

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: P414483

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2160 lumens
Efficiency: N/A
Efficacy: 102.9 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 - G1

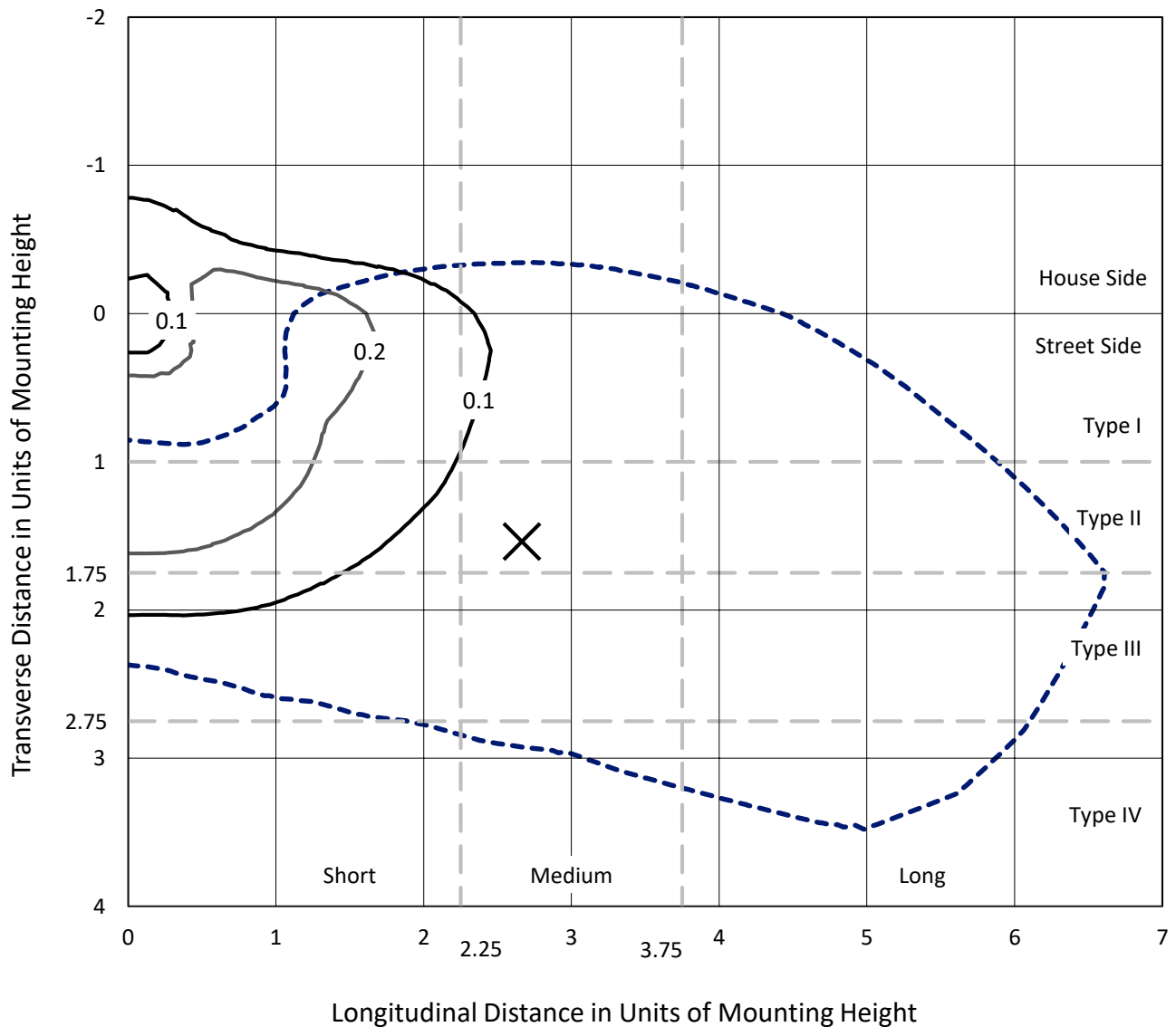
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414483
 CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

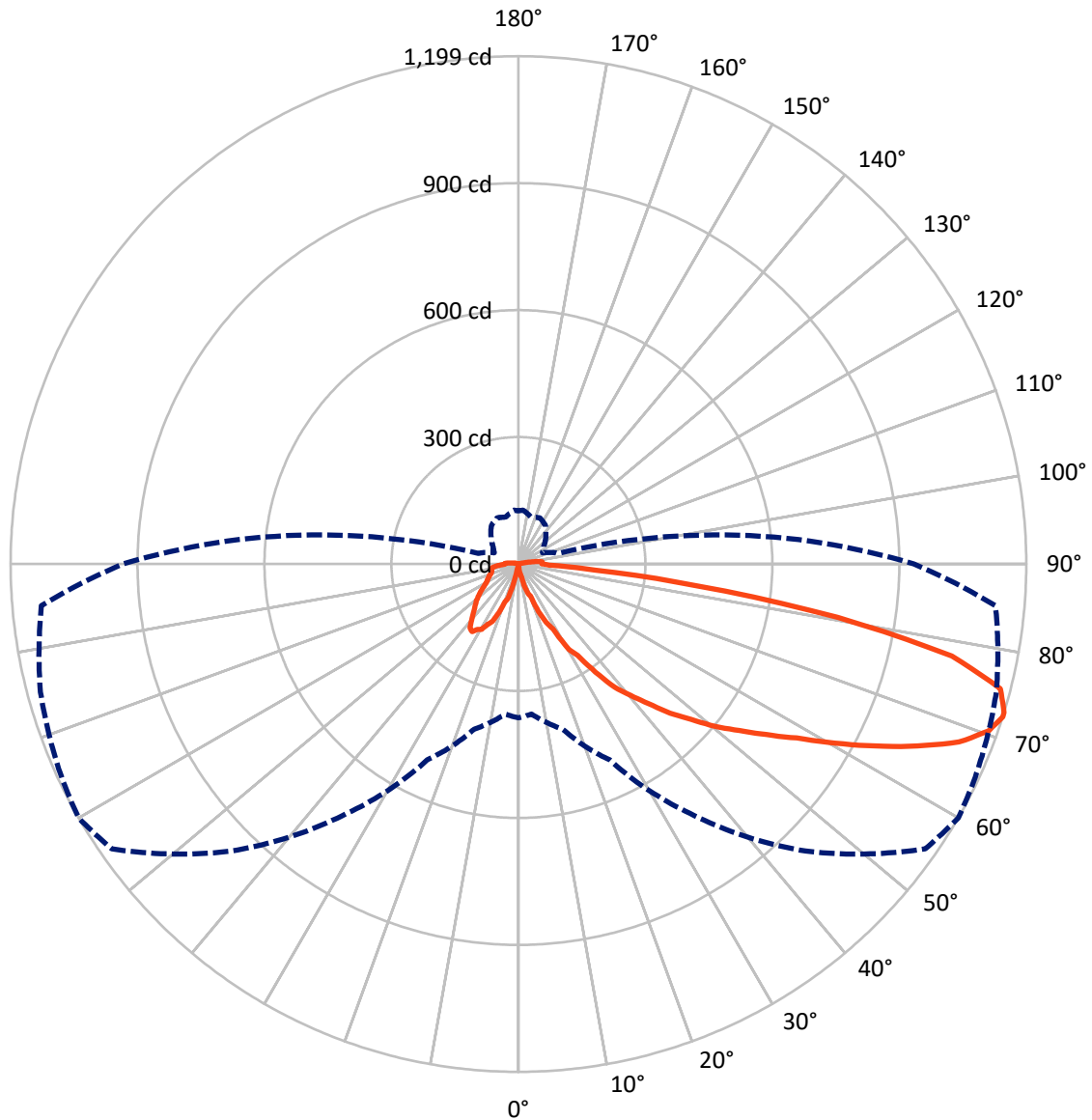
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414483
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P414483

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

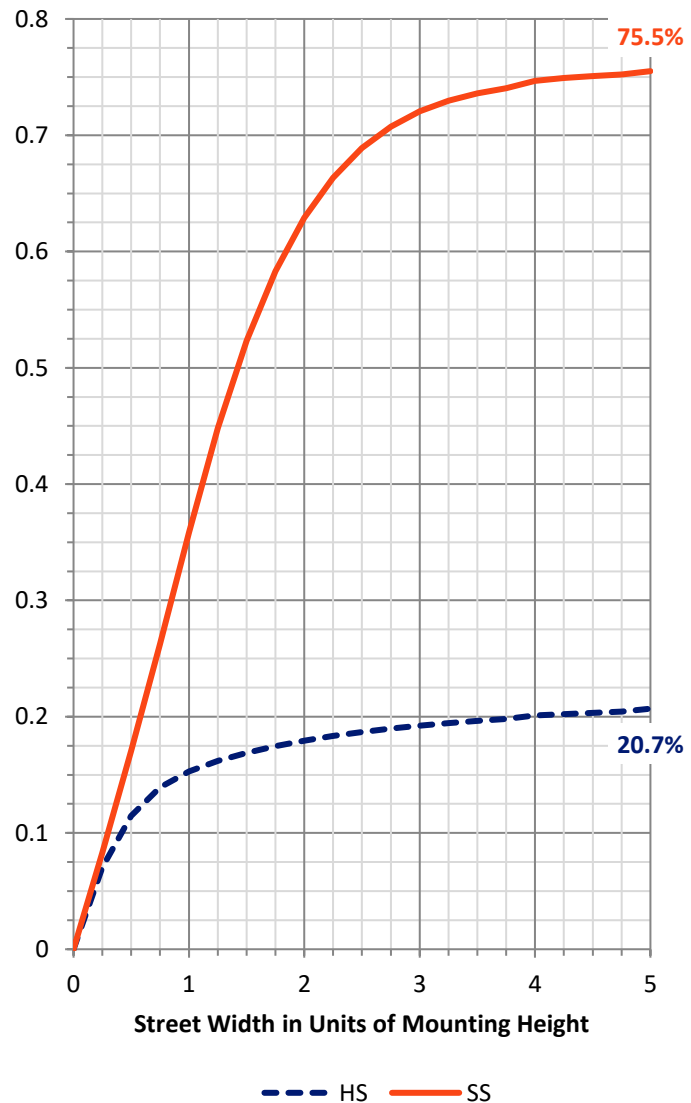
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	472.1	23.0	495.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	1644.7	20.2	1664.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	2116.7	43.3	2160.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	17.7	0.8
20°-30°	73.6	3.4
30°-40°	170.1	7.9
40°-50°	298.7	13.8
50°-60°	451.5	20.9
60°-70°	556.7	25.8
70°-80°	429.8	19.9
80°-90°	117.4	5.4
90°-100°	31.9	1.5
100°-110°	5.5	0.3
110°-120°	2.1	0.1
120°-130°	1.5	0.1
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2116.7	98.0
0°-180°	2160.0	100.0



REPORT NUMBER: P414483

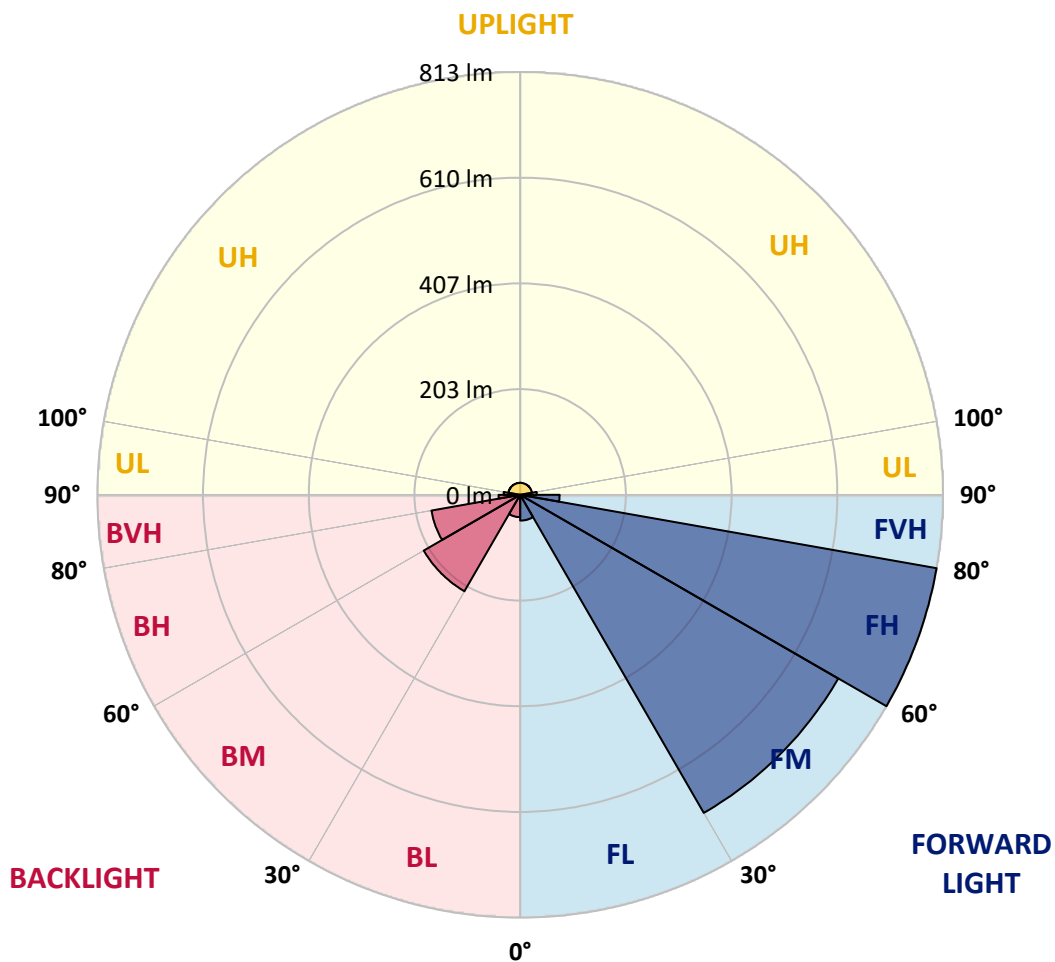
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.6	2.3			
FM	(30°-60°)	706.2	32.7			
FH	(60°-80°)	813.0	37.6			G1/1800
FVH	(80°-90°)	75.8	3.5			G1/100
BL	(0°-30°)	42.9	2.0	B0/110		
BM	(30°-60°)	214.1	9.9	B0/220		
BH	(60°-80°)	173.5	8.0	B1/500		G1/500
BVH	(80°-90°)	41.6	1.9			G1/100
UL	(90°-100°)	31.9	1.5		U2/50	
UH	(100°-180°)	23.0	1.1		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





REPORT NUMBER: P414483

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.9	2.6	2.4	2.4	2.6	2.4	2.2	1.9	1.7	1.7	1.4
5°	26.8	26.1	25.9	20.8	9.6	7.4	3.4	2.6	2.2	1.7	1.4
7.5°	29.7	29.5	29.2	29.2	28.7	27.3	15.6	7.7	4.3	2.2	1.9
10°	34.0	33.5	32.1	31.4	30.6	30.2	28.0	26.6	12.0	3.6	3.1
12.5°	60.6	59.6	58.2	43.1	36.9	32.6	31.8	30.6	26.6	11.0	22.3
15°	65.1	64.9	63.9	63.2	61.3	40.7	49.3	56.3	63.7	52.0	57.9
17.5°	81.9	79.5	73.3	69.7	68.5	74.7	71.4	72.6	72.6	69.9	66.3
20°	122.4	120.7	117.6	103.7	78.1	96.3	94.3	80.2	82.6	102.2	118.8
22.5°	147.5	145.8	139.4	130.5	128.8	107.0	111.3	121.6	124.5	143.4	143.2
25°	200.2	197.1	183.2	157.1	160.4	138.2	155.4	153.0	145.6	158.0	162.3
27.5°	244.5	241.8	235.1	222.0	186.1	193.2	176.7	173.6	193.5	228.4	227.7
30°	293.3	279.0	261.0	256.9	230.3	219.1	223.4	233.7	241.1	244.5	252.9
32.5°	355.8	354.1	340.7	287.8	279.4	250.5	271.1	256.9	262.7	311.0	339.8
35°	399.2	403.5	379.8	348.2	308.4	307.7	299.1	313.2	340.7	347.4	367.3
37.5°	500.2	501.4	480.1	389.8	364.0	339.1	365.9	369.7	377.4	388.9	405.6
40°	576.3	565.6	539.2	472.2	415.9	388.9	408.0	407.5	424.3	445.4	455.9
42.5°	670.2	658.2	611.1	535.2	482.5	452.6	454.5	450.4	464.3	497.6	504.0
45°	749.0	743.7	707.3	627.4	556.0	520.1	507.1	502.1	509.1	551.0	554.6
47.5°	823.5	809.3	785.6	704.7	662.8	597.4	560.3	548.3	550.5	598.1	608.7
50°	902.2	878.5	849.3	778.2	747.8	694.6	621.4	602.7	603.4	647.5	665.4
52.5°	948.9	911.3	892.4	833.5	802.9	776.3	685.3	653.0	656.3	698.0	725.3
55°	920.0	908.7	909.2	874.0	851.2	820.1	747.3	711.2	715.0	763.8	798.1
57.5°	871.1	879.7	910.1	908.7	896.0	865.6	809.1	775.3	797.4	838.3	874.5
60°	833.5	843.3	892.7	918.0	941.7	919.5	873.0	858.4	879.0	914.7	958.0
62.5°	770.8	778.7	846.4	913.5	940.5	965.5	933.8	947.0	965.9	996.1	1048.8
65°	685.1	683.1	767.4	871.8	932.6	991.1	1012.1	1036.3	1053.6	1085.9	1133.8
67.5°	583.8	593.4	664.2	782.0	901.8	1004.0	1078.0	1122.3	1133.1	1145.5	1180.0
70°	476.7	476.3	538.3	663.5	835.4	996.8	1140.5	1178.8	1179.0	1171.6	1181.9
72°	363.5	355.8	403.7	510.5	725.5	958.3	1172.6	1199.4	1190.5	1168.5	1130.9
72.5°	312.0	318.9	364.0	480.8	676.2	939.1	1175.9	1199.2	1189.6	1165.4	1115.6
75°	158.3	148.2	173.8	257.6	466.4	758.8	1151.7	1175.7	1148.9	1118.7	978.1
77.5°	62.0	63.7	73.7	111.3	227.0	499.7	994.2	1046.4	1029.1	1007.8	771.5
80°	43.6	43.6	49.3	63.5	116.4	203.1	688.9	764.8	791.4	801.9	516.0
82.5°	31.6	32.1	37.6	44.3	83.1	97.5	338.3	425.0	466.9	506.2	288.5
85°	29.5	29.5	30.2	29.7	59.4	69.4	123.1	181.5	209.8	245.9	116.6
87.5°	13.9	15.1	22.3	17.7	29.2	42.9	67.0	72.8	74.5	84.5	83.8
90°	9.1	9.1	7.4	7.7	14.4	34.7	53.9	55.1	52.9	62.0	78.1
92.5°	9.3	9.6	6.9	7.2	11.3	31.8	55.3	56.3	54.6	65.1	82.8
95°	8.6	8.6	6.0	6.2	8.9	24.4	55.3	56.3	51.5	64.9	82.8
97.5°	7.2	7.4	4.8	5.0	6.9	12.0	38.3	41.2	32.8	33.0	40.5
100°	6.2	6.2	3.8	4.1	5.0	5.5	19.4	20.4	18.2	8.1	5.5
102.5°	6.2	6.2	3.4	3.4	3.4	3.1	6.0	10.1	8.4	4.8	5.3
105°	6.0	6.2	3.1	2.6	2.6	2.4	3.1	3.8	3.8	3.8	5.5
107.5°	4.8	5.0	2.4	2.4	2.2	2.2	1.7	1.7	2.4	3.6	6.0



REPORT NUMBER: P414483

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.8	3.8	1.9	2.2	1.7	1.9	1.4	1.4	2.2	2.6	4.5
112.5°	2.2	2.2	1.4	1.7	1.4	1.7	1.4	1.4	1.7	2.2	2.9
115°	1.9	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.9	3.1
117.5°	1.9	1.9	1.2	1.2	1.2	1.0	1.0	1.2	1.2	1.9	3.1
120°	1.9	1.9	1.2	1.2	1.0	1.0	1.0	1.2	1.2	1.9	3.1
122.5°	2.2	1.9	1.2	1.0	1.0	1.0	1.0	1.0	1.2	1.7	3.1
125°	2.2	1.9	1.4	1.0	1.0	1.0	1.0	1.0	1.2	1.7	2.6
127.5°	2.2	2.2	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.4	2.4
130°	2.2	1.9	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.4	2.2
132.5°	1.9	1.9	1.4	1.0	1.2	1.0	1.0	1.0	1.0	1.2	1.7
135°	1.7	1.7	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.4
137.5°	1.7	1.7	1.4	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.2
140°	1.7	1.7	1.4	1.4	1.4	1.2	1.0	1.0	1.0	1.2	1.2
142.5°	1.9	1.9	1.7	1.4	1.4	1.2	1.0	1.0	1.2	1.2	1.2
145°	2.2	2.2	1.9	1.7	1.4	1.0	1.0	1.2	1.2	1.2	1.4
147.5°	2.2	2.2	1.9	1.4	1.2	1.0	1.0	1.2	1.2	1.4	1.4
150°	1.9	1.9	1.7	1.2	1.0	0.7	1.0	1.0	1.2	1.4	1.4
152.5°	1.4	1.4	1.2	1.0	0.7	0.5	0.7	1.0	1.0	1.2	1.4
155°	1.0	1.0	0.7	0.5	0.5	0.5	0.7	0.7	0.7	1.0	1.2
157.5°	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.7	0.7	0.7	1.0
160°	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.7	0.7	0.7	0.7
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: P414483

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7	1.9	2.2
5°	1.4	1.4	1.4	1.4	1.7	1.9	2.2	2.4	2.6	2.9	2.9
7.5°	1.7	1.7	1.7	1.9	2.2	2.6	6.0	21.1	28.7	31.4	30.6
10°	3.1	3.1	2.9	2.9	3.4	28.0	35.7	38.8	40.5	42.4	42.4
12.5°	24.9	28.7	10.3	5.7	27.8	39.3	42.1	44.3	45.7	47.6	47.6
15°	60.1	61.1	62.7	56.5	54.6	44.5	46.5	63.0	82.8	88.1	88.6
17.5°	67.5	68.7	69.9	82.8	88.1	68.2	78.5	88.4	90.3	92.2	92.2
20°	128.8	130.7	106.1	95.1	92.9	115.7	88.8	91.2	94.6	111.6	113.3
22.5°	146.1	147.3	137.9	143.9	105.4	120.9	116.9	116.9	130.7	131.7	131.9
25°	163.8	170.5	152.8	148.0	149.9	122.4	137.9	124.5	126.4	127.9	128.1
27.5°	239.0	238.0	223.6	169.3	150.4	148.2	133.9	122.8	143.7	149.2	149.4
30°	254.1	251.7	238.7	198.3	156.1	146.8	126.2	142.0	138.2	138.9	139.1
32.5°	349.4	345.5	308.9	200.7	163.1	135.5	137.0	132.2	132.7	147.5	148.0
35°	373.3	368.0	316.5	232.0	155.4	137.4	126.7	132.7	135.0	134.3	134.3
37.5°	405.4	395.3	314.2	218.1	161.6	128.6	121.2	125.2	123.8	132.9	132.4
40°	440.3	426.2	315.4	202.3	146.5	120.7	116.1	119.7	118.8	116.1	114.2
42.5°	484.9	460.5	315.1	189.2	132.7	118.0	109.7	109.4	105.4	101.0	99.6
45°	530.4	496.6	316.1	174.1	122.1	115.9	106.1	100.3	96.7	92.2	91.0
47.5°	580.2	535.2	318.9	162.1	114.0	109.4	101.5	94.6	91.9	86.2	85.7
50°	639.1	575.6	319.9	152.5	104.4	103.7	98.2	90.5	86.4	80.7	80.2
52.5°	702.5	618.5	321.6	138.4	97.0	101.5	100.1	89.6	87.9	80.5	80.0
55°	762.6	659.2	321.1	121.4	93.6	99.6	100.1	95.8	93.1	80.9	80.0
57.5°	835.0	703.3	313.9	105.6	88.4	96.7	104.9	101.3	98.4	88.4	86.4
60°	899.6	748.8	292.6	93.4	83.8	93.6	108.9	105.4	97.2	90.8	88.8
62.5°	975.3	788.0	262.9	84.5	82.1	94.6	110.4	108.0	97.9	95.8	95.1
65°	1026.5	802.9	217.9	77.3	81.9	94.6	109.9	110.4	103.2	105.4	105.1
67.5°	1032.7	783.7	165.2	71.8	79.0	94.6	109.2	115.2	108.0	116.9	117.3
70°	1002.8	735.8	120.4	66.3	75.9	93.4	109.4	118.3	111.6	125.5	124.5
72°	933.8	663.3	97.5	62.7	73.3	91.5	111.1	120.0	114.7	127.6	125.5
72.5°	915.9	641.0	93.1	62.3	72.8	91.2	111.6	120.4	114.9	129.8	127.1
75°	766.5	510.5	80.0	58.7	73.5	90.0	114.0	120.2	116.4	131.2	131.7
77.5°	580.7	344.1	70.9	55.6	73.3	87.9	113.3	118.3	114.2	126.2	128.8
80°	359.4	200.2	63.0	55.3	72.8	86.9	110.1	113.3	108.2	117.8	118.5
82.5°	196.6	117.1	54.6	54.4	70.6	84.3	104.2	107.5	102.7	113.3	105.8
85°	100.6	79.5	40.9	44.5	61.8	79.3	97.2	97.0	92.2	96.0	90.8
87.5°	77.6	62.5	26.6	32.1	50.5	65.4	80.0	79.3	73.0	73.5	71.4
90°	71.4	55.8	17.5	22.7	42.1	46.9	55.6	53.4	49.1	50.0	49.3
92.5°	71.8	55.1	16.8	24.2	40.5	42.1	51.0	48.4	44.1	44.5	43.1
95°	70.2	52.9	16.8	21.3	33.5	29.9	36.6	35.7	32.1	30.4	29.7
97.5°	33.5	26.3	15.6	15.8	18.9	16.3	22.3	23.9	19.2	15.3	15.3
100°	5.7	8.9	13.6	16.0	13.6	10.3	14.1	16.3	11.0	5.0	5.5
102.5°	5.7	5.5	10.5	13.6	9.8	5.5	8.1	10.8	6.9	3.8	4.1
105°	6.2	5.7	5.0	9.3	5.7	2.9	3.1	5.5	3.8	3.8	3.8
107.5°	6.7	6.2	3.6	3.6	2.9	2.6	2.4	2.2	2.6	3.8	4.1



REPORT NUMBER: P414483

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.0	5.0	3.4	2.9	2.6	2.6	1.9	1.9	2.6	4.1	4.1
112.5°	3.6	3.6	2.9	2.4	2.2	2.6	1.9	1.9	2.4	4.1	4.3
115°	3.6	3.6	2.6	2.2	1.9	2.2	1.9	1.7	2.4	4.1	4.3
117.5°	3.6	3.6	2.6	1.9	1.7	1.7	1.4	1.7	2.4	4.1	4.3
120°	3.6	3.6	2.6	1.9	1.7	1.4	1.4	1.4	2.4	4.1	4.3
122.5°	3.4	3.4	2.4	1.7	1.4	1.2	1.2	1.4	2.2	3.8	4.1
125°	3.1	3.1	2.2	1.7	1.4	1.2	1.2	1.2	2.2	3.6	3.8
127.5°	2.9	2.9	2.2	1.4	1.2	1.2	1.2	1.2	1.9	3.4	3.6
130°	2.4	2.4	1.9	1.4	1.2	1.0	1.2	1.2	1.9	3.1	3.1
132.5°	1.9	1.9	1.4	1.2	1.2	1.0	1.0	1.2	1.7	2.6	2.9
135°	1.4	1.4	1.4	1.2	1.2	1.0	1.0	1.0	1.4	2.2	2.4
137.5°	1.2	1.4	1.2	1.2	1.2	1.0	1.0	1.0	1.4	1.9	1.9
140°	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.4	1.7	1.9
142.5°	1.2	1.4	1.2	1.2	1.2	1.0	1.0	1.2	1.4	1.9	1.9
145°	1.4	1.4	1.4	1.2	1.2	0.7	0.7	1.2	1.4	1.9	1.9
147.5°	1.4	1.4	1.4	1.2	1.0	0.7	0.7	1.0	1.4	1.9	1.9
150°	1.4	1.4	1.4	1.2	1.0	0.5	0.5	1.0	1.2	1.7	1.9
152.5°	1.4	1.4	1.2	1.2	0.7	0.5	0.2	0.7	1.0	1.4	1.4
155°	1.2	1.2	1.2	1.0	0.7	0.2	0.0	0.2	0.7	1.2	1.2
157.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.0	0.2	0.2	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.5	0.2	0.0	0.0	0.2	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)