

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: P414102

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1826 lumens
Efficiency: N/A
Efficacy: 87.0 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 - G1

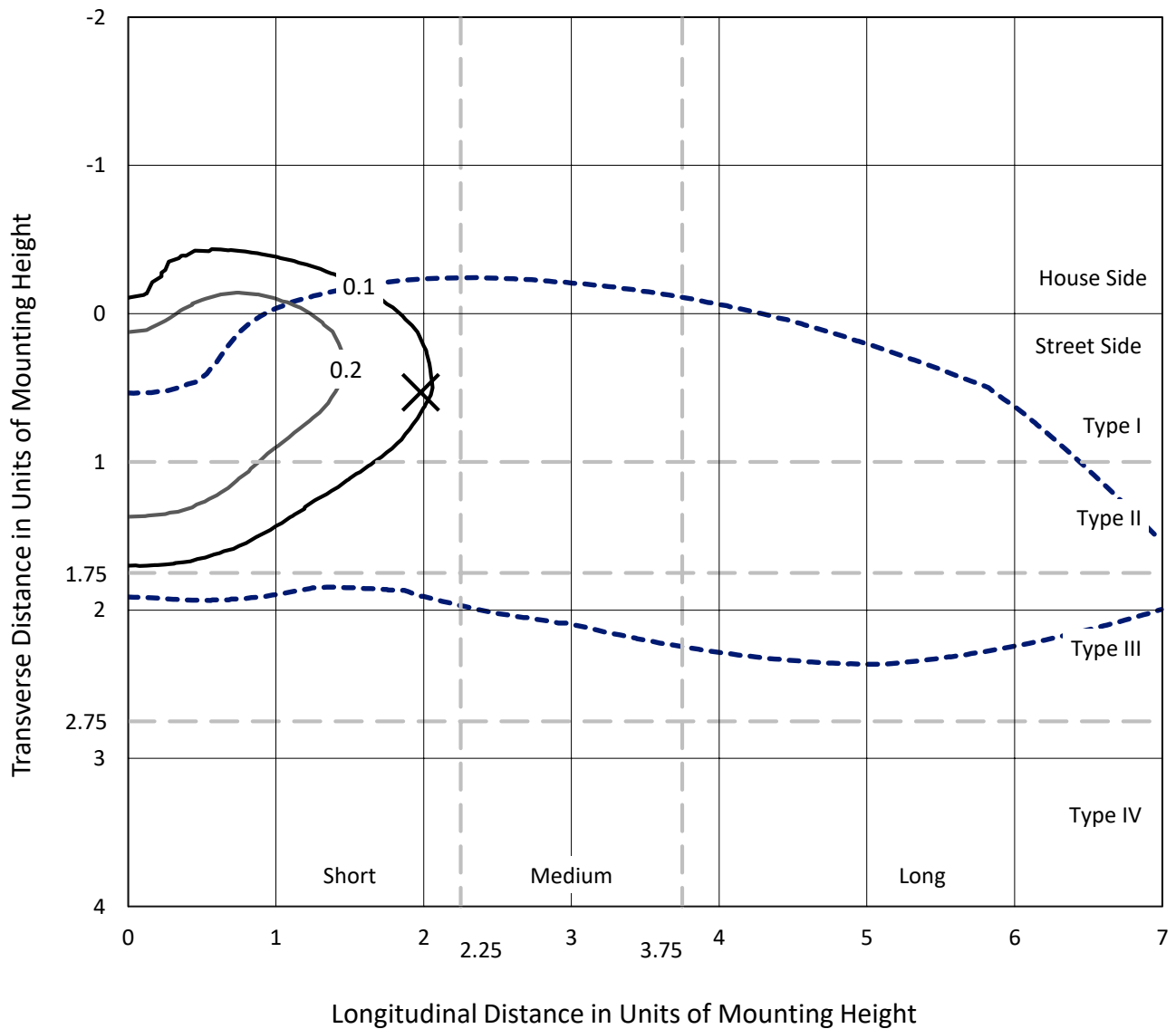
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414102
 CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

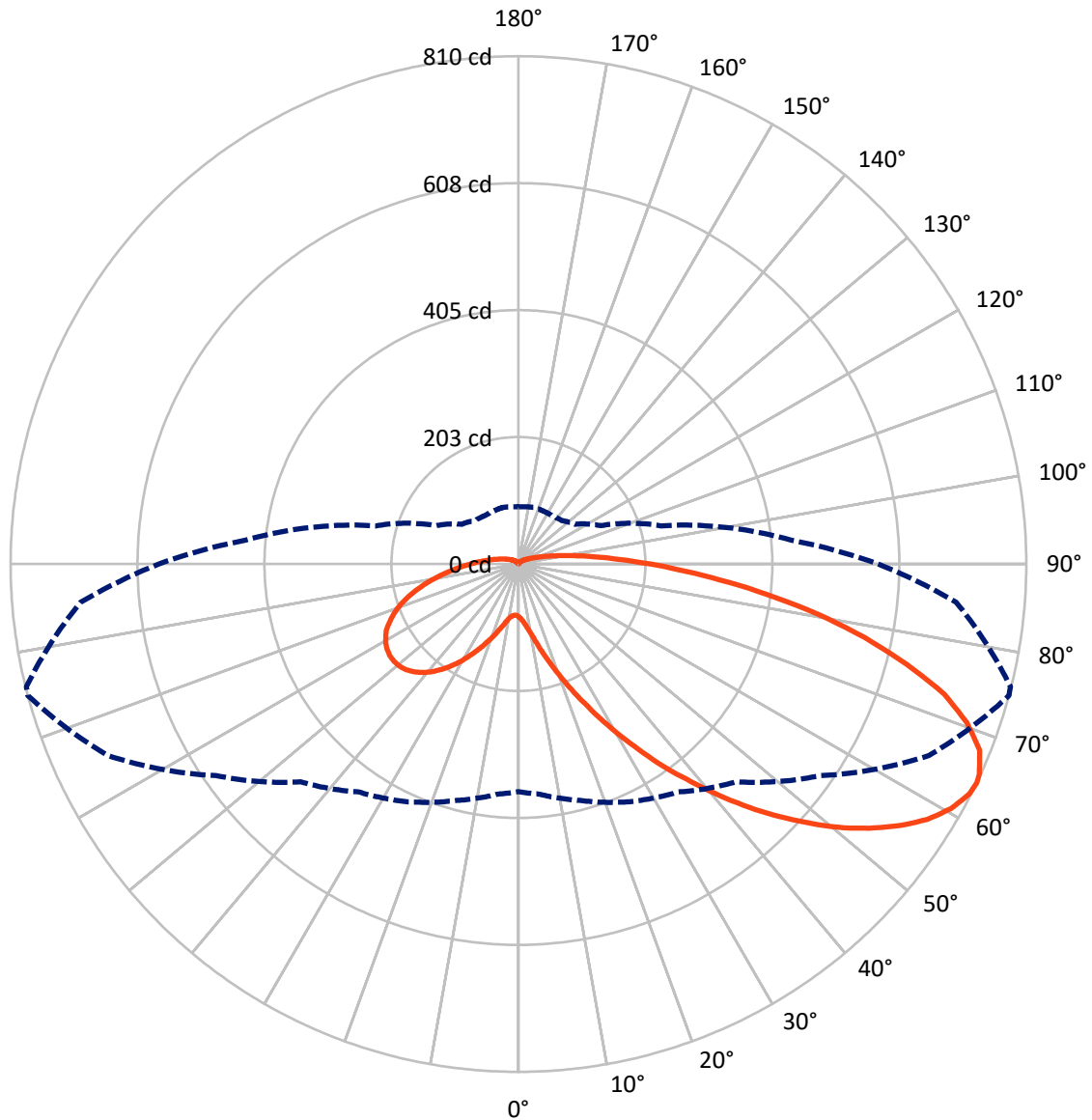


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P414102

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

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P414102

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	402.7	53.0	455.8
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	1289.5	80.7	1370.2
	% Fixture	70.6	4.4	75.0
Total	Lumens	1692.3	133.7	1826.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.5
10°-20°	36.8	2.0
20°-30°	93.2	5.1
30°-40°	182.6	10.0
40°-50°	284.1	15.6
50°-60°	348.4	19.1
60°-70°	338.7	18.5
70°-80°	255.4	14.0
80°-90°	144.2	7.9
90°-100°	68.0	3.7
100°-110°	32.9	1.8
110°-120°	17.2	0.9
120°-130°	9.3	0.5
130°-140°	4.5	0.2
140°-150°	1.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1692.3	92.7
0°-180°	1826.0	100.0



REPORT NUMBER: P414102

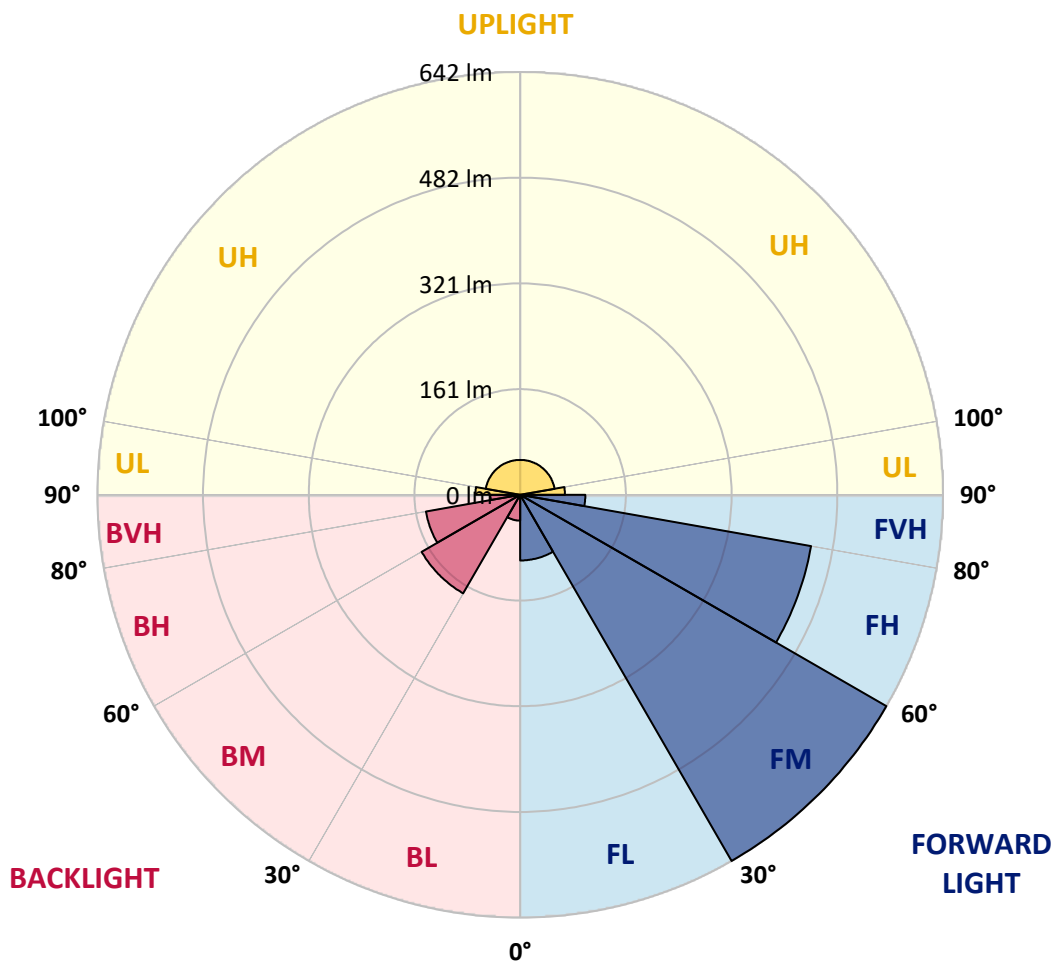
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.8	5.5			
FM (30°-60°)	642.2	35.2			
FH (60°-80°)	448.7	24.6			G0/660
FVH (80°-90°)	98.9	5.4			G1/100
BL (0°-30°)	39.2	2.1	B0/110		
BM (30°-60°)	172.8	9.5	B0/220		
BH (60°-80°)	145.4	8.0	B1/500		G1/500
BVH (80°-90°)	45.3	2.5			G1/100
UL (90°-100°)	68.0	3.7		U3/500	
UH (100°-180°)	53.0	2.9		U3/500	

BUG Rating: B1-U3-G1

Type III Short





REPORT NUMBER: P414102

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2.5°	98.1	97.3	96.8	96.6	95.0	93.5	91.7	90.0	88.0	87.5	85.7
5°	113.4	112.3	111.9	110.6	108.3	105.7	101.9	98.4	93.9	94.2	90.2
7.5°	130.9	130.1	128.7	126.7	123.4	119.9	114.3	109.0	103.0	102.4	96.6
10°	150.9	150.2	148.9	145.8	141.6	135.6	130.1	122.1	113.7	113.2	104.8
12.5°	174.8	173.9	170.2	167.1	161.5	156.0	147.6	138.0	128.9	127.8	117.4
15°	201.8	200.5	197.8	193.0	187.0	177.9	169.0	159.5	147.6	145.6	133.4
17.5°	229.5	229.5	226.2	220.4	212.2	204.3	194.5	182.6	167.5	167.3	151.1
20°	264.3	263.9	258.8	250.4	242.2	233.7	222.0	208.5	191.6	190.1	170.4
22.5°	302.0	301.5	295.3	286.2	275.6	263.6	250.6	236.4	218.0	216.0	193.0
25°	342.7	342.5	336.1	322.1	308.6	297.3	283.8	268.1	246.8	246.4	218.7
27.5°	392.4	389.9	380.0	362.9	345.8	331.2	315.5	301.3	280.0	276.7	245.9
30°	440.2	438.9	425.4	407.0	383.5	364.2	348.3	337.4	315.5	312.4	277.8
32.5°	489.6	488.7	472.3	451.1	422.1	398.1	385.7	374.0	352.9	351.6	309.3
35°	544.4	540.8	522.0	492.7	459.1	432.2	421.2	415.9	395.0	390.2	343.8
37.5°	589.1	586.4	569.4	533.7	494.1	465.3	456.8	453.3	435.4	433.4	381.3
40°	632.3	630.3	609.5	570.9	525.7	496.9	488.5	494.5	480.1	477.0	419.0
42.5°	663.5	660.9	641.6	600.6	553.2	522.9	522.6	536.4	526.0	522.6	457.9
45°	682.2	679.5	663.5	624.1	574.7	545.5	550.6	574.7	571.6	567.6	493.6
47.5°	683.9	682.4	670.9	634.3	587.8	563.2	577.8	612.4	615.7	611.9	531.7
50°	667.8	669.3	662.0	633.0	592.4	574.7	600.0	648.0	660.2	655.8	569.6
52.5°	637.2	635.4	638.5	617.9	587.6	578.7	615.0	678.0	700.3	695.9	604.6
55°	586.2	587.6	598.4	590.7	572.3	574.0	624.1	701.7	736.7	733.1	636.3
57.5°	532.6	529.5	549.0	550.3	545.2	561.6	625.2	719.6	768.8	765.0	663.5
60°	462.4	469.9	487.4	502.5	511.3	541.0	617.9	728.9	792.3	791.2	685.5
62.5°	401.7	403.2	426.9	449.8	471.0	512.0	601.7	728.7	807.6	806.2	698.6
64°	363.1	368.2	390.6	418.3	443.8	491.2	588.4	722.5	810.0	808.9	700.8
65°	342.1	341.4	368.2	396.1	423.6	475.5	574.9	715.8	807.8	807.8	699.9
67.5°	284.3	286.5	310.0	342.1	376.0	433.8	540.4	692.1	793.2	794.7	687.0
70°	234.4	237.7	263.4	292.0	329.4	391.9	497.6	649.4	758.8	761.0	659.3
72.5°	193.4	197.2	216.0	244.8	286.2	347.8	449.3	595.8	710.3	711.2	613.0
75°	157.3	161.5	180.6	205.6	241.5	300.4	396.6	537.5	639.6	644.1	553.2
77.5°	128.1	132.5	150.0	172.6	206.7	257.0	344.3	470.1	564.5	567.2	484.8
80°	103.5	108.1	123.6	144.9	174.6	218.9	295.3	401.2	483.4	483.4	414.3
82.5°	84.0	88.0	101.9	120.3	147.3	184.8	248.1	333.4	399.7	399.9	342.3
85°	67.8	70.2	84.0	100.1	122.5	154.9	205.2	271.4	322.4	317.7	275.8
87.5°	54.5	56.7	68.2	84.0	101.7	129.2	168.4	220.9	253.5	255.0	220.2
90°	43.9	45.2	55.8	69.1	85.5	106.8	136.9	175.7	199.4	197.4	172.6
92.5°	35.7	37.2	46.3	58.3	72.0	89.7	112.8	139.1	154.4	154.9	134.9
95°	29.2	30.1	38.6	49.2	61.6	75.1	91.9	110.8	121.2	119.9	105.0
97.5°	24.4	24.8	32.6	42.1	52.3	63.4	76.7	88.2	93.9	93.1	82.2
100°	20.6	21.0	27.7	36.6	45.2	54.1	63.4	71.1	73.1	72.0	64.7
102.5°	17.9	18.2	23.7	31.7	39.0	46.3	52.7	57.6	57.4	57.4	51.2
105°	15.7	16.0	20.6	27.7	34.3	40.1	44.5	47.0	46.1	45.6	41.0
107.5°	14.2	14.4	18.2	24.4	30.4	34.8	38.1	38.8	37.0	36.6	33.2



REPORT NUMBER: P414102

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	12.9	12.9	16.0	21.5	26.8	30.4	32.6	32.6	29.9	29.7	27.5
112.5°	11.7	12.0	14.4	19.1	23.7	26.8	28.1	27.0	24.6	24.4	23.3
115°	10.9	11.1	12.9	17.1	21.0	23.7	24.4	22.8	20.4	20.2	19.3
117.5°	10.2	10.4	11.7	15.1	18.8	20.8	21.0	19.5	17.1	16.8	16.6
120°	9.7	9.7	10.9	13.5	16.6	18.4	18.2	16.6	14.6	14.4	14.4
122.5°	9.3	9.3	10.0	12.0	14.6	16.2	16.0	14.2	12.4	12.4	12.4
125°	8.9	8.9	9.3	10.9	13.1	14.2	13.7	12.2	10.6	10.6	11.1
127.5°	8.4	8.4	8.6	9.5	11.5	12.2	11.7	10.2	9.3	9.3	9.5
130°	8.0	8.0	8.0	8.6	10.0	10.4	10.0	8.6	8.0	8.0	8.4
132.5°	7.5	7.5	7.5	7.5	8.4	8.9	8.2	7.1	6.9	7.1	7.3
135°	7.1	7.1	6.9	6.6	7.1	7.3	6.6	6.0	6.0	6.0	6.4
137.5°	6.6	6.4	6.2	6.0	5.8	5.8	5.3	4.7	5.1	5.1	5.5
140°	6.0	5.8	5.5	5.1	4.7	4.4	4.0	3.8	4.2	4.2	4.4
142.5°	5.3	5.1	4.9	4.2	3.5	3.1	2.7	2.9	3.3	3.3	3.5
145°	4.4	4.4	4.0	3.3	2.7	2.2	1.8	2.0	2.4	2.4	2.7
147.5°	3.8	3.5	3.3	2.7	1.8	1.3	0.9	1.3	1.8	1.8	2.0
150°	2.9	2.7	2.4	1.8	1.1	0.4	0.4	0.9	1.1	1.1	1.3
152.5°	2.0	2.0	1.8	1.1	0.4	0.0	0.2	0.4	0.7	0.7	0.9
155°	1.3	1.1	0.9	0.7	0.2	0.0	0.0	0.2	0.4	0.4	0.4
157.5°	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2
160°	0.2	0.2	0.2	0.2	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: P414102

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2.5°	84.6	83.7	81.8	80.0	78.2	76.7	75.8	74.7	74.4	74.2	74.2
5°	87.7	85.7	81.8	78.0	74.4	71.6	69.3	67.1	66.0	65.6	65.4
7.5°	93.1	90.0	83.5	77.8	72.4	68.0	64.5	61.8	60.3	59.4	59.2
10°	100.4	95.9	87.1	79.1	72.0	66.2	61.8	58.7	56.7	55.8	55.6
12.5°	111.9	104.8	93.7	82.4	73.1	66.0	60.9	57.6	56.7	55.8	55.8
15°	125.0	117.9	102.6	88.6	76.7	67.4	62.9	60.7	59.4	58.7	58.5
17.5°	141.8	130.9	112.5	95.3	81.1	72.2	66.5	64.0	62.7	62.0	61.8
20°	159.1	146.2	123.6	102.6	87.1	78.0	71.1	67.4	66.0	65.4	65.1
22.5°	179.7	164.2	135.1	110.3	93.9	83.3	75.5	71.1	69.6	68.9	69.1
25°	200.7	184.1	147.6	118.5	100.4	87.7	79.8	74.7	73.6	72.7	72.7
27.5°	226.4	204.3	160.2	127.8	105.9	91.7	83.5	78.4	76.4	76.4	76.2
30°	253.5	225.8	173.9	135.8	110.8	95.3	86.4	81.8	79.8	79.5	79.5
32.5°	279.8	248.8	187.4	143.8	114.5	97.7	89.1	84.6	82.2	82.0	82.2
35°	310.6	272.3	200.1	150.2	117.9	99.7	91.1	87.1	84.4	84.2	84.2
37.5°	339.9	296.4	212.2	155.3	120.1	101.0	92.6	89.1	86.2	86.0	85.7
40°	370.4	319.3	223.3	159.5	121.2	101.9	93.5	90.4	87.7	86.8	86.8
42.5°	401.5	342.3	232.6	162.0	121.9	102.1	94.2	91.3	88.8	87.3	87.3
45°	430.5	362.0	240.4	163.3	121.9	102.4	94.6	91.9	89.7	87.7	87.5
47.5°	462.4	382.0	246.4	163.5	121.2	101.9	94.8	92.6	90.2	88.0	87.7
50°	490.3	400.8	250.1	162.8	120.3	101.7	95.0	92.8	90.8	88.2	88.2
52.5°	514.9	415.9	251.9	161.1	119.2	101.2	95.0	93.3	91.5	88.6	88.4
55°	536.6	427.6	251.7	158.4	117.4	100.6	94.8	93.3	91.9	88.8	88.8
57.5°	555.2	435.8	249.7	155.3	115.7	100.1	94.8	93.5	92.4	89.5	89.5
60°	567.8	440.4	245.7	151.5	113.9	99.3	94.6	93.7	93.1	90.2	90.4
62.5°	573.8	439.8	239.5	147.6	111.9	98.4	94.2	93.5	93.3	91.1	91.1
64°	573.4	436.7	235.3	144.7	110.6	97.9	93.9	93.3	93.5	91.5	91.5
65°	570.5	432.2	230.9	142.5	109.4	97.5	93.5	93.1	93.5	91.5	91.5
67.5°	556.5	418.5	219.6	136.9	106.6	95.5	92.2	91.9	92.6	91.3	91.1
70°	528.8	396.8	207.4	129.8	103.0	93.3	90.2	90.0	90.8	89.7	89.3
72.5°	491.2	366.7	192.5	122.5	98.8	90.2	87.5	87.3	87.7	87.1	86.4
75°	443.8	331.2	175.9	114.3	94.2	86.2	83.7	83.3	84.0	83.1	82.6
77.5°	391.0	292.0	158.4	105.7	88.2	81.8	79.3	78.7	78.7	77.5	76.4
80°	333.0	251.9	140.9	96.8	82.0	76.2	74.2	73.3	72.7	70.9	69.8
82.5°	278.0	214.2	123.0	87.7	75.3	70.2	68.2	67.1	65.6	63.4	61.8
85°	226.2	178.3	106.6	78.0	68.7	63.8	62.3	60.3	58.3	55.8	53.8
87.5°	181.7	146.0	91.9	69.3	61.1	57.4	55.6	53.0	51.0	48.3	46.5
90°	144.2	119.6	78.7	60.9	54.5	51.2	49.6	47.0	44.1	41.2	39.7
92.5°	116.3	97.5	67.8	53.8	48.7	45.9	43.9	41.2	37.9	35.0	33.9
95°	92.4	78.9	57.8	47.6	43.2	40.5	38.6	36.1	32.6	29.2	28.4
97.5°	73.1	64.9	49.4	41.9	38.3	36.1	33.9	31.7	28.1	24.8	24.4
100°	58.7	52.7	42.3	37.0	33.9	31.9	30.1	27.7	24.4	20.8	20.8
102.5°	47.4	43.6	36.3	32.6	30.1	28.4	26.6	24.4	21.0	17.9	17.7
105°	38.8	36.1	31.2	28.8	26.8	25.5	23.7	21.3	18.2	15.3	15.1
107.5°	32.3	29.9	27.0	25.5	23.9	22.6	21.3	18.8	15.7	13.3	13.3



REPORT NUMBER: P414102

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.6	25.7	23.5	22.4	21.5	20.2	18.8	16.4	13.5	11.7	11.7
112.5°	22.6	21.7	20.6	19.9	19.1	18.2	16.6	14.4	11.7	10.4	10.4
115°	19.1	18.6	17.9	17.5	17.1	16.2	14.6	12.4	10.0	9.1	9.3
117.5°	16.6	16.4	16.0	15.7	15.3	14.2	12.9	10.9	8.6	8.2	8.2
120°	14.4	14.4	14.0	14.0	13.5	12.6	11.1	9.3	7.5	7.3	7.3
122.5°	12.6	12.6	12.4	12.4	12.0	11.1	9.7	8.0	6.4	6.4	6.6
125°	11.1	11.1	10.9	10.9	10.6	9.7	8.4	6.9	5.8	5.8	5.8
127.5°	9.7	9.7	9.7	9.5	9.1	8.4	7.1	5.8	5.1	5.1	5.1
130°	8.6	8.6	8.4	8.4	8.0	7.1	6.0	4.9	4.2	4.7	4.7
132.5°	7.5	7.5	7.5	7.1	6.6	6.0	4.9	4.0	3.8	4.0	4.0
135°	6.4	6.6	6.4	6.2	5.8	4.9	4.0	3.3	3.3	3.5	3.5
137.5°	5.5	5.5	5.5	5.1	4.7	4.0	3.1	2.7	2.9	3.1	3.1
140°	4.7	4.7	4.4	4.2	3.8	3.1	2.4	2.0	2.4	2.7	2.7
142.5°	3.8	3.8	3.5	3.3	2.7	2.2	1.6	1.6	2.0	2.2	2.2
145°	2.9	2.9	2.7	2.4	2.0	1.3	1.1	1.3	1.8	1.8	1.8
147.5°	2.0	2.0	2.0	1.6	1.1	0.7	0.4	0.9	1.3	1.3	1.6
150°	1.3	1.3	1.3	1.1	0.7	0.2	0.2	0.7	0.9	1.1	1.1
152.5°	0.9	0.9	0.9	0.7	0.4	0.0	0.0	0.4	0.7	0.7	0.7
155°	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.2	0.4	0.4	0.4
157.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.4	0.2	0.2
160°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	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)