

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: P414488

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414488
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-PA1-20-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2085 lumens
Efficiency: N/A
Efficacy: 99.3 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

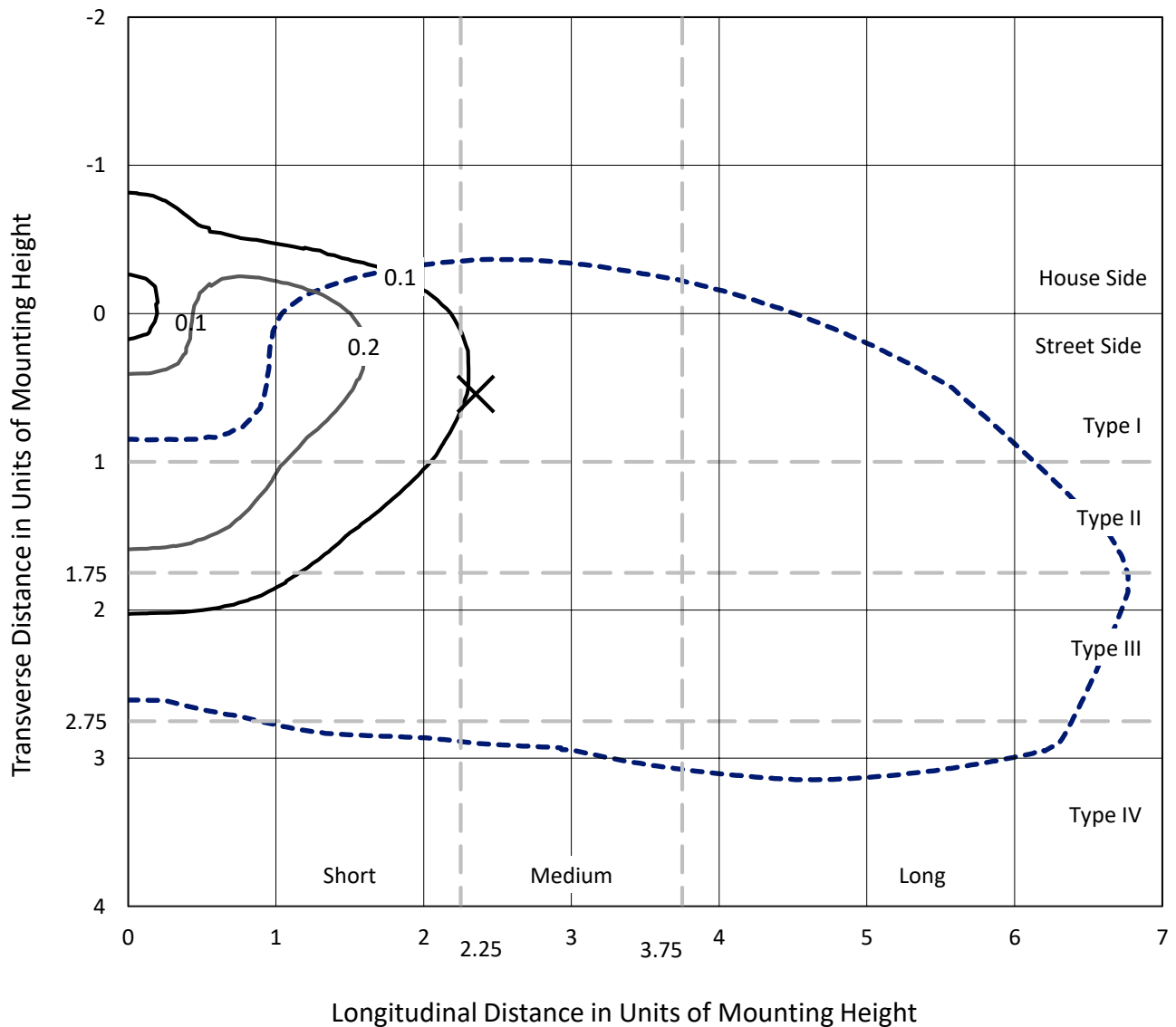
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414488
 CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

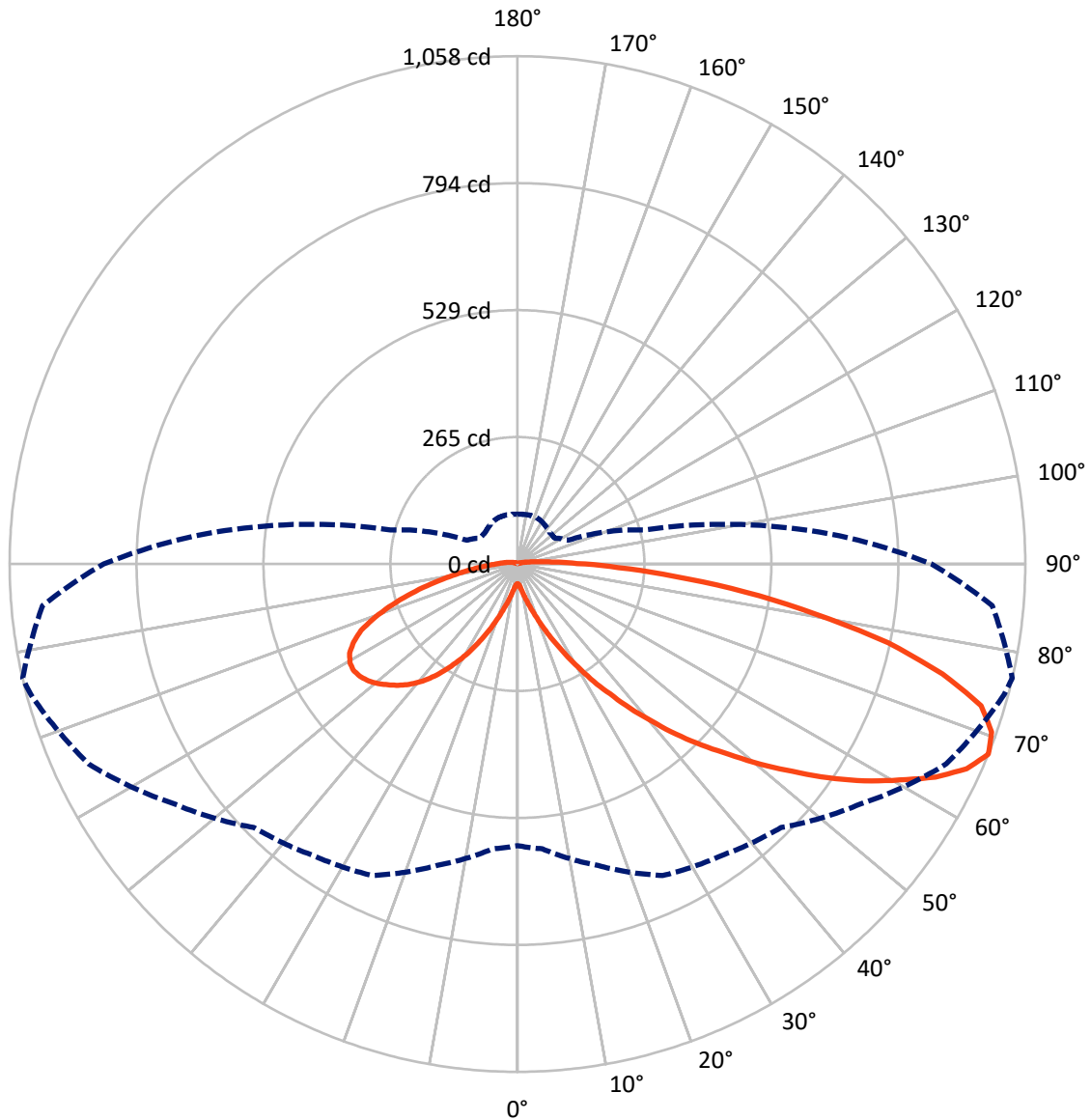
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P414488
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414488

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

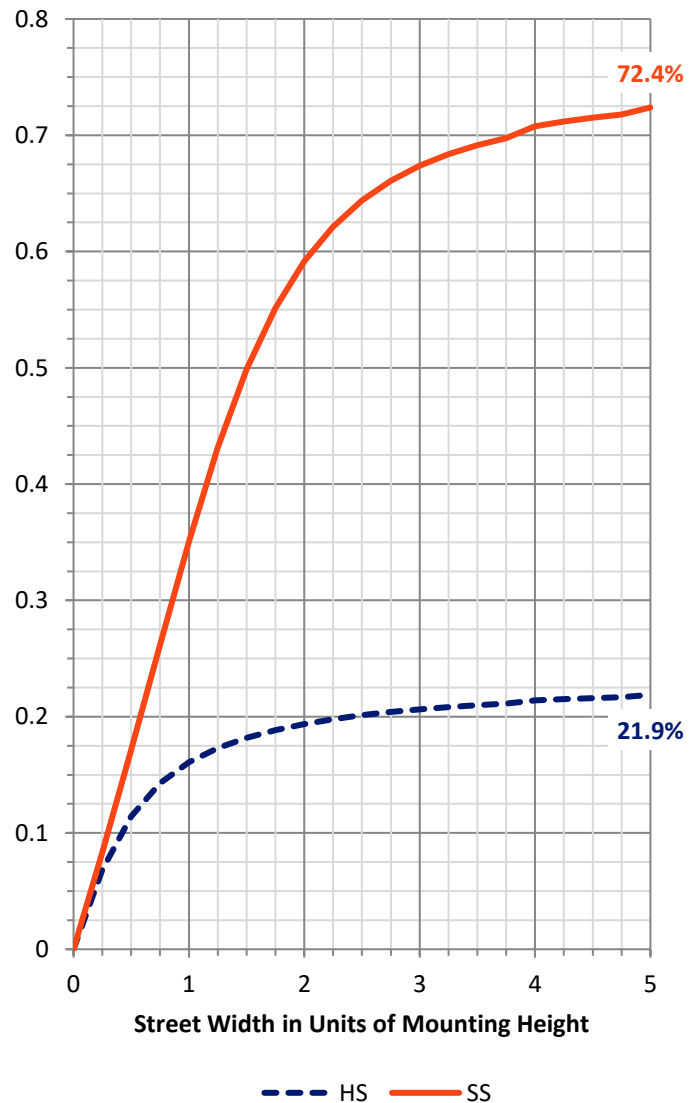
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.7	31.3	507.0
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	1543.1	34.9	1578.0
	% Fixture	74.0	1.7	75.7
Total	Lumens	2018.8	66.2	2085.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.2
10°-20°	24.2	1.2
20°-30°	72.2	3.5
30°-40°	160.0	7.7
40°-50°	286.6	13.7
50°-60°	429.2	20.6
60°-70°	505.9	24.3
70°-80°	386.2	18.5
80°-90°	149.7	7.2
90°-100°	38.2	1.8
100°-110°	14.4	0.7
110°-120°	6.8	0.3
120°-130°	3.6	0.2
130°-140°	2.0	0.1
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2018.8	96.8
0°-180°	2085.0	100.0



REPORT NUMBER: P414488

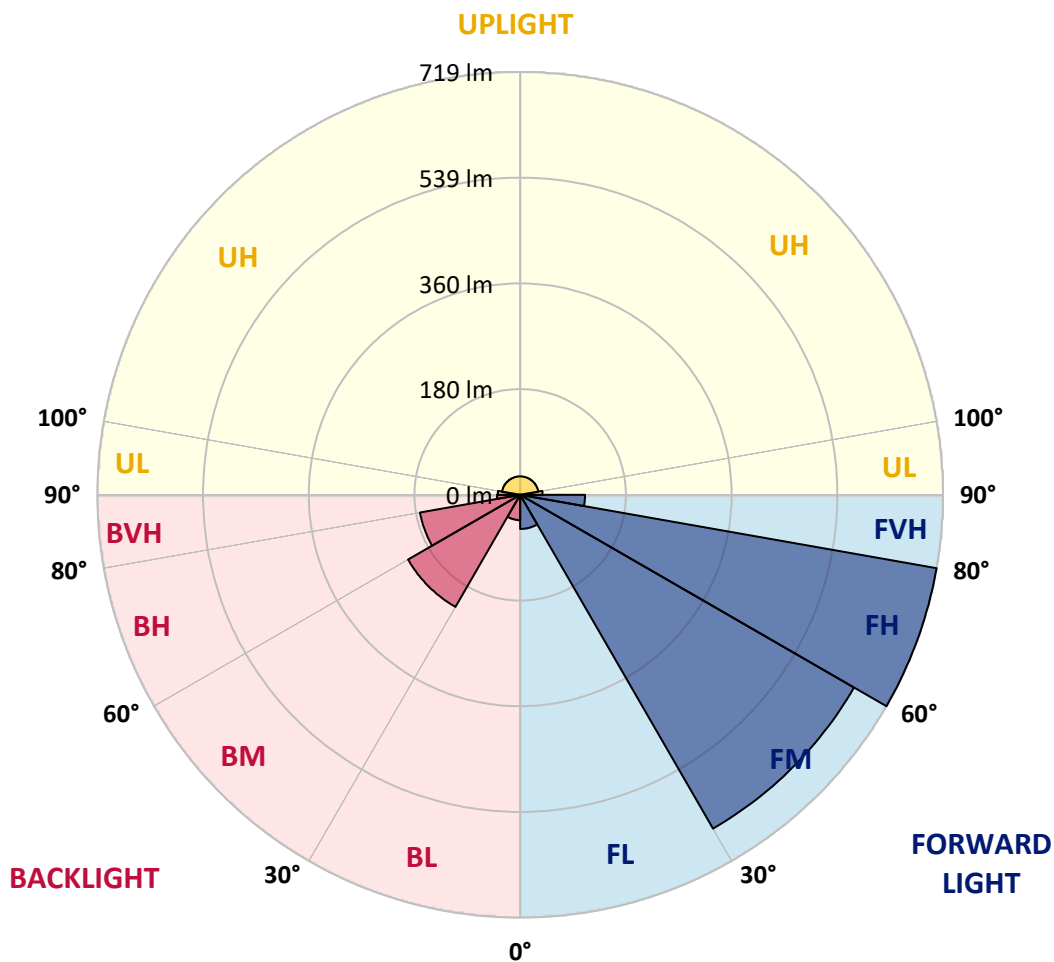
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.1	2.8			
FM	(30°-60°)	655.6	31.4			
FH	(60°-80°)	719.1	34.5			G1/1800
FVH	(80°-90°)	110.3	5.3			G2/225
BL	(0°-30°)	43.1	2.1	B0/110		
BM	(30°-60°)	220.2	10.6	B1/1000		
BH	(60°-80°)	173.0	8.3	B1/500		G1/500
BVH	(80°-90°)	39.5	1.9			G1/100
UL	(90°-100°)	38.2	1.8		U2/50	
UH	(100°-180°)	31.3	1.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





REPORT NUMBER: P414488

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	43.4	43.1	43.4	43.4	43.6	43.1	42.6	42.4	42.2	42.2	41.9
5°	47.9	47.4	47.7	47.9	47.7	47.2	46.5	46.2	45.8	45.8	45.3
7.5°	54.4	54.4	54.1	53.7	54.1	53.4	52.9	52.7	52.0	51.7	51.5
10°	64.2	63.7	63.5	63.0	62.5	62.3	61.3	61.3	60.1	60.6	59.9
12.5°	76.9	75.9	76.2	75.2	73.8	72.8	72.3	72.1	72.1	72.1	71.9
15°	92.2	91.5	91.3	89.1	87.7	86.5	85.5	85.8	87.0	87.2	86.2
17.5°	109.7	110.9	108.7	106.8	104.7	102.3	102.3	102.3	103.2	104.0	103.5
20°	134.1	131.7	129.3	126.2	122.6	120.7	119.8	122.6	124.3	125.5	125.0
22.5°	161.0	158.6	155.9	150.9	145.9	142.3	142.3	145.9	149.7	151.1	151.6
25°	191.4	192.8	186.4	178.7	169.6	166.5	167.0	172.2	178.0	179.2	182.0
27.5°	229.0	229.0	223.5	211.3	199.3	193.1	193.5	202.2	210.8	212.5	214.6
30°	274.7	273.1	265.6	249.4	233.5	221.8	224.0	234.5	248.2	249.6	252.2
32.5°	325.8	325.5	311.2	291.0	268.3	254.4	255.3	270.7	287.7	291.8	294.6
35°	382.3	383.7	365.1	335.8	309.5	290.8	293.9	311.4	331.3	332.2	335.8
37.5°	447.0	446.3	424.0	392.1	352.8	333.0	330.6	354.3	375.1	381.3	379.4
40°	518.6	510.9	489.4	449.8	401.5	374.9	375.4	399.8	428.1	430.0	429.5
42.5°	589.3	585.9	559.8	506.4	454.6	423.3	424.5	447.9	477.2	484.6	479.3
45°	665.4	657.0	628.8	573.7	510.7	476.7	473.6	499.9	532.0	537.8	532.7
47.5°	727.0	721.7	696.8	638.1	570.8	527.2	522.4	554.8	591.4	591.9	584.5
50°	778.0	775.4	755.7	703.8	629.0	583.8	578.7	610.8	649.1	655.4	644.6
52.5°	822.1	817.8	808.0	756.7	682.0	632.1	631.4	666.6	714.5	717.4	707.1
55°	836.2	838.9	837.4	801.2	733.9	680.0	686.0	733.5	776.3	786.4	767.0
57.5°	834.1	834.1	847.7	831.2	768.7	723.4	736.3	793.6	849.4	852.5	829.3
60°	801.5	802.2	835.0	839.6	793.6	760.5	790.9	854.7	911.9	913.8	892.0
62.5°	754.5	752.9	801.0	824.0	796.7	782.6	830.0	908.1	970.8	977.3	944.5
65°	681.2	684.4	736.3	782.1	780.4	790.9	860.4	956.2	1018.7	1028.1	980.7
67.5°	586.6	595.7	650.3	716.0	741.4	776.3	871.7	985.7	1049.9	1058.0	992.9
70°	486.0	483.9	543.0	625.4	675.0	739.0	859.2	986.9	1050.6	1048.0	966.8
72.5°	368.6	377.7	430.9	514.8	588.3	668.1	818.7	956.2	1010.4	1009.9	897.8
75°	262.1	267.6	314.5	398.3	486.0	585.2	738.0	889.4	929.2	914.8	797.9
77.5°	172.9	178.0	218.5	294.9	376.1	481.0	629.5	772.7	804.4	789.5	670.5
80°	107.6	109.9	140.6	201.2	273.3	372.7	509.7	631.9	644.4	629.3	516.2
82.5°	64.0	65.9	87.9	129.1	194.7	271.4	384.2	484.3	488.4	478.1	372.2
85°	39.3	41.9	56.1	86.2	129.8	191.4	267.8	336.5	339.4	327.4	246.0
87.5°	25.6	27.1	38.1	56.1	87.4	128.2	179.4	224.0	217.5	210.1	155.5
90°	17.5	18.4	26.1	38.6	59.2	84.8	113.5	140.1	129.8	124.1	94.4
92.5°	12.2	13.2	19.2	27.8	41.0	56.8	73.8	83.8	79.5	76.9	59.4
95°	9.6	10.1	14.6	21.6	30.4	40.2	48.9	52.0	49.3	47.4	40.0
97.5°	7.7	8.1	12.2	17.5	23.7	29.9	34.0	35.0	32.3	31.4	27.8
100°	6.5	6.9	10.3	14.6	19.4	23.7	25.4	25.2	23.0	22.5	20.1
102.5°	5.7	6.0	9.1	12.7	16.5	19.2	20.1	18.9	16.8	16.5	15.1
105°	5.0	5.5	7.9	11.0	14.1	16.3	16.3	14.9	12.5	12.2	11.5
107.5°	4.8	4.8	6.9	9.6	12.2	13.7	13.7	12.0	9.8	9.3	8.9
110°	4.3	4.6	6.2	8.4	10.5	11.7	11.5	9.6	7.4	7.2	6.9



REPORT NUMBER: P414488

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.1	4.1	5.5	7.4	9.1	10.1	9.6	7.9	6.0	5.7	5.5
115°	3.8	3.8	5.0	6.7	8.1	8.9	8.1	6.5	4.8	4.6	4.8
117.5°	3.6	3.8	4.6	6.0	7.2	7.7	6.9	5.5	4.1	3.8	4.1
120°	3.6	3.6	4.3	5.3	6.2	6.7	6.0	4.6	3.4	3.4	3.6
122.5°	3.6	3.6	4.1	4.8	5.5	5.7	5.0	3.8	3.1	3.1	3.4
125°	3.4	3.4	3.8	4.3	5.0	5.0	4.6	3.4	2.6	2.6	3.1
127.5°	3.4	3.4	3.6	4.1	4.6	4.6	3.8	2.9	2.4	2.6	2.9
130°	3.1	3.1	3.4	3.6	4.1	3.8	3.4	2.6	2.2	2.4	2.6
132.5°	3.1	3.1	3.1	3.4	3.6	3.4	2.9	2.2	2.2	2.2	2.4
135°	2.9	2.9	3.1	3.1	3.1	2.9	2.4	1.9	1.9	1.9	2.2
137.5°	2.9	2.9	2.9	2.9	2.9	2.6	2.2	1.7	1.7	1.7	1.9
140°	2.6	2.6	2.6	2.4	2.4	2.2	1.7	1.4	1.4	1.4	1.7
142.5°	2.4	2.4	2.4	2.2	2.2	1.7	1.4	1.2	1.2	1.4	1.4
145°	2.2	2.2	2.2	1.9	1.7	1.4	1.0	1.0	1.2	1.2	1.4
147.5°	1.7	1.7	1.7	1.7	1.2	1.2	0.7	1.0	1.0	1.2	1.2
150°	1.4	1.4	1.4	1.4	1.0	0.7	0.5	0.7	1.0	1.0	1.0
152.5°	1.2	1.2	1.2	1.2	0.7	0.5	0.5	0.7	0.7	0.7	1.0
155°	0.7	0.7	1.0	0.7	0.5	0.2	0.5	0.5	0.7	0.7	0.7
157.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.5	0.5	0.5	0.7
160°	0.2	0.2	0.5	0.5	0.5	0.2	0.2	0.2	0.5	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



REPORT NUMBER: P414488

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2.5°	41.7	41.9	41.7	41.4	41.4	41.2	41.2	41.2	41.2	41.0	41.0
5°	45.5	45.3	45.0	44.6	44.1	43.6	43.6	43.4	43.1	42.9	42.9
7.5°	50.8	50.8	50.3	49.6	48.9	48.4	47.9	47.7	46.9	46.9	46.7
10°	58.9	58.9	57.5	56.8	55.6	54.4	53.9	53.2	52.7	52.5	52.2
12.5°	70.7	69.9	68.5	66.1	63.7	61.8	60.6	60.1	60.4	60.4	60.6
15°	85.8	84.3	82.2	77.6	73.3	70.4	69.7	69.7	69.9	69.9	70.2
17.5°	103.7	101.6	96.8	91.0	84.8	81.0	79.3	79.3	79.8	80.5	81.2
20°	125.5	123.6	116.2	106.1	96.8	91.7	88.9	88.6	89.6	91.7	91.3
22.5°	150.2	148.0	137.0	122.4	109.5	101.3	98.2	99.2	101.6	103.0	103.0
25°	179.9	176.3	159.8	138.5	121.9	110.4	106.4	107.8	111.4	113.1	113.8
27.5°	211.8	207.0	184.9	155.9	131.7	117.9	113.5	115.5	119.8	122.4	123.1
30°	249.6	241.2	211.3	172.2	140.6	123.1	118.6	122.2	127.0	130.1	130.8
32.5°	289.4	276.4	234.0	186.1	147.1	126.7	122.2	126.5	131.7	135.3	135.6
35°	329.1	314.3	259.2	197.4	150.4	128.4	123.6	128.6	134.4	137.3	138.0
37.5°	372.2	351.6	281.0	204.6	151.9	128.2	123.6	128.6	134.1	136.5	137.0
40°	413.7	388.3	300.4	208.9	151.4	126.2	121.9	127.2	132.0	133.7	133.4
42.5°	460.1	423.7	315.9	209.1	148.0	123.4	119.8	124.3	127.7	127.4	127.7
45°	504.5	461.3	327.4	207.4	143.5	119.8	116.9	121.0	122.2	121.0	120.7
47.5°	553.1	498.7	336.5	203.1	138.0	116.4	113.8	116.9	117.1	114.5	114.0
50°	604.6	536.1	344.9	195.2	131.5	112.6	110.9	113.5	113.1	108.7	108.0
52.5°	654.9	573.9	350.2	185.6	125.0	109.2	108.5	111.1	109.7	104.7	103.7
55°	708.5	608.9	351.2	176.1	118.8	106.4	106.4	109.2	107.6	102.3	101.6
57.5°	761.0	645.6	347.6	163.6	112.8	103.2	104.7	108.0	106.8	101.6	101.1
60°	810.1	673.1	337.7	151.9	107.3	101.1	103.5	107.3	106.4	102.0	101.6
62.5°	848.2	691.3	322.2	140.4	102.5	98.9	102.3	106.1	106.4	102.8	103.0
65°	865.9	691.3	299.7	128.9	98.2	96.8	101.1	105.4	105.9	103.7	103.7
67.5°	862.1	673.6	274.3	116.9	94.1	94.1	99.4	104.0	104.9	104.0	104.0
70°	821.6	625.7	239.5	107.3	90.1	91.0	96.8	101.6	103.0	103.2	103.0
72.5°	755.7	553.6	203.6	97.3	85.8	87.9	93.4	98.2	100.1	100.6	100.4
75°	653.9	470.0	168.4	88.9	81.2	83.8	89.6	93.7	95.8	96.8	96.3
77.5°	525.5	373.0	138.0	80.5	75.9	78.8	84.3	87.7	90.3	91.5	90.5
80°	400.5	277.6	109.7	72.1	69.5	72.6	77.4	81.0	83.4	83.8	83.1
82.5°	284.3	196.9	87.9	64.2	62.5	65.2	69.5	71.9	74.7	74.5	73.1
85°	186.4	133.7	69.0	55.8	55.1	56.8	60.1	61.6	64.4	64.4	62.8
87.5°	121.2	88.6	54.4	46.9	47.7	49.1	50.8	52.0	53.2	53.4	52.0
90°	77.4	60.6	43.4	40.0	40.7	41.9	41.9	41.7	43.6	44.1	42.9
92.5°	50.8	43.1	35.9	34.0	34.5	34.7	34.7	33.8	35.5	35.7	34.7
95°	35.7	32.3	29.7	29.2	29.2	29.2	28.7	27.5	29.0	29.0	28.5
97.5°	26.8	25.2	24.9	24.9	24.9	24.7	24.0	23.5	24.0	24.0	23.7
100°	20.1	19.9	20.6	21.1	21.3	21.1	20.6	19.9	19.9	18.9	19.2
102.5°	15.3	15.8	17.2	18.0	18.0	18.0	17.7	16.8	16.3	15.3	15.1
105°	12.0	12.5	14.1	15.1	15.3	15.6	15.1	14.1	13.2	12.2	12.0
107.5°	9.3	10.1	11.5	12.7	13.2	13.2	12.9	12.0	10.8	9.6	9.6
110°	7.7	8.1	9.6	10.8	11.3	11.3	11.0	9.8	8.6	7.7	7.7



REPORT NUMBER: P414488

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	6.7	8.1	9.1	9.6	9.8	9.3	8.4	7.2	6.2	6.2
115°	5.3	5.7	6.9	7.7	8.1	8.1	7.9	6.9	6.0	5.3	5.3
117.5°	4.6	5.0	6.0	6.7	6.9	7.2	6.7	6.0	5.0	4.6	4.6
120°	4.1	4.3	5.3	5.7	6.0	6.0	5.7	5.0	4.3	4.1	4.1
122.5°	3.6	4.1	4.6	5.0	5.3	5.3	5.0	4.3	3.8	3.6	3.8
125°	3.4	3.6	4.1	4.6	4.6	4.6	4.3	3.8	3.4	3.4	3.4
127.5°	3.1	3.4	3.6	3.8	4.1	4.1	3.8	3.4	3.1	3.1	3.1
130°	2.9	3.1	3.4	3.4	3.6	3.6	3.4	2.9	2.9	2.9	2.9
132.5°	2.6	2.9	2.9	3.1	3.1	3.1	2.9	2.6	2.6	2.6	2.6
135°	2.4	2.4	2.6	2.6	2.6	2.6	2.4	2.4	2.4	2.4	2.4
137.5°	2.2	2.2	2.4	2.2	2.4	2.2	2.2	1.9	2.2	2.2	2.2
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.7	1.9	1.9	1.9
142.5°	1.7	1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7
145°	1.4	1.4	1.4	1.2	1.2	1.0	1.2	1.2	1.4	1.4	1.4
147.5°	1.2	1.2	1.2	1.2	1.0	0.7	0.7	1.0	1.2	1.2	1.2
150°	1.0	1.2	1.2	1.0	0.7	0.5	0.5	0.7	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.2	0.5	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.5	0.2	0.0	0.5	0.5	0.5	0.5
157.5°	0.7	0.7	0.7	0.5	0.2	0.0	0.0	0.2	0.5	0.2	0.2
160°	0.5	0.5	0.5	0.5	0.2	0.2	0.0	0.2	0.2	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)