

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: P694527

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2493.9 lumens  
Efficiency: N/A  
Efficacy: 114.4 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

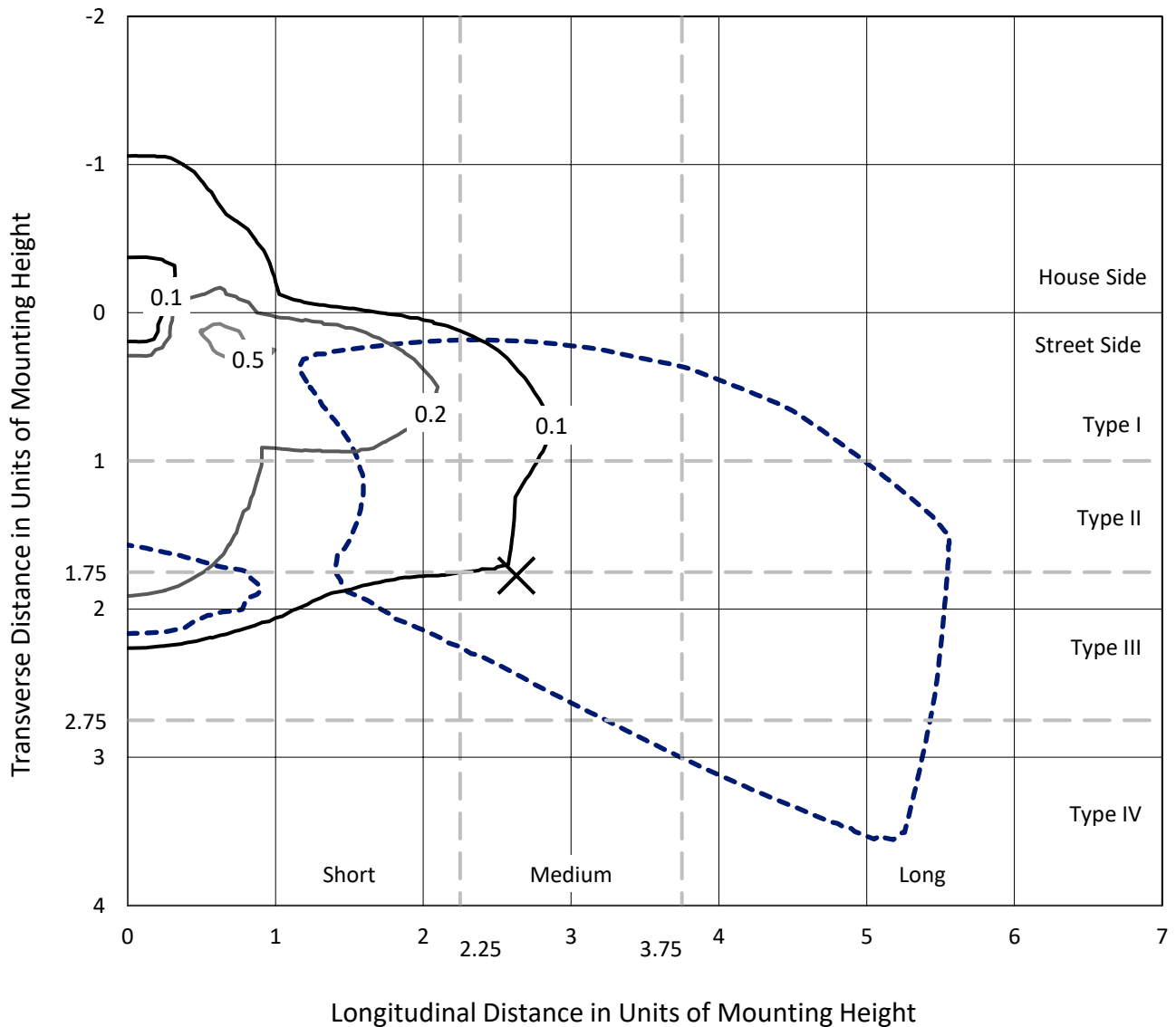
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

### Iso-Footcandle Lines of Horizontal Illumination

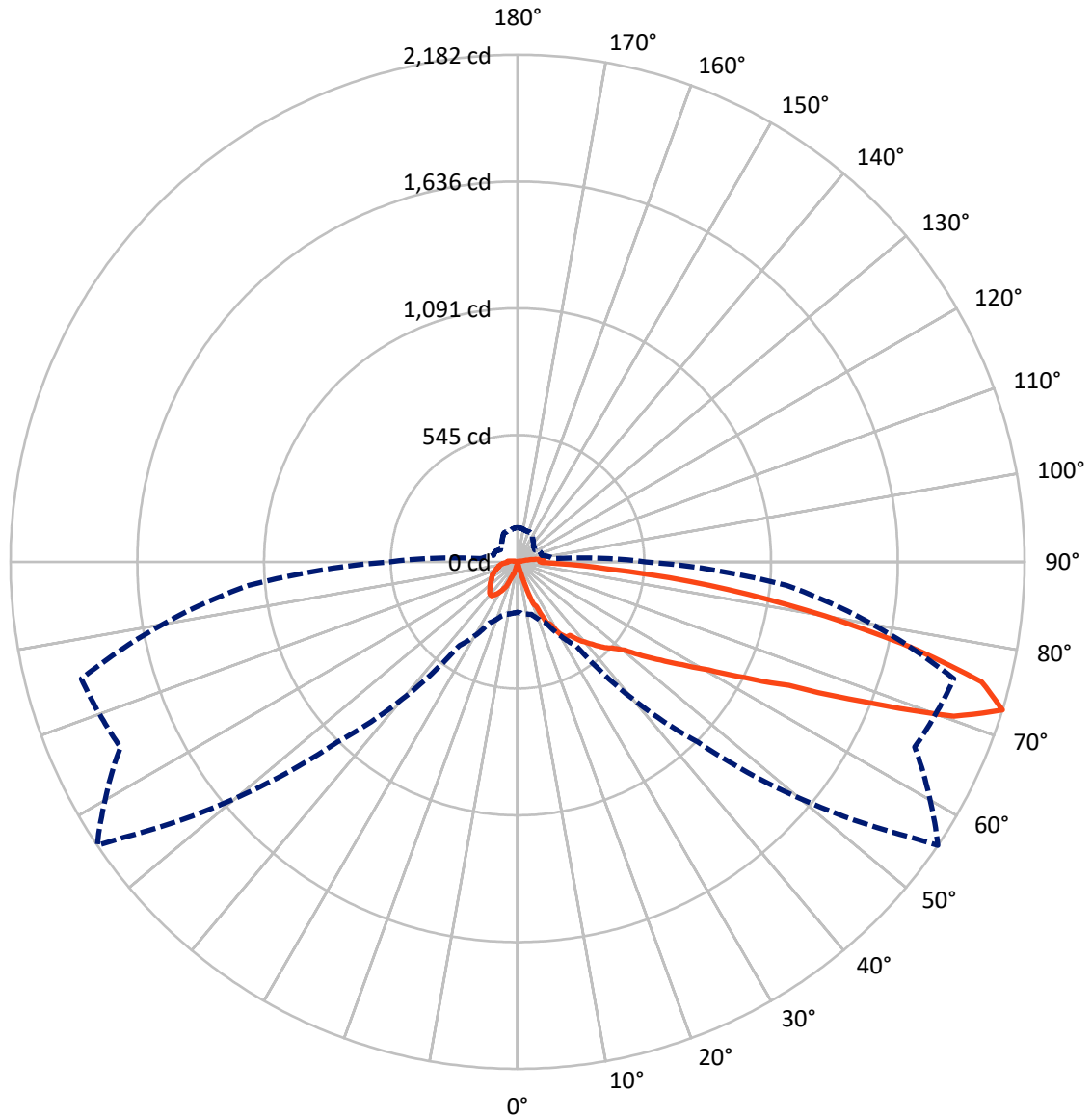
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - N/A

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

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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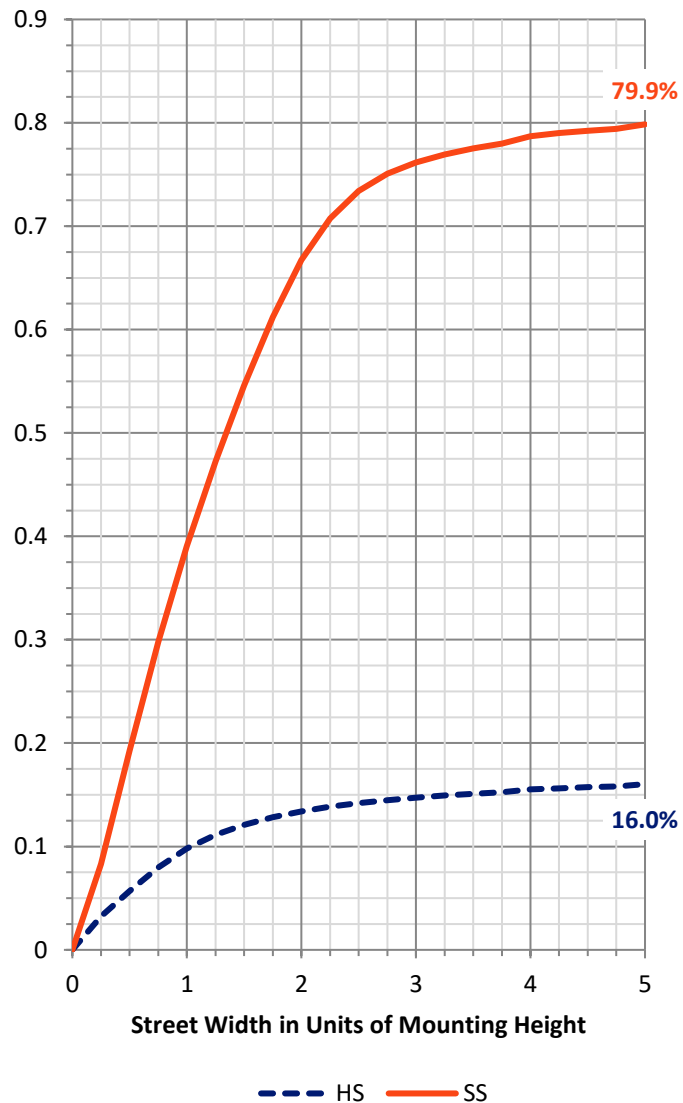
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	426.0	27.0	453.0
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	2012.5	28.4	2040.9
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	2438.5	55.4	2493.9
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	20.5	0.8
20°-30°	96.4	3.9
30°-40°	212.3	8.5
40°-50°	318.3	12.8
50°-60°	468.7	18.8
60°-70°	650.8	26.1
70°-80°	524.3	21.0
80°-90°	146.9	5.9
90°-100°	39.6	1.6
100°-110°	7.7	0.3
110°-120°	3.0	0.1
120°-130°	2.3	0.1
130°-140°	1.6	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2438.5	97.8
0°-180°	2493.9	100.0

**Coefficient of Utilization**

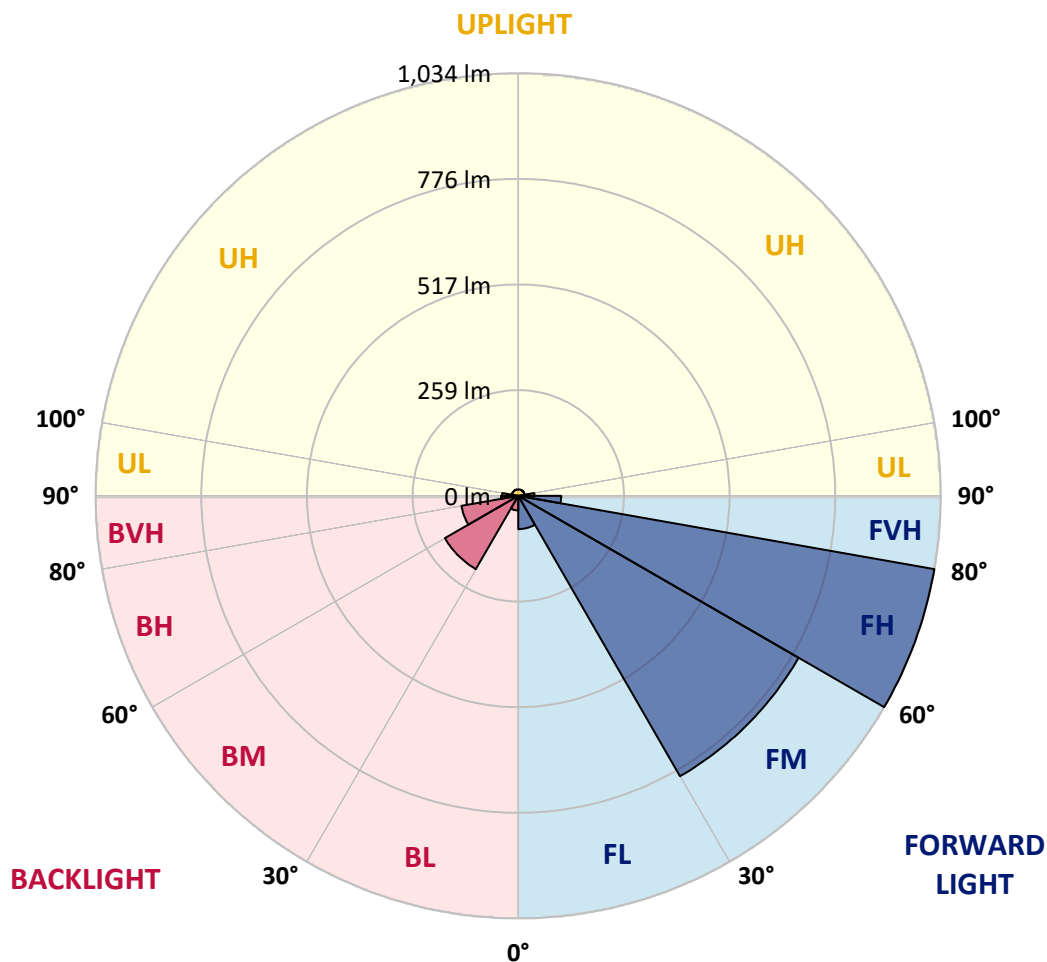


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 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.4	3.3			
FM (30°-60°)	792.1	31.8			
FH (60°-80°)	1034.1	41.5			G1/1800
FVH (80°-90°)	104.9	4.2			G2/225
BL (0°-30°)	35.8	1.4	B0/110		
BM (30°-60°)	207.1	8.3	B0/220		
BH (60°-80°)	141.1	5.7	B1/500		G1/500
BVH (80°-90°)	42.0	1.7			G1/100
UL (90°-100°)	39.6	1.6		U2/50	
UH (100°-180°)	15.8	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
5°	2.7	2.7	2.7	2.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
7.5°	4.6	4.6	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7
10°	26.5	25.6	22.8	15.5	9.1	4.6	3.7	3.7	3.7	3.7	4.6
12.5°	116.0	115.1	116.0	108.7	29.2	15.5	7.3	7.3	11.0	14.6	19.2
15°	122.4	123.3	123.3	119.6	119.6	51.1	28.3	39.3	112.3	122.4	119.6
17.5°	160.7	155.3	133.3	127.9	130.6	129.7	112.3	112.3	130.6	137.9	136.1
20°	189.0	189.0	190.0	188.1	139.7	179.0	192.7	193.6	154.3	213.7	231.1
22.5°	211.9	213.7	204.6	197.3	212.8	185.4	209.1	209.1	261.2	293.2	281.3
25°	294.1	293.2	276.7	221.0	221.0	224.7	284.0	289.5	326.9	326.0	313.2
27.5°	338.8	338.8	320.6	287.7	244.8	256.6	292.2	305.0	370.8	471.2	426.5
30°	457.5	459.4	419.2	343.4	295.9	273.1	338.8	361.6	464.8	495.0	442.9
32.5°	492.2	493.2	495.9	439.3	342.5	303.2	369.9	386.3	498.6	626.5	558.0
35°	502.3	504.1	504.1	463.9	429.2	352.5	376.3	388.1	593.6	660.3	558.9
37.5°	535.2	534.3	526.9	480.4	463.0	390.0	415.5	427.4	632.9	710.5	556.2
40°	581.7	581.7	569.9	512.3	476.7	428.3	442.9	455.7	678.5	769.9	558.0
42.5°	635.6	631.1	617.4	548.9	498.6	452.1	479.5	490.4	726.0	844.8	560.7
45°	700.5	695.9	668.5	600.0	537.0	462.1	505.9	526.9	779.9	924.2	577.2
47.5°	762.6	760.7	729.7	651.1	575.3	476.7	526.0	555.3	844.8	1025.6	609.1
50°	839.3	830.1	790.0	701.4	610.1	505.0	578.1	597.3	913.3	1123.3	657.5
52.5°	908.7	892.2	850.2	752.5	652.1	544.3	657.5	670.3	991.8	1225.6	713.2
55°	976.3	952.5	895.0	805.5	692.2	590.0	743.4	746.1	1081.3	1330.6	781.7
57.5°	1077.6	1053.0	969.9	854.8	745.2	648.4	826.5	835.6	1169.9	1448.4	862.1
60°	1218.3	1200.9	1100.5	971.7	839.3	726.0	926.0	944.3	1257.5	1566.2	941.6
62.5°	1272.2	1252.1	1176.3	1086.8	973.5	865.8	1049.3	1098.6	1337.0	1684.9	1033.8
65°	1126.0	1126.0	1085.9	1091.3	1057.5	1089.5	1224.7	1282.2	1430.2	1779.0	1113.3
67.5°	732.4	736.1	761.7	870.3	990.9	1270.3	1527.0	1606.4	1571.7	1880.4	1179.9
70°	332.4	345.2	400.9	551.6	754.3	1281.3	1874.9	1990.9	1736.1	1949.8	1203.7
72.5°	217.4	221.9	234.7	291.3	443.8	1097.7	2067.6	2181.8	1885.9	1943.4	1160.7
75°	181.7	179.0	186.3	206.4	223.7	753.4	1967.1	2062.1	1866.7	1828.3	1056.6
77.5°	150.7	147.9	155.3	166.2	132.4	413.7	1635.6	1690.4	1614.6	1562.6	862.1
80°	116.0	116.0	119.6	134.2	96.8	200.9	1215.5	1256.6	1195.4	1116.0	516.0
82.5°	79.5	78.5	86.8	103.2	77.6	116.0	830.1	831.1	714.2	543.4	242.9
85°	35.6	35.6	42.9	59.4	45.7	72.1	379.0	392.7	242.9	173.5	108.7
87.5°	11.9	11.9	12.8	14.6	15.5	33.8	105.9	107.8	94.1	106.9	80.4
90°	11.0	11.0	11.0	11.0	11.9	32.9	95.0	95.0	84.0	99.5	80.4
92.5°	11.0	11.0	10.0	9.1	10.0	30.1	105.0	113.2	92.2	104.1	84.0
95°	11.0	11.0	9.1	8.2	9.1	21.9	105.0	112.3	96.8	90.4	75.8
97.5°	7.3	7.3	6.4	6.4	7.3	12.8	76.7	79.5	62.1	45.7	45.7
100°	6.4	6.4	4.6	4.6	5.5	7.3	41.1	43.8	30.1	14.6	14.6
102.5°	6.4	6.4	3.7	3.7	3.7	4.6	11.9	12.8	11.0	6.4	7.3
105°	7.3	7.3	3.7	2.7	2.7	3.7	5.5	5.5	6.4	5.5	7.3
107.5°	6.4	6.4	2.7	2.7	2.7	2.7	2.7	2.7	3.7	5.5	7.3
110°	4.6	3.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7	4.6	6.4

REPORT NUMBER: P694527

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	2.7	2.7	1.8	1.8	1.8	2.7	1.8	1.8	2.7	3.7	5.5
115°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	4.6
117.5°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7	5.5
120°	2.7	2.7	1.8	0.9	1.8	1.8	1.8	1.8	1.8	3.7	5.5
122.5°	2.7	2.7	1.8	0.9	1.8	1.8	1.8	1.8	1.8	3.7	5.5
125°	2.7	2.7	1.8	0.9	1.8	0.9	1.8	1.8	1.8	3.7	4.6
127.5°	2.7	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	2.7	4.6
130°	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	2.7	4.6
132.5°	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	2.7	3.7
135°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	2.7
137.5°	1.8	1.8	1.8	0.9	1.8	1.8	1.8	1.8	1.8	1.8	2.7
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
147.5°	1.8	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
150°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
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: P694527

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7
5°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
7.5°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
10°	3.7	3.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
12.5°	21.9	19.2	14.6	8.2	3.7	1.8	1.8	1.8	2.7	3.7	3.7
15°	114.2	106.9	85.8	56.6	18.3	4.6	2.7	8.2	25.6	34.7	33.8
17.5°	130.6	119.6	89.5	62.1	50.2	22.8	23.7	42.9	50.2	53.9	53.0
20°	225.6	186.3	110.5	72.1	58.4	54.8	48.4	54.8	62.1	66.7	67.6
22.5°	256.6	213.7	131.5	107.8	74.9	77.6	72.1	69.4	98.6	105.9	107.8
25°	277.6	221.9	137.9	121.5	114.2	90.4	99.5	102.3	114.2	118.7	119.6
27.5°	356.2	261.2	169.9	138.8	127.9	114.2	117.8	117.8	130.6	152.5	153.4
30°	351.6	245.7	178.1	162.6	143.4	134.2	128.8	149.8	166.2	170.8	171.7
32.5°	411.9	265.8	199.1	171.7	159.8	142.5	152.5	164.4	174.4	187.2	194.5
35°	377.2	240.2	207.3	192.7	169.0	156.2	165.3	176.3	210.0	221.0	221.0
37.5°	338.8	219.2	200.0	194.5	181.7	166.2	169.0	199.1	214.6	210.0	210.0
40°	304.1	204.6	193.6	190.9	182.7	166.2	179.0	193.6	208.2	204.6	204.6
42.5°	282.2	195.4	187.2	185.4	179.0	163.5	173.5	190.9	207.3	200.9	200.0
45°	274.0	187.2	182.7	179.0	169.0	157.1	169.9	192.7	205.5	198.2	197.3
47.5°	282.2	182.7	178.1	173.5	160.7	147.0	171.7	190.0	201.8	190.9	189.0
50°	308.7	182.7	172.6	166.2	154.3	147.0	169.0	183.6	192.7	179.9	177.2
52.5°	343.4	186.3	167.1	158.0	147.9	146.1	165.3	179.9	185.4	171.7	170.8
55°	390.9	192.7	159.8	151.6	137.9	142.5	165.3	180.8	179.0	163.5	162.6
57.5°	439.3	200.0	153.4	147.0	131.5	137.9	163.5	181.7	170.8	151.6	151.6
60°	491.3	209.1	145.2	141.6	126.9	131.5	158.0	179.9	162.6	142.5	142.5
62.5°	543.4	213.7	138.8	136.1	121.5	125.1	151.6	174.4	159.8	140.6	140.6
65°	585.4	209.1	132.4	128.8	114.2	117.8	142.5	169.9	155.3	141.6	142.5
67.5°	609.1	196.3	126.0	123.3	106.9	110.5	131.5	159.8	147.9	140.6	142.5
70°	598.2	174.4	117.8	114.2	99.5	104.1	121.5	147.9	143.4	140.6	143.4
72.5°	550.7	158.0	107.8	105.9	90.4	96.8	115.1	137.9	137.9	146.1	147.0
75°	490.4	140.6	99.5	97.7	84.0	88.6	112.3	126.0	128.8	139.7	142.5
77.5°	398.2	117.8	87.7	89.5	82.2	82.2	106.9	118.7	121.5	134.2	135.2
80°	243.8	86.8	75.8	80.4	75.8	78.5	100.5	110.5	112.3	129.7	131.5
82.5°	121.5	61.2	64.8	71.2	67.6	77.6	95.9	105.0	114.2	131.5	132.4
85°	62.1	37.4	49.3	57.5	58.4	85.8	94.1	108.7	106.9	118.7	121.5
87.5°	39.3	19.2	28.3	31.1	43.8	81.3	83.1	89.5	87.7	101.4	101.4
90°	38.4	15.5	24.7	23.7	43.8	69.4	63.9	64.8	69.4	85.8	86.8
92.5°	40.2	14.6	25.6	23.7	46.6	54.8	51.1	49.3	54.8	64.8	66.7
95°	35.6	13.7	27.4	25.6	40.2	36.5	32.9	36.5	35.6	35.6	36.5
97.5°	21.0	10.0	26.5	25.6	32.0	19.2	21.9	27.4	21.0	15.5	14.6
100°	9.1	6.4	25.6	24.7	20.1	11.9	18.3	22.8	15.5	6.4	6.4
102.5°	5.5	5.5	18.3	22.8	11.9	6.4	13.7	15.5	9.1	5.5	5.5
105°	5.5	5.5	9.1	13.7	4.6	3.7	6.4	7.3	4.6	4.6	4.6
107.5°	5.5	5.5	4.6	4.6	3.7	3.7	3.7	3.7	3.7	4.6	4.6
110°	5.5	5.5	3.7	4.6	3.7	2.7	2.7	2.7	3.7	4.6	4.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
115°	4.6	4.6	3.7	2.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
117.5°	4.6	3.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	5.5	5.5
120°	4.6	3.7	2.7	2.7	1.8	1.8	2.7	2.7	3.7	5.5	5.5
122.5°	4.6	4.6	2.7	2.7	1.8	1.8	1.8	2.7	3.7	5.5	5.5
125°	4.6	3.7	2.7	2.7	1.8	1.8	1.8	1.8	3.7	5.5	5.5
127.5°	4.6	3.7	2.7	1.8	1.8	1.8	1.8	1.8	3.7	5.5	5.5
130°	3.7	3.7	2.7	1.8	1.8	1.8	1.8	1.8	3.7	4.6	5.5
132.5°	3.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	4.6	4.6
135°	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.7	3.7
137.5°	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
140°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7
142.5°	1.8	1.8	1.8	1.8	0.9	1.8	1.8	1.8	2.7	2.7	2.7
145°	2.7	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	2.7
147.5°	2.7	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	2.7
150°	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	2.7
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

(END OF REPORT)