

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: P414170

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414170  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-727-U-T3-A  
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: 2193 lumens  
Efficiency: N/A  
Efficacy: 104.4 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 - U2 - G2

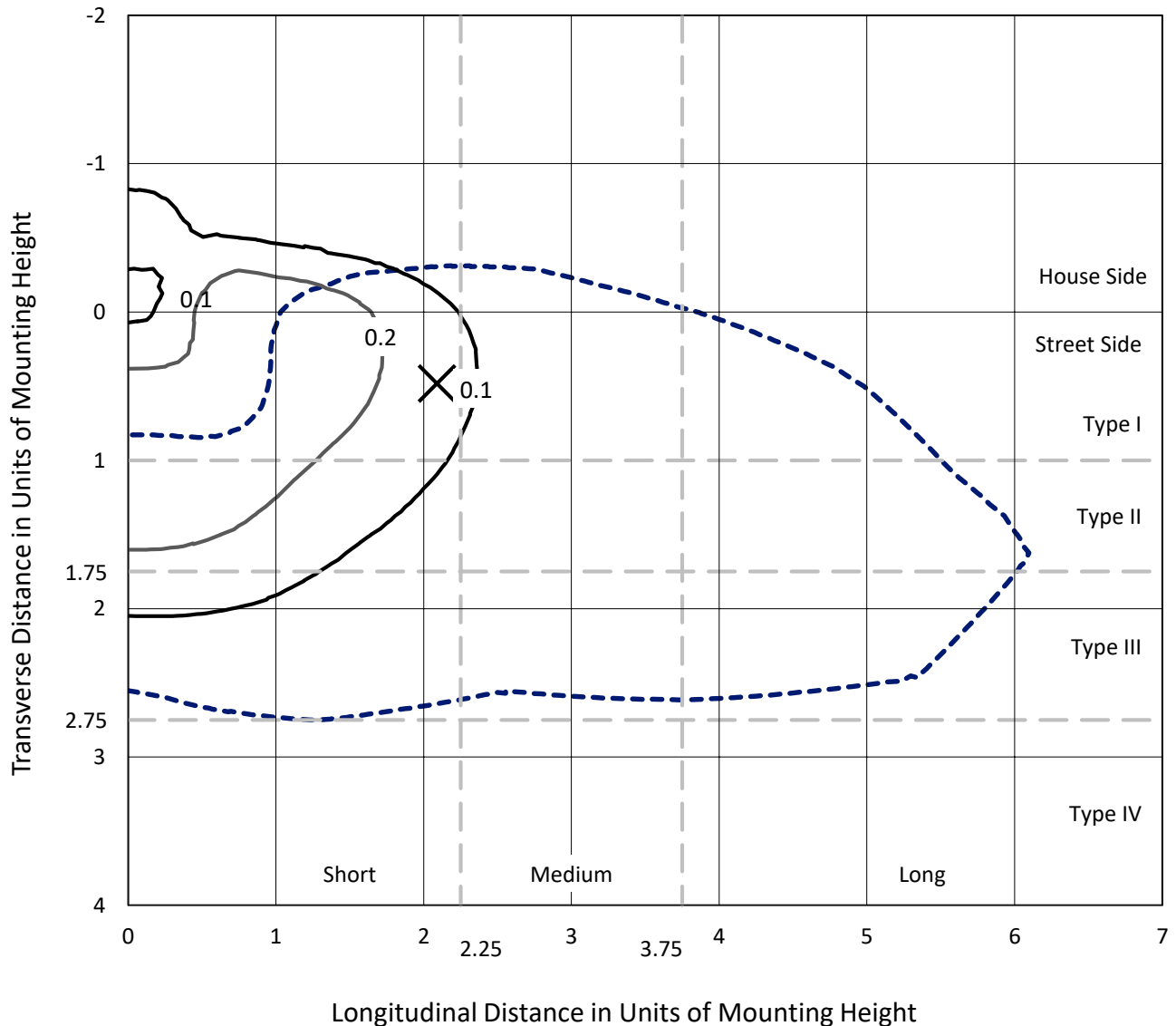
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

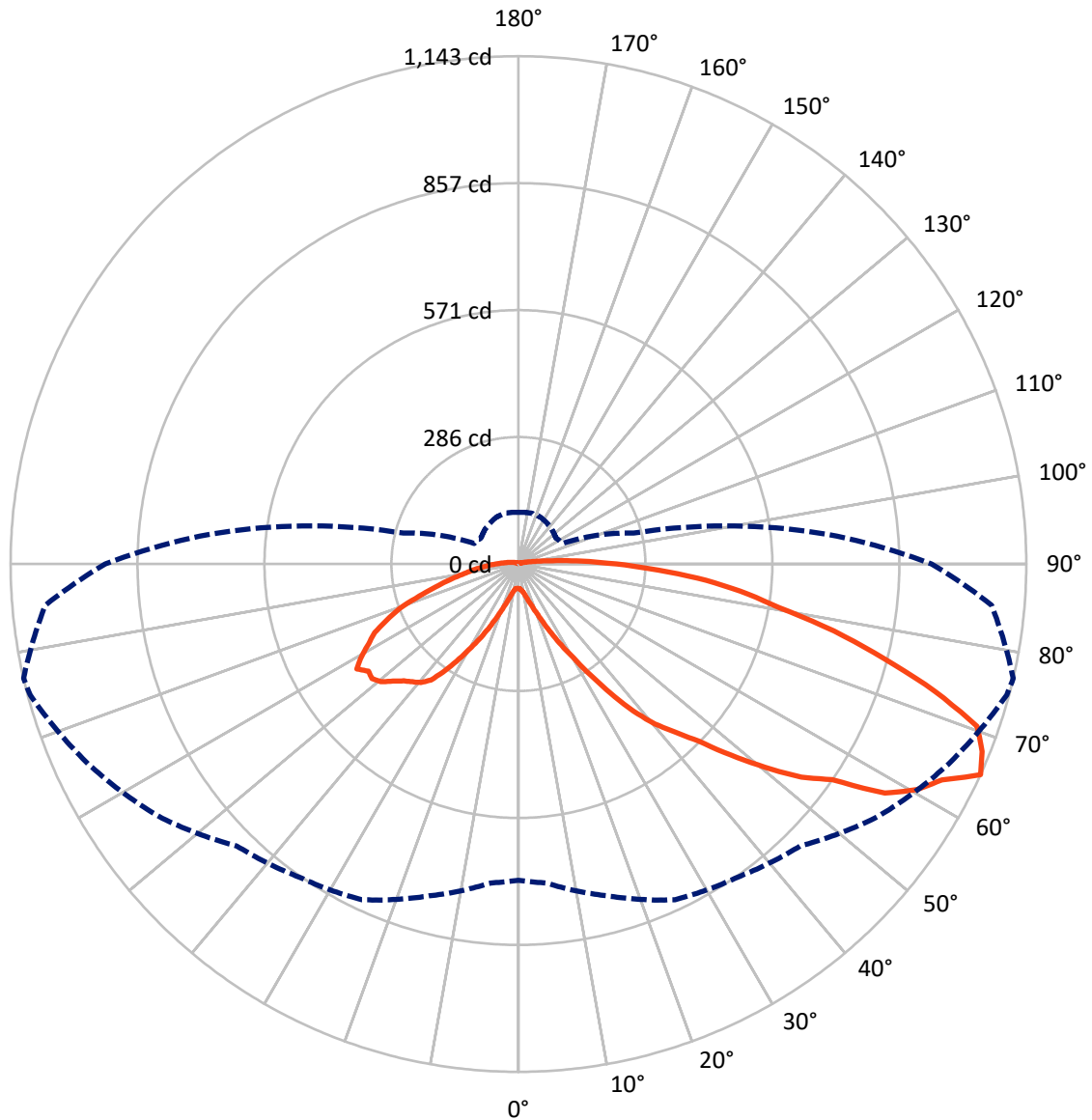
× Max cd  
 - - - 1/2 Max cd



Based on 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 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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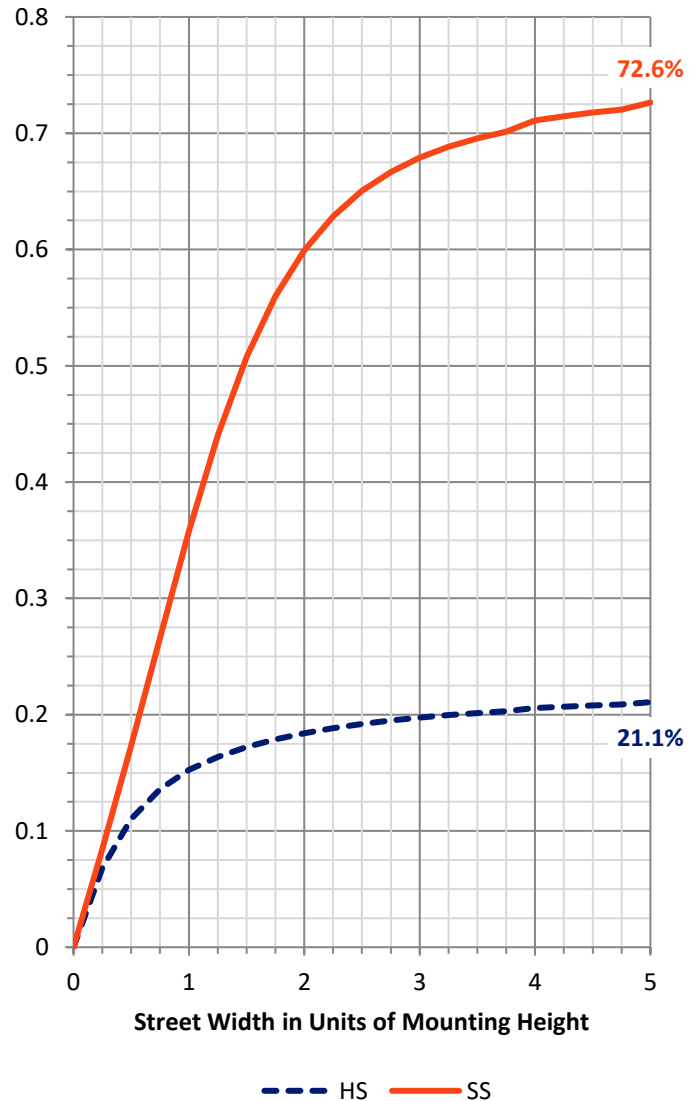
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	483.2	34.4	517.6
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	1632.4	43.0	1675.4
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	2115.7	77.3	2193.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	24.0	1.1
20°-30°	70.4	3.2
30°-40°	168.5	7.7
40°-50°	303.4	13.8
50°-60°	461.5	21.0
60°-70°	544.4	24.8
70°-80°	375.2	17.1
80°-90°	162.7	7.4
90°-100°	47.5	2.2
100°-110°	14.9	0.7
110°-120°	6.9	0.3
120°-130°	4.1	0.2
130°-140°	2.5	0.1
140°-150°	1.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2115.7	96.5
0°-180°	2193.0	100.0



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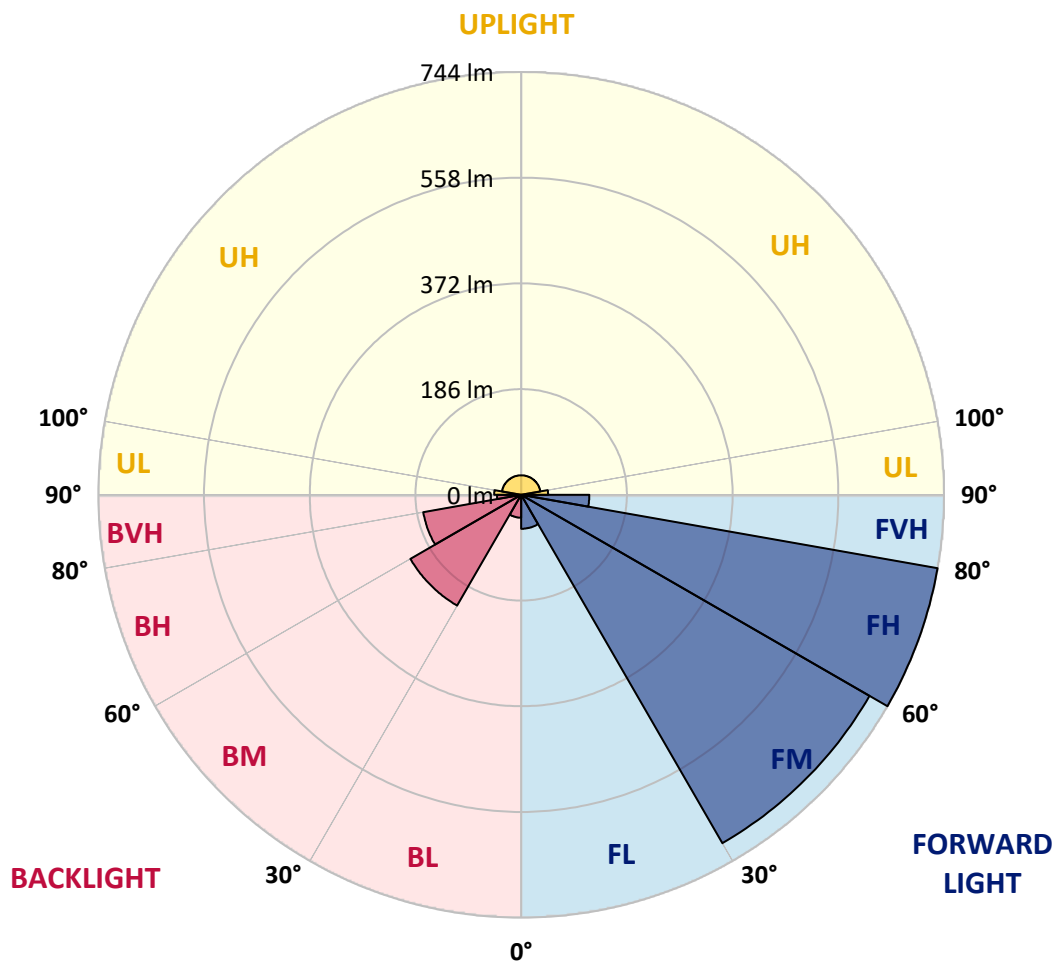
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.8	2.7			
FM	(30°-60°)	708.2	32.3			
FH	(60°-80°)	744.5	33.9			G1/1800
FVH	(80°-90°)	120.0	5.5			G2/225
BL	(0°-30°)	40.3	1.8	B0/110		
BM	(30°-60°)	225.2	10.3	B1/1000		
BH	(60°-80°)	175.1	8.0	B1/500		G1/500
BVH	(80°-90°)	42.7	1.9			G1/100
UL	(90°-100°)	47.5	2.2		U2/50	
UH	(100°-180°)	34.4	1.6		U2/50	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	59.2	59.0	59.0	59.2	58.7	58.2	57.5	56.7	56.0	56.0	55.5
5°	64.0	63.8	63.8	63.8	62.8	62.0	60.2	59.2	58.2	57.7	57.0
7.5°	70.3	69.6	69.8	69.6	68.1	66.5	64.8	62.8	61.5	61.3	59.7
10°	78.6	78.1	77.6	76.6	75.1	72.6	70.1	68.3	66.5	66.3	64.5
12.5°	90.5	90.0	89.0	86.7	83.4	80.4	77.9	75.9	74.9	74.4	72.6
15°	104.9	103.4	102.8	99.3	94.8	91.3	88.5	87.2	86.2	86.2	83.9
17.5°	121.8	121.8	119.2	114.4	108.6	104.4	101.6	99.3	100.1	99.8	98.6
20°	142.7	142.2	138.4	132.1	125.0	121.0	117.5	116.2	117.2	118.2	118.2
22.5°	172.9	171.7	165.9	156.3	146.0	139.4	136.9	136.6	140.7	141.9	143.4
25°	207.0	205.2	197.9	186.3	173.4	163.3	159.8	162.6	169.9	172.7	175.7
27.5°	248.0	247.0	235.9	220.1	204.7	191.6	187.5	196.1	205.9	207.0	213.0
30°	301.0	301.5	286.4	263.4	237.2	223.6	219.1	229.4	244.0	245.0	257.1
32.5°	362.2	362.2	339.5	311.8	278.0	258.9	254.6	271.2	294.2	297.7	309.3
35°	440.4	435.8	406.9	367.0	324.7	296.2	295.7	321.7	353.2	356.7	369.3
37.5°	510.5	513.2	483.7	431.8	374.6	341.8	346.1	379.1	419.0	420.0	433.6
40°	586.3	589.4	554.6	500.4	430.0	393.2	401.8	432.6	472.1	472.9	477.7
42.5°	645.8	653.6	621.1	564.7	493.6	451.7	453.7	482.5	513.0	516.8	520.0
45°	681.4	687.2	669.3	624.1	549.5	510.2	505.4	528.9	568.7	567.7	572.5
47.5°	737.3	744.1	716.7	675.6	612.6	563.9	557.8	588.4	637.3	642.3	637.8
50°	795.3	804.4	784.5	736.6	671.5	624.1	624.9	659.7	716.7	718.4	721.2
52.5°	835.9	842.4	834.6	801.4	732.3	689.2	696.0	737.6	793.5	796.8	785.7
55°	842.2	852.3	858.6	851.0	798.8	756.2	773.6	815.2	853.0	855.8	847.2
57.5°	840.2	848.5	861.9	867.7	841.4	825.3	847.7	890.3	963.2	972.5	968.2
60°	837.9	844.0	871.7	880.3	865.4	878.2	914.0	989.9	1030.0	1030.7	991.7
62.5°	774.9	785.0	837.2	880.3	876.2	900.7	979.1	1031.8	1063.5	1069.3	1032.0
65°	711.6	720.4	772.9	833.4	860.1	896.9	989.2	1066.8	1137.4	1142.7	1068.8
67.5°	620.1	634.0	691.2	764.1	796.8	855.6	962.7	1079.1	1123.0	1125.3	1040.8
70°	505.2	524.1	588.6	665.5	704.8	764.3	903.4	1035.0	1096.3	1095.0	994.4
72.5°	364.0	380.9	439.9	531.1	592.6	657.7	795.1	947.3	982.1	980.8	846.0
75°	247.3	256.4	300.7	384.2	472.6	549.0	684.9	821.8	851.3	849.0	724.7
77.5°	162.1	172.4	201.2	272.5	354.9	442.9	575.0	687.9	734.3	726.0	614.3
80°	99.3	105.1	128.8	184.0	269.0	357.4	475.4	582.0	606.0	593.9	501.6
82.5°	62.0	66.5	83.4	121.5	193.1	276.0	390.0	490.0	516.8	503.1	412.7
85°	38.1	40.3	51.9	79.9	131.1	202.9	313.6	397.5	413.9	404.1	311.1
87.5°	27.7	28.2	35.5	53.9	88.5	145.2	230.9	299.5	311.3	293.2	218.0
90°	20.4	21.4	26.2	38.1	61.5	98.6	159.1	210.7	213.8	202.7	145.7
92.5°	15.4	15.9	19.7	27.0	42.3	67.3	106.1	141.2	138.4	130.6	90.5
95°	11.1	11.3	14.1	19.2	29.7	45.1	67.6	88.5	79.7	76.4	55.0
97.5°	9.1	9.3	11.3	14.9	21.9	31.8	43.6	52.7	46.9	44.9	35.3
100°	7.8	7.8	9.6	12.4	17.1	23.7	29.0	33.0	30.2	29.2	25.0
102.5°	7.1	7.1	8.3	10.3	14.1	18.7	21.4	22.7	21.2	20.4	18.4
105°	6.3	6.3	7.3	8.8	11.8	15.1	16.4	16.6	15.1	14.9	14.1
107.5°	5.8	5.8	6.6	7.8	10.1	12.6	13.1	12.4	11.6	11.1	11.1
110°	5.0	5.3	5.8	6.8	8.8	10.6	10.6	9.6	8.6	8.6	8.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.8	4.8	5.3	6.3	7.8	9.1	8.6	7.6	6.8	6.8	7.3
115°	4.3	4.3	4.8	5.8	7.1	7.8	7.3	6.3	5.5	5.8	6.3
117.5°	4.0	4.0	4.5	5.3	6.3	6.8	6.3	5.3	4.8	5.0	5.8
120°	4.0	4.0	4.5	5.0	5.8	6.0	5.5	4.5	4.3	4.3	5.0
122.5°	4.0	4.0	4.3	5.0	5.5	5.5	4.8	4.0	3.8	3.8	4.5
125°	4.0	4.0	4.5	5.0	5.0	5.0	4.3	3.5	3.3	3.5	4.0
127.5°	4.3	4.3	4.5	4.8	4.8	4.5	3.8	3.3	3.0	3.3	3.8
130°	4.3	4.3	4.5	4.8	4.5	4.0	3.5	3.0	3.0	3.0	3.8
132.5°	4.3	4.3	4.5	4.5	4.3	3.5	3.0	2.5	2.8	3.0	3.5
135°	4.0	4.0	4.0	4.0	3.8	3.3	2.5	2.3	2.5	2.8	3.3
137.5°	3.8	3.8	3.8	3.8	3.3	2.8	2.0	1.8	2.3	2.3	2.8
140°	3.3	3.3	3.5	3.3	3.0	2.3	1.8	1.3	1.8	1.8	2.3
142.5°	3.0	3.0	3.0	3.0	2.5	2.0	1.3	1.3	1.5	1.5	1.8
145°	2.5	2.5	2.8	2.5	2.0	1.5	1.0	1.0	1.3	1.3	1.5
147.5°	2.0	2.3	2.3	2.0	1.8	1.3	0.8	0.8	1.0	1.0	1.3
150°	1.8	1.8	1.8	1.8	1.3	0.8	0.5	0.8	1.0	1.0	1.0
152.5°	1.3	1.3	1.5	1.5	1.0	0.5	0.5	0.8	0.8	0.8	1.0
155°	1.0	1.0	1.3	1.0	0.8	0.3	0.5	0.5	0.8	0.8	0.8
157.5°	0.5	0.5	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.8
160°	0.3	0.3	0.8	0.8	0.5	0.3	0.3	0.3	0.5	0.5	0.5
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°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	55.2	54.7	54.4	53.9	53.4	52.9	52.9	52.9	52.7	52.4	52.7
5°	56.2	56.0	54.7	53.7	52.7	52.2	51.7	51.4	51.4	50.9	50.9
7.5°	59.0	58.0	56.2	54.4	53.4	52.4	51.7	51.4	51.2	50.7	50.7
10°	63.3	62.0	60.0	57.2	55.5	53.7	52.9	52.9	52.7	52.4	52.4
12.5°	71.3	69.8	66.3	62.5	59.0	56.5	56.0	56.7	58.2	58.5	58.5
15°	83.2	81.4	76.9	70.8	65.3	61.8	62.3	64.3	66.3	67.1	67.1
17.5°	97.8	95.8	89.2	80.4	73.1	69.8	69.6	72.3	75.1	76.6	76.6
20°	117.5	114.2	105.6	93.0	82.9	79.2	77.6	80.2	84.4	86.2	85.7
22.5°	141.9	138.1	126.0	106.9	94.3	87.5	85.5	88.2	93.5	95.8	95.5
25°	174.2	170.4	150.7	124.3	105.4	94.8	93.5	97.6	105.4	109.9	109.4
27.5°	211.7	205.4	179.2	143.7	116.2	100.8	101.1	107.9	116.0	121.0	120.5
30°	251.8	243.8	208.0	162.3	126.3	107.6	107.1	115.2	123.5	128.8	128.8
32.5°	304.8	292.9	241.2	180.2	134.1	112.9	111.2	120.2	128.8	134.4	134.1
35°	361.5	345.6	276.0	199.1	140.7	115.7	113.7	123.0	131.8	138.4	138.4
37.5°	426.5	399.5	308.5	212.3	145.2	117.2	114.4	125.0	135.9	142.7	142.2
40°	460.8	430.6	324.2	218.0	146.0	117.5	115.7	126.8	135.9	138.4	137.1
42.5°	499.1	460.0	330.7	211.0	143.2	117.0	116.5	125.0	129.1	128.3	127.6
45°	547.5	494.8	337.0	202.2	136.6	116.2	115.2	120.2	120.5	117.5	116.5
47.5°	609.3	542.7	347.4	191.6	130.1	114.4	113.2	115.5	111.2	105.6	103.9
50°	675.6	598.2	360.2	182.5	124.0	112.2	110.9	110.2	105.9	100.3	99.3
52.5°	733.3	635.7	363.7	172.9	120.0	110.7	109.2	108.4	104.4	98.1	96.8
55°	785.0	667.8	351.4	158.6	116.7	109.7	109.2	109.2	104.9	98.3	97.1
57.5°	887.1	744.4	355.9	143.9	112.4	109.4	110.2	110.4	106.4	100.1	98.8
60°	890.1	729.8	329.5	133.6	108.6	109.4	111.2	111.7	108.9	104.6	103.9
62.5°	919.1	730.3	293.9	120.2	106.1	108.9	111.9	113.7	113.9	111.4	110.9
65°	929.7	719.7	268.2	109.7	102.6	107.6	112.2	116.5	118.0	116.7	116.2
67.5°	889.1	671.0	233.2	102.6	99.1	105.6	111.9	117.2	120.5	121.2	121.2
70°	835.6	616.3	201.9	95.8	95.3	102.8	110.2	117.2	121.8	123.8	123.8
72.5°	700.0	506.2	166.6	88.7	90.2	98.6	106.4	114.9	120.0	121.8	121.0
75°	585.6	416.7	137.1	82.7	85.2	93.3	101.1	109.4	112.9	113.9	113.2
77.5°	495.3	346.6	112.7	77.1	79.2	86.5	93.5	99.3	101.6	101.1	99.8
80°	399.3	270.5	92.5	70.3	72.3	78.1	83.2	87.7	90.0	88.7	88.0
82.5°	317.9	215.0	78.9	64.3	65.0	69.8	73.4	76.9	80.7	79.7	77.6
85°	235.2	158.3	67.1	57.7	57.7	61.3	63.0	66.3	71.6	71.3	70.6
87.5°	160.8	112.7	57.0	51.2	50.9	52.9	53.9	57.5	64.3	64.5	63.8
90°	105.9	77.1	47.6	44.4	43.9	45.4	46.1	49.2	54.7	55.2	54.2
92.5°	68.8	53.4	39.1	37.6	37.3	38.6	38.3	40.3	44.1	43.9	43.1
95°	44.1	37.3	31.8	31.0	30.2	31.8	31.3	31.8	33.8	33.3	33.3
97.5°	30.5	28.5	26.2	25.0	24.5	26.0	25.5	25.5	26.5	25.5	25.0
100°	23.4	22.7	21.7	20.7	19.7	20.9	20.9	20.9	21.7	20.2	19.7
102.5°	18.1	17.9	17.9	17.1	16.4	17.4	17.6	17.9	17.6	16.1	15.9
105°	14.4	14.4	14.9	14.1	13.9	14.6	14.9	14.6	14.6	13.4	13.4
107.5°	11.3	11.8	12.4	11.8	11.8	12.4	12.4	12.4	11.8	11.1	11.3
110°	9.3	9.8	10.6	10.1	10.1	10.6	10.3	10.1	9.8	9.6	9.6



REPORT NUMBER: P414170

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	8.3	8.8	8.6	8.8	9.1	8.8	8.3	8.3	8.3	8.6
115°	6.8	7.3	7.8	7.6	7.6	7.8	7.3	7.1	7.1	7.3	7.3
117.5°	6.0	6.6	6.8	6.8	6.6	6.8	6.3	6.0	6.3	6.6	6.6
120°	5.5	5.8	6.0	6.0	5.8	5.8	5.5	5.3	5.5	5.8	6.0
122.5°	5.0	5.3	5.3	5.5	5.3	5.0	4.8	4.8	5.0	5.3	5.3
125°	4.5	4.8	4.8	4.8	4.8	4.5	4.3	4.3	4.5	4.8	5.0
127.5°	4.0	4.3	4.3	4.5	4.3	4.0	3.8	4.0	4.3	4.5	4.5
130°	4.0	4.0	4.0	4.0	3.8	3.5	3.5	3.5	4.0	4.3	4.3
132.5°	3.8	4.0	3.8	3.8	3.5	3.0	3.0	3.3	3.8	4.0	4.0
135°	3.5	3.5	3.3	3.3	3.0	2.8	2.5	3.0	3.3	3.5	3.5
137.5°	3.0	3.0	2.8	2.5	2.5	2.3	2.3	2.5	3.0	3.3	3.3
140°	2.3	2.5	2.3	2.0	2.0	1.8	2.0	2.3	2.8	2.8	2.8
142.5°	1.8	2.0	1.8	1.5	1.5	1.5	1.5	2.0	2.5	2.5	2.5
145°	1.5	1.5	1.5	1.3	1.0	1.0	1.3	1.8	2.3	2.3	2.3
147.5°	1.3	1.3	1.3	1.0	0.8	0.8	1.0	1.5	1.8	1.8	1.8
150°	1.0	1.0	1.0	1.0	0.8	0.5	0.8	1.3	1.5	1.5	1.5
152.5°	1.0	1.0	1.0	0.8	0.5	0.3	0.5	1.0	1.3	1.3	1.3
155°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.8	1.0	1.0	1.0
157.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.8	1.0	0.8	0.8
160°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.5	0.8	0.5	0.5
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)