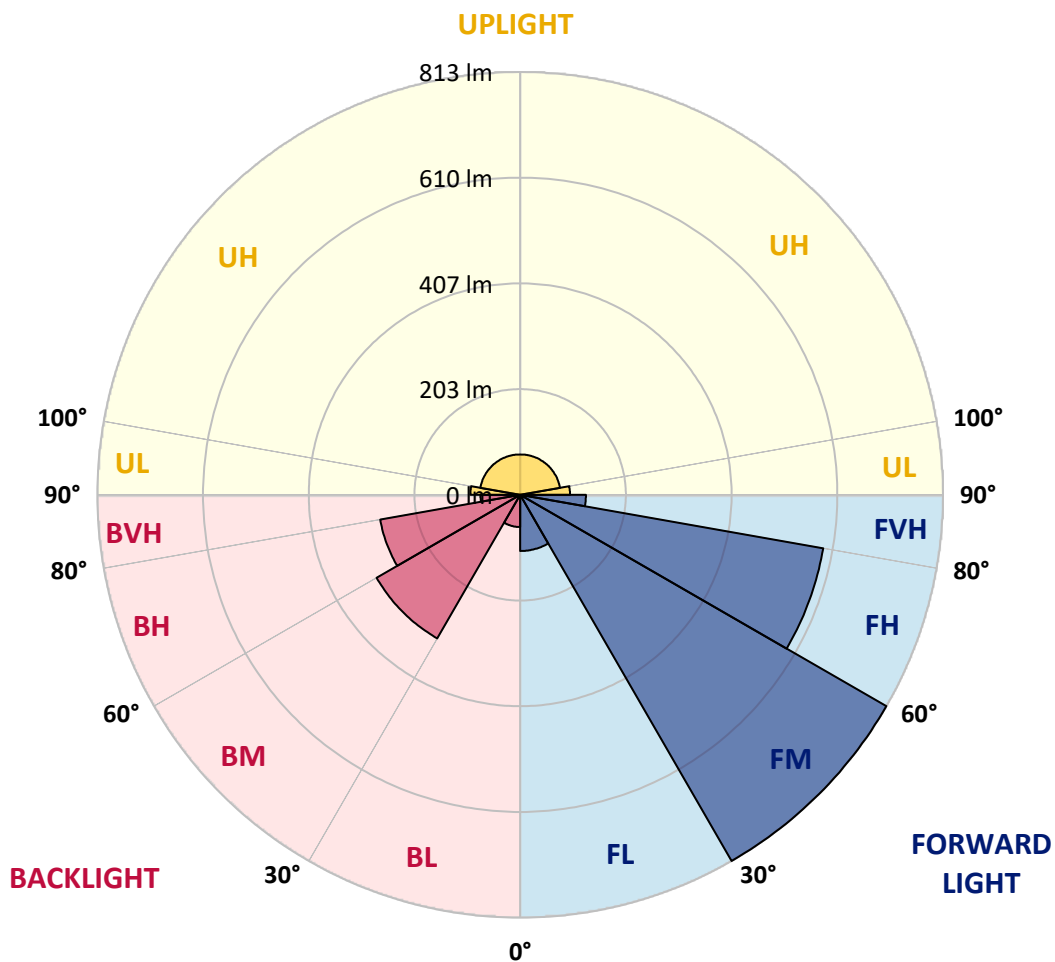
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.1	4.2			
FM	(30°-60°)	813.4	31.8			
FH	(60°-80°)	592.1	23.2			G0/660
FVH	(80°-90°)	126.4	4.9			G2/225
BL	(0°-30°)	62.0	2.4	B0/110		
BM	(30°-60°)	318.9	12.5	B1/1000		
BH	(60°-80°)	273.3	10.7	B1/500		G1/500
BVH	(80°-90°)	76.4	3.0			G1/100
UL	(90°-100°)	95.8	3.7		U3/500	
UH	(100°-180°)	77.7	3.0		U3/500	

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

Type III Short





REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	111.8	110.9	110.3	109.4	108.8	107.6	106.4	104.6	103.1	102.8	101.6
5°	123.6	122.1	122.1	120.6	118.5	117.0	114.5	111.5	109.1	107.6	106.4
7.5°	138.7	137.5	135.9	134.7	132.6	129.9	126.6	122.7	117.9	117.0	113.9
10°	155.5	154.9	153.7	151.3	148.6	145.0	140.5	135.6	130.2	129.3	124.2
12.5°	177.8	177.8	176.0	172.7	168.8	162.2	158.2	153.1	146.8	145.9	138.7
15°	205.3	204.1	201.7	195.9	191.4	186.0	181.2	174.5	166.1	164.6	157.9
17.5°	235.4	233.0	231.8	226.4	220.3	213.7	207.1	199.8	190.5	188.1	180.3
20°	269.2	270.7	266.2	260.1	251.1	244.5	236.9	227.6	217.3	215.5	206.2
22.5°	311.7	310.5	304.1	295.7	287.0	279.7	270.1	260.7	246.9	245.1	234.2
25°	358.7	357.5	349.4	338.8	328.9	315.9	304.7	294.8	283.3	280.6	267.7
27.5°	404.8	410.8	398.5	385.5	373.8	359.3	346.0	333.4	320.4	318.3	304.7
30°	467.8	469.3	454.9	437.1	421.1	403.0	389.1	377.7	366.5	359.6	347.2
32.5°	533.5	528.7	517.3	495.5	470.2	450.0	434.7	424.1	413.6	409.9	391.9
35°	598.6	598.6	580.9	551.6	518.5	498.0	482.9	476.6	466.9	461.2	441.0
37.5°	662.5	661.6	643.5	609.2	575.1	547.1	537.4	530.2	523.6	517.9	493.1
40°	725.5	724.0	702.3	668.9	629.1	600.1	592.3	593.5	585.7	577.8	553.1
42.5°	776.2	775.6	758.4	724.9	677.3	651.7	643.8	651.1	647.5	639.9	611.0
45°	816.6	813.9	800.3	766.2	723.1	696.0	698.1	715.6	711.4	707.8	671.9
47.5°	833.4	833.1	825.6	796.1	756.3	737.3	749.3	773.8	775.3	772.3	732.2
50°	828.9	830.1	829.5	811.4	778.9	769.2	792.5	834.1	838.9	835.9	794.6
52.5°	802.4	803.0	813.0	805.1	786.7	789.4	830.7	884.1	901.0	892.8	849.7
55°	746.3	753.9	773.5	778.0	775.6	794.0	853.6	923.9	949.5	946.8	897.7
57.5°	688.5	684.8	712.9	734.6	747.2	781.9	861.2	952.2	990.8	987.2	940.5
60°	604.1	609.5	643.8	674.9	701.7	753.0	854.2	967.3	1017.6	1015.5	971.8
62.5°	517.9	525.7	566.4	607.7	646.0	712.0	828.3	961.6	1029.4	1029.1	988.4
65°	436.8	445.2	482.6	532.6	581.5	656.5	783.1	937.1	1019.4	1020.0	985.4
67.5°	364.7	369.2	408.4	463.6	511.2	591.4	724.9	888.9	988.1	991.4	961.3
70°	300.5	303.8	341.8	391.0	446.1	518.8	654.4	827.1	935.6	936.8	917.8
72.5°	246.6	249.6	286.1	329.8	380.7	455.2	581.8	742.7	856.7	868.7	850.9
75°	197.1	203.2	234.5	277.0	322.5	388.8	504.9	652.0	768.0	778.3	775.6
77.5°	160.7	168.8	193.8	230.3	272.2	329.8	428.0	562.5	674.3	682.7	684.8
80°	129.6	135.6	160.7	192.9	228.5	278.5	357.8	475.1	579.9	580.9	579.9
82.5°	105.2	109.7	132.0	161.3	192.6	234.2	299.9	396.4	475.7	485.3	487.1
85°	85.6	88.9	108.2	134.4	161.0	196.2	247.5	323.7	386.4	396.4	393.1
87.5°	68.7	73.2	88.6	110.9	135.6	163.7	205.9	261.9	312.0	316.2	315.6
90°	56.4	57.9	73.2	92.2	114.5	135.9	168.2	211.0	248.4	255.9	250.8
92.5°	45.5	47.9	60.9	78.1	95.6	114.2	139.6	173.3	196.5	201.1	198.6
95°	38.3	39.5	51.2	65.4	80.5	97.4	115.1	138.4	155.5	157.0	157.6
97.5°	32.0	33.2	42.8	55.8	68.7	82.3	95.9	113.0	124.5	124.2	123.3
100°	27.4	28.0	36.8	48.5	60.0	69.9	80.5	91.0	98.0	100.1	96.8
102.5°	23.8	24.1	31.6	41.9	51.5	60.3	68.1	75.7	78.4	78.7	77.2
105°	21.1	21.4	27.7	36.2	44.9	51.5	57.6	62.1	63.3	63.3	61.5
107.5°	18.7	19.0	23.8	32.0	39.8	45.2	49.4	51.8	51.2	50.9	49.7
110°	17.2	17.2	21.1	28.3	34.7	39.5	42.8	43.1	41.6	41.6	40.4



REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.7	15.7	18.7	25.0	30.7	35.0	37.1	36.5	34.4	33.8	33.8
115°	14.5	14.5	16.6	22.0	27.4	30.7	32.3	30.7	28.3	28.0	27.7
117.5°	13.6	13.6	15.1	19.6	24.1	27.1	28.0	26.5	23.8	23.5	23.5
120°	12.7	12.7	13.9	17.2	21.4	23.8	24.4	22.6	19.9	19.9	20.2
122.5°	12.1	12.1	12.7	15.4	19.0	21.1	21.1	19.3	16.9	16.9	17.2
125°	11.5	11.5	11.8	13.6	16.6	18.4	18.1	16.0	14.5	14.5	14.8
127.5°	10.9	10.9	10.9	12.1	14.5	16.0	15.7	13.6	12.4	12.4	13.0
130°	10.2	10.2	9.9	10.5	12.4	13.6	13.0	11.5	10.5	10.5	11.2
132.5°	9.6	9.6	9.0	9.3	10.5	11.2	10.5	9.3	9.0	9.0	9.3
135°	9.0	8.7	8.4	8.1	8.7	9.0	8.4	7.5	7.5	7.5	8.1
137.5°	8.1	8.1	7.5	6.9	6.9	6.9	6.6	5.7	6.0	6.3	6.6
140°	7.5	7.5	6.9	6.0	5.4	5.4	4.8	4.5	4.8	5.1	5.4
142.5°	6.6	6.6	6.0	5.1	4.2	3.6	3.3	3.0	3.6	3.9	3.9
145°	5.7	5.7	5.1	3.9	3.0	2.1	1.8	2.1	2.4	2.7	3.0
147.5°	4.8	4.5	3.9	3.0	1.5	0.9	0.6	1.2	1.5	1.5	1.8
150°	3.6	3.6	3.0	2.1	0.9	0.0	0.3	0.6	0.9	0.9	1.2
152.5°	2.7	2.4	2.1	1.2	0.0	0.0	0.0	0.0	0.3	0.6	0.6
155°	1.5	1.5	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	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





REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	101.0	100.1	98.9	98.0	97.1	95.9	95.3	94.3	94.3	94.3	94.9
5°	104.6	103.4	100.7	98.3	95.9	94.0	92.2	91.0	90.4	89.8	90.1
7.5°	111.2	109.7	105.5	101.3	98.0	94.6	92.2	90.1	89.2	88.9	88.9
10°	121.5	118.8	112.4	106.7	101.9	97.4	94.0	91.3	90.1	89.2	89.2
12.5°	135.3	131.4	123.9	116.0	108.8	102.8	98.0	95.9	94.9	94.3	94.6
15°	153.7	149.5	138.1	127.8	118.5	110.3	105.8	103.7	102.5	101.9	101.6
17.5°	175.1	169.1	155.2	142.0	130.2	121.2	115.4	112.1	110.0	108.8	109.1
20°	198.6	190.8	173.0	158.6	143.5	134.4	125.7	120.3	117.6	117.0	117.3
22.5°	225.2	217.0	196.5	175.4	159.8	146.2	135.6	128.7	125.4	125.1	125.1
25°	256.5	245.7	221.5	195.0	174.8	157.6	145.3	136.8	133.2	132.0	132.0
27.5°	292.1	277.6	247.8	217.3	189.6	167.9	153.4	143.8	139.9	139.0	139.0
30°	331.3	316.2	278.2	238.4	203.8	176.9	160.7	150.4	145.3	144.1	144.4
32.5°	374.4	354.8	306.9	261.0	216.1	184.2	165.5	155.2	149.5	148.0	148.0
35°	421.1	398.2	340.9	283.0	227.9	189.9	169.1	158.6	152.2	150.7	150.4
37.5°	473.5	444.9	376.2	303.2	237.2	193.5	171.5	160.7	153.7	151.6	151.3
40°	528.4	495.5	408.7	321.6	245.1	195.6	172.1	161.6	154.3	151.0	150.7
42.5°	579.6	543.5	445.8	338.5	249.9	196.5	171.8	161.3	153.7	149.2	148.9
45°	636.3	592.0	479.9	353.9	252.9	195.9	170.6	159.8	152.5	146.8	146.2
47.5°	695.7	644.8	511.2	365.0	254.1	194.1	169.1	158.6	150.4	144.1	143.5
50°	749.3	690.0	540.5	373.8	253.5	191.4	166.7	156.7	148.6	141.4	140.8
52.5°	801.8	737.3	563.4	378.6	250.5	188.4	164.6	154.6	146.5	139.0	138.1
55°	849.4	774.7	583.9	380.7	246.6	184.5	161.6	152.8	144.7	136.5	135.6
57.5°	886.2	809.9	598.9	378.0	240.5	180.0	158.6	150.1	142.6	134.4	133.5
60°	913.3	833.1	605.9	372.9	233.6	174.8	154.9	147.4	140.5	132.6	131.7
62.5°	929.6	846.1	604.4	363.8	224.9	169.7	151.6	144.7	138.4	130.5	129.9
65°	926.9	841.0	592.9	349.4	215.5	163.1	146.5	141.1	135.3	128.1	127.2
67.5°	904.9	820.2	569.7	331.3	205.0	156.4	141.7	136.2	131.4	125.1	123.3
70°	865.7	781.9	536.2	308.7	192.9	148.9	135.9	130.8	126.6	120.6	118.8
72.5°	799.7	726.1	493.7	285.2	180.0	140.2	128.4	124.2	119.7	114.8	112.7
75°	724.3	656.2	443.7	257.4	166.1	131.4	120.6	116.4	112.1	107.0	105.2
77.5°	642.3	576.9	391.9	233.0	151.9	121.5	111.8	108.2	104.0	98.6	96.5
80°	544.4	492.2	336.7	205.0	137.8	111.8	102.8	98.9	94.3	89.2	87.1
82.5°	456.1	409.9	285.8	179.7	123.6	101.9	94.0	88.3	84.1	79.0	75.4
85°	372.9	340.6	239.6	154.3	110.3	91.6	83.8	79.0	74.2	68.1	65.7
87.5°	299.9	272.5	196.8	133.2	97.4	81.7	74.5	69.6	64.2	57.9	55.8
90°	237.2	220.3	163.7	114.5	86.2	73.2	66.0	60.9	54.9	49.1	47.9
92.5°	188.1	176.3	135.3	97.4	76.0	64.8	58.2	53.1	47.0	41.3	39.5
95°	151.3	139.9	110.9	85.0	66.6	57.0	51.2	46.4	40.4	34.7	33.5
97.5°	120.9	111.8	91.0	71.4	58.5	50.6	45.5	40.4	34.4	29.2	28.6
100°	94.6	89.2	75.4	61.5	51.5	44.9	40.1	35.6	29.5	24.4	24.1
102.5°	75.7	72.6	62.7	53.1	45.2	39.8	35.9	31.0	25.6	20.8	20.5
105°	60.9	59.1	52.1	45.5	40.1	35.6	32.0	27.1	21.7	17.8	17.8
107.5°	49.4	47.9	43.7	38.9	35.3	32.0	28.0	23.8	18.7	15.4	15.4
110°	40.4	39.8	37.1	33.8	31.0	28.3	24.7	20.5	16.0	13.6	13.6



REPORT NUMBER: P414319

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.8	33.5	31.3	29.5	27.4	25.0	22.0	18.1	13.9	11.8	12.1
115°	28.0	28.0	26.8	25.6	24.1	22.3	19.3	15.4	11.8	10.5	10.5
117.5°	23.8	23.5	23.2	22.3	21.4	19.6	16.6	13.3	9.9	9.3	9.6
120°	20.5	20.5	19.9	19.6	18.7	16.9	14.5	11.2	8.4	8.4	8.4
122.5°	17.5	17.8	17.2	16.9	16.3	15.1	12.4	9.3	7.5	7.2	7.5
125°	15.4	15.4	15.1	14.8	14.2	12.7	10.5	7.8	6.3	6.6	6.6
127.5°	13.0	13.3	13.0	12.7	12.4	10.9	8.7	6.3	5.4	5.7	5.7
130°	11.5	11.5	11.2	10.9	10.2	9.0	7.2	5.1	4.8	5.1	5.1
132.5°	9.6	9.6	9.6	9.0	8.4	7.5	5.7	4.2	3.9	4.5	4.5
135°	8.1	8.1	8.1	7.5	6.9	5.7	4.2	3.3	3.3	3.9	3.9
137.5°	6.6	6.9	6.6	6.0	5.4	4.5	3.3	2.4	2.7	3.3	3.3
140°	5.4	5.4	5.1	4.8	3.9	3.0	2.1	1.8	2.4	2.7	2.7
142.5°	4.2	4.2	3.9	3.3	2.7	2.1	1.2	1.2	1.8	2.1	2.1
145°	3.0	3.0	2.7	2.1	1.5	0.9	0.3	0.6	1.2	1.5	1.5
147.5°	1.8	1.8	1.8	1.5	0.9	0.3	0.0	0.3	0.6	0.9	0.9
150°	1.2	1.2	1.2	0.9	0.6	0.0	0.0	0.0	0.3	0.6	0.6
152.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.3	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)