

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: P414196

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 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: 2404 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G2

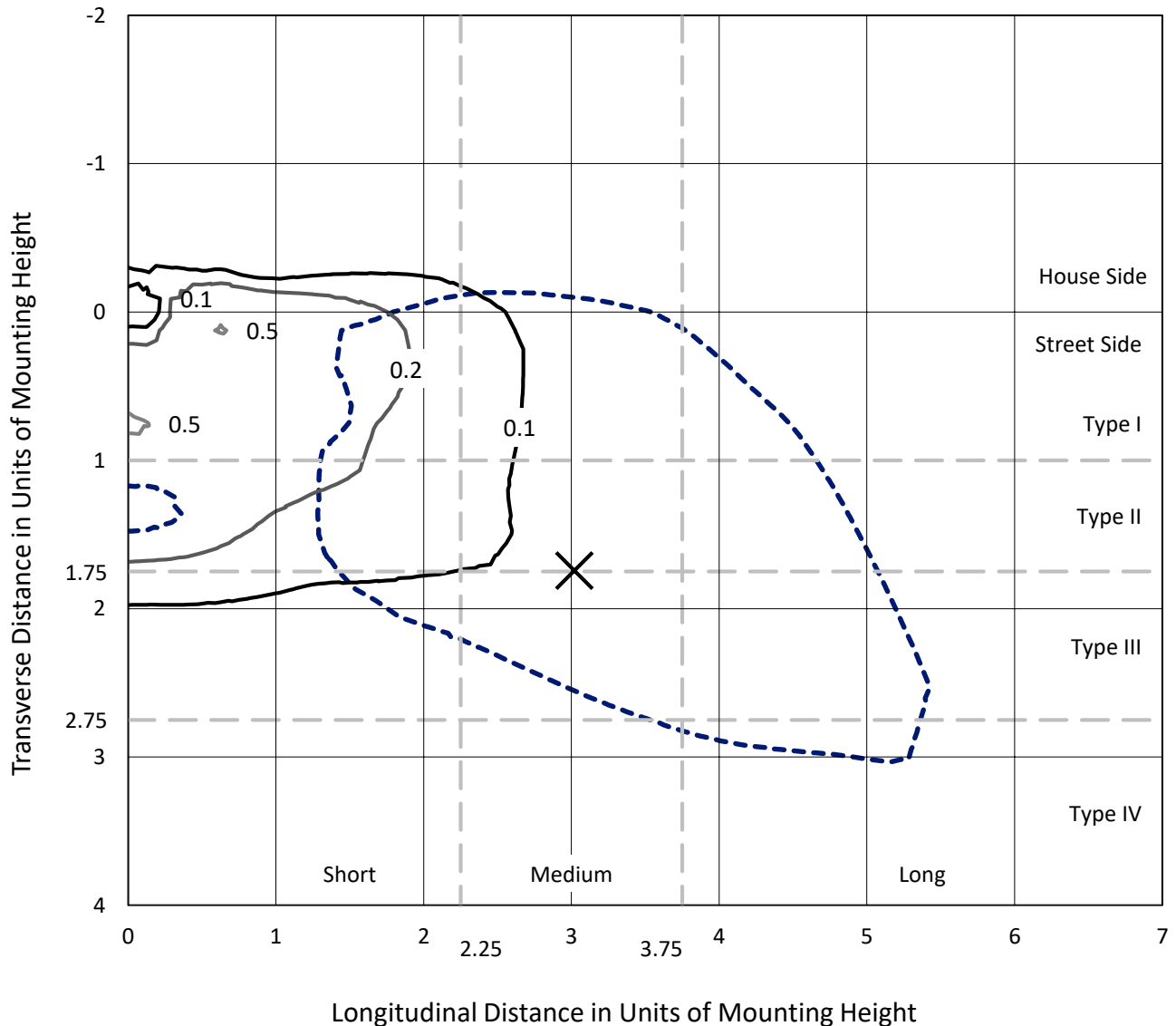
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414196  
 CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

### Iso-Footcandle Lines of Horizontal Illumination

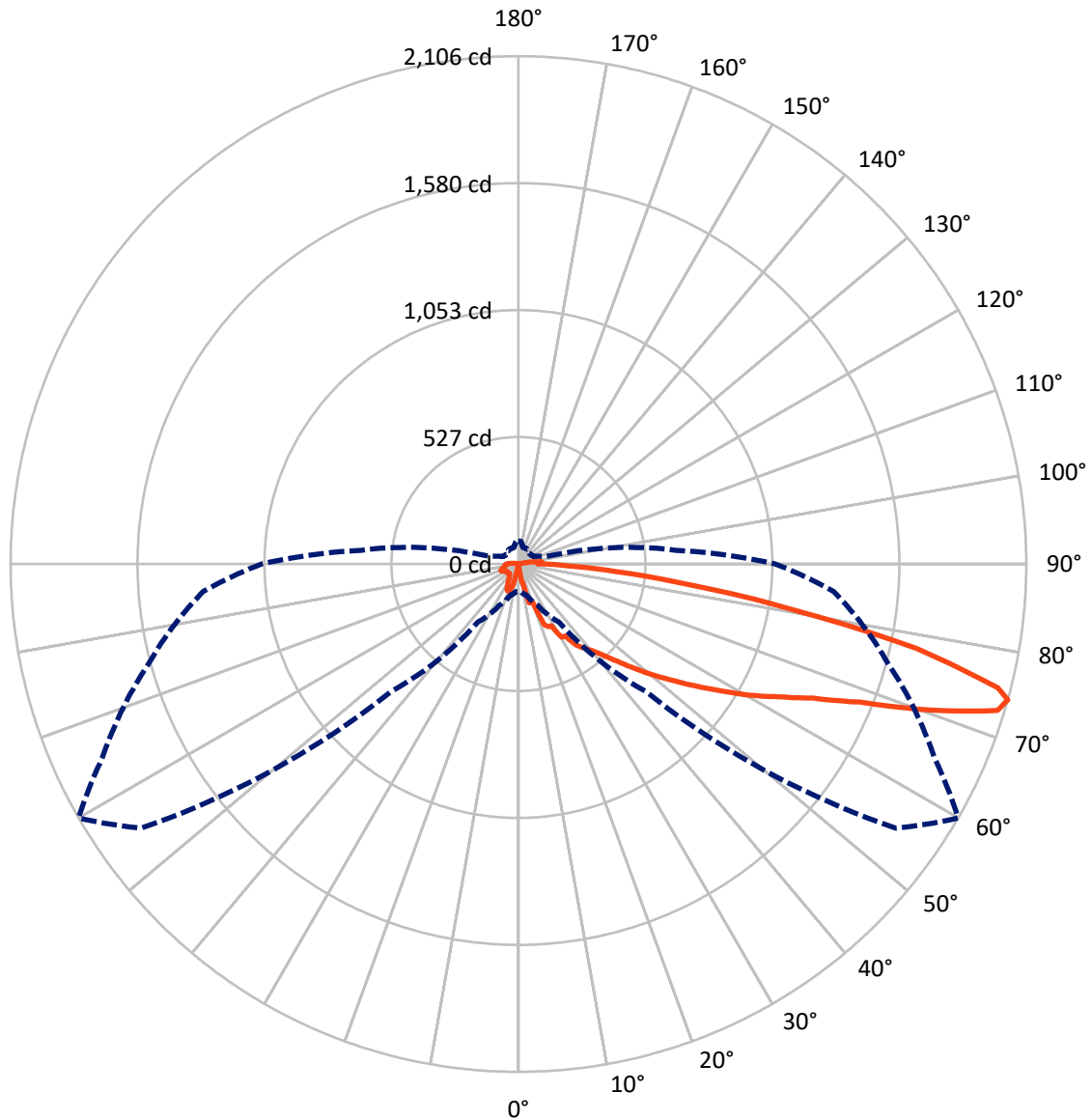
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414196  
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



REPORT NUMBER: P414196

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

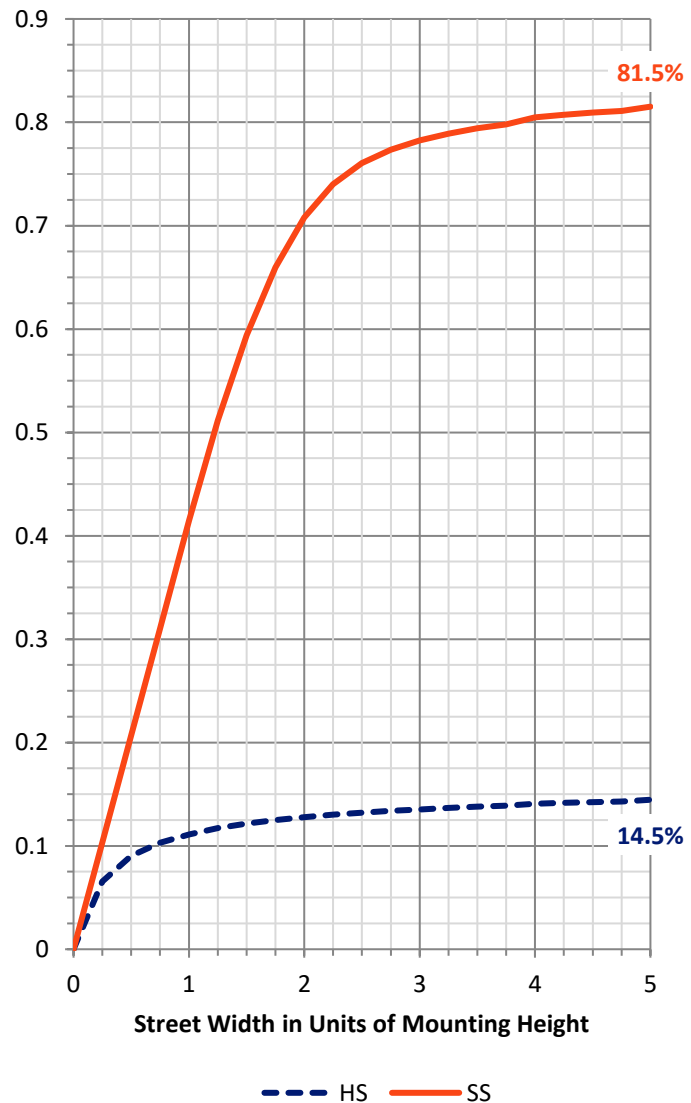
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	368.9	23.4	392.3
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	1986.6	25.0	2011.7
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	2355.6	48.4	2404.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	30.7	1.3
20°-30°	93.0	3.9
30°-40°	186.1	7.7
40°-50°	319.2	13.3
50°-60°	486.6	20.2
60°-70°	599.6	24.9
70°-80°	501.2	20.9
80°-90°	136.5	5.7
90°-100°	35.3	1.5
100°-110°	6.3	0.3
110°-120°	2.3	0.1
120°-130°	1.8	0.1
130°-140°	1.2	0.1
140°-150°	1.0	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2355.6	98.0
0°-180°	2404.0	100.0



REPORT NUMBER: P414196

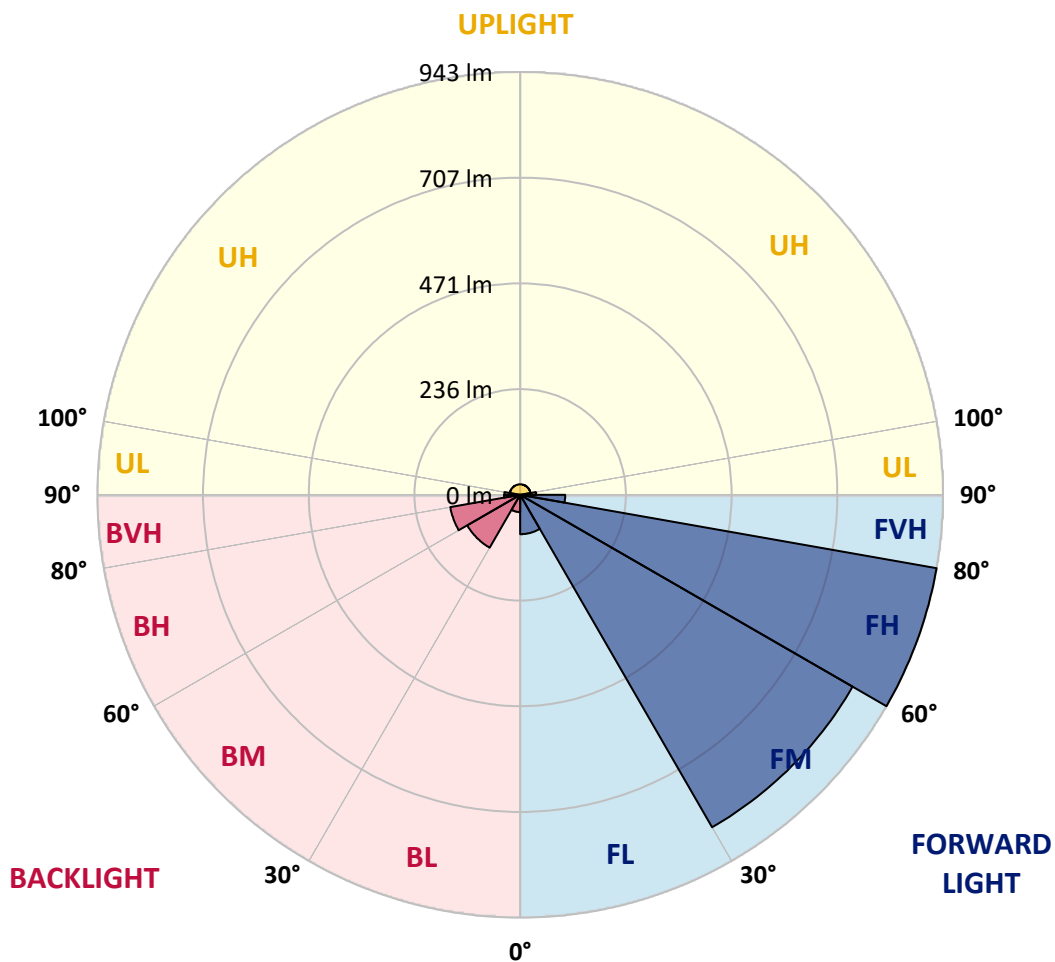
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.8	3.7			
FM	(30°-60°)	855.8	35.6			
FH	(60°-80°)	942.7	39.2			G1/1800
FVH	(80°-90°)	100.3	4.2			G2/225
BL	(0°-30°)	38.5	1.6	B0/110		
BM	(30°-60°)	136.1	5.7	B0/220		
BH	(60°-80°)	158.1	6.6	B1/500		G1/500
BVH	(80°-90°)	36.2	1.5			G1/100
UL	(90°-100°)	35.3	1.5		U2/50	
UH	(100°-180°)	23.4	1.0		U2/50	

**BUG Rating: B1-U2-G2**

Type III Medium





REPORT NUMBER: P414196

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.0	2.7	2.5	2.7	3.0	2.7	2.2	1.9	1.6	1.6	1.6
5°	80.1	79.0	78.5	61.2	14.5	9.1	3.6	2.5	2.2	1.6	1.6
7.5°	81.2	80.1	80.4	80.1	78.8	78.8	25.5	9.3	5.2	1.9	1.9
10°	85.6	84.0	81.8	81.5	81.0	80.1	78.8	77.1	17.6	3.0	2.7
12.5°	158.1	157.2	156.1	120.5	87.3	81.2	80.4	78.5	60.4	11.5	53.2
15°	157.0	156.7	154.8	155.6	155.3	88.4	100.2	167.1	160.5	116.4	134.2
17.5°	164.7	163.8	158.1	154.5	154.8	176.5	163.8	164.9	165.5	147.1	143.8
20°	223.4	222.0	221.5	215.1	157.2	207.2	211.3	171.2	175.4	228.3	255.2
22.5°	226.1	224.2	222.0	220.4	248.1	206.4	223.4	272.8	260.4	302.1	284.9
25°	305.4	300.2	278.5	225.6	247.8	237.7	289.0	287.6	272.2	315.3	304.6
27.5°	330.7	327.1	311.2	299.1	252.7	284.6	287.3	290.3	342.5	435.0	405.3
30°	442.9	415.2	343.6	336.2	301.6	287.0	328.5	352.1	385.3	436.9	428.7
32.5°	507.1	493.7	459.1	406.1	353.2	313.9	356.2	356.2	387.2	528.0	542.0
35°	611.1	567.8	500.3	464.3	402.9	375.7	367.2	413.6	457.7	554.6	553.8
37.5°	648.7	644.6	619.4	509.1	473.7	408.6	428.1	442.4	479.7	593.0	591.4
40°	669.3	678.4	680.3	605.7	526.1	472.0	465.2	473.1	509.1	647.1	626.2
42.5°	739.0	742.3	752.5	667.4	604.6	541.2	522.0	518.7	543.6	709.9	672.3
45°	851.5	853.2	845.8	738.5	668.5	609.8	588.4	575.7	597.7	772.2	730.8
47.5°	980.5	984.4	948.7	818.9	726.7	675.9	664.4	644.9	658.9	828.5	803.5
50°	1083.2	1082.1	1018.4	883.9	785.4	743.7	740.1	722.0	723.7	896.8	882.0
52.5°	1109.8	1108.1	1053.8	931.9	838.9	814.2	830.4	802.4	787.9	967.6	963.5
55°	1069.7	1072.7	1047.2	952.0	872.9	876.2	918.2	894.1	874.3	1034.6	1041.2
57.5°	1011.8	1008.2	1012.1	959.7	899.6	936.9	1022.8	992.6	973.7	1110.3	1117.7
60°	904.5	899.6	949.2	951.4	924.3	1005.5	1133.9	1104.6	1077.9	1190.2	1182.2
62.5°	741.2	734.9	824.6	900.9	952.5	1085.9	1243.7	1211.9	1186.1	1275.0	1259.9
65°	493.4	523.3	628.4	790.6	942.1	1201.7	1388.9	1341.1	1294.2	1362.0	1359.2
67.5°	286.2	307.6	384.7	562.3	856.2	1300.8	1619.1	1528.6	1447.6	1460.5	1454.2
70°	177.6	184.1	217.6	324.4	603.5	1268.1	1874.3	1815.9	1644.4	1570.3	1469.0
72.5°	137.8	142.2	161.4	211.9	366.9	980.8	1995.6	2077.7	1843.0	1599.1	1396.0
74°	112.8	115.5	135.6	189.6	294.5	747.8	1909.5	2106.2	1904.0	1585.1	1312.0
75°	89.2	91.9	114.4	181.9	279.9	596.6	1781.8	2053.3	1905.9	1563.4	1210.8
77.5°	54.6	56.5	61.7	125.7	254.4	340.8	1314.8	1690.2	1689.1	1298.3	868.3
80°	43.4	43.9	46.1	66.1	207.2	309.0	832.6	1166.6	1158.1	779.4	444.8
82.5°	29.9	32.1	36.5	42.8	110.3	302.7	525.0	724.8	625.1	296.7	186.1
85°	20.0	21.7	27.7	31.8	59.0	322.2	376.8	407.8	307.6	146.8	122.7
87.5°	8.2	8.5	12.6	15.4	23.9	154.5	253.6	202.0	141.6	93.0	99.9
90°	4.4	4.4	3.3	3.6	8.8	33.2	82.9	80.4	66.7	76.6	93.9
92.5°	4.9	4.9	3.3	3.6	8.5	26.1	89.7	91.7	76.6	81.5	100.4
95°	5.5	5.5	3.3	3.3	8.2	17.8	86.2	96.9	78.8	85.6	101.3
97.5°	6.0	6.3	3.0	3.0	6.6	13.4	54.1	66.1	51.3	44.5	48.6
100°	6.3	6.3	2.7	2.7	4.4	9.6	25.0	31.8	24.7	11.5	8.0
102.5°	6.3	6.6	2.7	2.5	3.0	6.0	8.0	11.5	9.1	6.9	7.4
105°	6.0	6.6	2.7	2.5	2.5	3.3	4.1	4.7	4.9	4.9	7.7
107.5°	4.7	5.2	2.2	2.5	2.2	2.2	1.6	1.9	2.5	4.4	7.7



REPORT NUMBER: P414196

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.3	3.3	1.6	2.2	1.9	2.2	1.4	1.6	2.2	3.3	6.3
112.5°	1.6	1.4	1.1	1.6	1.6	1.9	1.4	1.4	1.9	2.7	4.4
115°	1.1	1.4	0.8	1.1	1.4	1.4	1.1	1.4	1.6	2.7	4.7
117.5°	1.1	1.1	0.8	1.1	1.4	1.1	1.1	1.4	1.6	2.7	4.7
120°	1.4	1.1	0.8	1.1	1.1	0.8	1.1	1.4	1.4	2.7	4.7
122.5°	1.4	1.4	1.1	1.1	1.1	0.8	1.1	1.1	1.4	2.7	4.4
125°	1.6	1.4	1.1	1.1	1.1	0.8	1.1	1.1	1.4	2.5	4.1
127.5°	1.6	1.6	1.1	1.1	1.4	0.8	1.1	1.1	1.4	2.2	3.8
130°	1.6	1.6	1.4	1.1	1.4	1.1	1.1	1.1	1.4	1.9	3.3
132.5°	1.6	1.6	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.6	2.7
135°	1.9	1.6	1.4	1.4	1.6	1.1	1.1	1.1	1.1	1.4	1.9
137.5°	1.9	1.9	1.6	1.6	1.9	1.4	1.1	1.4	1.4	1.4	1.6
140°	2.2	2.2	2.2	1.9	1.9	1.4	1.4	1.4	1.4	1.6	1.6
142.5°	2.7	2.5	2.5	2.2	1.9	1.4	1.4	1.4	1.6	1.6	1.6
145°	3.0	3.0	2.7	2.5	1.9	1.4	1.4	1.6	1.6	1.9	1.9
147.5°	3.0	3.0	2.7	2.2	1.6	1.1	1.4	1.6	1.6	1.9	2.2
150°	3.0	2.7	2.5	1.9	1.4	0.8	1.1	1.4	1.6	1.9	2.2
152.5°	2.2	2.2	1.9	1.4	1.1	0.5	0.8	1.1	1.4	1.6	1.9
155°	1.4	1.4	1.1	0.8	0.8	0.5	0.8	1.1	1.1	1.4	1.6
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	1.1	1.1
160°	0.3	0.3	0.5	0.3	0.5	0.5	0.5	0.8	0.8	0.8	0.8
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: P414196

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.4	1.4	0.8	1.1	1.1	1.4	1.6	1.9
5°	1.6	1.9	1.6	1.4	1.4	1.1	1.4	1.4	1.4	1.9	1.9
7.5°	1.9	1.9	1.6	1.6	1.4	1.1	1.9	59.3	68.1	70.3	70.8
10°	2.5	2.5	2.2	1.9	1.6	63.9	70.5	70.5	70.0	70.5	70.5
12.5°	54.6	58.7	9.3	4.7	52.7	66.4	64.8	63.7	62.6	61.5	60.9
15°	132.8	128.7	118.0	88.6	81.8	60.9	56.0	77.7	82.9	84.2	84.0
17.5°	140.2	133.6	117.5	123.2	108.1	77.9	70.3	69.7	66.7	66.7	67.0
20°	263.7	248.6	160.3	120.2	93.9	94.4	60.1	53.5	56.0	59.6	61.7
22.5°	270.9	251.1	187.4	156.4	84.5	76.3	58.7	51.9	70.0	77.1	77.7
25°	289.0	257.4	189.9	131.7	95.5	62.6	58.5	54.1	64.2	70.8	70.3
27.5°	391.3	347.1	241.2	121.3	75.5	59.0	55.2	51.9	63.9	74.6	74.4
30°	390.8	342.2	222.8	111.7	62.3	54.9	50.2	56.5	59.6	63.7	63.9
32.5°	507.4	435.0	243.7	92.8	55.2	47.5	49.7	51.6	54.1	64.5	66.7
35°	509.9	425.4	211.6	85.1	50.8	45.3	46.7	51.0	56.3	62.8	63.4
37.5°	519.8	420.4	175.6	70.3	52.1	45.8	48.6	53.5	52.1	61.2	62.3
40°	537.9	421.8	147.6	62.8	51.3	45.8	50.8	51.6	51.9	56.5	57.1
42.5°	565.9	429.2	124.0	59.6	50.5	49.7	49.1	49.4	47.5	56.8	57.9
45°	605.7	444.6	105.9	58.5	50.5	57.9	51.3	49.4	45.3	65.3	70.0
47.5°	664.4	474.8	95.2	58.7	50.8	55.4	50.8	48.0	47.2	76.3	79.6
50°	730.8	509.3	88.1	59.8	50.8	54.6	49.9	49.4	52.4	77.4	78.2
52.5°	802.1	555.4	85.6	60.9	54.6	55.4	56.8	56.5	50.5	62.0	62.0
55°	874.6	603.2	86.4	62.3	57.6	56.8	60.6	53.5	43.4	46.1	45.6
57.5°	942.9	658.9	92.2	61.5	55.7	56.3	61.2	50.2	43.4	46.1	47.2
60°	1017.0	719.3	108.1	59.3	54.9	54.6	60.4	53.0	43.4	53.0	53.2
62.5°	1107.3	802.4	142.7	61.5	59.3	56.3	60.6	58.5	49.7	50.8	51.9
65°	1214.1	888.3	175.6	70.0	62.6	56.5	59.8	61.5	56.3	54.3	54.1
67.5°	1292.3	909.4	177.0	81.2	67.0	59.6	60.4	67.0	61.5	62.6	62.0
70°	1272.5	851.8	153.4	85.9	69.7	62.0	62.0	69.4	64.8	74.4	74.6
72.5°	1175.9	739.6	129.5	79.6	66.1	62.8	68.9	71.9	68.9	89.5	88.4
74°	1065.0	655.1	119.1	72.4	64.8	62.6	70.8	71.9	71.1	95.5	94.7
75°	980.0	588.6	113.3	68.3	63.9	61.7	71.4	72.2	71.9	96.3	96.0
77.5°	677.3	397.6	99.1	60.9	62.6	61.7	71.1	73.8	75.7	95.8	95.0
80°	347.4	217.6	82.6	57.6	62.0	63.4	70.3	71.4	74.4	90.6	89.7
82.5°	174.3	125.4	60.6	53.0	62.8	68.9	70.5	69.2	70.0	83.4	82.1
85°	112.2	86.7	40.3	44.5	63.9	74.6	70.3	64.5	65.6	72.7	72.2
87.5°	90.3	64.2	24.7	34.6	68.1	68.3	64.2	57.1	55.7	57.1	56.3
90°	83.4	59.6	20.9	32.7	65.9	57.1	52.4	46.7	41.7	42.0	40.3
92.5°	89.7	62.3	22.2	32.4	52.4	40.1	38.4	35.4	29.4	26.1	24.4
95°	88.4	59.8	22.5	27.4	38.4	22.8	27.2	25.0	18.1	13.7	12.9
97.5°	42.5	30.2	20.0	21.4	22.5	17.3	23.1	21.1	13.2	8.5	8.0
100°	8.0	11.3	17.8	20.3	17.8	13.4	18.1	16.2	7.1	4.4	4.1
102.5°	7.7	6.3	13.4	18.4	11.3	7.7	9.9	9.1	4.7	3.3	3.3
105°	8.0	6.3	6.3	12.6	6.9	3.6	3.0	4.4	3.3	3.3	3.6
107.5°	8.2	6.3	3.8	4.1	3.3	2.7	2.2	2.2	2.5	3.6	3.8



REPORT NUMBER: P414196

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.6	5.5	3.6	3.3	3.0	2.7	2.2	1.9	2.5	3.8	4.1
112.5°	4.7	4.4	3.3	2.7	2.5	2.5	1.9	1.6	2.5	4.1	4.4
115°	4.7	4.4	2.7	2.5	1.9	2.2	1.9	1.6	2.5	4.7	4.9
117.5°	4.9	4.1	2.7	2.2	1.6	1.6	1.6	1.6	2.7	4.7	4.9
120°	4.9	4.1	2.7	1.9	1.6	1.4	1.6	1.6	2.7	4.7	5.2
122.5°	4.7	4.1	2.5	1.9	1.6	1.4	1.4	1.4	2.5	4.7	4.9
125°	4.4	3.8	2.5	1.9	1.6	1.1	1.4	1.4	2.5	4.4	4.9
127.5°	4.1	3.6	2.5	1.9	1.4	1.1	1.4	1.4	2.5	4.1	4.7
130°	3.6	3.3	2.2	1.6	1.4	1.1	1.4	1.4	2.5	3.8	4.4
132.5°	3.0	2.7	1.9	1.6	1.4	1.1	1.4	1.1	1.9	3.6	3.8
135°	2.2	2.2	1.9	1.4	1.4	0.8	1.1	1.1	1.6	2.7	3.0
137.5°	1.9	1.9	1.6	1.4	1.4	0.8	1.1	0.8	1.4	2.2	2.5
140°	1.9	1.9	1.6	1.4	1.1	0.8	0.8	0.8	1.1	1.9	1.9
142.5°	1.9	1.9	1.6	1.4	1.1	0.8	0.8	0.8	1.1	1.6	1.9
145°	1.9	1.9	1.9	1.6	1.1	0.8	0.8	0.8	1.1	1.6	1.6
147.5°	2.2	2.2	1.9	1.4	1.1	0.5	0.5	0.8	1.1	1.6	1.6
150°	2.2	2.2	1.9	1.4	1.1	0.5	0.3	0.5	0.8	1.4	1.6
152.5°	1.9	1.9	1.6	1.4	0.8	0.5	0.3	0.5	0.8	1.4	1.4
155°	1.6	1.6	1.4	1.1	0.8	0.3	0.0	0.3	0.5	1.1	1.1
157.5°	1.1	1.4	1.1	0.8	0.5	0.3	0.0	0.3	0.3	0.8	0.8
160°	1.1	1.1	1.1	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.5
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)