

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: P414222

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2388 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

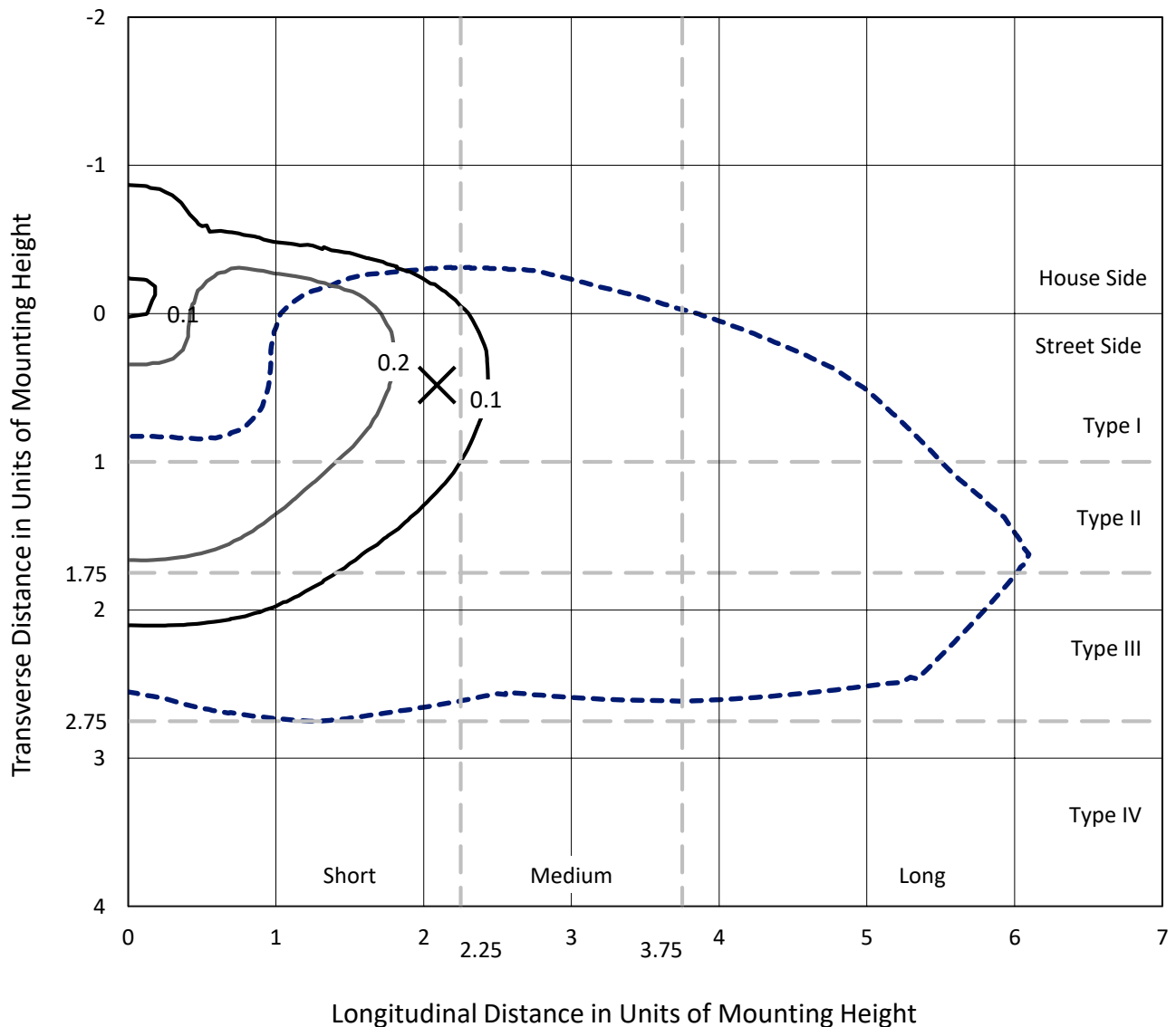
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

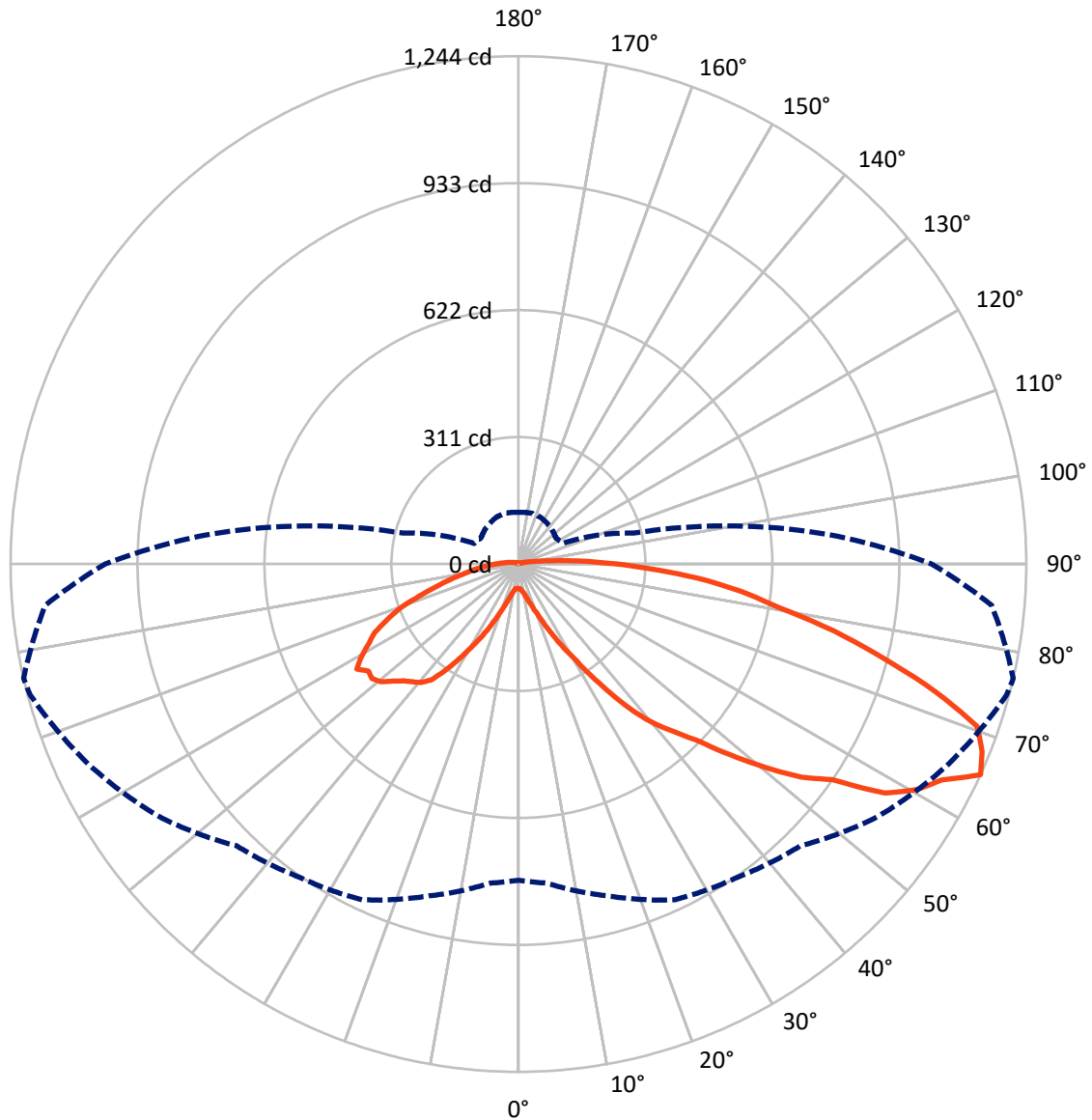


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	526.2	37.4	563.6
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	1777.6	46.8	1824.4
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	2303.8	84.2	2388.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.2	0.3
10°-20°	26.2	1.1
20°-30°	76.6	3.2
30°-40°	183.5	7.7
40°-50°	330.4	13.8
50°-60°	502.5	21.0
60°-70°	592.8	24.8
70°-80°	408.5	17.1
80°-90°	177.1	7.4
90°-100°	51.7	2.2
100°-110°	16.2	0.7
110°-120°	7.6	0.3
120°-130°	4.4	0.2
130°-140°	2.7	0.1
140°-150°	1.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2303.8	96.5
0°-180°	2388.0	100.0



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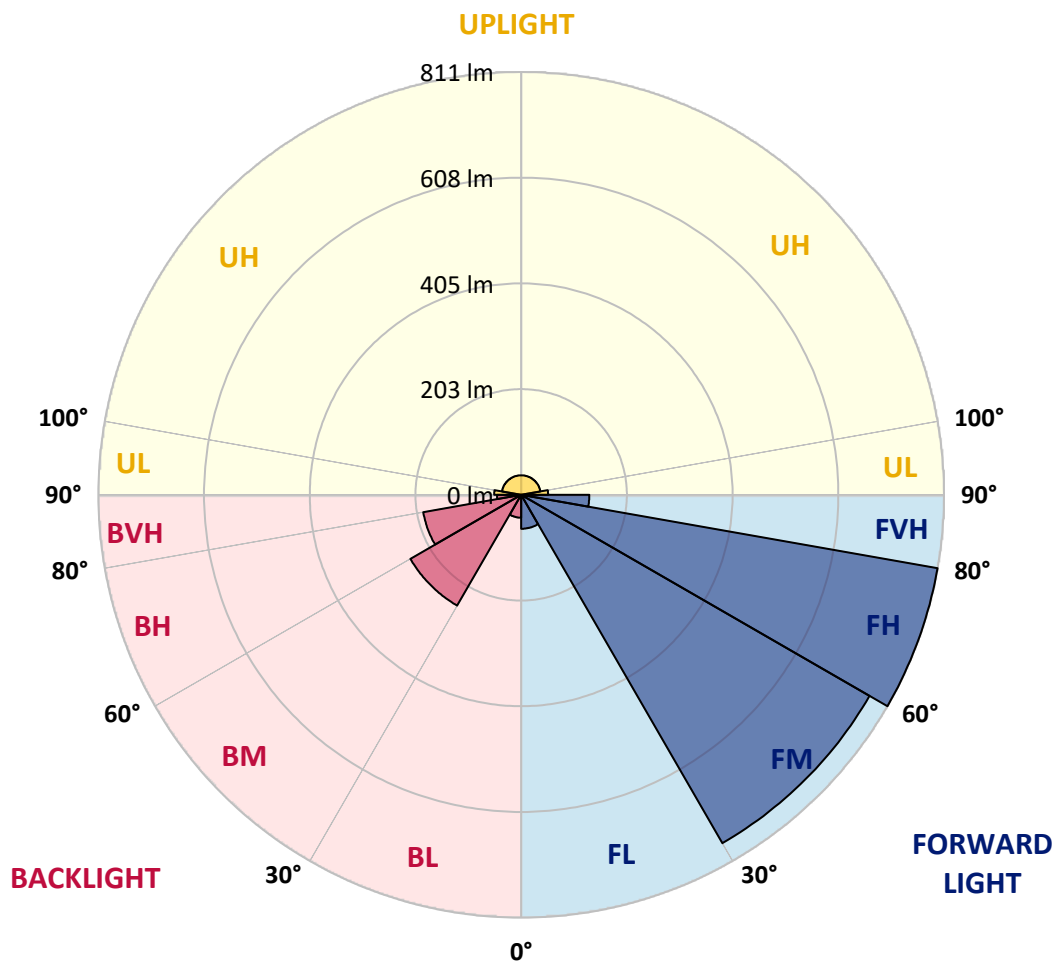
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.1	2.7			
FM	(30°-60°)	771.2	32.3			
FH	(60°-80°)	810.7	33.9			G1/1800
FVH	(80°-90°)	130.7	5.5			G2/225
BL	(0°-30°)	43.9	1.8	B0/110		
BM	(30°-60°)	245.3	10.3	B1/1000		
BH	(60°-80°)	190.7	8.0	B1/500		G1/500
BVH	(80°-90°)	46.4	1.9			G1/100
UL	(90°-100°)	51.7	2.2		U3/500	
UH	(100°-180°)	37.4	1.6		U2/50	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	64.5	64.2	64.2	64.5	64.0	63.4	62.6	61.8	60.9	60.9	60.4
5°	69.7	69.4	69.4	69.4	68.3	67.5	65.6	64.5	63.4	62.9	62.0
7.5°	76.6	75.8	76.0	75.8	74.1	72.5	70.5	68.3	67.0	66.7	65.1
10°	85.6	85.1	84.5	83.4	81.8	79.1	76.3	74.4	72.5	72.2	70.3
12.5°	98.5	98.0	96.9	94.4	90.9	87.6	84.8	82.6	81.5	81.0	79.1
15°	114.2	112.5	112.0	108.2	103.2	99.4	96.3	95.0	93.9	93.9	91.4
17.5°	132.6	132.6	129.8	124.6	118.3	113.6	110.6	108.2	109.0	108.7	107.3
20°	155.4	154.8	150.7	143.8	136.1	131.8	127.9	126.5	127.6	128.7	128.7
22.5°	188.3	186.9	180.6	170.2	158.9	151.8	149.0	148.8	153.2	154.5	156.2
25°	225.4	223.4	215.5	202.9	188.9	177.9	174.0	177.0	185.0	188.0	191.3
27.5°	270.1	269.0	256.9	239.6	222.9	208.6	204.2	213.6	224.3	225.4	231.9
30°	327.7	328.3	311.8	286.8	258.3	243.5	238.5	249.8	265.7	266.8	280.0
32.5°	394.4	394.4	369.7	339.5	302.8	281.9	277.2	295.4	320.3	324.2	336.8
35°	479.5	474.6	443.0	399.7	353.5	322.5	322.0	350.3	384.6	388.4	402.1
37.5°	555.8	558.9	526.8	470.2	407.9	372.2	376.9	412.8	456.2	457.3	472.1
40°	638.5	641.8	603.9	544.9	468.3	428.2	437.5	471.0	514.1	514.9	520.2
42.5°	703.3	711.8	676.4	614.9	537.5	491.9	494.1	525.4	558.6	562.7	566.3
45°	742.0	748.3	728.8	679.6	598.4	555.6	550.4	575.9	619.3	618.2	623.4
47.5°	802.9	810.3	780.4	735.6	667.0	614.0	607.5	640.7	693.9	699.4	694.5
50°	866.0	875.9	854.2	802.1	731.2	679.6	680.5	718.3	780.4	782.3	785.3
52.5°	910.2	917.4	908.8	872.6	797.4	750.5	757.9	803.2	864.1	867.7	855.6
55°	917.1	928.1	934.9	926.7	869.9	823.5	842.4	887.7	928.9	931.9	922.6
57.5°	914.9	923.9	938.5	944.8	916.3	898.7	923.1	969.5	1048.8	1059.0	1054.3
60°	912.4	919.0	949.2	958.5	942.3	956.3	995.3	1077.9	1121.6	1122.4	1079.9
62.5°	843.8	854.8	911.6	958.5	954.1	980.8	1066.1	1123.5	1158.1	1164.4	1123.8
65°	774.9	784.5	841.6	907.5	936.6	976.6	1077.1	1161.7	1238.5	1244.3	1163.9
67.5°	675.3	690.4	752.7	832.0	867.7	931.6	1048.3	1175.1	1222.9	1225.3	1133.4
70°	550.1	570.7	640.9	724.7	767.5	832.3	983.8	1127.1	1193.8	1192.4	1082.9
72.5°	396.4	414.8	479.0	578.4	645.3	716.2	865.8	1031.5	1069.4	1068.1	921.2
75°	269.3	279.2	327.5	418.3	514.7	597.8	745.8	894.8	927.0	924.5	789.2
77.5°	176.5	187.8	219.0	296.7	386.5	482.3	626.1	749.1	799.6	790.5	668.9
80°	108.2	114.5	140.3	200.4	292.9	389.2	517.7	633.8	659.9	646.7	546.2
82.5°	67.5	72.5	90.9	132.3	210.3	300.6	424.6	533.6	562.7	547.9	449.3
85°	41.4	43.9	56.5	87.0	142.7	221.0	341.5	432.9	450.7	440.0	338.7
87.5°	30.2	30.7	38.7	58.7	96.3	158.1	251.4	326.1	339.0	319.2	237.4
90°	22.2	23.3	28.5	41.4	67.0	107.3	173.2	229.5	232.8	220.7	158.7
92.5°	16.7	17.3	21.4	29.4	46.1	73.3	115.6	153.7	150.7	142.2	98.5
95°	12.1	12.4	15.4	20.9	32.4	49.1	73.6	96.3	86.7	83.2	59.8
97.5°	9.9	10.2	12.4	16.2	23.9	34.6	47.5	57.4	51.1	48.9	38.4
100°	8.5	8.5	10.4	13.5	18.7	25.8	31.6	36.0	32.9	31.8	27.2
102.5°	7.7	7.7	9.1	11.3	15.4	20.3	23.3	24.7	23.1	22.2	20.0
105°	6.9	6.9	8.0	9.6	12.9	16.5	17.8	18.1	16.5	16.2	15.4
107.5°	6.3	6.3	7.1	8.5	11.0	13.7	14.3	13.5	12.6	12.1	12.1
110°	5.5	5.8	6.3	7.4	9.6	11.5	11.5	10.4	9.3	9.3	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.2	5.2	5.8	6.9	8.5	9.9	9.3	8.2	7.4	7.4	8.0
115°	4.7	4.7	5.2	6.3	7.7	8.5	8.0	6.9	6.0	6.3	6.9
117.5°	4.4	4.4	4.9	5.8	6.9	7.4	6.9	5.8	5.2	5.5	6.3
120°	4.4	4.4	4.9	5.5	6.3	6.6	6.0	4.9	4.7	4.7	5.5
122.5°	4.4	4.4	4.7	5.5	6.0	6.0	5.2	4.4	4.1	4.1	4.9
125°	4.4	4.4	4.9	5.5	5.5	5.5	4.7	3.8	3.6	3.8	4.4
127.5°	4.7	4.7	4.9	5.2	5.2	4.9	4.1	3.6	3.3	3.6	4.1
130°	4.7	4.7	4.9	5.2	4.9	4.4	3.8	3.3	3.3	3.3	4.1
132.5°	4.7	4.7	4.9	4.9	4.7	3.8	3.3	2.7	3.0	3.3	3.8
135°	4.4	4.4	4.4	4.4	4.1	3.6	2.7	2.5	2.7	3.0	3.6
137.5°	4.1	4.1	4.1	4.1	3.6	3.0	2.2	1.9	2.5	2.5	3.0
140°	3.6	3.6	3.8	3.6	3.3	2.5	1.9	1.4	1.9	1.9	2.5
142.5°	3.3	3.3	3.3	3.3	2.7	2.2	1.4	1.4	1.6	1.6	1.9
145°	2.7	2.7	3.0	2.7	2.2	1.6	1.1	1.1	1.4	1.4	1.6
147.5°	2.2	2.5	2.5	2.2	1.9	1.4	0.8	0.8	1.1	1.1	1.4
150°	1.9	1.9	1.9	1.9	1.4	0.8	0.5	0.8	1.1	1.1	1.1
152.5°	1.4	1.4	1.6	1.6	1.1	0.5	0.5	0.8	0.8	0.8	1.1
155°	1.1	1.1	1.4	1.1	0.8	0.3	0.5	0.5	0.8	0.8	0.8
157.5°	0.5	0.5	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.8
160°	0.3	0.3	0.8	0.8	0.5	0.3	0.3	0.3	0.5	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
2.5°	60.1	59.6	59.3	58.7	58.2	57.6	57.6	57.6	57.4	57.1	57.4
5°	61.2	60.9	59.6	58.5	57.4	56.8	56.3	56.0	56.0	55.4	55.4
7.5°	64.2	63.1	61.2	59.3	58.2	57.1	56.3	56.0	55.7	55.2	55.2
10°	68.9	67.5	65.3	62.3	60.4	58.5	57.6	57.6	57.4	57.1	57.1
12.5°	77.7	76.0	72.2	68.1	64.2	61.5	60.9	61.8	63.4	63.7	63.7
15°	90.6	88.7	83.7	77.1	71.1	67.3	67.8	70.0	72.2	73.0	73.0
17.5°	106.5	104.3	97.2	87.6	79.6	76.0	75.8	78.8	81.8	83.4	83.4
20°	127.9	124.3	115.0	101.3	90.3	86.2	84.5	87.3	92.0	93.9	93.3
22.5°	154.5	150.4	137.2	116.4	102.7	95.2	93.1	96.1	101.8	104.3	104.0
25°	189.7	185.6	164.1	135.3	114.7	103.2	101.8	106.2	114.7	119.7	119.1
27.5°	230.6	223.7	195.2	156.5	126.5	109.8	110.1	117.5	126.3	131.8	131.2
30°	274.2	265.4	226.5	176.8	137.5	117.2	116.7	125.4	134.5	140.3	140.3
32.5°	331.9	319.0	262.7	196.3	146.0	123.0	121.1	130.9	140.3	146.3	146.0
35°	393.6	376.3	300.6	216.8	153.2	126.0	123.8	134.0	143.6	150.7	150.7
37.5°	464.4	435.1	336.0	231.1	158.1	127.6	124.6	136.1	148.0	155.4	154.8
40°	501.8	468.8	353.0	237.4	158.9	127.9	126.0	138.1	148.0	150.7	149.3
42.5°	543.5	501.0	360.1	229.8	155.9	127.4	126.8	136.1	140.5	139.7	138.9
45°	596.2	538.8	367.0	220.1	148.8	126.5	125.4	130.9	131.2	127.9	126.8
47.5°	663.5	591.0	378.3	208.6	141.6	124.6	123.2	125.7	121.1	115.0	113.1
50°	735.6	651.4	392.3	198.7	135.1	122.1	120.8	120.0	115.3	109.2	108.2
52.5°	798.5	692.3	396.1	188.3	130.7	120.5	118.9	118.0	113.6	106.8	105.4
55°	854.8	727.1	382.6	172.7	127.1	119.4	118.9	118.9	114.2	107.1	105.7
57.5°	965.9	810.6	387.6	156.7	122.4	119.1	120.0	120.2	115.8	109.0	107.6
60°	969.2	794.7	358.8	145.5	118.3	119.1	121.1	121.6	118.6	113.9	113.1
62.5°	1000.8	795.2	320.1	130.9	115.6	118.6	121.9	123.8	124.1	121.3	120.8
65°	1012.3	783.7	292.1	119.4	111.7	117.2	122.1	126.8	128.5	127.1	126.5
67.5°	968.1	730.7	253.9	111.7	107.9	115.0	121.9	127.6	131.2	132.0	132.0
70°	909.9	671.1	219.9	104.3	103.8	112.0	120.0	127.6	132.6	134.8	134.8
72.5°	762.3	551.2	181.4	96.6	98.3	107.3	115.8	125.2	130.7	132.6	131.8
75°	637.6	453.7	149.3	90.0	92.8	101.6	110.1	119.1	123.0	124.1	123.2
77.5°	539.4	377.4	122.7	84.0	86.2	94.2	101.8	108.2	110.6	110.1	108.7
80°	434.8	294.5	100.7	76.6	78.8	85.1	90.6	95.5	98.0	96.6	95.8
82.5°	346.1	234.1	85.9	70.0	70.8	76.0	79.9	83.7	87.8	86.7	84.5
85°	256.1	172.4	73.0	62.9	62.9	66.7	68.6	72.2	78.0	77.7	76.9
87.5°	175.1	122.7	62.0	55.7	55.4	57.6	58.7	62.6	70.0	70.3	69.4
90°	115.3	84.0	51.9	48.3	47.8	49.4	50.2	53.5	59.6	60.1	59.0
92.5°	74.9	58.2	42.5	40.9	40.6	42.0	41.7	43.9	48.0	47.8	46.9
95°	48.0	40.6	34.6	33.8	32.9	34.6	34.0	34.6	36.8	36.2	36.2
97.5°	33.2	31.0	28.5	27.2	26.6	28.3	27.7	27.7	28.8	27.7	27.2
100°	25.5	24.7	23.6	22.5	21.4	22.8	22.8	22.8	23.6	22.0	21.4
102.5°	19.8	19.5	19.5	18.7	17.8	18.9	19.2	19.5	19.2	17.6	17.3
105°	15.6	15.6	16.2	15.4	15.1	15.9	16.2	15.9	15.9	14.5	14.5
107.5°	12.4	12.9	13.5	12.9	12.9	13.5	13.5	13.5	12.9	12.1	12.4
110°	10.2	10.7	11.5	11.0	11.0	11.5	11.3	11.0	10.7	10.4	10.4



REPORT NUMBER: P414222

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	9.1	9.6	9.3	9.6	9.9	9.6	9.1	9.1	9.1	9.3
115°	7.4	8.0	8.5	8.2	8.2	8.5	8.0	7.7	7.7	8.0	8.0
117.5°	6.6	7.1	7.4	7.4	7.1	7.4	6.9	6.6	6.9	7.1	7.1
120°	6.0	6.3	6.6	6.6	6.3	6.3	6.0	5.8	6.0	6.3	6.6
122.5°	5.5	5.8	5.8	6.0	5.8	5.5	5.2	5.2	5.5	5.8	5.8
125°	4.9	5.2	5.2	5.2	5.2	4.9	4.7	4.7	4.9	5.2	5.5
127.5°	4.4	4.7	4.7	4.9	4.7	4.4	4.1	4.4	4.7	4.9	4.9
130°	4.4	4.4	4.4	4.4	4.1	3.8	3.8	3.8	4.4	4.7	4.7
132.5°	4.1	4.4	4.1	4.1	3.8	3.3	3.3	3.6	4.1	4.4	4.4
135°	3.8	3.8	3.6	3.6	3.3	3.0	2.7	3.3	3.6	3.8	3.8
137.5°	3.3	3.3	3.0	2.7	2.7	2.5	2.5	2.7	3.3	3.6	3.6
140°	2.5	2.7	2.5	2.2	2.2	1.9	2.2	2.5	3.0	3.0	3.0
142.5°	1.9	2.2	1.9	1.6	1.6	1.6	1.6	2.2	2.7	2.7	2.7
145°	1.6	1.6	1.6	1.4	1.1	1.1	1.4	1.9	2.5	2.5	2.5
147.5°	1.4	1.4	1.4	1.1	0.8	0.8	1.1	1.6	1.9	1.9	1.9
150°	1.1	1.1	1.1	1.1	0.8	0.5	0.8	1.4	1.6	1.6	1.6
152.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.5	1.1	1.4	1.4	1.4
155°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.8	1.1	1.1	1.1
157.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.8	1.1	0.8	0.8
160°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.5	0.8	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)