

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: P414456

Luminaire Tested: **LXF.LXT-PA1-20-830-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-830-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2098 lumens  
Efficiency: N/A  
Efficacy: 99.9 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 - G1

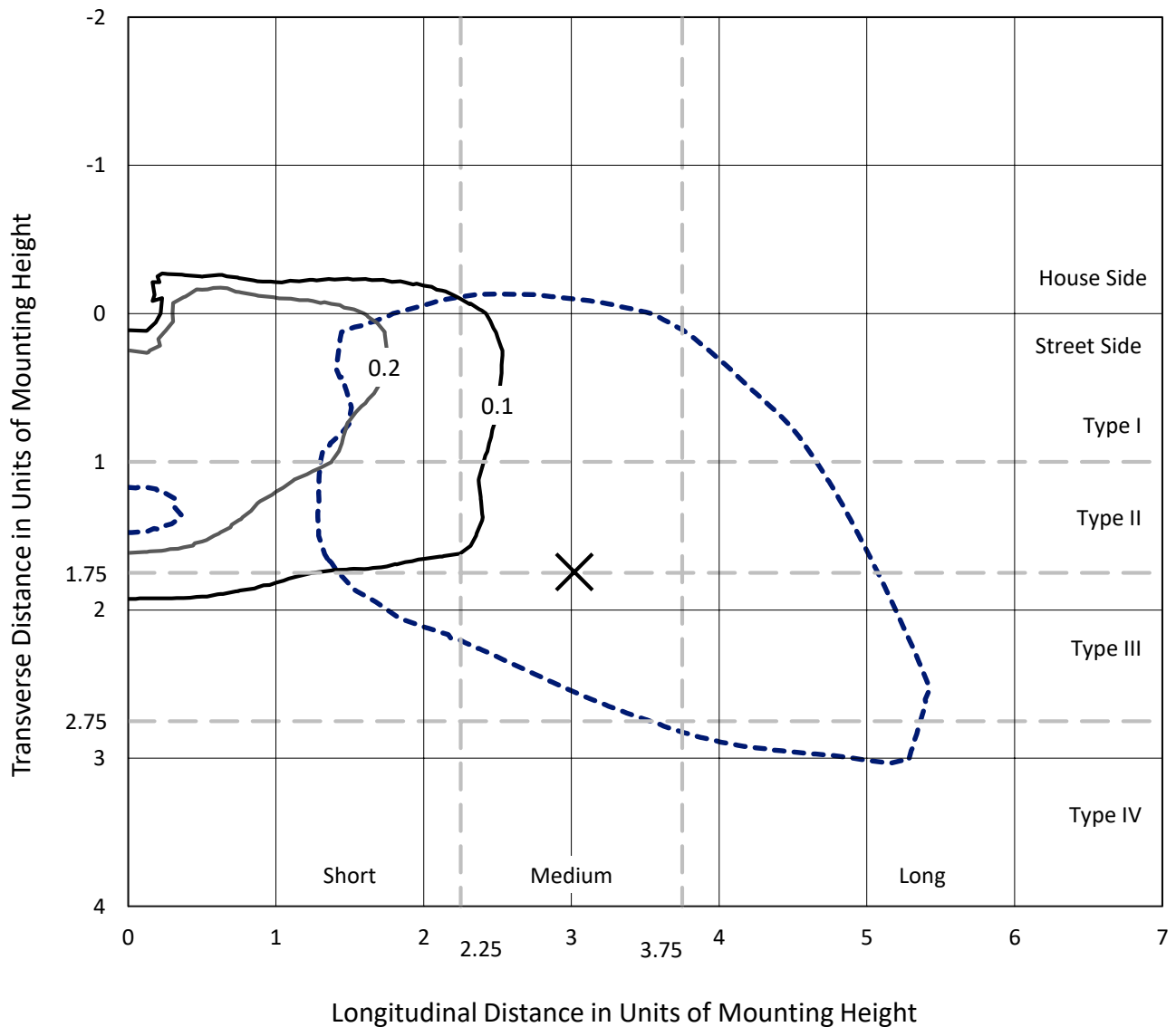
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

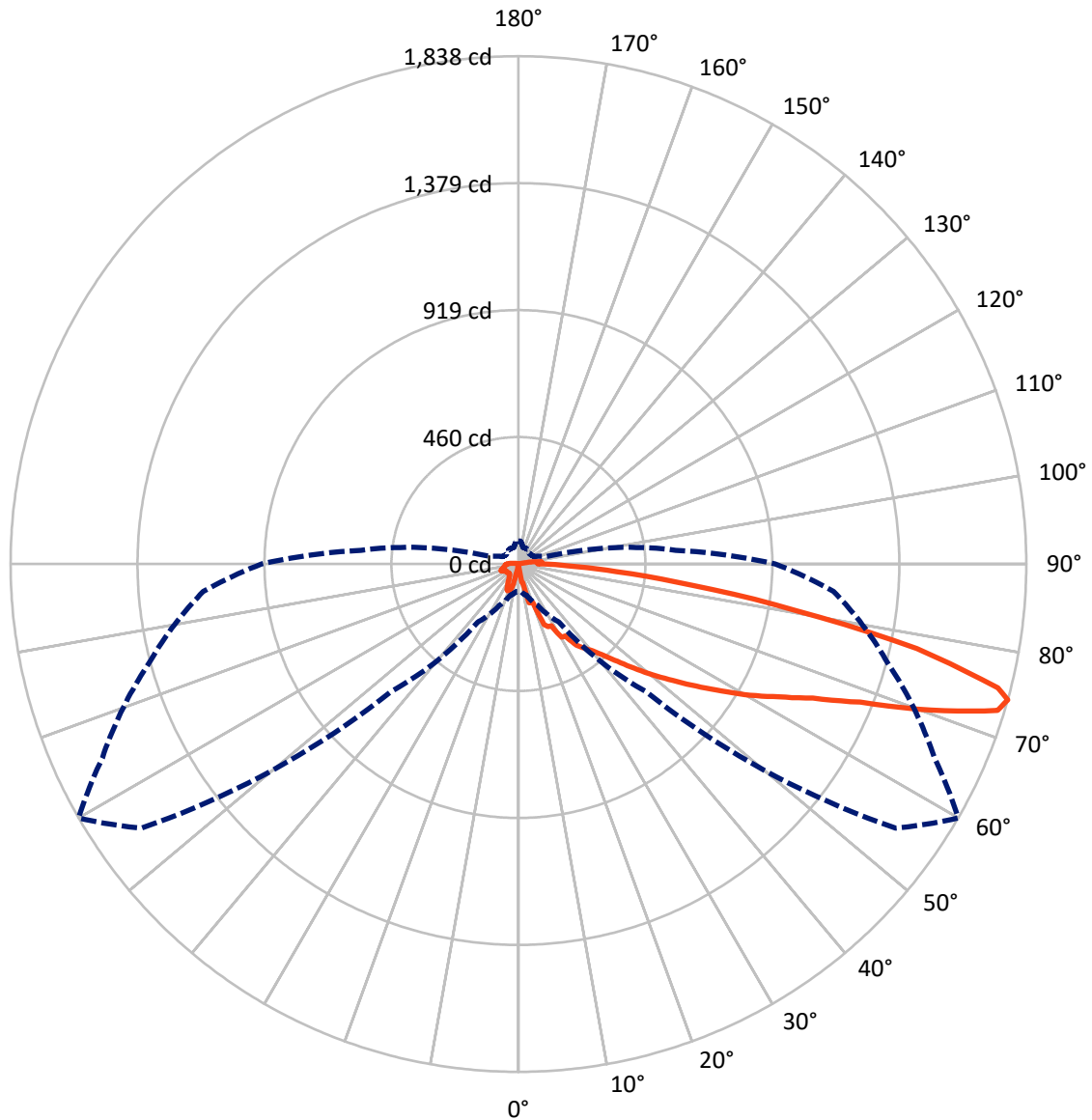
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



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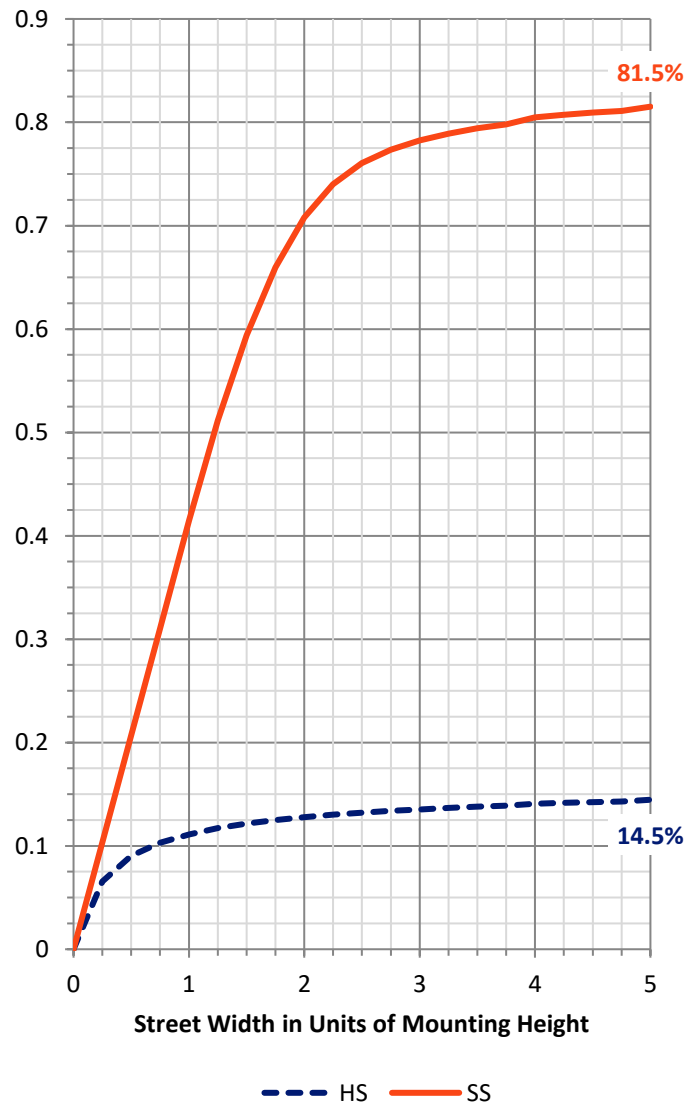
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	322.0	20.4	342.4
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	1733.8	21.9	1755.7
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	2055.7	42.3	2098.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	26.8	1.3
20°-30°	81.1	3.9
30°-40°	162.4	7.7
40°-50°	278.6	13.3
50°-60°	424.7	20.2
60°-70°	523.3	24.9
70°-80°	437.4	20.9
80°-90°	119.1	5.7
90°-100°	30.8	1.5
100°-110°	5.5	0.3
110°-120°	2.0	0.1
120°-130°	1.6	0.1
130°-140°	1.1	0.1
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°	2055.7	98.0
0°-180°	2098.0	100.0



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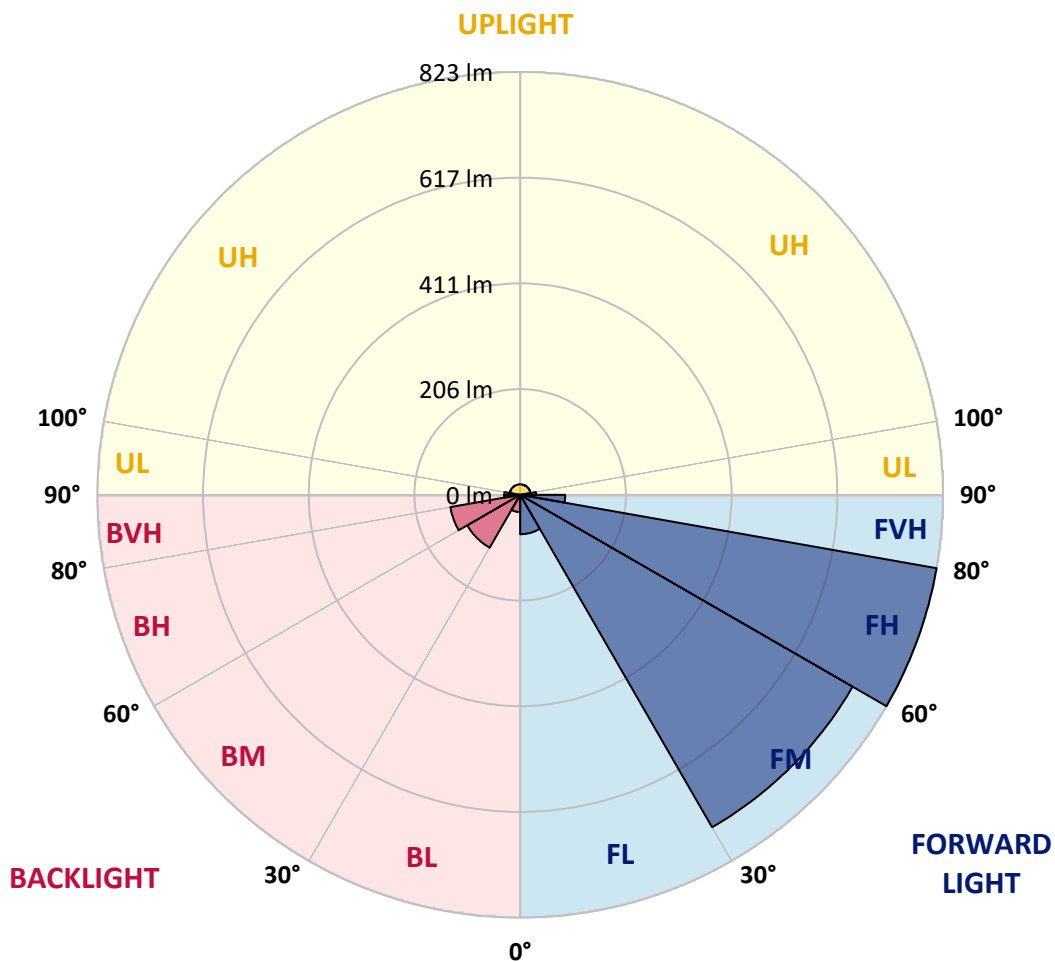
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.6	3.7			
FM	(30°-60°)	746.9	35.6			
FH	(60°-80°)	822.7	39.2			G1/1800
FVH	(80°-90°)	87.6	4.2			G1/100
BL	(0°-30°)	33.6	1.6	B0/110		
BM	(30°-60°)	118.8	5.7	B0/220		
BH	(60°-80°)	138.0	6.6	B1/500		G1/500
BVH	(80°-90°)	31.6	1.5			G1/100
UL	(90°-100°)	30.8	1.5		U2/50	
UH	(100°-180°)	20.4	1.0		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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.6	2.4	2.2	2.4	2.6	2.4	1.9	1.7	1.4	1.4	1.4
5°	69.9	69.0	68.5	53.4	12.7	7.9	3.1	2.2	1.9	1.4	1.4
7.5°	70.9	69.9	70.2	69.9	68.7	68.7	22.3	8.1	4.6	1.7	1.7
10°	74.7	73.3	71.4	71.1	70.7	69.9	68.7	67.3	15.3	2.6	2.4
12.5°	137.9	137.2	136.3	105.1	76.2	70.9	70.2	68.5	52.7	10.1	46.5
15°	137.0	136.8	135.1	135.8	135.6	77.1	87.4	145.9	140.1	101.5	117.1
17.5°	143.7	143.0	137.9	134.8	135.1	154.0	143.0	143.9	144.4	128.4	125.5
20°	194.9	193.8	193.3	187.8	137.2	180.8	184.4	149.4	153.0	199.3	222.7
22.5°	197.3	195.7	193.8	192.3	216.5	180.1	194.9	238.1	227.3	263.7	248.6
25°	266.6	262.0	243.1	196.9	216.3	207.4	252.2	251.0	237.6	275.2	265.8
27.5°	288.6	285.5	271.6	261.0	220.6	248.4	250.8	253.4	298.9	379.6	353.7
30°	386.5	362.4	299.8	293.4	263.2	250.5	286.7	307.3	336.3	381.3	374.1
32.5°	442.6	430.9	400.7	354.5	308.2	274.0	310.9	310.9	337.9	460.8	473.0
35°	533.4	495.5	436.6	405.2	351.6	327.9	320.4	360.9	399.5	484.0	483.3
37.5°	566.2	562.6	540.5	444.3	413.4	356.6	373.6	386.1	418.6	517.5	516.1
40°	584.1	592.0	593.7	528.6	459.1	411.9	405.9	412.9	444.3	564.7	546.5
42.5°	645.0	647.8	656.7	582.5	527.6	472.3	455.5	452.6	474.4	619.6	586.8
45°	743.2	744.6	738.1	644.5	583.4	532.2	513.5	502.5	521.6	673.9	637.8
47.5°	855.7	859.1	827.9	714.7	634.2	589.9	579.8	562.8	575.0	723.0	701.2
50°	945.3	944.3	888.8	771.4	685.4	649.0	645.9	630.1	631.5	782.7	769.7
52.5°	968.5	967.1	919.7	813.3	732.1	710.6	724.7	700.3	687.6	844.5	840.9
55°	933.5	936.2	913.9	830.8	761.8	764.7	801.3	780.3	763.0	902.9	908.6
57.5°	883.0	879.9	883.3	837.5	785.1	817.6	892.6	866.3	849.7	969.0	975.5
60°	789.4	785.1	828.4	830.3	806.6	877.5	989.6	964.0	940.7	1038.7	1031.7
62.5°	646.9	641.4	719.7	786.3	831.3	947.7	1085.4	1057.6	1035.1	1112.7	1099.5
65°	430.6	456.7	548.4	690.0	822.2	1048.7	1212.1	1170.4	1129.5	1188.6	1186.2
67.5°	249.8	268.5	335.8	490.7	747.2	1135.2	1413.0	1334.0	1263.3	1274.6	1269.1
70°	155.0	160.7	189.9	283.1	526.6	1106.7	1635.7	1584.7	1435.1	1370.4	1282.0
72.5°	120.2	124.1	140.8	184.9	320.2	856.0	1741.6	1813.2	1608.4	1395.5	1218.3
74°	98.4	100.8	118.3	165.5	257.0	652.6	1666.4	1838.1	1661.6	1383.3	1145.0
75°	77.8	80.2	99.9	158.8	244.3	520.7	1555.0	1791.9	1663.3	1364.4	1056.6
77.5°	47.7	49.3	53.9	109.7	222.0	297.5	1147.4	1475.0	1474.1	1133.0	757.8
80°	37.8	38.3	40.2	57.7	180.8	269.7	726.6	1018.1	1010.7	680.2	388.2
82.5°	26.1	28.0	31.9	37.4	96.3	264.2	458.2	632.5	545.6	258.9	162.4
85°	17.5	18.9	24.2	27.8	51.5	281.2	328.8	355.9	268.5	128.1	107.1
87.5°	7.2	7.4	11.0	13.4	20.8	134.8	221.3	176.3	123.6	81.2	87.2
90°	3.8	3.8	2.9	3.1	7.7	29.0	72.3	70.2	58.2	66.8	81.9
92.5°	4.3	4.3	2.9	3.1	7.4	22.8	78.3	80.0	66.8	71.1	87.7
95°	4.8	4.8	2.9	2.9	7.2	15.6	75.2	84.5	68.7	74.7	88.4
97.5°	5.3	5.5	2.6	2.6	5.7	11.7	47.2	57.7	44.8	38.8	42.4
100°	5.5	5.5	2.4	2.4	3.8	8.4	21.8	27.8	21.6	10.1	6.9
102.5°	5.5	5.7	2.4	2.2	2.6	5.3	6.9	10.1	7.9	6.0	6.5
105°	5.3	5.7	2.4	2.2	2.2	2.9	3.6	4.1	4.3	4.3	6.7
107.5°	4.1	4.6	1.9	2.2	1.9	1.9	1.4	1.7	2.2	3.8	6.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.9	2.9	1.4	1.9	1.7	1.9	1.2	1.4	1.9	2.9	5.5
112.5°	1.4	1.2	1.0	1.4	1.4	1.7	1.2	1.2	1.7	2.4	3.8
115°	1.0	1.2	0.7	1.0	1.2	1.2	1.0	1.2	1.4	2.4	4.1
117.5°	1.0	1.0	0.7	1.0	1.2	1.0	1.0	1.2	1.4	2.4	4.1
120°	1.2	1.0	0.7	1.0	1.0	0.7	1.0	1.2	1.2	2.4	4.1
122.5°	1.2	1.2	1.0	1.0	1.0	0.7	1.0	1.0	1.2	2.4	3.8
125°	1.4	1.2	1.0	1.0	1.0	0.7	1.0	1.0	1.2	2.2	3.6
127.5°	1.4	1.4	1.0	1.0	1.2	0.7	1.0	1.0	1.2	1.9	3.4
130°	1.4	1.4	1.2	1.0	1.2	1.0	1.0	1.0	1.2	1.7	2.9
132.5°	1.4	1.4	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.4	2.4
135°	1.7	1.4	1.2	1.2	1.4	1.0	1.0	1.0	1.0	1.2	1.7
137.5°	1.7	1.7	1.4	1.4	1.7	1.2	1.0	1.2	1.2	1.2	1.4
140°	1.9	1.9	1.9	1.7	1.7	1.2	1.2	1.2	1.2	1.4	1.4
142.5°	2.4	2.2	2.2	1.9	1.7	1.2	1.2	1.2	1.4	1.4	1.4
145°	2.6	2.6	2.4	2.2	1.7	1.2	1.2	1.4	1.4	1.7	1.7
147.5°	2.6	2.6	2.4	1.9	1.4	1.0	1.2	1.4	1.4	1.7	1.9
150°	2.6	2.4	2.2	1.7	1.2	0.7	1.0	1.2	1.4	1.7	1.9
152.5°	1.9	1.9	1.7	1.2	1.0	0.5	0.7	1.0	1.2	1.4	1.7
155°	1.2	1.2	1.0	0.7	0.7	0.5	0.7	1.0	1.0	1.2	1.4
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	1.0	1.0
160°	0.2	0.2	0.5	0.2	0.5	0.5	0.5	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	1.4	1.2	1.2	0.7	1.0	1.0	1.2	1.4	1.7
5°	1.4	1.7	1.4	1.2	1.2	1.0	1.2	1.2	1.2	1.7	1.7
7.5°	1.7	1.7	1.4	1.4	1.2	1.0	1.7	51.7	59.4	61.3	61.8
10°	2.2	2.2	1.9	1.7	1.4	55.8	61.6	61.6	61.1	61.6	61.6
12.5°	47.7	51.3	8.1	4.1	46.0	58.0	56.5	55.6	54.6	53.6	53.2
15°	115.9	112.3	103.0	77.4	71.4	53.2	48.9	67.8	72.3	73.5	73.3
17.5°	122.4	116.6	102.5	107.5	94.4	68.0	61.3	60.8	58.2	58.2	58.4
20°	230.2	217.0	139.9	104.9	81.9	82.4	52.4	46.7	48.9	52.0	53.9
22.5°	236.4	219.1	163.6	136.5	73.8	66.6	51.3	45.3	61.1	67.3	67.8
25°	252.2	224.6	165.7	115.0	83.3	54.6	51.0	47.2	56.0	61.8	61.3
27.5°	341.5	303.0	210.5	105.9	65.9	51.5	48.1	45.3	55.8	65.1	64.9
30°	341.0	298.6	194.5	97.5	54.4	47.9	43.8	49.3	52.0	55.6	55.8
32.5°	442.8	379.6	212.7	80.9	48.1	41.4	43.3	45.0	47.2	56.3	58.2
35°	445.0	371.2	184.7	74.2	44.3	39.5	40.7	44.5	49.1	54.8	55.3
37.5°	453.6	366.9	153.3	61.3	45.5	40.0	42.4	46.7	45.5	53.4	54.4
40°	469.4	368.1	128.8	54.8	44.8	40.0	44.3	45.0	45.3	49.3	49.8
42.5°	493.8	374.6	108.3	52.0	44.1	43.3	42.9	43.1	41.4	49.6	50.5
45°	528.6	388.0	92.4	51.0	44.1	50.5	44.8	43.1	39.5	57.0	61.1
47.5°	579.8	414.3	83.1	51.3	44.3	48.4	44.3	41.9	41.2	66.6	69.5
50°	637.8	444.5	76.9	52.2	44.3	47.7	43.6	43.1	45.7	67.5	68.3
52.5°	700.0	484.7	74.7	53.2	47.7	48.4	49.6	49.3	44.1	54.1	54.1
55°	763.3	526.4	75.4	54.4	50.3	49.6	52.9	46.7	37.8	40.2	39.8
57.5°	822.9	575.0	80.5	53.6	48.6	49.1	53.4	43.8	37.8	40.2	41.2
60°	887.6	627.7	94.4	51.7	47.9	47.7	52.7	46.2	37.8	46.2	46.5
62.5°	966.4	700.3	124.5	53.6	51.7	49.1	52.9	51.0	43.3	44.3	45.3
65°	1059.5	775.2	153.3	61.1	54.6	49.3	52.2	53.6	49.1	47.4	47.2
67.5°	1127.8	793.7	154.5	70.9	58.4	52.0	52.7	58.4	53.6	54.6	54.1
70°	1110.5	743.4	133.9	75.0	60.8	54.1	54.1	60.6	56.5	64.9	65.1
72.5°	1026.2	645.4	113.0	69.5	57.7	54.8	60.1	62.7	60.1	78.1	77.1
74°	929.5	571.7	103.9	63.2	56.5	54.6	61.8	62.7	62.0	83.3	82.6
75°	855.2	513.7	98.9	59.6	55.8	53.9	62.3	63.0	62.7	84.1	83.8
77.5°	591.1	347.0	86.5	53.2	54.6	53.9	62.0	64.4	66.1	83.6	82.9
80°	303.2	189.9	72.1	50.3	54.1	55.3	61.3	62.3	64.9	79.0	78.3
82.5°	152.1	109.4	52.9	46.2	54.8	60.1	61.6	60.4	61.1	72.8	71.6
85°	98.0	75.7	35.2	38.8	55.8	65.1	61.3	56.3	57.2	63.5	63.0
87.5°	78.8	56.0	21.6	30.2	59.4	59.6	56.0	49.8	48.6	49.8	49.1
90°	72.8	52.0	18.2	28.5	57.5	49.8	45.7	40.7	36.4	36.6	35.2
92.5°	78.3	54.4	19.4	28.3	45.7	35.0	33.5	30.9	25.6	22.8	21.3
95°	77.1	52.2	19.6	23.9	33.5	19.9	23.7	21.8	15.8	12.0	11.3
97.5°	37.1	26.3	17.5	18.7	19.6	15.1	20.1	18.4	11.5	7.4	6.9
100°	6.9	9.8	15.6	17.7	15.6	11.7	15.8	14.1	6.2	3.8	3.6
102.5°	6.7	5.5	11.7	16.0	9.8	6.7	8.6	7.9	4.1	2.9	2.9
105°	6.9	5.5	5.5	11.0	6.0	3.1	2.6	3.8	2.9	2.9	3.1
107.5°	7.2	5.5	3.4	3.6	2.9	2.4	1.9	1.9	2.2	3.1	3.4



REPORT NUMBER: P414456

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.7	4.8	3.1	2.9	2.6	2.4	1.9	1.7	2.2	3.4	3.6
112.5°	4.1	3.8	2.9	2.4	2.2	2.2	1.7	1.4	2.2	3.6	3.8
115°	4.1	3.8	2.4	2.2	1.7	1.9	1.7	1.4	2.2	4.1	4.3
117.5°	4.3	3.6	2.4	1.9	1.4	1.4	1.4	1.4	2.4	4.1	4.3
120°	4.3	3.6	2.4	1.7	1.4	1.2	1.4	1.4	2.4	4.1	4.6
122.5°	4.1	3.6	2.2	1.7	1.4	1.2	1.2	1.2	2.2	4.1	4.3
125°	3.8	3.4	2.2	1.7	1.4	1.0	1.2	1.2	2.2	3.8	4.3
127.5°	3.6	3.1	2.2	1.7	1.2	1.0	1.2	1.2	2.2	3.6	4.1
130°	3.1	2.9	1.9	1.4	1.2	1.0	1.2	1.2	2.2	3.4	3.8
132.5°	2.6	2.4	1.7	1.4	1.2	1.0	1.2	1.0	1.7	3.1	3.4
135°	1.9	1.9	1.7	1.2	1.2	0.7	1.0	1.0	1.4	2.4	2.6
137.5°	1.7	1.7	1.4	1.2	1.2	0.7	1.0	0.7	1.2	1.9	2.2
140°	1.7	1.7	1.4	1.2	1.0	0.7	0.7	0.7	1.0	1.7	1.7
142.5°	1.7	1.7	1.4	1.2	1.0	0.7	0.7	0.7	1.0	1.4	1.7
145°	1.7	1.7	1.7	1.4	1.0	0.7	0.7	0.7	1.0	1.4	1.4
147.5°	1.9	1.9	1.7	1.2	1.0	0.5	0.5	0.7	1.0	1.4	1.4
150°	1.9	1.9	1.7	1.2	1.0	0.5	0.2	0.5	0.7	1.2	1.4
152.5°	1.7	1.7	1.4	1.2	0.7	0.5	0.2	0.5	0.7	1.2	1.2
155°	1.4	1.4	1.2	1.0	0.7	0.2	0.0	0.2	0.5	1.0	1.0
157.5°	1.0	1.2	1.0	0.7	0.5	0.2	0.0	0.2	0.2	0.7	0.7
160°	1.0	1.0	1.0	0.7	0.5	0.2	0.0	0.0	0.2	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)