

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: P414224

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414224
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-PA1-20-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2334 lumens
Efficiency: N/A
Efficacy: 111.1 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

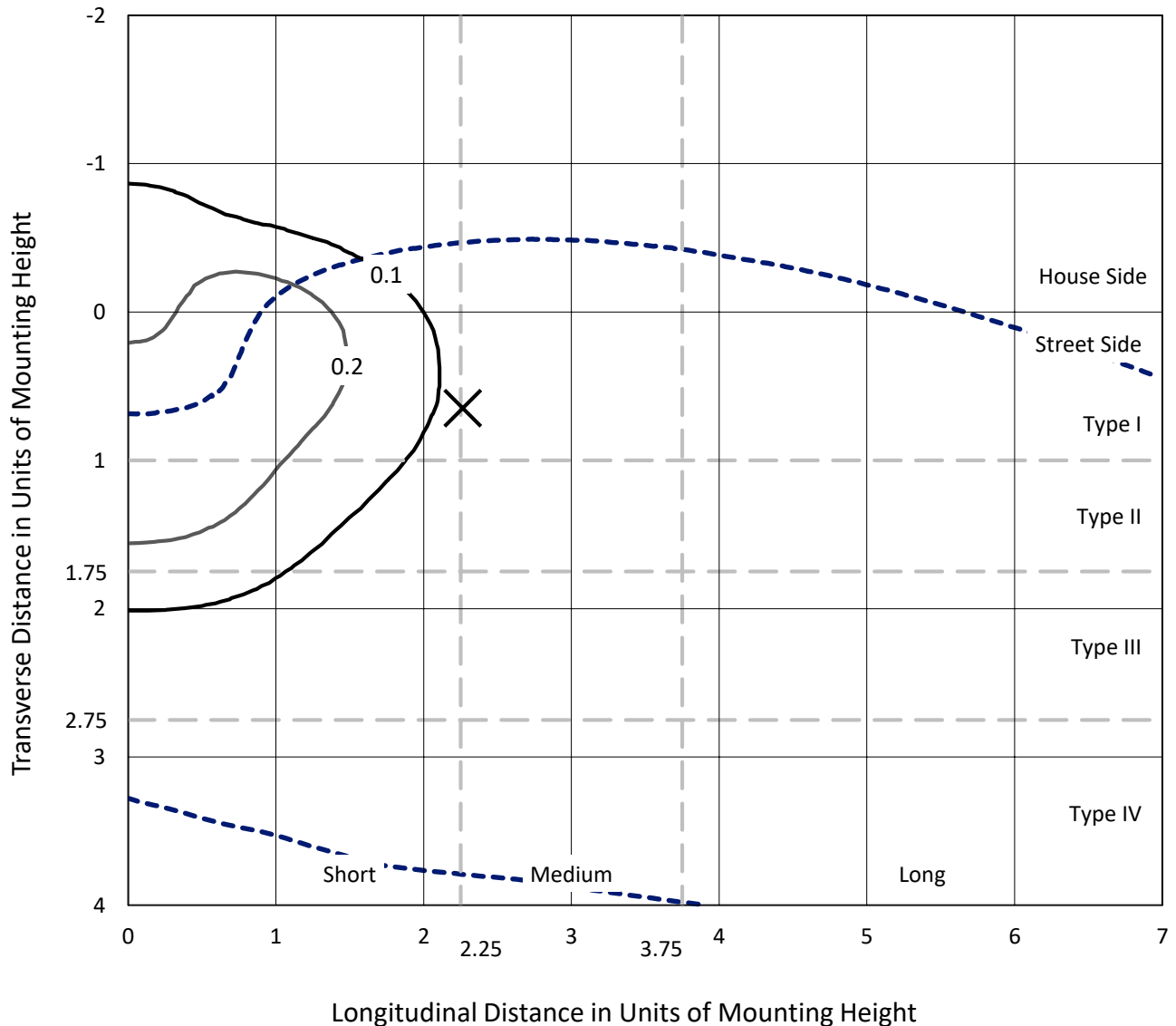
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

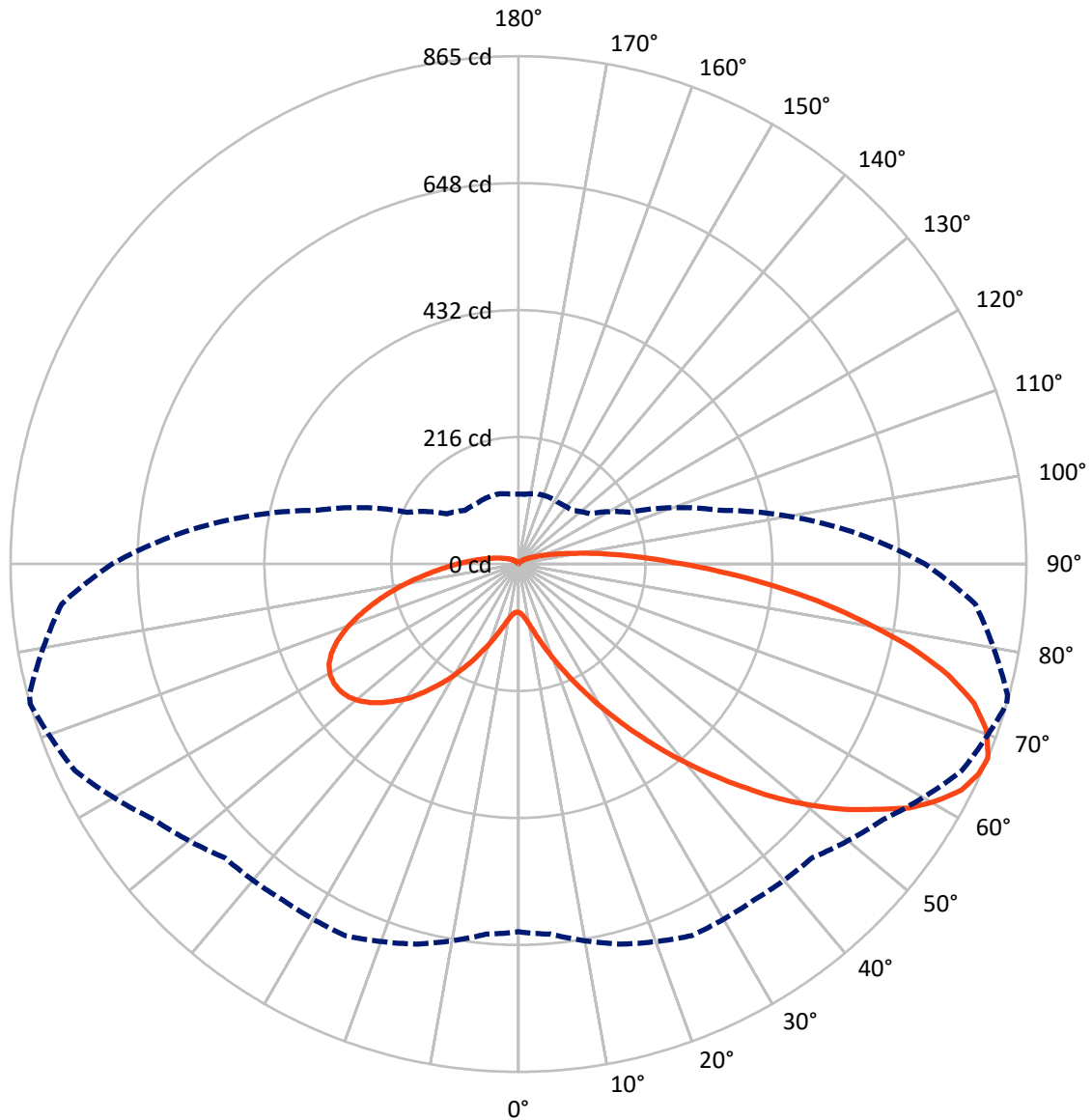
× Max cd
 - - - 1/2 Max cd



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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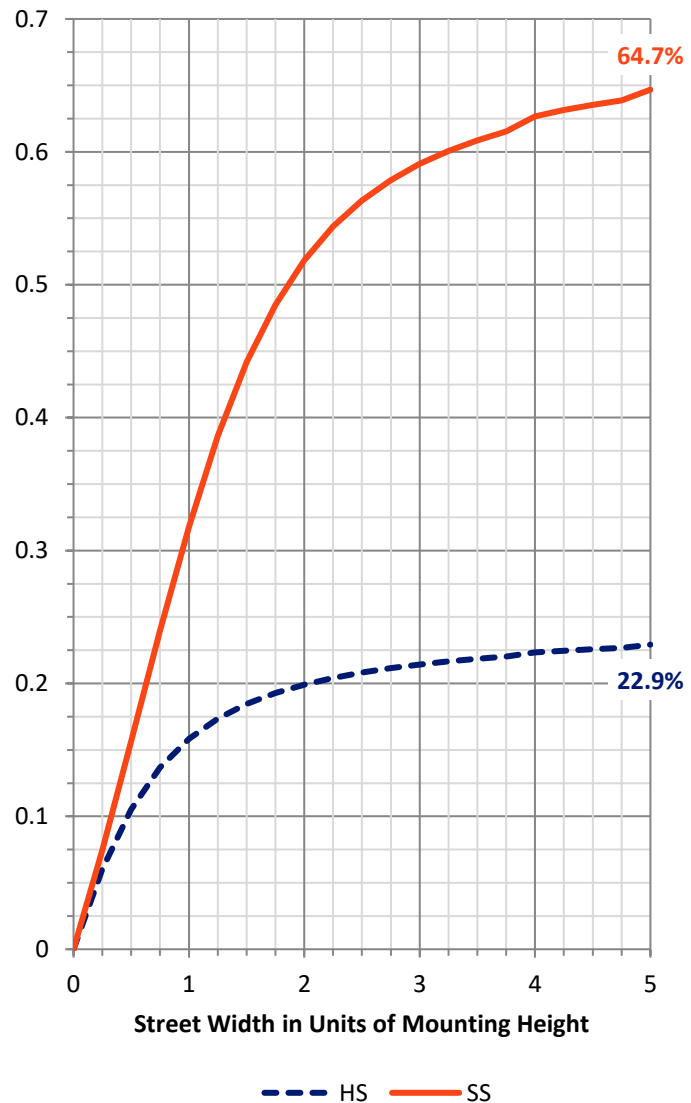
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	562.6	69.6	632.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	1580.7	121.1	1701.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	2143.3	190.7	2334.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.4
10°-20°	35.8	1.5
20°-30°	90.7	3.9
30°-40°	181.9	7.8
40°-50°	305.4	13.1
50°-60°	428.4	18.4
60°-70°	478.8	20.5
70°-80°	390.6	16.7
80°-90°	223.0	9.6
90°-100°	101.9	4.4
100°-110°	46.6	2.0
110°-120°	23.0	1.0
120°-130°	11.7	0.5
130°-140°	5.4	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°	2143.3	91.8
0°-180°	2334.0	100.0

Coefficient of Utilization



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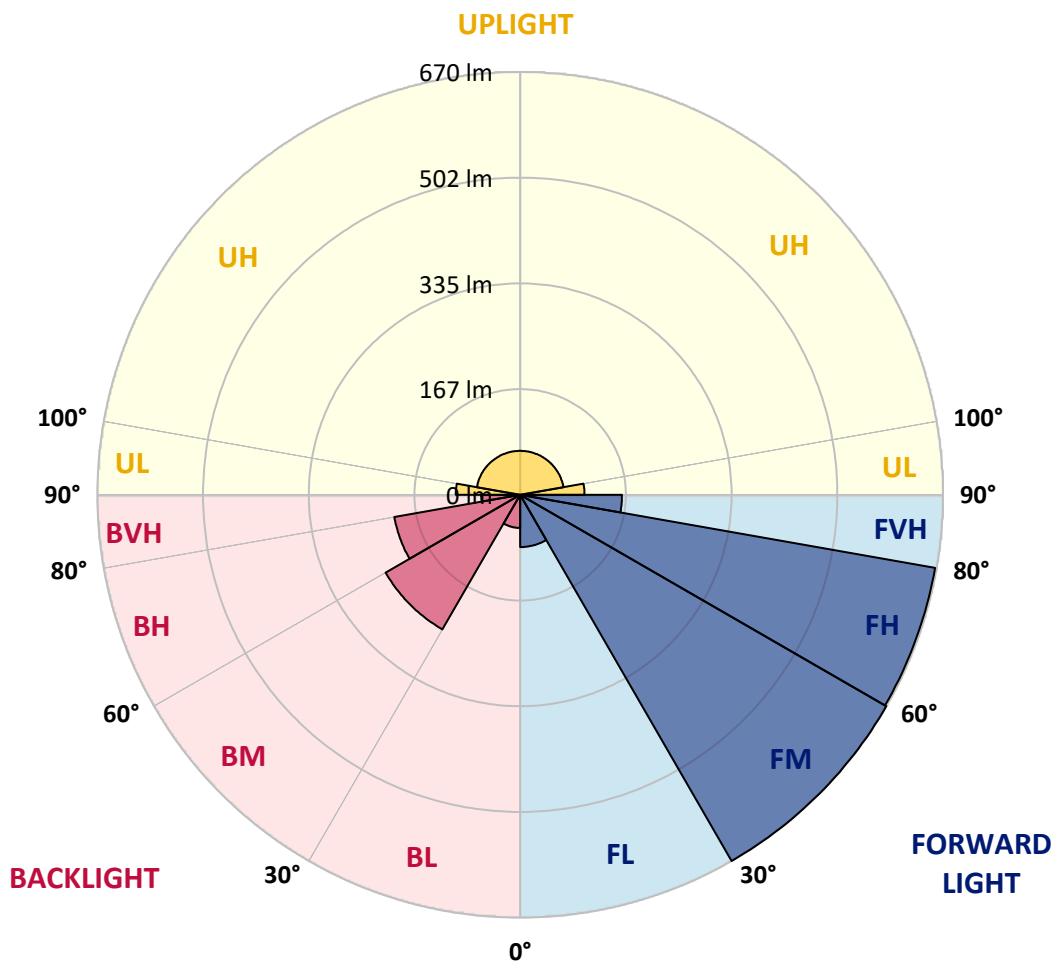
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.7	3.5			
FM	(30°-60°)	669.6	28.7			
FH	(60°-80°)	667.2	28.6			G1/1800
FVH	(80°-90°)	161.2	6.9			G2/225
BL	(0°-30°)	52.4	2.2	B0/110		
BM	(30°-60°)	246.1	10.5	B1/1000		
BH	(60°-80°)	202.3	8.7	B1/500		G1/500
BVH	(80°-90°)	61.8	2.6			G1/100
UL	(90°-100°)	101.9	4.4		U3/500	
UH	(100°-180°)	69.6	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°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2.5°	89.5	88.9	88.9	88.4	88.1	87.0	86.2	85.1	84.5	84.3	83.4
5°	97.7	96.9	96.9	96.3	95.2	93.9	91.9	90.8	88.9	89.2	86.7
7.5°	107.6	107.3	106.8	105.7	104.3	102.6	100.7	98.3	96.1	96.1	93.0
10°	120.8	119.1	119.1	117.7	116.4	113.9	111.2	108.4	105.4	105.1	101.0
12.5°	136.7	136.4	134.8	132.8	130.6	128.2	123.8	121.0	118.0	117.7	113.3
15°	155.3	154.5	152.3	151.5	148.2	143.8	140.2	137.5	134.5	133.4	127.6
17.5°	177.3	176.2	175.4	171.3	168.5	164.9	160.8	157.3	152.0	151.5	145.2
20°	203.1	200.6	198.2	194.9	190.5	187.2	182.8	179.5	173.5	173.5	164.9
22.5°	230.3	229.7	227.5	222.0	216.0	212.7	208.6	202.0	197.1	195.7	186.3
25°	263.2	262.6	258.3	252.5	246.2	241.2	234.7	227.5	223.4	223.1	212.7
27.5°	300.5	301.3	293.7	286.2	277.7	269.8	262.6	259.1	253.6	252.8	240.7
30°	345.5	342.0	334.0	323.3	311.5	301.3	293.9	290.4	286.8	286.5	272.0
32.5°	391.4	387.2	380.4	365.6	349.1	333.5	329.9	326.9	322.7	320.6	306.0
35°	442.1	438.8	429.0	409.5	387.5	370.5	363.1	363.6	361.7	360.6	343.1
37.5°	498.1	492.4	478.9	460.0	427.6	409.2	400.7	405.4	404.3	402.1	383.7
40°	550.8	550.0	535.7	506.4	473.7	447.6	441.9	449.8	448.4	445.7	425.4
42.5°	611.7	605.7	589.8	556.9	517.3	488.5	482.2	494.0	495.6	496.2	469.0
45°	663.9	661.1	646.0	608.2	562.6	531.3	526.1	538.7	544.2	544.8	514.9
47.5°	714.7	713.6	698.2	658.9	606.8	573.6	566.7	584.8	596.4	593.9	558.5
50°	752.8	754.7	742.4	705.1	650.7	611.2	612.8	635.1	645.8	644.4	605.2
52.5°	785.5	782.7	777.5	742.1	685.6	649.3	651.3	677.9	693.8	693.0	649.3
55°	797.5	796.7	797.3	768.4	714.1	680.6	686.4	724.0	737.2	735.5	685.3
57.5°	795.1	794.5	803.0	784.1	737.2	705.3	718.5	761.9	783.5	781.3	723.2
60°	776.4	773.9	792.3	785.5	746.5	720.7	743.7	795.1	818.4	817.8	754.2
62.5°	734.4	738.3	763.8	770.1	743.7	728.7	758.8	820.9	846.9	845.0	776.4
65°	676.0	685.6	716.3	738.3	725.1	721.5	764.3	832.4	861.2	860.9	784.4
67°	626.0	632.6	669.9	697.9	698.7	707.0	758.0	832.7	864.5	862.0	780.5
67.5°	608.4	617.2	655.1	689.1	692.7	702.9	755.6	832.1	862.3	860.9	778.6
70°	528.9	539.0	580.5	623.3	645.2	667.2	733.0	816.8	844.7	841.7	756.4
72.5°	448.2	462.4	501.7	552.5	584.6	620.8	694.1	778.3	811.3	805.0	713.0
75°	370.8	380.4	418.5	473.4	515.1	564.3	640.8	726.5	756.1	750.9	657.8
77.5°	295.6	304.4	341.1	396.3	443.5	498.7	578.5	661.4	684.5	681.4	587.9
80°	233.3	239.6	275.0	324.1	372.7	431.7	507.5	581.6	596.6	598.8	510.7
82.5°	179.5	187.7	218.5	261.8	307.7	363.9	429.8	495.4	512.1	506.6	431.7
85°	137.2	144.1	171.5	208.3	254.1	301.6	360.3	414.1	421.5	415.2	349.9
87.5°	107.3	112.5	133.9	169.6	206.1	246.7	293.7	334.8	338.7	337.6	280.2
90°	83.2	87.8	105.7	133.9	167.4	202.3	239.0	267.9	265.9	267.6	220.9
92.5°	65.3	67.8	84.0	109.0	136.9	164.9	192.9	212.1	211.9	207.2	172.4
95°	53.0	54.3	68.3	89.2	111.7	133.9	154.8	167.1	166.6	161.6	134.5
97.5°	42.8	43.6	55.7	73.3	92.2	109.5	124.6	133.4	129.0	127.1	105.4
100°	35.1	35.7	46.1	61.2	76.8	91.7	102.4	105.9	99.9	98.8	82.9
102.5°	29.9	30.2	39.0	51.9	64.2	75.5	83.4	85.1	77.9	78.5	65.3
105°	25.5	25.8	32.7	44.2	54.6	63.1	68.9	68.1	62.3	61.5	52.1
107.5°	22.2	22.5	28.0	37.9	46.9	54.1	57.1	55.2	49.9	48.9	42.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	19.5	19.8	24.2	32.4	40.3	46.4	48.0	45.0	40.3	39.2	34.6
112.5°	17.6	17.6	21.1	28.0	35.1	40.1	40.6	37.6	32.4	31.8	28.8
115°	15.9	15.9	18.7	24.2	30.5	34.3	34.3	30.7	26.6	26.3	24.2
117.5°	14.5	14.5	16.5	21.1	26.3	29.6	29.1	25.8	22.2	22.0	20.9
120°	13.4	13.4	14.8	18.4	22.8	25.2	24.7	21.4	18.7	18.4	17.8
122.5°	12.4	12.6	13.4	16.2	19.8	21.7	21.1	18.4	15.9	15.6	15.6
125°	11.5	11.5	12.1	14.0	17.0	18.7	17.8	15.1	13.4	13.4	13.4
127.5°	10.7	10.7	11.0	12.4	14.5	15.6	14.8	12.6	11.8	11.5	11.8
130°	9.9	9.9	10.2	10.7	12.4	12.9	12.1	10.7	9.9	9.9	10.2
132.5°	9.1	9.1	9.1	9.3	10.2	10.7	9.9	8.8	8.5	8.5	8.8
135°	8.2	8.5	8.2	8.2	8.5	8.5	7.7	7.1	7.1	7.4	7.7
137.5°	7.4	7.4	7.1	6.9	6.9	6.6	6.0	5.8	6.0	6.0	6.3
140°	6.6	6.6	6.3	5.8	5.2	4.9	4.7	4.4	4.9	4.9	5.2
142.5°	5.8	5.8	5.2	4.7	3.8	3.3	3.0	3.3	3.8	3.8	4.1
145°	4.7	4.7	4.4	3.8	2.7	2.2	1.9	2.5	2.7	2.7	3.0
147.5°	3.8	3.6	3.3	2.7	1.9	1.4	1.1	1.6	1.9	1.9	2.2
150°	2.7	2.7	2.5	1.9	1.1	0.5	0.5	0.8	1.1	1.1	1.4
152.5°	1.9	1.9	1.6	1.1	0.5	0.0	0.3	0.5	0.5	0.5	0.8
155°	1.1	1.1	1.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2.5°	82.9	82.3	81.8	81.0	80.4	79.9	79.3	79.0	79.0	78.8	79.0
5°	85.9	85.1	83.4	82.1	80.4	79.3	78.2	77.7	77.1	76.8	76.8
7.5°	91.4	90.3	87.5	85.1	82.6	80.7	79.3	77.9	77.4	77.1	77.1
10°	99.3	97.7	93.6	90.0	86.5	84.0	81.5	80.1	79.3	78.8	78.8
12.5°	110.6	107.9	102.6	96.6	91.9	88.6	85.6	84.3	84.0	84.0	84.0
15°	125.7	121.9	113.9	106.8	99.9	94.1	91.9	91.9	91.7	91.4	91.7
17.5°	141.3	136.9	127.1	118.0	109.5	103.7	100.2	99.3	99.1	98.8	99.1
20°	160.0	154.5	143.0	130.6	119.9	114.4	109.5	107.3	107.0	107.3	106.8
22.5°	181.1	175.1	158.1	143.3	131.5	123.8	118.0	115.0	115.5	115.5	115.3
25°	206.7	197.3	177.3	157.3	143.0	132.3	125.7	122.7	123.0	123.5	124.0
27.5°	232.5	221.8	196.2	171.8	153.1	140.8	133.1	129.8	129.5	131.2	130.9
30°	262.6	248.9	217.1	186.6	162.5	146.8	138.9	136.1	135.9	137.2	137.5
32.5°	295.0	278.0	238.8	201.4	170.7	152.0	143.0	141.1	140.5	141.9	142.2
35°	330.4	308.8	259.9	214.3	177.6	155.6	146.3	144.1	143.3	144.6	145.2
37.5°	364.7	339.5	281.6	225.9	183.1	157.8	147.7	146.0	144.9	145.7	146.0
40°	401.0	374.1	303.5	236.3	186.3	158.9	148.2	146.6	145.5	145.5	145.5
42.5°	440.8	405.9	321.4	243.7	188.3	158.6	147.7	145.7	144.4	143.3	143.3
45°	481.7	440.2	339.8	249.7	188.5	157.3	146.3	144.6	142.4	140.2	140.0
47.5°	521.4	471.2	356.0	253.0	187.7	155.3	144.4	142.2	140.2	136.9	136.9
50°	560.1	502.2	369.4	254.7	185.3	153.1	142.4	140.2	137.8	133.4	132.8
52.5°	595.5	530.5	379.6	254.1	181.7	150.1	140.0	138.0	135.0	129.8	129.8
55°	630.4	556.6	385.9	250.6	177.3	146.8	137.8	135.9	132.6	127.1	126.5
57.5°	658.9	575.2	388.3	245.1	172.4	143.3	135.6	133.7	130.6	124.6	124.6
60°	683.1	590.9	386.7	237.9	166.9	140.0	132.8	131.7	129.0	123.2	123.2
62.5°	697.1	597.2	380.4	228.9	160.6	136.4	130.4	129.8	127.3	121.9	121.9
65°	700.1	593.1	367.5	217.6	154.2	132.3	127.6	127.3	125.7	120.5	119.9
67°	691.9	582.4	353.2	208.0	148.7	129.0	125.1	125.1	123.8	119.1	118.8
67.5°	688.9	578.3	349.4	205.6	147.7	128.4	124.6	124.9	123.5	118.8	118.0
70°	662.5	550.5	325.8	191.6	140.0	123.5	121.0	121.3	120.2	116.6	115.8
72.5°	621.6	510.7	298.0	178.1	132.3	118.6	116.1	117.2	116.1	113.3	111.7
75°	566.5	462.2	269.2	162.7	124.6	112.5	110.9	111.4	111.2	108.4	107.0
77.5°	501.4	408.7	238.5	148.5	116.1	106.5	104.8	105.7	105.1	102.6	101.0
80°	430.9	352.1	208.9	134.2	107.3	99.6	98.0	98.3	98.0	95.5	93.3
82.5°	361.7	296.7	178.7	120.2	98.8	92.2	90.3	90.0	89.5	86.7	85.1
85°	298.6	243.7	152.6	106.8	90.0	84.0	82.3	81.2	80.4	77.4	76.3
87.5°	237.9	199.2	129.0	95.2	81.2	76.3	74.1	72.2	70.8	68.1	67.0
90°	189.9	160.6	110.1	83.4	73.3	68.9	65.9	63.4	61.8	58.7	57.1
92.5°	150.7	127.9	92.5	73.3	65.6	61.8	59.0	56.0	53.8	49.9	49.1
95°	119.4	102.9	77.9	64.2	58.2	54.9	52.4	49.1	46.1	42.3	41.4
97.5°	94.4	84.0	65.6	56.3	51.3	48.6	46.1	42.8	39.5	35.7	35.1
100°	75.5	67.5	56.3	49.1	45.8	43.1	40.6	37.6	33.5	29.6	29.6
102.5°	60.7	55.4	47.2	43.1	40.3	38.1	36.0	32.9	28.5	24.4	24.4
105°	49.1	45.8	40.6	37.6	35.7	34.0	31.8	28.3	23.9	20.6	20.6
107.5°	40.3	37.9	34.9	32.7	31.6	29.9	28.0	24.4	20.3	17.3	17.3



REPORT NUMBER: P414224

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.5	31.8	29.6	28.8	28.0	26.6	24.4	21.1	17.0	14.8	14.8
112.5°	28.0	27.2	25.5	25.2	24.7	23.6	21.4	18.1	14.3	12.9	12.9
115°	23.9	23.3	22.2	22.2	21.7	20.9	18.7	15.6	12.4	11.0	11.3
117.5°	20.3	20.0	19.5	19.5	19.2	18.4	16.2	13.4	10.4	9.9	9.9
120°	17.8	17.6	17.3	17.0	17.0	15.9	14.0	11.3	9.1	8.8	8.8
122.5°	15.4	15.4	15.1	15.1	14.8	13.7	12.1	9.6	8.0	7.7	7.7
125°	13.4	13.4	13.2	13.2	12.9	12.1	10.4	8.2	6.9	6.9	6.9
127.5°	11.8	11.8	11.5	11.5	11.3	10.2	8.8	6.9	6.0	6.0	6.3
130°	10.4	10.4	10.2	9.9	9.6	8.8	7.1	5.8	5.2	5.5	5.5
132.5°	9.1	8.8	8.8	8.5	8.0	7.1	6.0	4.9	4.7	4.9	4.9
135°	7.7	7.7	7.4	7.1	6.6	6.0	4.9	4.1	4.1	4.4	4.4
137.5°	6.6	6.6	6.3	5.8	5.5	4.7	3.8	3.3	3.6	3.8	3.8
140°	5.2	5.5	5.2	4.7	4.1	3.6	3.0	2.7	3.0	3.3	3.6
142.5°	4.4	4.4	4.1	3.6	3.0	2.5	2.2	2.2	2.7	3.0	3.0
145°	3.3	3.3	3.0	2.7	1.9	1.6	1.4	1.9	2.2	2.5	2.5
147.5°	2.2	2.2	2.2	1.6	1.1	0.8	0.8	1.4	1.9	1.9	1.9
150°	1.4	1.4	1.4	1.1	0.5	0.3	0.5	1.1	1.4	1.6	1.6
152.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.8	1.1	1.1	1.1
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)