

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: P414457

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1992 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 IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

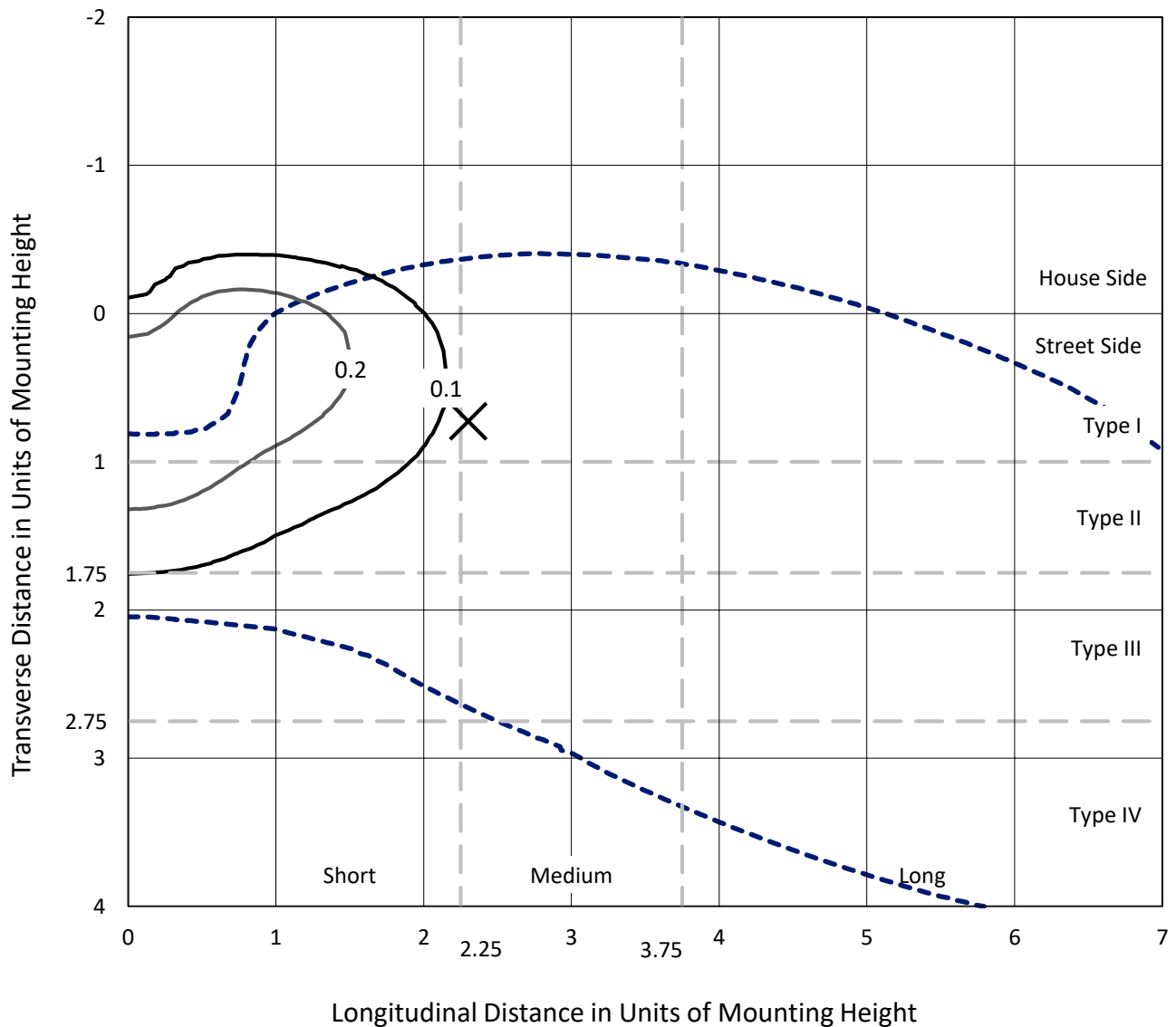
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

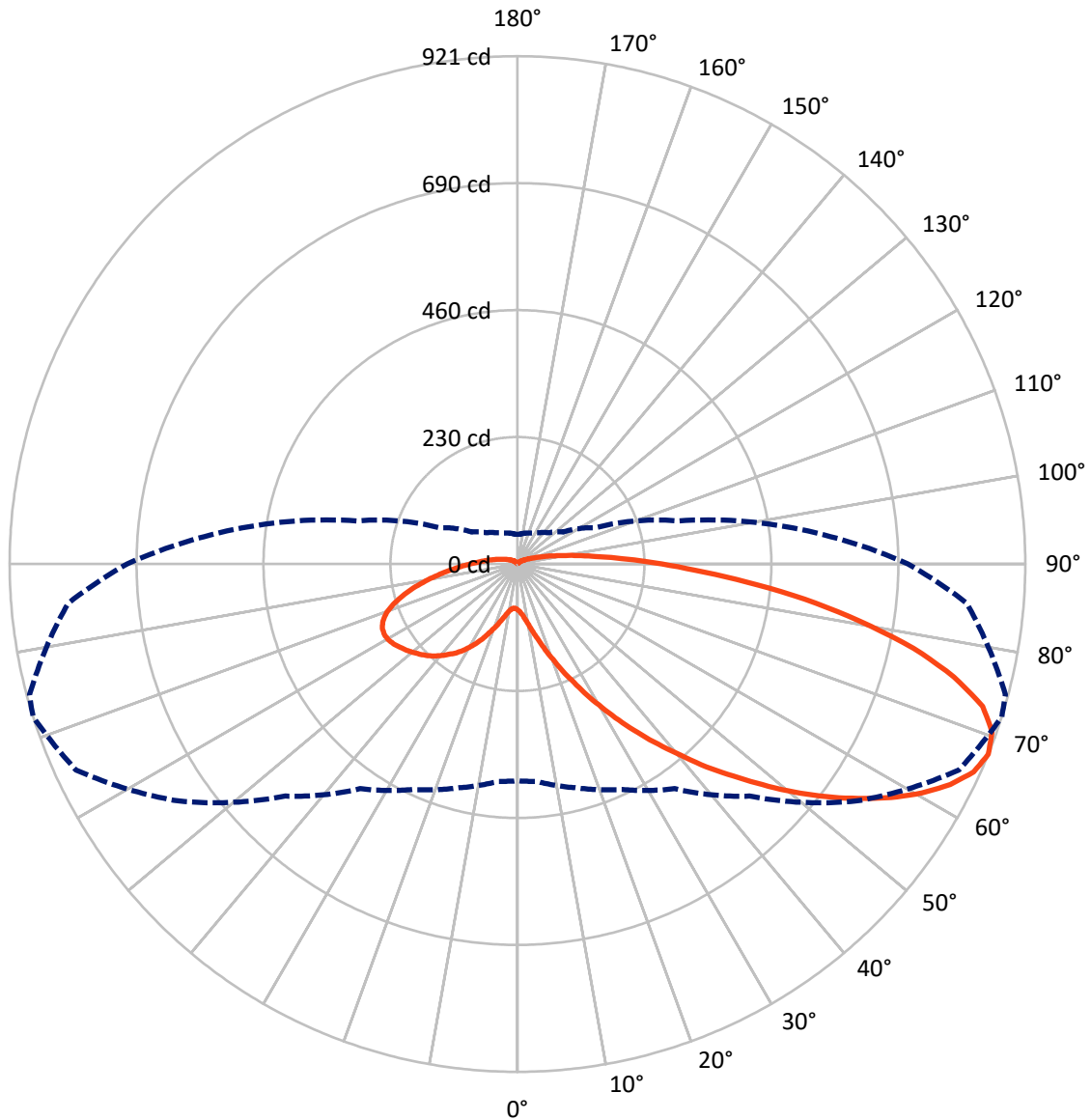
× Max cd  
 - - - 1/2 Max cd



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 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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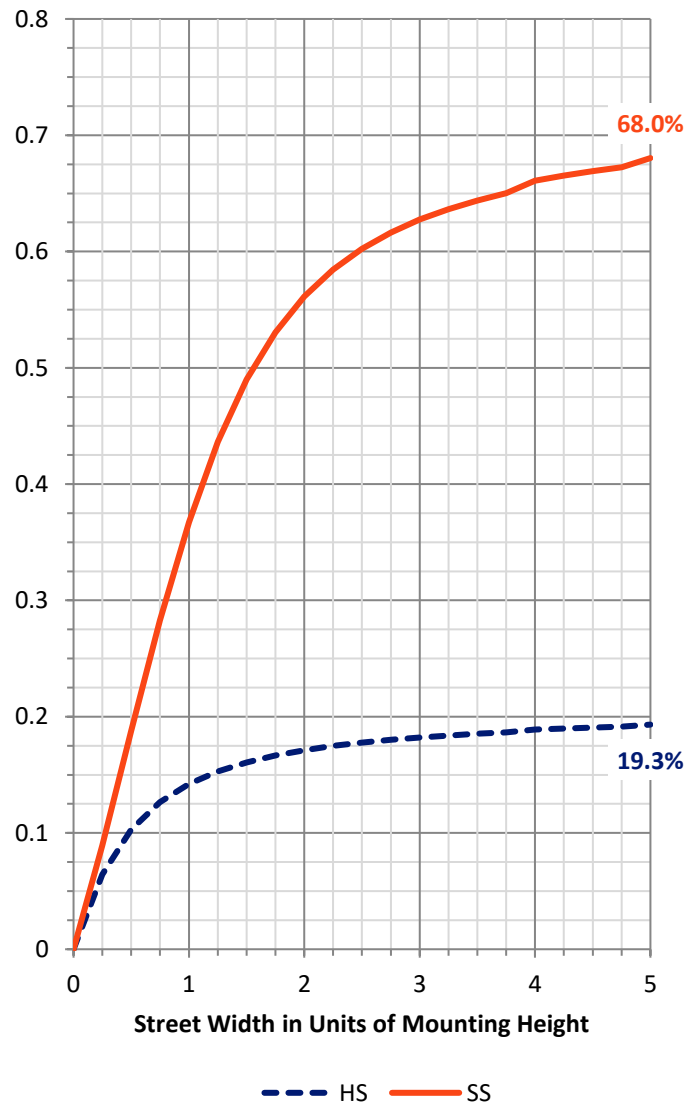
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	404.5	57.5	462.1
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	1418.4	111.5	1529.9
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	1822.9	169.1	1992.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.4
10°-20°	34.0	1.7
20°-30°	82.1	4.1
30°-40°	156.4	7.9
40°-50°	251.8	12.6
50°-60°	348.4	17.5
60°-70°	400.3	20.1
70°-80°	343.6	17.2
80°-90°	197.8	9.9
90°-100°	89.4	4.5
100°-110°	41.1	2.1
110°-120°	20.6	1.0
120°-130°	10.7	0.5
130°-140°	5.1	0.3
140°-150°	1.7	0.1
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1822.9	91.5
0°-180°	1992.0	100.0



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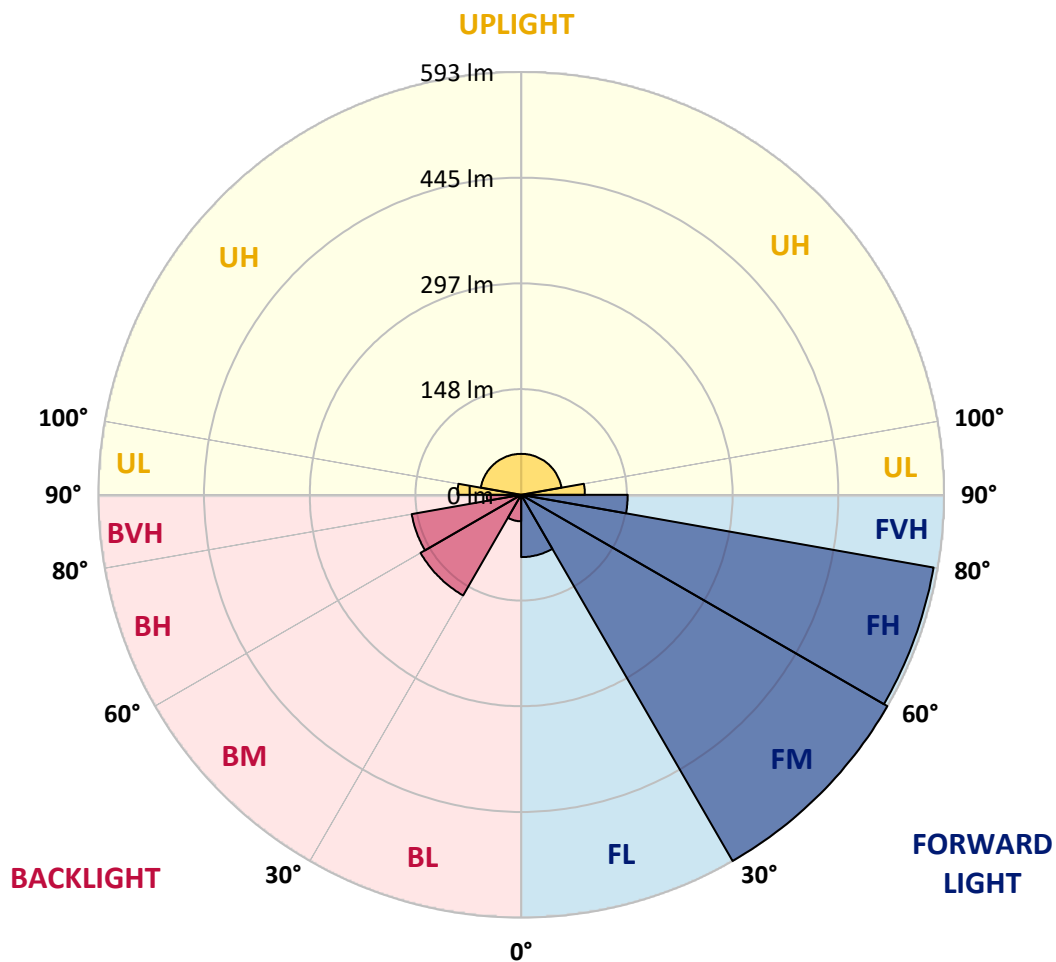
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.5	4.4			
FM	(30°-60°)	593.5	29.8			
FH	(60°-80°)	587.9	29.5			G0/660
FVH	(80°-90°)	149.5	7.5			G2/225
BL	(0°-30°)	37.2	1.9	B0/110		
BM	(30°-60°)	163.1	8.2	B0/220		
BH	(60°-80°)	156.0	7.8	B1/500		G1/500
BVH	(80°-90°)	48.3	2.4			G1/100
UL	(90°-100°)	89.4	4.5		U3/500	
UH	(100°-180°)	57.5	2.9		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2.5°	93.2	92.9	93.2	92.4	91.7	90.3	89.3	87.4	86.5	86.0	84.1
5°	106.3	106.1	105.9	104.9	102.5	100.8	97.9	94.6	92.4	91.5	88.4
7.5°	120.7	120.2	119.7	117.6	115.9	113.0	108.7	104.4	100.8	100.1	94.4
10°	137.0	136.5	135.5	133.9	130.8	126.7	122.9	116.6	112.1	109.9	103.7
12.5°	153.7	154.7	153.5	150.2	146.6	142.7	137.2	131.2	126.4	124.8	115.2
15°	174.1	174.8	173.6	169.8	166.0	160.2	155.9	149.7	143.2	142.3	131.7
17.5°	196.6	196.4	194.0	190.4	187.0	182.5	176.3	170.5	163.3	161.7	148.7
20°	221.0	220.1	217.9	211.9	208.8	203.6	199.7	191.8	184.9	182.5	169.6
22.5°	245.5	245.0	243.1	237.6	233.7	229.2	223.4	216.3	211.5	206.7	192.3
25°	276.1	273.2	270.9	261.0	257.4	253.1	248.1	242.1	237.6	234.9	218.4
27.5°	306.8	304.6	299.1	291.9	285.0	278.0	275.9	270.6	269.2	267.0	248.3
30°	337.2	336.2	330.2	321.1	311.1	304.4	303.2	303.7	301.5	298.9	279.0
32.5°	371.7	369.5	362.8	350.6	340.1	332.2	332.2	335.5	337.4	334.8	313.7
35°	405.4	403.5	395.1	380.1	368.3	358.7	362.6	370.5	375.0	375.0	348.9
37.5°	441.1	436.8	428.2	412.4	396.6	389.6	393.9	407.6	414.3	414.3	388.0
40°	472.3	472.0	460.3	441.4	425.8	415.5	428.7	446.9	455.7	455.0	427.2
42.5°	503.4	503.2	491.9	471.1	451.4	446.2	462.7	488.3	502.7	502.7	467.0
45°	531.4	529.5	519.9	496.9	478.7	476.3	500.8	533.3	548.2	550.6	510.1
47.5°	552.0	550.3	541.9	519.7	502.4	506.7	536.2	577.6	597.7	597.5	554.2
50°	565.9	564.2	557.0	537.9	523.0	533.8	574.8	624.6	649.7	651.6	597.7
52.5°	570.0	569.0	565.2	549.4	539.8	558.2	610.9	672.5	701.0	702.6	645.4
55°	563.0	563.0	562.8	553.2	549.4	580.0	648.3	719.2	750.1	753.2	692.3
57.5°	546.7	547.5	551.8	548.7	554.4	597.5	679.9	761.3	798.7	800.6	734.3
60°	522.1	520.6	530.2	536.0	551.5	608.5	707.9	803.7	842.7	843.5	771.1
62.5°	484.7	485.4	499.3	514.4	541.2	613.1	732.6	840.8	880.3	882.0	799.9
65°	440.6	442.3	461.2	486.6	523.5	608.3	746.7	869.3	908.8	906.7	816.4
67.5°	393.0	395.4	420.1	450.9	497.2	594.9	749.1	883.0	920.6	915.8	817.8
70°	340.8	347.0	371.7	411.9	463.2	569.2	735.2	880.6	912.7	908.1	796.5
72.5°	293.4	297.9	325.0	366.9	425.1	532.1	705.8	853.0	881.8	872.7	752.0
75°	246.2	253.1	278.8	323.5	383.9	486.1	655.7	799.9	817.6	807.8	685.6
77.5°	206.0	212.2	237.6	280.7	338.6	438.0	590.1	719.2	733.8	723.7	601.8
80°	167.9	174.8	199.5	241.9	296.2	381.5	514.9	624.8	630.3	614.5	509.4
82.5°	140.3	143.9	166.9	204.3	254.3	329.0	437.8	524.2	524.5	505.5	413.8
85°	114.7	116.9	137.9	171.7	214.6	278.0	359.5	422.2	417.4	407.1	319.0
87.5°	92.9	95.1	114.0	144.4	180.6	232.1	293.4	332.4	321.1	313.0	247.6
90°	76.2	78.5	94.1	120.5	151.6	191.6	233.5	257.0	246.9	240.7	190.9
92.5°	62.3	64.7	78.3	100.8	128.4	156.9	185.6	196.6	189.7	182.5	143.9
95°	52.7	53.2	65.4	84.3	106.1	126.7	145.4	151.8	142.3	139.6	111.4
97.5°	43.3	44.8	54.4	71.1	88.6	105.6	115.2	118.5	109.9	104.2	85.3
100°	36.9	37.6	46.0	59.4	73.8	86.0	93.4	91.7	84.1	80.7	64.7
102.5°	31.6	32.3	39.0	51.5	62.7	71.6	75.2	72.6	65.4	63.2	50.8
105°	27.8	28.0	33.5	43.6	53.2	60.6	62.0	58.0	51.0	48.1	40.0
107.5°	24.7	24.9	29.2	37.8	46.0	51.0	51.5	46.9	40.2	38.1	32.1
110°	22.0	22.5	25.6	32.8	39.8	43.6	43.1	38.3	32.1	30.2	26.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	19.9	20.4	22.8	28.7	34.5	37.8	36.6	30.9	25.6	24.4	21.8
115°	18.2	18.7	20.6	25.4	30.4	32.8	30.9	25.6	21.1	19.6	18.2
117.5°	17.0	17.2	18.7	22.5	26.3	28.3	26.1	21.3	17.2	16.3	15.6
120°	15.8	16.0	17.2	19.9	23.2	24.2	22.0	17.5	14.4	13.9	13.7
122.5°	14.8	14.8	15.8	17.7	20.1	20.8	18.7	14.6	12.2	11.7	12.0
125°	13.9	13.9	14.4	15.8	17.5	18.0	15.6	12.2	10.3	10.1	10.5
127.5°	12.9	12.9	13.2	14.1	15.1	15.1	12.9	10.1	8.9	8.6	9.3
130°	12.0	12.0	12.0	12.5	12.9	12.7	10.5	8.4	7.7	7.7	8.1
132.5°	11.0	11.0	11.0	11.0	10.8	10.3	8.6	6.7	6.7	6.7	7.2
135°	9.8	9.8	9.8	9.6	9.1	8.4	6.7	5.5	5.5	5.7	6.2
137.5°	8.9	8.9	8.6	8.1	7.4	6.5	5.3	4.3	4.8	4.8	5.3
140°	7.7	7.7	7.4	6.7	5.7	4.8	3.8	3.6	3.8	4.1	4.6
142.5°	6.5	6.5	6.2	5.5	4.6	3.4	2.6	2.6	3.1	3.1	3.6
145°	5.3	5.3	5.0	4.3	3.1	2.2	1.7	1.9	2.4	2.4	2.6
147.5°	4.1	4.1	3.8	3.1	2.2	1.4	1.0	1.4	1.7	1.7	1.9
150°	2.9	2.9	2.6	2.2	1.4	0.7	0.5	0.7	1.0	1.2	1.2
152.5°	1.9	1.9	1.7	1.4	0.7	0.2	0.5	0.7	0.7	0.7	1.0
155°	1.2	1.0	1.0	0.7	0.2	0.0	0.2	0.5	0.5	0.5	0.7
157.5°	0.5	0.5	0.5	0.5	0.2	0.0	0.2	0.2	0.2	0.5	0.5
160°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
162.5°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
165°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
167.5°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
170°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
172.5°	0.0	0.2	0.2	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
175°	0.0	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.0	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2.5°	83.6	82.6	81.2	79.7	78.3	77.4	76.4	75.9	75.2	74.5	74.5
5°	86.5	84.5	81.2	77.8	74.7	72.1	69.4	68.0	67.1	66.1	66.3
7.5°	91.7	88.8	83.3	77.8	72.8	68.5	64.9	62.0	60.1	58.9	59.2
10°	99.1	96.0	87.7	79.7	72.6	66.3	61.3	57.2	54.8	53.6	53.6
12.5°	110.9	105.6	94.6	83.3	73.8	65.4	58.9	54.1	50.8	49.3	49.1
15°	125.0	117.6	104.2	90.3	76.6	65.4	57.0	53.6	51.5	50.5	50.3
17.5°	141.8	133.6	115.2	96.8	80.5	66.8	59.6	55.6	53.2	52.2	52.0
20°	160.0	150.4	127.2	104.9	84.3	71.1	62.3	57.2	54.6	53.6	53.6
22.5°	182.2	169.6	140.1	112.1	89.1	74.7	64.9	58.7	56.3	55.3	55.1
25°	205.2	190.9	155.4	119.7	94.4	77.6	66.8	60.1	57.7	56.8	57.0
27.5°	232.3	213.9	170.5	127.4	98.9	79.3	67.8	61.3	58.9	58.2	58.4
30°	260.6	237.3	183.9	135.3	102.0	80.5	68.5	62.3	59.6	59.2	59.2
32.5°	290.5	264.1	197.8	142.3	103.9	80.7	68.5	62.7	60.1	59.9	60.1
35°	321.1	290.0	211.2	147.8	104.9	80.5	68.3	63.2	60.1	60.1	60.1
37.5°	355.2	315.4	222.5	151.6	105.1	79.7	68.0	63.0	60.1	60.1	60.3
40°	390.1	342.5	234.9	154.7	104.9	79.3	67.8	63.0	60.1	60.1	60.3
42.5°	424.8	367.6	246.7	156.6	104.4	78.8	67.5	63.0	60.1	59.6	59.9
45°	462.4	396.8	257.9	157.8	103.9	78.5	67.5	62.7	60.1	59.2	59.4
47.5°	497.4	423.9	267.0	159.3	103.7	78.5	67.8	62.7	59.9	58.9	58.9
50°	536.9	451.9	276.4	159.7	103.2	78.5	67.8	62.7	59.6	58.2	58.4
52.5°	576.0	480.2	285.5	160.7	103.2	78.8	68.0	62.7	59.4	57.5	57.5
55°	613.3	505.3	293.6	161.4	103.2	79.3	68.7	62.7	59.2	56.8	56.8
57.5°	647.6	531.2	301.7	161.7	103.2	79.7	68.7	63.0	58.9	56.0	56.0
60°	678.0	553.4	307.5	161.9	103.0	80.2	69.2	62.7	58.7	55.3	55.3
62.5°	699.5	570.4	310.4	161.2	103.0	80.2	69.4	62.7	58.4	55.1	54.8
65°	711.7	576.4	308.7	159.0	102.5	80.2	69.2	62.5	58.0	54.6	54.4
67.5°	707.7	570.0	301.5	155.7	101.3	80.0	69.2	62.0	58.0	54.4	53.9
70°	685.6	550.6	287.9	150.6	99.6	79.0	68.3	61.3	57.5	54.1	53.6
72.5°	642.5	511.5	268.0	142.7	96.8	77.6	67.1	60.1	56.5	53.4	52.7
75°	582.7	465.1	243.8	134.6	93.2	75.7	65.6	58.9	55.3	52.4	51.7
77.5°	505.8	403.0	217.0	124.1	88.6	73.0	63.7	57.0	53.6	51.0	50.1
80°	426.0	339.6	188.0	113.0	83.8	69.7	60.8	54.6	51.5	49.1	47.9
82.5°	344.9	279.0	160.9	102.5	78.3	65.9	58.0	52.0	49.1	46.5	45.3
85°	272.1	220.6	134.8	91.5	72.6	62.0	54.6	48.9	46.2	43.3	42.1
87.5°	211.7	175.1	112.8	81.4	66.3	57.7	51.0	45.7	42.6	40.0	39.0
90°	165.0	137.9	94.4	71.8	60.8	53.4	47.2	42.4	39.3	36.6	35.4
92.5°	125.7	109.2	79.0	63.5	55.3	49.1	43.6	39.0	35.9	33.0	31.9
95°	98.4	86.7	66.8	55.8	49.8	44.5	40.0	35.7	32.3	29.2	28.5
97.5°	76.4	69.4	56.3	48.9	45.0	40.2	36.2	32.3	29.0	25.9	25.1
100°	60.3	55.3	47.7	43.3	40.0	36.2	32.6	29.2	25.6	22.3	22.0
102.5°	47.7	45.5	40.5	38.1	35.4	32.6	29.5	25.9	22.3	19.2	18.9
105°	39.0	37.1	34.7	33.3	31.6	29.0	26.1	23.0	19.4	16.5	16.5
107.5°	31.6	30.7	29.5	29.2	28.0	25.9	23.5	20.4	16.8	14.4	14.4
110°	25.9	25.6	25.6	25.6	24.9	23.2	20.8	17.7	14.1	12.5	12.5



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.8	21.8	22.0	22.5	22.0	20.4	18.2	15.3	12.2	10.8	10.8
115°	18.4	18.7	19.4	19.6	19.4	18.2	16.0	13.2	10.3	9.3	9.6
117.5°	16.0	16.0	17.0	17.5	17.2	16.0	13.9	11.3	8.9	8.4	8.4
120°	13.9	14.4	15.1	15.3	15.1	13.9	12.2	9.6	7.7	7.4	7.4
122.5°	12.2	12.5	13.2	13.7	13.2	12.2	10.3	8.1	6.5	6.5	6.7
125°	10.8	11.0	11.5	12.0	11.5	10.3	8.9	6.7	5.7	5.7	5.7
127.5°	9.6	9.8	10.3	10.3	9.8	8.9	7.4	5.7	4.8	5.0	5.0
130°	8.4	8.6	8.9	8.9	8.6	7.7	6.2	4.8	4.3	4.6	4.6
132.5°	7.4	7.7	7.7	7.7	7.2	6.5	5.3	4.1	3.8	4.1	4.1
135°	6.5	6.5	6.7	6.5	6.0	5.3	4.1	3.4	3.4	3.6	3.6
137.5°	5.5	5.7	5.7	5.3	4.8	4.1	3.4	2.9	2.9	3.1	3.1
140°	4.6	4.8	4.6	4.3	3.8	3.4	2.6	2.2	2.4	2.6	2.6
142.5°	3.8	3.8	3.8	3.4	2.9	2.4	1.9	1.9	2.2	2.2	2.4
145°	2.9	2.9	2.9	2.6	2.2	1.7	1.4	1.4	1.7	1.9	1.9
147.5°	2.2	2.2	2.2	1.9	1.4	1.2	1.0	1.2	1.4	1.7	1.4
150°	1.4	1.4	1.4	1.2	1.0	0.7	0.7	1.0	1.2	1.2	1.2
152.5°	1.0	1.0	1.0	1.0	0.7	0.2	0.5	0.7	1.0	1.0	1.0
155°	0.7	0.7	0.7	0.7	0.5	0.0	0.2	0.5	0.7	0.7	0.7
157.5°	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.2	0.5	0.5	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2
162.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.0
165°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
167.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
170°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
172.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
175°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
177.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

(END OF REPORT)