

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: P254571

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-T3-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2266 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

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

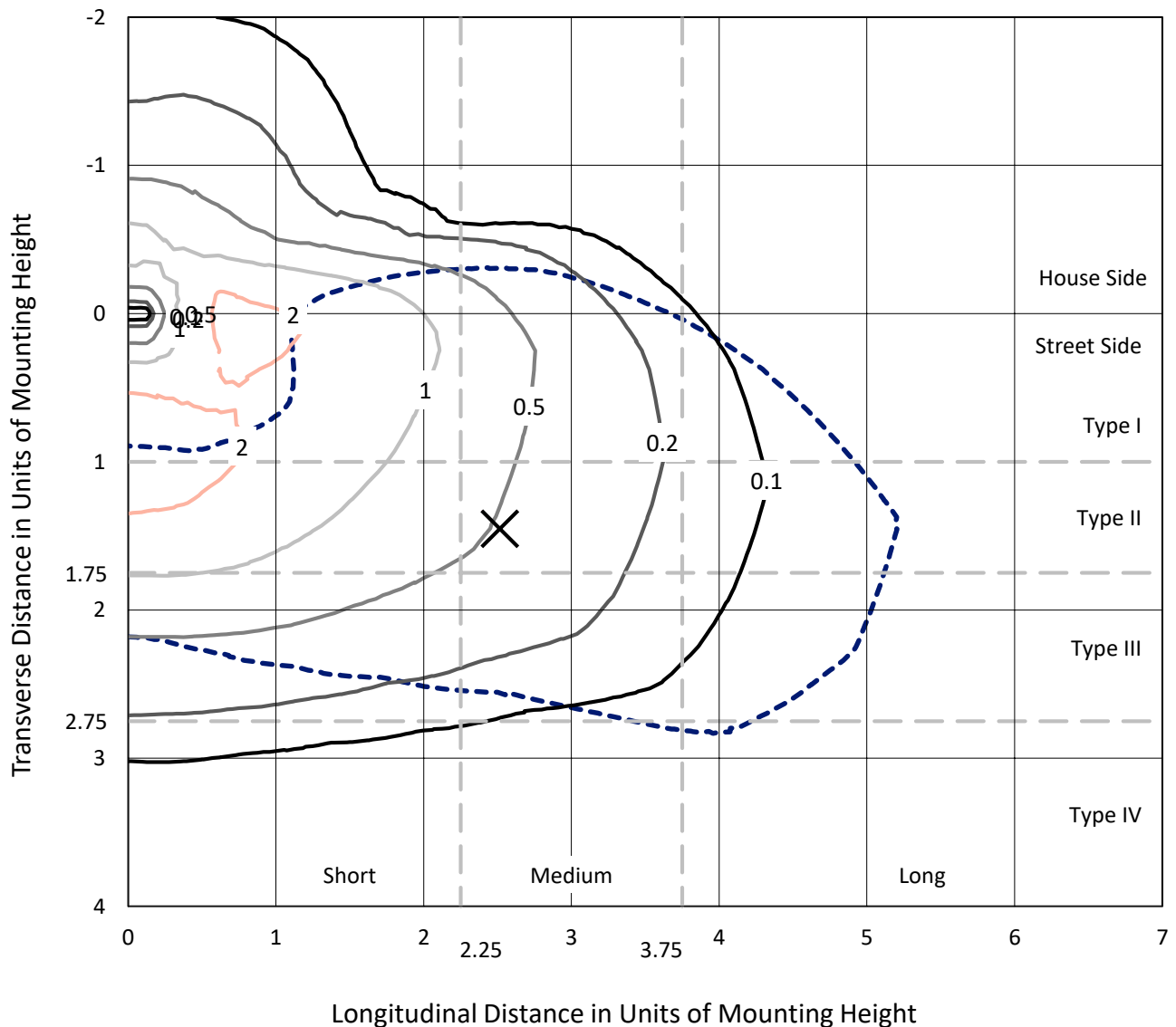


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

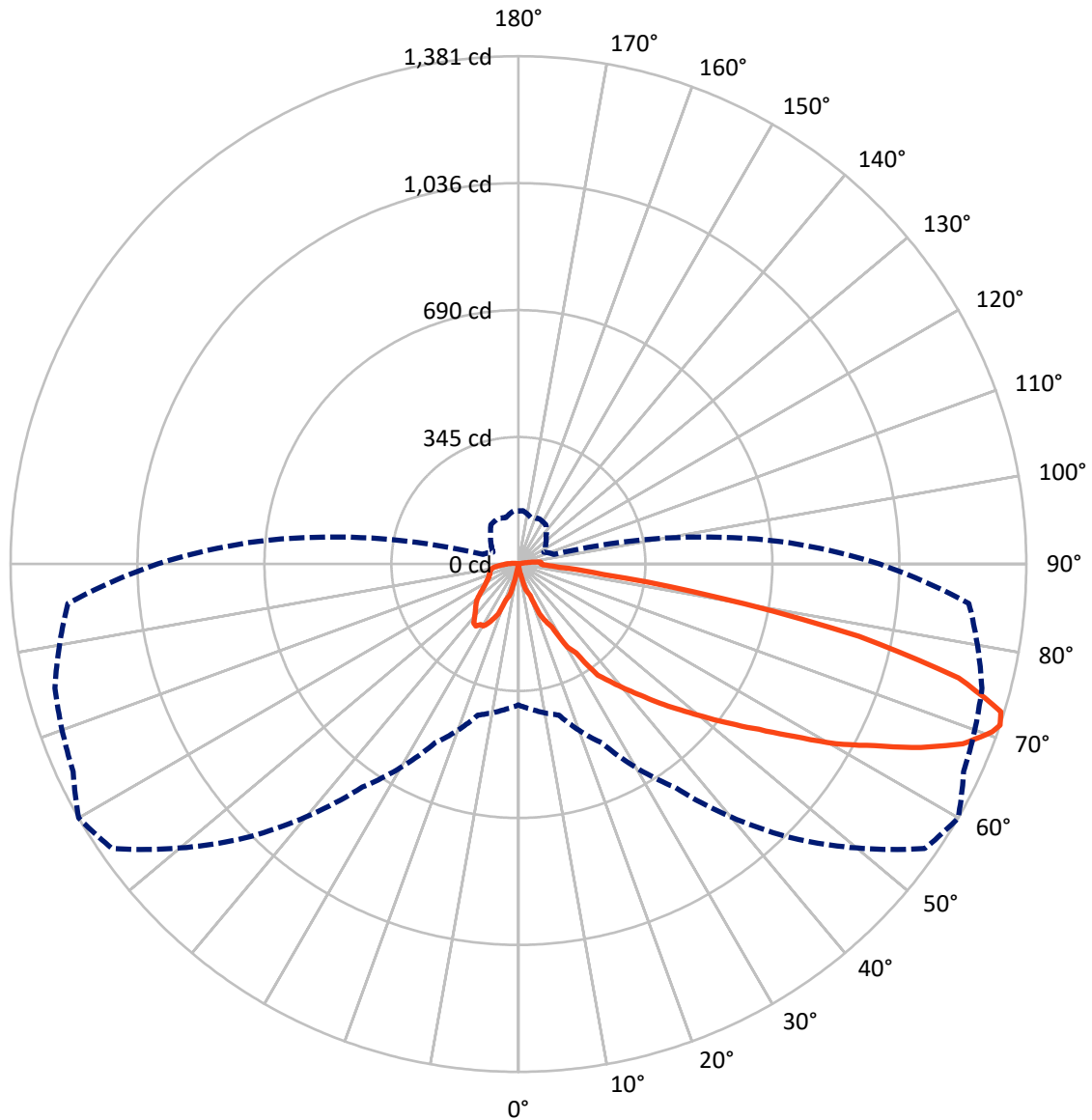


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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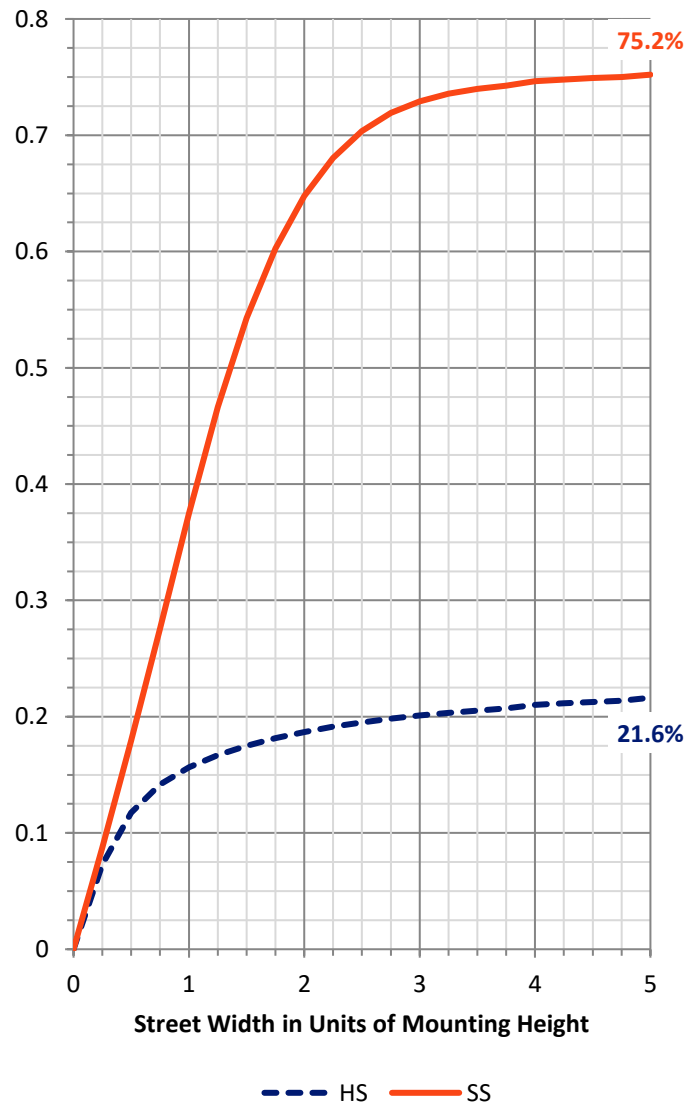
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	514.8	16.7	531.5
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	1718.3	16.2	1734.5
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	2233.0	32.9	2266.0
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	20.4	0.9
20°-30°	83.6	3.7
30°-40°	187.9	8.3
40°-50°	326.2	14.4
50°-60°	494.2	21.8
60°-70°	609.0	26.9
70°-80°	415.1	18.3
80°-90°	95.5	4.2
90°-100°	29.2	1.3
100°-110°	2.7	0.1
110°-120°	0.4	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2233.0	98.5
0°-180°	2266.0	100.0



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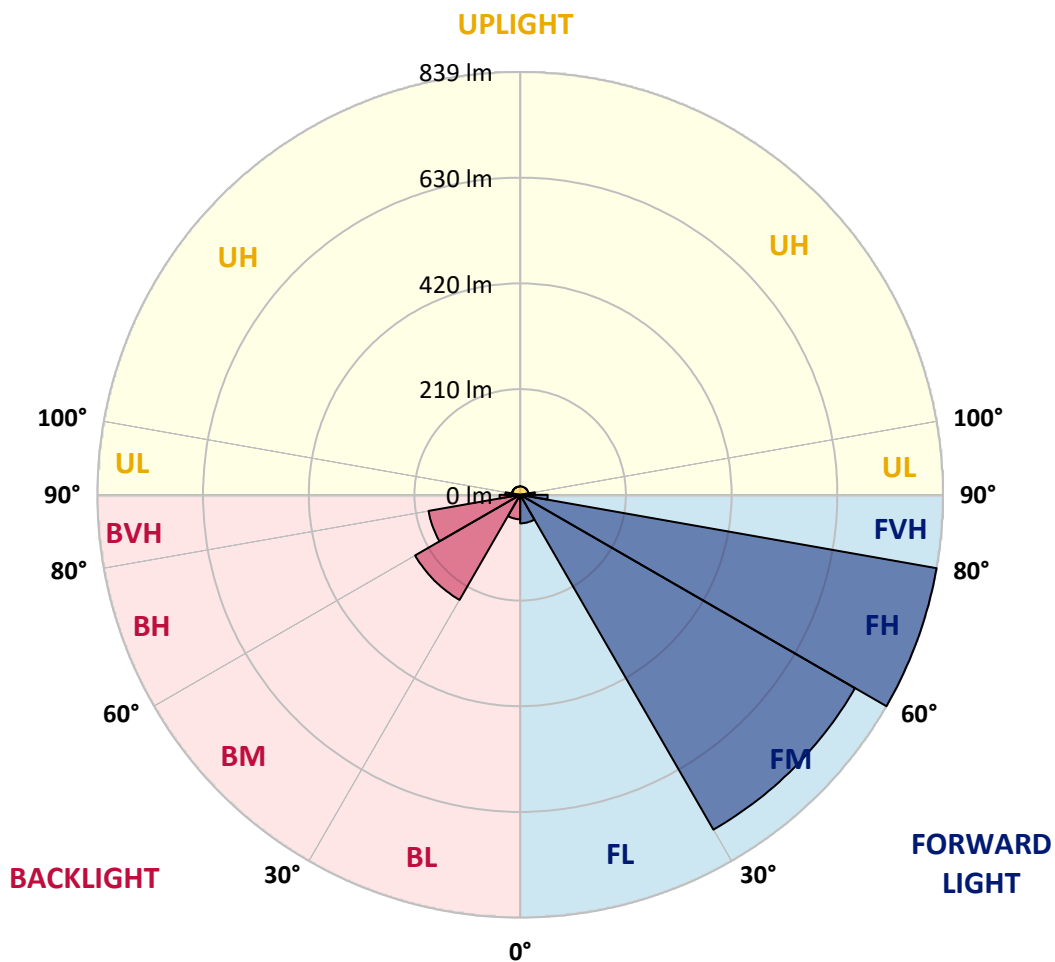
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-CL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.6	2.5			
FM	(30°-60°)	767.5	33.9			
FH	(60°-80°)	839.4	37.0			G1/1800
FVH	(80°-90°)	54.8	2.4			G1/100
BL	(0°-30°)	48.5	2.1	B0/110		
BM	(30°-60°)	240.7	10.6	B1/1000		
BH	(60°-80°)	184.8	8.2	B1/500		G1/500
BVH	(80°-90°)	40.8	1.8			G1/100
UL	(90°-100°)	29.2	1.3		U2/50	
UH	(100°-180°)	16.7	0.7		U2/50	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.3	1.6	1.1	1.3	1.3	1.1	0.8	0.8	1.1	1.1	0.8
5°	24.2	24.6	25.6	26.4	9.1	6.4	2.4	1.6	1.3	1.1	1.1
7.5°	30.7	30.1	29.6	28.1	28.9	27.0	16.1	6.7	3.2	1.3	1.1
10°	35.5	35.5	33.1	31.2	30.9	30.5	28.9	26.4	12.6	2.6	1.8
12.5°	64.9	63.1	60.1	49.3	37.5	33.9	33.1	33.9	27.8	27.6	36.8
15°	74.2	74.8	73.1	69.2	66.9	43.2	56.9	70.7	71.0	56.9	64.0
17.5°	96.3	95.8	87.5	79.9	77.7	82.7	83.0	79.5	79.9	71.0	75.5
20°	143.3	144.7	137.7	116.7	94.5	109.2	106.0	92.1	94.0	134.0	138.3
22.5°	168.2	170.9	162.6	153.7	152.4	121.2	136.9	146.3	142.0	158.0	159.1
25°	249.5	242.3	211.2	180.8	184.7	161.4	177.2	172.4	165.0	176.7	204.5
27.5°	271.7	273.5	265.6	250.1	212.0	220.4	201.0	193.0	222.4	248.0	255.4
30°	322.2	322.2	293.7	287.8	271.0	246.4	263.0	260.6	265.6	269.7	283.5
32.5°	391.3	386.8	374.0	329.6	311.3	281.9	303.2	288.6	297.4	352.2	375.3
35°	462.6	462.3	418.6	386.0	348.3	343.8	333.7	371.6	382.0	384.4	407.3
37.5°	553.4	554.2	530.5	434.9	396.2	375.3	402.0	404.4	416.8	437.8	445.0
40°	624.9	620.6	590.2	519.0	455.9	426.3	449.5	445.6	466.6	483.5	493.9
42.5°	714.3	711.8	669.8	587.3	538.6	491.4	497.9	487.4	502.7	544.5	548.8
45°	798.4	793.3	754.7	666.6	615.5	563.6	549.7	540.1	543.4	591.0	607.3
47.5°	854.7	848.8	834.2	747.7	707.7	639.6	611.0	591.8	596.1	649.2	676.2
50°	925.2	905.8	892.6	815.2	786.6	731.7	671.1	652.4	662.0	710.6	752.5
52.5°	962.9	936.5	936.7	881.4	854.5	815.5	738.0	719.9	732.8	779.2	840.1
55°	934.6	931.9	955.2	923.6	908.4	874.7	810.4	793.9	815.0	869.1	936.5
57.5°	894.3	898.2	946.0	960.9	960.9	934.0	890.8	883.8	906.6	961.5	1029.0
60°	848.1	857.9	919.1	962.0	993.8	992.2	977.6	992.0	998.6	1051.0	1142.0
62.5°	780.2	784.8	856.4	943.4	995.5	1046.3	1068.9	1087.2	1112.6	1155.6	1238.6
65°	702.5	708.2	779.8	893.2	986.6	1081.8	1158.2	1202.8	1210.6	1245.0	1308.3
67.5°	602.2	608.3	670.9	798.9	951.8	1110.7	1249.3	1303.8	1290.7	1285.9	1324.9
70°	466.6	466.3	510.4	628.1	825.1	1099.4	1329.5	1366.8	1332.9	1306.4	1278.9
71°	383.3	396.4	425.2	536.6	740.4	1054.0	1348.8	1380.9	1335.8	1304.8	1229.5
72.5°	244.3	259.5	284.1	382.9	591.0	936.0	1332.0	1371.5	1326.2	1285.3	1130.2
75°	96.3	99.9	118.0	177.2	320.5	630.2	1176.1	1236.2	1218.4	1181.5	906.0
77.5°	58.2	60.1	66.9	88.6	147.1	291.5	859.0	946.3	977.8	960.7	623.6
80°	43.8	45.7	51.8	62.5	98.3	121.2	453.8	543.8	621.4	620.6	349.9
82.5°	33.4	34.4	40.3	44.0	73.1	83.8	171.1	231.4	301.1	301.1	173.5
85°	30.9	30.9	32.9	29.6	48.6	60.1	101.7	111.3	117.7	124.9	101.2
87.5°	12.2	12.0	15.8	15.2	21.3	39.6	64.4	67.3	63.1	76.4	87.3
90°	8.3	8.5	6.7	6.7	11.8	36.3	58.8	61.6	57.9	68.9	89.7
92.5°	7.9	8.3	6.1	6.1	8.8	30.1	61.4	62.5	59.5	71.0	91.3
95°	7.2	7.4	5.0	5.0	7.0	18.5	57.2	58.8	51.1	57.4	73.1
97.5°	5.6	5.9	3.5	3.8	5.4	7.0	34.2	36.6	28.5	27.0	31.8
100°	3.8	4.1	2.1	2.6	3.2	3.2	13.1	14.1	12.8	7.0	4.1
102.5°	3.5	3.8	1.6	1.6	1.6	1.1	2.6	4.3	2.4	2.9	3.5
105°	3.2	3.8	1.1	0.8	0.5	0.5	0.8	1.1	1.3	1.8	3.8
107.5°	2.1	2.4	0.5	0.5	0.2	0.5	0.5	0.5	0.8	1.3	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.1	1.1	0.2	0.2	0.0	0.2	0.2	0.5	0.8	1.1	1.6
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.8	1.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.8	1.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.8	1.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.8	1.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.3
125°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.3
127.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1
130°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
140°	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
142.5°	0.5	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.5	0.5
145°	0.5	0.5	0.2	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5
147.5°	0.8	0.8	0.2	0.0	0.0	0.0	0.2	0.2	0.5	0.5	0.8
150°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.8	0.8	0.8	0.8	0.5	0.2	0.2	0.2	0.2	0.2	0.2
5°	0.8	0.8	0.8	0.8	0.8	0.5	1.1	1.6	1.8	2.1	2.1
7.5°	1.1	1.1	1.1	1.1	1.1	2.1	13.3	29.6	33.9	36.3	35.5
10°	1.8	1.8	1.6	1.8	6.7	33.1	40.3	43.2	43.8	45.7	47.2
12.5°	39.6	33.9	16.1	9.1	34.2	42.9	46.4	48.8	51.6	64.0	57.4
15°	65.4	66.7	65.4	72.1	80.7	48.6	57.7	88.1	95.6	97.7	97.1
17.5°	77.5	75.8	75.8	92.4	95.6	95.0	91.8	98.3	100.1	103.4	102.2
20°	144.1	144.7	135.9	107.3	101.9	127.9	102.8	102.4	122.3	140.4	141.0
22.5°	160.7	162.0	157.8	159.1	133.6	132.1	128.9	135.4	143.1	146.5	145.6
25°	218.1	203.1	175.9	163.9	161.8	135.1	152.2	139.7	140.7	142.6	143.9
27.5°	264.3	262.4	244.7	200.0	161.8	163.9	146.5	144.1	160.2	161.8	162.0
30°	286.2	281.4	261.5	210.4	177.5	157.0	142.8	154.0	151.7	153.2	153.2
32.5°	381.5	379.3	335.9	216.0	171.9	145.2	146.3	146.0	159.8	164.4	163.4
35°	407.1	403.0	338.7	245.3	163.2	146.5	137.7	148.1	148.1	150.0	149.4
37.5°	438.9	432.2	343.5	234.9	168.5	137.7	134.8	137.7	145.2	147.4	146.0
40°	482.6	467.4	339.6	217.5	157.3	136.3	129.7	135.1	134.5	131.8	130.6
42.5°	528.3	510.1	339.8	201.6	148.4	134.5	128.2	127.1	125.4	121.2	120.4
45°	587.5	551.8	343.8	190.3	141.0	133.6	126.5	121.8	119.3	115.0	114.2
47.5°	655.1	596.3	342.5	181.3	133.6	130.2	121.8	117.2	115.9	110.1	109.2
50°	723.2	639.6	343.5	169.1	124.9	126.8	120.4	113.9	111.6	104.9	104.7
52.5°	802.7	684.7	336.6	151.4	115.0	122.3	121.2	114.8	114.8	104.9	104.2
55°	881.4	740.0	330.7	132.6	108.3	118.5	122.8	120.4	119.8	106.2	105.4
57.5°	959.1	787.4	311.8	116.4	104.2	115.3	126.5	124.1	122.5	111.6	109.2
60°	1043.0	849.7	276.0	103.6	101.7	112.6	127.7	127.3	118.2	117.2	115.9
62.5°	1105.9	885.6	229.9	95.0	98.3	111.9	127.1	127.1	119.3	119.1	118.5
65°	1135.9	890.3	173.8	88.4	94.7	110.5	125.2	130.2	124.1	124.9	123.9
67.5°	1120.6	855.8	130.8	82.5	91.6	109.5	125.4	134.0	128.4	136.7	135.4
70°	1040.2	767.2	107.6	78.4	90.4	107.6	129.3	135.1	131.3	144.7	143.1
71°	981.8	710.0	100.4	76.1	90.4	106.5	130.0	135.4	130.8	145.6	144.1
72.5°	882.9	609.4	92.7	72.6	89.9	106.0	130.0	135.1	132.4	148.9	146.5
75°	665.2	418.3	83.0	70.7	89.4	104.4	127.3	132.6	130.2	142.8	142.2
77.5°	426.3	244.5	74.2	70.5	87.3	103.6	123.9	127.9	123.6	134.3	133.8
80°	234.7	140.4	65.9	65.9	83.0	101.7	118.5	119.3	115.0	123.4	119.8
82.5°	139.3	99.5	54.7	57.9	76.9	96.5	112.6	108.9	104.4	119.6	101.7
85°	94.0	77.5	37.5	44.6	69.2	83.8	100.4	94.5	86.8	87.3	83.2
87.5°	77.9	61.6	19.7	29.1	53.6	61.4	74.6	68.7	60.6	59.5	56.0
90°	77.5	60.1	15.8	26.1	42.9	47.5	57.7	52.0	47.5	49.3	46.8
92.5°	77.9	59.5	16.3	22.4	35.3	35.7	47.2	45.2	41.1	41.9	39.3
95°	62.5	46.8	15.8	17.9	20.0	18.9	29.1	29.1	25.1	23.7	22.2
97.5°	26.1	23.3	14.6	14.4	14.1	10.4	16.8	19.2	13.1	8.8	7.7
100°	4.1	6.7	12.2	13.6	9.9	6.1	10.7	12.2	7.0	1.3	1.1
102.5°	4.1	3.5	5.0	10.2	5.9	1.6	4.3	7.0	3.5	0.8	1.1
105°	4.3	3.5	2.1	5.4	1.3	0.5	0.2	1.8	0.5	0.8	0.8
107.5°	4.1	3.2	1.3	1.1	0.8	0.2	0.0	0.0	0.0	0.8	1.1



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-CL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.1	1.8	1.3	0.8	0.5	0.2	0.0	0.0	0.0	0.8	1.1
112.5°	1.3	1.6	1.1	0.8	0.2	0.2	0.0	0.0	0.0	1.1	1.3
115°	1.6	1.6	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.1	1.3
117.5°	1.6	1.6	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.1	1.3
120°	1.6	1.6	1.1	0.5	0.2	0.0	0.0	0.0	0.0	1.1	1.3
122.5°	1.6	1.6	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.8	1.1
125°	1.3	1.3	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.8	1.1
127.5°	1.3	1.3	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.8
130°	1.3	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5
132.5°	1.1	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)