

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: P414751

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-750-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3674 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

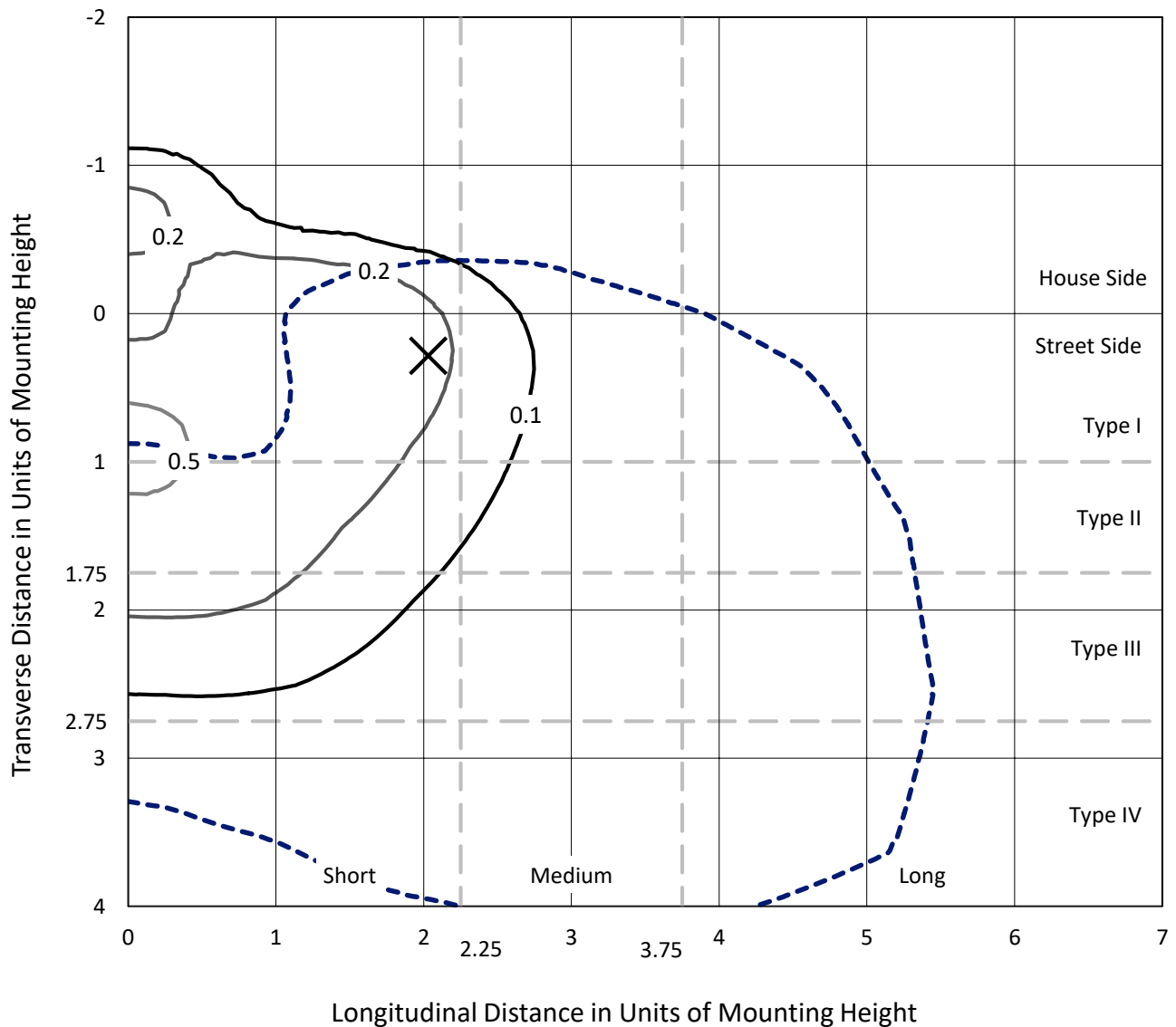
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

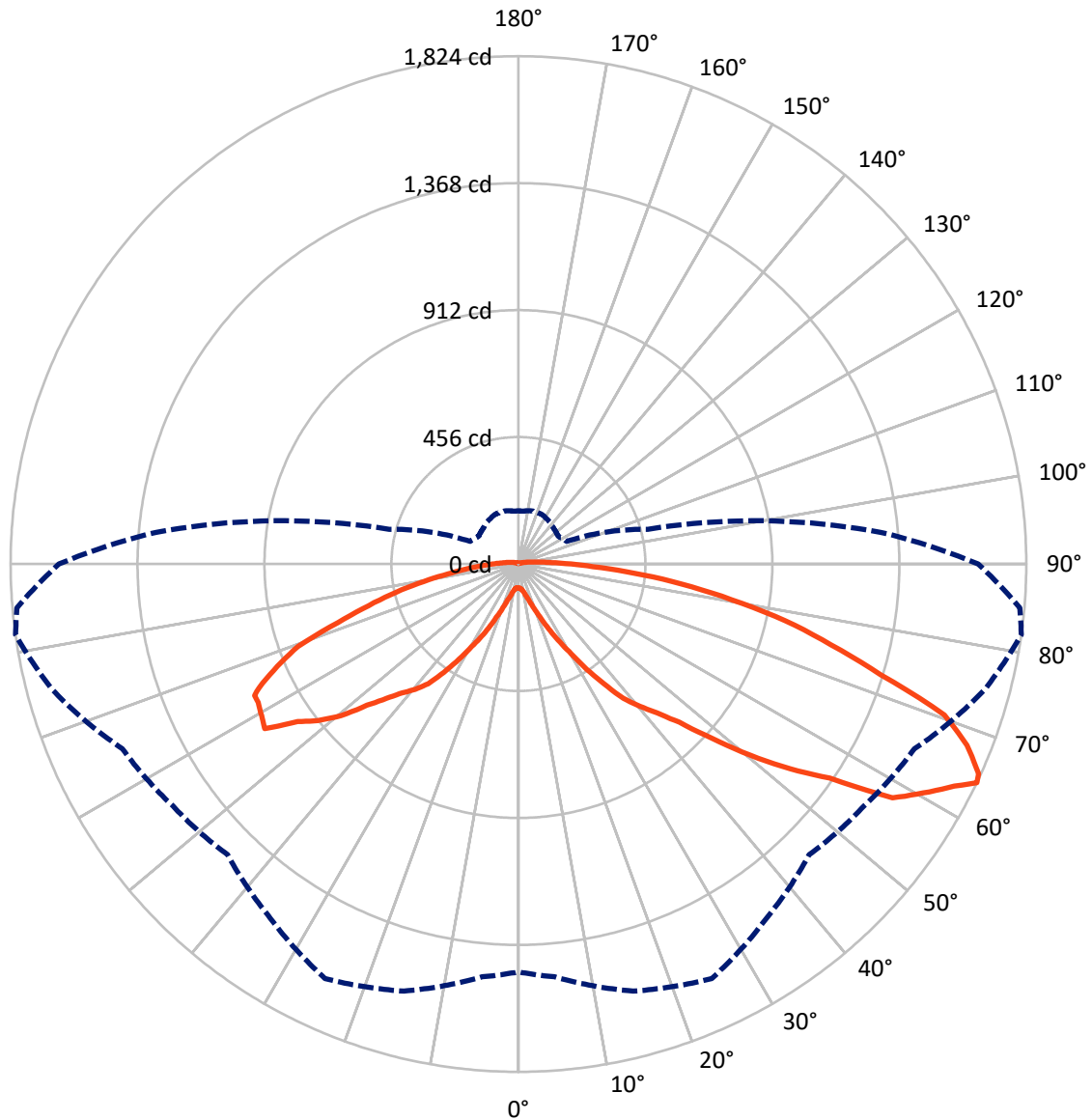


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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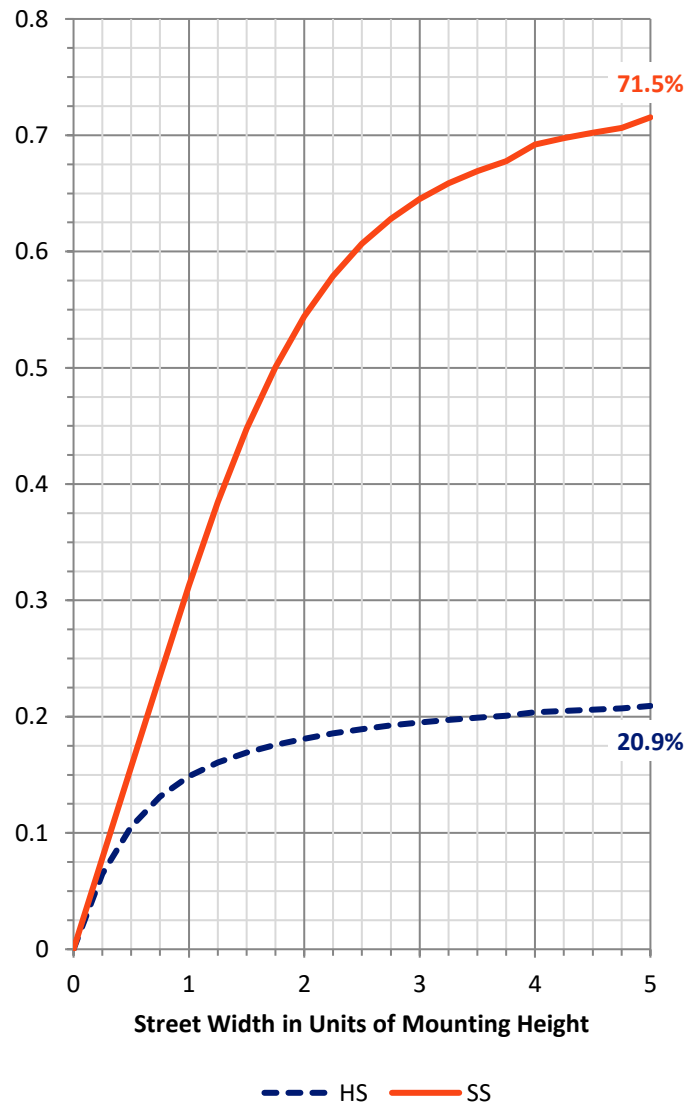
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	807.6	60.5	868.2
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2726.5	79.3	2805.8
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	3534.2	139.8	3674.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	0.2
10°-20°	37.8	1.0
20°-30°	108.9	3.0
30°-40°	250.0	6.8
40°-50°	439.1	12.0
50°-60°	705.3	19.2
60°-70°	946.8	25.8
70°-80°	723.9	19.7
80°-90°	313.5	8.5
90°-100°	88.1	2.4
100°-110°	26.7	0.7
110°-120°	11.7	0.3
120°-130°	6.7	0.2
130°-140°	4.1	0.1
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3534.2	96.2
0°-180°	3674.0	100.0



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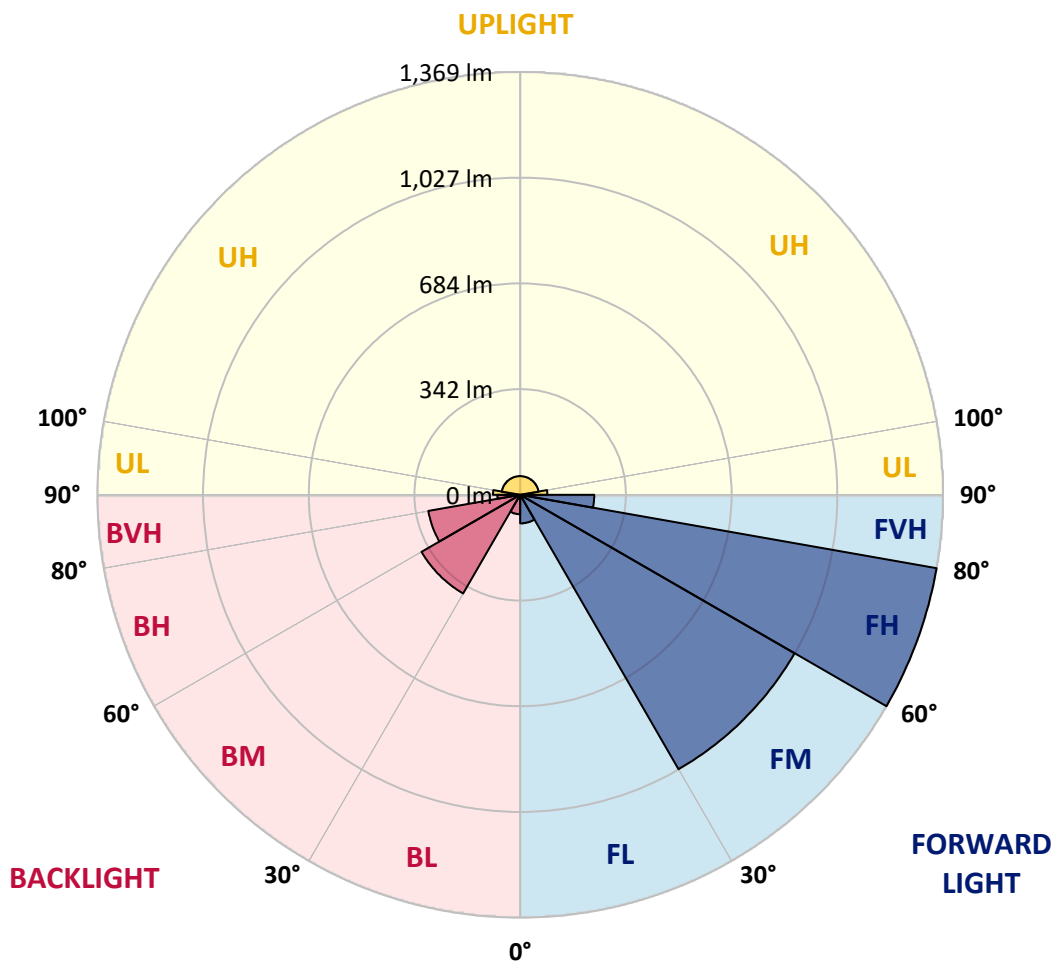
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.5	2.5			
FM (30°-60°)	1025.6	27.9			
FH (60°-80°)	1368.8	37.3			G1/1800
FVH (80°-90°)	239.7	6.5			G3/500
BL (0°-30°)	63.0	1.7	B0/110		
BM (30°-60°)	368.9	10.0	B1/1000		
BH (60°-80°)	301.9	8.2	B1/500		G1/500
BVH (80°-90°)	73.9	2.0			G1/100
UL (90°-100°)	88.1	2.4		U3/500	
UH (100°-180°)	60.5	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2.5°	92.2	91.8	91.8	92.2	92.2	91.3	89.6	88.4	87.1	86.7	86.3
5°	100.6	100.2	99.8	100.2	98.9	97.7	95.1	92.6	90.9	89.2	88.8
7.5°	112.1	111.6	111.2	110.4	108.7	106.1	102.3	98.9	96.0	93.9	93.0
10°	126.9	125.2	124.7	123.1	120.1	115.9	111.6	107.4	104.0	101.1	99.8
12.5°	147.2	147.2	143.8	140.0	134.9	128.5	123.1	119.7	116.3	114.6	112.1
15°	172.1	171.3	167.9	161.5	153.1	145.9	140.0	135.7	133.6	130.7	129.4
17.5°	199.6	197.9	194.9	185.2	175.1	167.4	160.7	156.5	155.2	152.6	152.2
20°	235.5	233.0	225.8	214.0	200.0	191.6	185.2	180.6	180.1	181.0	180.6
22.5°	278.2	276.5	267.7	246.1	230.5	218.2	209.7	210.6	216.1	218.6	215.2
25°	329.4	331.1	316.3	287.5	266.8	246.1	242.7	247.4	259.6	266.4	266.8
27.5°	389.9	389.4	370.0	338.3	306.1	282.9	277.4	290.9	308.3	318.0	318.0
30°	457.5	463.4	436.0	394.5	349.7	322.2	318.0	338.7	356.9	374.2	379.3
32.5°	547.6	546.3	510.8	460.9	401.3	362.4	359.0	385.2	426.2	450.3	450.3
35°	659.6	655.0	605.5	530.7	450.8	407.2	407.6	444.0	498.1	527.7	530.7
37.5°	756.1	759.9	710.0	619.1	514.6	458.4	463.4	512.5	577.6	612.3	624.1
40°	859.2	860.5	805.5	706.6	583.5	512.9	525.2	581.8	643.6	672.3	683.8
42.5°	950.1	957.8	902.8	794.5	653.3	579.7	585.7	635.1	696.4	730.7	746.8
45°	1012.7	1017.0	983.1	875.3	729.0	647.8	647.0	693.1	772.1	810.2	836.0
47.5°	1097.7	1109.1	1060.5	956.5	806.8	717.2	710.0	769.2	873.2	934.9	956.9
50°	1197.5	1214.9	1180.6	1055.0	895.6	798.8	800.0	870.7	998.8	1079.5	1102.4
52.5°	1296.9	1303.7	1280.8	1173.4	998.8	893.9	904.1	992.4	1139.6	1222.5	1236.4
55°	1350.2	1359.9	1366.7	1281.7	1122.7	1006.8	1024.6	1131.1	1259.7	1356.9	1388.6
57.5°	1400.9	1414.4	1432.2	1374.3	1245.7	1146.4	1163.7	1258.4	1446.2	1584.9	1609.0
60°	1486.7	1498.6	1532.8	1485.5	1358.6	1279.6	1297.7	1430.9	1574.7	1670.3	1672.8
62.5°	1485.5	1504.1	1587.0	1598.8	1479.6	1407.7	1452.1	1524.0	1637.7	1757.8	1755.3
64°	1465.2	1488.4	1588.2	1643.2	1553.1	1477.0	1515.5	1569.6	1735.4	1824.2	1808.1
65°	1450.8	1476.6	1584.4	1654.6	1593.3	1516.3	1545.1	1607.7	1763.7	1816.6	1794.6
67.5°	1371.7	1400.5	1543.4	1653.4	1634.7	1578.1	1587.4	1645.7	1716.8	1737.5	1698.2
70°	1230.1	1245.3	1407.7	1584.0	1593.7	1539.6	1565.0	1595.0	1633.9	1623.8	1572.2
72.5°	970.9	1002.2	1166.2	1417.4	1472.8	1433.9	1443.6	1458.4	1419.1	1360.7	1299.4
75°	691.4	719.3	872.3	1118.0	1282.5	1266.9	1280.4	1256.7	1213.2	1159.9	1099.8
77.5°	480.8	489.7	616.1	843.6	1025.0	1072.8	1102.0	1068.5	1044.0	980.2	932.0
80°	311.2	326.0	405.5	611.0	812.3	910.0	956.9	935.3	878.3	776.4	721.4
82.5°	192.8	204.7	267.2	433.8	644.0	779.7	825.0	795.4	704.0	590.3	535.3
85°	110.4	112.9	156.5	282.5	470.6	619.5	679.9	632.6	526.5	416.5	368.3
87.5°	63.4	65.5	93.5	172.9	325.6	466.8	524.3	455.4	353.5	267.7	236.0
90°	40.6	43.1	60.5	112.9	209.7	333.6	375.9	312.5	236.8	169.6	149.3
92.5°	27.9	29.2	40.6	70.2	135.3	220.3	251.2	208.9	147.6	108.3	96.0
95°	20.3	21.1	28.8	47.8	87.1	138.3	155.2	132.4	96.8	71.9	64.3
97.5°	16.5	16.9	22.4	35.1	60.0	88.0	93.0	82.5	64.3	51.2	48.2
100°	14.0	14.4	18.6	27.1	42.7	57.5	58.8	55.4	45.2	38.1	36.4
102.5°	12.7	12.7	15.6	22.0	32.1	41.0	41.0	38.1	31.3	27.9	27.9
105°	11.4	11.4	13.5	18.2	25.4	31.7	31.3	27.9	23.7	21.1	21.6
107.5°	10.1	10.1	11.8	14.8	20.7	24.9	24.1	20.7	18.2	16.5	16.9



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	9.3	9.3	10.6	12.7	17.3	20.7	19.5	16.1	13.5	13.5	14.0
112.5°	8.5	8.5	9.3	11.4	14.8	16.9	15.6	12.7	11.0	11.0	11.4
115°	7.6	7.6	8.5	10.1	13.1	14.4	13.1	10.1	8.9	9.3	10.1
117.5°	7.2	7.2	8.0	9.3	11.4	12.3	11.0	8.5	7.6	8.5	8.9
120°	6.8	6.8	7.6	8.9	10.6	11.0	9.3	7.6	6.8	7.6	8.0
122.5°	6.8	6.8	7.2	8.5	9.7	9.7	8.5	6.8	5.9	6.8	7.2
125°	6.8	6.8	7.2	8.0	8.9	8.9	7.6	5.9	5.5	6.3	6.3
127.5°	7.2	7.2	7.6	8.0	8.5	8.0	6.8	5.5	5.1	5.9	5.9
130°	7.2	7.2	7.2	7.6	7.6	7.2	5.9	5.1	5.1	5.5	5.9
132.5°	7.2	7.2	7.2	7.2	7.2	6.3	5.5	4.7	5.1	5.5	5.9
135°	6.8	6.8	6.8	6.8	6.3	5.5	4.7	3.8	4.7	5.1	5.1
137.5°	5.9	6.3	5.9	5.9	5.9	5.1	3.8	3.4	3.8	4.7	4.7
140°	5.5	5.5	5.5	5.5	5.1	4.2	3.4	2.5	3.0	3.8	3.8
142.5°	5.1	5.1	5.1	4.7	4.7	3.8	2.5	2.1	2.5	3.0	3.0
145°	4.2	4.2	4.2	4.2	3.8	3.0	2.1	1.7	2.1	2.5	2.5
147.5°	3.4	3.4	3.4	3.4	3.0	2.5	1.7	1.7	2.1	2.1	2.1
150°	2.5	3.0	3.0	3.0	2.5	2.1	1.3	1.3	1.7	2.1	2.1
152.5°	2.1	2.1	2.1	2.5	2.1	1.3	0.8	1.3	1.7	1.7	1.7
155°	1.3	1.7	1.7	1.7	1.7	1.3	0.8	1.3	1.3	1.7	1.7
157.5°	0.8	0.8	1.3	1.3	1.3	1.3	0.8	0.8	1.3	1.3	1.3
160°	0.4	0.4	0.8	1.3	1.3	1.3	0.8	0.8	1.3	1.3	1.3
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2.5°	85.8	85.4	84.6	83.7	83.3	83.3	82.5	82.0	80.8	80.8	80.3
5°	87.5	86.7	85.0	83.3	82.0	81.6	80.8	79.5	78.7	78.2	78.2
7.5°	91.3	90.1	86.7	84.6	82.9	81.6	80.8	79.5	78.7	78.2	78.2
10°	97.7	95.6	91.8	88.0	85.4	83.7	82.9	82.5	82.0	81.6	81.6
12.5°	109.9	107.0	100.6	96.0	90.9	88.4	87.5	88.4	90.5	91.3	91.8
15°	126.9	123.1	115.4	107.0	99.4	95.1	96.8	101.1	104.9	106.6	106.1
17.5°	148.0	142.1	132.8	121.4	110.8	108.7	110.4	115.0	120.5	123.1	122.6
20°	175.1	170.4	156.5	137.8	126.0	122.6	123.9	129.8	137.8	140.4	141.2
22.5°	212.3	205.5	183.9	158.1	142.5	136.2	137.4	145.0	156.0	162.0	163.2
25°	260.5	253.3	221.6	182.2	157.7	148.0	153.1	163.2	181.0	190.3	189.4
27.5°	316.3	304.0	262.6	211.8	175.5	160.3	167.9	184.4	203.0	214.8	214.0
30°	367.9	357.3	301.9	238.9	190.7	172.1	180.1	201.3	222.8	237.2	238.1
32.5°	445.3	425.8	348.0	262.2	203.0	181.8	189.4	215.2	240.2	257.5	257.1
35°	525.2	503.2	398.7	289.2	213.5	188.2	196.2	225.4	252.9	273.6	274.0
37.5°	609.3	578.5	444.0	307.0	222.0	192.0	200.0	232.6	267.7	291.3	292.2
40°	666.0	630.9	471.5	316.3	224.5	194.5	203.4	237.6	270.2	287.5	289.2
42.5°	729.4	679.9	485.9	308.7	221.6	194.1	204.2	233.8	259.2	271.5	272.7
45°	817.0	750.6	501.5	296.8	213.5	192.8	200.9	223.7	240.2	244.8	244.8
47.5°	930.7	836.4	527.7	284.2	205.1	189.0	194.9	209.7	216.1	215.2	213.1
50°	1067.3	958.2	559.4	273.2	197.0	184.4	188.2	196.6	198.7	196.2	194.9
52.5°	1203.4	1056.3	581.4	263.4	192.0	180.1	182.7	189.0	189.0	181.4	180.1
55°	1328.2	1145.1	575.5	244.8	188.2	178.0	180.6	185.2	181.4	172.5	170.8
57.5°	1529.9	1298.6	590.7	226.6	182.7	177.6	181.0	183.9	178.4	170.0	168.3
60°	1565.8	1292.2	554.8	215.2	178.9	178.9	182.7	186.1	182.2	174.6	174.2
62.5°	1615.7	1298.2	500.2	198.7	176.3	179.7	186.5	191.6	191.1	185.6	184.8
64°	1650.8	1306.6	480.8	191.1	174.2	179.7	189.4	197.0	197.0	190.7	190.7
65°	1616.1	1274.5	466.4	187.3	172.1	179.7	191.1	200.4	199.6	194.5	193.7
67.5°	1511.3	1170.0	405.5	178.9	167.4	179.7	195.8	205.9	207.2	203.0	201.3
70°	1383.2	1055.9	352.7	169.1	162.8	177.6	195.8	209.3	211.4	206.8	205.5
72.5°	1127.3	849.1	290.9	158.6	156.0	172.5	193.2	207.6	209.7	204.2	202.5
75°	945.1	693.5	241.0	148.4	148.8	166.2	186.9	200.0	200.0	194.1	191.6
77.5°	778.5	559.9	199.6	138.7	140.4	158.1	175.5	183.9	181.4	175.9	172.5
80°	583.1	422.9	164.5	128.1	129.8	145.0	159.4	165.3	162.8	156.0	155.2
82.5°	426.7	304.0	140.4	117.1	118.4	130.7	141.2	146.3	148.4	142.9	141.2
85°	280.4	214.4	120.5	106.1	107.0	116.3	123.1	127.3	131.9	130.2	129.4
87.5°	183.1	148.4	101.9	93.5	94.3	101.9	106.6	110.8	120.1	121.4	119.7
90°	123.1	104.0	84.1	80.8	82.0	88.4	90.9	95.1	105.3	107.0	107.0
92.5°	82.5	74.4	68.1	68.1	70.2	75.7	76.1	77.4	85.8	88.0	87.1
95°	57.9	55.4	55.0	55.8	58.4	62.6	60.5	59.6	65.1	65.5	64.7
97.5°	44.4	43.6	44.4	45.7	46.9	51.2	49.1	46.9	49.5	48.6	49.5
100°	35.5	35.1	36.4	36.4	37.6	41.4	39.7	38.5	38.9	37.2	37.2
102.5°	28.3	28.3	29.6	30.0	30.9	33.8	33.4	32.1	31.3	29.6	30.0
105°	22.0	22.4	24.1	24.5	25.8	28.3	27.9	26.2	25.4	23.3	23.7
107.5°	17.8	18.6	19.9	20.3	21.6	23.7	22.8	21.1	19.9	19.0	19.0



REPORT NUMBER: P414751

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.8	15.2	16.5	16.9	18.2	19.9	19.5	17.3	15.6	15.2	15.6
112.5°	12.3	13.1	14.0	14.4	15.6	16.9	15.6	14.0	12.7	13.1	13.1
115°	10.6	11.0	11.8	12.3	13.1	14.4	13.1	11.4	10.6	11.0	11.4
117.5°	9.7	10.1	10.6	10.6	11.4	12.3	11.0	9.7	9.3	9.7	10.1
120°	8.5	8.9	9.3	9.7	10.1	10.6	9.7	8.5	8.0	8.9	8.9
122.5°	7.6	8.0	8.0	8.5	8.9	9.3	8.5	7.6	7.2	7.6	8.0
125°	6.8	7.2	7.6	7.6	8.0	8.0	7.6	6.8	6.8	7.2	7.2
127.5°	6.3	6.8	6.8	7.2	7.2	7.2	6.8	5.9	6.3	6.8	6.8
130°	6.3	6.3	6.3	6.3	6.3	6.3	5.9	5.5	5.9	6.3	6.3
132.5°	5.9	5.9	5.9	5.9	5.9	5.5	5.1	5.1	5.5	5.9	5.9
135°	5.5	5.5	5.1	5.1	5.1	5.1	4.7	4.7	4.7	5.1	5.1
137.5°	4.7	4.7	4.2	4.2	4.2	4.2	3.8	3.8	4.2	4.7	4.7
140°	3.8	3.8	3.4	3.4	3.4	3.4	3.4	3.4	3.8	3.8	4.2
142.5°	3.0	3.0	3.0	2.5	2.5	3.0	3.0	3.0	3.4	3.4	3.4
145°	2.5	2.5	2.5	2.1	2.1	2.5	2.5	2.5	3.0	3.0	3.0
147.5°	2.1	2.1	2.1	1.7	1.3	2.1	2.1	2.1	2.5	2.1	2.1
150°	2.1	2.1	1.7	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.3	0.8	0.8	1.3	1.7	1.3	1.3	1.3
155°	1.7	1.7	1.3	1.3	0.8	0.4	0.8	1.3	0.8	0.8	0.8
157.5°	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4	0.4
160°	1.3	1.3	0.8	0.8	0.4	0.4	0.8	0.8	0.4	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)