

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: P414328

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414328
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-PA1-20-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 2563 lumens
Efficiency: N/A
Efficacy: 122.0 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

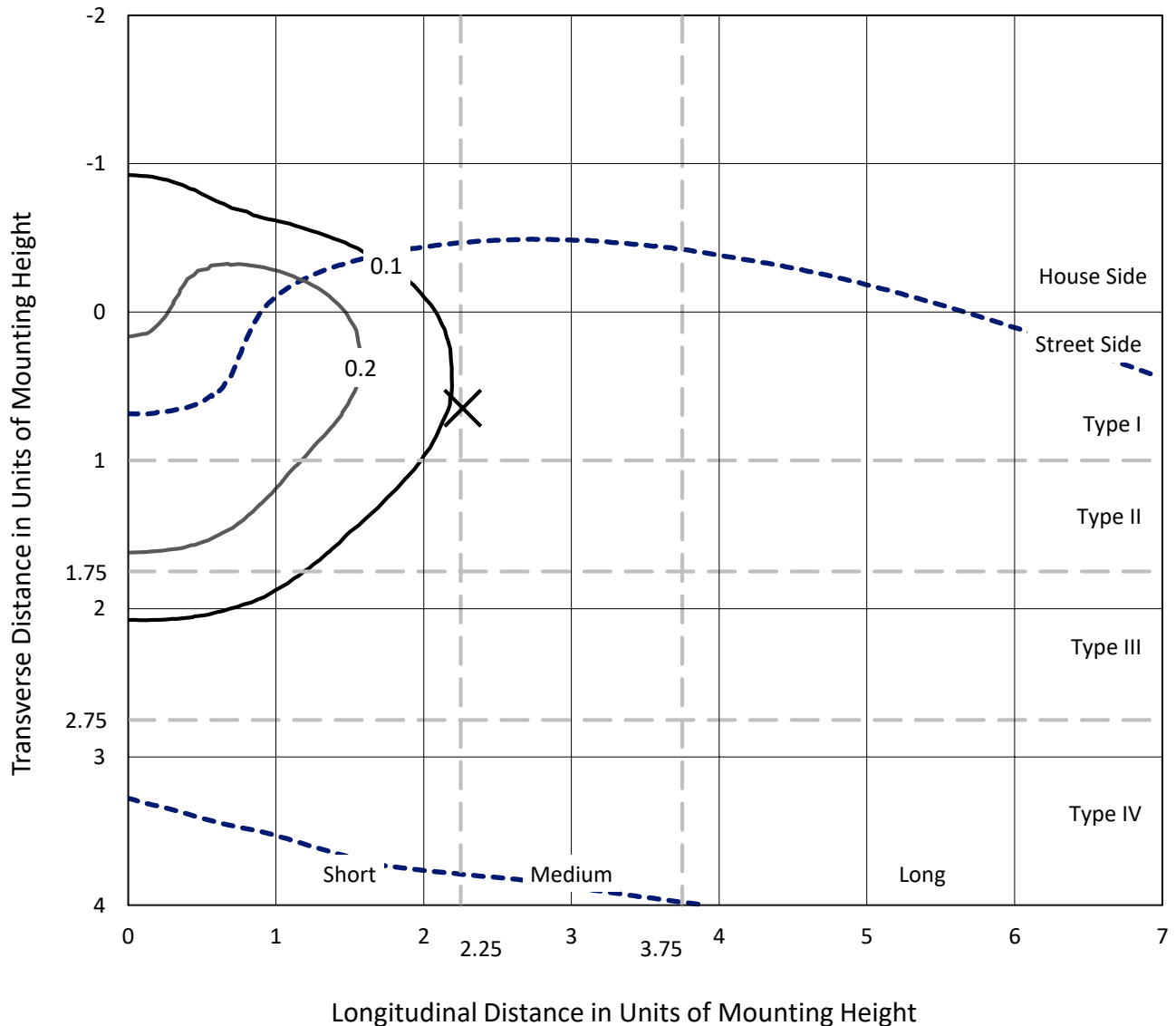
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

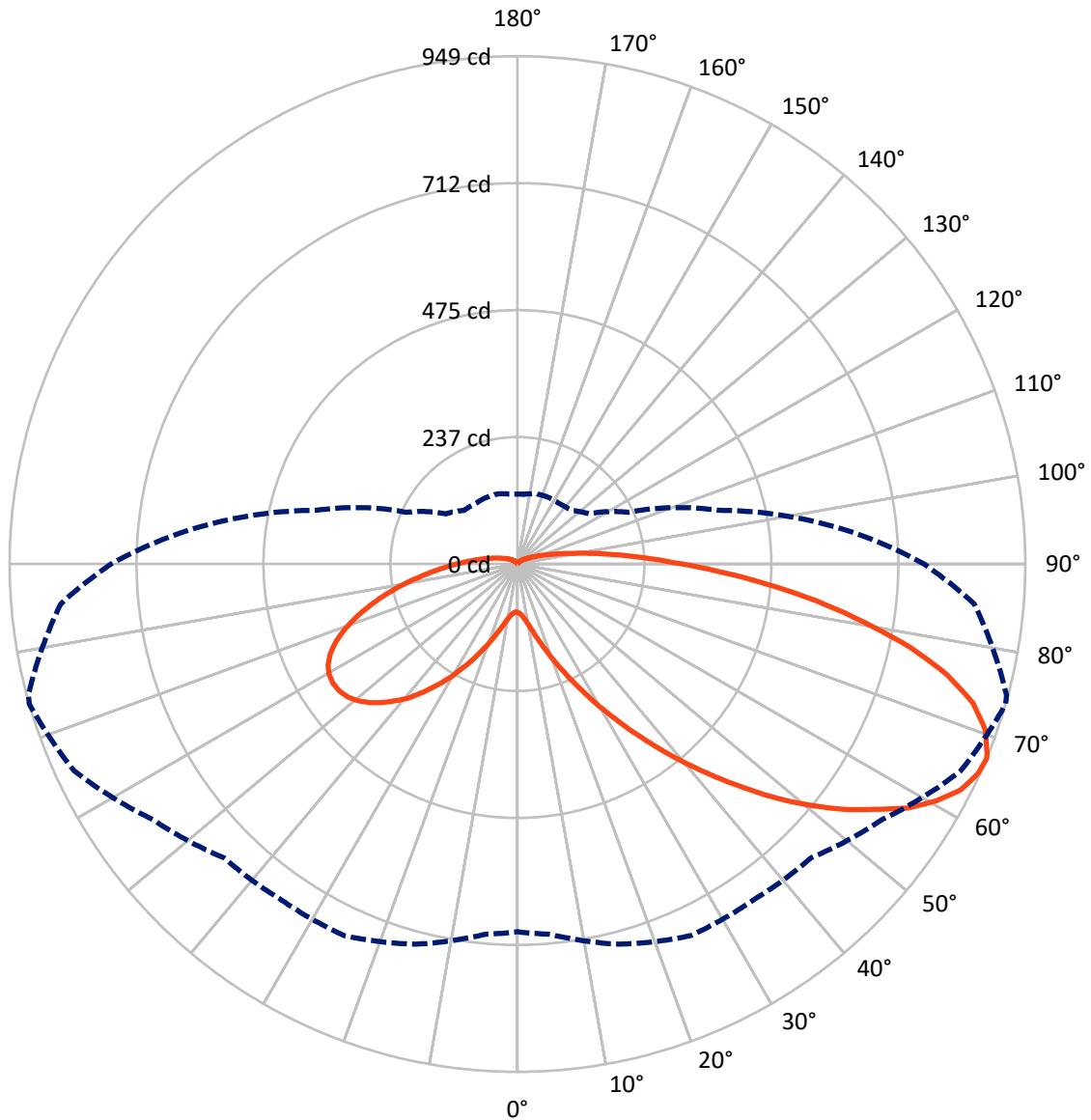
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.8	76.4	694.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	1735.7	133.0	1868.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	2353.5	209.4	2563.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.4
10°-20°	39.3	1.5
20°-30°	99.6	3.9
30°-40°	199.7	7.8
40°-50°	335.3	13.1
50°-60°	470.4	18.4
60°-70°	525.8	20.5
70°-80°	429.0	16.7
80°-90°	244.9	9.6
90°-100°	111.9	4.4
100°-110°	51.2	2.0
110°-120°	25.3	1.0
120°-130°	12.9	0.5
130°-140°	5.9	0.2
140°-150°	2.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2353.5	91.8
0°-180°	2563.0	100.0



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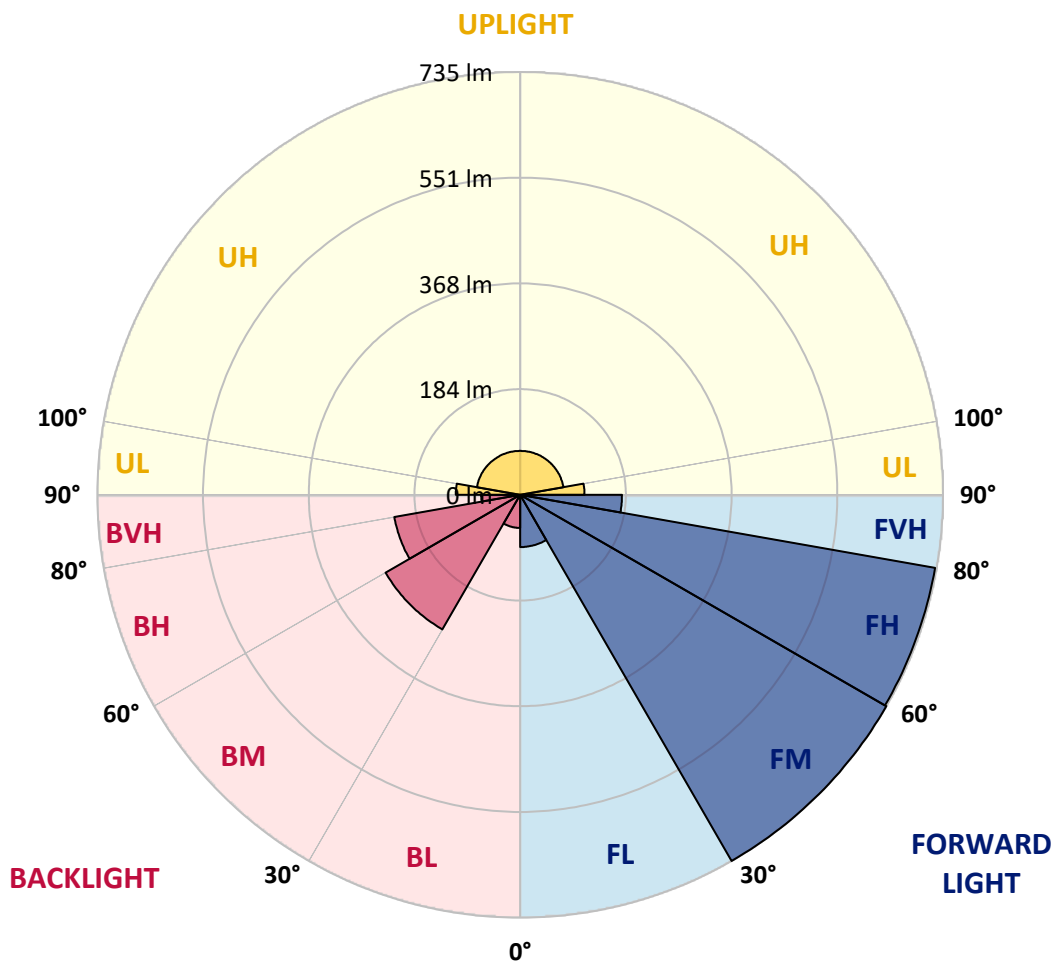
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.8	3.5			
FM	(30°-60°)	735.2	28.7			
FH	(60°-80°)	732.6	28.6			G1/1800
FVH	(80°-90°)	177.1	6.9			G2/225
BL	(0°-30°)	57.6	2.2	B0/110		
BM	(30°-60°)	270.3	10.5	B1/1000		
BH	(60°-80°)	222.1	8.7	B1/500		G1/500
BVH	(80°-90°)	67.8	2.6			G1/100
UL	(90°-100°)	111.9	4.4		U3/500	
UH	(100°-180°)	76.4	3.0		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	98.2	97.6	97.6	97.0	96.7	95.5	94.6	93.4	92.8	92.5	91.6
5°	107.3	106.4	106.4	105.8	104.6	103.1	101.0	99.8	97.6	97.9	95.2
7.5°	118.1	117.8	117.2	116.0	114.5	112.7	110.6	107.9	105.5	105.5	102.2
10°	132.6	130.8	130.8	129.3	127.8	125.1	122.1	119.0	115.7	115.4	110.9
12.5°	150.1	149.8	148.0	145.9	143.5	140.7	135.9	132.9	129.6	129.3	124.5
15°	170.6	169.7	167.3	166.4	162.7	157.9	154.0	151.0	147.7	146.5	140.1
17.5°	194.7	193.5	192.6	188.1	185.0	181.1	176.6	172.7	167.0	166.4	159.4
20°	223.0	220.3	217.6	214.0	209.2	205.5	200.7	197.1	190.5	190.5	181.1
22.5°	252.9	252.2	249.8	243.8	237.2	233.6	229.0	221.8	216.4	214.9	204.6
25°	289.0	288.4	283.6	277.3	270.3	264.9	257.7	249.8	245.3	245.0	233.6
27.5°	330.0	330.9	322.5	314.3	305.0	296.3	288.4	284.5	278.5	277.6	264.3
30°	379.4	375.5	366.8	355.0	342.1	330.9	322.8	318.9	314.9	314.6	298.7
32.5°	429.8	425.2	417.7	401.4	383.3	366.2	362.3	358.9	354.4	352.0	336.0
35°	485.5	481.9	471.0	449.6	425.5	406.9	398.7	399.3	397.2	396.0	376.7
37.5°	547.0	540.7	525.9	505.1	469.5	449.3	440.0	445.1	443.9	441.5	421.3
40°	604.9	604.0	588.3	556.0	520.2	491.5	485.2	494.0	492.4	489.4	467.1
42.5°	671.8	665.1	647.7	611.5	568.1	536.4	529.5	542.5	544.3	544.9	515.0
45°	729.0	726.0	709.4	667.8	617.8	583.5	577.7	591.6	597.6	598.2	565.4
47.5°	784.8	783.6	766.7	723.6	666.3	629.9	622.3	642.2	654.9	652.2	613.3
50°	826.7	828.8	815.2	774.2	714.6	671.2	673.0	697.4	709.1	707.6	664.5
52.5°	862.5	859.5	853.8	814.9	752.8	713.0	715.2	744.4	761.9	761.0	713.0
55°	875.8	874.9	875.5	843.8	784.2	747.4	753.7	795.0	809.5	807.7	752.5
57.5°	873.1	872.5	881.8	861.0	809.5	774.5	789.0	836.6	860.4	858.0	794.1
60°	852.6	849.9	870.1	862.5	819.7	791.4	816.7	873.1	898.7	898.1	828.2
62.5°	806.5	810.7	838.7	845.7	816.7	800.1	833.3	901.4	930.0	927.9	852.6
65°	742.3	752.8	786.6	810.7	796.2	792.3	839.3	914.1	945.7	945.4	861.3
67°	687.4	694.7	735.7	766.4	767.3	776.3	832.4	914.4	949.3	946.6	857.1
67.5°	668.1	677.8	719.4	756.7	760.7	771.8	829.7	913.8	946.9	945.4	855.0
70°	580.7	591.9	637.4	684.4	708.5	732.6	805.0	896.9	927.6	924.3	830.6
72.5°	492.1	507.8	550.9	606.7	641.9	681.7	762.2	854.7	890.9	883.9	783.0
75°	407.2	417.7	459.6	519.9	565.7	619.6	703.7	797.7	830.3	824.6	722.4
77.5°	324.6	334.2	374.6	435.2	487.0	547.6	635.3	726.3	751.6	748.3	645.5
80°	256.2	263.1	302.0	355.9	409.3	474.1	557.2	638.6	655.2	657.6	560.9
82.5°	197.1	206.1	239.9	287.5	337.8	399.6	472.0	544.0	562.4	556.3	474.1
85°	150.7	158.2	188.4	228.7	279.1	331.2	395.7	454.8	462.9	456.0	384.3
87.5°	117.8	123.6	147.1	186.2	226.3	270.9	322.5	367.7	371.9	370.7	307.7
90°	91.3	96.4	116.0	147.1	183.8	222.1	262.5	294.1	292.0	293.8	242.6
92.5°	71.7	74.4	92.2	119.6	150.4	181.1	211.9	233.0	232.7	227.5	189.3
95°	58.2	59.7	75.0	97.9	122.7	147.1	170.0	183.5	182.9	177.5	147.7
97.5°	47.0	47.9	61.2	80.5	101.3	120.2	136.8	146.5	141.6	139.5	115.7
100°	38.6	39.2	50.6	67.2	84.4	100.7	112.4	116.3	109.7	108.5	91.0
102.5°	32.8	33.2	42.8	57.0	70.5	82.9	91.6	93.4	85.6	86.2	71.7
105°	28.0	28.3	35.9	48.5	60.0	69.3	75.6	74.7	68.4	67.5	57.3
107.5°	24.4	24.7	30.7	41.6	51.5	59.4	62.7	60.6	54.8	53.6	46.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	21.4	21.7	26.5	35.6	44.3	50.9	52.7	49.4	44.3	43.1	38.0
112.5°	19.3	19.3	23.2	30.7	38.6	44.0	44.6	41.3	35.6	35.0	31.6
115°	17.5	17.5	20.5	26.5	33.5	37.7	37.7	33.8	29.2	28.9	26.5
117.5°	16.0	16.0	18.1	23.2	28.9	32.5	31.9	28.3	24.4	24.1	22.9
120°	14.8	14.8	16.3	20.2	25.0	27.7	27.1	23.5	20.5	20.2	19.6
122.5°	13.6	13.9	14.8	17.8	21.7	23.8	23.2	20.2	17.5	17.2	17.2
125°	12.7	12.7	13.3	15.4	18.7	20.5	19.6	16.6	14.8	14.8	14.8
127.5°	11.8	11.8	12.1	13.6	16.0	17.2	16.3	13.9	13.0	12.7	13.0
130°	10.8	10.8	11.2	11.8	13.6	14.2	13.3	11.8	10.8	10.8	11.2
132.5°	9.9	9.9	9.9	10.2	11.2	11.8	10.8	9.6	9.3	9.3	9.6
135°	9.0	9.3	9.0	9.0	9.3	9.3	8.4	7.8	7.8	8.1	8.4
137.5°	8.1	8.1	7.8	7.5	7.5	7.2	6.6	6.3	6.6	6.6	6.9
140°	7.2	7.2	6.9	6.3	5.7	5.4	5.1	4.8	5.4	5.4	5.7
142.5°	6.3	6.3	5.7	5.1	4.2	3.6	3.3	3.6	4.2	4.2	4.5
145°	5.1	5.1	4.8	4.2	3.0	2.4	2.1	2.7	3.0	3.0	3.3
147.5°	4.2	3.9	3.6	3.0	2.1	1.5	1.2	1.8	2.1	2.1	2.4
150°	3.0	3.0	2.7	2.1	1.2	0.6	0.6	0.9	1.2	1.2	1.5
152.5°	2.1	2.1	1.8	1.2	0.6	0.0	0.3	0.6	0.6	0.6	0.9
155°	1.2	1.2	1.2	0.9	0.3	0.0	0.0	0.3	0.3	0.3	0.6
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	91.0	90.4	89.8	88.9	88.3	87.7	87.1	86.8	86.8	86.5	86.8
5°	94.3	93.4	91.6	90.1	88.3	87.1	85.9	85.3	84.7	84.4	84.4
7.5°	100.4	99.2	96.1	93.4	90.7	88.6	87.1	85.6	85.0	84.7	84.7
10°	109.1	107.3	102.8	98.9	94.9	92.2	89.5	88.0	87.1	86.5	86.5
12.5°	121.5	118.4	112.7	106.1	101.0	97.3	94.0	92.5	92.2	92.2	92.2
15°	138.0	133.8	125.1	117.2	109.7	103.4	101.0	101.0	100.7	100.4	100.7
17.5°	155.2	150.4	139.5	129.6	120.2	113.9	110.0	109.1	108.8	108.5	108.8
20°	175.7	169.7	157.0	143.5	131.7	125.7	120.2	117.8	117.5	117.8	117.2
22.5°	198.9	192.3	173.6	157.3	144.4	135.9	129.6	126.3	126.9	126.9	126.6
25°	226.9	216.7	194.7	172.7	157.0	145.3	138.0	134.7	135.0	135.6	136.2
27.5°	255.3	243.5	215.5	188.7	168.2	154.6	146.2	142.5	142.2	144.1	143.8
30°	288.4	273.3	238.4	204.9	178.4	161.2	152.5	149.5	149.2	150.7	151.0
32.5°	324.0	305.3	262.2	221.2	187.5	167.0	157.0	154.9	154.3	155.8	156.1
35°	362.9	339.0	285.4	235.4	195.0	170.9	160.6	158.2	157.3	158.8	159.4
37.5°	400.5	372.8	309.2	248.0	201.0	173.3	162.1	160.3	159.1	160.0	160.3
40°	440.3	410.8	333.3	259.5	204.6	174.5	162.7	160.9	159.7	159.7	159.7
42.5°	484.0	445.7	352.9	267.6	206.7	174.2	162.1	160.0	158.5	157.3	157.3
45°	528.9	483.4	373.1	274.2	207.0	172.7	160.6	158.8	156.4	154.0	153.7
47.5°	572.6	517.5	390.9	277.9	206.1	170.6	158.5	156.1	154.0	150.4	150.4
50°	615.1	551.5	405.6	279.7	203.4	168.2	156.4	154.0	151.3	146.5	145.9
52.5°	654.0	582.6	416.8	279.1	199.5	164.9	153.7	151.6	148.3	142.5	142.5
55°	692.3	611.2	423.7	275.2	194.7	161.2	151.3	149.2	145.6	139.5	138.9
57.5°	723.6	631.7	426.4	269.1	189.3	157.3	148.9	146.8	143.5	136.8	136.8
60°	750.1	648.9	424.6	261.3	183.2	153.7	145.9	144.7	141.6	135.3	135.3
62.5°	765.5	655.8	417.7	251.3	176.3	149.8	143.2	142.5	139.8	133.8	133.8
65°	768.8	651.3	403.5	239.0	169.4	145.3	140.1	139.8	138.0	132.3	131.7
67°	759.8	639.5	387.9	228.4	163.3	141.6	137.4	137.4	135.9	130.8	130.5
67.5°	756.4	635.0	383.6	225.7	162.1	141.0	136.8	137.1	135.6	130.5	129.6
70°	727.5	604.6	357.7	210.4	153.7	135.6	132.9	133.2	132.0	128.1	127.2
72.5°	682.6	560.9	327.3	195.6	145.3	130.2	127.5	128.7	127.5	124.5	122.7
75°	622.0	507.5	295.6	178.7	136.8	123.6	121.8	122.4	122.1	119.0	117.5
77.5°	550.6	448.7	261.9	163.0	127.5	116.9	115.1	116.0	115.4	112.7	110.9
80°	473.2	386.7	229.3	147.4	117.8	109.4	107.6	107.9	107.6	104.9	102.5
82.5°	397.2	325.8	196.2	132.0	108.5	101.3	99.2	98.9	98.2	95.2	93.4
85°	327.9	267.6	167.6	117.2	98.9	92.2	90.4	89.2	88.3	85.0	83.8
87.5°	261.3	218.8	141.6	104.6	89.2	83.8	81.4	79.3	77.8	74.7	73.5
90°	208.6	176.3	120.9	91.6	80.5	75.6	72.3	69.6	67.8	64.5	62.7
92.5°	165.5	140.4	101.6	80.5	72.0	67.8	64.8	61.5	59.1	54.8	53.9
95°	131.1	113.0	85.6	70.5	63.9	60.3	57.6	53.9	50.6	46.4	45.5
97.5°	103.7	92.2	72.0	61.8	56.4	53.3	50.6	47.0	43.4	39.2	38.6
100°	82.9	74.1	61.8	53.9	50.3	47.3	44.6	41.3	36.8	32.5	32.5
102.5°	66.6	60.9	51.8	47.3	44.3	41.9	39.5	36.2	31.3	26.8	26.8
105°	53.9	50.3	44.6	41.3	39.2	37.4	35.0	31.0	26.2	22.6	22.6
107.5°	44.3	41.6	38.3	35.9	34.7	32.8	30.7	26.8	22.3	19.0	19.0



REPORT NUMBER: P414328

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.8	35.0	32.5	31.6	30.7	29.2	26.8	23.2	18.7	16.3	16.3
112.5°	30.7	29.8	28.0	27.7	27.1	25.9	23.5	19.9	15.7	14.2	14.2
115°	26.2	25.6	24.4	24.4	23.8	22.9	20.5	17.2	13.6	12.1	12.4
117.5°	22.3	22.0	21.4	21.4	21.1	20.2	17.8	14.8	11.5	10.8	10.8
120°	19.6	19.3	19.0	18.7	18.7	17.5	15.4	12.4	9.9	9.6	9.6
122.5°	16.9	16.9	16.6	16.6	16.3	15.1	13.3	10.5	8.7	8.4	8.4
125°	14.8	14.8	14.5	14.5	14.2	13.3	11.5	9.0	7.5	7.5	7.5
127.5°	13.0	13.0	12.7	12.7	12.4	11.2	9.6	7.5	6.6	6.6	6.9
130°	11.5	11.5	11.2	10.8	10.5	9.6	7.8	6.3	5.7	6.0	6.0
132.5°	9.9	9.6	9.6	9.3	8.7	7.8	6.6	5.4	5.1	5.4	5.4
135°	8.4	8.4	8.1	7.8	7.2	6.6	5.4	4.5	4.5	4.8	4.8
137.5°	7.2	7.2	6.9	6.3	6.0	5.1	4.2	3.6	3.9	4.2	4.2
140°	5.7	6.0	5.7	5.1	4.5	3.9	3.3	3.0	3.3	3.6	3.9
142.5°	4.8	4.8	4.5	3.9	3.3	2.7	2.4	2.4	3.0	3.3	3.3
145°	3.6	3.6	3.3	3.0	2.1	1.8	1.5	2.1	2.4	2.7	2.7
147.5°	2.4	2.4	2.4	1.8	1.2	0.9	0.9	1.5	2.1	2.1	2.1
150°	1.5	1.5	1.5	1.2	0.6	0.3	0.6	1.2	1.5	1.8	1.8
152.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.9	1.2	1.2	1.2
155°	0.6	0.6	0.6	0.3	0.3	0.0	0.3	0.6	0.9	0.9	0.9
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	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)