

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: P414431

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-827-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 1999 lumens  
Efficiency: N/A  
Efficacy: 95.2 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

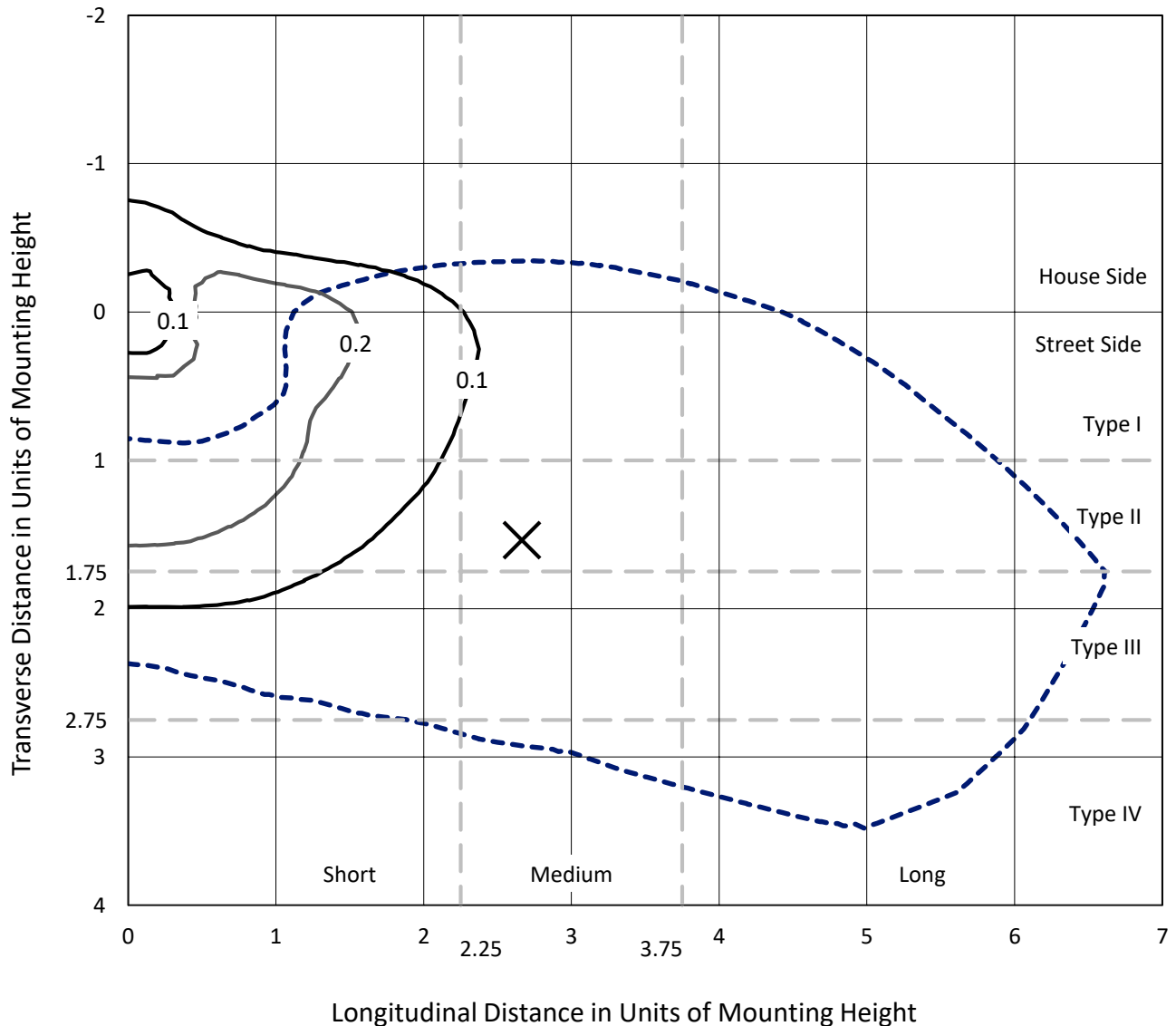
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

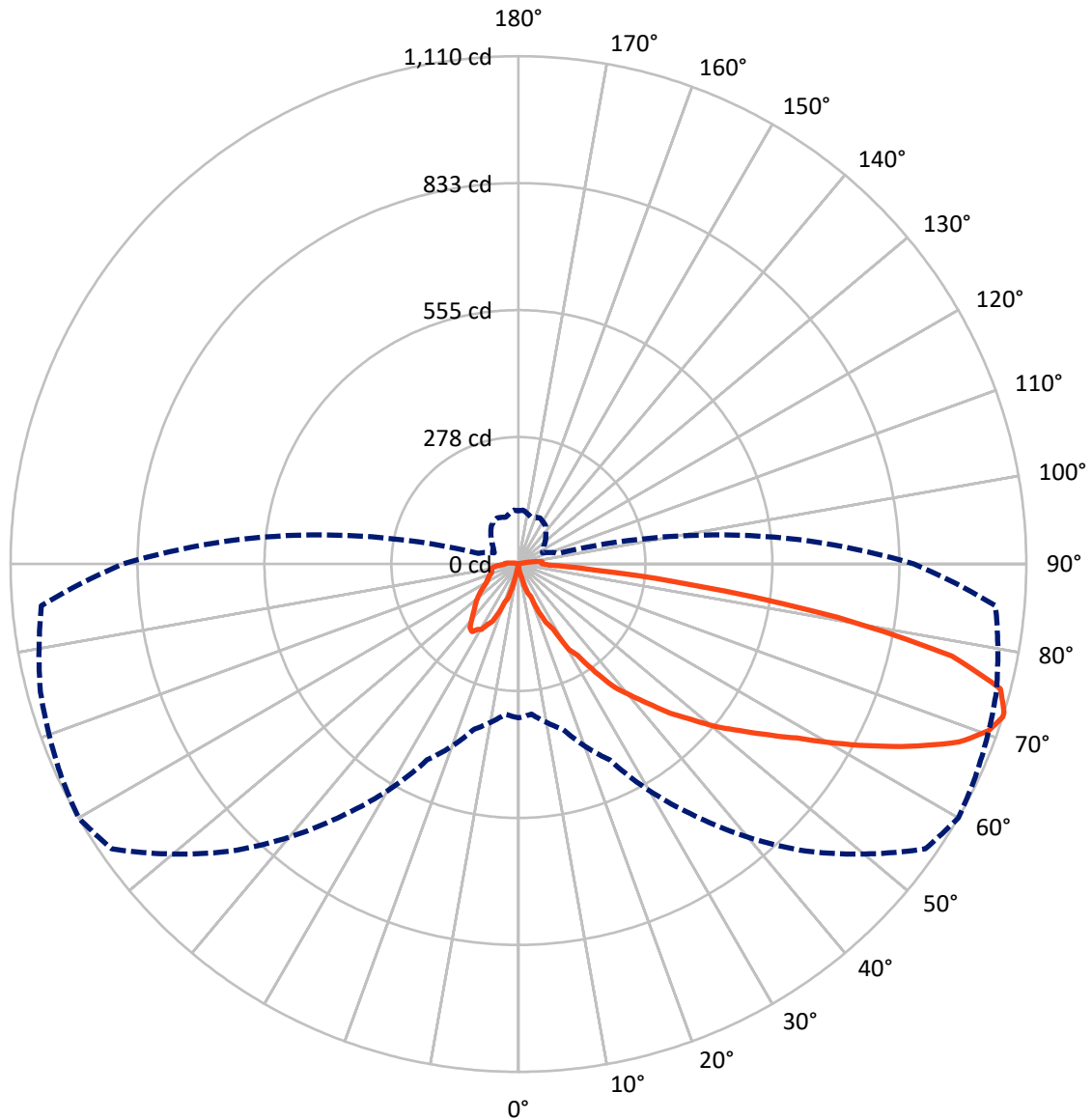
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



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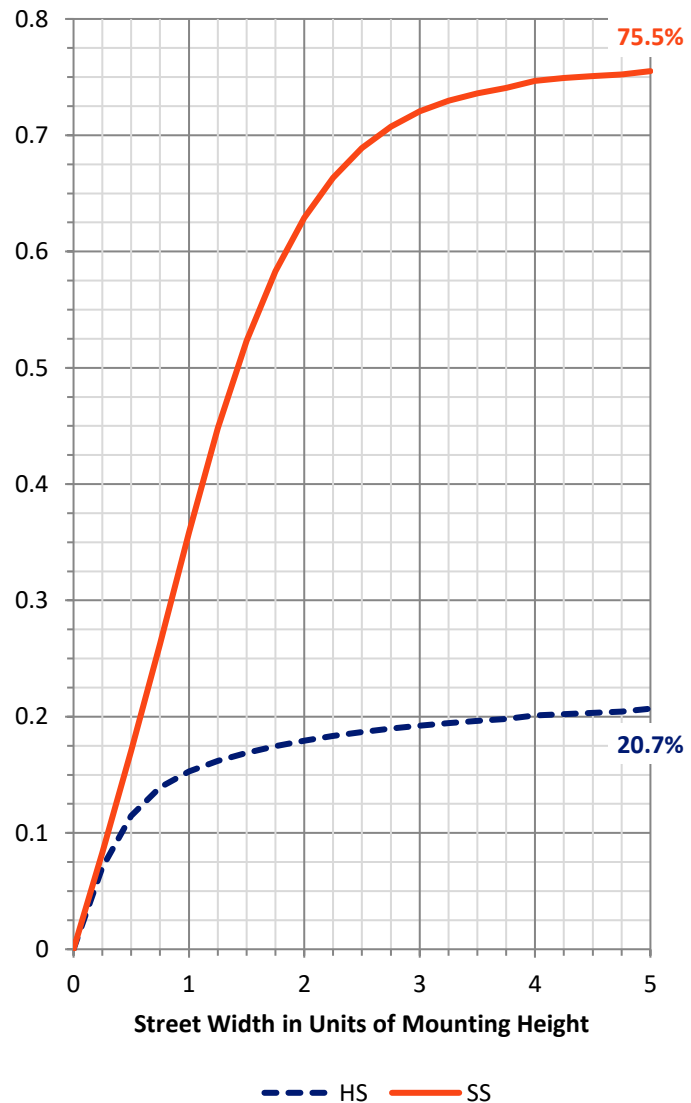
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	436.9	21.3	458.2
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	1522.1	18.7	1540.8
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	1959.0	40.0	1999.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	16.3	0.8
20°-30°	68.2	3.4
30°-40°	157.4	7.9
40°-50°	276.5	13.8
50°-60°	417.8	20.9
60°-70°	515.2	25.8
70°-80°	397.8	19.9
80°-90°	108.7	5.4
90°-100°	29.5	1.5
100°-110°	5.1	0.3
110°-120°	2.0	0.1
120°-130°	1.4	0.1
130°-140°	0.9	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°	1959.0	98.0
0°-180°	1999.0	100.0



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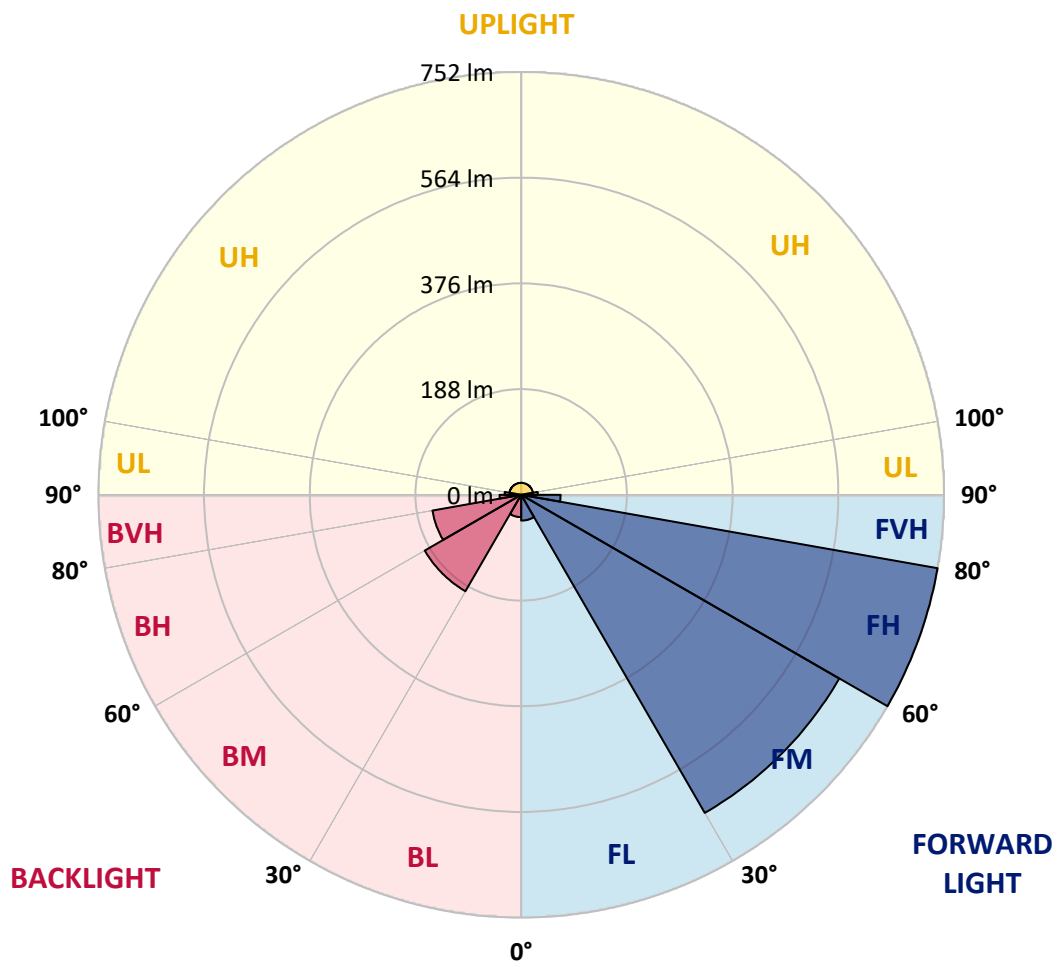
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.9	2.3			
FM	(30°-60°)	653.6	32.7			
FH	(60°-80°)	752.4	37.6			G1/1800
FVH	(80°-90°)	70.2	3.5			G1/100
BL	(0°-30°)	39.7	2.0	B0/110		
BM	(30°-60°)	198.2	9.9	B0/220		
BH	(60°-80°)	160.5	8.0	B1/500		G1/500
BVH	(80°-90°)	38.5	1.9			G1/100
UL	(90°-100°)	29.5	1.5		U2/50	
UH	(100°-180°)	21.3	1.1		U2/50	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.7	2.4	2.2	2.2	2.4	2.2	2.0	1.8	1.6	1.6	1.3
5°	24.8	24.2	23.9	19.3	8.9	6.9	3.1	2.4	2.0	1.6	1.3
7.5°	27.5	27.3	27.0	27.0	26.6	25.3	14.4	7.1	4.0	2.0	1.8
10°	31.5	31.0	29.7	29.0	28.4	27.9	25.9	24.6	11.1	3.3	2.9
12.5°	56.1	55.2	53.8	39.9	34.1	30.1	29.5	28.4	24.6	10.2	20.6
15°	60.3	60.1	59.2	58.5	56.7	37.7	45.6	52.1	58.9	48.1	53.6
17.5°	75.8	73.6	67.8	64.5	63.4	69.1	66.0	67.1	67.1	64.7	61.4
20°	113.2	111.7	108.8	96.0	72.2	89.1	87.3	74.2	76.5	94.6	109.9
22.5°	136.5	135.0	129.0	120.8	119.2	99.1	103.0	112.6	115.2	132.7	132.5
25°	185.3	182.4	169.5	145.4	148.5	127.9	143.8	141.6	134.7	146.3	150.2
27.5°	226.3	223.8	217.6	205.4	172.2	178.8	163.5	160.7	179.1	211.4	210.7
30°	271.5	258.2	241.5	237.8	213.2	202.8	206.8	216.3	223.2	226.3	234.0
32.5°	329.3	327.7	315.3	266.4	258.6	231.8	250.9	237.8	243.1	287.9	314.4
35°	369.4	373.4	351.5	322.2	285.4	284.8	276.8	289.9	315.3	321.5	339.9
37.5°	462.9	464.0	444.3	360.8	336.8	313.8	338.6	342.1	349.2	359.9	375.4
40°	533.4	523.4	499.0	437.0	384.9	359.9	377.6	377.2	392.7	412.2	421.9
42.5°	620.3	609.2	565.5	495.3	446.5	418.8	420.6	416.8	429.7	460.5	466.5
45°	693.2	688.3	654.6	580.6	514.6	481.3	469.3	464.7	471.1	509.9	513.2
47.5°	762.1	749.0	727.1	652.2	613.4	552.9	518.5	507.5	509.5	553.6	563.3
50°	835.0	813.0	786.0	720.2	692.1	642.9	575.1	557.8	558.4	599.2	615.8
52.5°	878.2	843.4	825.9	771.4	743.0	718.4	634.2	604.3	607.4	646.0	671.2
55°	851.4	841.0	841.4	808.8	787.8	759.0	691.6	658.2	661.7	706.9	738.6
57.5°	806.2	814.2	842.3	841.0	829.2	801.1	748.8	717.5	737.9	775.8	809.3
60°	771.4	780.5	826.1	849.6	871.6	850.9	808.0	794.4	813.5	846.5	886.6
62.5°	713.3	720.6	783.4	845.4	870.4	893.5	864.2	876.4	893.9	921.9	970.6
65°	634.0	632.2	710.2	806.8	863.1	917.2	936.7	959.1	975.0	1005.0	1049.3
67.5°	540.3	549.1	614.7	723.7	834.5	929.2	997.6	1038.6	1048.6	1060.1	1092.0
70°	441.2	440.8	498.2	614.1	773.2	922.5	1055.5	1090.9	1091.2	1084.3	1093.8
72°	336.4	329.3	373.6	472.5	671.4	886.8	1085.2	1110.0	1101.8	1081.4	1046.6
72.5°	288.7	295.2	336.8	445.0	625.8	869.1	1088.3	1109.8	1100.9	1078.5	1032.4
75°	146.5	137.2	160.9	238.4	431.7	702.2	1065.9	1088.1	1063.2	1035.3	905.2
77.5°	57.4	58.9	68.3	103.0	210.1	462.5	920.1	968.4	952.4	932.7	714.0
80°	40.3	40.3	45.6	58.7	107.7	187.9	637.5	707.8	732.4	742.1	477.5
82.5°	29.3	29.7	34.8	41.0	76.9	90.2	313.1	393.3	432.1	468.5	267.0
85°	27.3	27.3	27.9	27.5	55.0	64.3	113.9	168.0	194.1	227.6	107.9
87.5°	12.9	14.0	20.6	16.4	27.0	39.7	62.0	67.4	68.9	78.2	77.6
90°	8.4	8.4	6.9	7.1	13.3	32.1	49.9	51.0	49.0	57.4	72.2
92.5°	8.6	8.9	6.4	6.6	10.4	29.5	51.2	52.1	50.5	60.3	76.7
95°	8.0	8.0	5.5	5.8	8.2	22.6	51.2	52.1	47.6	60.1	76.7
97.5°	6.6	6.9	4.4	4.7	6.4	11.1	35.5	38.1	30.4	30.6	37.5
100°	5.8	5.8	3.5	3.8	4.7	5.1	17.9	18.8	16.8	7.5	5.1
102.5°	5.8	5.8	3.1	3.1	3.1	2.9	5.5	9.3	7.8	4.4	4.9
105°	5.5	5.8	2.9	2.4	2.4	2.2	2.9	3.5	3.5	3.5	5.1
107.5°	4.4	4.7	2.2	2.2	2.0	2.0	1.6	1.6	2.2	3.3	5.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.5	3.5	1.8	2.0	1.6	1.8	1.3	1.3	2.0	2.4	4.2
112.5°	2.0	2.0	1.3	1.6	1.3	1.6	1.3	1.3	1.6	2.0	2.7
115°	1.8	1.8	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8	2.9
117.5°	1.8	1.8	1.1	1.1	1.1	0.9	0.9	1.1	1.1	1.8	2.9
120°	1.8	1.8	1.1	1.1	0.9	0.9	0.9	1.1	1.1	1.8	2.9
122.5°	2.0	1.8	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.6	2.9
125°	2.0	1.8	1.3	0.9	0.9	0.9	0.9	0.9	1.1	1.6	2.4
127.5°	2.0	2.0	1.3	0.9	0.9	0.9	0.9	0.9	0.9	1.3	2.2
130°	2.0	1.8	1.3	0.9	0.9	0.9	0.9	0.9	0.9	1.3	2.0
132.5°	1.8	1.8	1.3	0.9	1.1	0.9	0.9	0.9	0.9	1.1	1.6
135°	1.6	1.6	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	1.3
137.5°	1.6	1.6	1.3	1.1	1.1	1.1	0.9	0.9	0.9	0.9	1.1
140°	1.6	1.6	1.3	1.3	1.3	1.1	0.9	0.9	0.9	1.1	1.1
142.5°	1.8	1.8	1.6	1.3	1.3	1.1	0.9	0.9	1.1	1.1	1.1
145°	2.0	2.0	1.8	1.6	1.3	0.9	0.9	1.1	1.1	1.1	1.3
147.5°	2.0	2.0	1.8	1.3	1.1	0.9	0.9	1.1	1.1	1.3	1.3
150°	1.8	1.8	1.6	1.1	0.9	0.7	0.9	0.9	1.1	1.3	1.3
152.5°	1.3	1.3	1.1	0.9	0.7	0.4	0.7	0.9	0.9	1.1	1.3
155°	0.9	0.9	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.9	1.1
157.5°	0.4	0.4	0.2	0.2	0.4	0.4	0.4	0.7	0.7	0.7	0.9
160°	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.7	0.7	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.8	2.0
5°	1.3	1.3	1.3	1.3	1.6	1.8	2.0	2.2	2.4	2.7	2.7
7.5°	1.6	1.6	1.6	1.8	2.0	2.4	5.5	19.5	26.6	29.0	28.4
10°	2.9	2.9	2.7	2.7	3.1	25.9	33.0	35.9	37.5	39.2	39.2
12.5°	23.0	26.6	9.5	5.3	25.7	36.3	39.0	41.0	42.3	44.1	44.1
15°	55.6	56.5	58.1	52.3	50.5	41.2	43.0	58.3	76.7	81.5	82.0
17.5°	62.5	63.6	64.7	76.7	81.5	63.2	72.7	81.8	83.5	85.3	85.3
20°	119.2	121.0	98.2	88.0	86.0	107.0	82.2	84.4	87.5	103.3	104.8
22.5°	135.2	136.3	127.6	133.2	97.5	111.9	108.1	108.1	121.0	121.9	122.1
25°	151.6	157.8	141.4	136.9	138.7	113.2	127.6	115.2	117.0	118.3	118.6
27.5°	221.2	220.3	207.0	156.7	139.2	137.2	123.9	113.7	133.0	138.1	138.3
30°	235.1	232.9	220.9	183.5	144.5	135.8	116.8	131.4	127.9	128.5	128.7
32.5°	323.3	319.8	285.9	185.7	150.9	125.4	126.8	122.3	122.8	136.5	136.9
35°	345.5	340.6	293.0	214.7	143.8	127.2	117.2	122.8	125.0	124.3	124.3
37.5°	375.2	365.9	290.7	201.9	149.6	119.0	112.1	115.9	114.6	123.0	122.5
40°	407.5	394.4	291.8	187.3	135.6	111.7	107.5	110.8	109.9	107.5	105.7
42.5°	448.7	426.1	291.6	175.1	122.8	109.2	101.5	101.3	97.5	93.5	92.2
45°	490.8	459.6	292.5	161.1	113.0	107.3	98.2	92.9	89.5	85.3	84.2
47.5°	536.9	495.3	295.2	150.0	105.5	101.3	94.0	87.5	85.1	79.8	79.3
50°	591.4	532.7	296.1	141.2	96.6	96.0	90.9	83.8	80.0	74.7	74.2
52.5°	650.2	572.4	297.6	128.1	89.7	94.0	92.6	82.9	81.3	74.5	74.0
55°	705.8	610.1	297.2	112.4	86.6	92.2	92.6	88.6	86.2	74.9	74.0
57.5°	772.7	650.8	290.5	97.7	81.8	89.5	97.1	93.7	91.1	81.8	80.0
60°	832.5	692.9	270.8	86.4	77.6	86.6	100.8	97.5	90.0	84.0	82.2
62.5°	902.6	729.3	243.3	78.2	76.0	87.5	102.2	99.9	90.6	88.6	88.0
65°	950.0	743.0	201.7	71.6	75.8	87.5	101.7	102.2	95.5	97.5	97.3
67.5°	955.8	725.3	152.9	66.5	73.1	87.5	101.0	106.6	99.9	108.1	108.6
70°	928.1	681.0	111.5	61.4	70.2	86.4	101.3	109.5	103.3	116.1	115.2
72°	864.2	613.8	90.2	58.1	67.8	84.7	102.8	111.0	106.1	118.1	116.1
72.5°	847.6	593.2	86.2	57.6	67.4	84.4	103.3	111.5	106.4	120.1	117.7
75°	709.3	472.5	74.0	54.3	68.0	83.3	105.5	111.2	107.7	121.4	121.9
77.5°	537.4	318.4	65.6	51.4	67.8	81.3	104.8	109.5	105.7	116.8	119.2
80°	332.6	185.3	58.3	51.2	67.4	80.4	101.9	104.8	100.2	109.0	109.7
82.5°	181.9	108.4	50.5	50.3	65.4	78.0	96.4	99.5	95.1	104.8	97.9
85°	93.1	73.6	37.9	41.2	57.2	73.3	90.0	89.7	85.3	88.9	84.0
87.5°	71.8	57.8	24.6	29.7	46.8	60.5	74.0	73.3	67.6	68.0	66.0
90°	66.0	51.6	16.2	21.1	39.0	43.4	51.4	49.4	45.4	46.3	45.6
92.5°	66.5	51.0	15.5	22.4	37.5	39.0	47.2	44.8	40.8	41.2	39.9
95°	64.9	49.0	15.5	19.7	31.0	27.7	33.9	33.0	29.7	28.1	27.5
97.5°	31.0	24.4	14.4	14.6	17.5	15.1	20.6	22.2	17.7	14.2	14.2
100°	5.3	8.2	12.6	14.8	12.6	9.5	13.1	15.1	10.2	4.7	5.1
102.5°	5.3	5.1	9.8	12.6	9.1	5.1	7.5	10.0	6.4	3.5	3.8
105°	5.8	5.3	4.7	8.6	5.3	2.7	2.9	5.1	3.5	3.5	3.5
107.5°	6.2	5.8	3.3	3.3	2.7	2.4	2.2	2.0	2.4	3.5	3.8



REPORT NUMBER: P414431

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.7	4.7	3.1	2.7	2.4	2.4	1.8	1.8	2.4	3.8	3.8
112.5°	3.3	3.3	2.7	2.2	2.0	2.4	1.8	1.8	2.2	3.8	4.0
115°	3.3	3.3	2.4	2.0	1.8	2.0	1.8	1.6	2.2	3.8	4.0
117.5°	3.3	3.3	2.4	1.8	1.6	1.6	1.3	1.6	2.2	3.8	4.0
120°	3.3	3.3	2.4	1.8	1.6	1.3	1.3	1.3	2.2	3.8	4.0
122.5°	3.1	3.1	2.2	1.6	1.3	1.1	1.1	1.3	2.0	3.5	3.8
125°	2.9	2.9	2.0	1.6	1.3	1.1	1.1	1.1	2.0	3.3	3.5
127.5°	2.7	2.7	2.0	1.3	1.1	1.1	1.1	1.1	1.8	3.1	3.3
130°	2.2	2.2	1.8	1.3	1.1	0.9	1.1	1.1	1.8	2.9	2.9
132.5°	1.8	1.8	1.3	1.1	1.1	0.9	0.9	1.1	1.6	2.4	2.7
135°	1.3	1.3	1.3	1.1	1.1	0.9	0.9	0.9	1.3	2.0	2.2
137.5°	1.1	1.3	1.1	1.1	1.1	0.9	0.9	0.9	1.3	1.8	1.8
140°	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9	1.3	1.6	1.8
142.5°	1.1	1.3	1.1	1.1	1.1	0.9	0.9	1.1	1.3	1.8	1.8
145°	1.3	1.3	1.3	1.1	1.1	0.7	0.7	1.1	1.3	1.8	1.8
147.5°	1.3	1.3	1.3	1.1	0.9	0.7	0.7	0.9	1.3	1.8	1.8
150°	1.3	1.3	1.3	1.1	0.9	0.4	0.4	0.9	1.1	1.6	1.8
152.5°	1.3	1.3	1.1	1.1	0.7	0.4	0.2	0.7	0.9	1.3	1.3
155°	1.1	1.1	1.1	0.9	0.7	0.2	0.0	0.2	0.7	1.1	1.1
157.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.0	0.2	0.2	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.2	0.4	0.4
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)