

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: P414332

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-750-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2622.9 lumens  
Efficiency: N/A  
Efficacy: 124.9 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 - U2 - G2

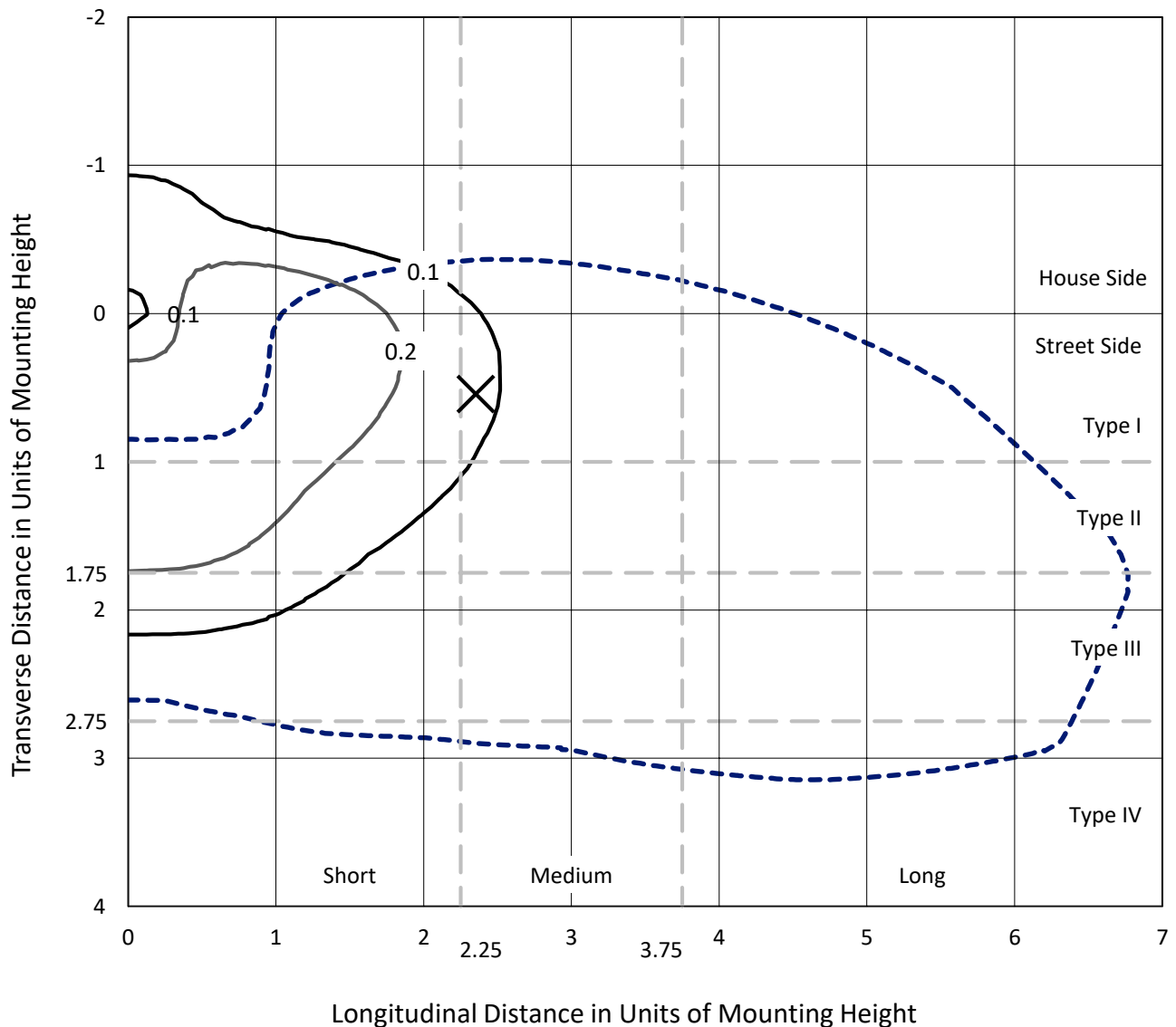
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414332  
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

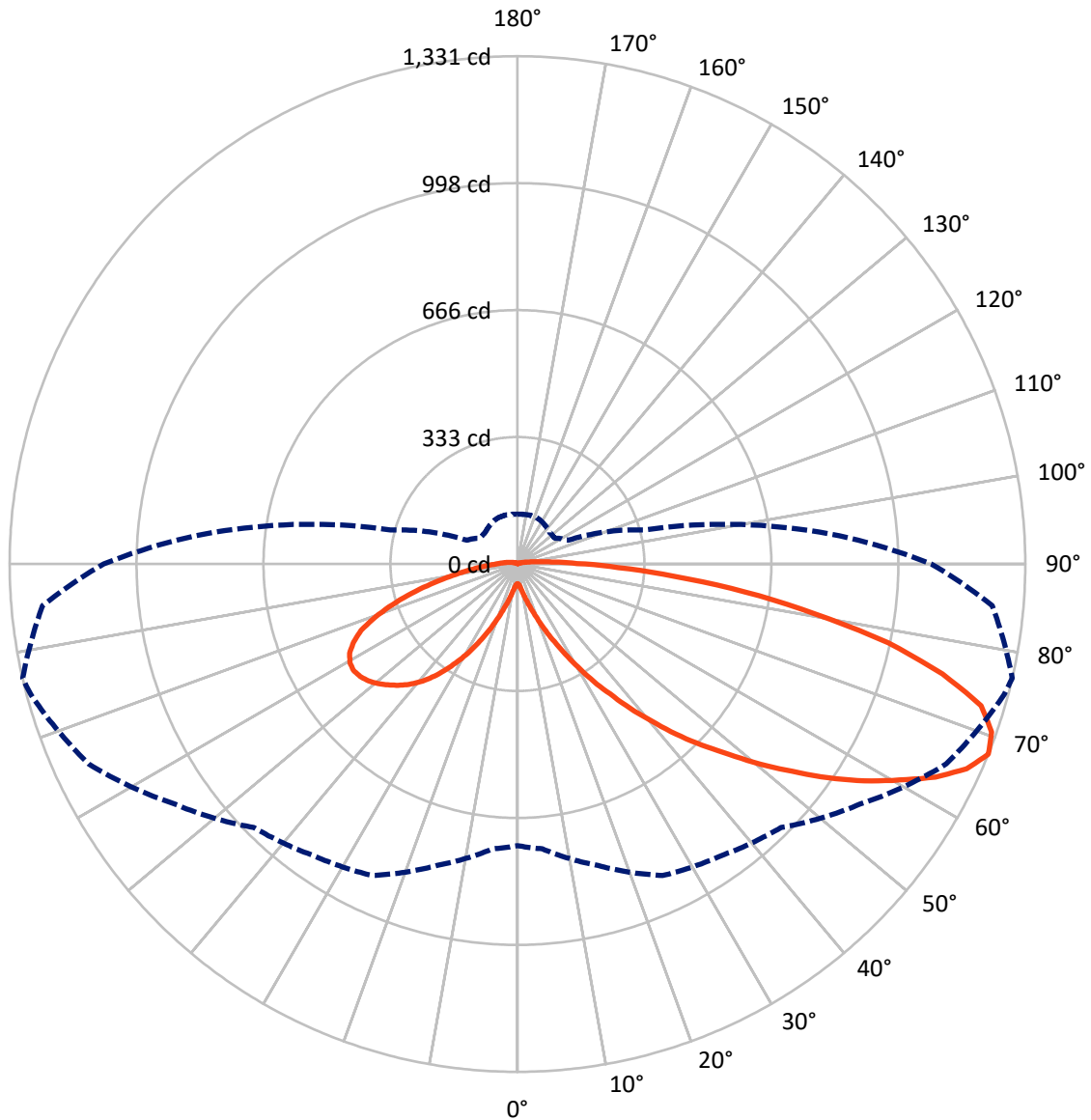
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414332  
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P414332

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

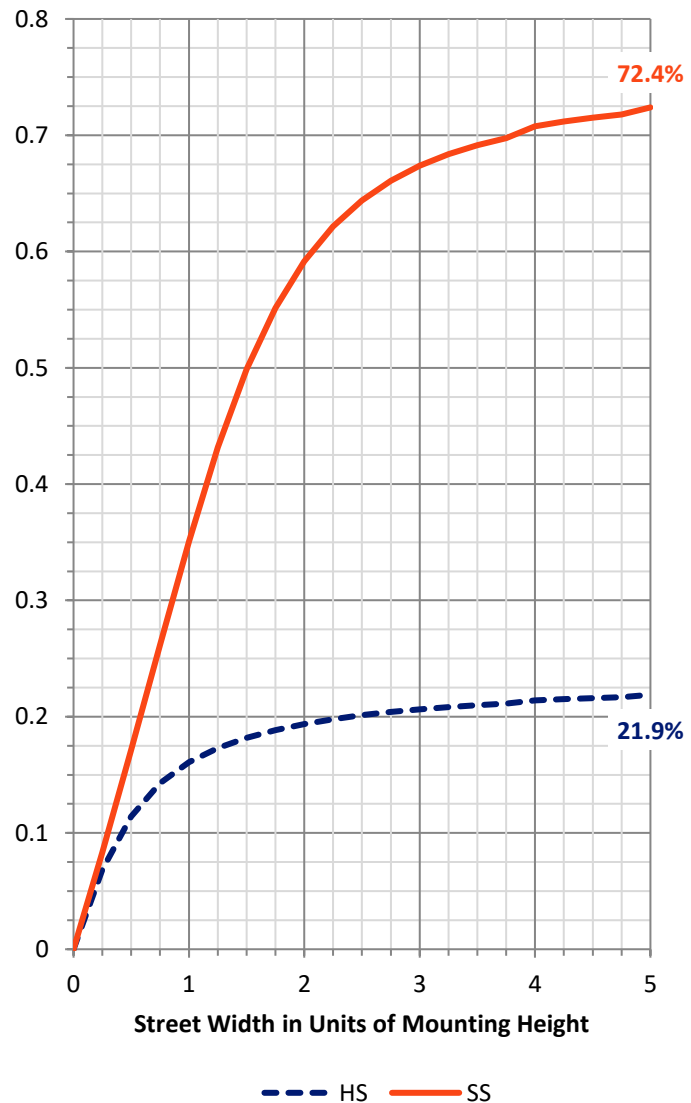
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	598.4	39.4	637.8
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	1941.3	43.9	1985.1
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	2539.7	83.2	2622.9
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	30.4	1.2
20°-30°	90.9	3.5
30°-40°	201.3	7.7
40°-50°	360.5	13.7
50°-60°	539.9	20.6
60°-70°	636.4	24.3
70°-80°	485.9	18.5
80°-90°	188.4	7.2
90°-100°	48.0	1.8
100°-110°	18.2	0.7
110°-120°	8.5	0.3
120°-130°	4.5	0.2
130°-140°	2.5	0.1
140°-150°	1.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2539.7	96.8
0°-180°	2622.9	100.0



REPORT NUMBER: P414332

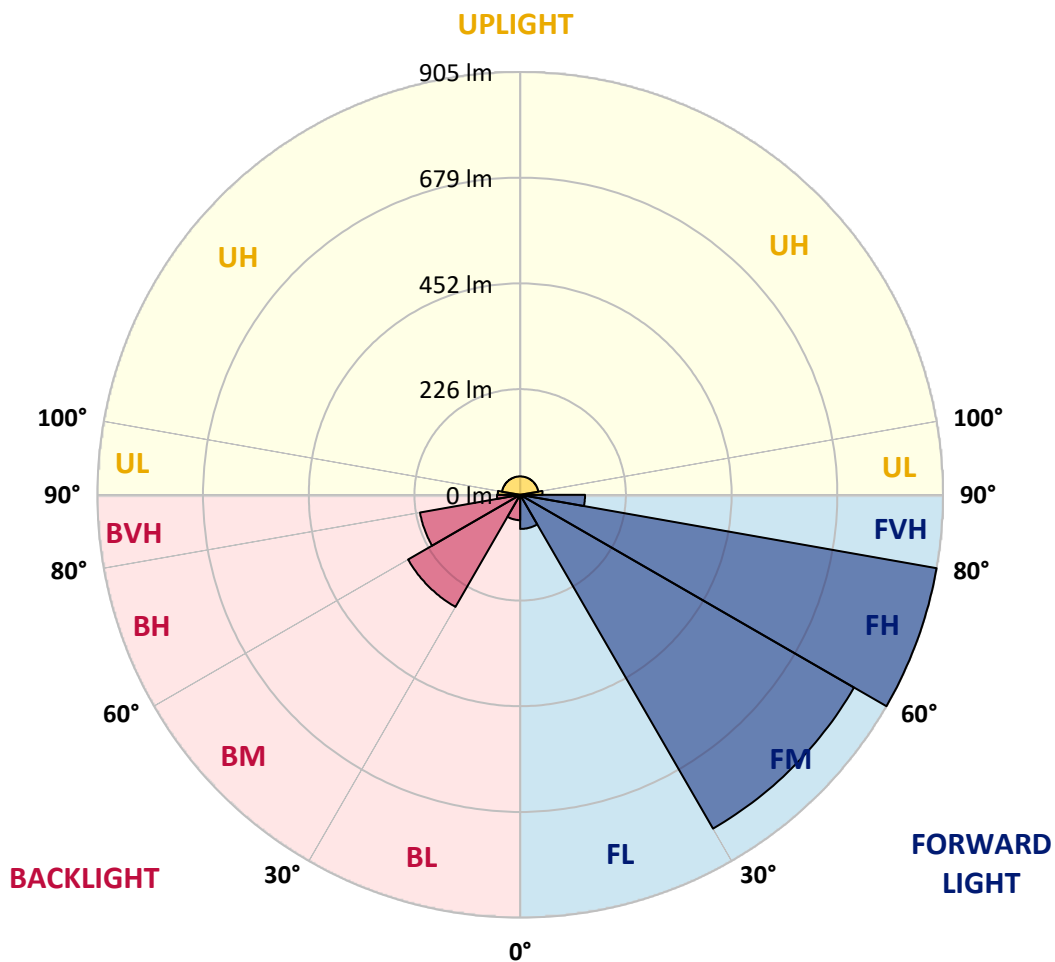
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.1	2.8			
FM	(30°-60°)	824.7	31.4			
FH	(60°-80°)	904.7	34.5			G1/1800
FVH	(80°-90°)	138.7	5.3			G2/225
BL	(0°-30°)	54.2	2.1	B0/110		
BM	(30°-60°)	277.0	10.6	B1/1000		
BH	(60°-80°)	217.6	8.3	B1/500		G1/500
BVH	(80°-90°)	49.6	1.9			G1/100
UL	(90°-100°)	48.0	1.8		U2/50	
UH	(100°-180°)	39.4	1.5		U2/50	

**BUG Rating: B1-U2-G2**

Type IV Medium





REPORT NUMBER: P414332

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
2.5°	54.5	54.2	54.5	54.5	54.8	54.2	53.6	53.3	53.0	53.0	52.7
5°	60.3	59.7	60.0	60.3	60.0	59.4	58.5	58.2	57.6	57.6	57.0
7.5°	68.4	68.4	68.1	67.5	68.1	67.2	66.6	66.3	65.4	65.1	64.8
10°	80.8	80.2	79.9	79.3	78.7	78.3	77.1	77.1	75.6	76.2	75.3
12.5°	96.7	95.5	95.8	94.6	92.8	91.6	91.0	90.7	90.7	90.7	90.4
15°	116.0	115.1	114.8	112.1	110.3	108.8	107.6	107.9	109.4	109.7	108.5
17.5°	138.0	139.5	136.8	134.4	131.7	128.7	128.7	128.7	129.9	130.8	130.2
20°	168.8	165.7	162.7	158.8	154.3	151.9	150.7	154.3	156.4	157.9	157.3
22.5°	202.5	199.5	196.2	189.8	183.5	179.0	179.0	183.5	188.3	190.1	190.8
25°	240.8	242.6	234.4	224.8	213.4	209.4	210.0	216.7	223.9	225.4	229.0
27.5°	288.1	288.1	281.2	265.8	250.7	242.9	243.5	254.3	265.2	267.3	270.0
30°	345.6	343.5	334.2	313.7	293.8	279.0	281.8	295.0	312.2	314.0	317.3
32.5°	409.8	409.5	391.4	366.1	337.5	320.0	321.2	340.5	361.9	367.0	370.7
35°	480.9	482.8	459.2	422.5	389.3	365.8	369.8	391.7	416.8	418.0	422.5
37.5°	562.3	561.4	533.4	493.3	443.9	418.9	415.9	445.7	471.9	479.7	477.3
40°	652.4	642.8	615.6	565.9	505.1	471.6	472.2	502.9	538.5	540.9	540.3
42.5°	741.3	737.1	704.2	637.0	572.0	532.5	534.0	563.5	600.3	609.6	603.0
45°	837.1	826.6	791.0	721.7	642.5	599.7	595.8	628.9	669.3	676.5	670.2
47.5°	914.6	908.0	876.6	802.8	718.1	663.3	657.2	697.9	744.0	744.6	735.3
50°	978.8	975.5	950.7	885.4	791.3	734.4	728.0	768.4	816.6	824.5	810.9
52.5°	1034.2	1028.8	1016.4	951.9	857.9	795.2	794.3	838.6	898.9	902.5	889.6
55°	1052.0	1055.3	1053.5	1008.0	923.3	855.5	863.1	922.7	976.7	989.3	964.9
57.5°	1049.3	1049.3	1066.5	1045.7	967.0	910.1	926.3	998.4	1068.6	1072.5	1043.3
60°	1008.3	1009.2	1050.5	1056.2	998.4	956.8	995.0	1075.2	1147.2	1149.6	1122.2
62.5°	949.2	947.1	1007.7	1036.6	1002.3	984.5	1044.2	1142.4	1221.4	1229.5	1188.2
65°	857.0	860.9	926.3	983.9	981.8	995.0	1082.4	1203.0	1281.6	1293.4	1233.7
67.5°	738.0	749.4	818.2	900.7	932.7	976.7	1096.6	1240.0	1320.8	1331.0	1249.1
70°	611.4	608.7	683.1	786.8	849.2	929.6	1080.9	1241.5	1321.7	1318.4	1216.2
72.5°	463.8	475.2	542.1	647.6	740.1	840.5	1030.0	1203.0	1271.1	1270.5	1129.4
75°	329.7	336.6	395.7	501.1	611.4	736.2	928.4	1118.9	1168.9	1150.8	1003.8
77.5°	217.6	223.9	274.8	371.0	473.1	605.1	791.9	972.1	1011.9	993.2	843.5
80°	135.3	138.3	176.9	253.1	343.8	468.9	641.3	794.9	810.6	791.6	649.4
82.5°	80.5	82.9	110.6	162.4	245.0	341.4	483.4	609.3	614.4	601.5	468.3
85°	49.4	52.7	70.5	108.5	163.3	240.8	336.9	423.4	427.0	411.9	309.5
87.5°	32.2	34.1	47.9	70.5	110.0	161.2	225.7	281.8	273.6	264.3	195.6
90°	22.0	23.2	32.8	48.5	74.4	106.7	142.8	176.3	163.3	156.1	118.7
92.5°	15.4	16.6	24.1	35.0	51.5	71.4	92.8	105.5	100.0	96.7	74.7
95°	12.1	12.7	18.4	27.1	38.3	50.6	61.5	65.4	62.1	59.7	50.3
97.5°	9.6	10.2	15.4	22.0	29.8	37.7	42.8	44.0	40.7	39.5	35.0
100°	8.1	8.7	13.0	18.4	24.4	29.8	31.9	31.6	28.9	28.3	25.3
102.5°	7.2	7.5	11.5	16.0	20.8	24.1	25.3	23.8	21.1	20.8	19.0
105°	6.3	6.9	9.9	13.9	17.8	20.5	20.5	18.7	15.7	15.4	14.5
107.5°	6.0	6.0	8.7	12.1	15.4	17.2	17.2	15.1	12.4	11.8	11.1
110°	5.4	5.7	7.8	10.5	13.3	14.8	14.5	12.1	9.3	9.0	8.7



REPORT NUMBER: P414332

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.1	5.1	6.9	9.3	11.5	12.7	12.1	9.9	7.5	7.2	6.9
115°	4.8	4.8	6.3	8.4	10.2	11.1	10.2	8.1	6.0	5.7	6.0
117.5°	4.5	4.8	5.7	7.5	9.0	9.6	8.7	6.9	5.1	4.8	5.1
120°	4.5	4.5	5.4	6.6	7.8	8.4	7.5	5.7	4.2	4.2	4.5
122.5°	4.5	4.5	5.1	6.0	6.9	7.2	6.3	4.8	3.9	3.9	4.2
125°	4.2	4.2	4.8	5.4	6.3	6.3	5.7	4.2	3.3	3.3	3.9
127.5°	4.2	4.2	4.5	5.1	5.7	5.7	4.8	3.6	3.0	3.3	3.6
130°	3.9	3.9	4.2	4.5	5.1	4.8	4.2	3.3	2.7	3.0	3.3
132.5°	3.9	3.9	3.9	4.2	4.5	4.2	3.6	2.7	2.7	2.7	3.0
135°	3.6	3.6	3.9	3.9	3.9	3.6	3.0	2.4	2.4	2.4	2.7
137.5°	3.6	3.6	3.6	3.6	3.6	3.3	2.7	2.1	2.1	2.1	2.4
140°	3.3	3.3	3.3	3.0	3.0	2.7	2.1	1.8	1.8	1.8	2.1
142.5°	3.0	3.0	3.0	2.7	2.7	2.1	1.8	1.5	1.5	1.8	1.8
145°	2.7	2.7	2.7	2.4	2.1	1.8	1.2	1.2	1.5	1.5	1.8
147.5°	2.1	2.1	2.1	2.1	1.5	1.5	0.9	1.2	1.2	1.5	1.5
150°	1.8	1.8	1.8	1.8	1.2	0.9	0.6	0.9	1.2	1.2	1.2
152.5°	1.5	1.5	1.5	1.5	0.9	0.6	0.6	0.9	0.9	0.9	1.2
155°	0.9	0.9	1.2	0.9	0.6	0.3	0.6	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.6	0.6	0.6	0.9
160°	0.3	0.3	0.6	0.6	0.6	0.3	0.3	0.3	0.6	0.6	0.6
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: P414332

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
2.5°	52.4	52.7	52.4	52.1	52.1	51.8	51.8	51.8	51.8	51.5	51.5
5°	57.3	57.0	56.7	56.1	55.4	54.8	54.8	54.5	54.2	53.9	53.9
7.5°	63.9	63.9	63.3	62.4	61.5	60.9	60.3	60.0	59.1	59.1	58.8
10°	74.1	74.1	72.3	71.4	69.9	68.4	67.8	66.9	66.3	66.0	65.7
12.5°	88.9	88.0	86.2	83.2	80.2	77.7	76.2	75.6	75.9	75.9	76.2
15°	107.9	106.1	103.4	97.6	92.2	88.6	87.7	87.7	88.0	88.0	88.3
17.5°	130.5	127.8	121.7	114.5	106.7	101.9	99.7	99.7	100.3	101.3	102.2
20°	157.9	155.5	146.2	133.5	121.7	115.4	111.8	111.5	112.7	115.4	114.8
22.5°	188.9	186.2	172.4	154.0	137.7	127.5	123.6	124.8	127.8	129.6	129.6
25°	226.3	221.8	201.0	174.2	153.4	138.9	133.8	135.6	140.1	142.2	143.1
27.5°	266.4	260.4	232.6	196.2	165.7	148.3	142.8	145.2	150.7	154.0	154.9
30°	314.0	303.5	265.8	216.7	176.9	154.9	149.2	153.7	159.7	163.6	164.5
32.5°	364.0	347.8	294.4	234.1	185.0	159.4	153.7	159.1	165.7	170.3	170.6
35°	414.0	395.4	326.1	248.3	189.2	161.5	155.5	161.8	169.1	172.7	173.6
37.5°	468.3	442.4	353.5	257.3	191.1	161.2	155.5	161.8	168.8	171.8	172.4
40°	520.4	488.5	377.9	262.8	190.5	158.8	153.4	160.0	166.0	168.2	167.8
42.5°	578.9	533.1	397.5	263.1	186.2	155.2	150.7	156.4	160.6	160.3	160.6
45°	634.6	580.4	411.9	261.0	180.5	150.7	147.1	152.2	153.7	152.2	151.9
47.5°	695.8	627.4	423.4	255.5	173.6	146.5	143.1	147.1	147.4	144.0	143.4
50°	760.6	674.4	433.9	245.6	165.4	141.6	139.5	142.8	142.2	136.8	135.9
52.5°	823.9	722.0	440.6	233.5	157.3	137.4	136.5	139.8	138.0	131.7	130.5
55°	891.4	766.0	441.8	221.5	149.5	133.8	133.8	137.4	135.3	128.7	127.8
57.5°	957.4	812.1	437.3	205.8	141.9	129.9	131.7	135.9	134.4	127.8	127.2
60°	1019.1	846.8	424.9	191.1	135.0	127.2	130.2	135.0	133.8	128.4	127.8
62.5°	1067.1	869.7	405.3	176.6	129.0	124.5	128.7	133.5	133.8	129.3	129.6
65°	1089.4	869.7	377.0	162.1	123.6	121.7	127.2	132.6	133.2	130.5	130.5
67.5°	1084.5	847.4	345.0	147.1	118.4	118.4	125.1	130.8	132.0	130.8	130.8
70°	1033.6	787.1	301.3	135.0	113.3	114.5	121.7	127.8	129.6	129.9	129.6
72.5°	950.7	696.4	256.1	122.3	107.9	110.6	117.5	123.6	126.0	126.6	126.3
75°	822.7	591.2	211.8	111.8	102.2	105.5	112.7	117.8	120.5	121.7	121.1
77.5°	661.2	469.2	173.6	101.3	95.5	99.1	106.1	110.3	113.6	115.1	113.9
80°	503.8	349.3	138.0	90.7	87.4	91.3	97.3	101.9	104.9	105.5	104.6
82.5°	357.7	247.7	110.6	80.8	78.7	82.0	87.4	90.4	94.0	93.7	91.9
85°	234.4	168.2	86.8	70.2	69.3	71.4	75.6	77.4	81.1	81.1	79.0
87.5°	152.5	111.5	68.4	59.1	60.0	61.8	63.9	65.4	66.9	67.2	65.4
90°	97.3	76.2	54.5	50.3	51.2	52.7	52.7	52.4	54.8	55.4	53.9
92.5°	63.9	54.2	45.2	42.8	43.4	43.7	43.7	42.5	44.6	44.9	43.7
95°	44.9	40.7	37.4	36.8	36.8	36.8	36.2	34.7	36.5	36.5	35.9
97.5°	33.8	31.6	31.3	31.3	31.3	31.0	30.1	29.5	30.1	30.1	29.8
100°	25.3	25.0	25.9	26.5	26.8	26.5	25.9	25.0	25.0	23.8	24.1
102.5°	19.3	19.9	21.7	22.6	22.6	22.6	22.3	21.1	20.5	19.3	19.0
105°	15.1	15.7	17.8	19.0	19.3	19.6	19.0	17.8	16.6	15.4	15.1
107.5°	11.8	12.7	14.5	16.0	16.6	16.6	16.3	15.1	13.6	12.1	12.1
110°	9.6	10.2	12.1	13.6	14.2	14.2	13.9	12.4	10.8	9.6	9.6



REPORT NUMBER: P414332

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	8.4	10.2	11.5	12.1	12.4	11.8	10.5	9.0	7.8	7.8
115°	6.6	7.2	8.7	9.6	10.2	10.2	9.9	8.7	7.5	6.6	6.6
117.5°	5.7	6.3	7.5	8.4	8.7	9.0	8.4	7.5	6.3	5.7	5.7
120°	5.1	5.4	6.6	7.2	7.5	7.5	7.2	6.3	5.4	5.1	5.1
122.5°	4.5	5.1	5.7	6.3	6.6	6.6	6.3	5.4	4.8	4.5	4.8
125°	4.2	4.5	5.1	5.7	5.7	5.7	5.4	4.8	4.2	4.2	4.2
127.5°	3.9	4.2	4.5	4.8	5.1	5.1	4.8	4.2	3.9	3.9	3.9
130°	3.6	3.9	4.2	4.2	4.5	4.5	4.2	3.6	3.6	3.6	3.6
132.5°	3.3	3.6	3.6	3.9	3.9	3.9	3.6	3.3	3.3	3.3	3.3
135°	3.0	3.0	3.3	3.3	3.3	3.3	3.0	3.0	3.0	3.0	3.0
137.5°	2.7	2.7	3.0	2.7	3.0	2.7	2.7	2.4	2.7	2.7	2.7
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.1	2.1	2.4	2.4	2.4
142.5°	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.8	2.1	2.1	2.1
145°	1.8	1.8	1.8	1.5	1.5	1.2	1.5	1.5	1.8	1.8	1.8
147.5°	1.5	1.5	1.5	1.5	1.2	0.9	0.9	1.2	1.5	1.5	1.5
150°	1.2	1.5	1.5	1.2	0.9	0.6	0.6	0.9	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.6	0.6	0.6	0.6
157.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.3	0.6	0.3	0.3
160°	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.3	0.3	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)