

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: P414171

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414171  
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-PA1-20-727-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 2274 lumens  
Efficiency: N/A  
Efficacy: 108.3 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

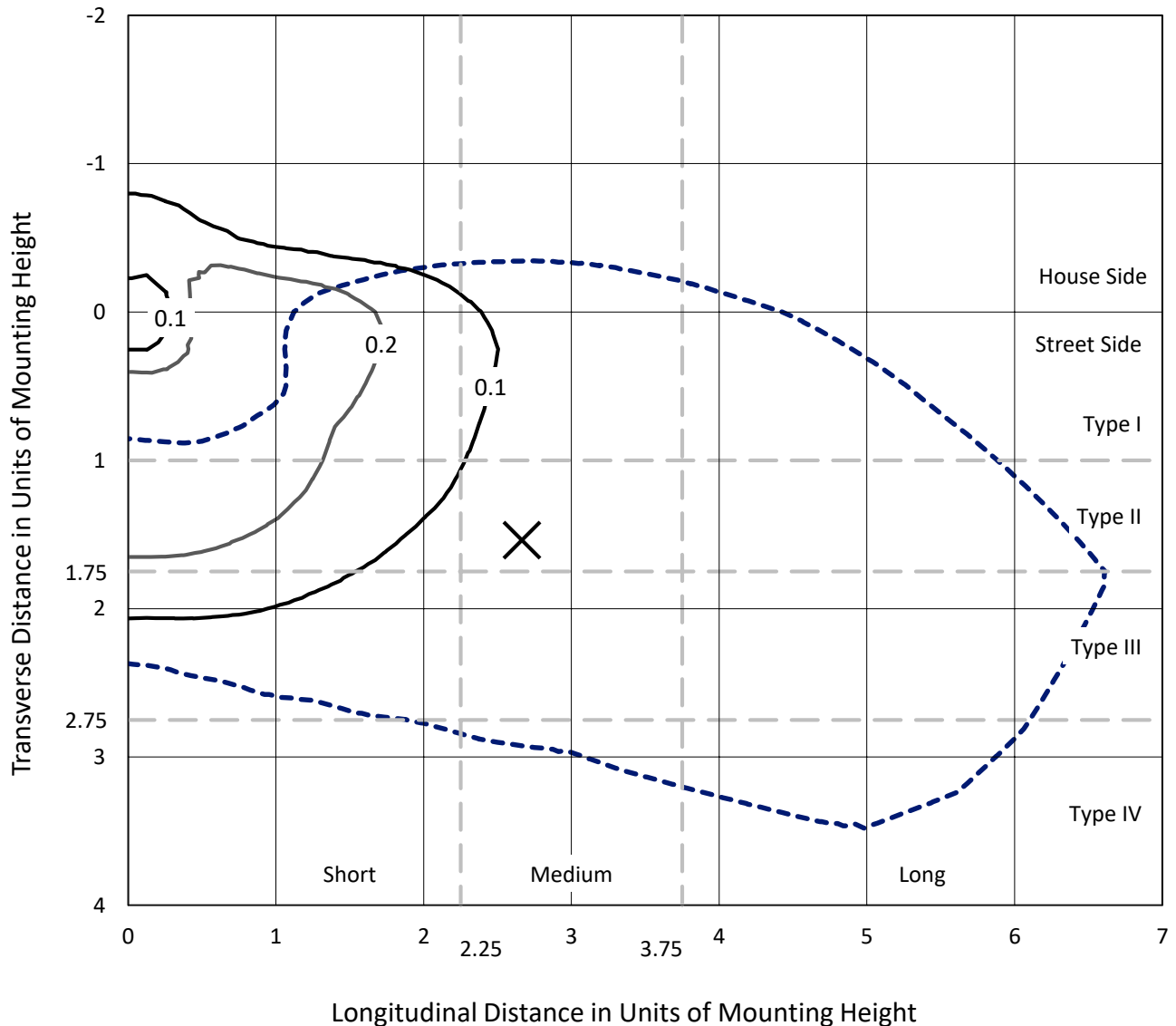
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

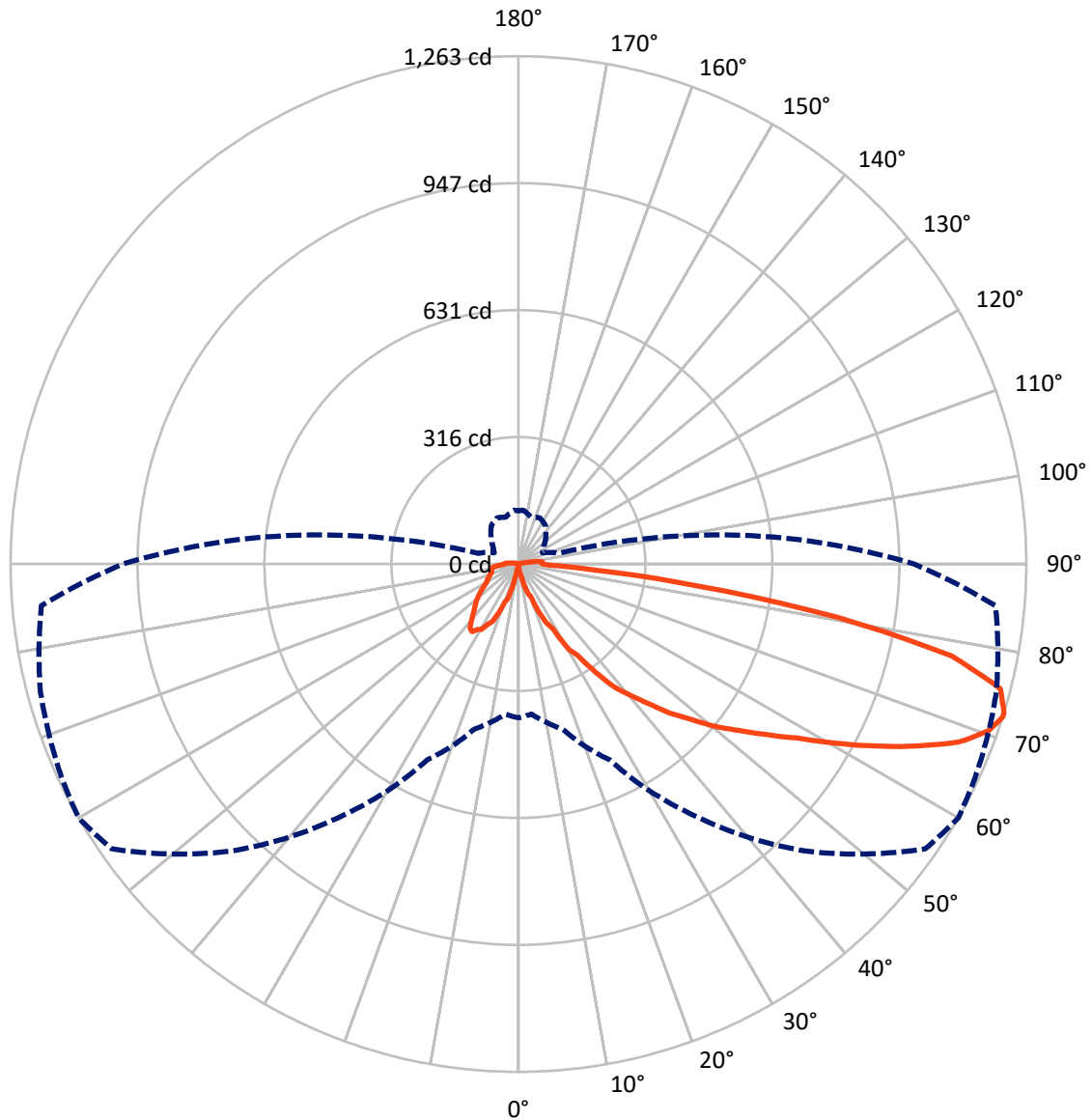
× Max cd  
 - - - 1/2 Max cd



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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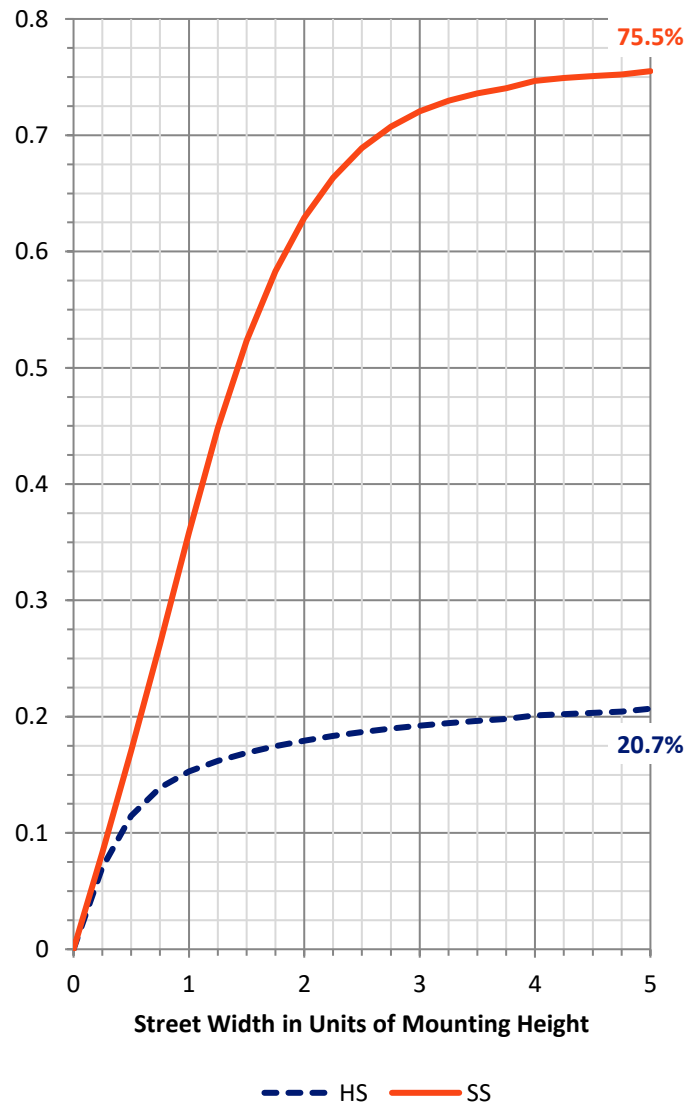
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	497.0	24.3	521.3
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	1731.5	21.3	1752.8
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	2228.5	45.6	2274.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	18.6	0.8
20°-30°	77.5	3.4
30°-40°	179.1	7.9
40°-50°	314.5	13.8
50°-60°	475.3	20.9
60°-70°	586.1	25.8
70°-80°	452.5	19.9
80°-90°	123.6	5.4
90°-100°	33.6	1.5
100°-110°	5.8	0.3
110°-120°	2.3	0.1
120°-130°	1.6	0.1
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2228.5	98.0
0°-180°	2274.0	100.0



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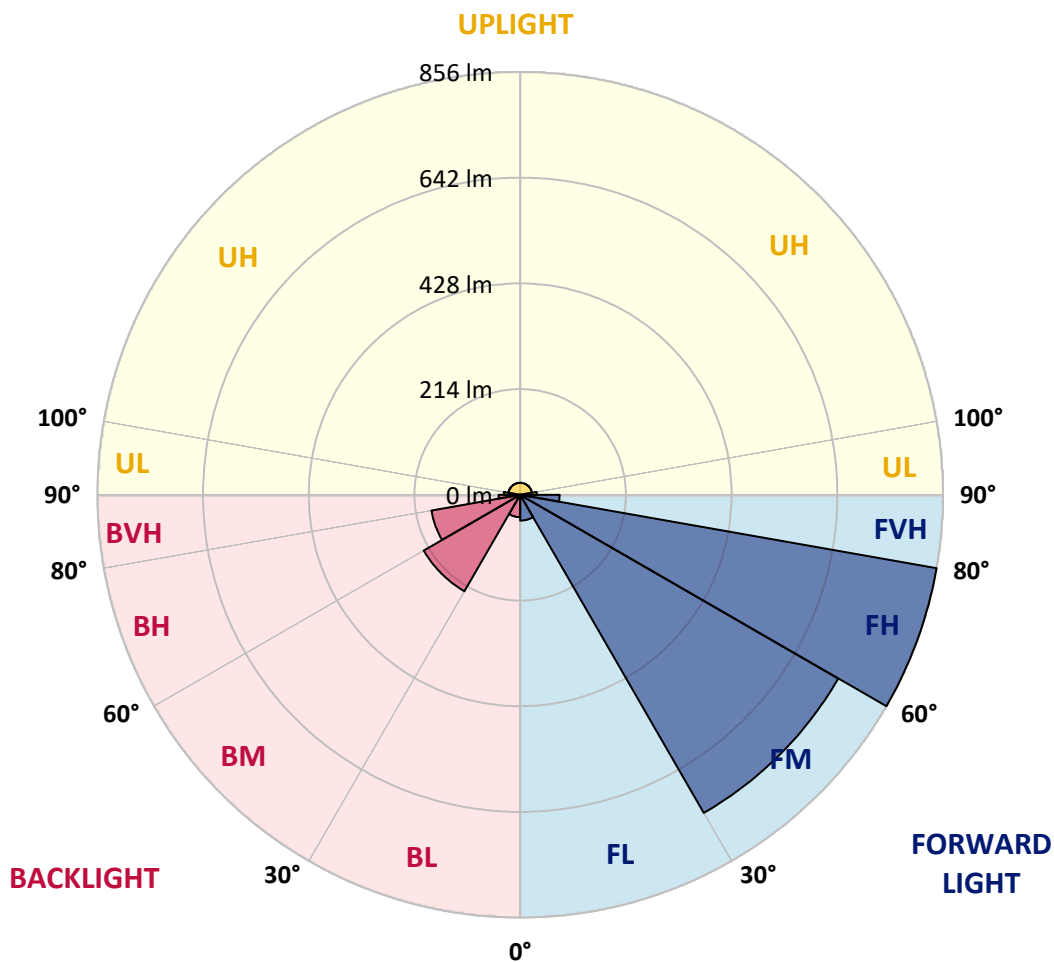
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.2	2.3			
FM	(30°-60°)	743.5	32.7			
FH	(60°-80°)	855.9	37.6			G1/1800
FVH	(80°-90°)	79.8	3.5			G1/100
BL	(0°-30°)	45.2	2.0	B0/110		
BM	(30°-60°)	225.4	9.9	B1/1000		
BH	(60°-80°)	182.6	8.0	B1/500		G1/500
BVH	(80°-90°)	43.8	1.9			G1/100
UL	(90°-100°)	33.6	1.5		U2/50	
UH	(100°-180°)	24.3	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.0	2.8	2.5	2.5	2.8	2.5	2.3	2.0	1.8	1.8	1.5
5°	28.2	27.5	27.2	21.9	10.1	7.8	3.5	2.8	2.3	1.8	1.5
7.5°	31.3	31.0	30.8	30.8	30.3	28.7	16.4	8.1	4.5	2.3	2.0
10°	35.8	35.3	33.8	33.0	32.3	31.8	29.5	28.0	12.6	3.8	3.3
12.5°	63.8	62.8	61.3	45.4	38.8	34.3	33.5	32.3	28.0	11.6	23.4
15°	68.6	68.3	67.3	66.6	64.5	42.9	51.9	59.2	67.1	54.7	61.0
17.5°	86.2	83.7	77.1	73.4	72.1	78.7	75.1	76.4	76.4	73.6	69.8
20°	128.8	127.1	123.8	109.2	82.2	101.3	99.3	84.4	87.0	107.6	125.0
22.5°	155.3	153.5	146.7	137.4	135.6	112.7	117.2	128.1	131.1	151.0	150.7
25°	210.7	207.5	192.8	165.4	168.9	145.5	163.6	161.1	153.3	166.4	170.9
27.5°	257.4	254.6	247.5	233.7	195.9	203.4	186.0	182.8	203.7	240.5	239.7
30°	308.8	293.7	274.8	270.5	242.5	230.7	235.2	246.0	253.8	257.4	266.2
32.5°	374.6	372.8	358.7	303.0	294.2	263.7	285.4	270.5	276.5	327.5	357.7
35°	420.2	424.8	399.8	366.5	324.7	323.9	314.9	329.7	358.7	365.8	386.7
37.5°	526.6	527.9	505.4	410.4	383.2	357.0	385.2	389.2	397.3	409.4	427.0
40°	606.8	595.4	567.7	497.1	437.9	409.4	429.6	429.0	446.7	468.9	480.0
42.5°	705.6	693.0	643.3	563.4	508.0	476.4	478.5	474.2	488.8	523.8	530.6
45°	788.5	783.0	744.7	660.5	585.3	547.5	533.9	528.6	535.9	580.0	583.8
47.5°	866.9	852.0	827.1	741.9	697.8	629.0	589.9	577.3	579.5	629.7	640.8
50°	949.9	924.9	894.1	819.3	787.3	731.3	654.2	634.5	635.3	681.6	700.5
52.5°	999.0	959.4	939.5	877.5	845.2	817.3	721.5	687.4	691.0	734.8	763.6
55°	968.5	956.7	957.2	920.1	896.2	863.4	786.8	748.7	752.7	804.2	840.2
57.5°	917.1	926.2	958.2	956.7	943.3	911.3	851.8	816.3	839.4	882.5	920.6
60°	877.5	887.8	939.8	966.5	991.4	968.0	919.1	903.7	925.4	963.0	1008.6
62.5°	811.5	819.8	891.1	961.7	990.2	1016.4	983.1	997.0	1016.9	1048.7	1104.1
65°	721.2	719.2	807.9	917.8	981.9	1043.4	1065.6	1091.0	1109.2	1143.2	1193.6
67.5°	614.6	624.7	699.3	823.3	949.4	1057.0	1134.9	1181.5	1192.9	1206.0	1242.3
70°	501.9	501.4	566.7	698.5	879.5	1049.4	1200.7	1241.0	1241.3	1233.5	1244.3
72°	382.7	374.6	425.0	537.4	763.8	1008.8	1234.5	1262.7	1253.4	1230.2	1190.6
72.5°	328.5	335.8	383.2	506.2	711.9	988.7	1238.0	1262.4	1252.4	1226.9	1174.5
75°	166.6	156.0	183.0	271.2	491.1	798.9	1212.5	1237.7	1209.5	1177.7	1029.8
77.5°	65.3	67.1	77.6	117.2	239.0	526.1	1046.7	1101.6	1083.5	1061.0	812.2
80°	45.9	45.9	51.9	66.8	122.5	213.8	725.2	805.2	833.1	844.2	543.2
82.5°	33.3	33.8	39.6	46.6	87.5	102.6	356.2	447.5	491.6	532.9	303.8
85°	31.0	31.0	31.8	31.3	62.5	73.1	129.6	191.1	220.8	258.9	122.8
87.5°	14.6	15.9	23.4	18.7	30.8	45.1	70.6	76.6	78.4	89.0	88.2
90°	9.6	9.6	7.8	8.1	15.1	36.6	56.7	58.0	55.7	65.3	82.2
92.5°	9.8	10.1	7.3	7.6	11.8	33.5	58.2	59.2	57.5	68.6	87.2
95°	9.1	9.1	6.3	6.6	9.3	25.7	58.2	59.2	54.2	68.3	87.2
97.5°	7.6	7.8	5.0	5.3	7.3	12.6	40.3	43.4	34.5	34.8	42.6
100°	6.6	6.6	4.0	4.3	5.3	5.8	20.4	21.4	19.2	8.6	5.8
102.5°	6.6	6.6	3.5	3.5	3.5	3.3	6.3	10.6	8.8	5.0	5.5
105°	6.3	6.6	3.3	2.8	2.8	2.5	3.3	4.0	4.0	4.0	5.8
107.5°	5.0	5.3	2.5	2.5	2.3	2.3	1.8	1.8	2.5	3.8	6.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.0	4.0	2.0	2.3	1.8	2.0	1.5	1.5	2.3	2.8	4.8
112.5°	2.3	2.3	1.5	1.8	1.5	1.8	1.5	1.5	1.8	2.3	3.0
115°	2.0	2.0	1.3	1.3	1.3	1.3	1.3	1.3	1.5	2.0	3.3
117.5°	2.0	2.0	1.3	1.3	1.3	1.0	1.0	1.3	1.3	2.0	3.3
120°	2.0	2.0	1.3	1.3	1.0	1.0	1.0	1.3	1.3	2.0	3.3
122.5°	2.3	2.0	1.3	1.0	1.0	1.0	1.0	1.0	1.3	1.8	3.3
125°	2.3	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.3	1.8	2.8
127.5°	2.3	2.3	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.5
130°	2.3	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.3
132.5°	2.0	2.0	1.5	1.0	1.3	1.0	1.0	1.0	1.0	1.3	1.8
135°	1.8	1.8	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0	1.5
137.5°	1.8	1.8	1.5	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.3
140°	1.8	1.8	1.5	1.5	1.5	1.3	1.0	1.0	1.0	1.3	1.3
142.5°	2.0	2.0	1.8	1.5	1.5	1.3	1.0	1.0	1.3	1.3	1.3
145°	2.3	2.3	2.0	1.8	1.5	1.0	1.0	1.3	1.3	1.3	1.5
147.5°	2.3	2.3	2.0	1.5	1.3	1.0	1.0	1.3	1.3	1.5	1.5
150°	2.0	2.0	1.8	1.3	1.0	0.8	1.0	1.0	1.3	1.5	1.5
152.5°	1.5	1.5	1.3	1.0	0.8	0.5	0.8	1.0	1.0	1.3	1.5
155°	1.0	1.0	0.8	0.5	0.5	0.5	0.8	0.8	0.8	1.0	1.3
157.5°	0.5	0.5	0.3	0.3	0.5	0.5	0.5	0.8	0.8	0.8	1.0
160°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.8	0.8	0.8	0.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	2.0	2.3
5°	1.5	1.5	1.5	1.5	1.8	2.0	2.3	2.5	2.8	3.0	3.0
7.5°	1.8	1.8	1.8	2.0	2.3	2.8	6.3	22.2	30.3	33.0	32.3
10°	3.3	3.3	3.0	3.0	3.5	29.5	37.6	40.8	42.6	44.6	44.6
12.5°	26.2	30.3	10.8	6.1	29.2	41.3	44.4	46.6	48.1	50.2	50.2
15°	63.3	64.3	66.0	59.5	57.5	46.9	48.9	66.3	87.2	92.8	93.3
17.5°	71.1	72.3	73.6	87.2	92.8	71.8	82.7	93.0	95.0	97.1	97.1
20°	135.6	137.6	111.7	100.1	97.8	121.8	93.5	96.0	99.6	117.5	119.2
22.5°	153.8	155.0	145.2	151.5	110.9	127.3	123.0	123.0	137.6	138.6	138.9
25°	172.4	179.5	160.8	155.8	157.8	128.8	145.2	131.1	133.1	134.6	134.9
27.5°	251.6	250.6	235.4	178.2	158.3	156.0	140.9	129.3	151.3	157.0	157.3
30°	267.5	264.9	251.3	208.7	164.4	154.5	132.8	149.5	145.5	146.2	146.5
32.5°	367.8	363.8	325.2	211.2	171.7	142.7	144.2	139.2	139.7	155.3	155.8
35°	393.0	387.5	333.3	244.3	163.6	144.7	133.4	139.7	142.2	141.4	141.4
37.5°	426.8	416.2	330.7	229.6	170.2	135.4	127.6	131.8	130.3	139.9	139.4
40°	463.6	448.7	332.0	213.0	154.3	127.1	122.3	126.0	125.0	122.3	120.2
42.5°	510.5	484.8	331.7	199.1	139.7	124.3	115.5	115.2	110.9	106.4	104.9
45°	558.4	522.8	332.8	183.3	128.6	122.0	111.7	105.6	101.8	97.1	95.8
47.5°	610.8	563.4	335.8	170.7	120.0	115.2	106.9	99.6	96.8	90.8	90.2
50°	672.8	606.0	336.8	160.6	109.9	109.2	103.4	95.3	91.0	85.0	84.4
52.5°	739.6	651.1	338.5	145.7	102.1	106.9	105.4	94.3	92.5	84.7	84.2
55°	802.9	694.0	338.0	127.8	98.6	104.9	105.4	100.8	98.1	85.2	84.2
57.5°	879.0	740.4	330.5	111.2	93.0	101.8	110.4	106.6	103.6	93.0	91.0
60°	947.1	788.3	308.0	98.3	88.2	98.6	114.7	110.9	102.3	95.5	93.5
62.5°	1026.7	829.6	276.8	89.0	86.5	99.6	116.2	113.7	103.1	100.8	100.1
65°	1080.7	845.2	229.4	81.4	86.2	99.6	115.7	116.2	108.6	110.9	110.7
67.5°	1087.2	825.1	173.9	75.6	83.2	99.6	115.0	121.3	113.7	123.0	123.5
70°	1055.7	774.7	126.8	69.8	79.9	98.3	115.2	124.5	117.5	132.1	131.1
72°	983.1	698.3	102.6	66.0	77.1	96.3	117.0	126.3	120.7	134.4	132.1
72.5°	964.2	674.8	98.1	65.5	76.6	96.0	117.5	126.8	121.0	136.6	133.9
75°	806.9	537.4	84.2	61.8	77.4	94.8	120.0	126.5	122.5	138.1	138.6
77.5°	611.3	362.2	74.6	58.5	77.1	92.5	119.2	124.5	120.2	132.8	135.6
80°	378.4	210.7	66.3	58.2	76.6	91.5	116.0	119.2	113.9	124.0	124.8
82.5°	207.0	123.3	57.5	57.2	74.4	88.7	109.7	113.2	108.1	119.2	111.4
85°	105.9	83.7	43.1	46.9	65.0	83.4	102.3	102.1	97.1	101.1	95.5
87.5°	81.7	65.8	28.0	33.8	53.2	68.8	84.2	83.4	76.9	77.4	75.1
90°	75.1	58.7	18.4	23.9	44.4	49.4	58.5	56.2	51.7	52.7	51.9
92.5°	75.6	58.0	17.6	25.5	42.6	44.4	53.7	50.9	46.4	46.9	45.4
95°	73.9	55.7	17.6	22.4	35.3	31.5	38.6	37.6	33.8	32.0	31.3
97.5°	35.3	27.7	16.4	16.6	19.9	17.1	23.4	25.2	20.2	16.1	16.1
100°	6.1	9.3	14.4	16.9	14.4	10.8	14.9	17.1	11.6	5.3	5.8
102.5°	6.1	5.8	11.1	14.4	10.3	5.8	8.6	11.3	7.3	4.0	4.3
105°	6.6	6.1	5.3	9.8	6.1	3.0	3.3	5.8	4.0	4.0	4.0
107.5°	7.1	6.6	3.8	3.8	3.0	2.8	2.5	2.3	2.8	4.0	4.3



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.3	5.3	3.5	3.0	2.8	2.8	2.0	2.0	2.8	4.3	4.3
112.5°	3.8	3.8	3.0	2.5	2.3	2.8	2.0	2.0	2.5	4.3	4.5
115°	3.8	3.8	2.8	2.3	2.0	2.3	2.0	1.8	2.5	4.3	4.5
117.5°	3.8	3.8	2.8	2.0	1.8	1.8	1.5	1.8	2.5	4.3	4.5
120°	3.8	3.8	2.8	2.0	1.8	1.5	1.5	1.5	2.5	4.3	4.5
122.5°	3.5	3.5	2.5	1.8	1.5	1.3	1.3	1.5	2.3	4.0	4.3
125°	3.3	3.3	2.3	1.8	1.5	1.3	1.3	1.3	2.3	3.8	4.0
127.5°	3.0	3.0	2.3	1.5	1.3	1.3	1.3	1.3	2.0	3.5	3.8
130°	2.5	2.5	2.0	1.5	1.3	1.0	1.3	1.3	2.0	3.3	3.3
132.5°	2.0	2.0	1.5	1.3	1.3	1.0	1.0	1.3	1.8	2.8	3.0
135°	1.5	1.5	1.5	1.3	1.3	1.0	1.0	1.0	1.5	2.3	2.5
137.5°	1.3	1.5	1.3	1.3	1.3	1.0	1.0	1.0	1.5	2.0	2.0
140°	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.5	1.8	2.0
142.5°	1.3	1.5	1.3	1.3	1.3	1.0	1.0	1.3	1.5	2.0	2.0
145°	1.5	1.5	1.5	1.3	1.3	0.8	0.8	1.3	1.5	2.0	2.0
147.5°	1.5	1.5	1.5	1.3	1.0	0.8	0.8	1.0	1.5	2.0	2.0
150°	1.5	1.5	1.5	1.3	1.0	0.5	0.5	1.0	1.3	1.8	2.0
152.5°	1.5	1.5	1.3	1.3	0.8	0.5	0.3	0.8	1.0	1.5	1.5
155°	1.3	1.3	1.3	1.0	0.8	0.3	0.0	0.3	0.8	1.3	1.3
157.5°	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.3	0.3	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.3	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)