

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: P694529

Luminaire Tested: **LXF.LXT-PA16-20-730-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-730-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2407 lumens  
Efficiency: N/A  
Efficacy: 110.4 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 - U2 - G2

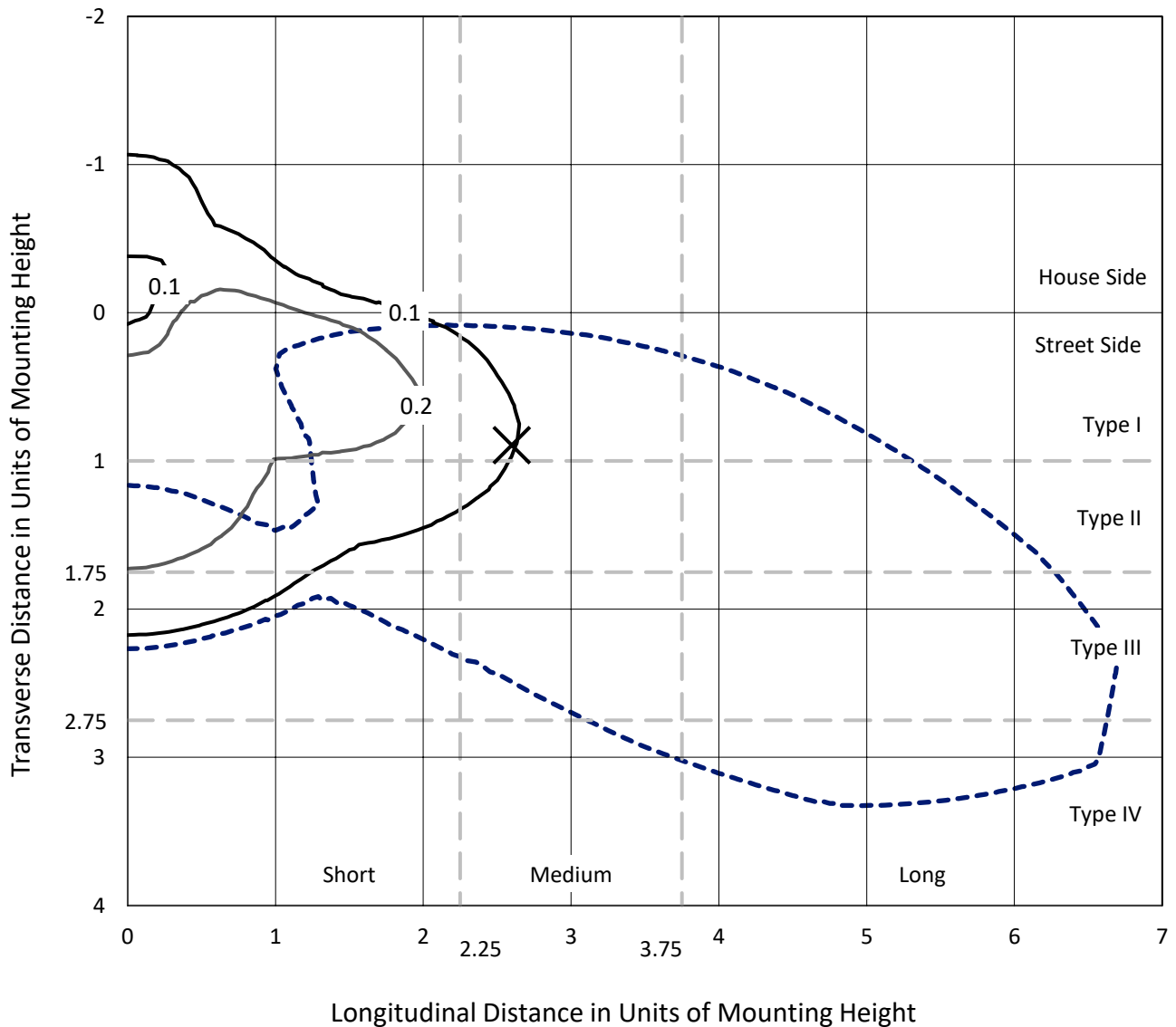
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694529  
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

### Iso-Footcandle Lines of Horizontal Illumination

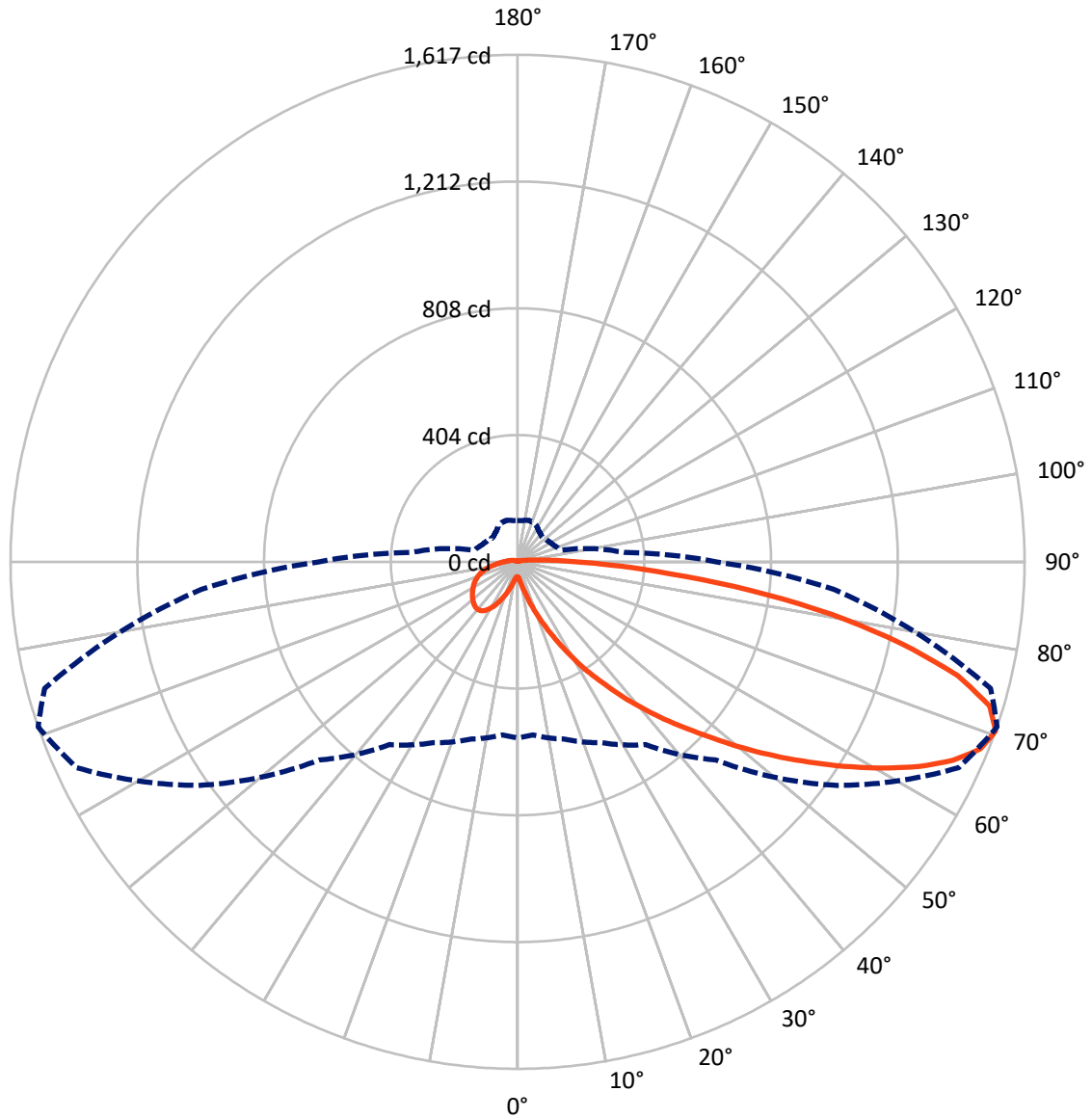
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P694529  
CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P694529  
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

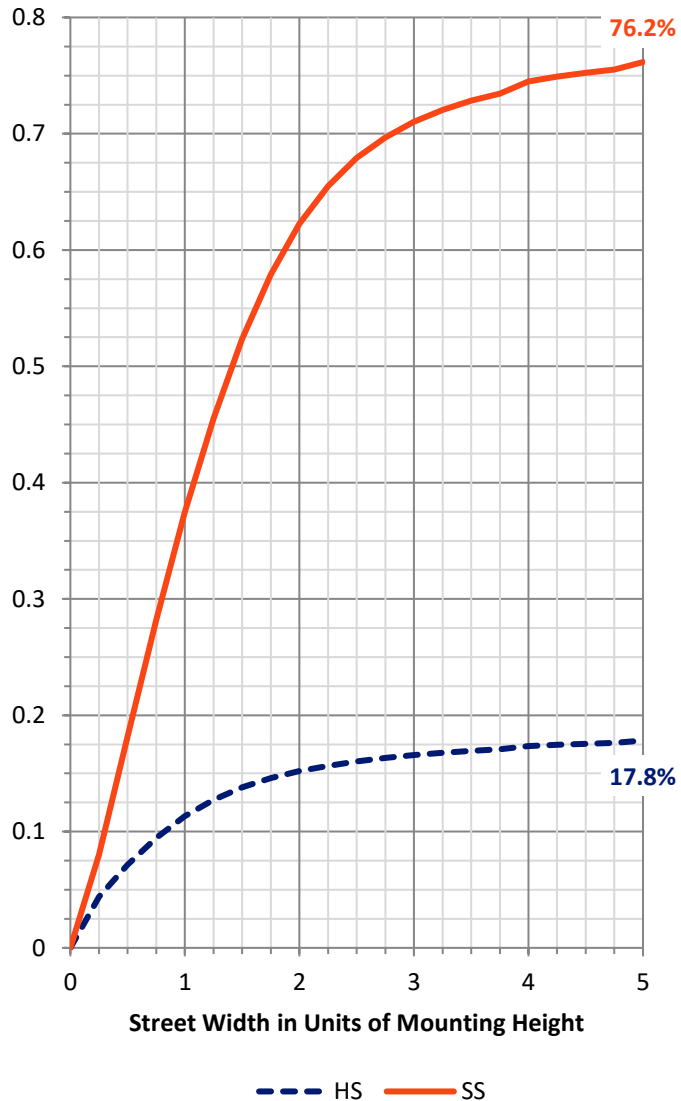
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	449.7	38.6	488.3
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	1876.7	42.1	1918.7
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	2326.3	80.7	2407.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.2
10°-20°	28.1	1.2
20°-30°	86.5	3.6
30°-40°	187.8	7.8
40°-50°	313.6	13.0
50°-60°	464.6	19.3
60°-70°	584.7	24.3
70°-80°	469.8	19.5
80°-90°	185.7	7.7
90°-100°	44.8	1.9
100°-110°	17.6	0.7
110°-120°	8.8	0.4
120°-130°	5.0	0.2
130°-140°	3.0	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2326.3	96.6
0°-180°	2407.0	100.0

**Coefficient of Utilization**

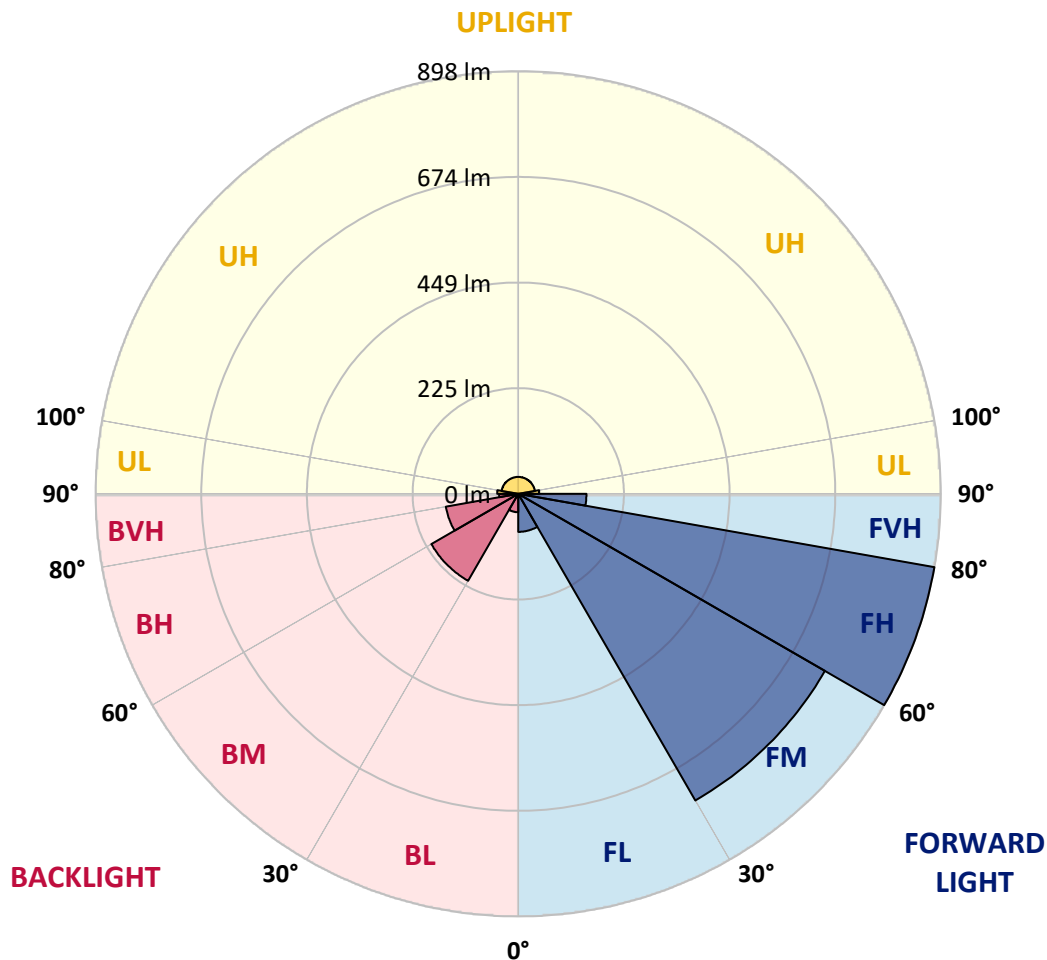


REPORT NUMBER: P694529  
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.9	3.4			
FM (30°-60°)	752.6	31.3			
FH (60°-80°)	898.2	37.3			G1/1800
FVH (80°-90°)	144.9	6.0			G2/225
BL (0°-30°)	39.2	1.6	B0/110		
BM (30°-60°)	213.4	8.9	B0/220		
BH (60°-80°)	156.3	6.5	B1/500		G1/500
BVH (80°-90°)	40.7	1.7			G1/100
UL (90°-100°)	44.8	1.9		U2/50	
UH (100°-180°)	35.9	1.5		U2/50	

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



REPORT NUMBER: P694529

CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
2.5°	53.0	53.0	53.0	53.0	53.0	52.1	51.1	51.1	50.2	50.2	49.3
5°	63.0	63.0	62.1	62.1	61.2	60.3	59.4	57.5	56.6	55.7	53.9
7.5°	74.9	74.0	73.1	73.1	73.1	71.2	69.4	67.6	65.8	63.9	61.2
10°	89.5	88.6	88.6	87.7	86.8	85.8	84.0	81.3	78.5	77.6	73.1
12.5°	106.9	105.9	106.9	105.9	103.2	103.2	102.3	98.6	96.8	95.0	88.6
15°	128.8	128.8	128.8	126.0	125.1	123.3	124.2	121.5	119.6	117.8	109.6
17.5°	156.2	156.2	154.3	151.6	148.0	148.0	148.9	148.9	149.8	144.3	133.3
20°	187.2	190.0	184.5	179.0	174.4	175.3	177.2	182.7	182.7	177.2	164.4
22.5°	227.4	224.7	221.9	211.0	203.7	201.8	209.1	218.3	219.2	218.3	198.2
25°	269.4	268.5	259.4	247.5	234.7	232.9	244.8	259.4	263.0	261.2	237.5
27.5°	314.2	314.2	305.0	284.0	265.8	263.0	277.6	303.2	311.4	312.3	279.5
30°	372.6	367.1	354.4	326.0	302.3	294.1	315.1	351.6	366.2	367.1	325.1
32.5°	422.8	422.8	404.6	372.6	337.9	324.2	349.8	403.7	422.8	421.0	369.9
35°	479.5	474.9	454.8	415.5	372.6	355.3	386.3	455.7	480.4	480.4	412.8
37.5°	531.5	526.0	507.8	461.2	408.2	385.4	424.7	507.8	547.1	547.1	451.2
40°	582.7	581.8	558.9	506.0	445.7	414.6	462.1	567.1	613.7	610.1	491.3
42.5°	640.2	636.6	609.2	552.5	482.2	446.6	501.4	629.2	685.9	680.4	529.7
45°	701.4	693.2	662.1	600.9	516.0	479.5	542.5	690.4	758.9	760.8	572.6
47.5°	757.1	755.3	723.3	651.2	559.8	514.2	587.2	767.2	841.1	836.6	612.8
50°	821.0	817.4	779.0	700.5	600.0	554.4	637.5	843.0	933.4	928.8	665.8
52.5°	884.1	876.7	836.6	752.5	646.6	598.2	694.1	926.1	1028.3	1018.3	718.7
55°	937.9	935.2	884.1	804.6	697.7	644.8	761.7	1017.4	1127.0	1122.4	776.3
57.5°	981.8	976.3	928.8	850.3	744.3	707.8	840.2	1108.7	1230.2	1219.2	837.5
60°	995.5	990.0	942.5	881.3	788.2	772.6	928.8	1211.0	1335.2	1320.6	898.7
62.5°	966.2	960.8	923.3	884.1	820.1	834.7	1026.5	1319.7	1437.5	1422.9	958.0
65°	871.3	868.5	853.9	846.6	825.6	883.1	1130.6	1415.6	1525.2	1500.5	1006.4
67.5°	728.8	732.4	734.3	761.7	791.8	910.5	1203.7	1503.3	1591.8	1557.1	1022.9
70°	560.8	554.4	585.4	636.6	711.4	893.2	1243.0	1551.7	1616.5	1560.8	1011.9
72.5°	399.1	400.0	434.7	502.3	609.2	836.6	1235.7	1534.3	1573.6	1508.7	959.9
75°	275.8	274.0	300.5	367.1	485.9	730.6	1147.1	1453.0	1449.4	1384.5	848.4
77.5°	185.4	190.9	210.1	260.3	369.0	609.2	1010.1	1262.1	1249.4	1168.1	715.1
80°	130.6	128.8	148.9	186.3	257.5	473.1	819.2	1031.1	1015.6	917.8	558.0
82.5°	87.7	92.2	105.0	128.8	184.5	348.9	621.0	763.5	746.1	666.7	390.9
85°	57.5	59.4	71.2	90.4	127.9	240.2	424.7	515.1	484.0	434.7	255.7
87.5°	36.5	38.4	47.5	62.1	88.6	161.6	282.2	317.8	294.1	274.0	155.3
90°	21.9	23.7	31.1	42.9	61.2	108.7	170.8	184.5	164.4	149.8	94.1
92.5°	15.5	16.4	21.9	31.1	44.8	73.1	105.9	105.9	96.8	83.1	59.4
95°	11.0	11.9	16.4	23.7	33.8	50.2	66.7	63.0	55.7	52.1	40.2
97.5°	9.1	9.1	13.7	19.2	27.4	38.4	43.8	40.2	37.4	34.7	30.1
100°	7.3	8.2	11.9	16.4	22.8	29.2	32.0	29.2	26.5	25.6	22.8
102.5°	6.4	7.3	10.0	14.6	19.2	23.7	24.7	21.9	21.0	19.2	17.4
105°	5.5	6.4	8.2	12.8	16.4	20.1	20.1	18.3	16.4	15.5	13.7
107.5°	5.5	5.5	7.3	11.0	14.6	16.4	17.4	14.6	12.8	11.9	11.0
110°	4.6	4.6	6.4	9.1	12.8	14.6	14.6	11.9	10.0	9.1	8.2

REPORT NUMBER: P694529  
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	4.6	4.6	6.4	8.2	11.0	12.8	11.9	10.0	8.2	7.3	7.3
115°	4.6	4.6	5.5	7.3	10.0	11.0	10.0	8.2	7.3	6.4	6.4
117.5°	3.7	4.6	5.5	7.3	9.1	10.0	9.1	7.3	6.4	5.5	5.5
120°	3.7	3.7	4.6	6.4	7.3	8.2	8.2	6.4	5.5	4.6	5.5
122.5°	3.7	3.7	4.6	5.5	7.3	7.3	7.3	5.5	4.6	4.6	4.6
125°	3.7	3.7	4.6	5.5	6.4	6.4	6.4	4.6	4.6	3.7	4.6
127.5°	3.7	3.7	3.7	4.6	5.5	6.4	5.5	4.6	3.7	3.7	4.6
130°	3.7	3.7	3.7	4.6	5.5	5.5	4.6	3.7	3.7	3.7	3.7
132.5°	3.7	3.7	3.7	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7
135°	3.7	3.7	3.7	3.7	4.6	4.6	3.7	3.7	2.7	2.7	3.7
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7
140°	3.7	2.7	2.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8
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: P694529

CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
2.5°	48.4	48.4	47.5	46.6	45.7	44.8	44.8	44.8	44.8	43.8	43.8
5°	52.1	51.1	49.3	47.5	45.7	43.8	42.9	42.0	41.1	41.1	40.2
7.5°	59.4	57.5	53.9	50.2	47.5	44.8	42.9	41.1	40.2	39.3	39.3
10°	70.3	67.6	61.2	55.7	51.1	46.6	43.8	42.0	41.1	40.2	40.2
12.5°	84.0	80.4	71.2	63.0	55.7	50.2	47.5	44.8	43.8	42.9	42.9
15°	104.1	96.8	84.9	73.1	63.0	55.7	52.1	51.1	50.2	50.2	50.2
17.5°	126.0	117.8	99.5	83.1	70.3	63.0	59.4	58.4	59.4	59.4	59.4
20°	152.5	140.6	116.0	95.0	79.5	72.1	69.4	68.5	70.3	71.2	72.1
22.5°	183.6	165.3	132.4	106.9	90.4	82.2	78.5	79.5	82.2	84.9	84.9
25°	218.3	195.4	150.7	118.7	101.4	92.2	89.5	93.2	96.8	100.5	101.4
27.5°	252.1	222.8	169.0	131.5	112.3	101.4	101.4	105.0	114.2	117.8	119.6
30°	287.7	248.4	183.6	144.3	123.3	111.4	112.3	120.6	130.6	136.1	137.9
32.5°	319.6	272.2	195.4	155.3	132.4	121.5	122.4	133.3	147.0	154.3	155.3
35°	351.6	289.5	205.5	165.3	140.6	128.8	132.4	147.0	161.6	169.9	170.8
37.5°	375.4	303.2	210.1	171.7	148.0	134.3	139.7	158.0	174.4	181.7	182.7
40°	397.3	311.4	211.9	176.3	152.5	139.7	146.1	167.1	183.6	190.9	190.9
42.5°	413.7	314.2	211.0	178.1	156.2	142.5	150.7	173.5	190.0	195.4	196.4
45°	431.1	316.9	207.3	178.1	157.1	144.3	152.5	176.3	192.7	196.4	196.4
47.5°	449.3	318.7	202.7	176.3	156.2	144.3	154.3	178.1	192.7	194.5	194.5
50°	474.9	323.3	197.3	172.6	154.3	143.4	154.3	178.1	190.9	189.0	189.0
52.5°	498.6	329.7	191.8	169.0	151.6	141.6	153.4	177.2	187.2	182.7	182.7
55°	527.9	334.3	185.4	163.5	148.0	138.8	150.7	173.5	181.7	176.3	175.3
57.5°	560.8	343.4	179.9	157.1	143.4	136.1	148.0	169.9	176.3	168.0	167.1
60°	594.5	350.7	173.5	151.6	138.8	131.5	143.4	164.4	169.0	160.7	159.8
62.5°	620.1	357.1	167.1	146.1	134.3	126.9	138.8	158.0	161.6	153.4	152.5
65°	642.0	359.8	159.8	139.7	128.8	122.4	133.3	150.7	153.4	146.1	145.2
67.5°	647.5	354.4	150.7	132.4	122.4	116.9	126.0	142.5	146.1	139.7	137.9
70°	633.8	339.7	142.5	126.0	116.9	110.5	118.7	133.3	137.0	131.5	131.5
72.5°	592.7	315.1	132.4	117.8	109.6	103.2	110.5	123.3	127.9	125.1	123.3
75°	528.8	277.6	120.6	109.6	101.4	95.9	101.4	113.2	117.8	116.9	116.9
77.5°	437.5	236.5	107.8	98.6	93.2	87.7	93.2	102.3	107.8	108.7	107.8
80°	337.0	187.2	93.2	87.7	84.0	79.5	84.0	92.2	96.8	98.6	97.7
82.5°	242.9	142.5	78.5	76.7	74.0	72.1	74.0	80.4	86.8	87.7	87.7
85°	168.0	103.2	65.8	65.8	63.9	63.0	64.8	69.4	74.0	75.8	75.8
87.5°	108.7	74.0	53.0	54.8	55.7	54.8	55.7	57.5	62.1	63.9	63.0
90°	71.2	53.0	43.8	45.7	47.5	47.5	46.6	47.5	52.1	53.0	53.0
92.5°	47.5	40.2	37.4	38.4	40.2	41.1	40.2	40.2	42.9	43.8	42.9
95°	35.6	32.9	32.0	32.9	34.7	34.7	34.7	33.8	35.6	36.5	35.6
97.5°	27.4	26.5	27.4	28.3	30.1	30.1	30.1	29.2	30.1	30.1	29.2
100°	21.9	21.9	23.7	24.7	25.6	25.6	25.6	25.6	25.6	23.7	23.7
102.5°	17.4	18.3	20.1	21.9	21.9	22.8	21.9	21.9	21.0	20.1	19.2
105°	14.6	14.6	17.4	18.3	19.2	19.2	19.2	18.3	17.4	15.5	15.5
107.5°	11.0	11.9	14.6	15.5	16.4	16.4	16.4	15.5	14.6	12.8	12.8
110°	9.1	10.0	11.9	13.7	14.6	14.6	14.6	13.7	11.9	10.0	10.0

REPORT NUMBER: P694529  
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	8.2	10.0	11.9	11.9	12.8	12.8	11.9	10.0	8.2	9.1
115°	6.4	7.3	9.1	10.0	11.0	11.0	11.0	10.0	8.2	7.3	7.3
117.5°	6.4	6.4	8.2	9.1	9.1	10.0	9.1	8.2	7.3	6.4	6.4
120°	5.5	6.4	7.3	8.2	8.2	8.2	8.2	7.3	6.4	6.4	6.4
122.5°	5.5	5.5	6.4	7.3	7.3	7.3	7.3	6.4	5.5	5.5	5.5
125°	4.6	5.5	5.5	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5
127.5°	4.6	4.6	5.5	5.5	5.5	5.5	5.5	5.5	4.6	4.6	4.6
130°	4.6	4.6	4.6	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6
132.5°	3.7	3.7	4.6	4.6	4.6	4.6	4.6	4.6	3.7	4.6	4.6
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	1.8
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)