

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: P414492

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
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-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2155 lumens  
Efficiency: N/A  
Efficacy: 102.6 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 - U2 - G1

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

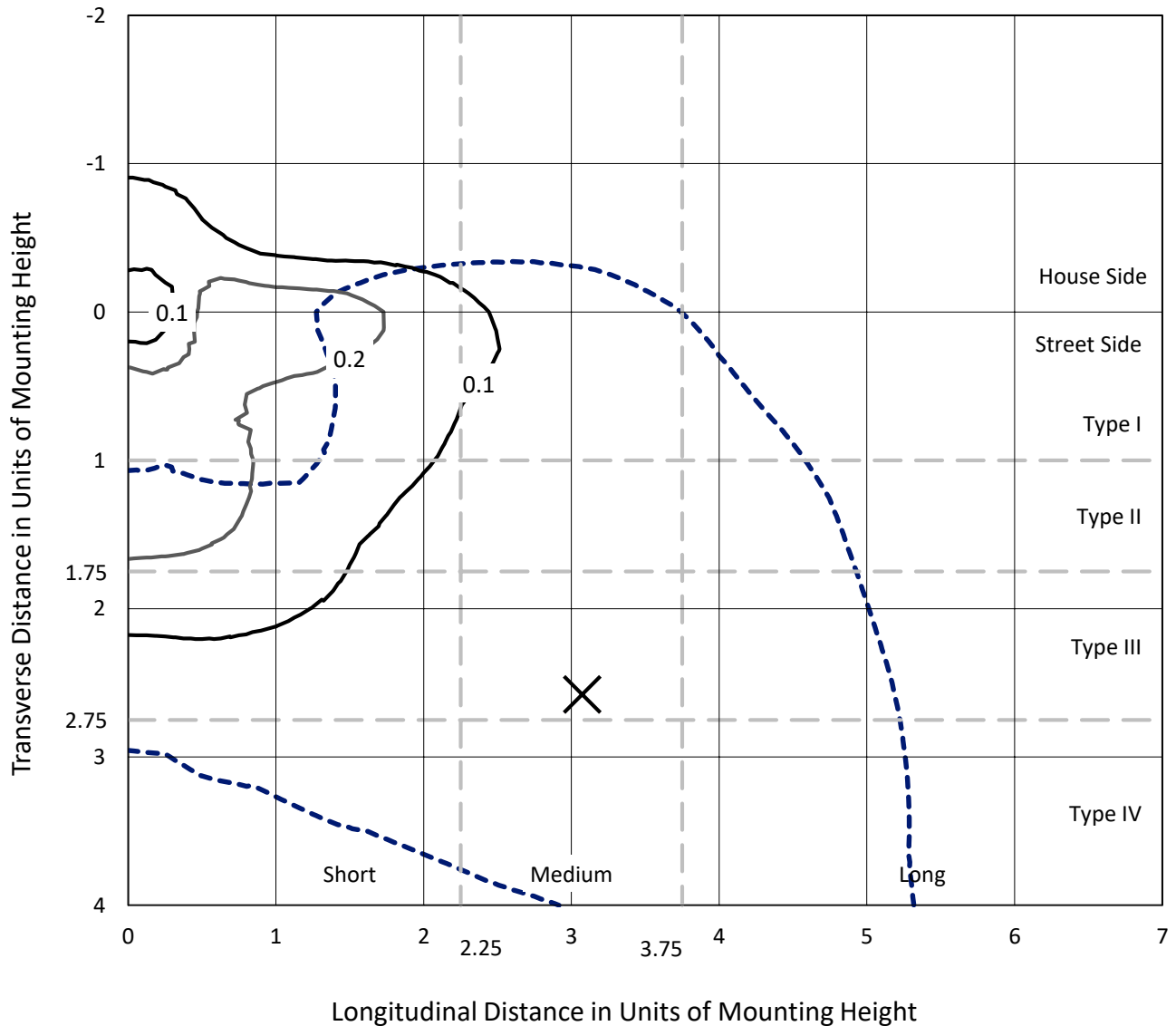


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

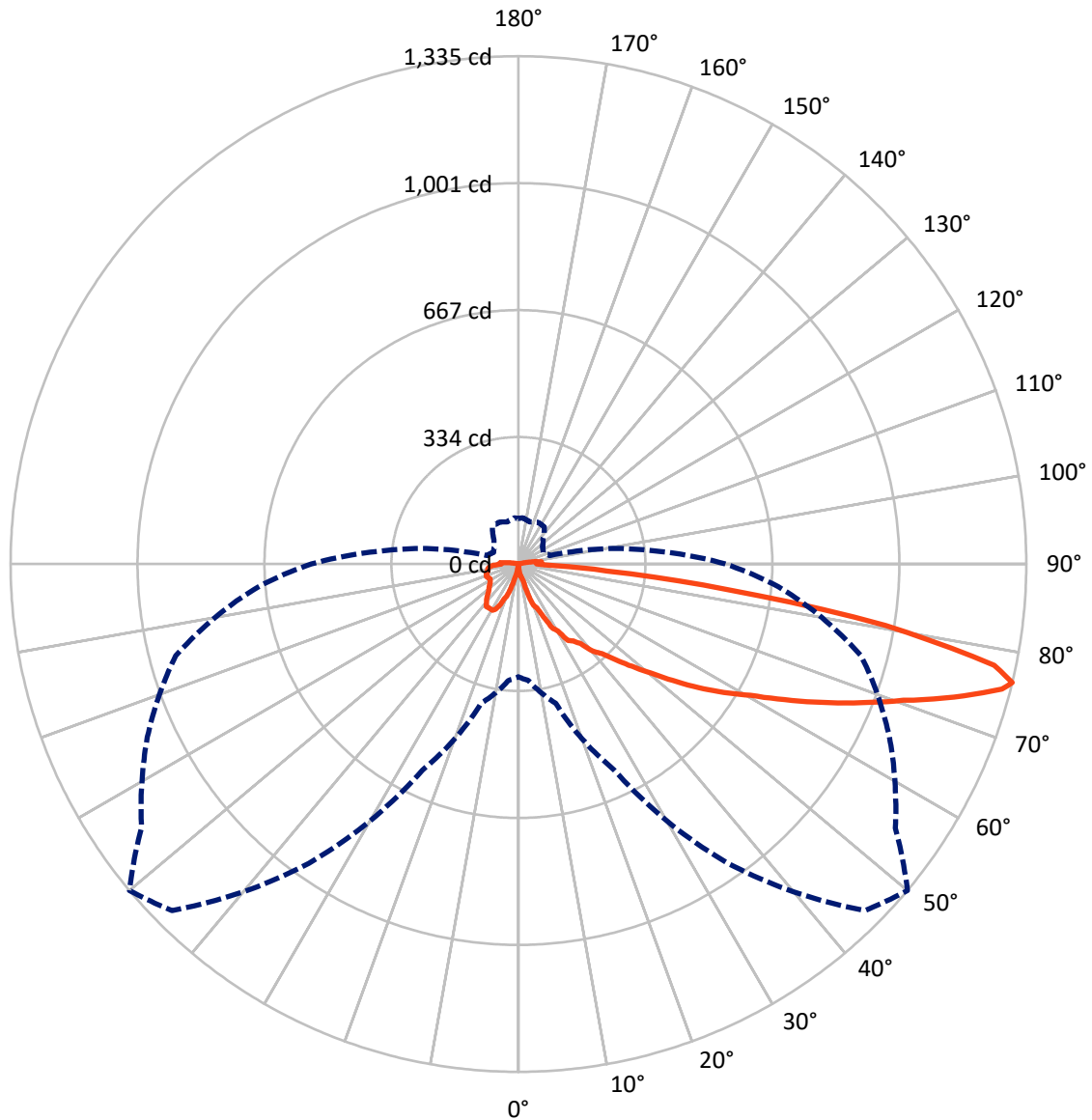


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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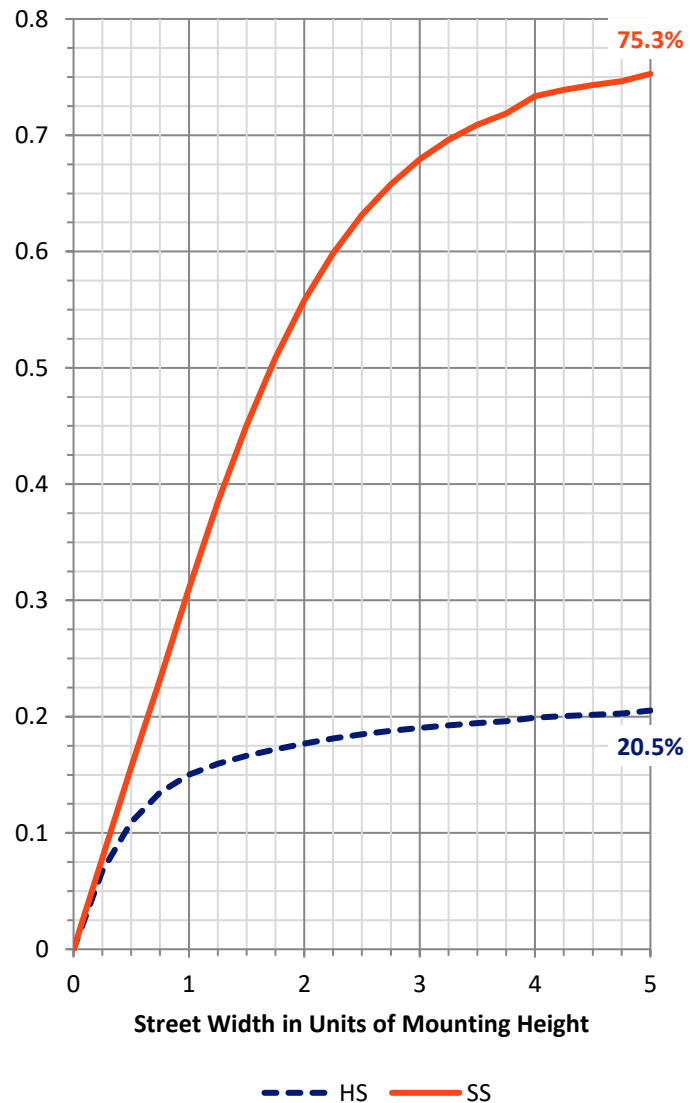
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	470.3	26.5	496.8
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	1636.9	21.3	1658.2
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	2107.2	47.8	2155.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	18.0	0.8
20°-30°	70.3	3.3
30°-40°	151.3	7.0
40°-50°	246.5	11.4
50°-60°	396.9	18.4
60°-70°	578.1	26.8
70°-80°	515.7	23.9
80°-90°	129.2	6.0
90°-100°	37.8	1.8
100°-110°	5.6	0.3
110°-120°	1.6	0.1
120°-130°	1.1	0.1
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2107.2	97.8
0°-180°	2155.0	100.0



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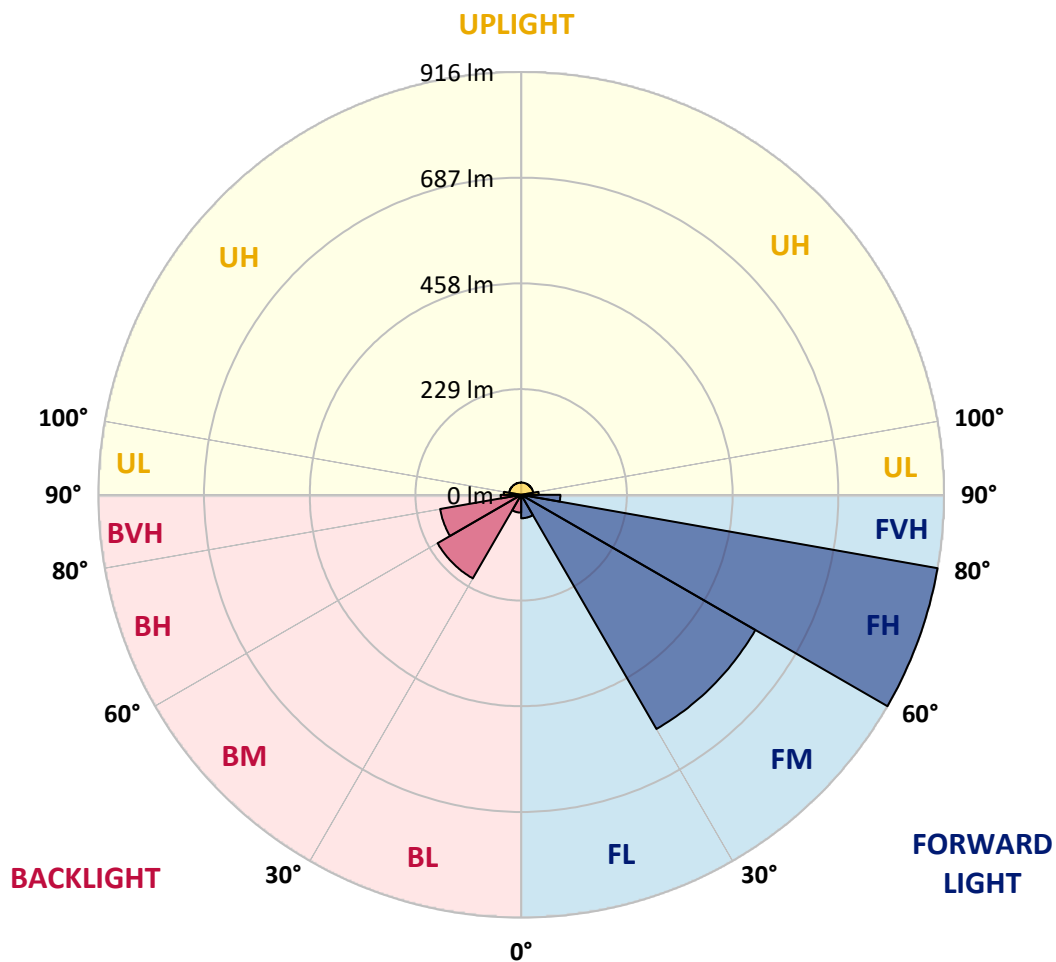
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T4W-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.8	2.4			
FM	(30°-60°)	585.6	27.2			
FH	(60°-80°)	915.7	42.5			G1/1800
FVH	(80°-90°)	84.8	3.9			G1/100
BL	(0°-30°)	38.7	1.8	B0/110		
BM	(30°-60°)	209.1	9.7	B0/220		
BH	(60°-80°)	178.2	8.3	B1/500		G1/500
BVH	(80°-90°)	44.4	2.1			G1/100
UL	(90°-100°)	37.8	1.8		U2/50	
UH	(100°-180°)	26.5	1.2		U2/50	

**BUG Rating: B1-U2-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	3.1	2.4	2.2	1.9	1.9	1.7	1.7	1.4	1.4	1.4	1.4
5°	30.2	29.2	27.1	25.1	8.6	7.2	6.0	4.6	1.7	1.7	1.4
7.5°	36.2	35.4	34.0	33.1	31.6	29.5	27.1	12.7	5.0	1.9	1.7
10°	47.4	43.8	41.0	38.6	36.9	33.3	32.3	30.4	8.4	3.6	2.6
12.5°	84.8	82.9	80.0	54.4	44.8	38.3	36.9	35.2	27.3	12.9	23.2
15°	93.4	91.5	88.6	85.0	79.8	47.2	44.3	55.1	70.4	52.9	55.3
17.5°	109.7	108.7	101.1	92.4	87.2	92.7	92.9	84.3	80.0	69.9	63.7
20°	152.1	151.1	146.8	124.8	98.7	117.1	116.6	112.3	89.8	103.2	111.1
22.5°	158.3	157.1	153.3	147.3	156.2	128.4	125.3	125.3	132.4	140.3	130.8
25°	208.4	207.2	177.9	155.0	167.4	152.8	153.3	169.6	146.6	154.0	147.1
27.5°	217.7	216.0	213.6	198.3	176.3	193.5	190.9	182.0	190.6	212.7	205.2
30°	254.1	235.7	227.8	218.9	208.1	205.0	203.8	219.9	226.1	224.6	226.8
32.5°	294.8	294.1	286.4	233.5	235.4	220.3	239.7	246.9	237.3	272.8	295.5
35°	354.2	329.8	314.9	279.7	245.0	254.8	248.1	255.5	288.4	291.7	313.5
37.5°	445.2	443.8	409.8	308.7	282.6	260.8	265.6	286.2	307.8	312.5	342.0
40°	520.4	513.5	491.9	384.9	307.3	282.1	301.3	296.7	319.5	336.3	364.5
42.5°	576.2	582.7	570.5	445.5	356.9	315.9	321.6	315.7	336.7	368.1	396.8
45°	629.6	627.0	635.4	507.0	404.5	359.2	358.8	344.2	368.3	403.6	441.4
47.5°	673.2	669.4	678.0	573.8	459.4	398.5	401.9	383.0	406.2	447.9	507.5
50°	721.8	714.4	720.2	629.9	531.0	455.3	450.7	436.1	449.3	506.1	588.2
52.5°	780.3	775.0	764.7	685.7	604.7	513.7	508.0	493.8	508.2	578.4	677.5
55°	832.7	826.7	818.4	762.6	666.0	573.1	573.4	559.2	587.2	657.4	781.2
57.5°	887.3	884.5	888.8	848.5	753.7	635.1	636.6	628.0	678.3	738.6	891.2
60°	932.6	928.3	952.2	936.4	831.5	706.0	700.3	709.6	771.2	823.4	1002.5
62.5°	949.8	952.7	998.0	1017.4	907.0	782.4	784.6	797.3	857.2	924.9	1109.8
65°	868.9	879.0	1005.4	1031.5	991.0	867.2	877.5	875.4	945.3	999.7	1200.4
67.5°	781.0	792.5	930.0	1035.1	1056.2	966.9	972.1	950.8	1021.2	1046.4	1267.9
70°	718.7	727.6	840.6	1014.8	1096.2	1070.8	1073.2	1033.7	1076.3	1101.2	1265.5
72.5°	611.0	620.3	724.7	937.9	1121.1	1196.8	1196.8	1109.6	1120.8	1100.0	1117.5
75°	412.9	416.5	502.0	728.1	1056.7	1299.5	1312.0	1192.5	1105.5	999.2	833.5
76°	296.5	307.5	379.1	597.8	959.7	1287.8	1334.5	1209.2	1075.6	932.4	685.9
77.5°	157.1	167.2	223.7	382.7	778.4	1197.5	1278.2	1157.7	980.7	800.4	507.3
80°	61.6	60.8	76.9	136.3	394.2	910.8	978.1	853.3	663.4	463.7	240.9
82.5°	33.8	37.1	48.9	72.1	171.0	502.5	552.5	450.3	338.6	213.9	140.8
85°	21.6	22.0	28.7	44.5	105.6	211.7	232.6	192.8	158.5	131.2	100.1
87.5°	12.9	13.4	15.1	20.6	52.2	62.3	68.0	80.0	91.0	90.3	86.5
90°	8.9	8.9	7.4	8.1	24.4	49.8	47.9	51.0	46.5	58.9	83.3
92.5°	8.6	8.6	7.2	7.4	20.8	55.3	55.6	55.3	49.1	60.1	87.7
95°	7.7	7.9	6.2	6.5	15.3	51.7	60.8	58.9	49.6	60.6	87.4
97.5°	6.5	6.7	4.8	5.5	10.3	35.0	45.3	46.2	30.9	30.7	39.5
100°	4.8	5.0	3.4	4.3	6.2	16.0	24.2	22.8	15.3	8.4	5.5
102.5°	4.6	4.8	2.9	3.4	3.8	5.5	8.9	6.7	5.7	4.8	4.8
105°	5.0	5.0	2.6	2.4	2.4	2.6	2.2	3.1	3.4	3.6	5.0
107.5°	4.3	4.6	1.9	1.9	1.7	1.7	1.4	1.4	1.9	3.1	5.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	3.4	3.4	1.7	1.7	1.2	1.4	1.4	1.2	1.7	2.4	4.3
112.5°	1.9	2.2	1.0	1.4	1.0	1.2	1.2	1.0	1.4	1.7	2.4
115°	1.9	1.9	1.0	0.7	0.7	0.7	1.0	1.0	1.2	1.7	2.6
117.5°	1.9	1.9	1.0	0.7	0.5	0.7	0.7	0.7	1.2	1.7	2.6
120°	1.9	1.9	1.0	0.5	0.5	0.5	0.5	0.7	1.2	1.7	2.6
122.5°	2.2	1.9	1.0	0.5	0.5	0.5	0.5	0.7	1.2	1.7	2.4
125°	2.2	1.9	1.0	0.5	0.5	0.5	0.5	0.7	1.0	1.4	2.2
127.5°	2.2	1.9	1.0	0.5	0.5	0.5	0.5	0.7	1.0	1.4	1.9
130°	1.9	1.9	1.0	0.5	0.5	0.5	0.5	0.7	1.0	1.4	1.9
132.5°	1.9	1.7	1.0	0.5	0.5	0.5	0.5	0.7	1.0	1.2	1.7
135°	1.7	1.4	1.0	0.5	0.7	0.5	0.7	0.7	1.0	1.2	1.4
137.5°	1.4	1.4	1.0	0.7	0.7	0.7	0.7	0.7	1.0	1.2	1.2
140°	1.7	1.4	1.0	1.0	0.7	0.7	0.7	0.7	1.0	1.2	1.2
142.5°	1.9	1.7	1.2	1.0	1.0	0.7	0.7	1.0	1.0	1.2	1.2
145°	1.9	1.9	1.4	1.2	0.7	0.7	0.7	1.0	1.2	1.2	1.4
147.5°	2.2	1.9	1.4	1.2	0.7	0.5	0.7	0.7	1.2	1.4	1.4
150°	1.9	1.9	1.2	1.0	0.5	0.2	0.5	0.7	1.2	1.4	1.4
152.5°	1.4	1.4	1.0	0.5	0.2	0.2	0.5	0.7	1.0	1.2	1.4
155°	1.0	1.0	0.5	0.2	0.0	0.2	0.2	0.5	0.7	1.0	1.2
157.5°	0.5	0.5	0.2	0.0	0.0	0.2	0.2	0.5	0.7	1.0	1.0
160°	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5	0.7	0.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.4	1.2	1.2	1.0	1.0	0.7	0.7	0.7	0.7	1.0	1.2
5°	1.4	1.4	1.2	1.2	1.2	1.0	1.0	1.4	1.7	1.9	1.9
7.5°	1.4	1.4	1.4	1.2	1.4	1.9	7.7	22.0	24.2	25.6	26.1
10°	2.6	2.4	2.2	1.9	3.6	24.4	30.2	32.8	34.0	35.2	35.2
12.5°	25.1	25.1	10.3	5.7	24.7	32.8	34.5	36.4	38.1	39.8	40.0
15°	54.6	53.9	52.0	47.7	41.2	37.1	38.8	57.5	67.5	72.1	71.4
17.5°	62.5	61.6	60.4	68.7	71.6	57.2	66.8	74.2	76.4	78.8	78.6
20°	115.9	114.7	89.3	80.0	78.3	96.0	76.4	78.1	81.9	104.4	105.1
22.5°	129.8	128.4	119.5	121.9	91.5	104.2	100.8	105.6	117.8	121.4	121.9
25°	152.1	146.3	135.6	127.4	129.6	108.7	125.5	117.6	122.1	126.5	127.2
27.5°	210.5	207.2	188.0	142.7	132.2	136.0	130.8	127.9	152.8	161.9	162.6
30°	226.8	223.5	199.5	165.3	139.4	139.4	131.7	159.5	160.7	165.5	166.7
32.5°	308.2	301.5	253.6	167.9	144.7	133.2	149.2	157.1	176.3	190.6	193.0
35°	327.2	321.4	261.8	191.8	139.9	138.7	140.8	165.5	179.6	188.2	190.2
37.5°	346.8	340.3	260.8	182.7	148.2	132.2	137.0	154.7	175.1	197.3	200.2
40°	373.6	365.7	262.0	171.0	138.9	125.0	128.6	148.5	162.4	176.3	178.7
42.5°	409.5	393.7	264.2	160.5	128.1	121.9	122.6	134.1	140.6	146.3	146.3
45°	457.9	432.3	264.9	149.4	117.4	114.7	115.7	120.9	123.3	119.7	118.1
47.5°	522.8	480.0	273.7	139.6	108.3	106.8	107.5	109.2	108.0	98.7	97.0
50°	598.5	536.0	278.5	131.0	101.5	101.3	100.1	100.1	95.8	85.3	84.5
52.5°	682.1	602.8	282.6	120.5	96.8	98.0	98.0	92.9	86.5	78.1	77.4
55°	788.2	679.9	288.6	111.4	92.7	92.4	95.1	88.9	82.1	75.0	75.0
57.5°	893.6	761.6	295.8	103.5	88.1	88.6	92.4	87.4	83.8	81.0	80.7
60°	998.9	845.9	284.3	96.3	86.5	85.5	91.7	92.9	88.6	90.3	92.0
62.5°	1097.9	899.8	238.1	90.1	83.3	84.8	98.0	105.4	103.9	102.3	102.7
65°	1144.6	910.8	193.0	84.5	81.2	89.8	108.0	119.3	114.5	109.0	108.5
67.5°	1152.5	882.3	142.0	81.2	80.0	98.7	115.9	122.4	115.2	113.0	111.1
70°	1096.9	810.0	113.5	77.6	81.0	100.1	120.9	121.7	116.4	118.8	116.4
72.5°	932.8	674.7	99.4	74.2	81.2	96.5	120.9	121.9	115.9	122.9	121.7
75°	668.0	473.0	88.4	71.4	78.6	92.4	119.3	121.7	114.5	122.1	120.2
76°	544.1	375.3	85.3	72.1	77.4	91.0	118.8	120.9	114.7	121.7	119.7
77.5°	359.5	245.2	80.0	71.6	75.2	90.3	117.6	120.0	114.5	120.2	118.3
80°	192.3	138.9	72.1	66.8	72.6	90.8	116.6	117.6	109.9	116.4	114.0
82.5°	126.7	103.5	62.3	60.6	69.9	91.5	116.2	114.7	106.1	116.4	109.9
85°	99.4	85.5	46.7	48.6	63.7	88.4	114.7	110.6	102.7	105.6	101.8
87.5°	84.3	70.4	28.0	34.7	55.8	75.2	101.8	91.5	86.9	89.8	88.1
90°	79.3	62.3	15.8	24.4	41.9	50.1	64.2	59.6	57.7	61.1	60.4
92.5°	80.0	60.8	15.6	23.2	44.8	53.9	66.3	61.1	55.3	55.3	54.6
95°	76.4	56.8	15.3	18.4	40.5	52.5	62.3	54.8	44.5	42.4	41.7
97.5°	33.3	27.5	14.4	14.1	23.2	36.2	45.3	39.3	29.5	23.0	23.0
100°	5.5	8.9	12.5	13.7	13.7	19.2	25.6	24.2	14.1	7.4	7.7
102.5°	5.7	5.0	8.6	11.3	8.9	7.9	11.7	14.6	9.3	2.9	3.1
105°	6.0	5.3	4.3	7.9	5.0	2.6	3.6	6.7	4.3	2.9	2.9
107.5°	6.5	5.5	2.6	2.9	2.2	2.2	1.9	1.7	2.2	2.9	3.1



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.0	4.6	2.4	2.2	1.9	2.2	1.4	1.4	1.7	2.9	3.1
112.5°	2.9	2.9	2.2	1.7	1.7	1.9	1.2	1.2	1.7	3.1	3.1
115°	2.9	2.9	1.9	1.4	1.2	1.4	1.2	1.0	1.7	3.1	3.4
117.5°	2.9	2.9	1.9	1.4	1.2	1.0	1.0	1.0	1.7	3.1	3.4
120°	2.9	2.6	1.7	1.2	1.2	0.7	0.7	0.7	1.4	3.1	3.4
122.5°	2.6	2.6	1.7	1.2	1.0	0.7	0.7	0.7	1.4	2.9	3.1
125°	2.4	2.4	1.7	1.2	1.0	0.7	0.5	0.7	1.4	2.6	2.9
127.5°	2.2	2.2	1.4	1.2	1.0	0.7	0.5	0.7	1.4	2.6	2.9
130°	1.9	1.9	1.4	1.0	1.0	0.5	0.5	0.5	1.4	2.4	2.6
132.5°	1.7	1.7	1.2	1.0	0.7	0.5	0.2	0.5	1.2	2.2	2.2
135°	1.4	1.4	1.2	1.0	0.7	0.5	0.2	0.5	1.0	1.7	1.9
137.5°	1.2	1.2	1.0	1.0	0.7	0.5	0.2	0.5	0.7	1.4	1.4
140°	1.2	1.2	1.0	1.0	0.7	0.5	0.2	0.5	0.7	1.2	1.4
142.5°	1.2	1.2	1.0	1.0	0.7	0.5	0.2	0.5	0.7	1.2	1.4
145°	1.4	1.2	1.2	1.0	0.7	0.5	0.2	0.5	1.0	1.4	1.4
147.5°	1.4	1.4	1.2	1.0	0.7	0.5	0.2	0.5	1.0	1.4	1.4
150°	1.4	1.4	1.2	1.0	0.7	0.2	0.0	0.2	0.7	1.2	1.4
152.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0	0.0	0.5	1.0	1.0
155°	1.2	1.0	1.0	0.7	0.5	0.2	0.0	0.0	0.2	0.5	0.5
157.5°	1.0	1.0	0.7	0.5	0.2	0.2	0.0	0.0	0.0	0.2	0.2
160°	0.7	0.7	0.5	0.5	0.2	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)