

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: P414475

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414475  
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-PA1-20-830-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 2030 lumens  
Efficiency: N/A  
Efficacy: 96.7 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

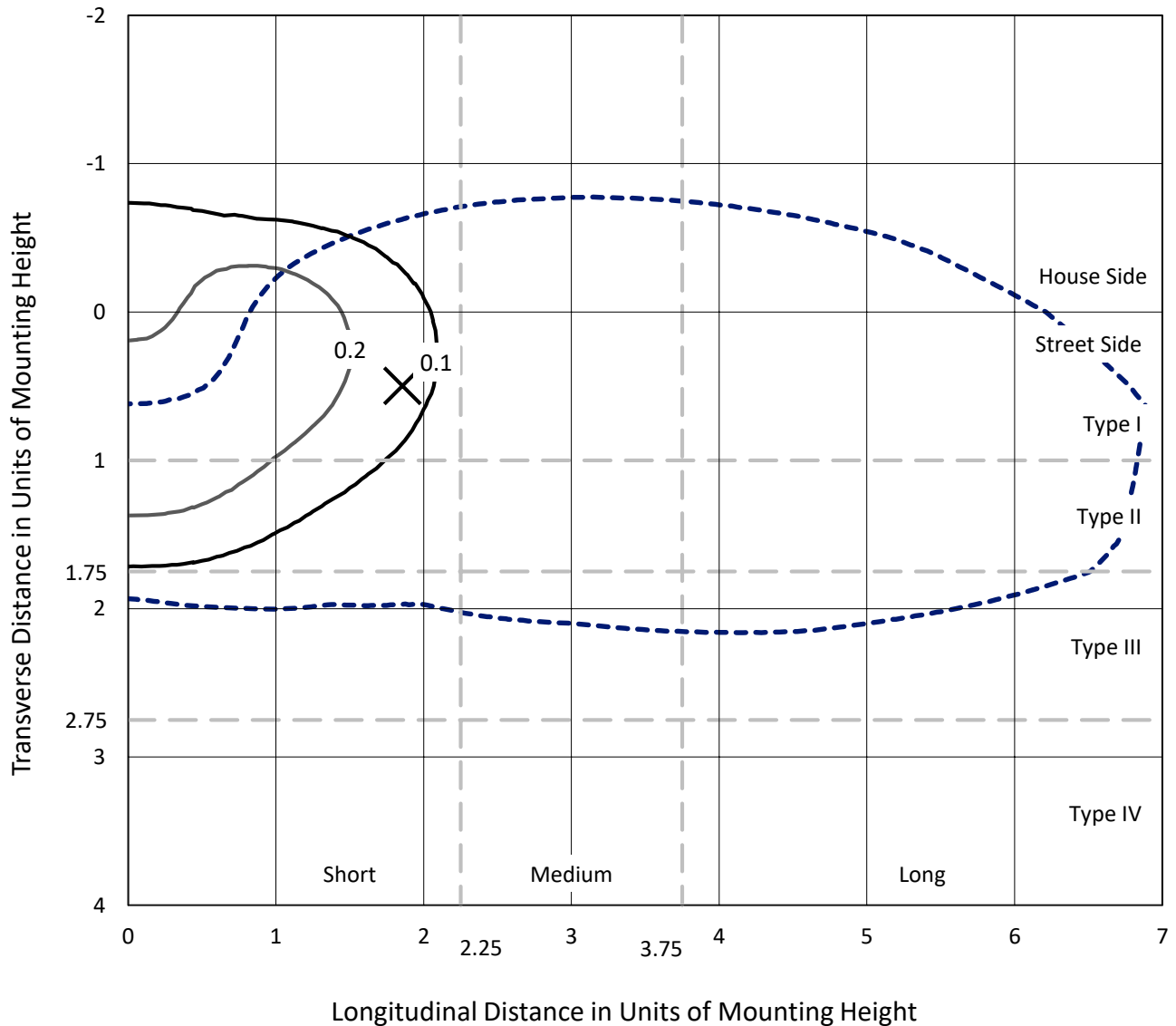


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

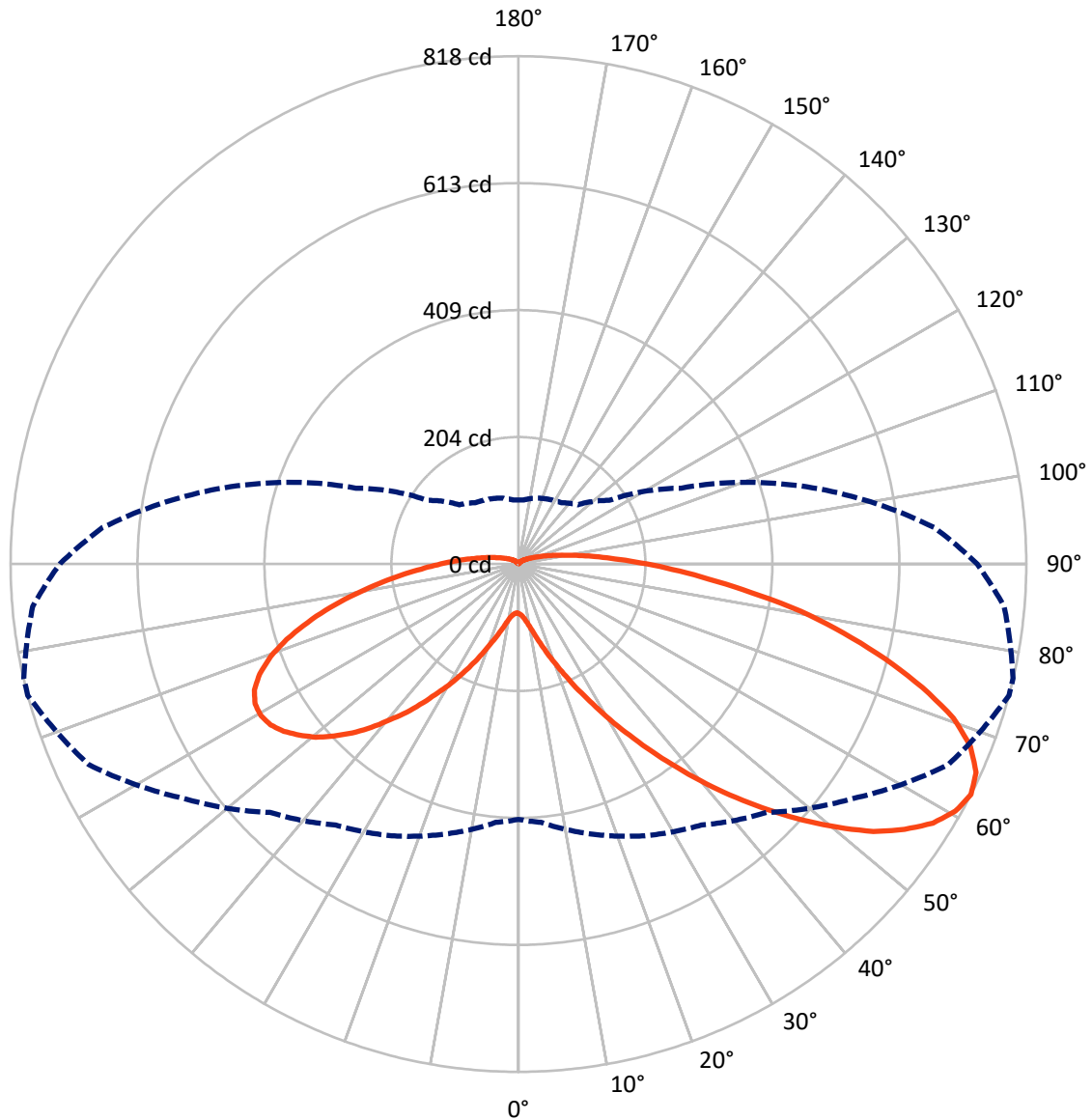


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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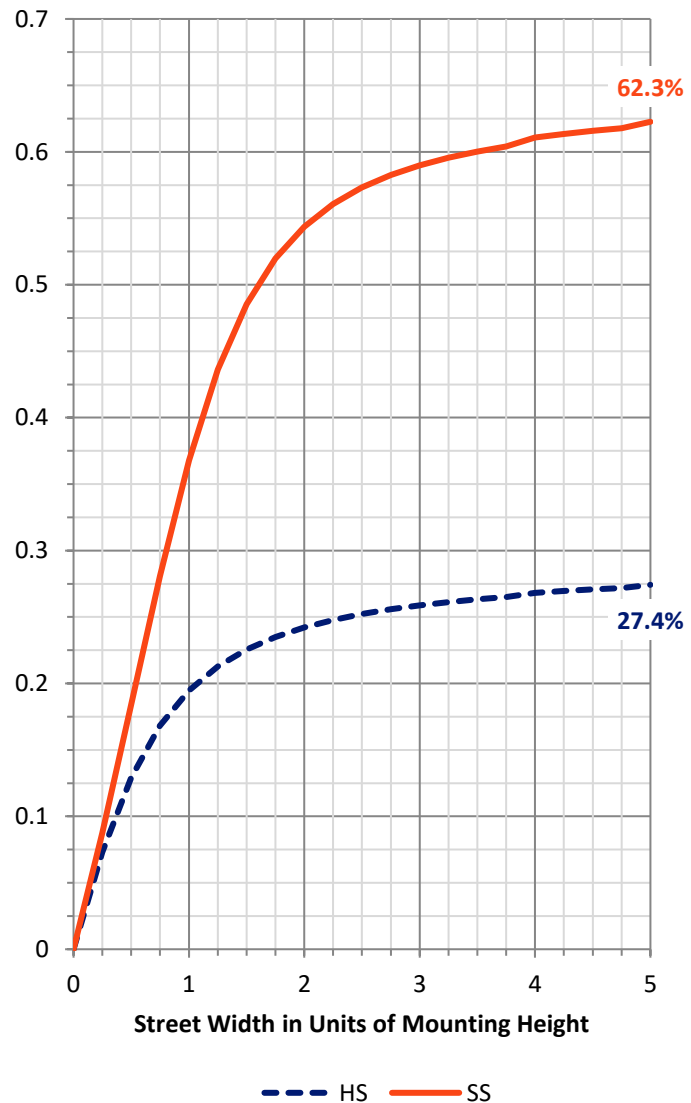
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	580.5	61.7	642.3
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	1303.0	84.8	1387.7
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	1883.5	146.5	2030.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	0.4
10°-20°	35.3	1.7
20°-30°	91.4	4.5
30°-40°	187.0	9.2
40°-50°	310.2	15.3
50°-60°	402.4	19.8
60°-70°	396.3	19.5
70°-80°	291.2	14.3
80°-90°	161.2	7.9
90°-100°	76.1	3.8
100°-110°	36.4	1.8
110°-120°	18.6	0.9
120°-130°	9.6	0.5
130°-140°	4.4	0.2
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1883.5	92.8
0°-180°	2030.0	100.0



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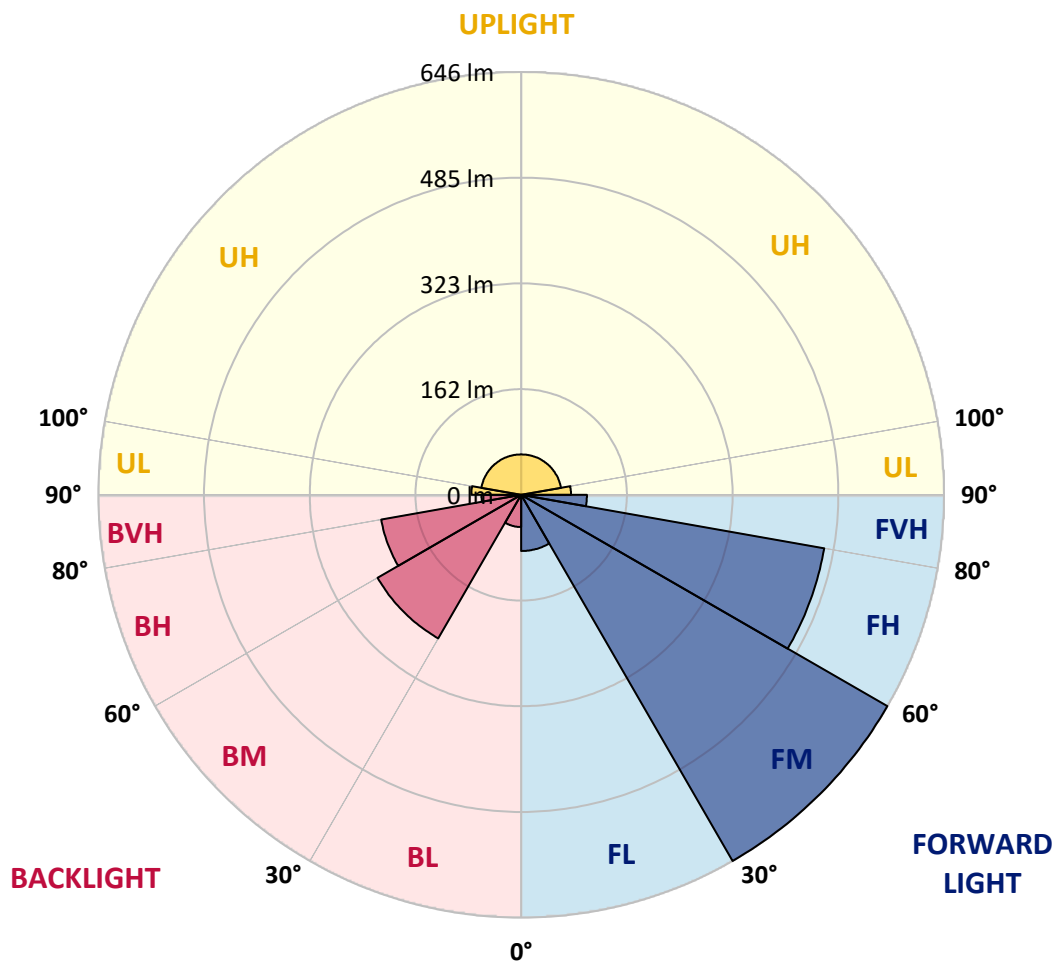
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.9	4.2			
FM	(30°-60°)	646.2	31.8			
FH	(60°-80°)	470.4	23.2			G0/660
FVH	(80°-90°)	100.4	4.9			G2/225
BL	(0°-30°)	49.3	2.4	B0/110		
BM	(30°-60°)	253.4	12.5	B1/1000		
BH	(60°-80°)	217.2	10.7	B1/500		G1/500
BVH	(80°-90°)	60.7	3.0			G1/100
UL	(90°-100°)	76.1	3.8		U3/500	
UH	(100°-180°)	61.7	3.0		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	88.9	88.1	87.7	86.9	86.5	85.5	84.5	83.1	81.9	81.7	80.7
5°	98.2	97.0	97.0	95.8	94.1	92.9	91.0	88.6	86.7	85.5	84.5
7.5°	110.2	109.2	108.0	107.1	105.4	103.2	100.6	97.5	93.6	92.9	90.5
10°	123.6	123.1	122.1	120.2	118.1	115.2	111.6	107.8	103.5	102.7	98.7
12.5°	141.3	141.3	139.9	137.2	134.1	128.8	125.7	121.7	116.6	115.9	110.2
15°	163.1	162.1	160.2	155.7	152.1	147.8	143.9	138.7	132.0	130.8	125.5
17.5°	187.0	185.1	184.2	179.9	175.1	169.8	164.5	158.8	151.4	149.4	143.2
20°	213.9	215.1	211.5	206.7	199.5	194.2	188.2	180.8	172.7	171.2	163.8
22.5°	247.6	246.7	241.6	234.9	228.0	222.2	214.6	207.2	196.1	194.7	186.1
25°	285.0	284.0	277.6	269.2	261.3	251.0	242.1	234.2	225.1	223.0	212.7
27.5°	321.6	326.4	316.6	306.3	297.0	285.5	274.9	264.9	254.6	252.9	242.1
30°	371.7	372.9	361.4	347.3	334.6	320.2	309.2	300.1	291.2	285.7	275.9
32.5°	423.9	420.1	411.0	393.7	373.6	357.6	345.3	337.0	328.6	325.7	311.3
35°	475.6	475.6	461.5	438.3	411.9	395.6	383.7	378.6	371.0	366.4	350.4
37.5°	526.4	525.7	511.3	484.0	456.9	434.7	427.0	421.3	416.0	411.4	391.8
40°	576.5	575.3	558.0	531.4	499.8	476.8	470.6	471.6	465.3	459.1	439.5
42.5°	616.7	616.2	602.6	576.0	538.1	517.8	511.6	517.3	514.4	508.4	485.4
45°	648.8	646.6	635.8	608.8	574.5	553.0	554.7	568.6	565.2	562.3	533.8
47.5°	662.2	662.0	656.0	632.5	600.9	585.8	595.4	614.8	616.0	613.6	581.7
50°	658.6	659.6	659.1	644.7	618.8	611.2	629.6	662.7	666.5	664.1	631.3
52.5°	637.5	638.0	645.9	639.7	625.1	627.2	660.0	702.4	715.8	709.4	675.1
55°	593.0	599.0	614.5	618.1	616.2	630.8	678.2	734.0	754.4	752.2	713.2
57.5°	547.0	544.1	566.4	583.6	593.7	621.2	684.2	756.6	787.2	784.3	747.2
60°	479.9	484.3	511.6	536.2	557.5	598.2	678.7	768.5	808.5	806.8	772.1
62.5°	411.4	417.7	450.0	482.8	513.2	565.7	658.1	764.0	817.9	817.6	785.3
65°	347.0	353.7	383.4	423.2	462.0	521.6	622.2	744.6	810.0	810.4	782.9
67.5°	289.8	293.4	324.5	368.3	406.2	469.9	576.0	706.3	785.1	787.7	763.7
70°	238.8	241.4	271.6	310.6	354.4	412.2	519.9	657.2	743.4	744.3	729.2
72.5°	195.9	198.3	227.3	262.0	302.5	361.6	462.2	590.1	680.6	690.2	676.1
75°	156.6	161.4	186.3	220.1	256.3	308.9	401.1	518.0	610.2	618.4	616.2
77.5°	127.6	134.1	154.0	183.0	216.3	262.0	340.1	446.9	535.7	542.4	544.1
80°	103.0	107.8	127.6	153.3	181.5	221.3	284.3	377.4	460.8	461.5	460.8
82.5°	83.6	87.2	104.9	128.1	153.0	186.1	238.3	314.9	377.9	385.6	387.0
85°	68.0	70.6	86.0	106.8	127.9	155.9	196.6	257.2	307.0	314.9	312.3
87.5°	54.6	58.2	70.4	88.1	107.8	130.0	163.6	208.1	247.9	251.2	250.7
90°	44.8	46.0	58.2	73.3	91.0	108.0	133.6	167.6	197.3	203.3	199.3
92.5°	36.2	38.1	48.4	62.0	75.9	90.8	110.9	137.7	156.1	159.7	157.8
95°	30.4	31.4	40.7	52.0	63.9	77.4	91.5	109.9	123.6	124.8	125.3
97.5°	25.4	26.3	34.0	44.3	54.6	65.4	76.2	89.8	98.9	98.7	98.0
100°	21.8	22.3	29.2	38.6	47.7	55.6	63.9	72.3	77.8	79.5	76.9
102.5°	18.9	19.2	25.1	33.3	41.0	47.9	54.1	60.1	62.3	62.5	61.3
105°	16.8	17.0	22.0	28.7	35.7	41.0	45.7	49.3	50.3	50.3	48.9
107.5°	14.8	15.1	18.9	25.4	31.6	35.9	39.3	41.2	40.7	40.5	39.5
110°	13.7	13.7	16.8	22.5	27.5	31.4	34.0	34.2	33.0	33.0	32.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.5	12.5	14.8	19.9	24.4	27.8	29.5	29.0	27.3	26.8	26.8
115°	11.5	11.5	13.2	17.5	21.8	24.4	25.6	24.4	22.5	22.3	22.0
117.5°	10.8	10.8	12.0	15.6	19.2	21.6	22.3	21.1	18.9	18.7	18.7
120°	10.1	10.1	11.0	13.7	17.0	18.9	19.4	18.0	15.8	15.8	16.0
122.5°	9.6	9.6	10.1	12.2	15.1	16.8	16.8	15.3	13.4	13.4	13.7
125°	9.1	9.1	9.3	10.8	13.2	14.6	14.4	12.7	11.5	11.5	11.7
127.5°	8.6	8.6	8.6	9.6	11.5	12.7	12.5	10.8	9.8	9.8	10.3
130°	8.1	8.1	7.9	8.4	9.8	10.8	10.3	9.1	8.4	8.4	8.9
132.5°	7.7	7.7	7.2	7.4	8.4	8.9	8.4	7.4	7.2	7.2	7.4
135°	7.2	6.9	6.7	6.5	6.9	7.2	6.7	6.0	6.0	6.0	6.5
137.5°	6.5	6.5	6.0	5.5	5.5	5.5	5.3	4.6	4.8	5.0	5.3
140°	6.0	6.0	5.5	4.8	4.3	4.3	3.8	3.6	3.8	4.1	4.3
142.5°	5.3	5.3	4.8	4.1	3.4	2.9	2.6	2.4	2.9	3.1	3.1
145°	4.6	4.6	4.1	3.1	2.4	1.7	1.4	1.7	1.9	2.2	2.4
147.5°	3.8	3.6	3.1	2.4	1.2	0.7	0.5	1.0	1.2	1.2	1.4
150°	2.9	2.9	2.4	1.7	0.7	0.0	0.2	0.5	0.7	0.7	1.0
152.5°	2.2	1.9	1.7	1.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
155°	1.2	1.2	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.2	0.2	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	80.2	79.5	78.6	77.8	77.1	76.2	75.7	75.0	75.0	75.0	75.4
5°	83.1	82.1	80.0	78.1	76.2	74.7	73.3	72.3	71.8	71.4	71.6
7.5°	88.4	87.2	83.8	80.5	77.8	75.2	73.3	71.6	70.9	70.6	70.6
10°	96.5	94.4	89.3	84.8	80.9	77.4	74.7	72.6	71.6	70.9	70.9
12.5°	107.5	104.4	98.4	92.2	86.5	81.7	77.8	76.2	75.4	75.0	75.2
15°	122.1	118.8	109.7	101.5	94.1	87.7	84.1	82.4	81.4	80.9	80.7
17.5°	139.1	134.4	123.3	112.8	103.5	96.3	91.7	89.1	87.4	86.5	86.7
20°	157.8	151.6	137.5	126.0	114.0	106.8	99.9	95.6	93.4	92.9	93.2
22.5°	178.9	172.4	156.1	139.4	126.9	116.2	107.8	102.3	99.6	99.4	99.4
25°	203.8	195.2	176.0	155.0	138.9	125.3	115.4	108.7	105.9	104.9	104.9
27.5°	232.1	220.6	196.9	172.7	150.6	133.4	121.9	114.2	111.1	110.4	110.4
30°	263.2	251.2	221.0	189.4	161.9	140.6	127.6	119.5	115.4	114.5	114.7
32.5°	297.4	281.9	243.8	207.4	171.7	146.3	131.5	123.3	118.8	117.6	117.6
35°	334.6	316.4	270.9	224.9	181.1	150.9	134.4	126.0	120.9	119.7	119.5
37.5°	376.2	353.5	298.9	240.9	188.5	153.8	136.3	127.6	122.1	120.5	120.2
40°	419.8	393.7	324.7	255.5	194.7	155.4	136.7	128.4	122.6	120.0	119.7
42.5°	460.5	431.8	354.2	268.9	198.5	156.1	136.5	128.1	122.1	118.5	118.3
45°	505.6	470.4	381.3	281.2	200.9	155.7	135.6	126.9	121.2	116.6	116.2
47.5°	552.7	512.3	406.2	290.0	201.9	154.2	134.4	126.0	119.5	114.5	114.0
50°	595.4	548.2	429.4	297.0	201.4	152.1	132.4	124.5	118.1	112.3	111.8
52.5°	637.0	585.8	447.6	300.8	199.0	149.7	130.8	122.9	116.4	110.4	109.7
55°	674.9	615.5	463.9	302.5	195.9	146.6	128.4	121.4	115.0	108.5	107.8
57.5°	704.1	643.5	475.9	300.3	191.1	143.0	126.0	119.3	113.3	106.8	106.1
60°	725.7	662.0	481.4	296.2	185.6	138.9	123.1	117.1	111.6	105.4	104.7
62.5°	738.6	672.3	480.2	289.1	178.7	134.8	120.5	115.0	109.9	103.7	103.2
65°	736.4	668.2	471.1	277.6	171.2	129.6	116.4	112.1	107.5	101.8	101.1
67.5°	719.0	651.7	452.6	263.2	162.9	124.3	112.6	108.2	104.4	99.4	98.0
70°	687.8	621.2	426.1	245.2	153.3	118.3	108.0	103.9	100.6	95.8	94.4
72.5°	635.4	576.9	392.3	226.6	143.0	111.4	102.0	98.7	95.1	91.2	89.6
75°	575.5	521.4	352.5	204.5	132.0	104.4	95.8	92.4	89.1	85.0	83.6
77.5°	510.4	458.4	311.3	185.1	120.7	96.5	88.9	86.0	82.6	78.3	76.6
80°	432.5	391.1	267.5	162.9	109.4	88.9	81.7	78.6	75.0	70.9	69.2
82.5°	362.3	325.7	227.0	142.7	98.2	80.9	74.7	70.2	66.8	62.7	59.9
85°	296.2	270.6	190.4	122.6	87.7	72.8	66.6	62.7	58.9	54.1	52.2
87.5°	238.3	216.5	156.4	105.9	77.4	64.9	59.2	55.3	51.0	46.0	44.3
90°	188.5	175.1	130.0	91.0	68.5	58.2	52.4	48.4	43.6	39.0	38.1
92.5°	149.4	140.1	107.5	77.4	60.4	51.5	46.2	42.2	37.4	32.8	31.4
95°	120.2	111.1	88.1	67.5	52.9	45.3	40.7	36.9	32.1	27.5	26.6
97.5°	96.0	88.9	72.3	56.8	46.5	40.2	36.2	32.1	27.3	23.2	22.8
100°	75.2	70.9	59.9	48.9	41.0	35.7	31.9	28.3	23.5	19.4	19.2
102.5°	60.1	57.7	49.8	42.2	35.9	31.6	28.5	24.7	20.4	16.5	16.3
105°	48.4	46.9	41.4	36.2	31.9	28.3	25.4	21.6	17.2	14.1	14.1
107.5°	39.3	38.1	34.7	30.9	28.0	25.4	22.3	18.9	14.8	12.2	12.2
110°	32.1	31.6	29.5	26.8	24.7	22.5	19.6	16.3	12.7	10.8	10.8



REPORT NUMBER: P414475

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.8	26.6	24.9	23.5	21.8	19.9	17.5	14.4	11.0	9.3	9.6
115°	22.3	22.3	21.3	20.4	19.2	17.7	15.3	12.2	9.3	8.4	8.4
117.5°	18.9	18.7	18.4	17.7	17.0	15.6	13.2	10.5	7.9	7.4	7.7
120°	16.3	16.3	15.8	15.6	14.8	13.4	11.5	8.9	6.7	6.7	6.7
122.5°	13.9	14.1	13.7	13.4	12.9	12.0	9.8	7.4	6.0	5.7	6.0
125°	12.2	12.2	12.0	11.7	11.3	10.1	8.4	6.2	5.0	5.3	5.3
127.5°	10.3	10.5	10.3	10.1	9.8	8.6	6.9	5.0	4.3	4.6	4.6
130°	9.1	9.1	8.9	8.6	8.1	7.2	5.7	4.1	3.8	4.1	4.1
132.5°	7.7	7.7	7.7	7.2	6.7	6.0	4.6	3.4	3.1	3.6	3.6
135°	6.5	6.5	6.5	6.0	5.5	4.6	3.4	2.6	2.6	3.1	3.1
137.5°	5.3	5.5	5.3	4.8	4.3	3.6	2.6	1.9	2.2	2.6	2.6
140°	4.3	4.3	4.1	3.8	3.1	2.4	1.7	1.4	1.9	2.2	2.2
142.5°	3.4	3.4	3.1	2.6	2.2	1.7	1.0	1.0	1.4	1.7	1.7
145°	2.4	2.4	2.2	1.7	1.2	0.7	0.2	0.5	1.0	1.2	1.2
147.5°	1.4	1.4	1.4	1.2	0.7	0.2	0.0	0.2	0.5	0.7	0.7
150°	1.0	1.0	1.0	0.7	0.5	0.0	0.0	0.0	0.2	0.5	0.5
152.5°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.2	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)