

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: P694783

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2939 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

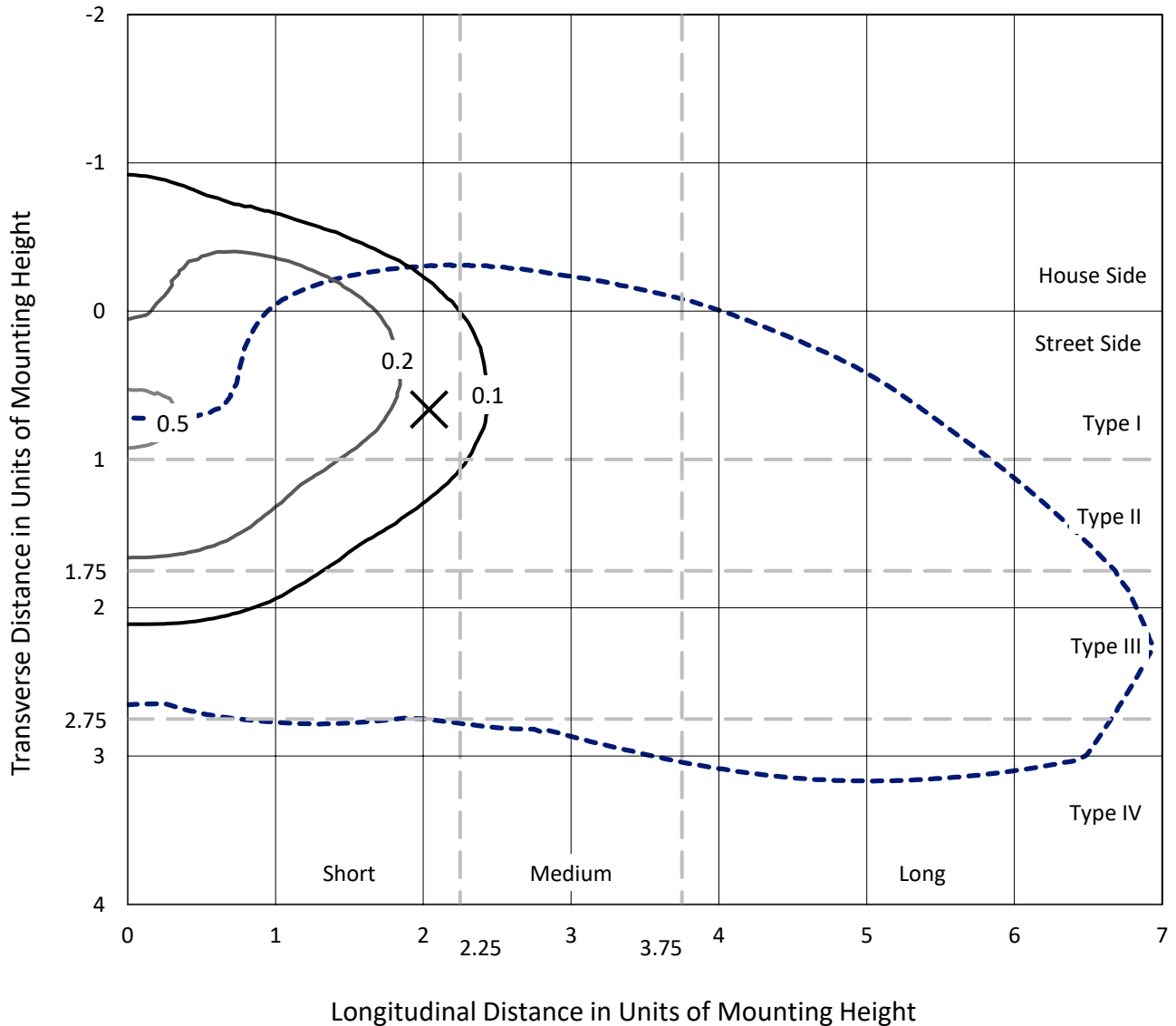
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

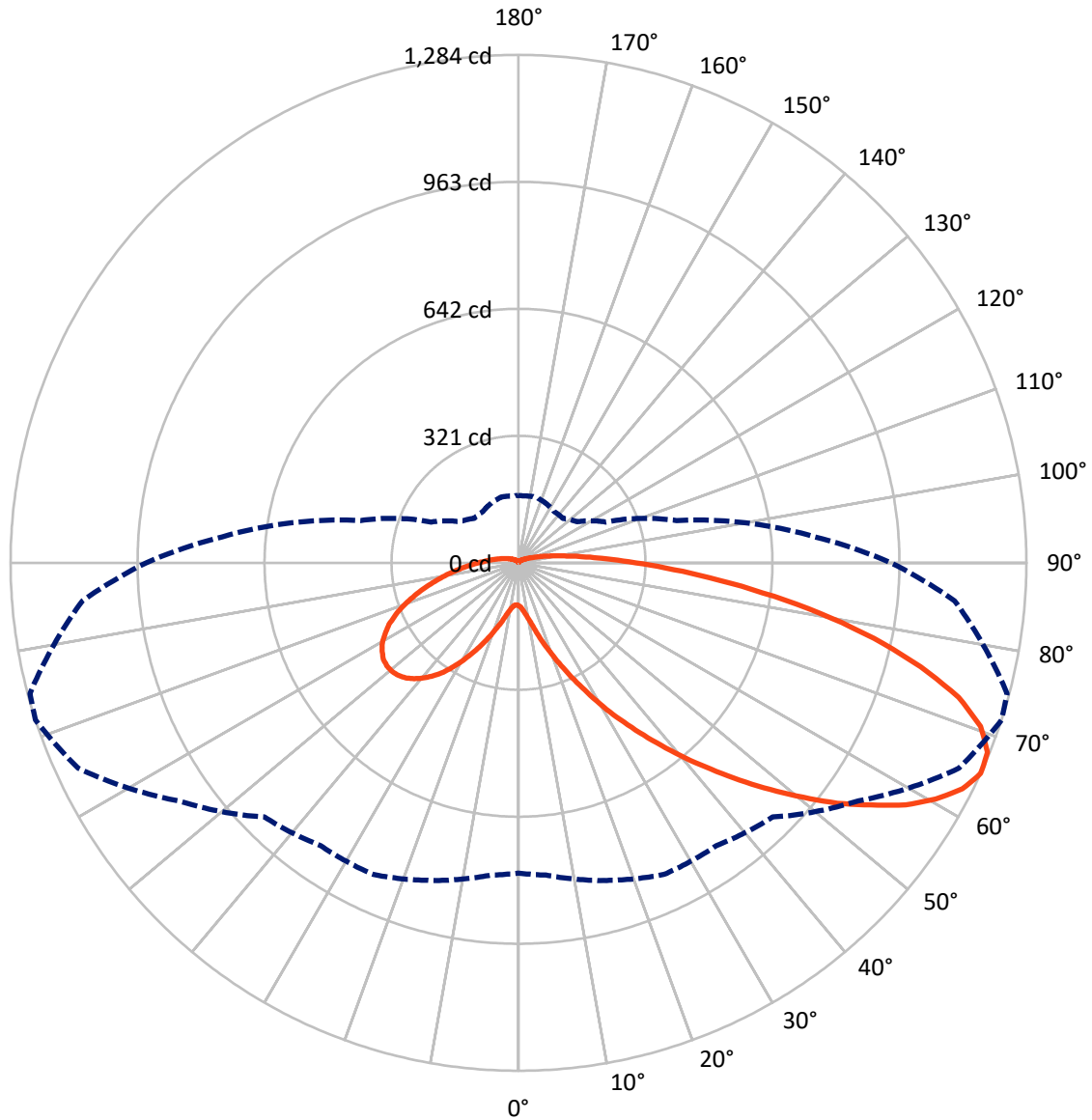
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694783
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

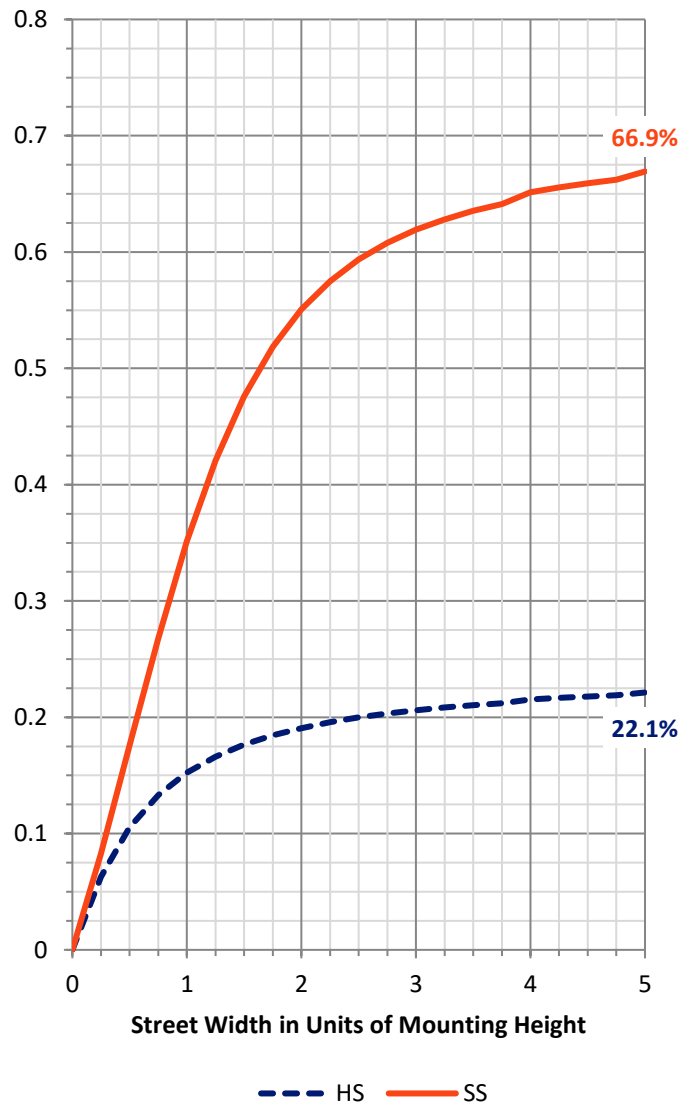
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.8	86.9	773.7
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2042.4	122.9	2165.3
	% Fixture	69.5	4.2	73.7
Total	Lumens	2729.2	209.8	2939.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.4
10°-20°	47.8	1.6
20°-30°	123.1	4.2
30°-40°	244.9	8.3
40°-50°	398.6	13.6
50°-60°	551.9	18.8
60°-70°	616.5	21.0
70°-80°	482.7	16.4
80°-90°	252.4	8.6
90°-100°	109.8	3.7
100°-110°	50.6	1.7
110°-120°	25.8	0.9
120°-130°	13.8	0.5
130°-140°	6.9	0.2
140°-150°	2.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2729.2	92.9
0°-180°	2939.0	100.0

Coefficient of Utilization



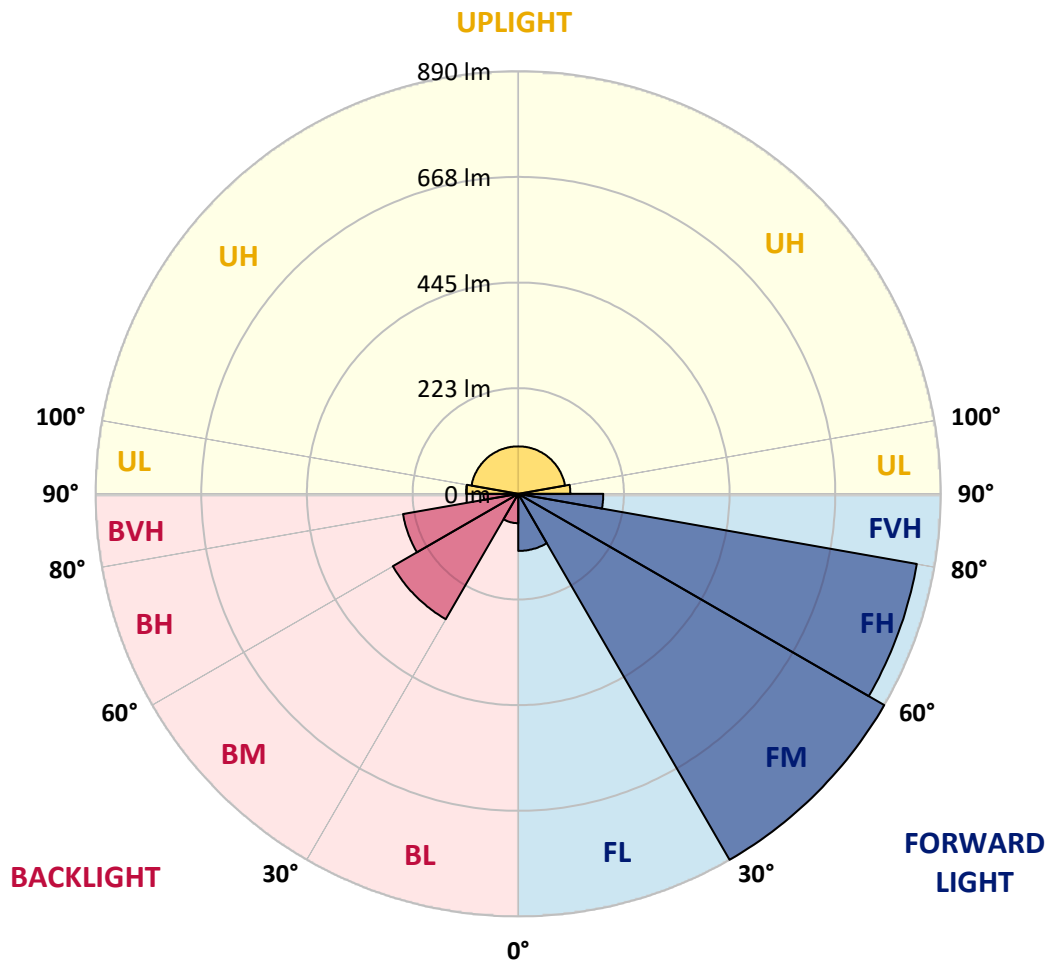
REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.3	4.1			
FM (30°-60°)	890.3	30.3			
FH (60°-80°)	852.6	29.0			G1/1800
FVH (80°-90°)	179.1	6.1			G2/225
BL (0°-30°)	61.9	2.1	B0/110		
BM (30°-60°)	305.1	10.4	B1/1000		
BH (60°-80°)	246.5	8.4	B1/500		G1/500
BVH (80°-90°)	73.3	2.5			G1/100
UL (90°-100°)	109.8	3.7		U3/500	
UH (100°-180°)	100.0	3.4		U3/500	

BUG Rating: B1-U3-G2

Type III Short



REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
2.5°	117.5	118.6	118.6	117.5	117.5	116.4	115.4	113.2	112.1	112.1	109.9
5°	132.8	133.9	132.8	131.7	130.6	127.3	126.2	123.0	120.8	119.7	115.4
7.5°	152.4	152.4	151.3	149.1	146.9	144.7	139.3	134.9	131.7	129.5	124.1
10°	173.0	173.0	171.9	170.9	167.6	162.2	156.7	151.3	145.8	144.7	137.1
12.5°	201.3	199.2	197.0	193.7	190.4	185.0	177.4	170.9	165.4	164.3	155.6
15°	229.6	230.7	226.4	220.9	216.6	210.0	203.5	198.1	191.5	189.4	177.4
17.5°	262.3	263.4	260.1	255.7	248.1	241.6	232.9	225.3	220.9	216.6	202.4
20°	302.5	302.5	299.3	290.6	282.9	275.3	267.7	259.0	251.4	248.1	232.9
22.5°	345.0	343.9	339.5	328.7	318.9	309.1	302.5	293.8	288.4	284.0	266.6
25°	396.1	392.9	386.3	373.3	360.2	348.2	338.4	335.2	327.6	323.2	306.9
27.5°	446.2	448.4	437.5	420.1	401.6	389.6	380.9	376.5	371.1	368.9	348.2
30°	508.2	503.9	491.9	470.1	444.0	427.7	423.3	422.2	422.2	417.9	396.1
32.5°	565.9	561.5	548.5	522.4	490.8	470.1	466.9	470.1	472.3	471.2	444.0
35°	624.7	620.3	605.1	576.8	534.3	510.4	510.4	523.5	526.7	524.5	497.3
37.5°	680.2	678.0	662.8	624.7	584.4	555.0	559.4	580.0	585.5	584.4	549.6
40°	733.5	733.5	718.3	676.9	627.9	598.5	606.2	637.7	648.6	647.5	609.4
42.5°	787.9	785.7	771.6	731.3	674.7	642.1	656.2	695.4	712.8	715.0	669.3
45°	834.7	832.5	821.6	777.0	720.4	686.7	707.4	760.7	783.5	782.5	728.0
47.5°	875.0	873.9	866.3	824.9	765.0	733.5	762.9	828.2	856.5	856.5	794.4
50°	907.6	908.7	903.3	869.5	806.4	778.1	818.4	896.7	931.6	931.6	857.6
52.5°	928.3	930.5	932.6	901.1	845.6	819.5	871.7	968.6	1009.9	1008.8	921.8
55°	934.8	937.0	947.9	928.3	877.1	857.6	925.0	1038.2	1080.6	1077.4	980.5
57.5°	923.9	928.3	946.8	940.3	898.9	888.0	969.6	1098.1	1154.6	1151.4	1034.9
60°	896.7	902.2	928.3	935.9	907.6	908.7	1011.0	1157.9	1212.3	1210.1	1077.4
62.5°	848.8	857.6	891.3	912.0	900.0	917.4	1038.2	1203.6	1259.1	1255.9	1102.4
65°	784.6	792.3	831.4	869.5	872.8	908.7	1049.1	1228.6	1284.1	1278.7	1106.8
67.5°	708.5	705.2	755.3	804.2	823.8	877.1	1034.9	1225.4	1278.7	1268.9	1079.6
70°	614.9	614.9	666.0	715.0	756.3	828.2	995.8	1190.6	1239.5	1225.4	1027.3
72.5°	505.0	516.9	561.5	619.2	670.4	757.4	934.8	1122.0	1163.4	1147.0	939.2
75°	413.5	423.3	462.5	520.2	579.0	675.8	844.5	1023.0	1050.2	1033.8	831.4
77.5°	331.9	336.3	378.7	427.7	488.6	576.8	736.8	898.9	918.5	901.1	709.5
80°	255.7	266.6	296.0	342.8	401.6	487.5	624.7	754.2	772.7	753.1	580.0
82.5°	201.3	204.6	231.8	276.4	326.5	399.4	513.7	612.7	621.4	598.5	468.0
85°	155.6	157.8	180.7	218.7	262.3	321.0	410.3	482.1	484.3	471.2	365.7
87.5°	118.6	123.0	143.7	174.1	211.1	262.3	323.2	373.3	370.0	360.2	285.1
90°	93.6	95.8	111.0	138.2	168.7	206.8	252.5	285.1	278.6	274.2	215.5
92.5°	74.0	75.1	91.4	112.1	137.1	167.6	198.1	219.8	211.1	207.9	164.3
95°	58.8	60.9	72.9	91.4	112.1	134.9	155.6	166.5	161.1	155.6	127.3
97.5°	47.9	49.0	59.9	75.1	92.5	109.9	124.1	128.4	123.0	120.8	99.0
100°	40.3	40.3	50.1	63.1	76.2	90.3	99.0	101.2	96.9	91.4	76.2
102.5°	33.7	33.7	41.4	53.3	65.3	75.1	80.5	80.5	75.1	71.8	60.9
105°	28.3	29.4	34.8	45.7	55.5	63.1	67.5	64.2	59.9	57.7	49.0
107.5°	25.0	25.0	30.5	39.2	47.9	53.3	55.5	52.2	47.9	44.6	39.2
110°	22.9	22.9	26.1	33.7	41.4	46.8	46.8	43.5	38.1	35.9	32.6

REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	19.6	20.7	22.9	29.4	35.9	40.3	40.3	35.9	31.6	29.4	27.2
115°	18.5	18.5	20.7	26.1	31.6	34.8	34.8	30.5	26.1	25.0	22.9
117.5°	16.3	16.3	18.5	22.9	27.2	30.5	29.4	26.1	21.8	20.7	19.6
120°	15.2	15.2	16.3	19.6	23.9	26.1	25.0	21.8	18.5	17.4	17.4
122.5°	14.1	14.1	15.2	17.4	21.8	22.9	21.8	18.5	16.3	15.2	16.3
125°	13.1	13.1	14.1	16.3	18.5	19.6	18.5	15.2	14.1	14.1	14.1
127.5°	13.1	13.1	13.1	14.1	16.3	17.4	16.3	13.1	12.0	12.0	13.1
130°	12.0	12.0	12.0	13.1	14.1	15.2	13.1	10.9	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	10.9	12.0	12.0	10.9	9.8	9.8	9.8	9.8
135°	9.8	9.8	9.8	9.8	9.8	9.8	8.7	7.6	8.7	8.7	8.7
137.5°	8.7	8.7	8.7	8.7	8.7	7.6	7.6	6.5	7.6	7.6	7.6
140°	7.6	7.6	7.6	7.6	6.5	6.5	5.4	5.4	5.4	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	5.4	4.4	4.4	4.4	5.4	5.4	5.4
145°	5.4	5.4	5.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4	4.4
147.5°	4.4	4.4	4.4	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3
150°	3.3	3.3	3.3	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
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: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
2.5°	108.8	108.8	106.6	105.6	104.5	103.4	102.3	101.2	101.2	101.2	101.2
5°	114.3	111.0	107.7	104.5	101.2	99.0	95.8	94.7	93.6	92.5	92.5
7.5°	120.8	118.6	112.1	106.6	101.2	96.9	93.6	90.3	88.1	87.1	87.1
10°	132.8	128.4	120.8	112.1	104.5	97.9	92.5	88.1	86.0	84.9	84.9
12.5°	150.2	143.7	132.8	120.8	109.9	101.2	94.7	89.2	86.0	86.0	84.9
15°	170.9	163.2	149.1	133.9	118.6	106.6	99.0	94.7	91.4	90.3	90.3
17.5°	194.8	187.2	168.7	148.0	131.7	116.4	106.6	101.2	97.9	95.8	95.8
20°	224.2	213.3	189.4	165.4	143.7	129.5	115.4	108.8	104.5	102.3	101.2
22.5°	255.7	243.8	214.4	183.9	158.9	140.4	125.2	115.4	109.9	108.8	107.7
25°	293.8	276.4	240.5	203.5	174.1	151.3	133.9	121.9	117.5	115.4	115.4
27.5°	334.1	313.4	268.8	224.2	188.3	160.0	140.4	128.4	124.1	123.0	121.9
30°	376.5	352.6	298.2	247.0	201.3	168.7	148.0	136.0	130.6	129.5	129.5
32.5°	423.3	395.0	327.6	264.4	211.1	174.1	152.4	141.5	136.0	136.0	136.0
35°	469.0	436.4	358.0	282.9	219.8	178.5	156.7	146.9	141.5	142.6	142.6
37.5°	518.0	482.1	384.2	296.0	226.4	181.7	158.9	151.3	148.0	148.0	148.0
40°	571.3	520.2	408.1	305.8	228.5	182.8	161.1	154.5	152.4	152.4	153.4
42.5°	622.5	564.8	428.8	313.4	229.6	182.8	162.2	157.8	156.7	156.7	156.7
45°	673.6	604.0	447.3	315.6	228.5	181.7	163.2	160.0	160.0	160.0	160.0
47.5°	729.1	643.2	460.3	314.5	225.3	179.6	163.2	161.1	163.2	162.2	162.2
50°	778.1	680.2	469.0	311.2	220.9	177.4	162.2	163.2	165.4	164.3	164.3
52.5°	829.3	712.8	473.4	303.6	214.4	174.1	162.2	164.3	166.5	165.4	165.4
55°	875.0	741.1	473.4	294.9	208.9	171.9	162.2	165.4	168.7	167.6	167.6
57.5°	912.0	760.7	465.8	282.9	201.3	168.7	161.1	165.4	169.8	168.7	168.7
60°	940.3	771.6	454.9	271.0	194.8	165.4	160.0	165.4	170.9	168.7	169.8
62.5°	952.2	770.5	435.3	256.8	188.3	162.2	158.9	165.4	170.9	169.8	169.8
65°	941.3	752.0	413.5	243.8	180.7	158.9	157.8	165.4	171.9	169.8	169.8
67.5°	909.8	716.1	385.2	227.4	173.0	155.6	155.6	164.3	170.9	168.7	168.7
70°	852.1	663.8	352.6	213.3	165.4	151.3	152.4	161.1	167.6	167.6	166.5
72.5°	774.8	596.4	316.7	197.0	157.8	145.8	148.0	157.8	163.2	163.2	162.2
75°	684.5	518.0	280.8	181.7	149.1	140.4	142.6	151.3	157.8	156.7	155.6
77.5°	576.8	438.6	245.9	165.4	139.3	132.8	136.0	144.7	150.2	148.0	146.9
80°	477.7	368.9	214.4	149.1	129.5	125.2	128.4	134.9	139.3	138.2	137.1
82.5°	382.0	298.2	181.7	133.9	119.7	116.4	119.7	125.2	128.4	127.3	125.2
85°	297.1	241.6	155.6	118.6	108.8	106.6	109.9	114.3	116.4	114.3	113.2
87.5°	234.0	189.4	129.5	104.5	97.9	96.9	99.0	103.4	105.6	103.4	100.1
90°	182.8	152.4	109.9	92.5	88.1	88.1	89.2	92.5	92.5	90.3	89.2
92.5°	142.6	121.9	92.5	80.5	78.4	78.4	80.5	81.6	81.6	78.4	77.3
95°	112.1	97.9	78.4	70.7	69.6	69.6	71.8	71.8	70.7	67.5	66.4
97.5°	88.1	79.4	67.5	62.0	60.9	62.0	63.1	63.1	60.9	57.7	56.6
100°	70.7	65.3	56.6	54.4	54.4	55.5	55.5	54.4	52.2	49.0	49.0
102.5°	57.7	53.3	49.0	47.9	47.9	49.0	49.0	47.9	45.7	41.4	41.4
105°	46.8	43.5	41.4	41.4	42.4	42.4	42.4	41.4	38.1	34.8	34.8
107.5°	38.1	37.0	35.9	35.9	37.0	38.1	38.1	35.9	32.6	30.5	30.5
110°	31.6	31.6	31.6	31.6	32.6	33.7	33.7	31.6	28.3	26.1	26.1

REPORT NUMBER: P694783
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.2	26.1	27.2	28.3	29.4	30.5	29.4	27.2	23.9	22.9	22.9
115°	22.9	22.9	23.9	25.0	26.1	26.1	26.1	23.9	20.7	19.6	19.6
117.5°	20.7	20.7	20.7	21.8	22.9	23.9	22.9	20.7	17.4	17.4	17.4
120°	17.4	17.4	18.5	19.6	20.7	20.7	19.6	17.4	15.2	15.2	15.2
122.5°	16.3	16.3	16.3	17.4	18.5	18.5	17.4	15.2	13.1	14.1	14.1
125°	14.1	14.1	14.1	15.2	16.3	16.3	15.2	13.1	12.0	12.0	12.0
127.5°	13.1	13.1	13.1	13.1	14.1	14.1	13.1	12.0	10.9	10.9	10.9
130°	12.0	12.0	12.0	12.0	12.0	12.0	10.9	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	9.8	10.9	10.9	9.8	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	8.7	8.7	7.6	7.6	7.6	7.6	7.6
137.5°	7.6	7.6	7.6	7.6	7.6	7.6	6.5	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4	6.5	6.5
142.5°	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
145°	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4	4.4	4.4
147.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	4.4	4.4
150°	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3
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)