

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: P694511

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-727-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2320 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G2

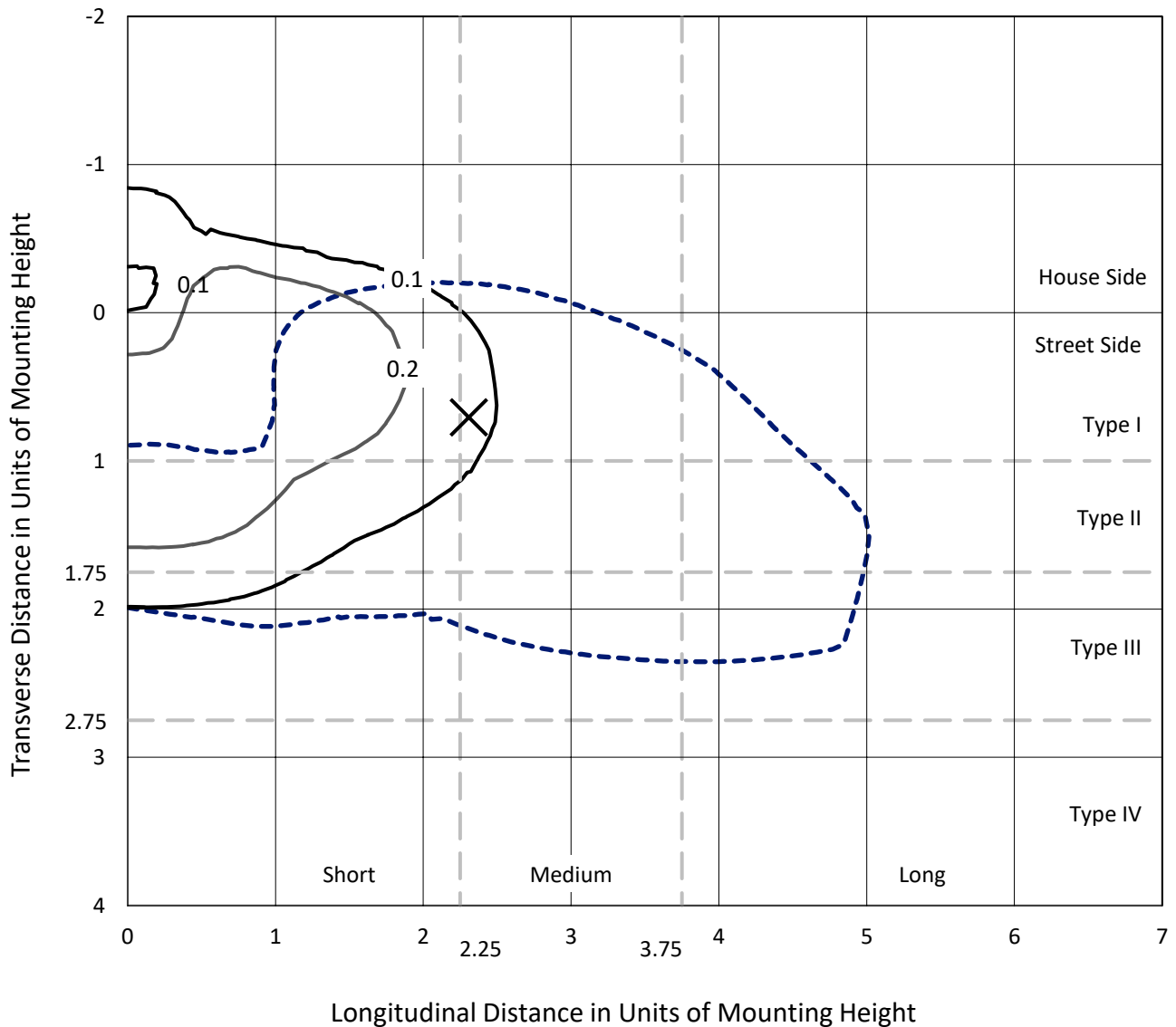
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

### Iso-Footcandle Lines of Horizontal Illumination

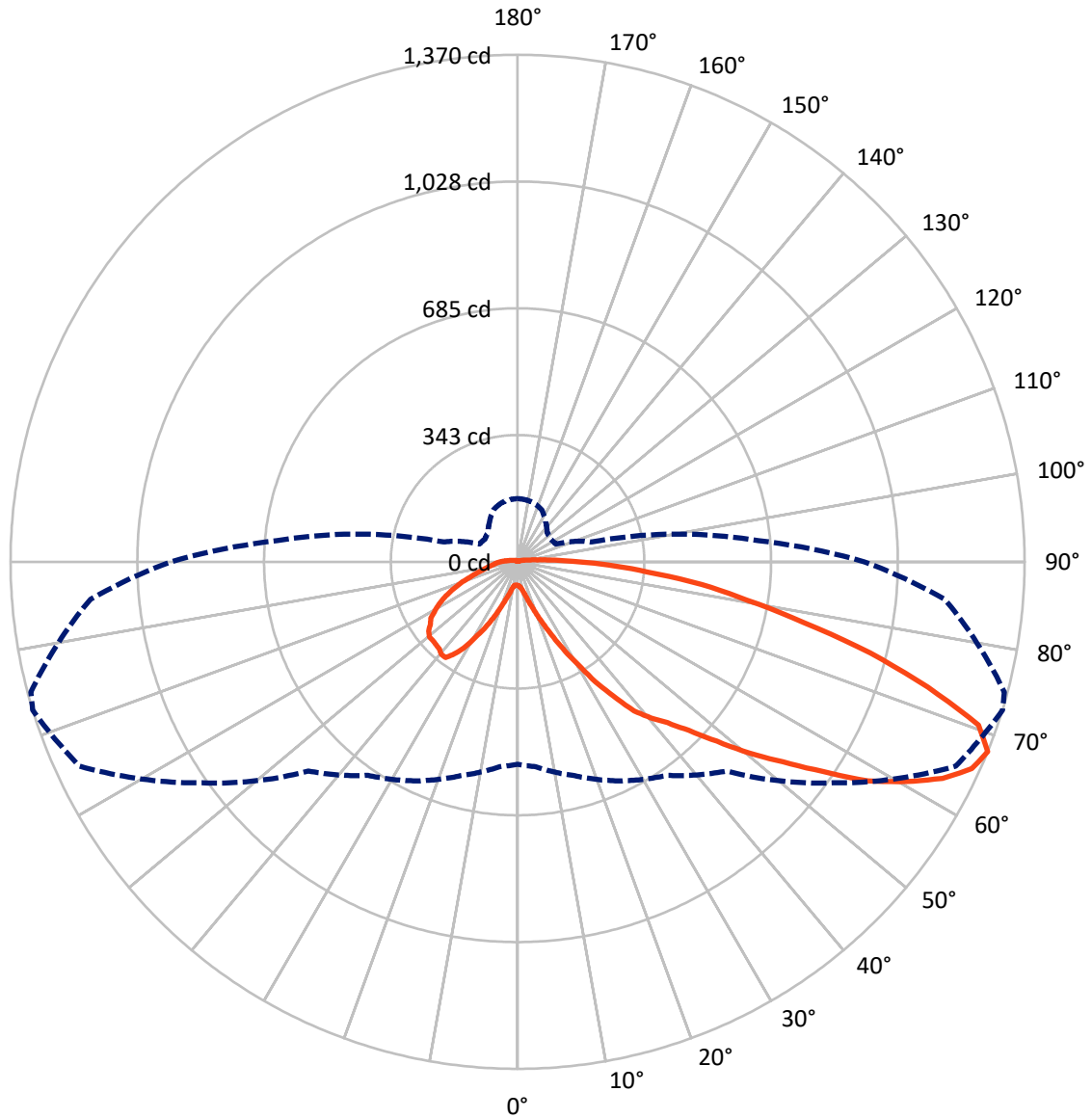
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P694511  
CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

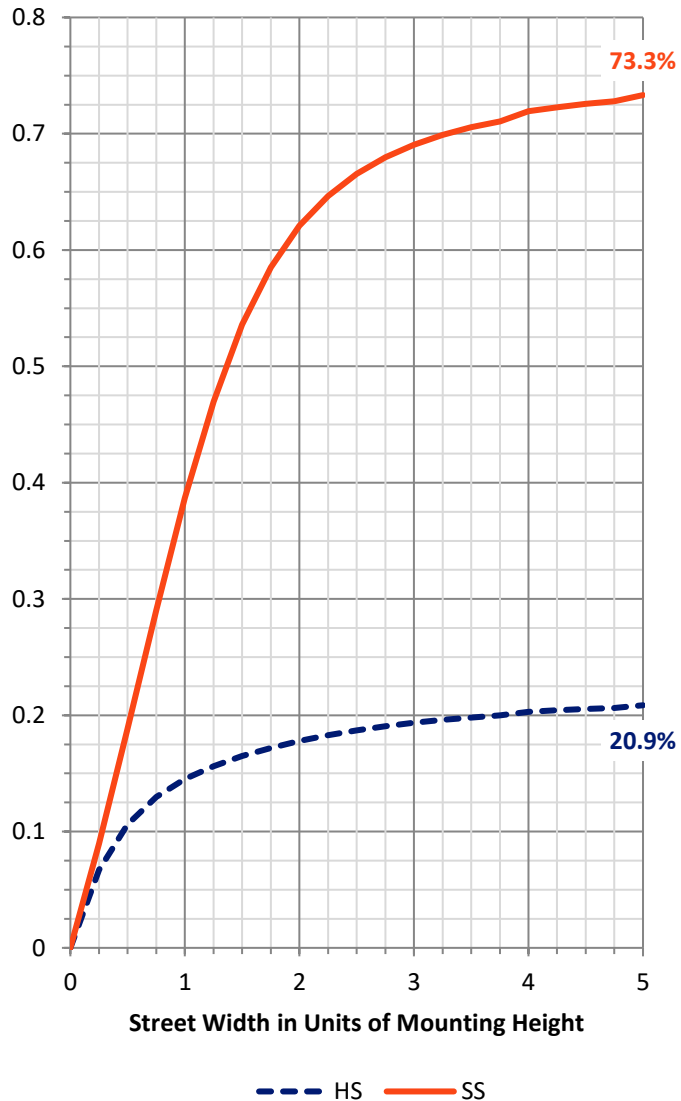
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	507.7	37.9	545.6
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	1735.5	38.8	1774.4
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	2243.2	76.8	2320.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.3
10°-20°	28.5	1.2
20°-30°	87.7	3.8
30°-40°	202.1	8.7
40°-50°	327.4	14.1
50°-60°	485.7	20.9
60°-70°	565.5	24.4
70°-80°	388.4	16.7
80°-90°	151.3	6.5
90°-100°	42.9	1.9
100°-110°	15.7	0.7
110°-120°	8.1	0.3
120°-130°	5.0	0.2
130°-140°	3.3	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2243.2	96.7
0°-180°	2320.0	100.0

**Coefficient of Utilization**

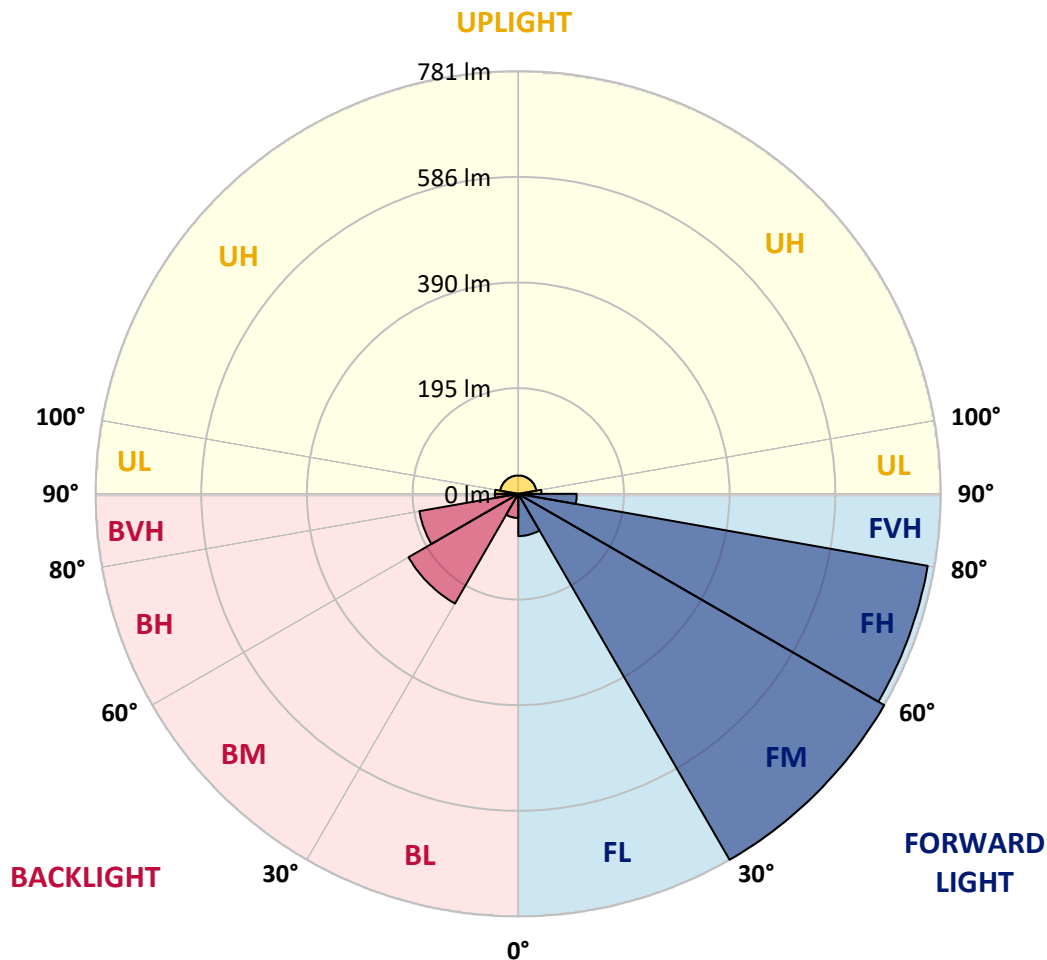


REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.1	3.4			
FM (30°-60°)	781.0	33.7			
FH (60°-80°)	768.4	33.1			G1/1800
FVH (80°-90°)	108.0	4.7			G2/225
BL (0°-30°)	44.7	1.9	B0/110		
BM (30°-60°)	234.2	10.1	B1/1000		
BH (60°-80°)	185.5	8.0	B1/500		G1/500
BVH (80°-90°)	43.4	1.9			G1/100
UL (90°-100°)	42.9	1.9		U2/50	
UH (100°-180°)	33.8	1.5		U2/50	

**BUG Rating: B1-U2-G2**  
 Type III Medium



REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2.5°	67.3	68.1	68.1	68.1	68.1	67.3	66.4	65.6	65.6	64.7	63.9
5°	75.7	75.7	74.8	74.8	74.0	73.1	71.5	69.8	68.1	68.1	66.4
7.5°	83.2	84.1	84.1	82.4	81.5	79.9	77.3	74.8	73.1	72.3	69.8
10°	95.0	95.8	95.0	93.3	91.6	89.1	85.7	83.2	80.7	79.0	76.5
12.5°	111.0	111.0	110.1	106.8	103.4	100.9	97.5	95.0	91.6	91.6	88.3
15°	130.3	131.1	128.6	126.1	121.1	116.9	112.7	111.0	109.3	109.3	105.1
17.5°	154.7	155.5	152.2	145.4	139.6	136.2	133.7	131.1	129.5	129.5	125.3
20°	190.8	185.8	184.9	170.7	163.9	158.9	157.2	155.5	156.4	154.7	152.2
22.5°	231.2	227.8	222.8	206.0	193.4	185.8	183.3	184.1	186.6	186.6	185.8
25°	279.1	279.9	267.3	246.3	227.0	216.1	215.2	223.6	226.1	227.8	227.0
27.5°	333.7	337.1	316.9	294.2	267.3	248.8	250.5	264.8	273.2	274.1	273.2
30°	404.4	406.0	380.8	345.5	307.7	286.7	291.7	311.9	321.1	324.5	326.2
32.5°	485.1	485.1	456.5	410.3	353.9	324.5	329.5	364.9	386.7	385.9	390.9
35°	562.4	556.5	532.2	473.3	405.2	364.9	377.5	417.8	444.7	449.8	447.2
37.5°	616.2	620.4	597.7	540.6	457.3	406.9	424.5	475.8	511.1	511.1	504.4
40°	651.5	656.6	635.6	586.8	508.6	453.1	472.5	527.9	554.8	556.5	532.2
42.5°	689.4	693.6	679.3	628.8	551.5	496.8	514.5	567.5	594.4	593.5	568.3
45°	731.4	737.3	730.6	679.3	594.4	538.0	553.2	614.5	649.8	655.7	622.9
47.5°	782.7	786.9	779.3	728.9	642.3	580.1	603.6	678.4	724.7	725.5	687.7
50°	811.3	819.7	831.4	791.9	696.9	627.1	663.3	759.1	812.9	823.0	772.6
52.5°	828.9	838.2	857.5	849.1	765.9	689.4	743.2	851.6	897.8	912.1	839.0
55°	858.3	868.4	889.4	877.7	819.7	760.8	818.0	945.8	999.6	1006.3	941.6
57.5°	817.1	827.2	884.4	907.1	856.7	823.0	897.8	1050.9	1117.3	1127.4	1037.4
60°	780.2	786.9	824.7	889.4	878.5	867.6	983.6	1151.7	1206.4	1209.7	1094.6
62.5°	711.2	726.3	770.1	823.0	852.4	883.6	1045.8	1231.6	1288.8	1294.6	1150.9
65°	615.4	626.3	675.1	750.7	786.0	857.5	1071.9	1296.3	1348.5	1345.1	1178.6
67.5°	547.3	555.7	598.6	653.2	704.5	799.5	1041.6	1306.4	1370.3	1361.9	1158.5
70°	429.6	439.7	488.4	574.2	614.5	708.7	970.1	1266.1	1321.5	1314.0	1066.8
72.5°	342.2	351.4	397.6	469.9	538.0	613.7	875.1	1137.4	1159.3	1140.0	898.7
75°	250.5	263.1	294.2	359.8	441.4	530.5	737.3	966.8	984.4	965.9	729.7
77.5°	173.2	174.0	201.8	264.0	334.6	447.2	612.0	802.8	791.1	771.7	558.2
80°	111.0	112.7	130.3	170.7	243.0	338.0	494.3	639.8	628.8	620.4	427.9
82.5°	71.5	68.9	84.1	111.8	164.8	245.5	384.2	512.8	501.0	480.9	323.7
85°	45.4	47.1	55.5	73.1	112.7	179.1	286.7	367.4	352.2	333.7	221.1
87.5°	34.5	35.3	40.4	52.1	76.5	126.1	195.9	255.6	245.5	227.8	148.8
90°	26.1	26.9	30.3	37.8	53.0	85.7	130.3	160.6	148.8	139.6	95.8
92.5°	18.5	19.3	22.7	28.6	39.5	59.7	84.1	94.2	87.4	84.1	62.2
95°	13.5	14.3	16.8	21.0	29.4	41.2	53.0	57.2	53.0	51.3	43.7
97.5°	10.9	11.8	12.6	16.0	22.7	30.3	36.1	37.0	36.1	34.5	32.8
100°	9.2	9.2	10.9	12.6	17.7	24.4	26.9	26.9	26.9	26.9	25.2
102.5°	7.6	7.6	9.2	10.9	14.3	19.3	21.0	21.0	20.2	21.0	20.2
105°	6.7	6.7	7.6	9.2	12.6	16.0	16.8	16.0	16.0	16.0	16.0
107.5°	5.9	5.9	6.7	8.4	10.9	13.5	14.3	13.5	12.6	12.6	13.5
110°	5.0	5.0	5.9	6.7	9.2	11.8	11.8	10.1	10.1	10.1	10.9

REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	5.0	5.0	5.9	6.7	8.4	10.1	9.2	8.4	8.4	8.4	9.2
115°	5.0	5.0	5.0	5.9	7.6	8.4	8.4	7.6	6.7	7.6	8.4
117.5°	5.0	5.0	5.0	5.9	6.7	7.6	7.6	6.7	5.9	6.7	7.6
120°	5.0	5.0	5.0	5.9	6.7	6.7	6.7	5.9	5.9	5.9	6.7
122.5°	4.2	4.2	5.0	5.0	5.9	5.9	5.9	5.0	5.0	5.0	6.7
125°	4.2	4.2	5.0	5.0	5.9	5.9	5.0	5.0	5.0	5.0	5.9
127.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.0	5.9
130°	5.0	5.0	5.0	5.0	5.0	5.0	4.2	4.2	5.0	5.0	5.9
132.5°	5.0	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2	5.0	5.0
135°	5.0	5.0	5.0	5.0	4.2	4.2	3.4	4.2	4.2	4.2	5.0
137.5°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2	4.2
140°	4.2	3.4	3.4	3.4	3.4	3.4	2.5	2.5	3.4	3.4	4.2
142.5°	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4	3.4
145°	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5
147.5°	2.5	1.7	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2.5°	63.9	63.1	63.1	62.2	61.4	61.4	60.5	60.5	60.5	60.5	59.7
5°	65.6	64.7	63.1	61.4	59.7	58.8	58.0	57.2	56.3	56.3	56.3
7.5°	68.1	67.3	64.7	62.2	59.7	57.2	55.5	54.6	53.8	53.0	53.0
10°	74.8	72.3	68.1	63.9	60.5	57.2	54.6	53.0	52.1	51.3	51.3
12.5°	84.1	83.2	76.5	69.8	63.9	58.8	55.5	54.6	53.8	53.8	53.0
15°	101.7	98.4	90.8	79.9	70.6	63.1	60.5	59.7	61.4	61.4	62.2
17.5°	121.1	116.9	106.8	93.3	80.7	72.3	68.9	69.8	71.5	73.1	73.1
20°	146.3	142.1	128.6	109.3	94.2	84.1	79.9	79.9	83.2	85.7	85.7
22.5°	180.7	173.2	153.8	127.8	107.6	95.8	90.0	89.1	93.3	95.8	95.8
25°	221.1	210.2	184.9	150.5	121.9	105.1	98.4	99.2	104.2	108.4	108.4
27.5°	263.1	251.4	216.1	171.5	135.3	111.8	105.9	109.3	116.0	120.2	121.1
30°	314.4	298.4	248.8	192.5	145.4	117.7	111.8	116.9	125.3	131.1	132.0
32.5°	372.4	352.2	290.0	213.5	153.0	121.1	115.2	125.3	135.3	143.8	143.8
35°	427.9	401.0	320.3	229.5	157.2	121.9	118.5	131.1	142.9	150.5	150.5
37.5°	477.5	443.0	345.5	237.9	157.2	121.9	119.4	133.7	144.6	149.6	148.8
40°	496.8	455.6	346.4	233.7	154.7	120.2	118.5	132.0	140.4	142.1	140.4
42.5°	526.3	475.8	340.5	219.4	146.3	117.7	116.0	126.1	131.1	131.1	129.5
45°	571.7	506.9	341.3	205.1	137.0	112.7	111.8	121.1	126.9	128.6	126.9
47.5°	627.1	545.6	342.2	192.5	128.6	108.4	109.3	120.2	126.1	124.4	123.6
50°	700.3	596.9	346.4	180.7	123.6	105.1	109.3	121.1	125.3	121.9	120.2
52.5°	754.1	627.1	338.8	169.8	120.2	104.2	111.0	122.7	125.3	120.2	120.2
55°	833.1	669.2	322.8	155.5	116.9	105.1	112.7	124.4	125.3	121.1	120.2
57.5°	902.9	707.0	313.6	142.9	113.5	106.8	115.2	126.9	128.6	126.1	125.3
60°	934.8	716.3	289.2	134.5	111.0	108.4	118.5	131.1	137.0	135.3	136.2
62.5°	973.5	717.9	265.7	126.9	110.1	110.1	122.7	139.6	147.1	147.1	148.0
65°	971.0	696.1	237.9	120.2	109.3	111.8	127.8	147.1	156.4	158.9	159.7
67.5°	937.4	653.2	207.6	113.5	107.6	112.7	132.0	154.7	165.6	169.8	170.7
70°	833.1	573.3	177.4	107.6	104.2	111.0	132.8	158.9	169.8	174.0	174.9
72.5°	683.5	454.8	144.6	99.2	98.4	105.9	129.5	156.4	164.8	166.5	168.1
75°	545.6	360.7	120.2	90.0	90.0	97.5	120.2	143.8	149.6	151.3	148.8
77.5°	408.6	273.2	100.0	81.5	81.5	89.1	108.4	126.9	132.0	131.1	132.0
80°	309.4	206.8	84.9	73.1	73.1	79.0	96.7	112.7	116.9	115.2	114.3
82.5°	232.0	154.7	74.0	65.6	65.6	70.6	84.1	97.5	100.9	100.9	98.4
85°	158.9	111.0	64.7	58.0	58.0	62.2	72.3	82.4	87.4	86.6	84.9
87.5°	111.0	84.1	57.2	52.1	51.3	54.6	62.2	71.5	77.3	78.2	76.5
90°	76.5	63.1	49.6	44.6	44.6	47.1	53.8	61.4	67.3	68.1	66.4
92.5°	53.8	47.9	41.2	37.8	37.0	40.4	44.6	49.6	53.0	53.0	53.8
95°	39.5	37.0	32.8	29.4	29.4	32.8	35.3	36.1	38.7	38.7	37.8
97.5°	30.3	29.4	26.9	23.5	22.7	26.1	26.9	27.7	29.4	28.6	27.7
100°	25.2	24.4	21.9	19.3	18.5	21.0	21.9	22.7	24.4	22.7	22.7
102.5°	20.2	20.2	18.5	16.0	16.0	17.7	18.5	19.3	20.2	19.3	18.5
105°	16.8	16.8	16.0	14.3	13.5	15.1	16.0	16.0	16.8	16.0	16.0
107.5°	13.5	14.3	13.5	11.8	11.8	12.6	13.5	13.5	13.5	13.5	13.5
110°	11.8	11.8	11.8	10.1	10.9	11.8	11.8	11.8	11.8	11.8	11.8

REPORT NUMBER: P694511  
 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	10.1	10.1	9.2	9.2	10.1	10.1	10.1	10.1	10.1	10.1
115°	9.2	9.2	9.2	8.4	8.4	9.2	8.4	8.4	8.4	9.2	9.2
117.5°	8.4	8.4	8.4	7.6	7.6	7.6	7.6	7.6	7.6	8.4	8.4
120°	7.6	7.6	7.6	6.7	6.7	6.7	6.7	6.7	6.7	7.6	7.6
122.5°	6.7	6.7	6.7	6.7	5.9	6.7	5.9	5.9	5.9	6.7	6.7
125°	5.9	6.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.7
127.5°	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.0	5.9	5.9
130°	5.9	5.9	5.9	5.0	5.0	5.0	4.2	4.2	5.0	5.0	5.9
132.5°	5.9	5.9	5.0	5.0	4.2	4.2	4.2	4.2	5.0	5.0	5.0
135°	5.0	5.0	5.0	4.2	4.2	4.2	3.4	4.2	4.2	5.0	5.0
137.5°	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2	4.2	4.2
140°	4.2	4.2	3.4	3.4	3.4	2.5	2.5	3.4	3.4	4.2	4.2
142.5°	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4	3.4	3.4
145°	2.5	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5	3.4	3.4
147.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)