

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: P694948

Luminaire Tested: **LXF.LXT-PA16-30-827-U-SL3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-827-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 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: 2520 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

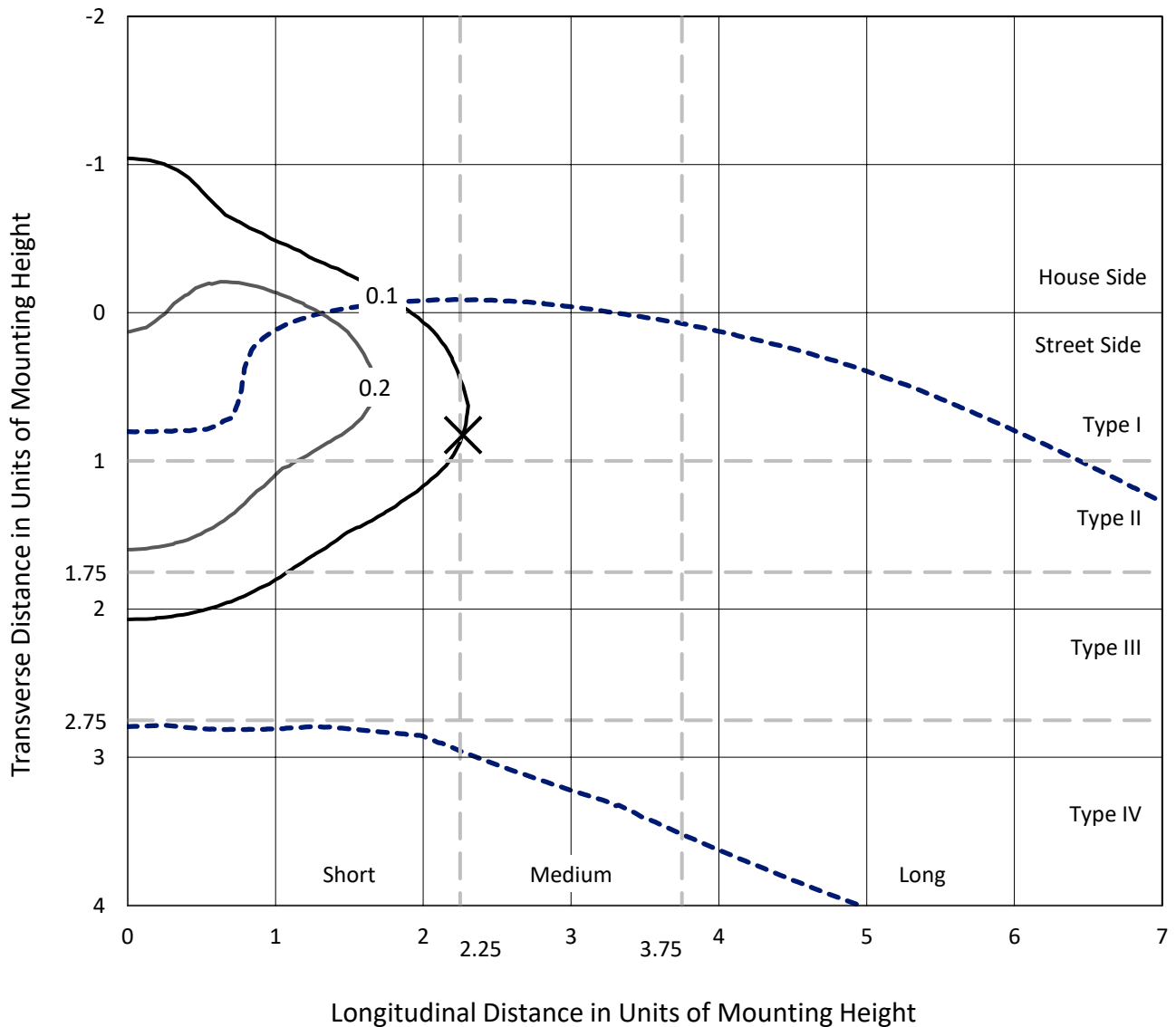
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694948  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

### Iso-Footcandle Lines of Horizontal Illumination

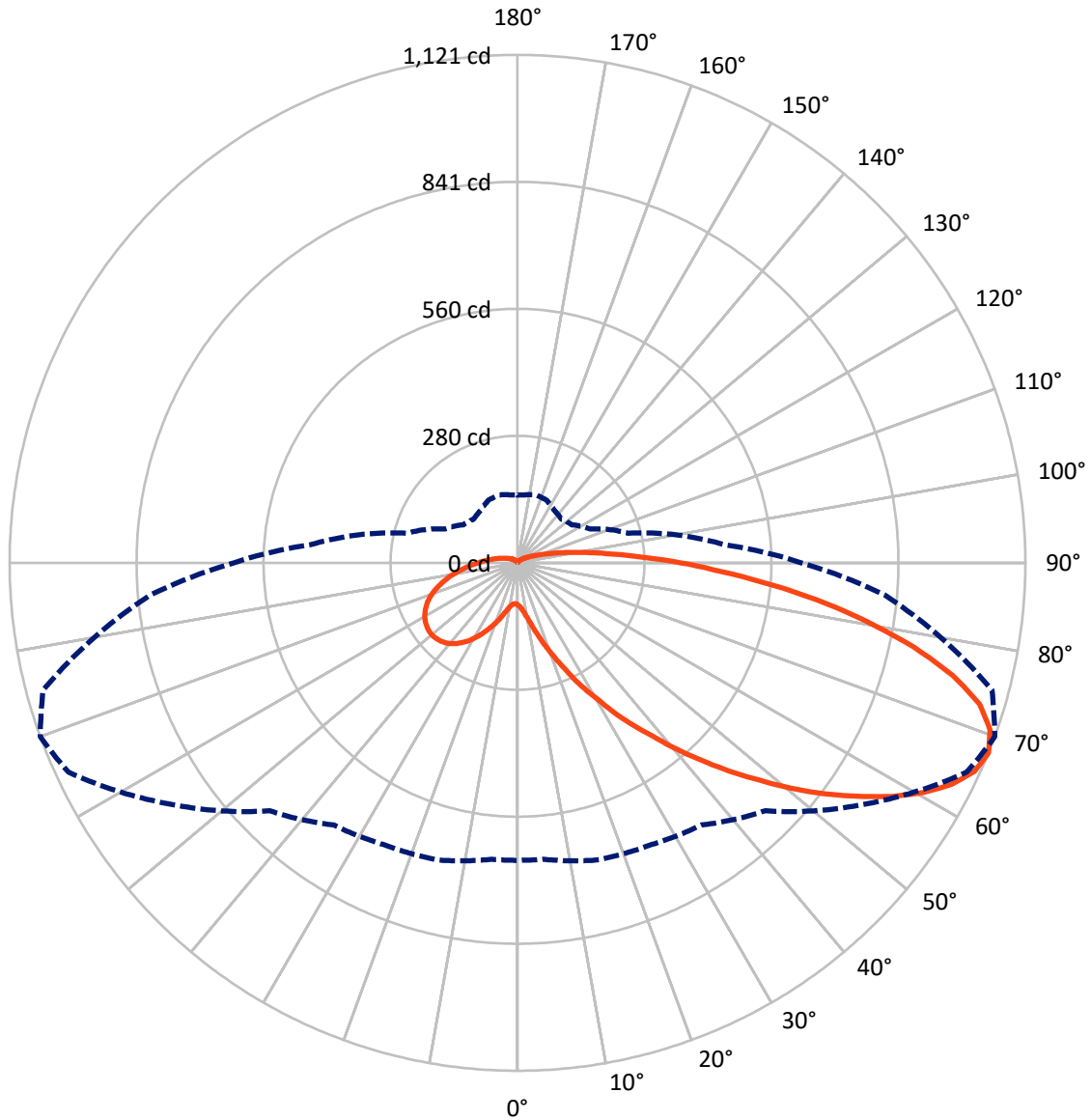
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P694948  
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694948  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

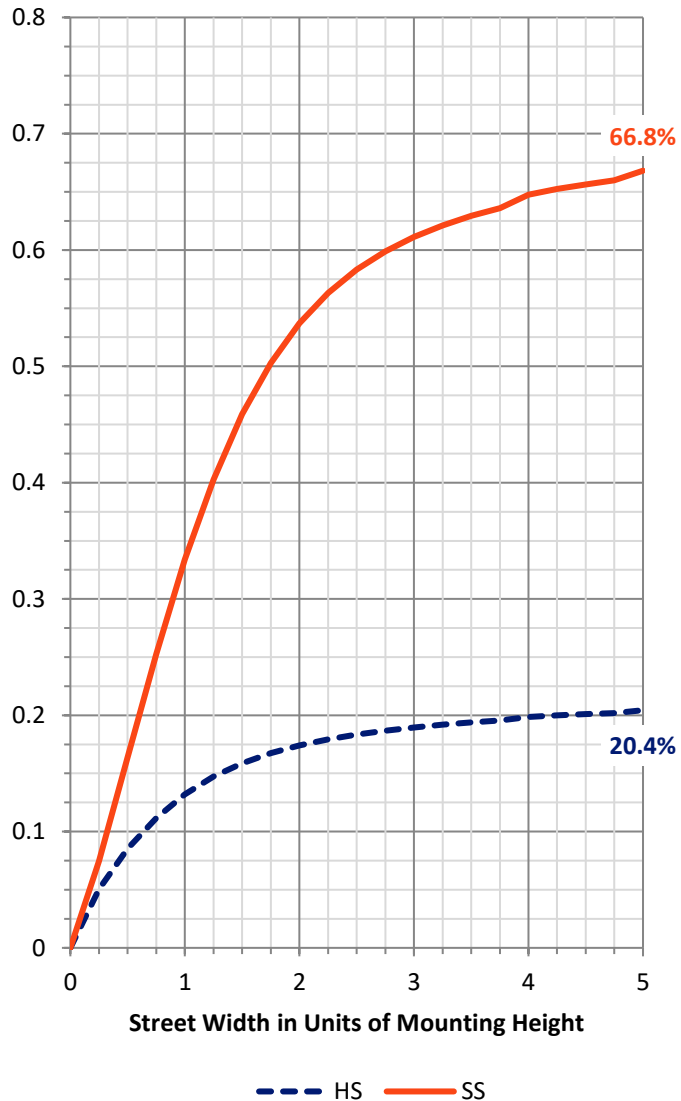
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	543.3	74.0	617.2
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	1764.3	138.5	1902.8
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	2307.6	212.5	2520.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	0.4
10°-20°	39.9	1.6
20°-30°	100.5	4.0
30°-40°	196.9	7.8
40°-50°	320.6	12.7
50°-60°	449.2	17.8
60°-70°	515.3	20.4
70°-80°	428.9	17.0
80°-90°	246.6	9.8
90°-100°	113.1	4.5
100°-110°	51.8	2.1
110°-120°	25.5	1.0
120°-130°	13.2	0.5
130°-140°	6.4	0.3
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2307.6	91.6
0°-180°	2520.0	100.0

**Coefficient of Utilization**

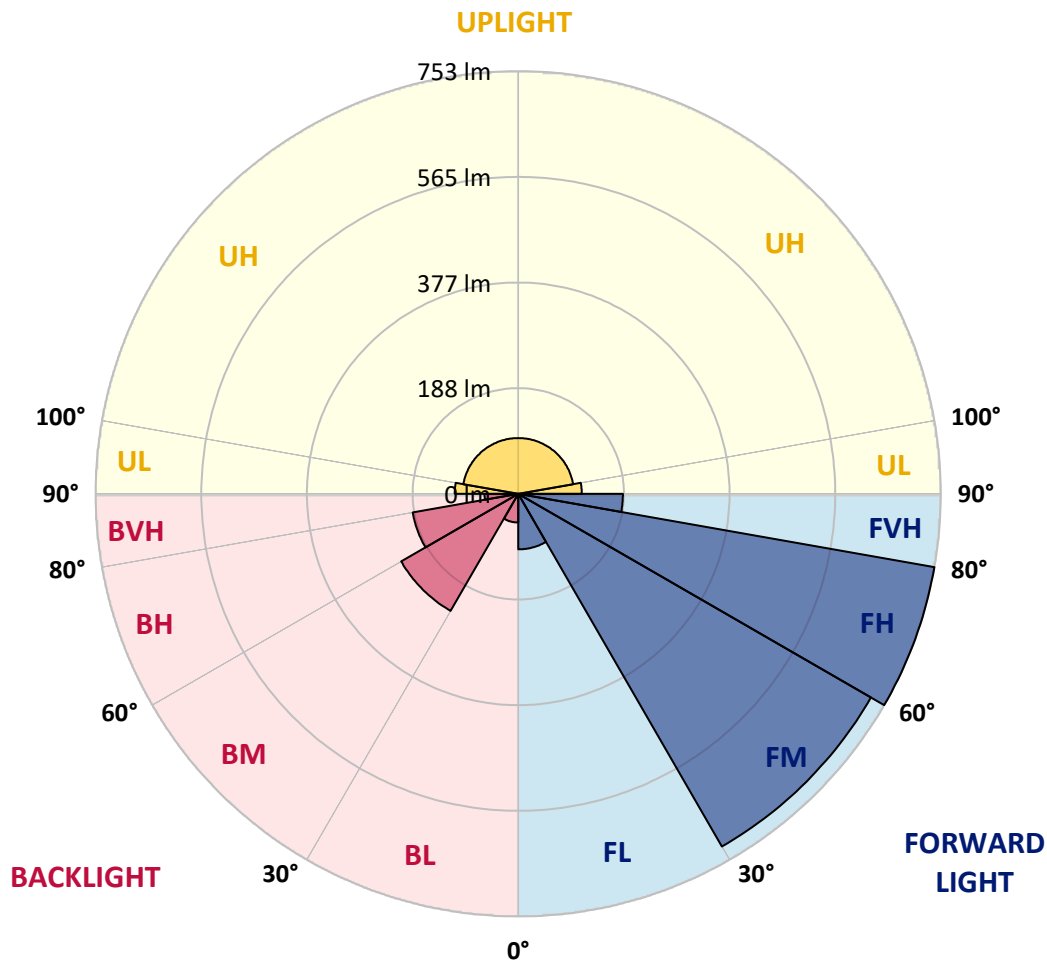


REPORT NUMBER: P694948  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.0	3.9			
FM (30°-60°)	725.8	28.8			
FH (60°-80°)	753.1	29.9			G1/1800
FVH (80°-90°)	186.5	7.4			G2/225
BL (0°-30°)	51.1	2.0	B0/110		
BM (30°-60°)	240.9	9.6	B1/1000		
BH (60°-80°)	191.0	7.6	B1/500		G1/500
BVH (80°-90°)	60.2	2.4			G1/100
UL (90°-100°)	113.1	4.5		U3/500	
UH (100°-180°)	99.3	3.9		U3/500	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



REPORT NUMBER: P694948  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	101.5	101.5	101.5	100.5	100.5	98.5	98.5	96.6	96.6	95.6	93.6
5°	114.1	114.1	113.2	113.2	111.2	109.3	107.3	104.4	102.4	101.5	98.5
7.5°	128.8	128.8	127.8	125.8	124.9	121.9	118.0	114.1	112.2	110.2	105.4
10°	146.3	146.3	144.4	143.4	141.4	137.5	133.6	127.8	124.9	121.9	115.1
12.5°	166.8	164.9	164.9	161.9	159.0	156.1	151.2	144.4	141.4	137.5	128.8
15°	188.3	188.3	188.3	185.3	181.4	176.6	172.7	165.8	163.9	158.0	148.3
17.5°	213.6	215.6	212.7	208.8	206.8	201.9	197.1	192.2	187.3	181.4	168.8
20°	244.9	243.9	240.9	237.0	234.1	229.2	226.3	217.5	213.6	207.8	189.2
22.5°	275.1	276.1	273.1	267.3	263.4	260.5	255.6	248.8	242.9	236.1	215.6
25°	315.1	314.1	307.3	298.5	294.6	290.7	287.8	280.9	277.0	271.2	244.9
27.5°	355.1	351.2	346.3	338.5	328.7	321.9	320.0	317.0	314.1	304.4	275.1
30°	397.0	393.1	387.3	374.6	360.9	353.1	353.1	357.0	350.2	342.4	309.2
32.5°	441.9	437.0	429.2	413.6	395.1	386.3	390.2	397.0	396.1	384.3	343.4
35°	486.8	485.8	474.1	454.6	431.2	420.4	426.3	440.0	440.0	431.2	380.4
37.5°	530.7	531.6	520.9	496.5	466.3	454.6	463.4	485.8	485.8	479.0	416.5
40°	586.3	584.3	564.8	536.5	503.4	488.7	506.3	535.5	540.4	527.7	456.5
42.5°	634.1	630.2	614.6	579.4	539.5	521.9	546.3	586.3	596.0	581.4	497.5
45°	682.8	678.0	659.4	620.4	575.5	555.1	589.2	642.9	655.5	641.9	540.4
47.5°	728.7	723.8	707.2	660.4	613.6	595.1	633.1	700.4	716.0	704.3	582.4
50°	770.6	769.7	749.2	700.4	646.8	629.2	678.9	760.9	781.4	763.8	625.3
52.5°	806.7	802.8	783.3	736.5	679.9	666.3	725.8	824.3	846.7	829.2	668.2
55°	829.2	827.2	809.7	763.8	710.2	700.4	772.6	881.9	909.2	893.6	708.2
57.5°	839.9	837.0	822.3	781.4	732.6	731.6	815.5	941.4	972.6	952.1	749.2
60°	829.2	827.2	817.5	786.3	747.2	756.0	860.4	996.0	1029.2	1006.7	781.4
62.5°	793.1	793.1	792.1	773.6	750.2	776.5	895.5	1042.8	1076.0	1048.7	804.8
65°	736.5	739.4	745.3	741.4	737.5	783.3	918.9	1077.9	1108.2	1076.0	817.5
67.5°	656.5	656.5	678.9	687.7	706.3	773.6	929.7	1093.5	1120.8	1083.8	812.6
70°	567.7	567.7	593.1	618.5	659.4	748.2	917.9	1084.8	1106.2	1065.2	791.1
72.5°	475.1	476.0	506.3	541.4	598.0	704.3	886.7	1046.7	1066.2	1017.4	748.2
75°	384.3	392.2	417.5	463.4	528.7	645.8	828.2	980.4	992.1	945.3	687.7
77.5°	304.4	314.1	344.4	389.2	457.5	571.6	749.2	891.6	893.6	848.7	614.6
80°	240.9	247.8	279.0	320.9	387.3	496.5	655.5	781.4	779.4	735.5	526.8
82.5°	190.2	195.1	219.5	260.5	323.9	425.3	562.9	655.5	662.4	619.4	441.9
85°	146.3	152.2	174.6	210.7	267.3	354.1	465.3	537.5	540.4	502.4	363.9
87.5°	112.2	118.0	138.5	172.7	220.5	290.7	379.5	436.0	431.2	400.9	287.8
90°	86.8	89.7	110.2	138.5	180.5	240.0	305.3	342.4	342.4	313.1	230.2
92.5°	69.3	70.2	88.8	114.1	149.3	195.1	245.8	269.2	262.4	245.8	181.4
95°	54.6	56.6	71.2	93.6	122.9	160.0	194.1	210.7	204.9	189.2	142.4
97.5°	43.9	45.8	58.5	78.0	102.4	130.7	156.1	163.9	161.0	150.2	113.2
100°	36.1	37.1	47.8	66.3	85.8	108.3	124.9	129.7	123.9	117.1	88.8
102.5°	30.2	31.2	41.0	55.6	73.2	88.8	101.5	103.4	98.5	90.7	71.2
105°	25.4	26.3	34.1	47.8	61.5	75.1	82.9	81.9	77.1	71.2	57.6
107.5°	22.4	22.4	29.3	41.0	53.7	62.4	68.3	66.3	61.5	55.6	46.8
110°	19.5	19.5	24.4	35.1	45.8	53.7	56.6	53.7	48.8	44.9	38.0

REPORT NUMBER: P694948

CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	17.6	17.6	21.5	30.2	39.0	45.8	46.8	42.9	40.0	37.1	31.2
115°	15.6	16.6	18.5	25.4	33.2	39.0	39.0	36.1	33.2	30.2	27.3
117.5°	14.6	14.6	16.6	22.4	29.3	33.2	33.2	30.2	27.3	25.4	23.4
120°	13.7	13.7	15.6	19.5	25.4	28.3	28.3	25.4	23.4	21.5	20.5
122.5°	12.7	12.7	13.7	16.6	21.5	24.4	24.4	21.5	19.5	18.5	17.6
125°	11.7	11.7	12.7	14.6	18.5	20.5	20.5	17.6	16.6	15.6	15.6
127.5°	10.7	10.7	11.7	12.7	15.6	17.6	16.6	14.6	13.7	13.7	13.7
130°	9.8	9.8	10.7	11.7	13.7	14.6	13.7	12.7	11.7	11.7	11.7
132.5°	9.8	9.8	9.8	9.8	10.7	11.7	11.7	10.7	9.8	10.7	10.7
135°	8.8	8.8	8.8	8.8	8.8	9.8	8.8	8.8	8.8	8.8	8.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	6.8	6.8	6.8	7.8	7.8
140°	6.8	6.8	6.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.8
142.5°	5.9	5.9	5.9	4.9	4.9	3.9	3.9	3.9	4.9	4.9	5.9
145°	4.9	4.9	4.9	3.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
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: P694948

CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	93.6	92.7	91.7	89.7	88.8	88.8	88.8	87.8	87.8	86.8	86.8
5°	96.6	95.6	91.7	88.8	86.8	84.9	82.9	81.9	81.0	80.0	80.0
7.5°	102.4	100.5	95.6	90.7	86.8	82.9	80.0	78.0	77.1	76.1	76.1
10°	111.2	108.3	100.5	93.6	87.8	82.9	79.0	77.1	75.1	74.1	74.1
12.5°	123.9	120.0	109.3	99.5	91.7	84.9	81.0	78.0	76.1	75.1	75.1
15°	141.4	134.6	121.0	108.3	97.5	88.8	83.9	81.9	81.0	81.0	81.0
17.5°	160.0	150.2	134.6	118.0	105.4	95.6	90.7	88.8	87.8	87.8	87.8
20°	180.5	169.7	148.3	128.8	113.2	104.4	98.5	96.6	95.6	95.6	95.6
22.5°	202.9	191.2	162.9	138.5	122.9	113.2	107.3	104.4	105.4	105.4	105.4
25°	228.3	211.7	178.5	150.2	131.7	121.9	116.1	113.2	115.1	116.1	116.1
27.5°	256.6	234.1	193.1	161.0	141.4	129.7	124.9	122.9	125.8	126.8	127.8
30°	283.9	258.5	207.8	172.7	149.3	137.5	132.7	133.6	135.6	137.5	139.5
32.5°	314.1	280.9	223.4	182.4	157.1	143.4	140.5	143.4	147.3	149.3	150.2
35°	343.4	304.4	235.1	191.2	162.9	149.3	147.3	152.2	157.1	161.0	161.0
37.5°	372.6	325.8	247.8	198.0	167.8	153.2	153.2	160.0	165.8	170.7	170.7
40°	402.9	349.2	258.5	203.9	171.7	157.1	158.0	166.8	174.6	177.5	178.5
42.5°	434.1	368.7	267.3	207.8	173.6	160.0	161.9	172.7	180.5	183.4	184.4
45°	464.3	389.2	274.1	209.7	175.6	161.0	163.9	176.6	184.4	187.3	187.3
47.5°	492.6	406.8	279.0	210.7	175.6	161.0	165.8	178.5	187.3	188.3	188.3
50°	522.9	424.3	282.9	210.7	174.6	161.0	165.8	179.5	187.3	187.3	187.3
52.5°	552.1	440.0	284.8	208.8	172.7	160.0	164.9	178.5	186.3	184.4	184.4
55°	579.4	452.6	283.9	205.8	169.7	157.1	162.9	176.6	183.4	180.5	180.5
57.5°	601.9	463.4	281.9	201.9	166.8	154.1	160.0	173.6	179.5	175.6	174.6
60°	621.4	470.2	278.0	197.1	161.9	150.2	157.1	169.7	174.6	169.7	168.8
62.5°	632.1	473.1	272.2	190.2	158.0	146.3	152.2	164.9	168.8	162.9	162.9
65°	636.0	469.2	263.4	183.4	152.2	142.4	147.3	159.0	161.9	157.1	156.1
67.5°	626.3	458.5	252.7	176.6	146.3	136.6	141.4	152.2	155.1	150.2	149.3
70°	605.8	438.0	239.0	166.8	139.5	130.7	134.6	143.4	147.3	143.4	142.4
72.5°	567.7	412.6	223.4	157.1	131.7	123.9	127.8	135.6	139.5	135.6	134.6
75°	522.9	379.5	205.8	146.3	123.9	117.1	120.0	125.8	129.7	127.8	125.8
77.5°	463.4	339.5	187.3	135.6	116.1	109.3	111.2	117.1	120.0	118.0	118.0
80°	400.9	295.6	168.8	123.9	108.3	102.4	102.4	107.3	110.2	109.3	107.3
82.5°	340.4	252.7	149.3	112.2	98.5	93.6	94.6	96.6	100.5	98.5	97.5
85°	280.0	214.6	130.7	101.5	89.7	85.8	85.8	86.8	89.7	88.8	87.8
87.5°	229.2	176.6	114.1	89.7	81.0	78.0	76.1	78.0	78.0	78.0	76.1
90°	186.3	146.3	98.5	80.0	74.1	70.2	68.3	68.3	68.3	67.3	66.3
92.5°	148.3	121.0	85.8	71.2	66.3	63.4	61.5	60.5	59.5	57.6	57.6
95°	121.9	99.5	74.1	62.4	59.5	56.6	54.6	53.7	51.7	49.8	48.8
97.5°	96.6	82.9	63.4	55.6	52.7	50.7	48.8	46.8	43.9	41.9	41.0
100°	77.1	67.3	54.6	48.8	46.8	44.9	42.9	41.0	38.0	35.1	34.1
102.5°	63.4	56.6	46.8	43.9	41.9	40.0	39.0	36.1	32.2	29.3	29.3
105°	51.7	46.8	41.0	38.0	37.1	36.1	34.1	31.2	27.3	24.4	24.4
107.5°	42.9	40.0	35.1	34.1	33.2	32.2	30.2	27.3	23.4	20.5	20.5
110°	36.1	33.2	30.2	29.3	29.3	28.3	27.3	23.4	20.5	17.6	17.6

REPORT NUMBER: P694948

CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.2	28.3	27.3	26.3	26.3	25.4	24.4	20.5	17.6	15.6	15.6
115°	25.4	24.4	23.4	23.4	23.4	22.4	21.5	18.5	14.6	13.7	13.7
117.5°	22.4	21.5	20.5	20.5	20.5	20.5	18.5	15.6	12.7	11.7	11.7
120°	19.5	19.5	18.5	18.5	18.5	17.6	16.6	13.7	10.7	10.7	10.7
122.5°	17.6	16.6	16.6	16.6	16.6	15.6	13.7	11.7	9.8	9.8	9.8
125°	15.6	14.6	14.6	14.6	14.6	13.7	11.7	9.8	8.8	8.8	8.8
127.5°	13.7	13.7	12.7	12.7	12.7	11.7	10.7	8.8	7.8	7.8	7.8
130°	11.7	11.7	11.7	11.7	10.7	9.8	8.8	7.8	6.8	6.8	6.8
132.5°	10.7	10.7	9.8	9.8	9.8	8.8	7.8	6.8	5.9	6.8	6.8
135°	8.8	8.8	8.8	8.8	7.8	6.8	6.8	5.9	5.9	5.9	5.9
137.5°	7.8	7.8	7.8	6.8	6.8	5.9	5.9	4.9	4.9	4.9	5.9
140°	6.8	6.8	5.9	5.9	4.9	4.9	4.9	3.9	4.9	4.9	4.9
142.5°	5.9	5.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.9	2.9	2.9
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)