

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: P414484

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037 lumens
Efficiency: N/A
Efficacy: 97.0 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 - U3 - G2

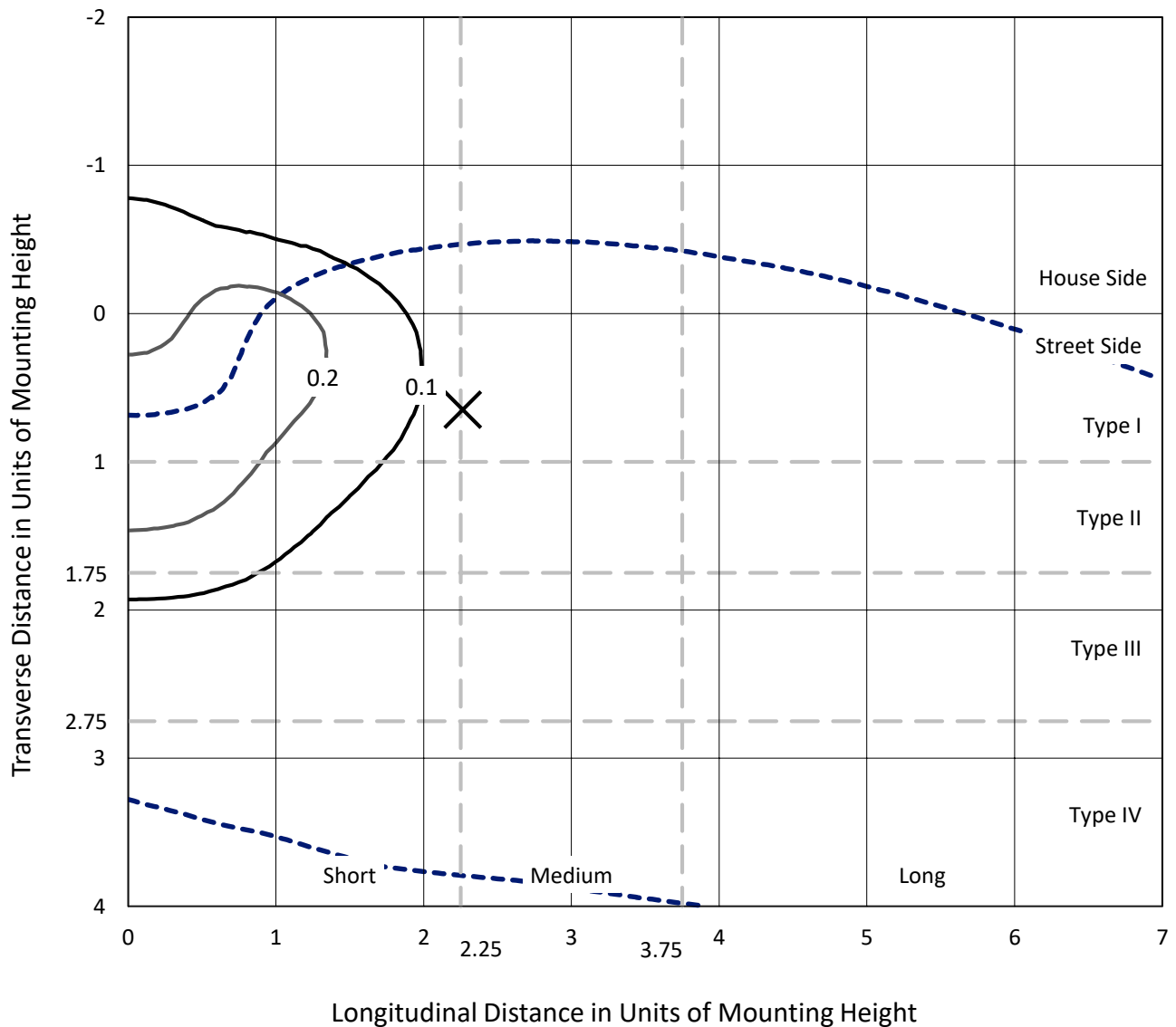
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414484
 CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

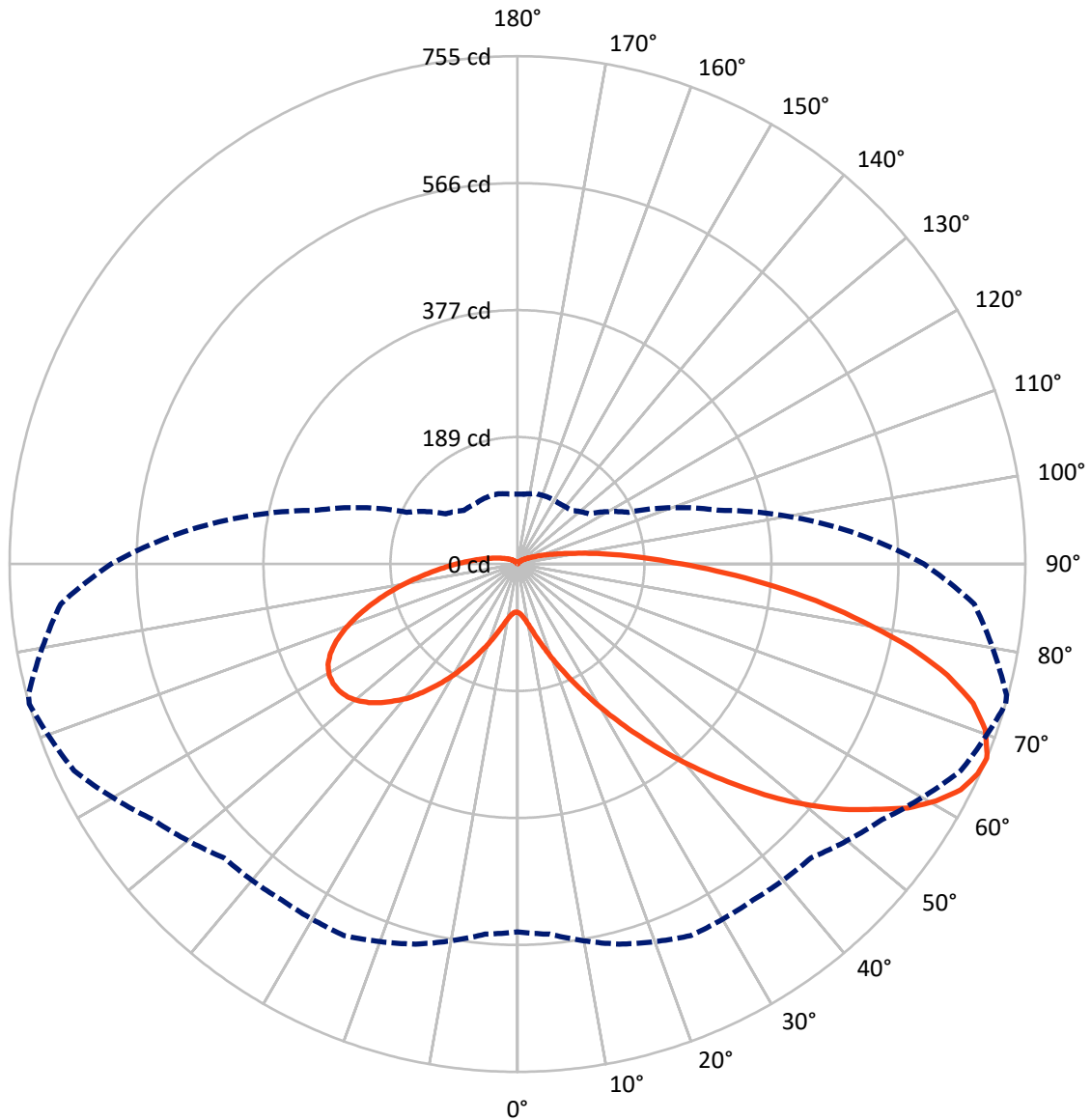
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414484
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P414484

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

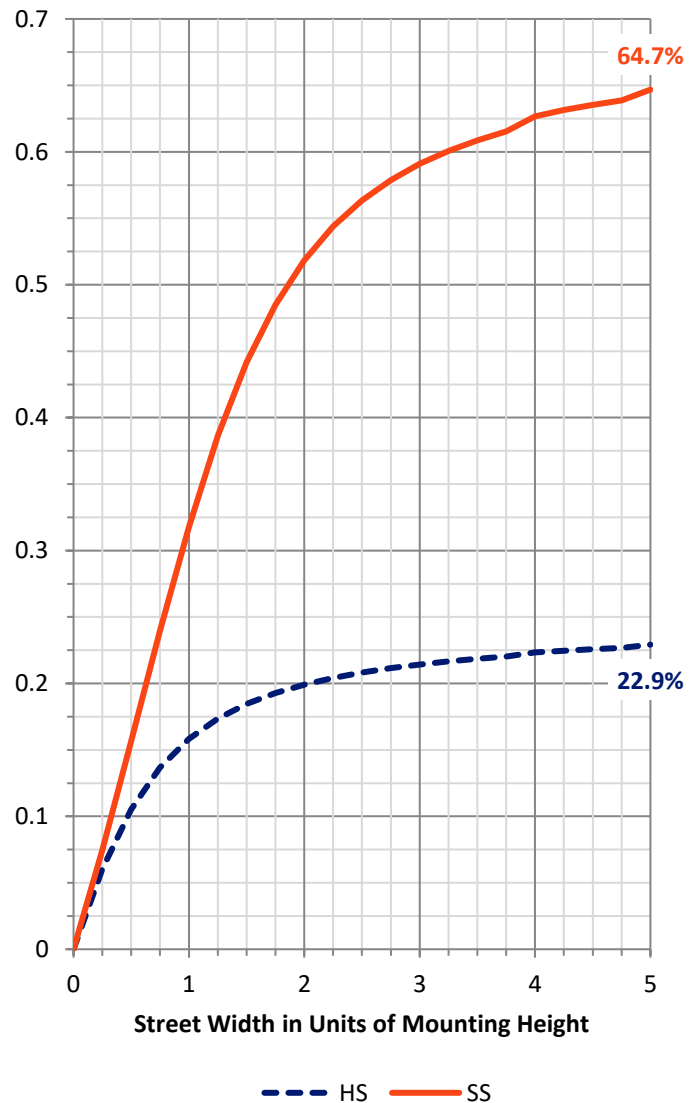
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	491.0	60.7	551.7
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	1379.5	105.7	1485.2
	% Fixture	67.7	5.2	72.9
Total	Lumens	1870.5	166.5	2037.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.4
10°-20°	31.3	1.5
20°-30°	79.1	3.9
30°-40°	158.8	7.8
40°-50°	266.5	13.1
50°-60°	373.9	18.4
60°-70°	417.9	20.5
70°-80°	340.9	16.7
80°-90°	194.6	9.6
90°-100°	88.9	4.4
100°-110°	40.7	2.0
110°-120°	20.1	1.0
120°-130°	10.2	0.5
130°-140°	4.7	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°	1870.5	91.8
0°-180°	2037.0	100.0



REPORT NUMBER: P414484

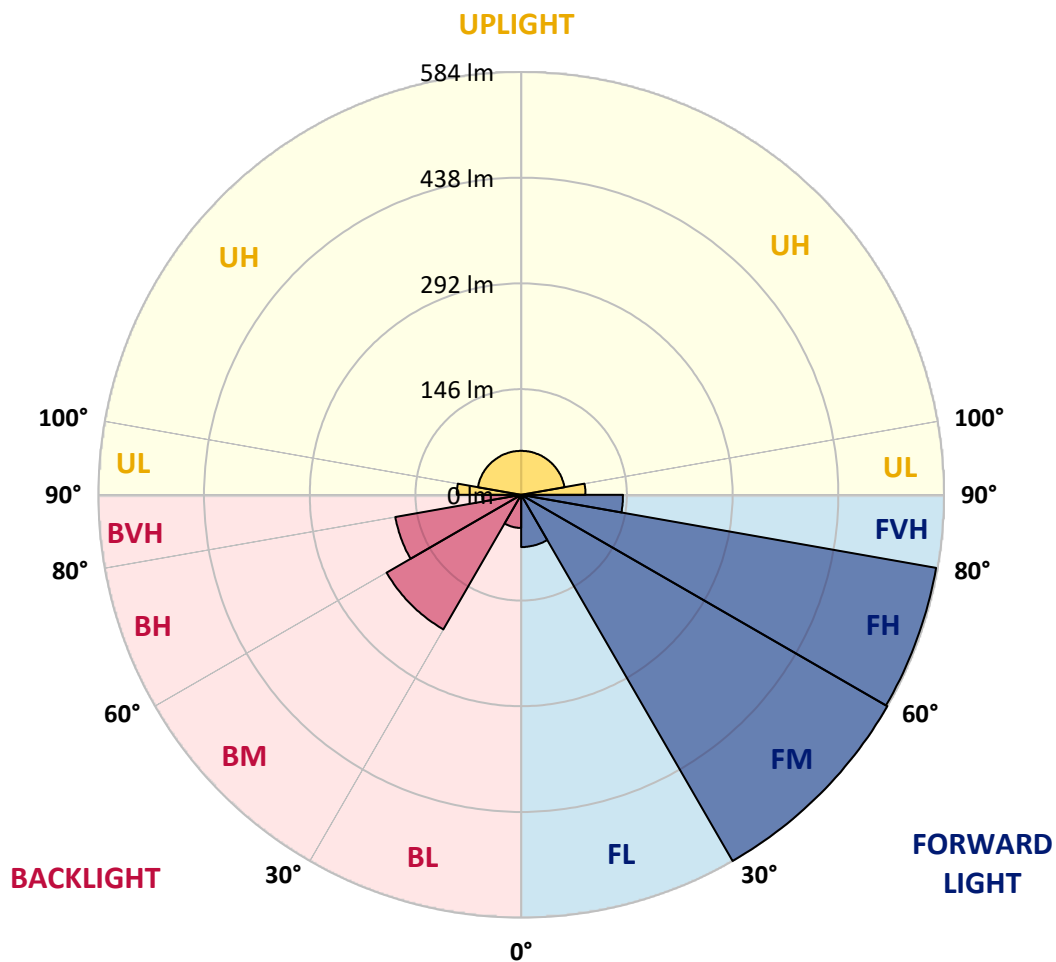
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.2	3.5			
FM	(30°-60°)	584.4	28.7			
FH	(60°-80°)	582.3	28.6			G0/660
FVH	(80°-90°)	140.7	6.9			G2/225
BL	(0°-30°)	45.8	2.2	B0/110		
BM	(30°-60°)	214.8	10.5	B0/220		
BH	(60°-80°)	176.6	8.7	B1/500		G1/500
BVH	(80°-90°)	53.9	2.6			G1/100
UL	(90°-100°)	88.9	4.4		U3/500	
UH	(100°-180°)	60.7	3.0		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414484

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
2.5°	78.1	77.6	77.6	77.1	76.9	75.9	75.2	74.3	73.8	73.5	72.8
5°	85.3	84.6	84.6	84.1	83.1	81.9	80.2	79.3	77.6	77.8	75.7
7.5°	93.9	93.7	93.2	92.2	91.0	89.6	87.9	85.7	83.8	83.8	81.2
10°	105.4	104.0	104.0	102.8	101.6	99.4	97.0	94.6	92.0	91.7	88.1
12.5°	119.3	119.0	117.6	115.9	114.0	111.9	108.0	105.6	103.0	102.8	98.9
15°	135.6	134.9	132.9	132.2	129.3	125.5	122.4	120.0	117.4	116.4	111.4
17.5°	154.7	153.8	153.1	149.5	147.1	144.0	140.4	137.2	132.7	132.2	126.7
20°	177.2	175.1	172.9	170.1	166.2	163.4	159.5	156.6	151.4	151.4	144.0
22.5°	201.0	200.5	198.6	193.8	188.5	185.6	182.0	176.3	172.0	170.8	162.6
25°	229.7	229.2	225.4	220.4	214.9	210.5	204.8	198.6	195.0	194.7	185.6
27.5°	262.3	263.0	256.3	249.8	242.4	235.5	229.2	226.1	221.3	220.6	210.1
30°	301.6	298.4	291.5	282.2	271.9	263.0	256.5	253.4	250.3	250.1	237.4
32.5°	341.6	338.0	332.0	319.0	304.7	291.0	287.9	285.3	281.7	279.8	267.1
35°	385.9	383.0	374.4	357.4	338.2	323.4	316.9	317.4	315.7	314.7	299.4
37.5°	434.7	429.7	418.0	401.4	373.2	357.1	349.7	353.8	352.8	350.9	334.9
40°	480.7	480.0	467.5	441.9	413.4	390.7	385.6	392.6	391.4	389.0	371.3
42.5°	533.9	528.6	514.7	486.0	451.5	426.4	420.8	431.1	432.6	433.1	409.3
45°	579.4	577.0	563.8	530.8	491.0	463.7	459.2	470.2	475.0	475.5	449.3
47.5°	623.7	622.8	609.3	575.1	529.6	500.6	494.6	510.4	520.5	518.3	487.4
50°	657.0	658.7	647.9	615.3	567.9	533.4	534.9	554.3	563.6	562.4	528.1
52.5°	685.5	683.1	678.6	647.7	598.3	566.7	568.4	591.6	605.5	604.8	566.7
55°	696.1	695.3	695.8	670.7	623.2	594.0	599.0	631.9	643.4	641.9	598.1
57.5°	693.9	693.4	700.8	684.3	643.4	615.6	627.1	664.9	683.8	681.9	631.1
60°	677.6	675.5	691.5	685.5	651.5	629.0	649.1	693.9	714.3	713.8	658.2
62.5°	641.0	644.3	666.6	672.1	649.1	635.9	662.3	716.4	739.2	737.5	677.6
65°	589.9	598.3	625.2	644.3	632.8	629.7	667.1	726.5	751.6	751.4	684.6
67°	546.4	552.1	584.7	609.1	609.8	617.0	661.6	726.7	754.5	752.3	681.2
67.5°	531.0	538.7	571.7	601.4	604.6	613.4	659.4	726.2	752.6	751.4	679.5
70°	461.6	470.4	506.6	544.0	563.1	582.3	639.8	712.8	737.3	734.6	660.1
72.5°	391.1	403.6	437.8	482.2	510.2	541.8	605.8	679.3	708.0	702.5	622.3
75°	323.6	332.0	365.3	413.2	449.6	492.5	559.3	634.0	659.9	655.3	574.1
77.5°	258.0	265.6	297.7	345.9	387.1	435.2	504.9	577.3	597.4	594.7	513.1
80°	203.6	209.1	240.0	282.9	325.3	376.8	442.9	507.5	520.7	522.6	445.8
82.5°	156.6	163.8	190.7	228.5	268.5	317.6	375.1	432.3	447.0	442.2	376.8
85°	119.8	125.7	149.7	181.8	221.8	263.2	314.5	361.4	367.9	362.4	305.4
87.5°	93.7	98.2	116.9	148.0	179.9	215.3	256.3	292.2	295.6	294.6	244.6
90°	72.6	76.6	92.2	116.9	146.1	176.5	208.6	233.8	232.1	233.5	192.8
92.5°	57.0	59.2	73.3	95.1	119.5	144.0	168.4	185.2	184.9	180.8	150.4
95°	46.2	47.4	59.6	77.8	97.5	116.9	135.1	145.9	145.4	141.1	117.4
97.5°	37.4	38.1	48.6	64.0	80.5	95.6	108.7	116.4	112.6	110.9	92.0
100°	30.7	31.1	40.2	53.4	67.1	80.0	89.3	92.5	87.2	86.2	72.3
102.5°	26.1	26.3	34.0	45.3	56.0	65.9	72.8	74.3	68.0	68.5	57.0
105°	22.3	22.5	28.5	38.6	47.7	55.1	60.1	59.4	54.4	53.7	45.5
107.5°	19.4	19.6	24.4	33.1	41.0	47.2	49.8	48.1	43.6	42.6	36.6



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	17.0	17.2	21.1	28.3	35.2	40.5	41.9	39.3	35.2	34.3	30.2
112.5°	15.3	15.3	18.4	24.4	30.7	35.0	35.4	32.8	28.3	27.8	25.1
115°	13.9	13.9	16.3	21.1	26.6	29.9	29.9	26.8	23.2	23.0	21.1
117.5°	12.7	12.7	14.4	18.4	23.0	25.9	25.4	22.5	19.4	19.2	18.2
120°	11.7	11.7	12.9	16.0	19.9	22.0	21.6	18.7	16.3	16.0	15.6
122.5°	10.8	11.0	11.7	14.1	17.2	18.9	18.4	16.0	13.9	13.7	13.7
125°	10.1	10.1	10.5	12.2	14.9	16.3	15.6	13.2	11.7	11.7	11.7
127.5°	9.3	9.3	9.6	10.8	12.7	13.7	12.9	11.0	10.3	10.1	10.3
130°	8.6	8.6	8.9	9.3	10.8	11.3	10.5	9.3	8.6	8.6	8.9
132.5°	7.9	7.9	7.9	8.1	8.9	9.3	8.6	7.7	7.4	7.4	7.7
135°	7.2	7.4	7.2	7.2	7.4	7.4	6.7	6.2	6.2	6.5	6.7
137.5°	6.5	6.5	6.2	6.0	6.0	5.7	5.3	5.0	5.3	5.3	5.5
140°	5.7	5.7	5.5	5.0	4.6	4.3	4.1	3.8	4.3	4.3	4.6
142.5°	5.0	5.0	4.6	4.1	3.4	2.9	2.6	2.9	3.4	3.4	3.6
145°	4.1	4.1	3.8	3.4	2.4	1.9	1.7	2.2	2.4	2.4	2.6
147.5°	3.4	3.1	2.9	2.4	1.7	1.2	1.0	1.4	1.7	1.7	1.9
150°	2.4	2.4	2.2	1.7	1.0	0.5	0.5	0.7	1.0	1.0	1.2
152.5°	1.7	1.7	1.4	1.0	0.5	0.0	0.2	0.5	0.5	0.5	0.7
155°	1.0	1.0	1.0	0.7	0.2	0.0	0.0	0.2	0.2	0.2	0.5
157.5°	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2
160°	0.2	0.2	0.5	0.2	0.2	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: P414484

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
2.5°	72.3	71.9	71.4	70.7	70.2	69.7	69.2	69.0	69.0	68.7	69.0
5°	75.0	74.3	72.8	71.6	70.2	69.2	68.3	67.8	67.3	67.1	67.1
7.5°	79.8	78.8	76.4	74.3	72.1	70.4	69.2	68.0	67.5	67.3	67.3
10°	86.7	85.3	81.7	78.6	75.4	73.3	71.1	69.9	69.2	68.7	68.7
12.5°	96.5	94.1	89.6	84.3	80.2	77.4	74.7	73.5	73.3	73.3	73.3
15°	109.7	106.3	99.4	93.2	87.2	82.2	80.2	80.2	80.0	79.8	80.0
17.5°	123.4	119.5	110.9	103.0	95.6	90.5	87.4	86.7	86.5	86.2	86.5
20°	139.6	134.9	124.8	114.0	104.7	99.9	95.6	93.7	93.4	93.7	93.2
22.5°	158.1	152.8	138.0	125.0	114.7	108.0	103.0	100.4	100.8	100.8	100.6
25°	180.4	172.2	154.7	137.2	124.8	115.5	109.7	107.1	107.3	107.8	108.3
27.5°	202.9	193.5	171.3	149.9	133.7	122.9	116.2	113.3	113.1	114.5	114.3
30°	229.2	217.2	189.5	162.9	141.8	128.1	121.2	118.8	118.6	119.8	120.0
32.5°	257.5	242.6	208.4	175.8	149.0	132.7	124.8	123.1	122.6	123.8	124.1
35°	288.4	269.5	226.8	187.1	155.0	135.8	127.7	125.7	125.0	126.2	126.7
37.5°	318.3	296.3	245.8	197.1	159.8	137.7	128.9	127.4	126.5	127.2	127.4
40°	349.9	326.5	264.9	206.2	162.6	138.7	129.3	127.9	126.9	126.9	126.9
42.5°	384.7	354.3	280.5	212.7	164.3	138.4	128.9	127.2	126.0	125.0	125.0
45°	420.4	384.2	296.5	218.0	164.6	137.2	127.7	126.2	124.3	122.4	122.2
47.5°	455.1	411.3	310.7	220.8	163.8	135.6	126.0	124.1	122.4	119.5	119.5
50°	488.9	438.3	322.4	222.3	161.7	133.7	124.3	122.4	120.2	116.4	115.9
52.5°	519.8	463.0	331.3	221.8	158.6	131.0	122.2	120.5	117.8	113.3	113.3
55°	550.2	485.8	336.8	218.7	154.7	128.1	120.2	118.6	115.7	110.9	110.4
57.5°	575.1	502.0	338.9	213.9	150.4	125.0	118.3	116.6	114.0	108.7	108.7
60°	596.2	515.7	337.5	207.7	145.6	122.2	115.9	115.0	112.6	107.5	107.5
62.5°	608.4	521.2	332.0	199.8	140.1	119.0	113.8	113.3	111.1	106.3	106.3
65°	611.0	517.6	320.7	189.9	134.6	115.5	111.4	111.1	109.7	105.2	104.7
67°	603.8	508.3	308.3	181.6	129.8	112.6	109.2	109.2	108.0	104.0	103.7
67.5°	601.2	504.7	304.9	179.4	128.9	112.1	108.7	109.0	107.8	103.7	103.0
70°	578.2	480.5	284.3	167.2	122.2	107.8	105.6	105.9	104.9	101.8	101.1
72.5°	542.5	445.8	260.1	155.5	115.5	103.5	101.3	102.3	101.3	98.9	97.5
75°	494.4	403.4	235.0	142.0	108.7	98.2	96.8	97.2	97.0	94.6	93.4
77.5°	437.6	356.6	208.1	129.6	101.3	92.9	91.5	92.2	91.7	89.6	88.1
80°	376.1	307.3	182.3	117.1	93.7	86.9	85.5	85.7	85.5	83.4	81.4
82.5°	315.7	258.9	155.9	104.9	86.2	80.5	78.8	78.6	78.1	75.7	74.3
85°	260.6	212.7	133.2	93.2	78.6	73.3	71.9	70.9	70.2	67.5	66.6
87.5°	207.7	173.9	112.6	83.1	70.9	66.6	64.7	63.0	61.8	59.4	58.4
90°	165.7	140.1	96.0	72.8	64.0	60.1	57.5	55.3	53.9	51.3	49.8
92.5°	131.5	111.6	80.7	64.0	57.2	53.9	51.5	48.9	46.9	43.6	42.9
95°	104.2	89.8	68.0	56.0	50.8	47.9	45.7	42.9	40.2	36.9	36.2
97.5°	82.4	73.3	57.2	49.1	44.8	42.4	40.2	37.4	34.5	31.1	30.7
100°	65.9	58.9	49.1	42.9	40.0	37.6	35.4	32.8	29.2	25.9	25.9
102.5°	52.9	48.4	41.2	37.6	35.2	33.3	31.4	28.7	24.9	21.3	21.3
105°	42.9	40.0	35.4	32.8	31.1	29.7	27.8	24.7	20.8	18.0	18.0
107.5°	35.2	33.1	30.4	28.5	27.5	26.1	24.4	21.3	17.7	15.1	15.1



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.2	27.8	25.9	25.1	24.4	23.2	21.3	18.4	14.9	12.9	12.9
112.5°	24.4	23.7	22.3	22.0	21.6	20.6	18.7	15.8	12.5	11.3	11.3
115°	20.8	20.4	19.4	19.4	18.9	18.2	16.3	13.7	10.8	9.6	9.8
117.5°	17.7	17.5	17.0	17.0	16.8	16.0	14.1	11.7	9.1	8.6	8.6
120°	15.6	15.3	15.1	14.9	14.9	13.9	12.2	9.8	7.9	7.7	7.7
122.5°	13.4	13.4	13.2	13.2	12.9	12.0	10.5	8.4	6.9	6.7	6.7
125°	11.7	11.7	11.5	11.5	11.3	10.5	9.1	7.2	6.0	6.0	6.0
127.5°	10.3	10.3	10.1	10.1	9.8	8.9	7.7	6.0	5.3	5.3	5.5
130°	9.1	9.1	8.9	8.6	8.4	7.7	6.2	5.0	4.6	4.8	4.8
132.5°	7.9	7.7	7.7	7.4	6.9	6.2	5.3	4.3	4.1	4.3	4.3
135°	6.7	6.7	6.5	6.2	5.7	5.3	4.3	3.6	3.6	3.8	3.8
137.5°	5.7	5.7	5.5	5.0	4.8	4.1	3.4	2.9	3.1	3.4	3.4
140°	4.6	4.8	4.6	4.1	3.6	3.1	2.6	2.4	2.6	2.9	3.1
142.5°	3.8	3.8	3.6	3.1	2.6	2.2	1.9	1.9	2.4	2.6	2.6
145°	2.9	2.9	2.6	2.4	1.7	1.4	1.2	1.7	1.9	2.2	2.2
147.5°	1.9	1.9	1.9	1.4	1.0	0.7	0.7	1.2	1.7	1.7	1.7
150°	1.2	1.2	1.2	1.0	0.5	0.2	0.5	1.0	1.2	1.4	1.4
152.5°	0.7	0.7	0.7	0.5	0.2	0.0	0.2	0.7	1.0	1.0	1.0
155°	0.5	0.5	0.5	0.2	0.2	0.0	0.2	0.5	0.7	0.7	0.7
157.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.2
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)