

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: P414977

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414977  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3808 lumens  
Efficiency: N/A  
Efficacy: 95.2 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 - G3

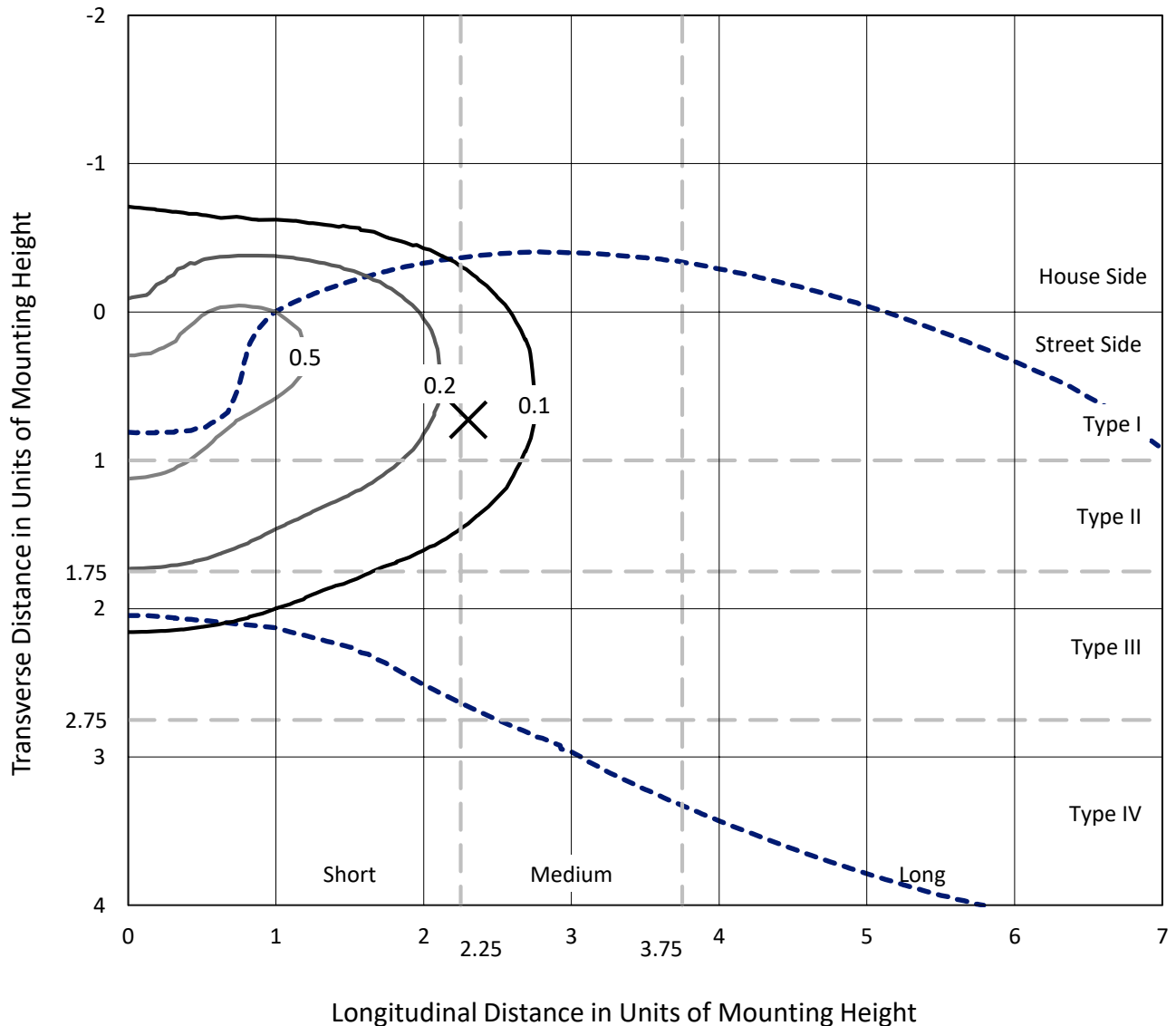
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414977  
 CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

### Iso-Footcandle Lines of Horizontal Illumination

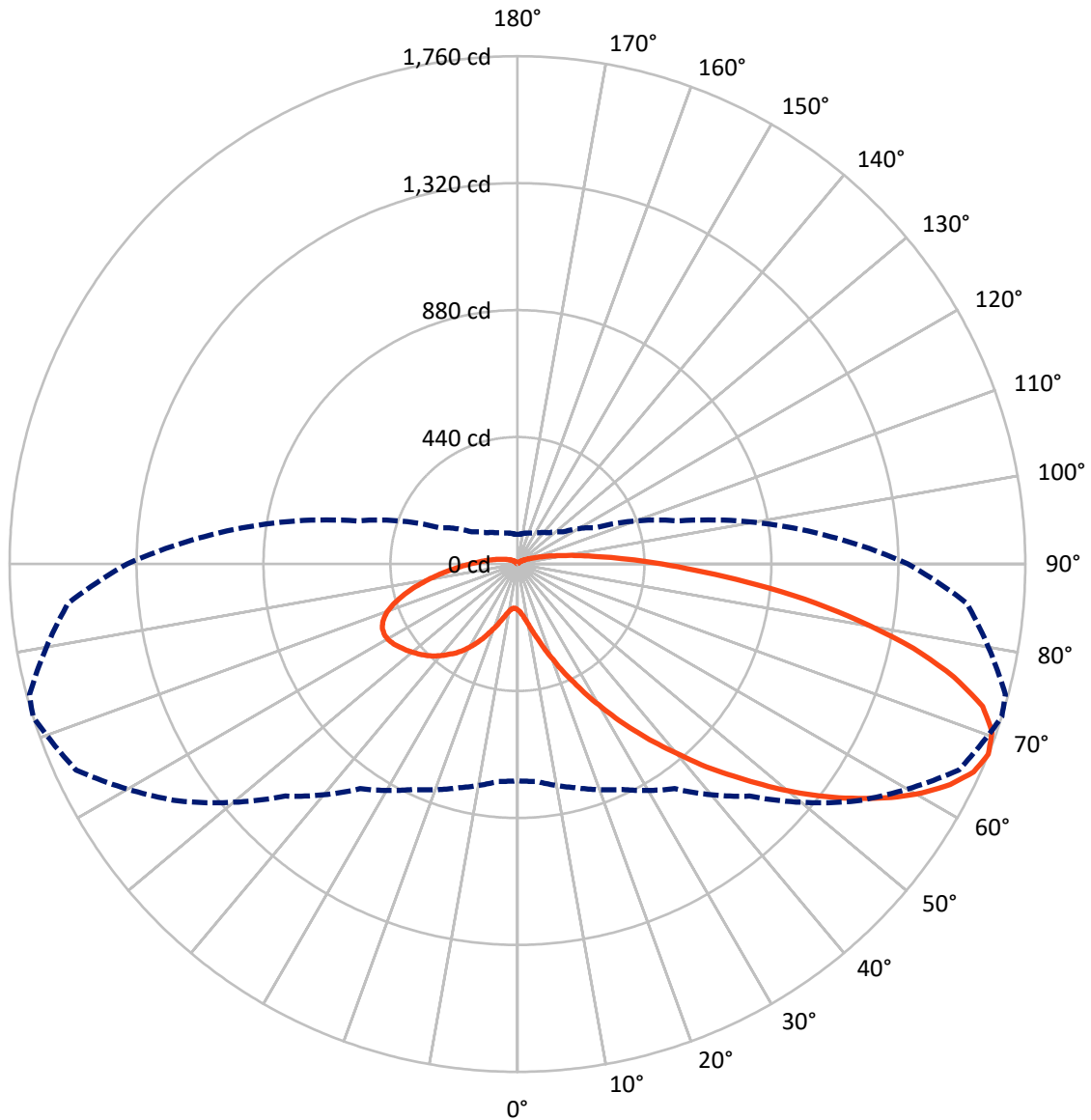
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414977  
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P414977

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	773.3	110.0	883.3
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	2711.5	213.3	2924.7
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	3484.7	323.3	3808.0
	% Fixture	91.5	8.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.4	0.4
10°-20°	65.0	1.7
20°-30°	156.9	4.1
30°-40°	299.0	7.9
40°-50°	481.3	12.6
50°-60°	666.0	17.5
60°-70°	765.2	20.1
70°-80°	656.8	17.2
80°-90°	378.2	9.9
90°-100°	170.9	4.5
100°-110°	78.6	2.1
110°-120°	39.5	1.0
120°-130°	20.5	0.5
130°-140°	9.7	0.3
140°-150°	3.3	0.1
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3484.7	91.5
0°-180°	3808.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P414977

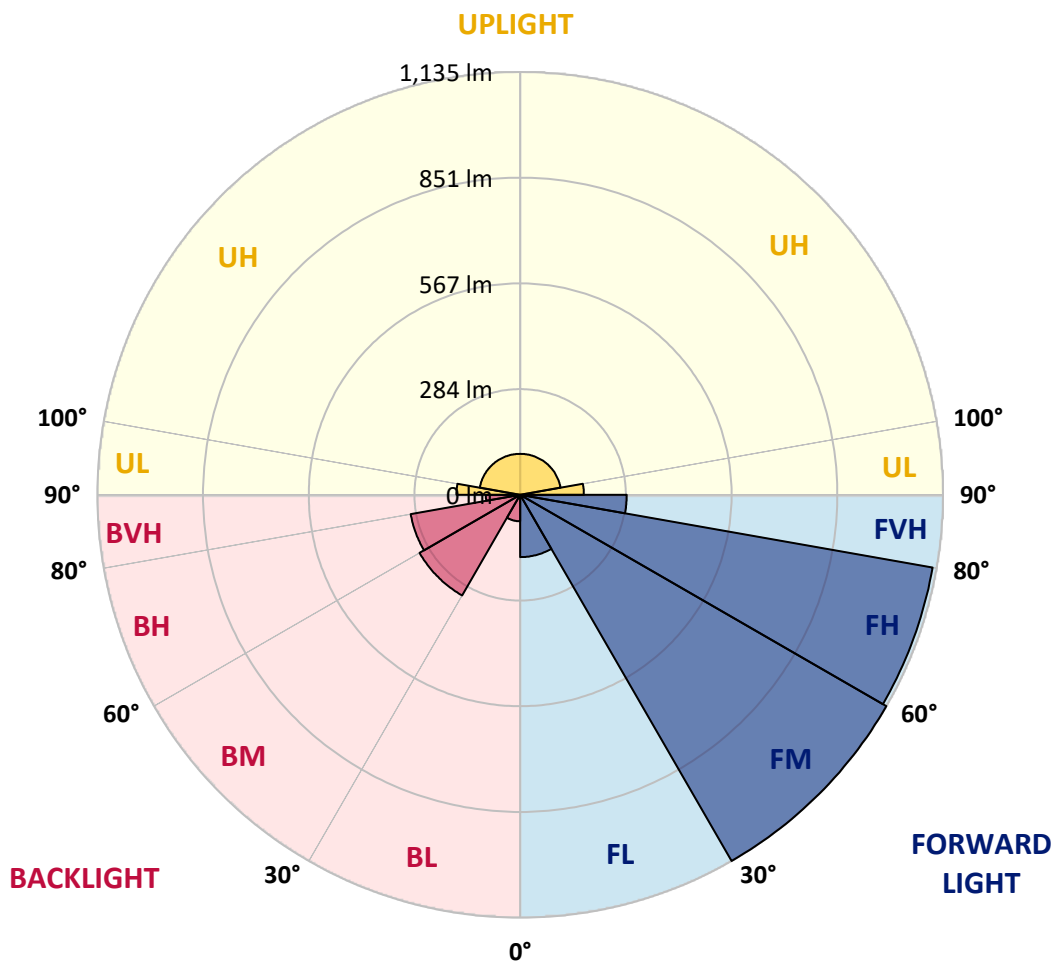
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.2	4.4			
FM	(30°-60°)	1134.6	29.8			
FH	(60°-80°)	1123.8	29.5			G1/1800
FVH	(80°-90°)	285.9	7.5			G3/500
BL	(0°-30°)	71.0	1.9	B0/110		
BM	(30°-60°)	311.8	8.2	B1/1000		
BH	(60°-80°)	298.2	7.8	B1/500		G1/500
BVH	(80°-90°)	92.3	2.4			G1/100
UL	(90°-100°)	170.9	4.5		U3/500	
UH	(100°-180°)	110.0	2.9		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





REPORT NUMBER: P414977

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
2.5°	178.1	177.6	178.1	176.7	175.3	172.6	170.8	167.1	165.3	164.4	160.7
5°	203.3	202.8	202.3	200.5	195.9	192.7	187.2	180.8	176.7	174.9	168.9
7.5°	230.7	229.8	228.9	224.8	221.6	216.1	207.8	199.6	192.7	191.4	180.4
10°	261.9	260.9	259.1	255.9	250.0	242.2	234.9	223.0	214.3	210.1	198.2
12.5°	293.9	295.7	293.5	287.0	280.2	272.9	262.3	250.9	241.7	238.5	220.2
15°	332.8	334.2	331.9	324.6	317.3	306.3	298.0	286.1	273.8	271.9	251.8
17.5°	375.9	375.4	370.8	364.0	357.5	348.8	336.9	326.0	312.2	309.0	284.3
20°	422.6	420.7	416.6	405.2	399.2	389.1	381.8	366.7	353.4	348.8	324.1
22.5°	469.2	468.3	464.7	454.1	446.8	438.1	427.1	413.4	404.2	395.1	367.6
25°	527.8	522.4	517.8	499.0	492.1	483.9	474.3	462.8	454.1	449.1	417.5
27.5°	586.4	582.3	571.8	558.1	544.8	531.5	527.4	517.3	514.6	510.5	474.7
30°	644.6	642.8	631.3	613.9	594.7	581.9	579.6	580.5	576.4	571.3	533.3
32.5°	710.5	706.4	693.6	670.2	650.1	635.0	635.0	641.4	645.0	640.0	599.7
35°	775.1	771.4	755.4	726.5	704.1	685.8	693.1	708.2	716.9	716.9	667.0
37.5°	843.3	835.0	818.6	788.3	758.1	744.8	753.1	779.2	792.0	792.0	741.6
40°	902.8	902.3	879.9	843.7	814.0	794.3	819.5	854.3	871.2	869.8	816.7
42.5°	962.3	961.8	940.3	900.5	863.0	852.9	884.5	933.5	960.9	960.9	892.7
45°	1015.9	1012.2	993.9	949.9	915.2	910.6	957.3	1019.5	1047.9	1052.5	975.1
47.5°	1055.2	1052.0	1036.0	993.4	960.5	968.7	1025.0	1104.2	1142.7	1142.2	1059.4
50°	1081.8	1078.6	1064.9	1028.2	999.8	1020.4	1098.7	1194.0	1242.0	1245.7	1142.7
52.5°	1089.6	1087.7	1080.4	1050.2	1031.9	1067.1	1167.9	1285.5	1340.0	1343.2	1233.8
55°	1076.3	1076.3	1075.8	1057.5	1050.2	1108.8	1239.3	1374.8	1433.8	1439.8	1323.5
57.5°	1045.2	1046.5	1054.8	1048.8	1059.8	1142.2	1299.7	1455.4	1526.8	1530.4	1403.6
60°	998.0	995.3	1013.6	1024.6	1054.3	1163.3	1353.3	1536.4	1611.0	1612.4	1474.1
62.5°	926.6	928.0	954.5	983.4	1034.6	1172.0	1400.4	1607.4	1682.9	1686.1	1529.1
65°	842.4	845.6	881.7	930.3	1000.8	1162.8	1427.4	1661.8	1737.4	1733.2	1560.7
67.5°	751.3	755.8	803.0	862.0	950.4	1137.2	1432.0	1687.9	1759.8	1750.6	1563.4
70°	651.5	663.4	710.5	787.4	885.4	1088.2	1405.5	1683.3	1744.7	1736.0	1522.7
72.5°	560.8	569.5	621.2	701.4	812.6	1017.2	1349.1	1630.7	1685.6	1668.2	1437.5
75°	470.6	483.9	532.9	618.5	733.9	929.3	1253.5	1529.1	1562.9	1544.2	1310.7
77.5°	393.7	405.6	454.1	536.5	647.3	837.3	1128.0	1374.8	1402.7	1383.5	1150.5
80°	320.9	334.2	381.4	462.4	566.3	729.3	984.3	1194.4	1204.9	1174.7	973.7
82.5°	268.3	275.1	319.1	390.5	486.2	629.0	836.9	1002.1	1002.6	966.4	791.1
85°	219.3	223.4	263.7	328.2	410.2	531.5	687.2	807.1	798.0	778.3	609.8
87.5°	177.6	181.7	217.9	276.1	345.2	443.6	560.8	635.4	613.9	598.4	473.4
90°	145.6	150.2	179.9	230.3	289.8	366.2	446.4	491.2	472.0	460.1	364.9
92.5°	119.0	123.6	149.7	192.7	245.4	299.9	354.8	375.9	362.6	348.8	275.1
95°	100.7	101.6	125.0	161.1	202.8	242.2	277.9	290.2	271.9	266.9	212.9
97.5°	82.9	85.6	103.9	136.0	169.4	201.9	220.2	226.6	210.1	199.1	163.0
100°	70.5	71.9	87.9	113.5	141.0	164.4	178.5	175.3	160.7	154.3	123.6
102.5°	60.4	61.8	74.6	98.4	119.9	136.9	143.8	138.7	125.0	120.9	97.1
105°	53.1	53.6	64.1	83.3	101.6	115.8	118.6	110.8	97.5	92.0	76.5
107.5°	47.2	47.6	55.9	72.3	87.9	97.5	98.4	89.7	76.9	72.8	61.3
110°	42.1	43.0	49.0	62.7	76.0	83.3	82.4	73.2	61.3	57.7	50.4



REPORT NUMBER: P414977

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	38.0	38.9	43.5	54.9	65.9	72.3	70.0	59.1	49.0	46.7	41.7
115°	34.8	35.7	39.4	48.5	58.1	62.7	59.1	49.0	40.3	37.5	34.8
117.5°	32.5	33.0	35.7	43.0	50.4	54.0	49.9	40.7	33.0	31.1	29.8
120°	30.2	30.7	33.0	38.0	44.4	46.2	42.1	33.4	27.5	26.6	26.1
122.5°	28.4	28.4	30.2	33.9	38.5	39.8	35.7	27.9	23.3	22.4	22.9
125°	26.6	26.6	27.5	30.2	33.4	34.3	29.8	23.3	19.7	19.2	20.1
127.5°	24.7	24.7	25.2	27.0	28.8	28.8	24.7	19.2	16.9	16.5	17.9
130°	22.9	22.9	22.9	23.8	24.7	24.3	20.1	16.0	14.6	14.6	15.6
132.5°	21.1	21.1	21.1	21.1	20.6	19.7	16.5	12.8	12.8	12.8	13.7
135°	18.8	18.8	18.8	18.3	17.4	16.0	12.8	10.5	10.5	11.0	11.9
137.5°	16.9	16.9	16.5	15.6	14.2	12.4	10.1	8.2	9.2	9.2	10.1
140°	14.6	14.6	14.2	12.8	11.0	9.2	7.3	6.9	7.3	7.8	8.7
142.5°	12.4	12.4	11.9	10.5	8.7	6.4	5.0	5.0	6.0	6.0	6.9
145°	10.1	10.1	9.6	8.2	6.0	4.1	3.2	3.7	4.6	4.6	5.0
147.5°	7.8	7.8	7.3	6.0	4.1	2.7	1.8	2.7	3.2	3.2	3.7
150°	5.5	5.5	5.0	4.1	2.7	1.4	0.9	1.4	1.8	2.3	2.3
152.5°	3.7	3.7	3.2	2.7	1.4	0.5	0.9	1.4	1.4	1.4	1.8
155°	2.3	1.8	1.8	1.4	0.5	0.0	0.5	0.9	0.9	0.9	1.4
157.5°	0.9	0.9	0.9	0.9	0.5	0.0	0.5	0.5	0.5	0.9	0.9
160°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
162.5°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
165°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
167.5°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
170°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
172.5°	0.0	0.5	0.5	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
175°	0.0	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.0	0.5	0.5	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





REPORT NUMBER: P414977

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
2.5°	159.8	157.9	155.2	152.4	149.7	147.9	146.0	145.1	143.8	142.4	142.4
5°	165.3	161.6	155.2	148.8	142.8	137.8	132.8	130.0	128.2	126.4	126.8
7.5°	175.3	169.8	159.3	148.8	139.2	130.9	124.1	118.6	114.9	112.6	113.1
10°	189.5	183.6	167.6	152.4	138.7	126.8	117.2	109.4	104.8	102.5	102.5
12.5°	212.0	201.9	180.8	159.3	141.0	125.0	112.6	103.5	97.1	94.3	93.8
15°	239.0	224.8	199.1	172.6	146.5	125.0	109.0	102.5	98.4	96.6	96.1
17.5°	271.0	255.5	220.2	185.0	153.8	127.7	114.0	106.2	101.6	99.8	99.3
20°	305.8	287.5	243.1	200.5	161.1	136.0	119.0	109.4	104.4	102.5	102.5
22.5°	348.4	324.1	267.8	214.3	170.3	142.8	124.1	112.2	107.6	105.8	105.3
25°	392.3	364.9	297.1	228.9	180.4	148.3	127.7	114.9	110.3	108.5	109.0
27.5°	444.1	408.8	326.0	243.6	189.1	151.5	129.6	117.2	112.6	111.2	111.7
30°	498.1	453.7	351.6	258.7	195.0	153.8	130.9	119.0	114.0	113.1	113.1
32.5°	555.3	505.0	378.1	271.9	198.7	154.3	130.9	119.9	114.9	114.5	114.9
35°	613.9	554.4	403.8	282.5	200.5	153.8	130.5	120.9	114.9	114.9	114.9
37.5°	678.9	602.9	425.3	289.8	201.0	152.4	130.0	120.4	114.9	114.9	115.4
40°	745.8	654.7	449.1	295.7	200.5	151.5	129.6	120.4	114.9	114.9	115.4
42.5°	812.1	702.7	471.5	299.4	199.6	150.6	129.1	120.4	114.9	114.0	114.5
45°	884.0	758.6	493.1	301.7	198.7	150.2	129.1	119.9	114.9	113.1	113.5
47.5°	950.9	810.3	510.5	304.4	198.2	150.2	129.6	119.9	114.5	112.6	112.6
50°	1026.4	863.9	528.3	305.4	197.3	150.2	129.6	119.9	114.0	111.2	111.7
52.5°	1101.0	917.9	545.7	307.2	197.3	150.6	130.0	119.9	113.5	109.9	109.9
55°	1172.4	966.0	561.3	308.6	197.3	151.5	131.4	119.9	113.1	108.5	108.5
57.5°	1237.9	1015.4	576.8	309.0	197.3	152.4	131.4	120.4	112.6	107.1	107.1
60°	1296.0	1058.0	587.8	309.5	196.9	153.4	132.3	119.9	112.2	105.8	105.8
62.5°	1337.2	1090.5	593.3	308.1	196.9	153.4	132.8	119.9	111.7	105.3	104.8
65°	1360.6	1101.9	590.1	304.0	195.9	153.4	132.3	119.5	110.8	104.4	103.9
67.5°	1352.8	1089.6	576.4	297.6	193.7	152.9	132.3	118.6	110.8	103.9	103.0
70°	1310.7	1052.5	550.3	288.0	190.4	151.1	130.5	117.2	109.9	103.5	102.5
72.5°	1228.3	977.9	512.3	272.9	185.0	148.3	128.2	114.9	108.0	102.1	100.7
75°	1113.8	889.1	466.0	257.3	178.1	144.7	125.4	112.6	105.8	100.3	98.9
77.5°	966.9	770.5	414.8	237.1	169.4	139.6	121.8	109.0	102.5	97.5	95.7
80°	814.4	649.2	359.4	216.1	160.2	133.2	116.3	104.4	98.4	93.8	91.6
82.5°	659.2	533.3	307.6	195.9	149.7	125.9	110.8	99.3	93.8	88.8	86.5
85°	520.1	421.6	257.7	174.9	138.7	118.6	104.4	93.4	88.4	82.9	80.6
87.5°	404.7	334.7	215.6	155.7	126.8	110.3	97.5	87.4	81.5	76.5	74.6
90°	315.4	263.7	180.4	137.3	116.3	102.1	90.2	81.0	75.1	70.0	67.8
92.5°	240.3	208.8	151.1	121.3	105.8	93.8	83.3	74.6	68.7	63.2	60.9
95°	188.2	165.7	127.7	106.7	95.2	85.2	76.5	68.2	61.8	55.9	54.5
97.5°	146.0	132.8	107.6	93.4	86.1	76.9	69.1	61.8	55.4	49.4	48.1
100°	115.4	105.8	91.1	82.9	76.5	69.1	62.3	55.9	49.0	42.6	42.1
102.5°	91.1	87.0	77.4	72.8	67.8	62.3	56.3	49.4	42.6	36.6	36.2
105°	74.6	71.0	66.4	63.6	60.4	55.4	49.9	43.9	37.1	31.6	31.6
107.5°	60.4	58.6	56.3	55.9	53.6	49.4	44.9	38.9	32.0	27.5	27.5
110°	49.4	49.0	49.0	49.0	47.6	44.4	39.8	33.9	27.0	23.8	23.8



REPORT NUMBER: P414977

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	41.7	41.7	42.1	43.0	42.1	38.9	34.8	29.3	23.3	20.6	20.6
115°	35.3	35.7	37.1	37.5	37.1	34.8	30.7	25.2	19.7	17.9	18.3
117.5°	30.7	30.7	32.5	33.4	33.0	30.7	26.6	21.5	16.9	16.0	16.0
120°	26.6	27.5	28.8	29.3	28.8	26.6	23.3	18.3	14.6	14.2	14.2
122.5°	23.3	23.8	25.2	26.1	25.2	23.3	19.7	15.6	12.4	12.4	12.8
125°	20.6	21.1	22.0	22.9	22.0	19.7	16.9	12.8	11.0	11.0	11.0
127.5°	18.3	18.8	19.7	19.7	18.8	16.9	14.2	11.0	9.2	9.6	9.6
130°	16.0	16.5	16.9	16.9	16.5	14.6	11.9	9.2	8.2	8.7	8.7
132.5°	14.2	14.6	14.6	14.6	13.7	12.4	10.1	7.8	7.3	7.8	7.8
135°	12.4	12.4	12.8	12.4	11.4	10.1	7.8	6.4	6.4	6.9	6.9
137.5°	10.5	11.0	11.0	10.1	9.2	7.8	6.4	5.5	5.5	6.0	6.0
140°	8.7	9.2	8.7	8.2	7.3	6.4	5.0	4.1	4.6	5.0	5.0
142.5°	7.3	7.3	7.3	6.4	5.5	4.6	3.7	3.7	4.1	4.1	4.6
145°	5.5	5.5	5.5	5.0	4.1	3.2	2.7	2.7	3.2	3.7	3.7
147.5°	4.1	4.1	4.1	3.7	2.7	2.3	1.8	2.3	2.7	3.2	2.7
150°	2.7	2.7	2.7	2.3	1.8	1.4	1.4	1.8	2.3	2.3	2.3
152.5°	1.8	1.8	1.8	1.8	1.4	0.5	0.9	1.4	1.8	1.8	1.8
155°	1.4	1.4	1.4	1.4	0.9	0.0	0.5	0.9	1.4	1.4	1.4
157.5°	0.9	0.9	0.9	0.9	0.5	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.5	0.9	0.9	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.0
165°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
167.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
170°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
172.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
175°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)