

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: P414210

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2317 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

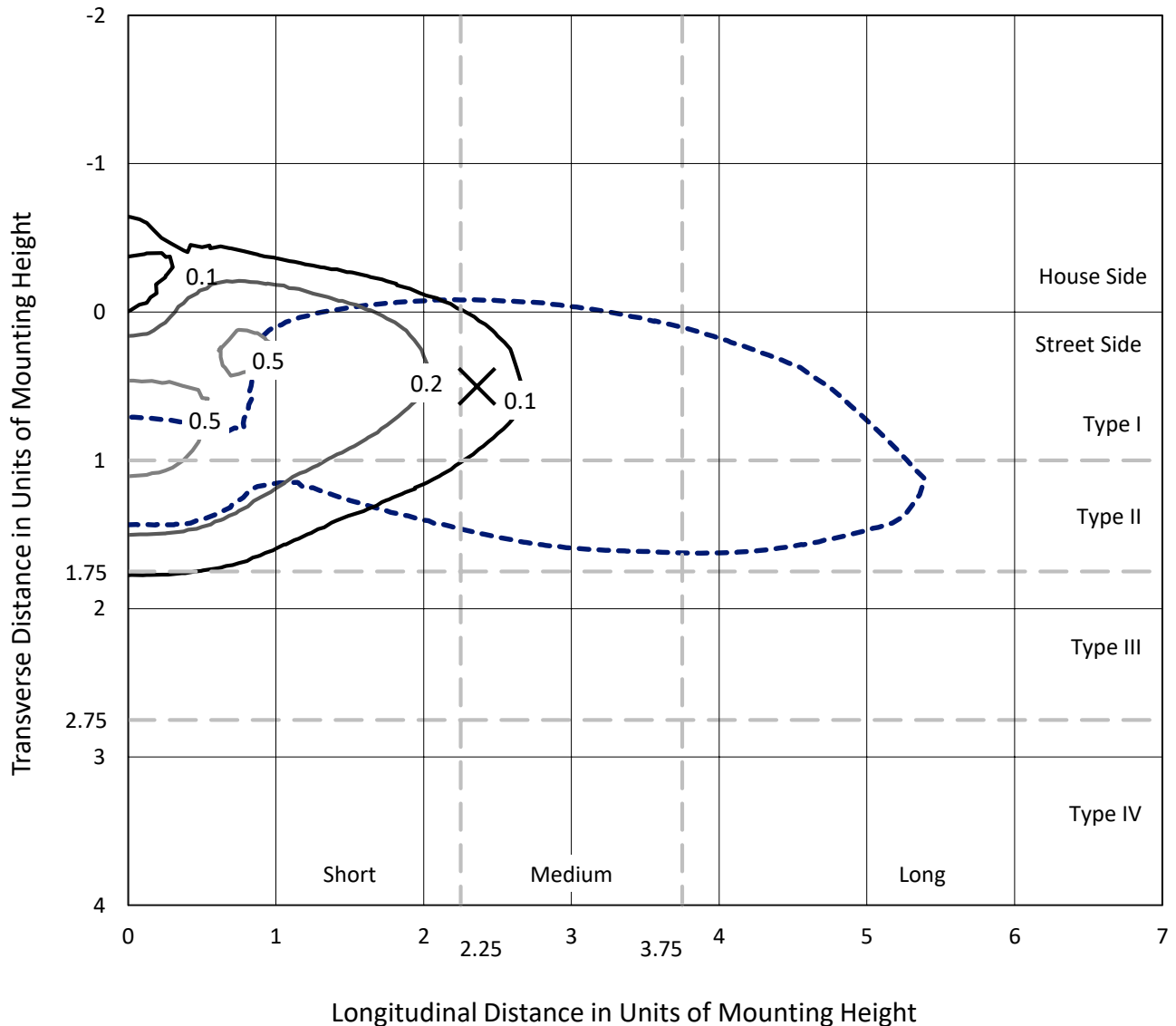
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414210  
 CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

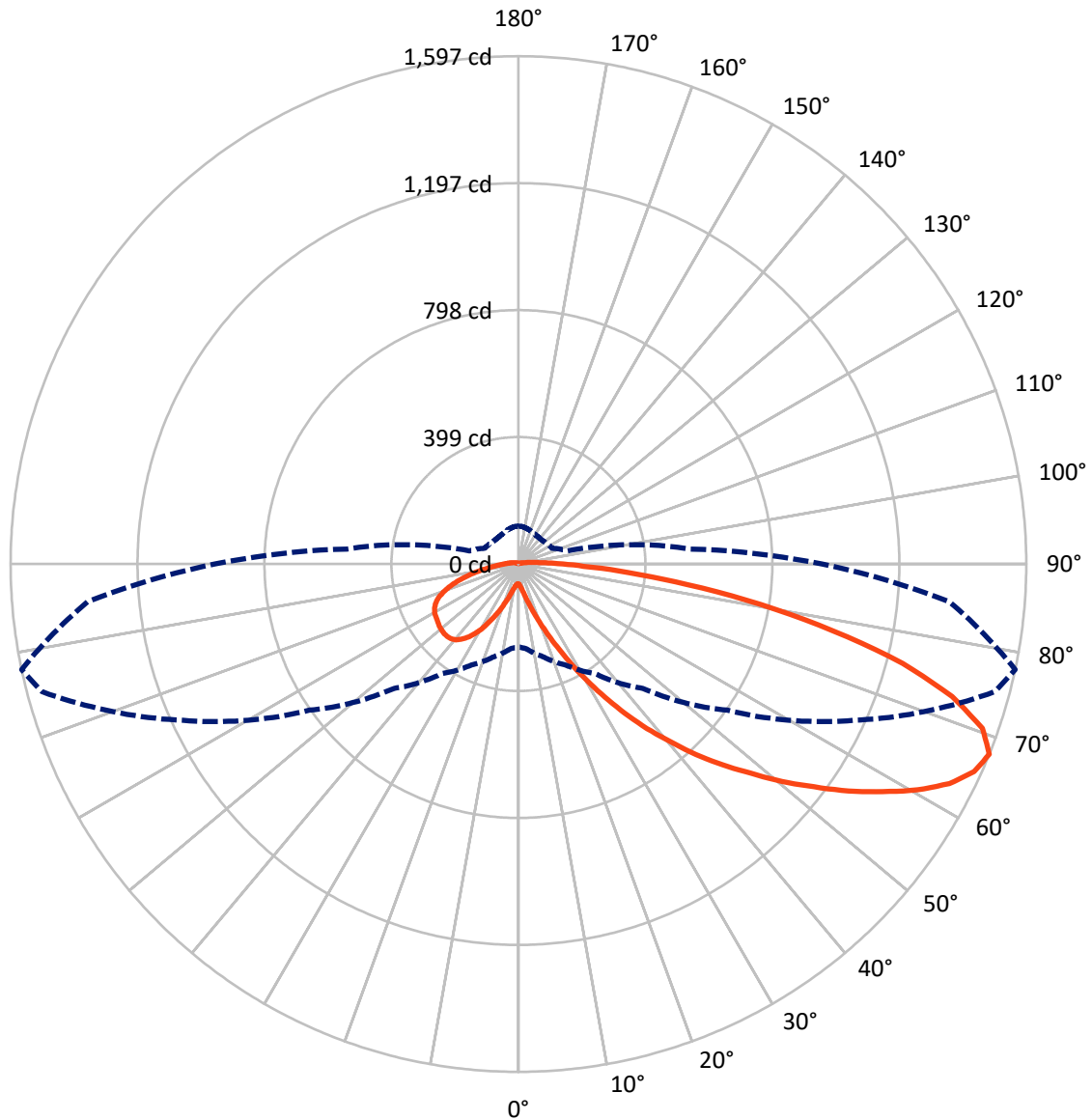


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414210

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P414210

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

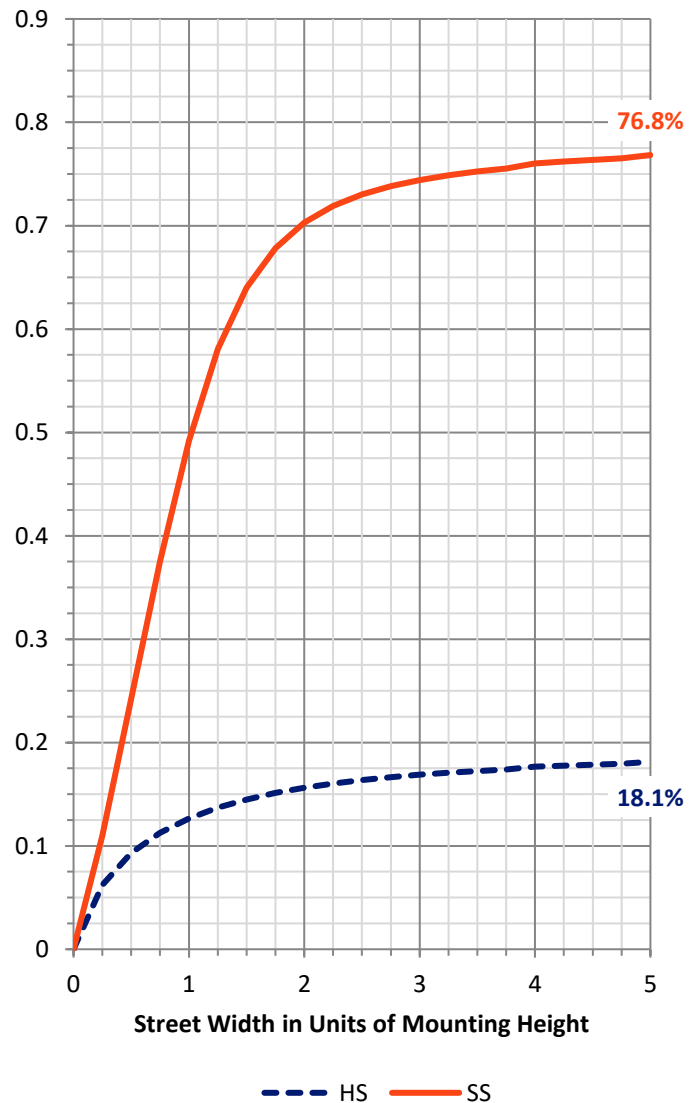
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	440.3	35.7	476.0
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	1804.8	36.2	1841.0
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	2245.0	72.0	2317.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	36.0	1.6
20°-30°	109.7	4.7
30°-40°	245.4	10.6
40°-50°	404.3	17.5
50°-60°	497.6	21.5
60°-70°	482.6	20.8
70°-80°	334.2	14.4
80°-90°	128.0	5.5
90°-100°	36.7	1.6
100°-110°	15.9	0.7
110°-120°	8.6	0.4
120°-130°	5.3	0.2
130°-140°	3.3	0.1
140°-150°	1.6	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2245.0	96.9
0°-180°	2317.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P414210

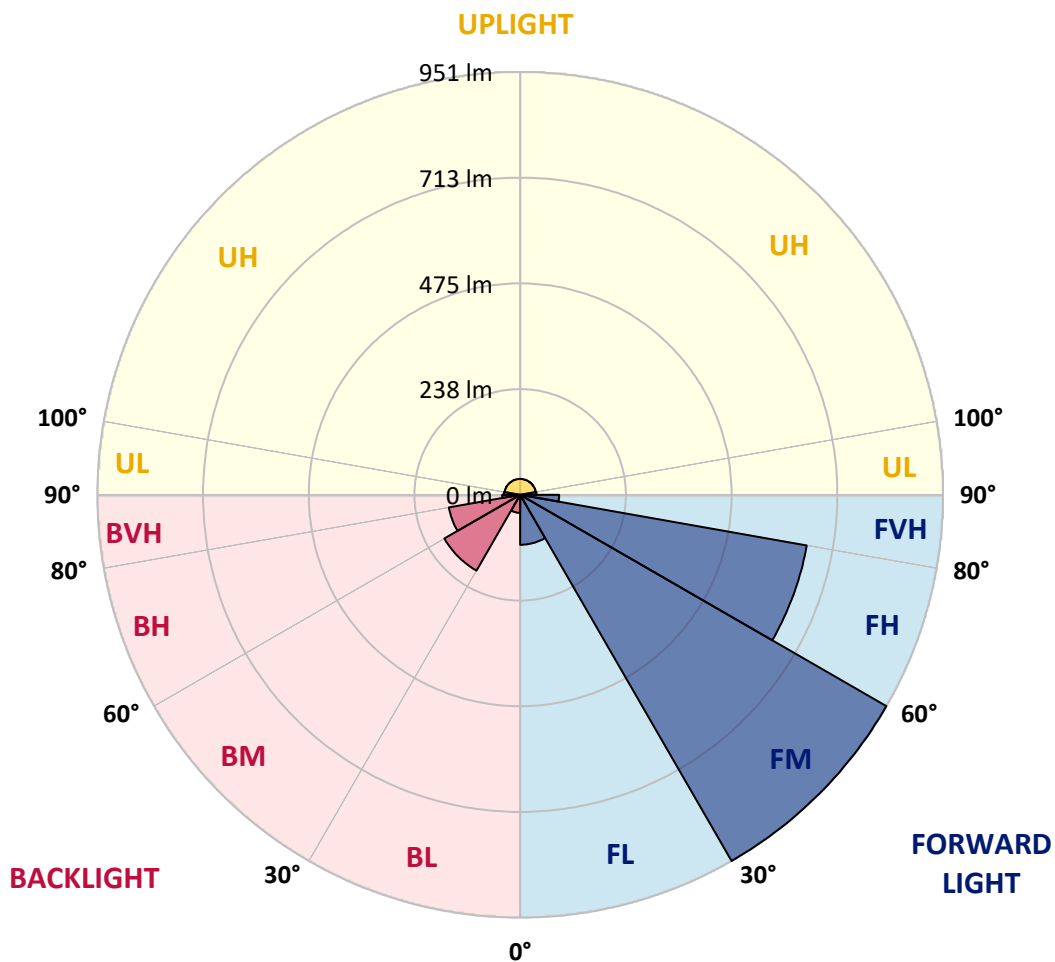
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.3	4.8			
FM	(30°-60°)	950.7	41.0			
FH	(60°-80°)	654.2	28.2			G0/660
FVH	(80°-90°)	87.6	3.8			G1/100
BL	(0°-30°)	40.5	1.8	B0/110		
BM	(30°-60°)	196.7	8.5	B0/220		
BH	(60°-80°)	162.7	7.0	B1/500		G1/500
BVH	(80°-90°)	40.4	1.7			G1/100
UL	(90°-100°)	36.7	1.6		U2/50	
UH	(100°-180°)	35.7	1.5		U2/50	

**BUG Rating: B1-U2-G1**

Type II Medium





REPORT NUMBER: P414210

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2.5°	75.2	74.6	74.6	74.4	73.3	72.2	70.5	68.6	67.0	65.9	64.8
5°	91.4	89.5	90.0	88.4	86.4	84.2	81.2	77.1	73.3	72.4	69.4
7.5°	110.9	108.4	109.2	107.3	103.7	99.1	94.9	88.9	83.1	81.2	76.8
10°	135.6	133.1	131.7	129.0	124.9	118.8	112.5	104.6	96.6	93.9	88.4
12.5°	164.9	163.0	161.1	157.2	150.7	143.0	135.0	126.2	115.8	112.2	103.7
15°	201.4	199.8	195.7	190.4	180.8	172.3	160.3	152.3	139.4	135.0	124.6
17.5°	242.3	239.0	234.9	227.2	216.2	205.5	195.4	181.9	167.9	164.4	151.5
20°	292.8	291.7	283.7	270.8	258.8	244.2	234.4	221.2	205.5	200.6	183.6
22.5°	352.6	350.4	341.1	321.6	303.5	284.8	276.9	263.2	251.9	245.1	222.8
25°	424.5	420.4	405.0	381.7	355.9	333.7	320.5	315.6	306.8	296.4	269.2
27.5°	501.1	501.4	480.2	445.7	409.7	383.1	372.9	374.9	364.2	358.4	325.2
30°	595.8	588.9	561.2	518.6	470.1	435.8	429.7	439.3	436.3	425.1	385.8
32.5°	690.4	688.0	653.7	595.5	531.8	494.2	489.8	510.7	509.9	498.6	448.7
35°	784.8	782.1	739.6	671.8	596.3	553.2	549.4	576.8	586.7	575.5	519.5
37.5°	879.8	873.5	830.7	748.3	657.5	607.3	608.9	643.5	666.6	656.4	587.8
40°	963.5	962.4	912.4	818.9	716.5	662.2	673.1	718.7	747.0	733.0	657.2
42.5°	1027.7	1023.0	978.8	877.3	769.5	713.5	732.4	792.8	829.0	819.4	725.6
45°	1057.3	1054.6	1019.2	921.5	810.6	757.9	787.8	861.4	910.8	900.4	795.8
47.5°	1049.4	1046.9	1027.7	943.2	837.8	796.1	836.7	928.1	996.7	982.7	865.8
50°	1001.6	1004.1	998.1	936.9	847.4	820.5	883.1	994.8	1080.7	1074.1	933.3
52.5°	914.4	921.5	931.1	903.9	838.6	831.5	916.5	1052.7	1164.1	1163.8	1008.2
55°	801.0	806.0	839.4	834.5	805.1	831.2	941.2	1109.7	1257.9	1259.3	1085.6
57.5°	680.8	678.4	722.8	748.6	756.3	810.1	953.3	1160.2	1340.8	1350.4	1167.4
60°	549.4	558.4	600.1	652.8	681.6	768.4	949.2	1195.9	1420.7	1441.8	1241.7
62.5°	446.5	442.4	488.2	545.5	604.0	708.5	919.3	1212.6	1496.7	1520.3	1310.3
65°	337.3	345.8	387.2	438.0	507.4	633.1	871.0	1203.9	1543.6	1573.8	1353.4
67.5°	260.1	266.7	302.1	349.9	420.7	552.9	801.3	1163.0	1550.7	1596.6	1359.5
70°	201.1	206.4	231.3	271.9	339.5	464.6	703.3	1085.0	1511.8	1547.4	1304.0
72.5°	160.3	162.5	180.0	212.9	268.1	379.0	596.9	962.7	1394.0	1425.9	1190.4
75°	126.0	129.2	143.5	168.2	209.4	303.0	487.9	813.4	1214.8	1247.8	1033.7
77.5°	100.2	103.5	114.2	131.4	162.5	233.5	381.2	662.7	991.7	1012.0	823.5
80°	79.6	81.2	90.3	103.2	126.2	180.0	287.0	503.0	751.1	772.2	611.9
82.5°	60.4	61.7	70.8	82.1	98.5	136.4	207.5	353.7	529.1	534.8	415.5
85°	43.4	45.8	53.2	62.6	75.5	101.5	148.7	240.1	337.5	346.3	263.2
87.5°	30.7	31.8	39.2	48.0	57.6	75.2	103.5	158.1	207.7	205.3	159.7
90°	20.9	21.7	28.3	35.4	43.9	56.3	72.2	99.3	127.6	123.5	100.2
92.5°	14.0	15.4	20.9	26.9	34.3	43.4	51.3	65.0	79.0	75.2	63.7
95°	10.4	11.0	15.9	21.4	27.4	33.2	38.1	44.5	50.5	49.4	43.9
97.5°	8.2	8.8	12.9	17.6	22.2	26.9	29.6	31.8	35.1	34.9	31.6
100°	7.1	7.4	11.0	15.1	19.2	22.5	24.1	24.7	25.8	25.2	24.1
102.5°	6.0	6.6	9.6	13.2	16.7	19.2	20.3	19.8	19.5	18.9	17.8
105°	5.5	5.8	8.5	11.8	14.8	16.7	17.0	16.2	14.8	14.5	14.0
107.5°	5.2	5.5	7.7	10.7	13.2	14.8	14.5	13.4	11.8	11.3	11.0
110°	4.9	5.2	7.1	9.6	12.1	13.2	12.9	11.3	9.3	8.8	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	4.9	4.9	6.6	8.8	11.0	11.8	11.3	9.6	7.7	7.4	7.7
115°	4.7	4.9	6.3	8.2	9.9	10.7	9.9	8.2	6.6	6.3	6.6
117.5°	4.7	4.9	6.0	7.7	9.3	9.6	8.8	7.1	5.5	5.5	6.0
120°	4.7	4.9	5.8	7.1	8.5	8.8	8.0	6.3	4.9	4.9	5.5
122.5°	4.9	4.9	5.5	6.9	8.0	8.2	7.1	5.5	4.7	4.7	5.2
125°	4.9	4.9	5.5	6.3	7.4	7.4	6.6	4.9	4.1	4.1	4.9
127.5°	4.9	4.9	5.5	6.0	6.9	6.9	6.0	4.7	3.8	3.8	4.7
130°	4.9	5.2	5.2	5.8	6.3	6.3	5.5	4.1	3.8	3.8	4.4
132.5°	5.2	5.2	5.2	5.5	6.0	5.8	4.7	3.8	3.6	3.6	4.1
135°	4.9	4.9	4.9	5.2	5.5	5.2	4.1	3.3	3.3	3.6	3.8
137.5°	4.9	4.9	4.9	4.7	4.9	4.7	3.8	3.0	3.0	3.3	3.6
140°	4.4	4.7	4.4	4.4	4.4	4.1	3.3	2.5	2.7	3.0	3.0
142.5°	4.1	4.1	4.1	3.8	3.8	3.6	2.7	2.2	2.5	2.5	2.7
145°	3.8	3.8	3.6	3.3	3.3	2.7	2.2	1.9	2.2	2.2	2.5
147.5°	3.3	3.3	3.3	2.7	2.5	2.2	1.4	1.4	1.6	1.9	1.9
150°	2.7	2.7	2.7	2.5	1.9	1.6	1.1	1.4	1.4	1.4	1.6
152.5°	2.2	2.2	2.2	1.9	1.6	1.1	0.8	1.1	1.1	1.1	1.4
155°	1.4	1.4	1.4	1.4	1.1	0.5	0.8	0.8	1.1	1.1	1.1
157.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.5	0.8	0.5	0.5	0.5	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





REPORT NUMBER: P414210

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2.5°	63.9	63.1	61.7	60.4	59.0	57.6	56.5	56.3	55.4	55.4	55.2
5°	67.8	66.4	62.8	60.1	57.1	54.6	52.7	51.9	51.0	50.5	50.5
7.5°	74.6	71.6	66.4	61.7	57.6	54.1	51.6	50.2	49.1	48.6	48.6
10°	84.0	80.1	72.2	65.3	59.3	54.9	52.1	50.5	49.7	49.1	48.8
12.5°	97.7	92.2	80.7	70.8	63.1	57.6	54.1	53.0	53.2	53.2	53.2
15°	116.4	108.4	92.8	79.3	68.3	61.2	58.7	58.7	59.5	59.8	59.3
17.5°	140.5	129.8	107.8	87.8	74.9	67.5	64.8	64.8	66.1	67.0	67.0
20°	170.1	154.8	123.8	99.1	82.6	74.6	71.3	71.6	73.3	74.4	74.4
22.5°	204.2	186.1	144.1	110.6	91.1	81.0	77.4	77.7	80.4	81.8	82.3
25°	248.3	220.4	164.4	122.4	99.1	87.0	83.4	83.7	87.3	89.2	89.2
27.5°	295.0	258.5	185.0	133.9	105.9	92.5	88.9	89.7	93.6	95.2	95.8
30°	344.7	299.1	205.5	143.8	111.4	96.6	93.0	94.7	98.2	100.7	101.0
32.5°	399.8	338.9	222.0	151.8	116.1	100.2	96.6	99.1	102.1	104.8	105.1
35°	457.5	378.4	236.5	157.2	119.1	103.2	99.3	101.8	104.8	107.3	107.0
37.5°	509.0	410.8	246.2	159.4	120.7	104.8	101.3	103.7	106.5	108.4	108.4
40°	559.8	444.6	250.8	157.8	120.7	105.7	102.1	104.8	107.3	108.4	108.4
42.5°	608.1	469.5	250.0	154.5	120.2	105.9	102.6	105.1	107.3	107.8	107.8
45°	649.8	492.6	245.1	149.0	118.3	105.7	102.9	105.1	106.7	106.7	107.0
47.5°	699.2	510.7	237.9	143.2	116.1	105.1	102.4	104.8	106.2	106.2	105.9
50°	743.7	528.3	228.3	136.9	114.2	104.6	102.1	104.6	106.2	105.7	105.7
52.5°	790.9	543.9	218.4	131.2	112.2	104.3	102.1	104.6	106.2	105.9	106.2
55°	834.5	559.5	206.1	126.0	111.1	104.0	102.4	104.8	107.0	107.0	106.7
57.5°	890.5	567.8	196.5	122.4	110.0	104.0	102.6	105.4	108.1	108.4	108.7
60°	930.0	578.5	188.5	120.2	110.0	104.6	103.5	106.2	109.8	111.1	112.0
62.5°	958.8	577.9	178.9	119.1	110.3	105.1	104.3	107.0	111.7	113.6	114.7
65°	973.9	568.0	169.0	118.3	110.6	105.7	104.8	107.6	113.1	116.6	117.7
67.5°	954.1	541.4	158.9	116.9	110.3	105.4	105.1	108.1	113.9	118.5	119.1
70°	906.1	496.4	146.8	113.9	109.2	104.6	104.3	106.7	113.1	118.5	119.1
72.5°	815.0	439.3	132.8	109.5	106.7	102.6	101.8	104.3	110.3	115.8	115.8
75°	693.2	373.2	119.1	103.2	101.8	99.3	98.5	99.9	105.1	110.3	110.6
77.5°	542.8	297.2	104.6	94.4	95.8	93.9	93.0	93.9	98.5	102.1	102.4
80°	413.0	226.4	90.6	84.0	87.3	86.7	85.9	85.6	88.9	91.7	90.8
82.5°	284.8	161.1	74.9	73.0	76.6	77.4	77.1	75.2	77.7	79.9	78.5
85°	183.9	113.9	62.6	61.7	65.0	66.4	66.1	64.8	65.3	67.8	65.0
87.5°	118.8	81.8	51.6	51.0	53.8	55.4	55.4	52.7	53.8	56.3	53.2
90°	74.4	57.9	43.1	42.8	44.7	45.6	44.5	42.8	43.4	44.7	43.6
92.5°	52.7	43.6	35.9	35.9	36.5	37.0	36.5	34.6	35.7	35.7	35.7
95°	38.4	34.6	31.3	30.7	30.5	30.2	29.9	28.5	29.6	29.4	28.5
97.5°	29.4	27.7	26.6	26.3	25.8	25.5	25.2	24.1	25.0	24.4	23.9
100°	23.1	22.8	22.8	22.8	22.2	21.4	21.4	21.1	21.1	20.3	20.3
102.5°	18.4	18.4	19.5	19.8	19.2	18.7	18.7	18.4	18.1	17.0	16.7
105°	14.5	15.1	16.7	17.0	16.7	16.2	15.9	15.9	15.4	14.0	14.0
107.5°	11.8	12.3	14.3	14.8	14.5	14.3	14.0	13.7	13.2	11.8	11.8
110°	9.6	10.4	12.1	12.9	12.6	12.3	12.3	11.8	11.3	10.2	10.2



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	9.1	10.4	11.3	11.3	11.0	10.7	10.4	9.6	8.8	8.8
115°	7.1	8.0	9.3	9.9	9.9	9.6	9.3	9.1	8.2	7.7	8.0
117.5°	6.6	7.1	8.2	8.8	8.8	8.5	8.2	8.0	7.4	7.1	7.1
120°	6.0	6.6	7.4	8.0	8.0	7.7	7.4	7.1	6.6	6.6	6.6
122.5°	5.5	6.0	6.9	7.1	7.1	6.9	6.6	6.3	5.8	6.0	6.0
125°	5.2	5.5	6.0	6.6	6.6	6.3	6.0	5.5	5.2	5.5	5.5
127.5°	4.9	5.2	5.8	6.0	6.0	5.8	5.2	4.9	4.7	4.9	4.9
130°	4.7	4.9	5.2	5.5	5.5	4.9	4.7	4.4	4.4	4.7	4.7
132.5°	4.4	4.7	4.7	4.9	4.9	4.7	4.1	3.8	3.8	4.1	4.1
135°	4.1	4.1	4.4	4.4	4.4	4.1	3.6	3.3	3.6	3.8	3.8
137.5°	3.6	3.8	3.8	4.1	3.8	3.6	3.0	3.0	3.3	3.3	3.3
140°	3.3	3.3	3.6	3.6	3.3	3.0	2.7	2.5	2.7	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	2.5	2.2	2.2	2.5	2.5	2.5
145°	2.5	2.5	2.7	2.5	2.5	1.9	1.6	1.9	2.2	2.2	2.2
147.5°	1.9	2.2	2.2	2.2	1.9	1.4	1.1	1.6	1.9	1.9	1.9
150°	1.6	1.6	1.6	1.6	1.6	1.1	0.8	1.4	1.6	1.6	1.6
152.5°	1.4	1.4	1.6	1.6	1.4	0.8	0.5	1.1	1.4	1.4	1.1
155°	1.1	1.1	1.4	1.4	1.1	0.5	0.5	0.8	1.1	1.1	0.8
157.5°	0.8	1.1	1.1	1.1	0.8	0.5	0.3	0.5	0.8	0.8	0.8
160°	0.8	0.8	0.8	1.1	0.8	0.5	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)