

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: P414579

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-727-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2997 lumens  
Efficiency: N/A  
Efficacy: 96.7 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): 31  
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

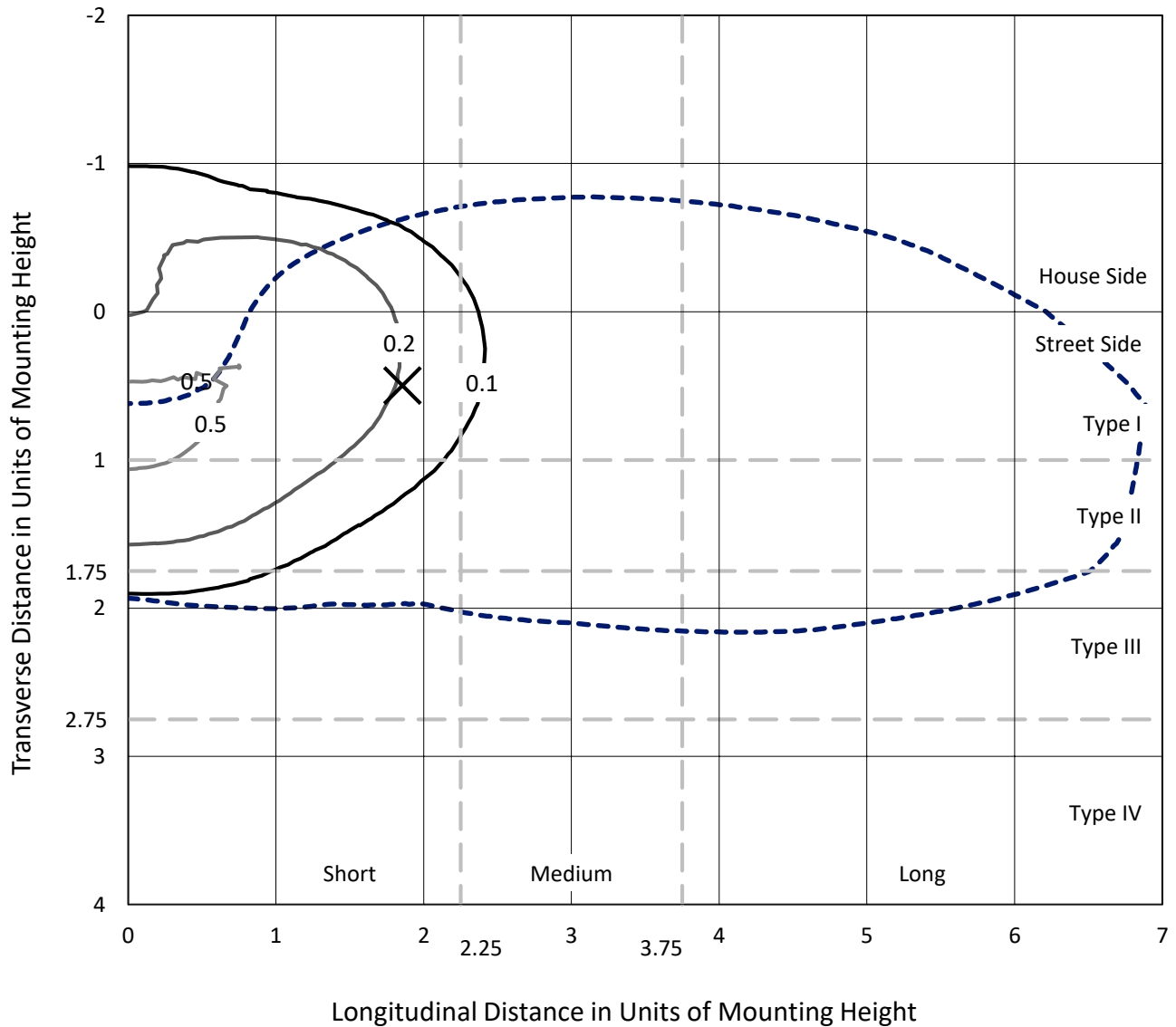


REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

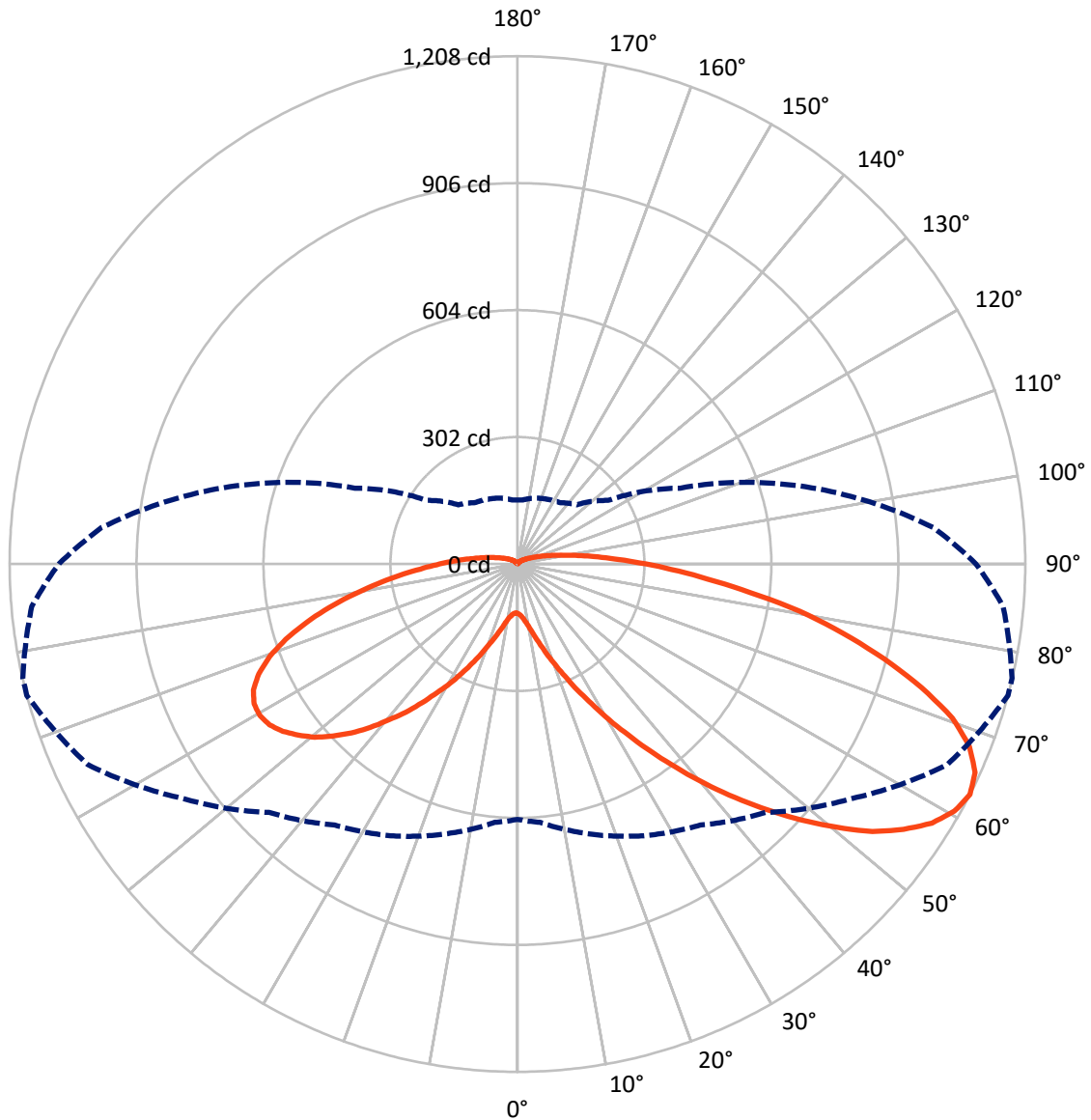


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

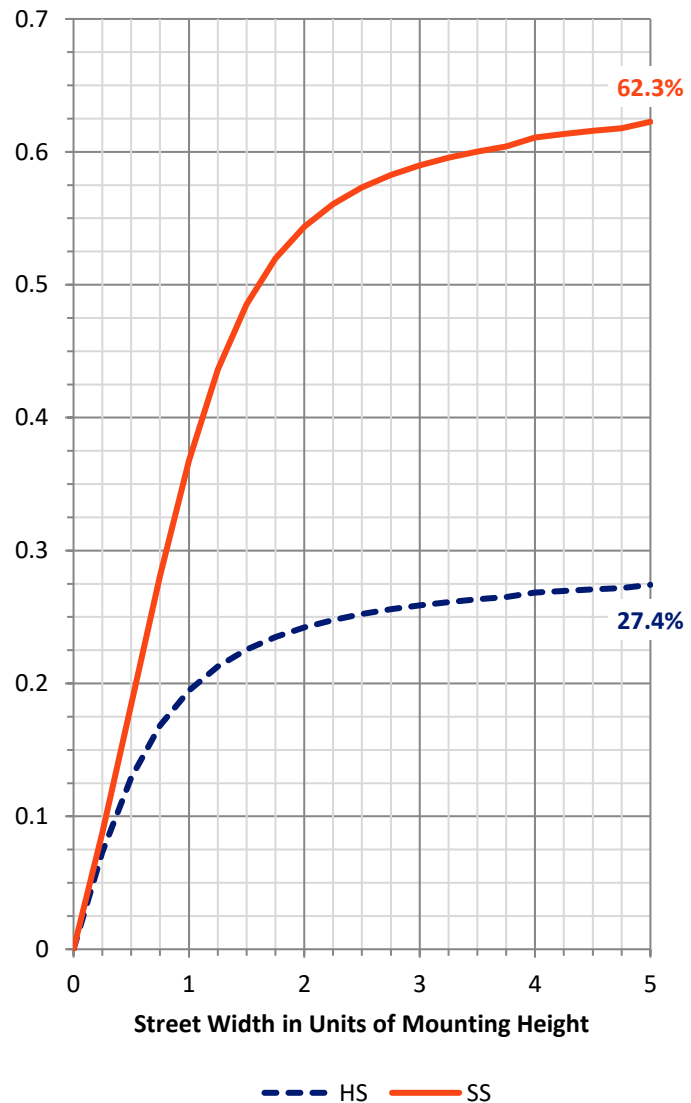
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	857.1	91.1	948.2
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	1923.7	125.1	2048.8
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	2780.7	216.3	2997.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.4	0.4
10°-20°	52.1	1.7
20°-30°	135.0	4.5
30°-40°	276.1	9.2
40°-50°	458.0	15.3
50°-60°	594.1	19.8
60°-70°	585.1	19.5
70°-80°	430.0	14.3
80°-90°	237.9	7.9
90°-100°	112.4	3.7
100°-110°	53.7	1.8
110°-120°	27.4	0.9
120°-130°	14.2	0.5
130°-140°	6.5	0.2
140°-150°	1.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2780.7	92.8
0°-180°	2997.0	100.0



REPORT NUMBER: P414579

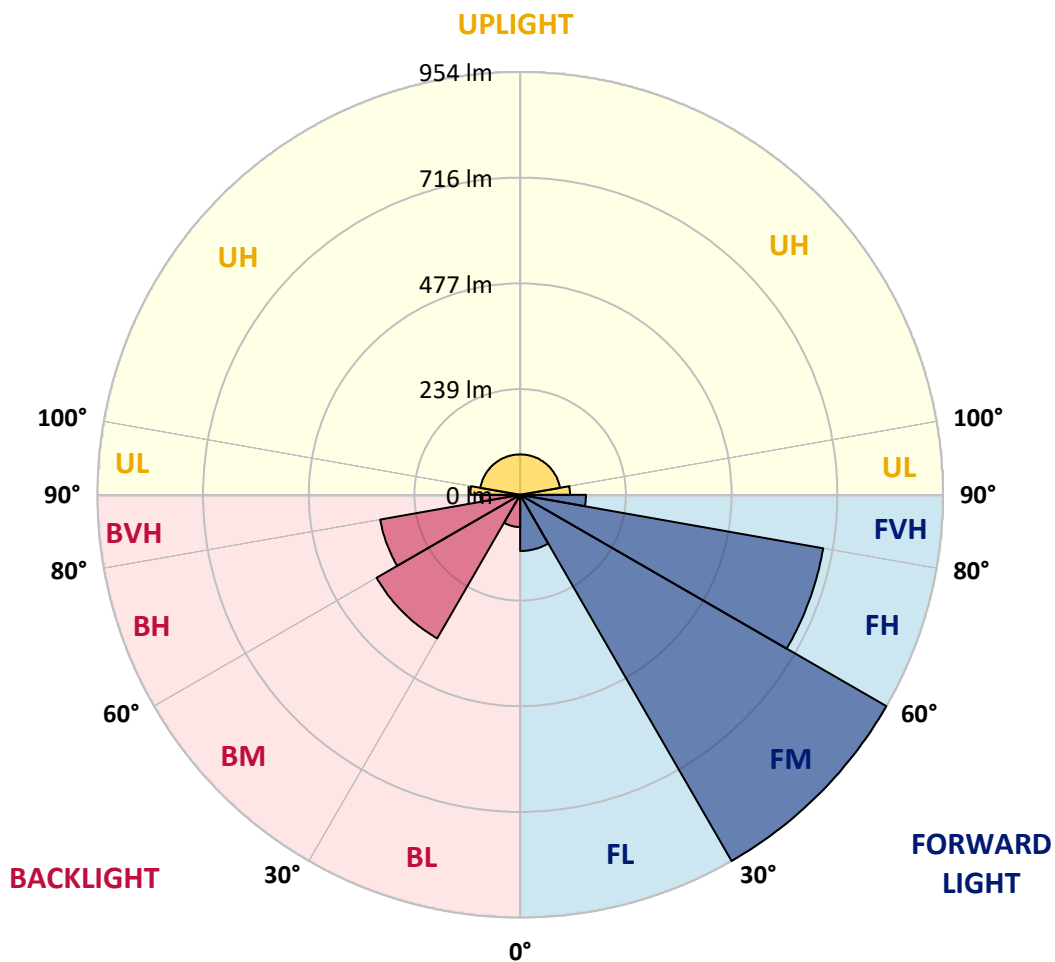
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.8	4.2			
FM (30°-60°)	954.1	31.8			
FH (60°-80°)	694.5	23.2			G1/1800
FVH (80°-90°)	148.3	4.9			G2/225
BL (0°-30°)	72.7	2.4	B0/110		
BM (30°-60°)	374.1	12.5	B1/1000		
BH (60°-80°)	320.6	10.7	B1/500		G1/500
BVH (80°-90°)	89.6	3.0			G1/100
UL (90°-100°)	112.4	3.7		U3/500	
UH (100°-180°)	91.1	3.0		U3/500	

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

Type III Short





REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	131.2	130.1	129.4	128.3	127.6	126.2	124.8	122.7	120.9	120.6	119.2
5°	145.0	143.2	143.2	141.4	139.0	137.2	134.4	130.8	128.0	126.2	124.8
7.5°	162.6	161.2	159.5	158.0	155.6	152.4	148.5	143.9	138.2	137.2	133.7
10°	182.4	181.7	180.3	177.5	174.3	170.1	164.8	159.1	152.7	151.7	145.7
12.5°	208.6	208.6	206.5	202.6	198.0	190.2	185.6	179.6	172.2	171.1	162.6
15°	240.8	239.4	236.5	229.8	224.5	218.2	212.5	204.7	194.8	193.1	185.3
17.5°	276.1	273.3	271.9	265.5	258.5	250.7	242.9	234.4	223.5	220.6	211.4
20°	315.7	317.5	312.2	305.1	294.5	286.7	277.9	266.9	254.9	252.8	241.8
22.5°	365.6	364.2	356.8	346.9	336.6	328.1	316.8	305.8	289.6	287.5	274.7
25°	420.8	419.3	409.8	397.4	385.7	370.5	357.5	345.8	332.4	329.2	314.0
27.5°	474.8	481.9	467.4	452.2	438.4	421.5	405.9	391.1	375.8	373.4	357.5
30°	548.7	550.5	533.5	512.7	493.9	472.7	456.5	443.0	429.9	421.8	407.3
32.5°	625.8	620.2	606.7	581.3	551.6	527.9	509.9	497.5	485.1	480.9	459.6
35°	702.2	702.2	681.3	647.0	608.1	584.1	566.4	559.0	547.7	541.0	517.3
37.5°	777.2	776.1	754.9	714.6	674.6	641.7	630.4	621.9	614.2	607.4	578.4
40°	851.1	849.3	823.8	784.6	737.9	704.0	694.8	696.2	687.0	677.8	648.8
42.5°	910.5	909.7	889.6	850.3	794.5	764.4	755.2	763.7	759.5	750.6	716.7
45°	957.8	954.6	938.7	898.8	848.2	816.4	818.9	839.4	834.4	830.2	788.1
47.5°	977.6	977.3	968.4	933.8	887.1	864.8	879.0	907.6	909.4	905.9	858.8
50°	972.3	973.7	973.0	951.8	913.6	902.3	929.5	978.3	984.0	980.5	932.0
52.5°	941.2	941.9	953.6	944.4	922.8	926.0	974.4	1037.0	1056.8	1047.3	996.7
55°	875.4	884.3	907.3	912.6	909.7	931.3	1001.3	1083.7	1113.8	1110.6	1052.9
57.5°	807.6	803.3	836.2	861.7	876.5	917.2	1010.2	1116.9	1162.2	1158.0	1103.1
60°	708.6	714.9	755.2	791.7	823.1	883.2	1002.0	1134.6	1193.7	1191.2	1139.9
62.5°	607.4	616.6	664.4	712.8	757.7	835.1	971.6	1127.9	1207.5	1207.1	1159.4
65°	512.3	522.2	566.1	624.8	682.0	770.1	918.6	1099.3	1195.8	1196.5	1155.8
67.5°	427.8	433.1	479.1	543.8	599.7	693.7	850.3	1042.7	1159.0	1162.9	1127.5
70°	352.5	356.4	401.0	458.6	523.3	608.5	767.6	970.2	1097.5	1098.9	1076.6
72.5°	289.2	292.8	335.5	386.8	446.6	533.9	682.4	871.2	1004.9	1019.0	998.1
75°	231.2	238.3	275.1	324.9	378.3	456.1	592.2	764.8	900.9	912.9	909.7
77.5°	188.5	198.0	227.3	270.1	319.3	386.8	502.1	659.8	790.9	800.8	803.3
80°	152.0	159.1	188.5	226.3	268.0	326.7	419.7	557.2	680.3	681.3	680.3
82.5°	123.4	128.7	154.9	189.2	225.9	274.7	351.8	464.9	557.9	569.3	571.4
85°	100.4	104.3	126.9	157.7	188.8	230.2	290.3	379.7	453.3	464.9	461.1
87.5°	80.6	85.9	104.0	130.1	159.1	192.0	241.5	307.3	365.9	370.9	370.2
90°	66.1	67.9	85.9	108.2	134.4	159.5	197.3	247.5	291.3	300.2	294.2
92.5°	53.4	56.2	71.4	91.6	112.1	134.0	163.7	203.3	230.5	235.8	233.0
95°	44.9	46.3	60.1	76.7	94.4	114.2	135.1	162.3	182.4	184.2	184.9
97.5°	37.5	38.9	50.2	65.4	80.6	96.5	112.4	132.6	146.0	145.7	144.6
100°	32.2	32.9	43.1	56.9	70.4	82.0	94.4	106.8	114.9	117.4	113.5
102.5°	27.9	28.3	37.1	49.1	60.5	70.7	79.9	88.7	91.9	92.3	90.5
105°	24.8	25.1	32.5	42.4	52.7	60.5	67.5	72.8	74.3	74.3	72.1
107.5°	21.9	22.3	27.9	37.5	46.7	53.0	58.0	60.8	60.1	59.8	58.3
110°	20.2	20.2	24.8	33.2	40.7	46.3	50.2	50.6	48.8	48.8	47.4



REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	18.4	18.4	21.9	29.3	36.1	41.0	43.5	42.8	40.3	39.6	39.6
115°	17.0	17.0	19.4	25.8	32.2	36.1	37.8	36.1	33.2	32.9	32.5
117.5°	15.9	15.9	17.7	23.0	28.3	31.8	32.9	31.1	27.9	27.6	27.6
120°	14.9	14.9	16.3	20.2	25.1	27.9	28.6	26.5	23.3	23.3	23.7
122.5°	14.1	14.1	14.9	18.0	22.3	24.8	24.8	22.6	19.8	19.8	20.2
125°	13.4	13.4	13.8	15.9	19.4	21.6	21.2	18.7	17.0	17.0	17.3
127.5°	12.7	12.7	12.7	14.1	17.0	18.7	18.4	15.9	14.5	14.5	15.2
130°	12.0	12.0	11.7	12.4	14.5	15.9	15.2	13.4	12.4	12.4	13.1
132.5°	11.3	11.3	10.6	11.0	12.4	13.1	12.4	11.0	10.6	10.6	11.0
135°	10.6	10.3	9.9	9.5	10.3	10.6	9.9	8.8	8.8	8.8	9.5
137.5°	9.5	9.5	8.8	8.1	8.1	8.1	7.8	6.7	7.1	7.4	7.8
140°	8.8	8.8	8.1	7.1	6.4	6.4	5.7	5.3	5.7	6.0	6.4
142.5°	7.8	7.8	7.1	6.0	5.0	4.2	3.9	3.5	4.2	4.6	4.6
145°	6.7	6.7	6.0	4.6	3.5	2.5	2.1	2.5	2.8	3.2	3.5
147.5°	5.7	5.3	4.6	3.5	1.8	1.1	0.7	1.4	1.8	1.8	2.1
150°	4.2	4.2	3.5	2.5	1.1	0.0	0.4	0.7	1.1	1.1	1.4
152.5°	3.2	2.8	2.5	1.4	0.0	0.0	0.0	0.0	0.4	0.7	0.7
155°	1.8	1.8	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.0	0.0	0.0	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





REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	118.4	117.4	116.0	114.9	113.9	112.4	111.7	110.7	110.7	110.7	111.4
5°	122.7	121.3	118.1	115.3	112.4	110.3	108.2	106.8	106.1	105.4	105.7
7.5°	130.5	128.7	123.8	118.8	114.9	111.0	108.2	105.7	104.7	104.3	104.3
10°	142.5	139.3	131.9	125.2	119.5	114.2	110.3	107.1	105.7	104.7	104.7
12.5°	158.8	154.2	145.3	136.1	127.6	120.6	114.9	112.4	111.4	110.7	111.0
15°	180.3	175.4	161.9	149.9	139.0	129.4	124.1	121.6	120.2	119.5	119.2
17.5°	205.4	198.4	182.1	166.5	152.7	142.1	135.4	131.5	129.1	127.6	128.0
20°	233.0	223.8	203.0	186.0	168.3	157.7	147.4	141.1	137.9	137.2	137.5
22.5°	264.1	254.6	230.5	205.8	187.4	171.5	159.1	151.0	147.1	146.7	146.7
25°	300.9	288.2	259.9	228.8	205.1	184.9	170.4	160.5	156.3	154.9	154.9
27.5°	342.6	325.6	290.6	254.9	222.4	196.9	180.0	168.7	164.1	163.0	163.0
30°	388.6	370.9	326.3	279.7	239.0	207.5	188.5	176.4	170.4	169.0	169.4
32.5°	439.1	416.2	359.9	306.2	253.5	216.0	194.1	182.1	175.4	173.6	173.6
35°	493.9	467.1	399.9	332.0	267.3	222.8	198.4	186.0	178.6	176.8	176.4
37.5°	555.5	521.9	441.3	355.7	278.3	227.0	201.2	188.5	180.3	177.8	177.5
40°	619.8	581.3	479.4	377.3	287.5	229.5	201.9	189.5	181.0	177.1	176.8
42.5°	679.9	637.5	522.9	397.1	293.1	230.5	201.5	189.2	180.3	175.0	174.7
45°	746.4	694.4	562.9	415.1	296.6	229.8	200.1	187.4	178.9	172.2	171.5
47.5°	816.0	756.3	599.7	428.2	298.1	227.7	198.4	186.0	176.4	169.0	168.3
50°	879.0	809.3	634.0	438.4	297.4	224.5	195.5	183.9	174.3	165.8	165.1
52.5°	940.5	864.8	660.8	444.1	293.8	221.0	193.1	181.4	171.8	163.0	161.9
55°	996.4	908.7	684.9	446.6	289.2	216.4	189.5	179.3	169.7	160.2	159.1
57.5°	1039.5	950.1	702.5	443.4	282.2	211.1	186.0	176.1	167.2	157.7	156.6
60°	1071.3	977.3	710.7	437.4	274.0	205.1	181.7	172.9	164.8	155.6	154.5
62.5°	1090.4	992.5	708.9	426.8	263.8	199.1	177.8	169.7	162.3	153.1	152.4
65°	1087.2	986.5	695.5	409.8	252.8	191.3	171.8	165.5	158.8	150.3	149.2
67.5°	1061.4	962.1	668.3	388.6	240.4	183.5	166.2	159.8	154.2	146.7	144.6
70°	1015.5	917.2	629.0	362.1	226.3	174.7	159.5	153.5	148.5	141.4	139.3
72.5°	938.0	851.8	579.2	334.5	211.1	164.4	150.6	145.7	140.4	134.7	132.2
75°	849.6	769.7	520.5	302.0	194.8	154.2	141.4	136.5	131.5	125.5	123.4
77.5°	753.5	676.7	459.6	273.3	178.2	142.5	131.2	126.9	122.0	115.6	113.1
80°	638.6	577.4	394.9	240.4	161.6	131.2	120.6	116.0	110.7	104.7	102.2
82.5°	535.0	480.9	335.2	210.7	145.0	119.5	110.3	103.6	98.6	92.6	88.4
85°	437.4	399.5	281.1	181.0	129.4	107.5	98.3	92.6	87.0	79.9	77.1
87.5°	351.8	319.6	230.9	156.3	114.2	95.8	87.3	81.7	75.3	67.9	65.4
90°	278.3	258.5	192.0	134.4	101.1	85.9	77.4	71.4	64.4	57.6	56.2
92.5°	220.6	206.8	158.8	114.2	89.1	76.0	68.2	62.2	55.2	48.4	46.3
95°	177.5	164.1	130.1	99.7	78.1	66.8	60.1	54.5	47.4	40.7	39.2
97.5°	141.8	131.2	106.8	83.8	68.6	59.4	53.4	47.4	40.3	34.3	33.6
100°	111.0	104.7	88.4	72.1	60.5	52.7	47.0	41.7	34.7	28.6	28.3
102.5°	88.7	85.2	73.5	62.2	53.0	46.7	42.1	36.4	30.1	24.4	24.0
105°	71.4	69.3	61.2	53.4	47.0	41.7	37.5	31.8	25.5	20.9	20.9
107.5°	58.0	56.2	51.3	45.6	41.4	37.5	32.9	27.9	21.9	18.0	18.0
110°	47.4	46.7	43.5	39.6	36.4	33.2	29.0	24.0	18.7	15.9	15.9



REPORT NUMBER: P414579

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	39.6	39.2	36.8	34.7	32.2	29.3	25.8	21.2	16.3	13.8	14.1
115°	32.9	32.9	31.5	30.1	28.3	26.2	22.6	18.0	13.8	12.4	12.4
117.5°	27.9	27.6	27.2	26.2	25.1	23.0	19.4	15.6	11.7	11.0	11.3
120°	24.0	24.0	23.3	23.0	21.9	19.8	17.0	13.1	9.9	9.9	9.9
122.5°	20.5	20.9	20.2	19.8	19.1	17.7	14.5	11.0	8.8	8.5	8.8
125°	18.0	18.0	17.7	17.3	16.6	14.9	12.4	9.2	7.4	7.8	7.8
127.5°	15.2	15.6	15.2	14.9	14.5	12.7	10.3	7.4	6.4	6.7	6.7
130°	13.4	13.4	13.1	12.7	12.0	10.6	8.5	6.0	5.7	6.0	6.0
132.5°	11.3	11.3	11.3	10.6	9.9	8.8	6.7	5.0	4.6	5.3	5.3
135°	9.5	9.5	9.5	8.8	8.1	6.7	5.0	3.9	3.9	4.6	4.6
137.5°	7.8	8.1	7.8	7.1	6.4	5.3	3.9	2.8	3.2	3.9	3.9
140°	6.4	6.4	6.0	5.7	4.6	3.5	2.5	2.1	2.8	3.2	3.2
142.5°	5.0	5.0	4.6	3.9	3.2	2.5	1.4	1.4	2.1	2.5	2.5
145°	3.5	3.5	3.2	2.5	1.8	1.1	0.4	0.7	1.4	1.8	1.8
147.5°	2.1	2.1	2.1	1.8	1.1	0.4	0.0	0.4	0.7	1.1	1.1
150°	1.4	1.4	1.4	1.1	0.7	0.0	0.0	0.0	0.4	0.7	0.7
152.5°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)