

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: P414432

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1884 lumens  
Efficiency: N/A  
Efficacy: 89.7 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

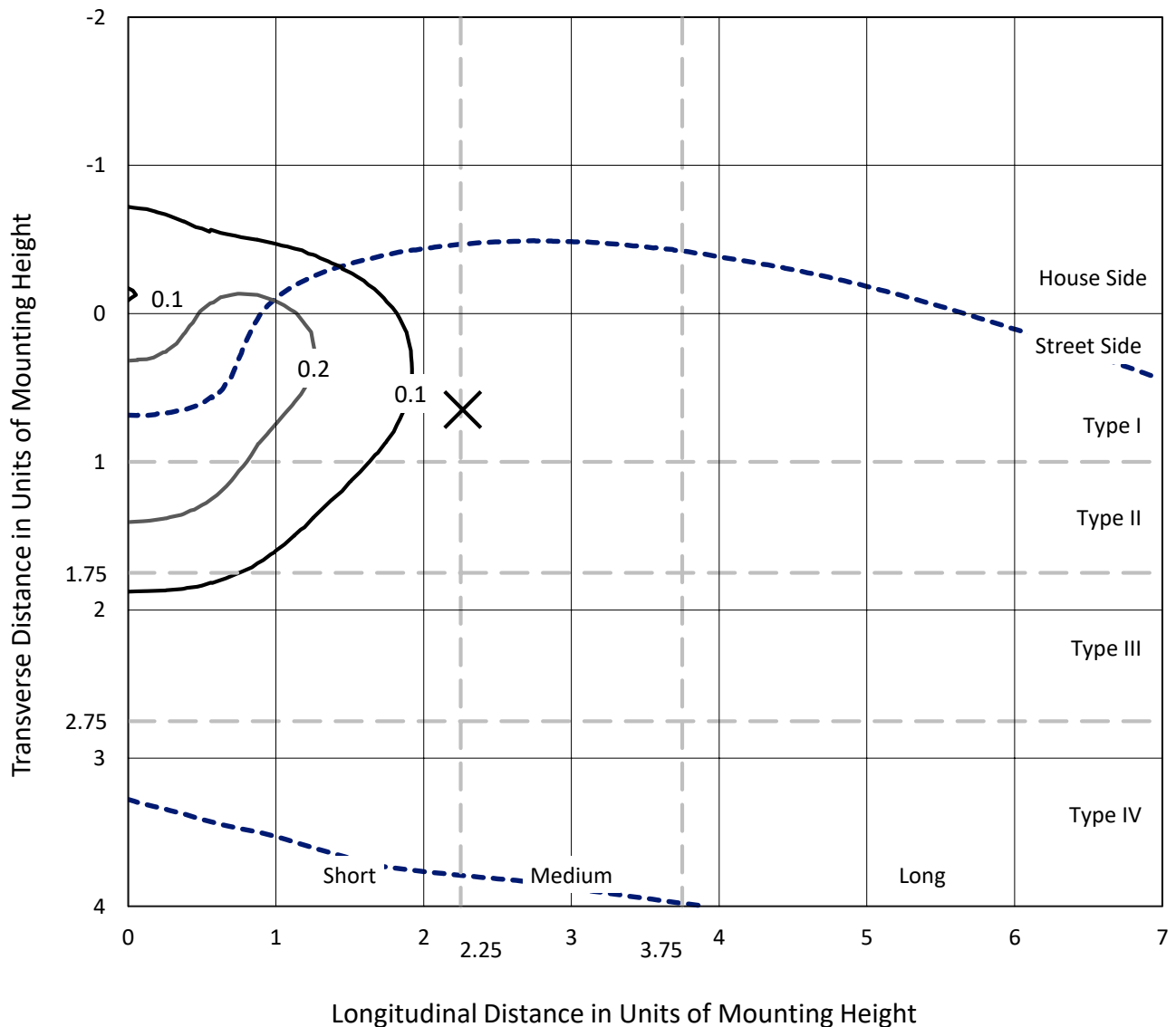
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

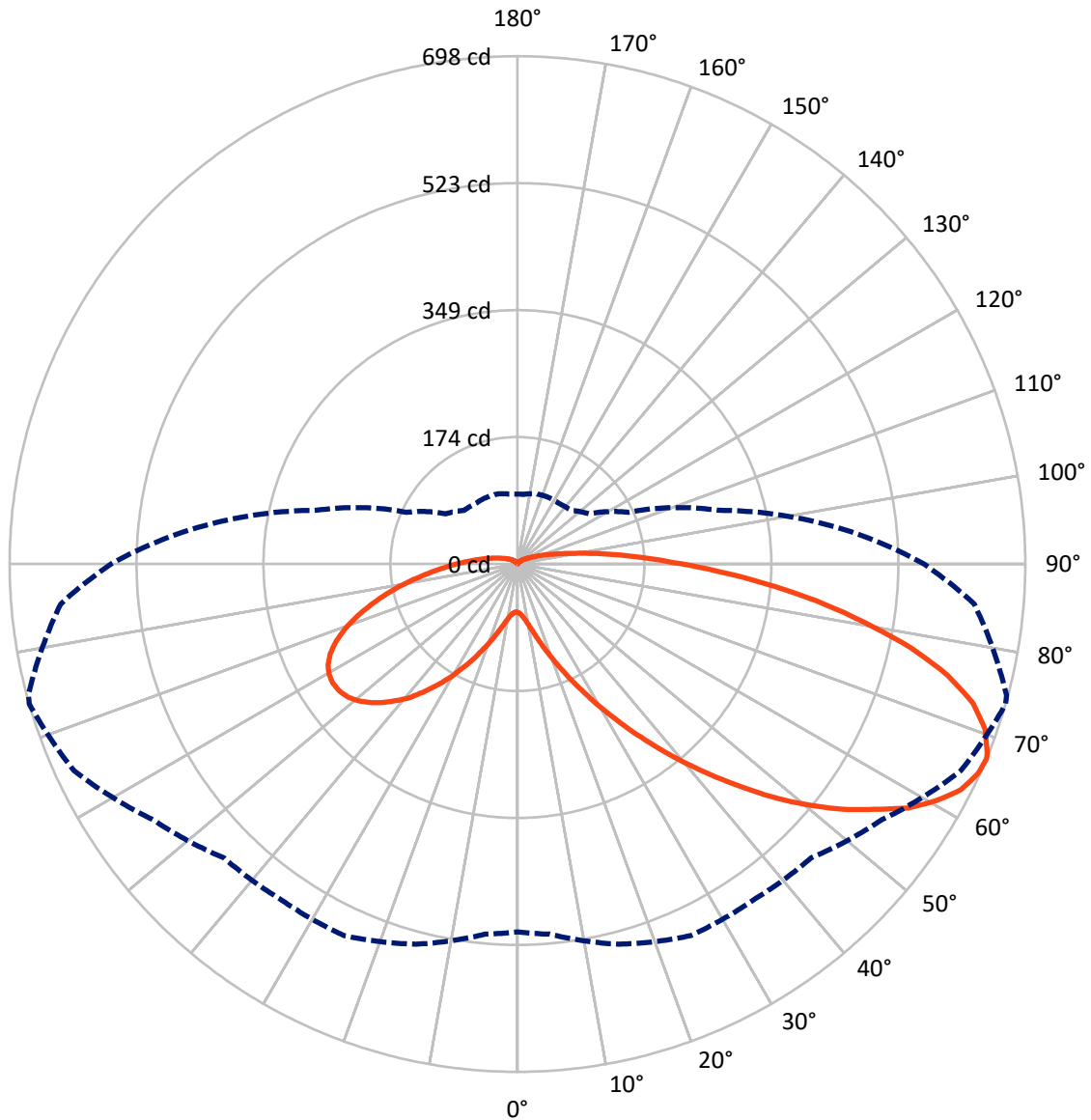
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	454.1	56.2	510.3
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	1275.9	97.8	1373.7
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	1730.0	154.0	1884.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.0	0.4
10°-20°	28.9	1.5
20°-30°	73.2	3.9
30°-40°	146.8	7.8
40°-50°	246.5	13.1
50°-60°	345.8	18.4
60°-70°	386.5	20.5
70°-80°	315.3	16.7
80°-90°	180.0	9.6
90°-100°	82.3	4.4
100°-110°	37.6	2.0
110°-120°	18.6	1.0
120°-130°	9.4	0.5
130°-140°	4.4	0.2
140°-150°	1.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1730.0	91.8
0°-180°	1884.0	100.0

**Coefficient of Utilization**



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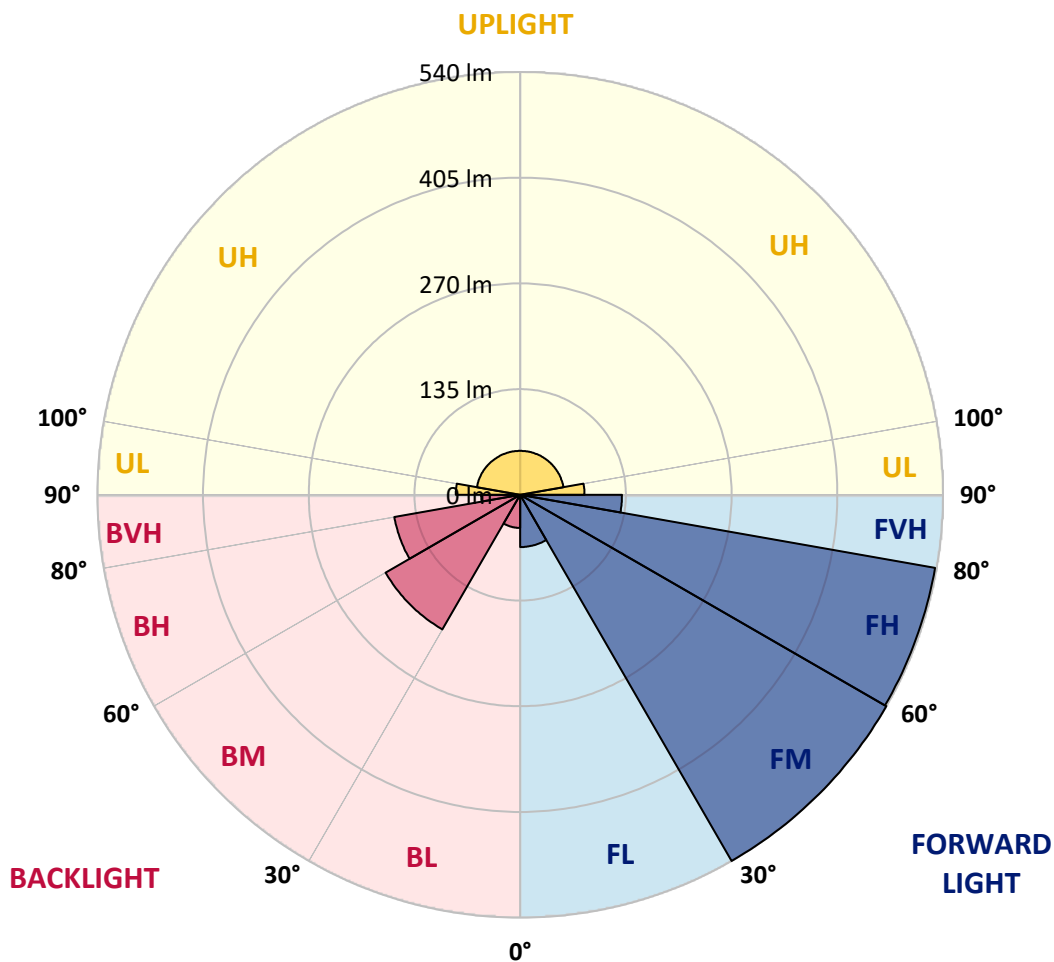
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.8	3.5			
FM	(30°-60°)	540.5	28.7			
FH	(60°-80°)	538.5	28.6			G0/660
FVH	(80°-90°)	130.1	6.9			G2/225
BL	(0°-30°)	42.3	2.2	B0/110		
BM	(30°-60°)	198.7	10.5	B0/220		
BH	(60°-80°)	163.3	8.7	B1/500		G1/500
BVH	(80°-90°)	49.9	2.6			G1/100
UL	(90°-100°)	82.3	4.4		U3/500	
UH	(100°-180°)	56.2	3.0		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°	74°	75°	85°
0°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2.5°	72.2	71.8	71.8	71.3	71.1	70.2	69.6	68.7	68.2	68.0	67.3
5°	78.9	78.2	78.2	77.8	76.9	75.8	74.2	73.3	71.8	72.0	70.0
7.5°	86.8	86.6	86.2	85.3	84.2	82.9	81.3	79.3	77.5	77.5	75.1
10°	97.5	96.1	96.1	95.0	93.9	91.9	89.7	87.5	85.1	84.8	81.5
12.5°	110.3	110.1	108.8	107.2	105.4	103.5	99.9	97.7	95.3	95.0	91.5
15°	125.4	124.7	123.0	122.3	119.6	116.1	113.2	111.0	108.6	107.7	103.0
17.5°	143.1	142.2	141.6	138.2	136.0	133.1	129.8	126.9	122.7	122.3	117.2
20°	163.9	161.9	159.9	157.3	153.7	151.1	147.5	144.9	140.0	140.0	133.1
22.5°	185.9	185.4	183.7	179.2	174.3	171.7	168.4	163.0	159.1	158.0	150.4
25°	212.4	212.0	208.5	203.8	198.7	194.7	189.4	183.7	180.3	180.1	171.7
27.5°	242.6	243.2	237.0	231.1	224.2	217.8	212.0	209.1	204.7	204.0	194.3
30°	278.9	276.0	269.6	261.0	251.4	243.2	237.3	234.4	231.5	231.3	219.5
32.5°	315.9	312.6	307.0	295.1	281.8	269.2	266.3	263.8	260.5	258.7	247.0
35°	356.9	354.2	346.3	330.5	312.8	299.1	293.1	293.5	292.0	291.1	276.9
37.5°	402.1	397.4	386.6	371.3	345.1	330.3	323.4	327.2	326.3	324.5	309.7
40°	444.6	444.0	432.4	408.7	382.4	361.3	356.7	363.1	362.0	359.8	343.4
42.5°	493.8	488.9	476.1	449.5	417.6	394.3	389.2	398.8	400.1	400.5	378.6
45°	535.9	533.7	521.5	490.9	454.1	428.9	424.7	434.9	439.3	439.7	415.6
47.5°	576.9	576.0	563.6	531.9	489.8	463.0	457.5	472.1	481.4	479.4	450.8
50°	607.7	609.2	599.2	569.1	525.3	493.4	494.7	512.6	521.3	520.2	488.5
52.5°	634.0	631.8	627.6	599.0	553.4	524.1	525.7	547.2	560.0	559.4	524.1
55°	643.8	643.1	643.6	620.3	576.4	549.4	554.1	584.4	595.0	593.7	553.2
57.5°	641.8	641.3	648.2	632.9	595.0	569.3	580.0	615.0	632.5	630.7	583.7
60°	626.7	624.7	639.6	634.0	602.6	581.7	600.4	641.8	660.6	660.2	608.8
62.5°	592.8	595.9	616.5	621.6	600.4	588.2	612.5	662.6	683.6	682.1	626.7
65°	545.6	553.4	578.2	595.9	585.3	582.4	617.0	671.9	695.2	694.9	633.1
67°	505.3	510.6	540.8	563.4	564.0	570.7	611.9	672.1	697.8	695.8	630.0
67.5°	491.1	498.2	528.8	556.3	559.1	567.3	609.9	671.7	696.1	694.9	628.5
70°	426.9	435.1	468.5	503.1	520.8	538.5	591.7	659.3	681.9	679.4	610.5
72.5°	361.8	373.3	405.0	445.9	471.9	501.1	560.3	628.3	654.8	649.8	575.5
75°	299.3	307.0	337.8	382.1	415.8	455.5	517.3	586.4	610.3	606.1	531.0
77.5°	238.6	245.7	275.4	319.9	358.0	402.5	467.0	533.9	552.5	550.1	474.5
80°	188.3	193.4	222.0	261.6	300.8	348.5	409.6	469.4	481.6	483.4	412.3
82.5°	144.9	151.5	176.3	211.3	248.3	293.8	346.9	399.9	413.4	408.9	348.5
85°	110.8	116.3	138.5	168.1	205.1	243.5	290.9	334.3	340.3	335.2	282.5
87.5°	86.6	90.8	108.1	136.9	166.4	199.2	237.0	270.3	273.4	272.5	226.2
90°	67.1	70.9	85.3	108.1	135.1	163.3	193.0	216.2	214.7	216.0	178.3
92.5°	52.7	54.7	67.8	87.9	110.5	133.1	155.7	171.2	171.0	167.3	139.1
95°	42.8	43.9	55.2	72.0	90.2	108.1	124.9	134.9	134.5	130.5	108.6
97.5°	34.6	35.2	45.0	59.1	74.4	88.4	100.6	107.7	104.1	102.6	85.1
100°	28.4	28.8	37.2	49.4	62.0	74.0	82.6	85.5	80.6	79.8	66.9
102.5°	24.1	24.4	31.5	41.9	51.8	60.9	67.3	68.7	62.9	63.4	52.7
105°	20.6	20.8	26.4	35.7	44.1	51.0	55.6	54.9	50.3	49.6	42.1
107.5°	17.9	18.2	22.6	30.6	37.9	43.6	46.1	44.5	40.3	39.4	33.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	15.7	16.0	19.5	26.1	32.6	37.4	38.8	36.3	32.6	31.7	27.9
112.5°	14.2	14.2	17.1	22.6	28.4	32.3	32.8	30.3	26.1	25.7	23.3
115°	12.8	12.8	15.1	19.5	24.6	27.7	27.7	24.8	21.5	21.3	19.5
117.5°	11.7	11.7	13.3	17.1	21.3	23.9	23.5	20.8	17.9	17.7	16.8
120°	10.9	10.9	12.0	14.8	18.4	20.4	19.9	17.3	15.1	14.8	14.4
122.5°	10.0	10.2	10.9	13.1	16.0	17.5	17.1	14.8	12.8	12.6	12.6
125°	9.3	9.3	9.7	11.3	13.7	15.1	14.4	12.2	10.9	10.9	10.9
127.5°	8.6	8.6	8.9	10.0	11.7	12.6	12.0	10.2	9.5	9.3	9.5
130°	8.0	8.0	8.2	8.6	10.0	10.4	9.7	8.6	8.0	8.0	8.2
132.5°	7.3	7.3	7.3	7.5	8.2	8.6	8.0	7.1	6.9	6.9	7.1
135°	6.6	6.9	6.6	6.6	6.9	6.9	6.2	5.8	5.8	6.0	6.2
137.5°	6.0	6.0	5.8	5.5	5.5	5.3	4.9	4.7	4.9	4.9	5.1
140°	5.3	5.3	5.1	4.7	4.2	4.0	3.8	3.5	4.0	4.0	4.2
142.5°	4.7	4.7	4.2	3.8	3.1	2.7	2.4	2.7	3.1	3.1	3.3
145°	3.8	3.8	3.5	3.1	2.2	1.8	1.6	2.0	2.2	2.2	2.4
147.5°	3.1	2.9	2.7	2.2	1.6	1.1	0.9	1.3	1.6	1.6	1.8
150°	2.2	2.2	2.0	1.6	0.9	0.4	0.4	0.7	0.9	0.9	1.1
152.5°	1.6	1.6	1.3	0.9	0.4	0.0	0.2	0.4	0.4	0.4	0.7
155°	0.9	0.9	0.9	0.7	0.2	0.0	0.0	0.2	0.2	0.2	0.4
157.5°	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.2	0.2	0.2
160°	0.2	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
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°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2.5°	66.9	66.5	66.0	65.4	64.9	64.5	64.0	63.8	63.8	63.6	63.8
5°	69.3	68.7	67.3	66.2	64.9	64.0	63.1	62.7	62.3	62.0	62.0
7.5°	73.8	72.9	70.7	68.7	66.7	65.1	64.0	62.9	62.5	62.3	62.3
10°	80.2	78.9	75.5	72.7	69.8	67.8	65.8	64.7	64.0	63.6	63.6
12.5°	89.3	87.1	82.9	78.0	74.2	71.6	69.1	68.0	67.8	67.8	67.8
15°	101.5	98.4	91.9	86.2	80.6	76.0	74.2	74.2	74.0	73.8	74.0
17.5°	114.1	110.5	102.6	95.3	88.4	83.7	80.9	80.2	80.0	79.8	80.0
20°	129.2	124.7	115.4	105.4	96.8	92.4	88.4	86.6	86.4	86.6	86.2
22.5°	146.2	141.3	127.6	115.6	106.1	99.9	95.3	92.8	93.3	93.3	93.0
25°	166.8	159.3	143.1	126.9	115.4	106.8	101.5	99.0	99.2	99.7	100.1
27.5°	187.6	179.0	158.4	138.7	123.6	113.6	107.4	104.8	104.6	105.9	105.7
30°	212.0	200.9	175.2	150.6	131.1	118.5	112.1	109.9	109.7	110.8	111.0
32.5°	238.1	224.4	192.7	162.6	137.8	122.7	115.4	113.9	113.4	114.5	114.8
35°	266.7	249.2	209.8	173.0	143.3	125.6	118.1	116.3	115.6	116.7	117.2
37.5°	294.4	274.0	227.3	182.3	147.8	127.4	119.2	117.9	117.0	117.6	117.9
40°	323.7	301.9	245.0	190.7	150.4	128.3	119.6	118.3	117.4	117.4	117.4
42.5°	355.8	327.6	259.4	196.7	152.0	128.0	119.2	117.6	116.5	115.6	115.6
45°	388.8	355.3	274.3	201.6	152.2	126.9	118.1	116.7	115.0	113.2	113.0
47.5°	420.9	380.4	287.3	204.3	151.5	125.4	116.5	114.8	113.2	110.5	110.5
50°	452.1	405.4	298.2	205.6	149.5	123.6	115.0	113.2	111.2	107.7	107.2
52.5°	480.7	428.2	306.4	205.1	146.7	121.2	113.0	111.4	109.0	104.8	104.8
55°	508.9	449.3	311.5	202.3	143.1	118.5	111.2	109.7	107.0	102.6	102.1
57.5°	531.9	464.3	313.5	197.8	139.1	115.6	109.4	107.9	105.4	100.6	100.6
60°	551.4	477.0	312.1	192.1	134.7	113.0	107.2	106.3	104.1	99.5	99.5
62.5°	562.7	482.1	307.0	184.8	129.6	110.1	105.2	104.8	102.8	98.4	98.4
65°	565.1	478.7	296.6	175.7	124.5	106.8	103.0	102.8	101.5	97.3	96.8
67°	558.5	470.1	285.1	167.9	120.1	104.1	101.0	101.0	99.9	96.1	95.9
67.5°	556.0	466.8	282.0	165.9	119.2	103.7	100.6	100.8	99.7	95.9	95.3
70°	534.8	444.4	263.0	154.6	113.0	99.7	97.7	97.9	97.0	94.2	93.5
72.5°	501.8	412.3	240.6	143.8	106.8	95.7	93.7	94.6	93.7	91.5	90.2
75°	457.2	373.1	217.3	131.4	100.6	90.8	89.5	89.9	89.7	87.5	86.4
77.5°	404.7	329.9	192.5	119.8	93.7	86.0	84.6	85.3	84.8	82.9	81.5
80°	347.8	284.2	168.6	108.3	86.6	80.4	79.1	79.3	79.1	77.1	75.3
82.5°	292.0	239.5	144.2	97.0	79.8	74.4	72.9	72.7	72.2	70.0	68.7
85°	241.0	196.7	123.2	86.2	72.7	67.8	66.5	65.6	64.9	62.5	61.6
87.5°	192.1	160.8	104.1	76.9	65.6	61.6	59.8	58.3	57.2	54.9	54.1
90°	153.3	129.6	88.8	67.3	59.1	55.6	53.2	51.2	49.8	47.4	46.1
92.5°	121.6	103.2	74.7	59.1	52.9	49.8	47.6	45.2	43.4	40.3	39.7
95°	96.4	83.1	62.9	51.8	47.0	44.3	42.3	39.7	37.2	34.1	33.5
97.5°	76.2	67.8	52.9	45.4	41.4	39.2	37.2	34.6	31.9	28.8	28.4
100°	60.9	54.5	45.4	39.7	37.0	34.8	32.8	30.3	27.0	23.9	23.9
102.5°	49.0	44.7	38.1	34.8	32.6	30.8	29.0	26.6	23.0	19.7	19.7
105°	39.7	37.0	32.8	30.3	28.8	27.5	25.7	22.8	19.3	16.6	16.6
107.5°	32.6	30.6	28.1	26.4	25.5	24.1	22.6	19.7	16.4	14.0	14.0



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.0	25.7	23.9	23.3	22.6	21.5	19.7	17.1	13.7	12.0	12.0
112.5°	22.6	21.9	20.6	20.4	19.9	19.1	17.3	14.6	11.5	10.4	10.4
115°	19.3	18.8	17.9	17.9	17.5	16.8	15.1	12.6	10.0	8.9	9.1
117.5°	16.4	16.2	15.7	15.7	15.5	14.8	13.1	10.9	8.4	8.0	8.0
120°	14.4	14.2	14.0	13.7	13.7	12.8	11.3	9.1	7.3	7.1	7.1
122.5°	12.4	12.4	12.2	12.2	12.0	11.1	9.7	7.8	6.4	6.2	6.2
125°	10.9	10.9	10.6	10.6	10.4	9.7	8.4	6.6	5.5	5.5	5.5
127.5°	9.5	9.5	9.3	9.3	9.1	8.2	7.1	5.5	4.9	4.9	5.1
130°	8.4	8.4	8.2	8.0	7.8	7.1	5.8	4.7	4.2	4.4	4.4
132.5°	7.3	7.1	7.1	6.9	6.4	5.8	4.9	4.0	3.8	4.0	4.0
135°	6.2	6.2	6.0	5.8	5.3	4.9	4.0	3.3	3.3	3.5	3.5
137.5°	5.3	5.3	5.1	4.7	4.4	3.8	3.1	2.7	2.9	3.1	3.1
140°	4.2	4.4	4.2	3.8	3.3	2.9	2.4	2.2	2.4	2.7	2.9
142.5°	3.5	3.5	3.3	2.9	2.4	2.0	1.8	1.8	2.2	2.4	2.4
145°	2.7	2.7	2.4	2.2	1.6	1.3	1.1	1.6	1.8	2.0	2.0
147.5°	1.8	1.8	1.8	1.3	0.9	0.7	0.7	1.1	1.6	1.6	1.6
150°	1.1	1.1	1.1	0.9	0.4	0.2	0.4	0.9	1.1	1.3	1.3
152.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.2	0.7	0.9	0.9	0.9
155°	0.4	0.4	0.4	0.2	0.2	0.0	0.2	0.4	0.7	0.7	0.7
157.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.2
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)