

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: P266013

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-A-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)  
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-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1992.4 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G2

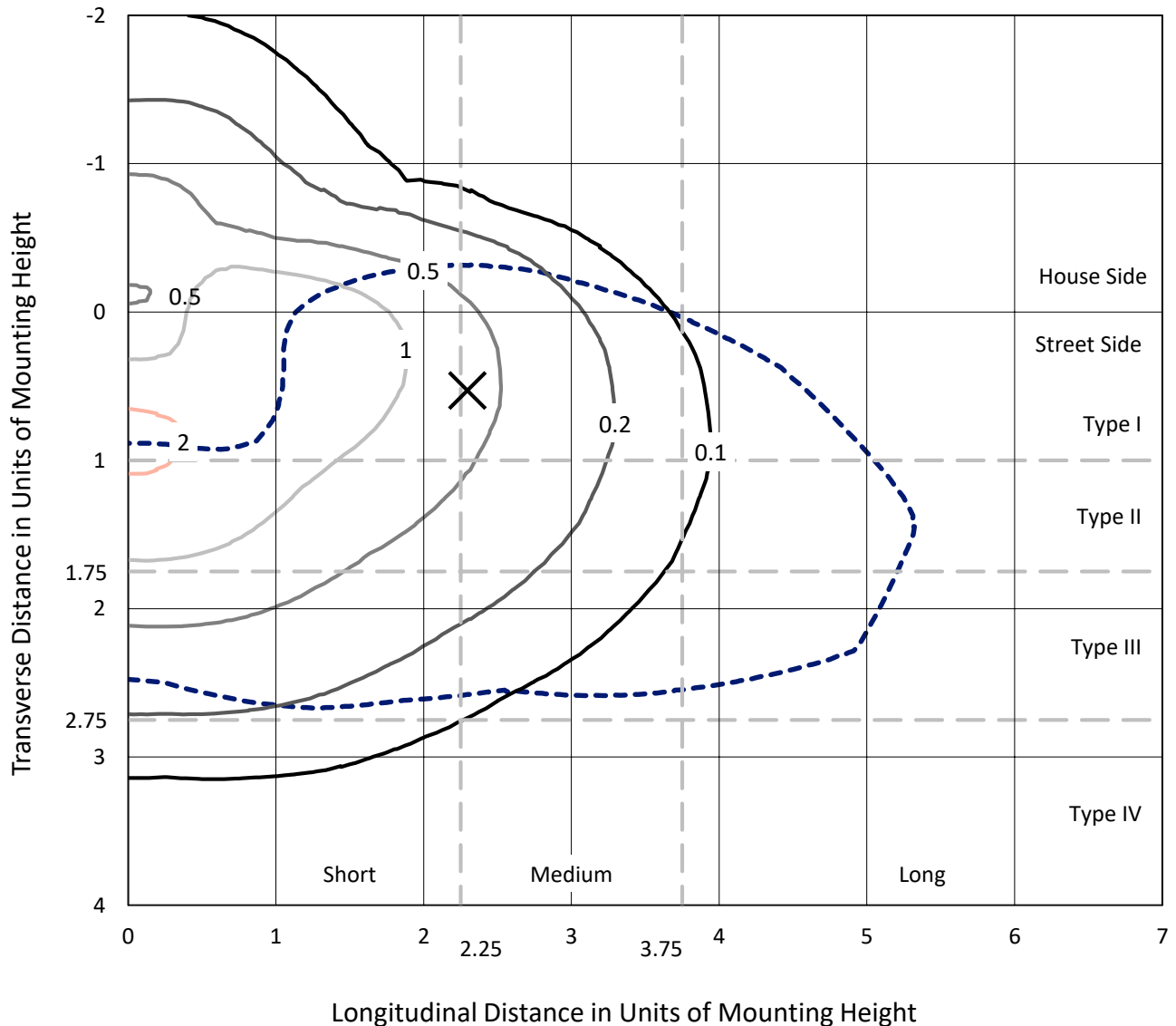
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

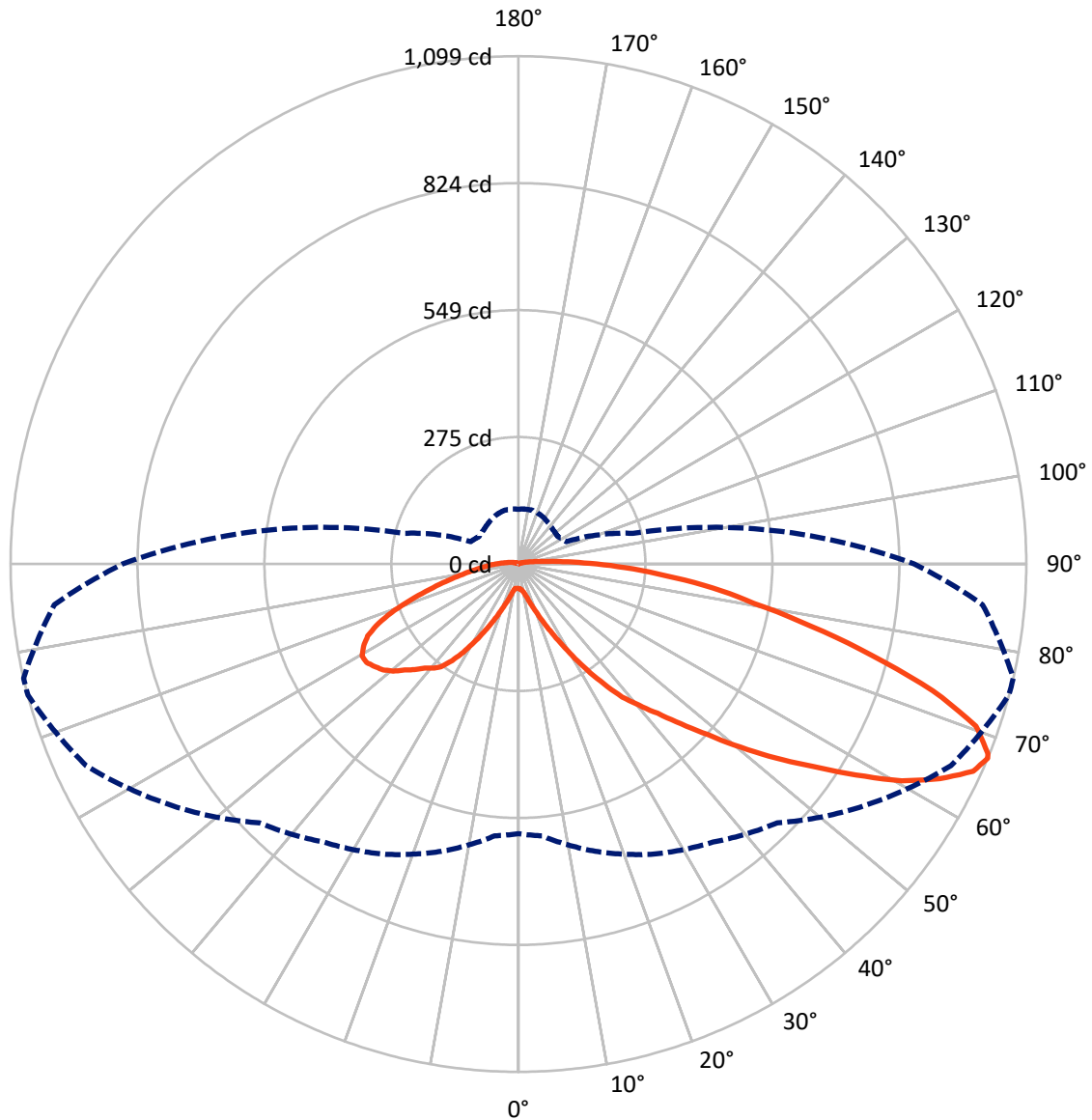
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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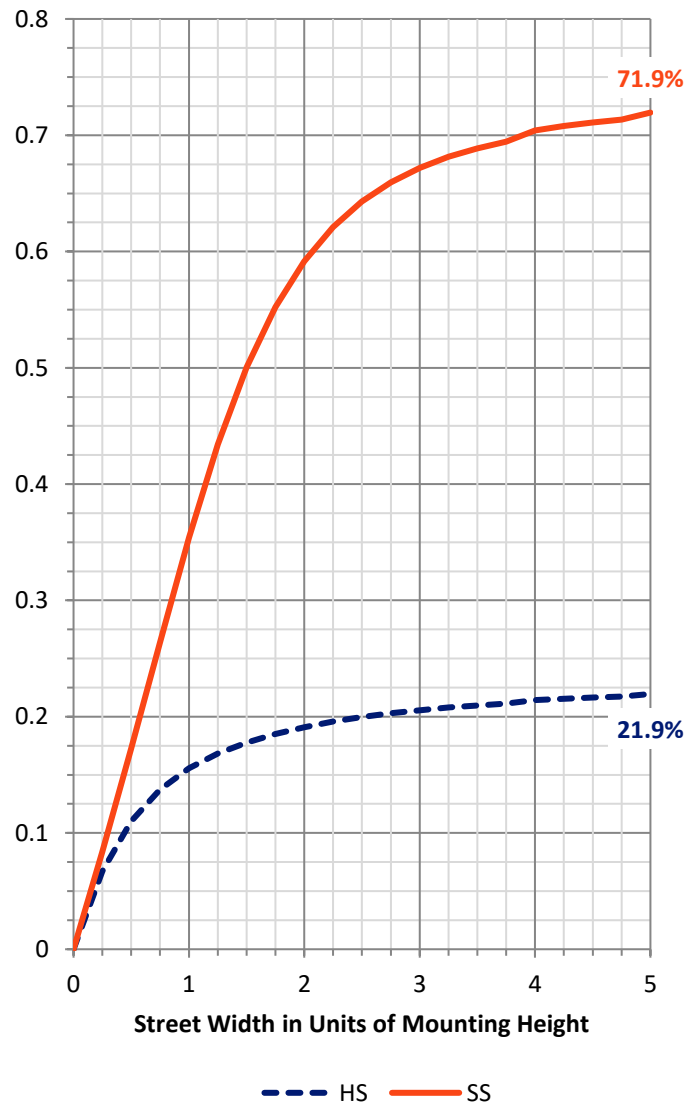
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	456.8	29.0	485.9
	% Fixture	22.9	1.5	24.4
<b>Street Side</b>	Lumens	1468.7	37.8	1506.5
	% Fixture	73.7	1.9	75.6
<b>Total</b>	Lumens	1925.5	66.9	1992.4
	% Fixture	96.6	3.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.3
10°-20°	22.4	1.1
20°-30°	65.4	3.3
30°-40°	152.0	7.6
40°-50°	266.7	13.4
50°-60°	409.8	20.6
60°-70°	506.8	25.4
70°-80°	353.8	17.8
80°-90°	143.2	7.2
90°-100°	42.3	2.1
100°-110°	13.7	0.7
110°-120°	5.8	0.3
120°-130°	3.0	0.2
130°-140°	1.5	0.1
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1925.5	96.6
0°-180°	1992.4	100.0



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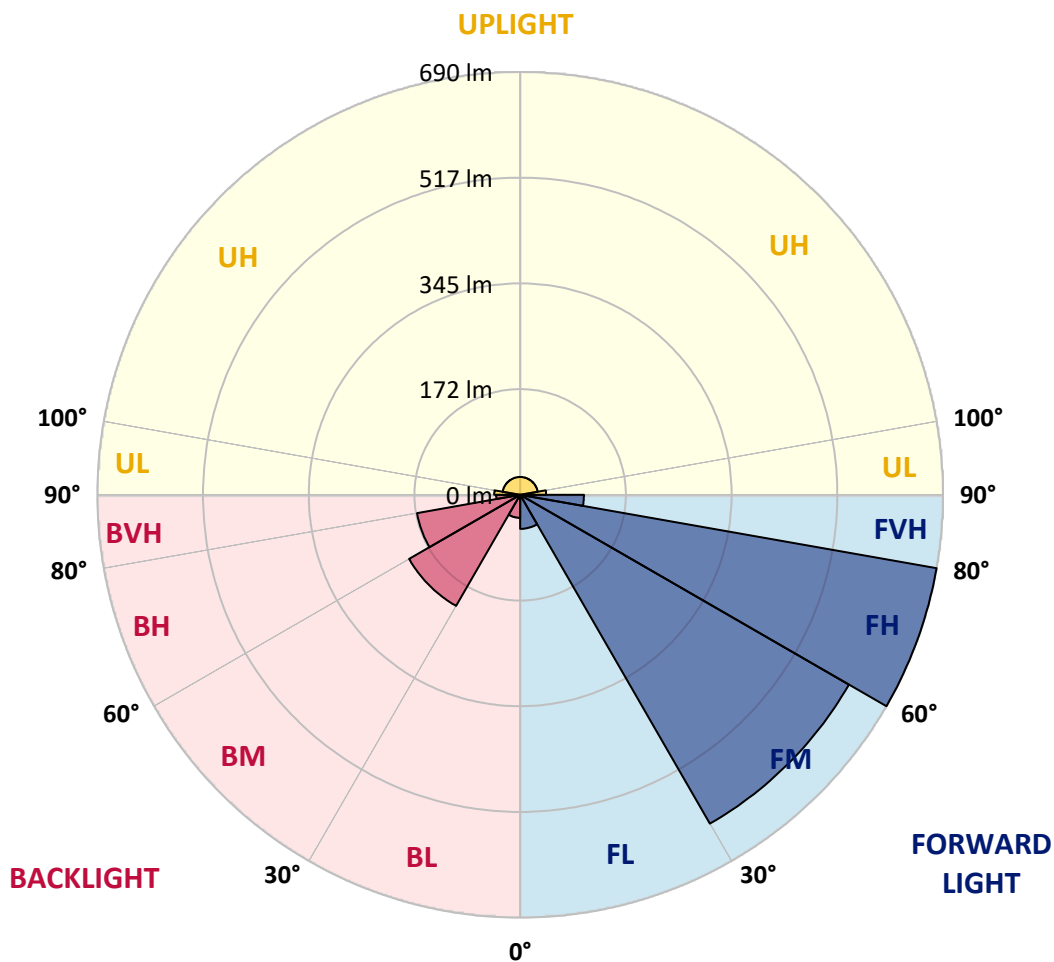
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-A-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.5	2.8			
FM	(30°-60°)	619.3	31.1			
FH	(60°-80°)	689.8	34.6			G1/1800
FVH	(80°-90°)	104.0	5.2			G2/225
BL	(0°-30°)	37.6	1.9	B0/110		
BM	(30°-60°)	209.2	10.5	B0/220		
BH	(60°-80°)	170.8	8.6	B1/500		G1/500
BVH	(80°-90°)	39.2	2.0			G1/100
UL	(90°-100°)	42.3	2.1		U2/50	
UH	(100°-180°)	29.0	1.5		U2/50	

**BUG Rating: B1-U2-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	56.4	56.7	56.7	56.7	56.4	55.9	55.2	54.6	54.0	53.7	53.2
5°	60.6	60.6	60.6	60.5	59.9	59.0	58.0	56.9	55.3	55.2	54.2
7.5°	65.4	65.8	65.4	64.9	63.8	62.8	61.4	59.6	58.0	57.5	56.4
10°	72.5	72.5	72.0	71.0	69.3	67.5	65.8	63.8	62.2	61.7	60.1
12.5°	83.0	83.0	82.0	79.4	76.7	74.1	72.3	70.7	69.8	69.1	68.1
15°	96.4	96.7	95.2	91.2	87.8	83.7	82.0	81.7	81.6	80.8	79.9
17.5°	112.6	112.6	110.3	104.8	100.5	96.7	95.0	95.0	95.0	95.0	94.5
20°	132.1	132.4	129.3	121.4	116.8	112.3	110.5	110.9	111.7	112.0	112.0
22.5°	157.2	158.0	153.3	142.4	136.9	130.3	129.0	130.3	132.9	133.6	134.7
25°	191.2	189.7	183.4	169.3	161.2	153.0	151.1	154.5	159.4	160.9	163.5
27.5°	226.9	227.1	218.3	201.0	187.2	177.4	176.4	183.3	190.4	192.3	196.6
30°	272.5	272.9	259.5	238.1	217.7	205.4	205.4	216.3	227.4	230.4	237.4
32.5°	327.2	326.7	306.7	281.1	252.8	237.4	238.0	254.0	269.9	273.4	279.9
35°	390.8	390.0	363.5	329.8	292.0	272.1	274.3	294.7	315.1	318.4	328.8
37.5°	455.7	456.3	427.1	384.2	335.5	309.3	313.5	337.8	362.6	365.0	373.2
40°	514.4	518.1	488.5	440.6	382.5	348.5	353.3	376.5	401.1	401.9	405.0
42.5°	570.9	571.3	546.6	495.4	431.1	391.7	392.1	414.4	437.7	441.7	443.3
45°	606.7	611.7	592.0	545.9	480.4	435.8	431.6	454.1	488.3	493.1	493.1
47.5°	647.8	653.1	630.3	591.2	527.8	480.1	476.8	505.3	546.3	551.4	549.5
50°	693.9	700.3	683.8	641.3	575.2	527.3	533.1	566.6	616.1	623.3	621.2
52.5°	728.9	735.8	725.7	695.7	628.2	582.6	588.7	635.3	690.3	697.4	689.3
55°	741.8	751.4	754.4	739.1	682.8	641.1	660.3	710.6	764.5	772.3	763.6
57.5°	741.3	751.2	763.1	761.0	728.5	701.2	729.3	788.1	853.3	860.9	852.1
60°	736.0	747.6	769.6	772.5	754.2	754.2	799.6	880.3	945.6	952.7	927.2
62.5°	690.3	704.6	745.0	773.9	768.4	788.4	863.9	957.0	1019.9	1023.3	975.6
65°	632.9	646.3	690.6	737.7	763.9	800.3	905.9	1011.3	1077.2	1081.1	1012.6
67°	583.3	590.5	643.5	692.7	734.4	792.1	912.3	1032.2	1098.2	1098.8	1008.0
67.5°	565.6	572.9	626.8	679.5	724.0	786.3	908.9	1034.2	1097.0	1095.6	999.4
70°	472.5	476.8	533.1	600.7	650.9	724.3	867.3	996.9	1054.8	1050.5	940.3
72.5°	349.3	352.8	411.3	493.6	552.7	633.7	776.9	917.8	950.0	938.2	809.6
75°	242.1	244.9	290.4	360.7	438.5	523.8	664.0	781.2	804.9	790.1	671.0
77.5°	160.0	162.1	197.5	253.1	324.5	418.7	540.3	645.4	664.6	647.6	539.0
80°	101.5	103.1	129.5	173.2	238.0	328.6	433.8	525.0	533.1	517.1	421.1
82.5°	64.3	65.9	83.7	117.3	170.8	250.2	341.3	423.0	434.2	424.4	329.3
85°	41.2	43.7	56.4	80.4	121.1	183.4	266.0	336.4	335.2	319.4	241.7
87.5°	29.3	31.3	40.8	57.3	85.3	130.0	194.6	244.2	241.3	230.8	168.2
90°	21.7	23.3	30.3	41.7	61.4	91.2	134.7	169.2	160.6	154.1	111.0
92.5°	16.1	17.2	22.5	30.5	43.8	63.8	89.0	109.4	100.7	96.2	70.2
95°	11.8	12.4	16.6	22.3	31.9	44.3	58.3	68.8	61.9	58.7	44.3
97.5°	9.2	9.6	12.8	17.2	23.7	31.9	39.3	43.2	39.3	37.4	30.7
100°	7.6	7.9	10.6	13.7	18.8	24.3	28.0	29.6	27.0	26.0	22.3
102.5°	6.5	6.6	8.7	11.3	15.1	19.1	21.1	21.6	19.5	18.8	16.8
105°	5.5	5.7	7.5	9.6	12.8	15.6	16.6	16.1	14.2	13.7	12.8
107.5°	4.9	5.0	6.3	8.2	10.6	12.9	13.1	12.2	10.6	10.2	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	4.3	4.3	5.5	6.9	9.2	10.8	10.8	9.3	7.9	7.6	7.6
112.5°	3.9	3.9	4.9	6.0	7.9	9.2	8.9	7.5	6.0	5.7	6.0
115°	3.4	3.4	4.1	5.5	6.9	7.9	7.5	6.0	4.5	4.5	5.0
117.5°	3.1	3.1	3.9	5.0	6.3	6.9	6.3	4.9	3.9	3.9	4.1
120°	2.9	2.9	3.7	4.5	5.7	6.3	5.5	4.1	3.1	3.1	3.7
122.5°	2.9	2.9	3.4	4.3	5.3	5.5	4.9	3.7	2.6	2.9	3.1
125°	2.9	3.1	3.4	4.1	4.9	4.9	4.1	3.1	2.3	2.3	2.9
127.5°	3.1	3.1	3.4	3.9	4.3	4.3	3.7	2.6	2.3	2.3	2.6
130°	3.4	3.4	3.4	3.7	3.9	3.7	3.1	2.3	2.2	2.2	2.3
132.5°	3.4	3.4	3.4	3.4	3.4	3.1	2.6	2.2	1.9	2.2	2.3
135°	3.1	3.1	3.1	3.1	2.9	2.6	2.2	1.6	1.6	1.6	1.9
137.5°	2.9	2.6	2.6	2.6	2.3	2.2	1.6	1.2	1.4	1.4	1.6
140°	2.3	2.3	2.3	2.2	1.9	1.6	1.2	1.0	1.2	1.2	1.4
142.5°	1.9	1.9	1.9	1.6	1.4	1.2	0.7	0.7	1.0	1.2	1.2
145°	1.4	1.4	1.4	1.2	1.0	0.7	0.4	0.7	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	0.4	0.2	0.4	0.4	0.7	0.7	1.0
150°	0.4	0.4	0.7	0.4	0.2	0.2	0.2	0.4	0.4	0.7	0.7
152.5°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.4
155°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2.5°	53.0	52.8	52.3	51.6	51.1	50.8	50.8	50.3	50.3	50.3	50.1
5°	54.0	53.2	52.3	51.4	50.3	49.6	49.3	48.9	48.5	48.5	48.1
7.5°	55.3	54.6	53.0	51.6	50.1	49.1	48.7	48.1	47.7	47.5	47.3
10°	59.3	58.3	55.7	53.2	51.4	49.9	49.1	48.7	48.1	48.1	48.0
12.5°	67.2	65.4	62.2	58.0	54.0	51.8	51.1	52.8	53.4	54.2	54.2
15°	79.0	77.3	72.3	66.1	60.1	56.1	57.3	59.6	61.7	62.8	62.8
17.5°	93.3	90.6	84.4	75.7	67.9	64.9	64.5	67.2	70.1	71.8	71.8
20°	110.3	107.2	98.5	86.9	78.0	73.7	72.7	75.1	78.4	81.0	81.0
22.5°	132.4	128.7	116.2	99.5	88.0	82.0	80.8	83.3	88.0	91.5	91.4
25°	161.2	155.3	137.9	114.9	98.1	89.7	88.8	92.5	99.1	104.1	104.8
27.5°	194.6	186.4	160.2	131.4	107.9	96.4	96.7	102.0	109.9	115.3	115.3
30°	232.1	223.5	187.0	147.7	116.3	102.1	103.1	110.1	117.9	123.4	123.4
32.5°	275.8	263.2	215.4	163.9	123.7	106.4	107.4	115.8	123.7	129.7	130.0
35°	319.9	302.6	241.0	177.0	130.0	110.1	110.5	120.5	129.0	135.7	136.5
37.5°	360.2	337.9	263.8	186.0	132.9	111.7	112.5	123.7	133.8	140.0	140.0
40°	389.0	360.9	274.8	188.3	133.6	112.3	114.4	125.9	133.6	136.5	135.3
42.5°	421.7	387.1	281.8	184.7	131.0	112.0	115.3	124.4	128.5	128.7	127.6
45°	467.2	422.4	294.6	181.5	126.1	111.5	114.2	120.9	122.1	120.0	118.4
47.5°	519.9	460.7	305.1	177.8	123.1	110.3	112.5	116.6	115.6	111.7	110.5
50°	579.4	509.3	318.3	173.0	120.6	108.9	110.9	113.5	112.3	108.2	107.2
52.5°	637.6	552.1	326.7	167.9	118.4	108.2	109.7	112.6	111.3	106.4	105.0
55°	698.8	595.4	328.6	159.3	116.8	108.2	109.9	113.1	111.5	106.4	105.0
57.5°	770.8	642.3	328.6	149.2	114.2	108.7	110.5	113.9	112.5	107.4	106.2
60°	829.3	675.5	321.7	140.2	111.0	108.7	110.9	114.4	114.2	110.5	109.9
62.5°	861.7	687.8	302.6	130.4	108.3	107.9	111.0	115.6	117.3	114.7	113.9
65°	879.0	683.8	280.6	120.6	106.0	106.4	111.0	116.3	118.9	117.5	116.6
67°	856.4	655.0	256.3	113.9	103.7	105.3	110.5	116.3	120.0	119.5	118.4
67.5°	845.1	643.5	249.4	112.6	102.9	105.0	110.3	116.3	120.0	120.0	118.9
70°	774.9	578.7	213.2	103.8	98.4	101.5	107.6	115.2	119.1	119.5	118.9
72.5°	655.0	475.8	176.1	95.5	92.5	96.2	103.8	111.5	115.3	114.9	114.4
75°	533.7	383.8	143.4	87.2	85.9	89.9	96.8	104.1	106.7	105.6	105.0
77.5°	422.7	299.3	117.5	79.4	79.1	82.7	88.3	93.6	95.0	92.9	92.5
80°	324.7	228.8	96.2	72.9	72.3	74.7	78.6	82.3	83.3	81.0	80.6
82.5°	248.7	173.5	79.9	65.8	65.4	67.0	69.6	72.0	73.7	71.4	70.7
85°	179.9	126.9	67.2	58.0	58.3	59.0	60.6	62.3	64.8	64.0	63.2
87.5°	125.5	92.0	57.1	50.8	50.8	51.4	52.3	54.0	57.1	56.9	55.9
90°	85.3	66.5	48.0	44.3	43.7	43.8	44.6	45.5	48.5	48.1	47.5
92.5°	57.1	47.3	38.8	36.7	36.4	36.7	36.7	37.4	38.8	38.2	37.4
95°	38.2	34.0	30.9	29.7	29.3	29.6	29.6	29.0	30.0	28.7	28.0
97.5°	27.4	25.6	25.0	24.0	23.3	23.4	23.4	23.0	23.3	21.6	21.1
100°	20.9	20.4	20.4	19.5	18.8	19.0	19.0	18.8	18.4	16.6	16.3
102.5°	16.6	16.3	16.6	15.8	15.1	15.6	15.4	15.1	14.6	12.9	12.8
105°	12.9	12.9	13.7	12.9	12.4	12.8	12.8	12.2	11.8	10.3	10.3
107.5°	10.2	10.3	11.0	10.6	10.3	10.6	10.3	9.8	9.2	8.2	8.2



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-A-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.9	8.4	9.2	8.9	8.7	8.9	8.4	7.9	7.1	6.6	6.6
112.5°	6.5	6.6	7.5	7.5	7.1	7.5	6.9	6.3	5.7	5.5	5.5
115°	5.3	5.7	6.3	6.3	6.3	6.3	5.7	5.0	4.5	4.5	4.5
117.5°	4.5	4.9	5.3	5.3	5.3	5.3	4.9	4.1	3.7	3.9	3.9
120°	3.9	4.1	4.5	4.5	4.5	4.5	4.1	3.4	2.9	3.1	3.1
122.5°	3.4	3.7	3.9	4.1	4.1	3.9	3.4	2.9	2.3	2.6	2.6
125°	3.1	3.4	3.4	3.7	3.4	3.4	2.9	2.3	2.2	2.3	2.3
127.5°	2.9	3.1	3.1	3.1	3.1	2.6	2.3	1.9	1.6	1.9	2.2
130°	2.6	2.9	2.9	2.6	2.3	2.2	1.9	1.6	1.4	1.6	1.9
132.5°	2.6	2.6	2.6	2.3	2.2	1.6	1.4	1.2	1.2	1.4	1.6
135°	2.2	2.2	2.2	1.9	1.4	1.2	1.0	1.0	1.0	1.2	1.2
137.5°	1.6	1.9	1.6	1.4	1.2	1.0	0.7	0.7	0.7	1.0	1.0
140°	1.4	1.4	1.4	1.2	1.0	0.4	0.2	0.2	0.4	0.4	0.7
142.5°	1.2	1.4	1.2	1.0	0.7	0.2	0.0	0.2	0.2	0.2	0.2
145°	1.2	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.2	0.0	0.0
147.5°	1.0	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.2	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)