

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: P414474

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2162 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - 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

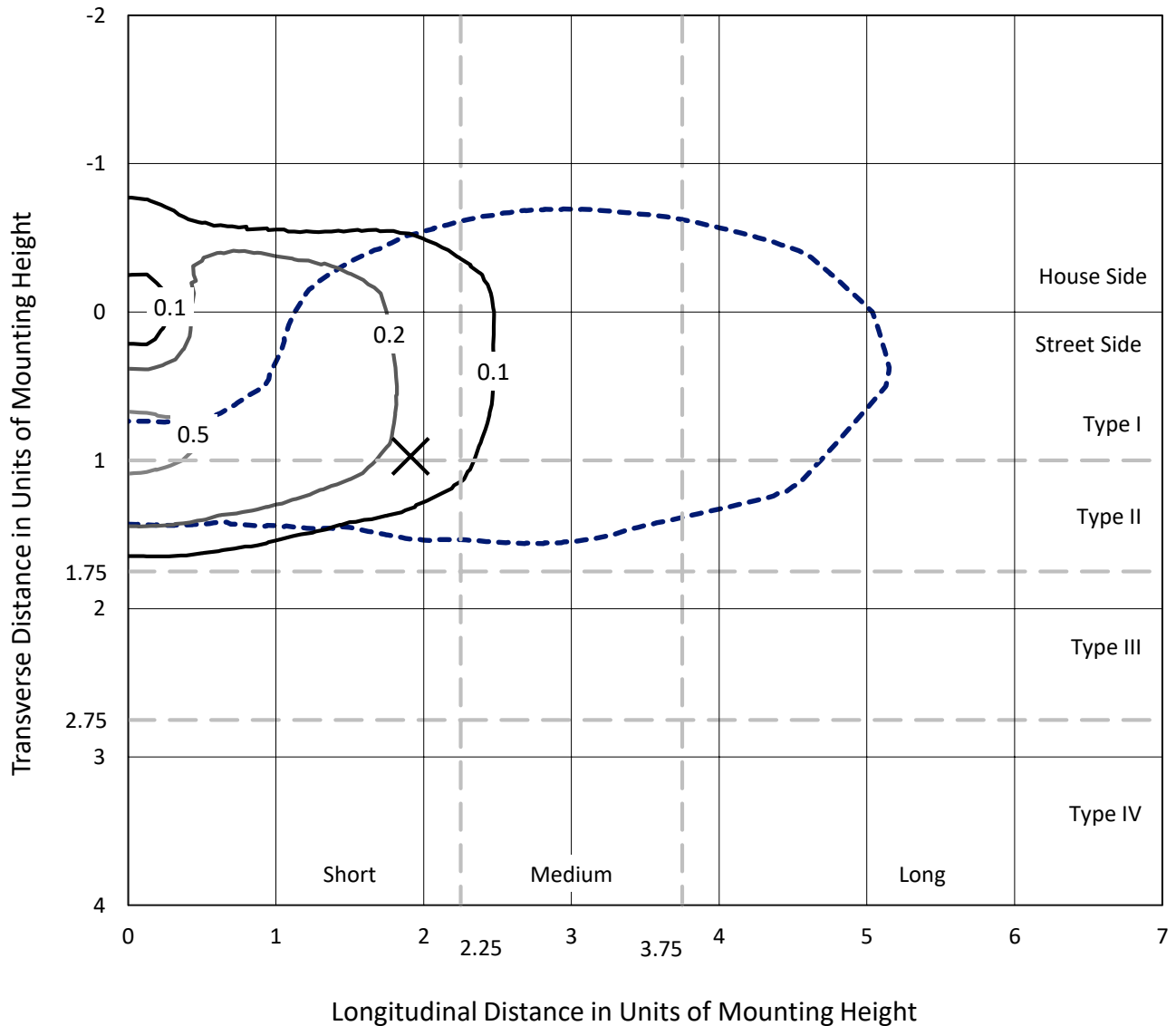


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

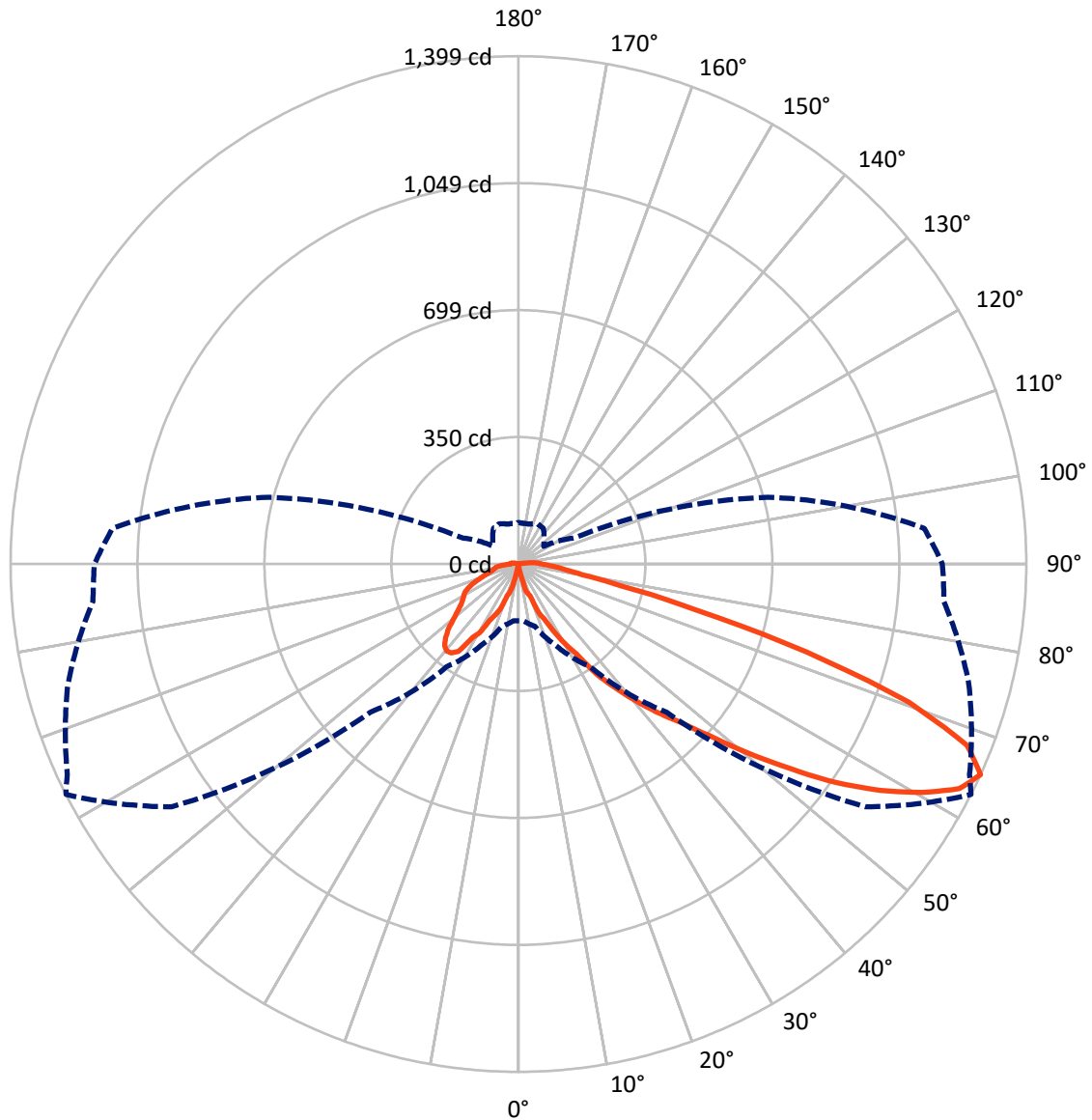


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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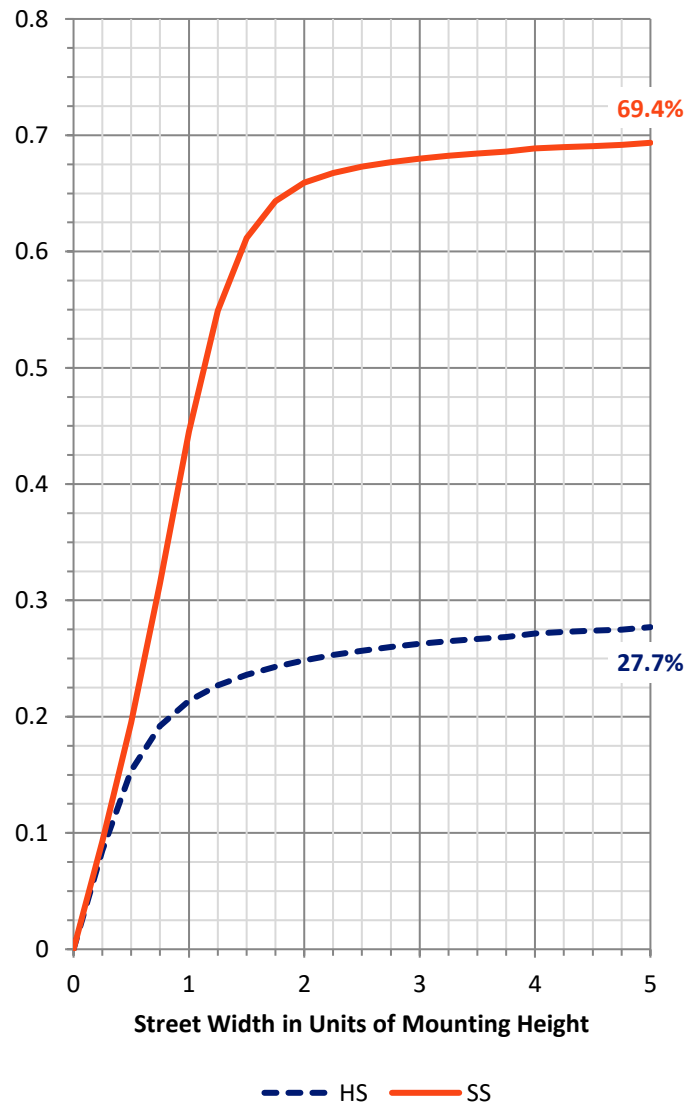
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	615.3	17.9	633.1
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	1512.2	16.6	1528.9
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	2127.5	34.5	2162.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	19.4	0.9
20°-30°	79.4	3.7
30°-40°	206.4	9.5
40°-50°	392.4	18.2
50°-60°	528.3	24.4
60°-70°	500.5	23.1
70°-80°	313.6	14.5
80°-90°	86.1	4.0
90°-100°	24.1	1.1
100°-110°	4.5	0.2
110°-120°	2.2	0.1
120°-130°	1.6	0.1
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2127.5	98.4
0°-180°	2162.0	100.0



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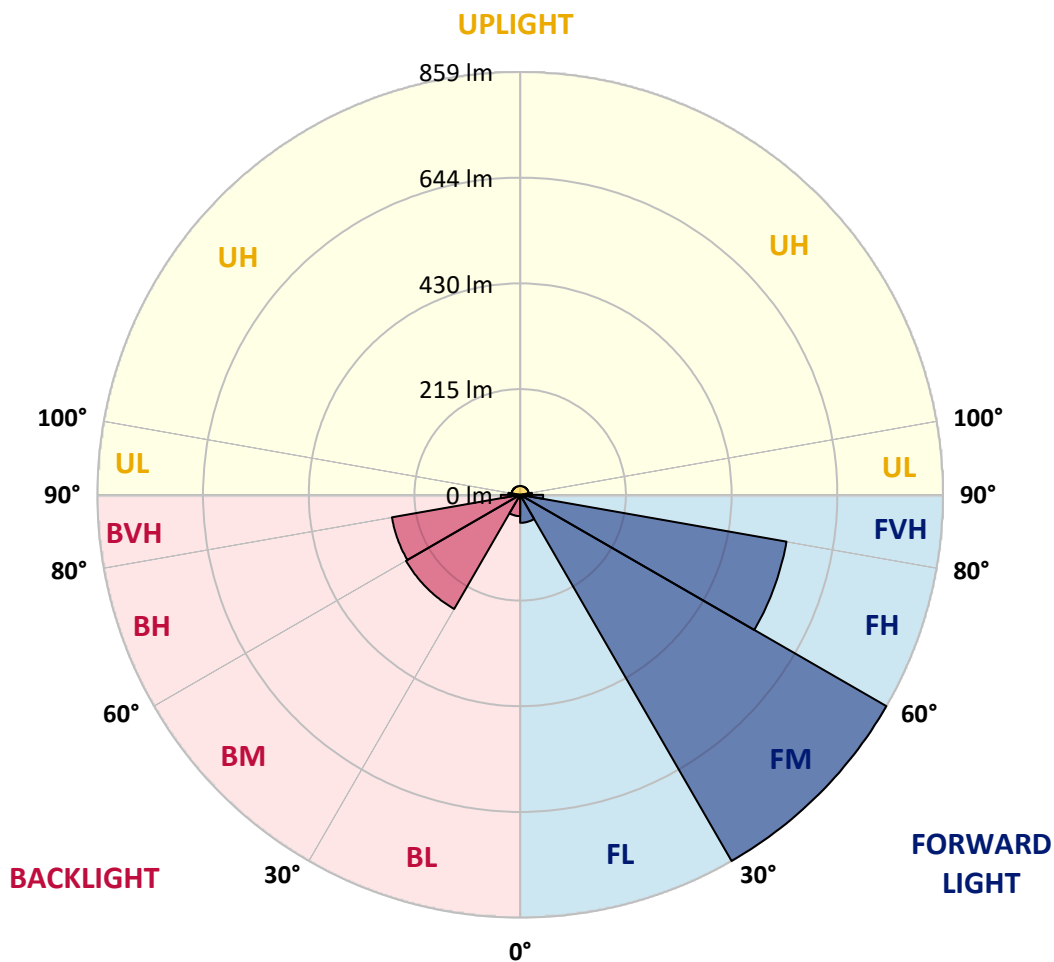
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2U-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.9	2.6			
FM	(30°-60°)	859.2	39.7			
FH	(60°-80°)	549.4	25.4			G0/660
FVH	(80°-90°)	46.7	2.2			G1/100
BL	(0°-30°)	43.3	2.0	B0/110		
BM	(30°-60°)	267.9	12.4	B1/1000		
BH	(60°-80°)	264.7	12.2	B1/500		G1/500
BVH	(80°-90°)	39.4	1.8			G1/100
UL	(90°-100°)	24.1	1.1		U2/50	
UH	(100°-180°)	17.9	0.8		U2/50	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.9	2.6	2.9	2.9	2.6	2.4	2.2	1.9	1.7	1.2	1.0
5°	33.8	34.0	33.5	32.8	11.7	5.3	3.1	2.4	2.2	1.4	1.2
7.5°	38.8	38.6	38.3	37.8	36.2	34.0	18.4	4.3	3.4	1.9	1.2
10°	42.6	42.1	40.9	40.7	39.0	37.8	35.0	22.5	18.9	3.4	2.4
12.5°	77.6	75.9	74.5	61.5	43.1	40.7	39.0	34.0	33.3	21.3	31.8
15°	81.2	81.4	80.5	79.0	75.7	50.8	63.2	76.6	76.4	66.1	65.1
17.5°	92.2	91.5	87.9	84.3	83.1	90.3	89.6	85.5	85.5	75.7	71.6
20°	142.5	141.3	139.1	115.9	103.2	116.6	109.4	95.3	95.8	116.9	126.9
22.5°	165.0	164.5	160.2	149.9	146.1	128.6	144.1	149.2	146.3	148.0	141.8
25°	225.8	223.4	204.5	186.3	188.4	173.6	173.4	170.2	168.6	161.1	172.4
27.5°	287.3	285.4	281.1	255.5	217.7	209.3	195.9	213.8	209.0	226.3	230.1
30°	380.7	363.2	326.8	309.6	297.2	257.2	253.3	258.8	257.4	252.6	248.3
32.5°	477.9	470.8	449.4	386.5	347.0	324.0	312.7	295.7	287.8	339.3	342.9
35°	579.5	572.8	520.6	483.9	416.2	378.8	372.6	375.0	364.4	389.6	383.6
37.5°	758.1	754.7	702.3	588.6	517.7	444.7	436.0	433.2	416.6	434.8	435.1
40°	872.8	867.3	809.3	725.5	611.3	550.5	508.6	492.1	487.8	488.7	489.0
42.5°	958.0	949.2	915.4	838.3	719.1	647.7	588.6	556.7	565.3	548.6	547.6
45°	1013.3	1008.6	977.9	913.5	830.9	795.5	690.8	619.0	648.0	618.0	616.6
47.5°	1025.8	1023.6	1002.3	970.0	935.5	920.7	814.1	704.2	730.8	717.6	690.8
50°	971.7	973.6	965.7	977.4	1015.0	1032.0	944.1	817.2	831.8	800.5	766.2
52.5°	853.4	853.2	881.9	933.9	1044.2	1112.2	1064.6	934.8	934.1	877.3	838.6
55°	685.1	698.0	746.6	827.3	1004.3	1149.1	1178.8	1064.1	1044.0	967.1	903.0
57.5°	522.0	538.8	598.4	671.7	890.5	1123.0	1261.9	1176.4	1155.6	1048.1	971.2
60°	353.2	359.7	434.8	519.6	708.3	1022.7	1300.9	1277.7	1254.7	1130.7	1040.2
62.5°	235.4	241.1	284.2	387.4	507.9	831.1	1275.8	1363.2	1332.8	1228.4	1112.2
65°	156.6	156.6	177.9	249.3	345.5	577.1	1165.6	1398.9	1371.3	1284.9	1176.2
67.5°	115.4	117.3	124.3	160.7	235.4	345.3	927.1	1333.0	1335.9	1291.4	1196.5
70°	104.6	105.8	111.8	121.2	168.1	205.4	612.8	1141.9	1191.5	1242.5	1170.4
72.5°	91.5	91.9	101.5	111.6	132.4	157.6	356.3	829.9	934.1	1136.2	1098.6
75°	76.6	77.3	85.0	100.1	114.5	132.2	189.6	505.2	608.9	975.5	1003.5
77.5°	62.3	63.9	70.2	81.9	105.1	110.9	145.6	288.8	352.7	726.5	848.4
80°	47.9	49.6	55.1	64.4	86.0	97.9	120.9	177.7	213.8	451.6	592.9
82.5°	32.8	34.0	39.5	46.5	61.5	81.7	100.1	131.0	141.5	247.1	327.1
85°	23.2	23.9	27.5	30.6	38.3	53.6	83.6	103.9	106.8	131.0	133.1
87.5°	13.2	12.9	13.4	15.6	17.5	20.8	49.3	76.1	79.7	91.2	84.8
90°	9.1	8.9	7.4	7.2	8.1	8.9	28.0	60.6	63.7	73.5	75.4
92.5°	9.6	9.1	7.2	6.7	7.7	8.1	18.7	52.9	59.6	73.5	77.6
95°	9.1	8.6	6.5	5.7	6.9	7.2	11.5	36.4	46.9	68.7	75.9
97.5°	7.9	7.4	5.3	4.8	5.7	5.7	6.5	16.8	23.0	32.1	36.2
100°	6.5	6.0	4.3	3.8	4.1	4.3	4.1	8.4	8.4	8.9	6.9
102.5°	5.7	5.5	3.6	3.1	2.9	2.9	2.6	4.1	4.3	4.8	6.0
105°	5.0	4.8	3.1	2.6	2.2	2.2	1.9	2.6	2.9	4.1	5.7
107.5°	3.6	3.6	2.6	2.2	1.9	1.9	1.4	2.2	2.4	3.6	6.0
110°	2.4	2.4	1.9	1.9	1.7	1.9	1.4	2.2	2.2	2.9	4.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	1.9	1.9	1.7	1.4	1.2	1.4	1.7	1.9	1.9	2.2	2.9
115°	1.9	1.7	1.4	1.2	1.0	1.2	1.2	1.7	1.7	2.2	2.9
117.5°	1.9	1.9	1.4	1.2	1.0	1.0	1.2	1.4	1.4	2.2	3.1
120°	1.9	1.9	1.4	1.2	1.0	0.7	1.0	1.4	1.4	1.9	2.9
122.5°	1.9	1.9	1.4	1.2	1.0	0.7	1.0	1.2	1.2	1.7	2.9
125°	2.2	2.2	1.7	1.2	1.0	0.7	1.0	1.0	1.0	1.7	2.6
127.5°	2.2	2.2	1.7	1.2	1.0	0.7	1.0	1.0	1.0	1.4	2.2
130°	2.2	2.2	1.7	1.2	1.0	0.7	1.0	0.7	0.7	1.2	1.9
132.5°	2.2	1.9	1.7	1.4	1.2	1.0	1.0	0.7	0.7	0.7	1.4
135°	1.9	1.9	1.7	1.4	1.2	1.0	1.0	0.7	0.7	0.7	1.0
137.5°	1.9	1.9	1.9	1.7	1.4	1.2	1.0	0.7	0.7	0.7	0.7
140°	2.2	2.2	2.2	1.9	1.4	1.2	1.0	0.7	0.7	0.7	0.7
142.5°	2.4	2.4	2.4	2.2	1.4	1.2	1.2	0.7	0.7	0.7	0.7
145°	2.6	2.6	2.6	2.2	1.4	1.2	1.2	1.0	1.0	0.7	1.0
147.5°	2.9	2.9	2.6	2.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.6	2.4	2.4	1.7	1.0	0.5	0.7	0.7	0.7	1.0	1.0
152.5°	1.9	1.9	1.7	1.2	0.7	0.2	0.5	0.5	0.7	0.7	0.7
155°	1.2	1.2	1.0	0.7	0.5	0.2	0.2	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.0	1.0	1.2	1.4	1.4	1.7	1.7	1.7	1.7	1.7	1.7
5°	1.0	1.0	1.2	1.4	1.7	1.9	2.2	2.2	2.2	2.4	2.4
7.5°	1.2	1.2	1.2	1.7	1.9	2.6	7.2	21.6	33.3	34.2	34.7
10°	2.4	2.4	2.4	2.4	5.3	30.6	38.1	39.7	40.7	41.4	41.4
12.5°	32.1	31.8	11.5	5.7	26.3	39.7	42.1	43.3	44.3	45.0	45.3
15°	65.1	65.4	65.4	66.1	47.9	43.3	45.7	67.5	80.0	82.4	83.3
17.5°	71.4	71.4	71.1	79.3	89.1	70.4	78.5	85.7	88.1	89.3	89.8
20°	130.3	130.0	104.9	91.0	94.1	116.9	87.9	91.2	93.1	111.1	111.6
22.5°	143.7	143.0	139.8	140.6	110.9	126.4	120.4	116.9	128.1	127.6	128.1
25°	176.5	159.2	152.5	151.1	160.7	131.5	139.6	120.9	123.8	123.3	123.8
27.5°	231.1	224.8	209.3	177.0	171.2	162.3	139.8	126.9	142.7	146.3	146.8
30°	247.8	239.9	223.4	224.8	190.8	165.2	136.2	140.6	135.0	134.6	133.6
32.5°	339.8	329.5	304.6	245.2	212.6	155.2	137.0	127.9	130.7	140.3	140.8
35°	378.6	366.8	349.4	313.0	206.2	152.3	125.2	124.8	126.7	126.9	126.4
37.5°	422.6	407.3	390.8	329.7	215.3	137.9	116.9	117.1	121.4	129.8	128.8
40°	473.9	456.9	430.1	339.5	193.2	129.3	111.3	114.9	119.5	117.6	115.9
42.5°	531.6	503.8	461.7	337.6	168.1	119.2	109.9	112.3	111.6	108.0	107.0
45°	591.2	561.7	492.5	321.6	145.3	112.8	107.3	108.0	105.1	100.6	99.6
47.5°	659.9	621.1	510.0	298.1	127.1	112.3	106.6	104.2	98.7	94.6	94.3
50°	729.1	686.7	537.3	266.7	113.5	110.4	108.2	103.2	96.5	92.4	91.9
52.5°	796.9	759.8	566.8	240.4	103.2	108.2	108.9	103.7	96.5	90.5	90.3
55°	864.9	832.3	598.6	219.6	96.3	108.0	111.6	105.1	97.9	89.1	88.8
57.5°	933.1	901.5	629.3	205.7	93.1	104.9	113.3	109.7	101.8	94.3	94.8
60°	1014.1	976.7	665.4	195.9	91.9	103.2	114.7	114.9	104.2	95.8	97.0
62.5°	1093.6	1055.7	696.1	186.8	88.8	101.5	115.4	119.0	109.4	102.2	103.4
65°	1167.6	1122.5	710.2	169.3	85.0	99.6	119.7	122.6	113.5	112.8	114.2
67.5°	1195.8	1153.9	696.3	147.5	82.6	99.6	124.3	127.6	117.8	121.6	125.5
70°	1168.5	1133.6	661.4	120.2	83.3	100.3	125.0	130.0	124.0	127.1	130.5
72.5°	1083.7	1039.2	576.4	96.7	83.3	99.4	121.9	126.2	121.6	131.9	135.3
75°	976.7	899.1	458.8	79.7	80.9	98.9	114.7	119.7	115.2	126.0	129.5
77.5°	806.7	707.3	317.3	70.4	77.6	94.6	107.3	108.2	103.7	110.1	111.8
80°	568.9	476.7	200.9	63.7	74.2	85.5	95.1	93.4	88.8	90.0	91.5
82.5°	317.3	252.1	117.1	58.7	69.7	71.1	77.8	78.3	72.3	72.6	72.8
85°	126.0	116.6	79.3	49.3	56.3	51.2	58.2	60.6	54.8	48.1	46.7
87.5°	83.6	79.3	55.3	33.8	34.5	29.0	37.8	39.3	32.3	28.0	27.8
90°	79.5	77.1	47.7	22.7	19.2	15.8	21.1	20.4	15.6	13.6	13.9
92.5°	81.9	80.5	48.4	21.8	18.7	15.1	18.7	16.0	11.7	10.3	10.5
95°	80.7	80.0	47.2	21.3	17.7	13.9	15.8	12.9	9.1	8.1	8.1
97.5°	38.3	40.5	29.2	19.2	15.8	11.7	12.2	9.8	6.5	6.0	5.7
100°	5.7	9.1	15.8	17.7	11.7	8.1	7.9	6.5	4.1	3.8	3.8
102.5°	6.0	6.5	9.8	12.2	6.5	4.3	4.3	3.8	3.1	3.6	3.6
105°	6.5	6.0	5.7	6.7	3.8	2.6	2.4	2.4	2.6	3.8	4.1
107.5°	6.9	6.5	4.5	3.6	2.9	2.4	1.9	1.7	2.4	4.1	4.3
110°	5.3	5.0	3.8	2.9	2.9	2.6	1.7	1.7	2.6	4.3	4.8



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.1	3.6	3.4	2.6	2.4	2.4	1.7	1.7	2.6	4.5	5.0
115°	3.4	3.4	2.9	2.2	1.9	1.9	1.7	1.4	2.6	4.8	5.0
117.5°	3.4	3.4	2.9	2.2	1.7	1.4	1.4	1.4	2.6	4.8	5.0
120°	3.4	3.4	2.9	1.9	1.7	1.4	1.4	1.4	2.6	4.5	5.0
122.5°	3.1	3.1	2.6	1.9	1.4	1.4	1.4	1.4	2.6	4.3	4.5
125°	2.9	2.9	2.4	1.7	1.4	1.2	1.4	1.4	2.4	3.8	4.1
127.5°	2.4	2.6	2.2	1.7	1.4	1.2	1.4	1.4	2.2	3.4	3.6
130°	2.2	2.2	1.9	1.4	1.2	1.2	1.4	1.4	2.2	3.1	3.4
132.5°	1.7	1.7	1.4	1.4	1.2	1.2	1.2	1.2	1.7	2.6	2.6
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.9	2.2
137.5°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7
140°	0.7	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4
142.5°	0.7	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.4	1.7	1.7
145°	1.0	1.0	1.2	1.2	1.2	1.0	1.2	1.2	1.4	1.7	1.7
147.5°	1.0	1.0	1.2	1.2	1.2	1.0	1.0	1.2	1.4	1.7	1.7
150°	1.0	1.0	1.2	1.2	1.0	0.7	1.0	1.0	1.2	1.7	1.7
152.5°	1.0	1.0	1.0	1.0	0.7	0.5	0.7	0.7	1.0	1.2	1.2
155°	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.7	0.7	1.0
157.5°	0.5	0.5	0.5	0.7	0.5	0.5	0.2	0.2	0.2	0.5	0.5
160°	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2
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)