

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: P414101

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-722-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1962 lumens
Efficiency: N/A
Efficacy: 93.4 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

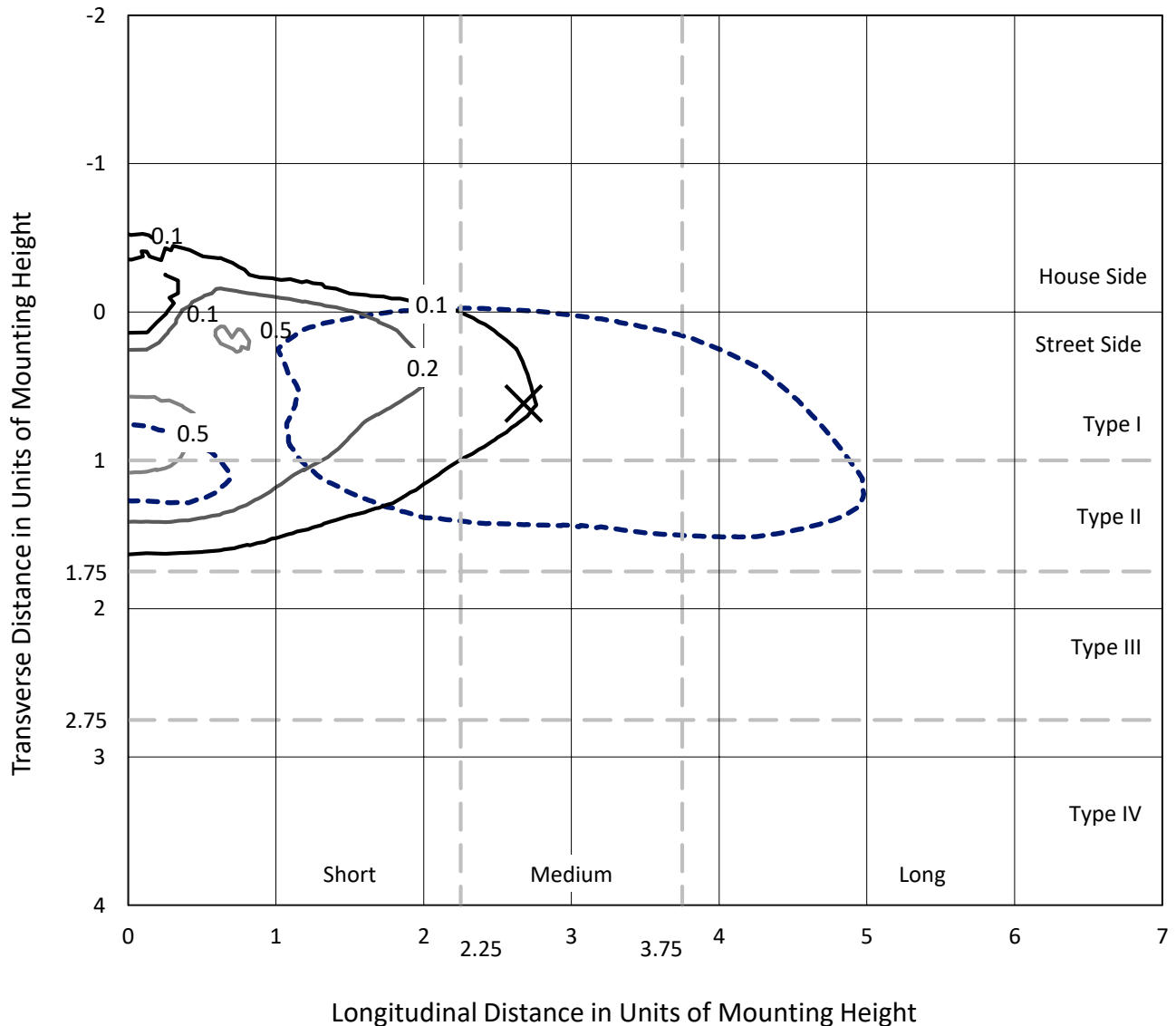


REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

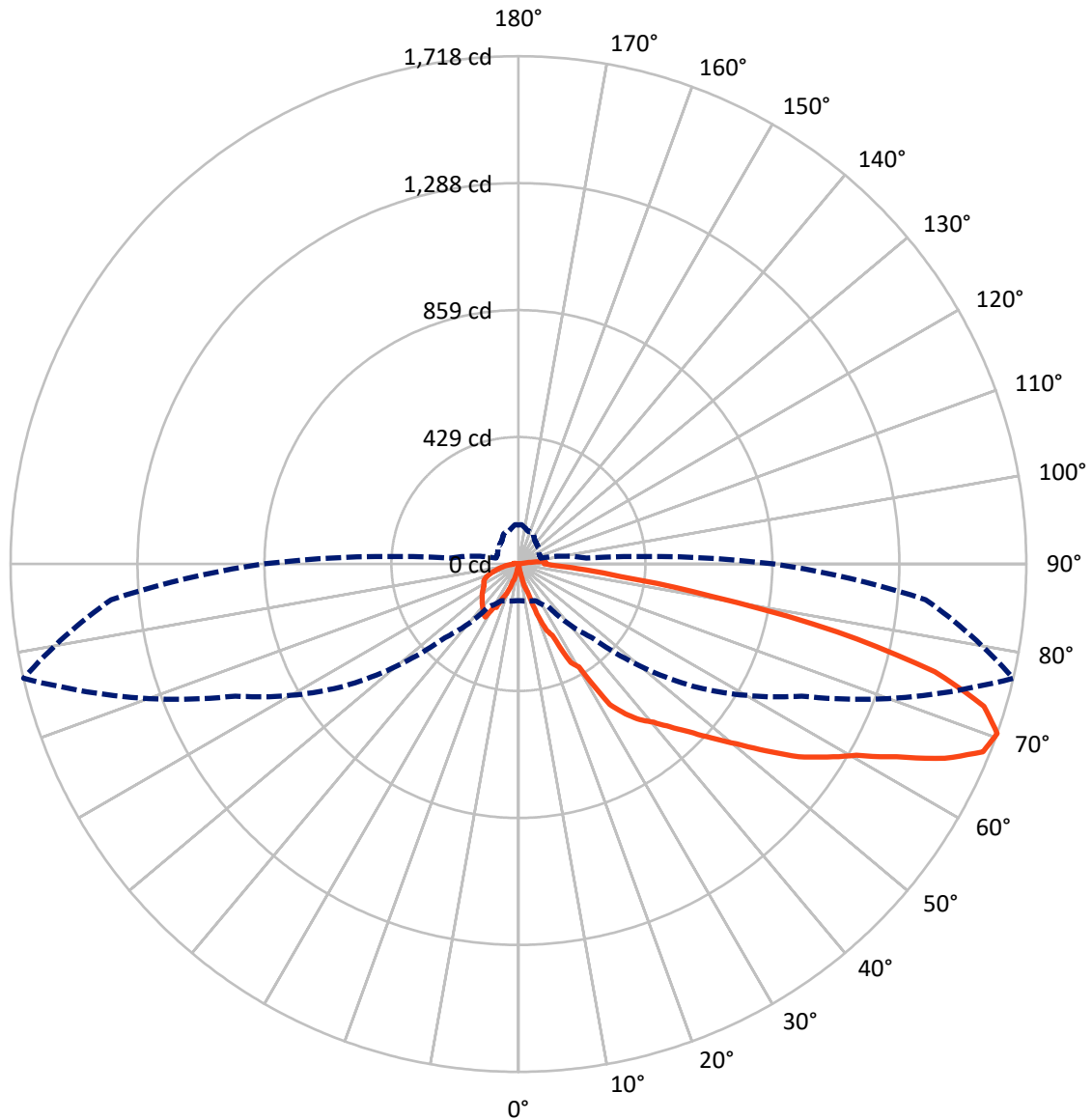


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.8	14.6	346.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	1597.5	18.1	1615.6
	% Fixture	81.4	0.9	82.3
Total	Lumens	1929.3	32.7	1962.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	23.3	1.2
20°-30°	92.5	4.7
30°-40°	223.3	11.4
40°-50°	361.2	18.4
50°-60°	432.0	22.0
60°-70°	422.4	21.5
70°-80°	292.0	14.9
80°-90°	81.0	4.1
90°-100°	21.3	1.1
100°-110°	4.4	0.2
110°-120°	2.3	0.1
120°-130°	1.9	0.1
130°-140°	1.3	0.1
140°-150°	1.1	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1929.3	98.3
0°-180°	1962.0	100.0



REPORT NUMBER: P414101

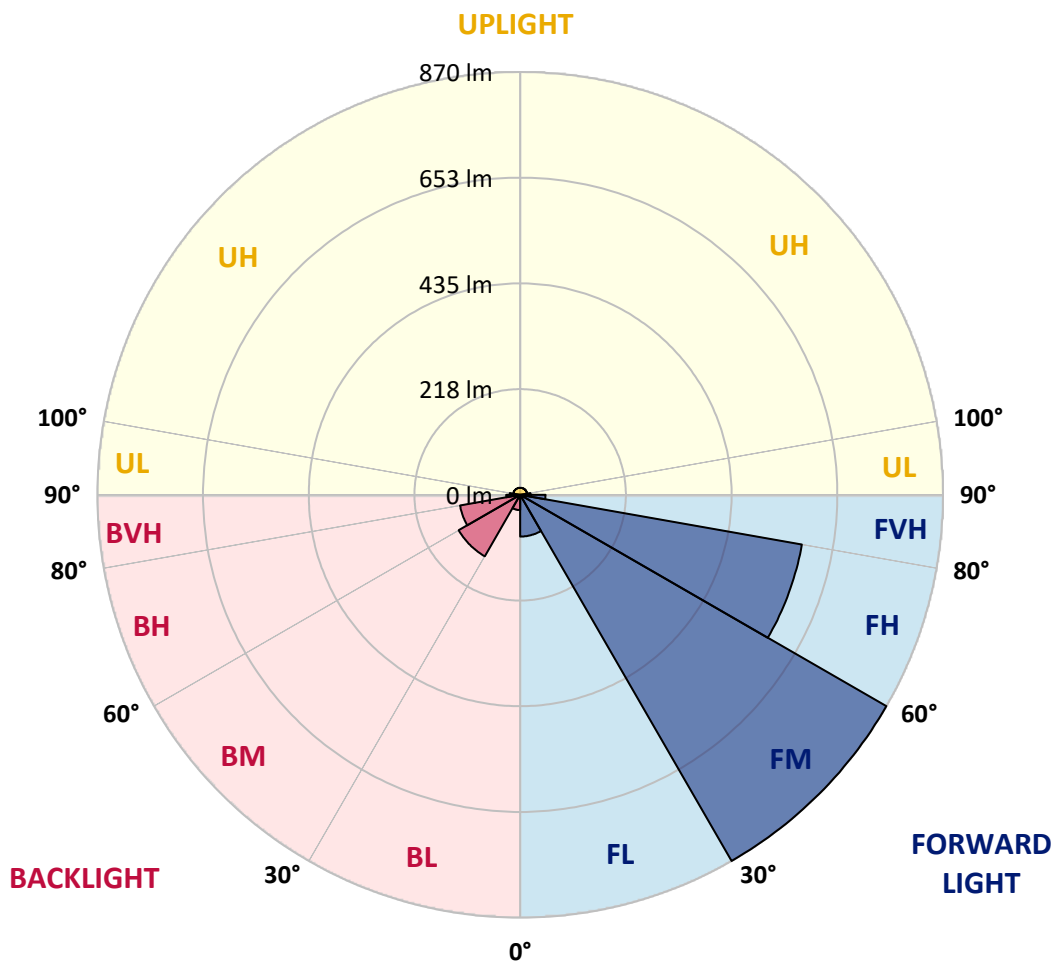
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.0	4.4			
FM (30°-60°)	870.5	44.4			
FH (60°-80°)	588.8	30.0			G0/660
FVH (80°-90°)	52.2	2.7			G1/100
BL (0°-30°)	31.4	1.6	B0/110		
BM (30°-60°)	146.0	7.4	B0/220		
BH (60°-80°)	125.6	6.4	B1/500		G1/500
BVH (80°-90°)	28.8	1.5			G1/100
UL (90°-100°)	21.3	1.1		U2/50	
UH (100°-180°)	14.6	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.2	2.2	2.4	2.9	2.7	2.0	1.6	1.3	1.3	1.3
5°	48.1	46.5	45.4	32.1	7.1	4.2	2.7	2.0	1.6	1.6	1.3
7.5°	57.4	56.5	56.1	54.5	52.7	49.2	8.9	2.9	1.8	1.8	1.6
10°	64.9	64.3	63.4	62.5	60.1	57.6	52.7	7.3	2.9	2.9	2.4
12.5°	132.3	130.3	128.5	91.3	67.8	65.1	60.5	41.4	31.5	30.4	36.6
15°	135.8	135.8	135.8	136.9	134.9	72.7	99.1	124.1	82.0	79.3	82.0
17.5°	144.7	143.4	141.2	141.8	144.5	160.4	147.8	138.1	109.2	97.1	94.4
20°	216.5	215.4	216.1	200.3	154.0	202.1	200.8	155.6	177.5	179.9	175.3
22.5°	231.1	230.9	230.2	229.3	263.2	214.5	230.9	244.6	248.0	243.1	201.6
25°	328.0	325.5	296.0	249.5	282.1	258.2	308.0	271.2	276.1	267.5	255.5
27.5°	374.7	369.6	364.5	350.6	302.9	345.0	327.7	357.6	400.9	377.8	325.1
30°	494.4	497.2	414.8	410.2	374.7	365.8	401.3	420.4	420.8	404.0	365.0
32.5°	608.7	601.0	581.7	498.8	446.3	409.7	465.3	447.6	550.7	566.6	494.8
35°	720.8	705.8	649.3	593.0	520.7	505.0	498.6	560.4	599.4	622.2	535.4
37.5°	880.6	869.7	815.7	668.5	600.3	543.6	584.6	596.5	658.6	668.3	590.8
40°	939.3	932.0	887.0	771.6	662.6	606.7	623.1	640.0	717.3	703.8	632.4
42.5°	981.4	978.8	942.9	825.4	743.7	669.4	667.7	676.3	777.6	752.7	674.1
45°	1013.8	1010.0	988.7	860.0	782.0	708.2	715.7	721.1	830.5	808.8	721.7
47.5°	1007.6	1009.1	1012.0	903.0	804.8	746.1	764.9	759.6	873.7	878.8	775.1
50°	959.9	963.0	984.3	920.3	817.9	777.1	807.5	802.6	934.0	955.3	836.7
52.5°	818.3	823.4	902.3	893.4	829.4	801.5	851.1	852.2	1004.5	1049.7	915.4
55°	599.2	618.5	714.4	804.6	816.8	809.2	880.4	915.2	1085.6	1150.7	985.6
57.5°	482.0	478.0	544.2	675.6	754.3	799.7	911.2	971.2	1159.6	1231.8	1055.9
60°	374.0	375.4	424.3	518.5	644.8	776.2	942.6	1021.8	1250.7	1313.4	1141.9
62.5°	278.5	281.2	316.7	372.9	519.8	710.6	952.4	1084.9	1377.2	1436.6	1245.8
65°	202.3	206.7	226.0	260.6	375.6	612.3	922.7	1132.1	1517.4	1585.0	1356.8
67.5°	152.0	154.4	165.7	186.8	268.3	485.9	849.4	1129.2	1587.9	1694.3	1404.4
70°	123.6	124.8	129.0	136.5	176.2	352.3	720.6	1056.5	1603.0	1717.5	1382.3
72.5°	105.0	104.6	104.8	105.9	121.7	240.9	556.6	920.5	1545.4	1646.9	1282.3
75°	89.7	89.1	89.1	88.0	94.0	169.1	383.4	743.0	1392.2	1455.2	1080.3
77.5°	76.4	75.3	75.1	72.9	75.6	125.9	253.9	553.3	1101.5	1102.6	765.8
80°	65.1	63.2	62.3	60.7	63.8	95.9	165.7	361.0	673.9	663.0	425.0
82.5°	48.1	48.1	49.4	49.9	55.0	71.1	117.0	214.7	367.8	348.1	246.4
85°	27.7	30.1	35.7	36.3	42.1	47.2	88.0	127.2	205.9	198.5	126.3
87.5°	10.2	9.7	14.8	15.7	17.7	17.7	47.9	69.8	107.9	112.3	99.5
90°	8.4	8.4	5.8	5.3	6.9	11.5	32.4	49.0	81.1	87.1	94.0
92.5°	8.9	8.9	5.8	5.1	6.4	10.2	27.3	46.3	85.1	93.3	97.1
95°	8.4	8.6	5.1	4.7	6.0	8.6	20.4	39.7	81.8	89.5	94.8
97.5°	7.3	7.5	4.2	4.0	5.3	6.2	11.1	19.7	40.8	42.3	43.9
100°	6.0	6.0	3.1	3.3	4.2	4.2	5.8	10.4	10.0	8.2	7.1
102.5°	5.1	5.5	2.9	2.7	3.1	2.7	2.7	4.0	6.0	5.1	6.9
105°	4.2	4.7	2.4	2.2	2.4	2.2	1.8	2.9	4.4	5.1	7.3
107.5°	2.9	3.1	1.8	2.0	2.0	2.0	1.3	2.2	4.2	4.9	7.5
110°	2.0	2.0	1.3	1.8	1.8	2.0	1.3	2.2	3.3	3.8	6.0



REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.3	1.3	1.1	1.3	1.6	1.6	1.3	2.0	2.9	3.1	4.2
115°	1.1	1.1	0.9	1.1	1.3	1.3	1.1	1.8	2.9	3.3	4.4
117.5°	1.3	1.1	0.9	1.1	1.3	1.1	1.1	1.6	2.9	3.3	4.4
120°	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.6	2.9	3.3	4.4
122.5°	1.6	1.3	1.1	1.1	1.1	1.1	1.1	1.3	2.7	3.1	4.2
125°	1.6	1.6	1.1	1.1	1.3	1.1	1.1	1.3	2.7	2.9	4.0
127.5°	1.8	1.6	1.3	1.1	1.3	1.1	1.1	1.3	2.4	2.7	3.5
130°	1.8	1.8	1.3	1.1	1.3	1.1	1.1	1.1	2.0	2.2	3.1
132.5°	1.8	1.8	1.6	1.3	1.6	1.3	1.1	1.1	1.6	1.8	2.4
135°	2.0	1.8	1.8	1.6	1.8	1.6	1.1	1.1	1.1	1.3	1.8
137.5°	2.0	2.0	2.0	1.8	2.0	1.6	1.1	1.1	1.1	1.1	1.3
140°	2.4	2.4	2.2	2.0	2.2	1.8	1.3	1.1	1.1	1.1	1.3
142.5°	2.9	2.9	2.7	2.4	2.2	1.8	1.6	1.3	1.3	1.3	1.3
145°	3.3	3.1	3.1	2.7	2.2	1.8	1.6	1.6	1.6	1.6	1.6
147.5°	3.3	3.3	3.1	2.4	2.0	1.3	1.3	1.8	1.8	1.8	1.8
150°	3.1	3.1	2.7	2.2	1.6	1.1	1.1	1.6	1.8	1.8	1.8
152.5°	2.4	2.2	2.0	1.3	1.1	0.7	0.9	1.1	1.3	1.3	1.6
155°	1.6	1.3	1.1	0.9	0.9	0.7	0.7	0.9	0.9	0.9	1.1
157.5°	0.7	0.7	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.2	0.2	0.2	0.2	0.7	0.7	0.7	0.4	0.4	0.4	0.4
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: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.6	1.8	1.8	1.8
5°	1.3	1.3	1.3	1.6	1.6	1.3	1.6	2.0	2.2	2.2	2.2
7.5°	1.6	1.3	1.6	1.8	1.8	1.8	7.8	22.4	24.8	25.3	25.7
10°	2.2	2.2	2.2	2.4	2.7	23.3	27.5	28.8	29.7	30.4	30.6
12.5°	33.7	29.5	18.4	4.9	23.5	28.8	30.4	32.6	33.7	35.0	34.6
15°	75.6	66.9	50.3	43.0	42.1	32.1	33.7	56.1	62.3	63.4	63.2
17.5°	85.5	73.6	56.1	59.8	62.3	48.3	56.7	62.7	63.8	64.9	64.7
20°	159.1	126.7	76.0	65.8	65.1	81.5	60.5	62.5	64.7	76.2	77.6
22.5°	176.6	145.8	99.5	96.4	78.7	82.9	78.9	80.0	86.9	86.9	86.4
25°	221.1	176.4	112.3	98.4	99.9	82.4	92.6	80.0	81.3	81.3	81.5
27.5°	287.6	226.7	149.1	109.7	98.8	99.7	88.0	81.1	92.8	94.2	94.8
30°	307.8	235.3	147.6	122.5	103.3	96.8	82.2	90.9	87.5	87.5	86.9
32.5°	430.1	321.1	183.7	119.9	105.9	90.0	91.1	85.5	84.0	90.9	90.9
35°	454.3	330.6	177.3	134.9	101.7	93.7	86.6	88.0	85.1	84.6	84.0
37.5°	482.0	337.3	162.9	126.7	107.5	90.0	89.5	86.2	82.4	87.7	88.6
40°	508.3	343.7	151.3	117.0	99.3	89.5	87.7	86.0	78.0	78.0	77.8
42.5°	538.0	347.9	140.9	109.2	91.3	89.7	84.9	79.3	74.0	75.6	75.1
45°	568.8	350.6	130.3	100.6	84.2	92.8	85.1	82.7	78.4	79.1	78.4
47.5°	606.7	355.0	121.0	92.2	79.8	85.1	80.4	79.3	81.8	79.6	80.9
50°	647.0	357.4	112.3	84.9	75.3	82.7	83.3	80.0	81.8	78.0	77.8
52.5°	695.3	359.6	103.0	80.0	74.7	82.2	87.3	83.8	80.7	75.8	75.3
55°	737.9	352.5	95.1	76.9	79.1	81.3	90.6	86.4	80.0	74.5	74.7
57.5°	784.2	343.5	88.6	75.6	78.2	79.8	95.3	90.2	82.9	83.1	83.3
60°	832.1	334.8	84.6	75.3	77.1	80.4	95.9	95.3	86.6	88.6	90.2
62.5°	889.2	328.0	84.0	76.9	81.1	84.0	96.6	103.5	95.9	96.8	97.3
65°	934.0	308.0	83.3	77.8	82.7	84.6	96.8	109.2	105.9	111.0	110.6
67.5°	920.3	271.2	82.2	78.7	83.8	88.2	96.6	113.5	113.0	124.8	123.6
70°	864.2	230.5	78.7	77.6	84.2	90.0	96.8	114.6	116.6	133.2	132.1
72.5°	769.8	185.9	72.2	74.5	84.4	92.2	99.7	114.8	117.0	140.5	137.2
75°	644.2	150.2	62.7	67.4	87.1	93.5	100.4	112.6	112.6	134.7	130.5
77.5°	463.6	115.7	54.1	61.2	86.2	92.6	98.4	107.5	105.9	116.6	112.6
80°	270.1	85.3	46.1	60.1	80.9	90.9	92.8	94.8	87.5	90.0	87.5
82.5°	162.2	63.2	39.9	53.8	71.1	81.8	83.3	80.0	70.2	70.0	66.7
85°	97.3	43.2	29.2	41.7	56.1	68.2	70.0	60.7	51.6	56.9	51.0
87.5°	71.8	27.3	20.2	25.9	34.1	31.9	41.7	39.2	33.5	32.1	31.7
90°	64.7	20.8	16.6	21.1	23.0	19.7	21.3	21.3	17.3	17.1	16.2
92.5°	64.0	19.5	17.7	20.6	18.6	15.7	17.3	17.1	13.7	13.1	12.4
95°	59.8	17.5	17.7	18.6	16.4	12.9	14.0	13.1	9.7	9.1	8.4
97.5°	28.1	12.2	16.8	16.2	13.5	10.0	11.5	10.0	6.9	6.0	6.0
100°	6.6	10.4	14.4	14.6	10.9	7.5	8.0	6.4	4.4	3.8	3.8
102.5°	6.6	4.7	8.9	11.5	6.6	3.1	4.4	4.2	3.3	3.3	3.5
105°	6.6	4.4	4.4	7.5	4.0	2.0	2.0	2.7	2.9	3.8	4.2
107.5°	6.9	4.7	3.5	3.5	2.9	2.0	1.8	2.0	2.9	4.4	4.7
110°	5.8	4.2	3.3	3.1	2.9	2.0	1.6	2.0	2.9	4.9	5.3



REPORT NUMBER: P414101

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	3.8	2.9	2.9	2.4	2.0	1.6	1.8	3.1	5.3	5.8
115°	4.2	3.5	2.7	2.4	2.0	1.8	1.6	1.8	3.3	5.8	6.2
117.5°	4.4	3.5	2.4	2.2	1.8	1.3	1.3	1.8	3.3	6.0	6.4
120°	4.4	3.5	2.4	2.2	1.8	1.3	1.3	2.0	3.5	5.8	6.2
122.5°	4.2	3.5	2.4	2.2	1.8	1.1	1.3	1.8	3.3	5.5	6.0
125°	3.8	3.3	2.4	2.0	1.8	1.1	1.3	1.8	3.3	5.3	5.5
127.5°	3.5	3.1	2.2	2.0	1.6	1.1	1.3	1.8	3.1	4.9	5.1
130°	3.1	2.9	2.0	1.8	1.6	1.1	1.3	1.8	3.1	4.4	4.7
132.5°	2.4	2.2	1.8	1.6	1.6	1.1	1.3	1.6	2.4	3.8	4.0
135°	1.8	1.8	1.6	1.6	1.6	1.1	1.3	1.3	2.0	2.9	3.1
137.5°	1.3	1.3	1.3	1.6	1.3	1.1	1.1	1.3	1.8	2.2	2.4
140°	1.3	1.3	1.3	1.6	1.3	1.1	1.1	1.3	1.6	1.8	2.0
142.5°	1.3	1.3	1.3	1.6	1.3	0.9	1.1	1.3	1.6	1.8	1.8
145°	1.6	1.6	1.6	1.6	1.3	0.9	0.9	1.3	1.6	1.8	1.8
147.5°	1.8	1.8	1.6	1.6	1.3	0.7	0.7	1.3	1.6	1.8	1.8
150°	1.8	1.8	1.6	1.6	1.1	0.7	0.7	1.1	1.6	1.6	1.6
152.5°	1.3	1.3	1.3	1.3	1.1	0.4	0.4	0.9	1.3	1.3	1.3
155°	1.1	1.1	1.1	1.1	0.9	0.4	0.2	0.7	1.1	1.1	1.1
157.5°	0.7	0.9	0.9	1.1	0.9	0.4	0.2	0.4	0.9	0.9	0.9
160°	0.4	0.7	0.7	0.9	0.9	0.4	0.2	0.4	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

(END OF REPORT)