

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: P415415

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-727-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5102 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 54  
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

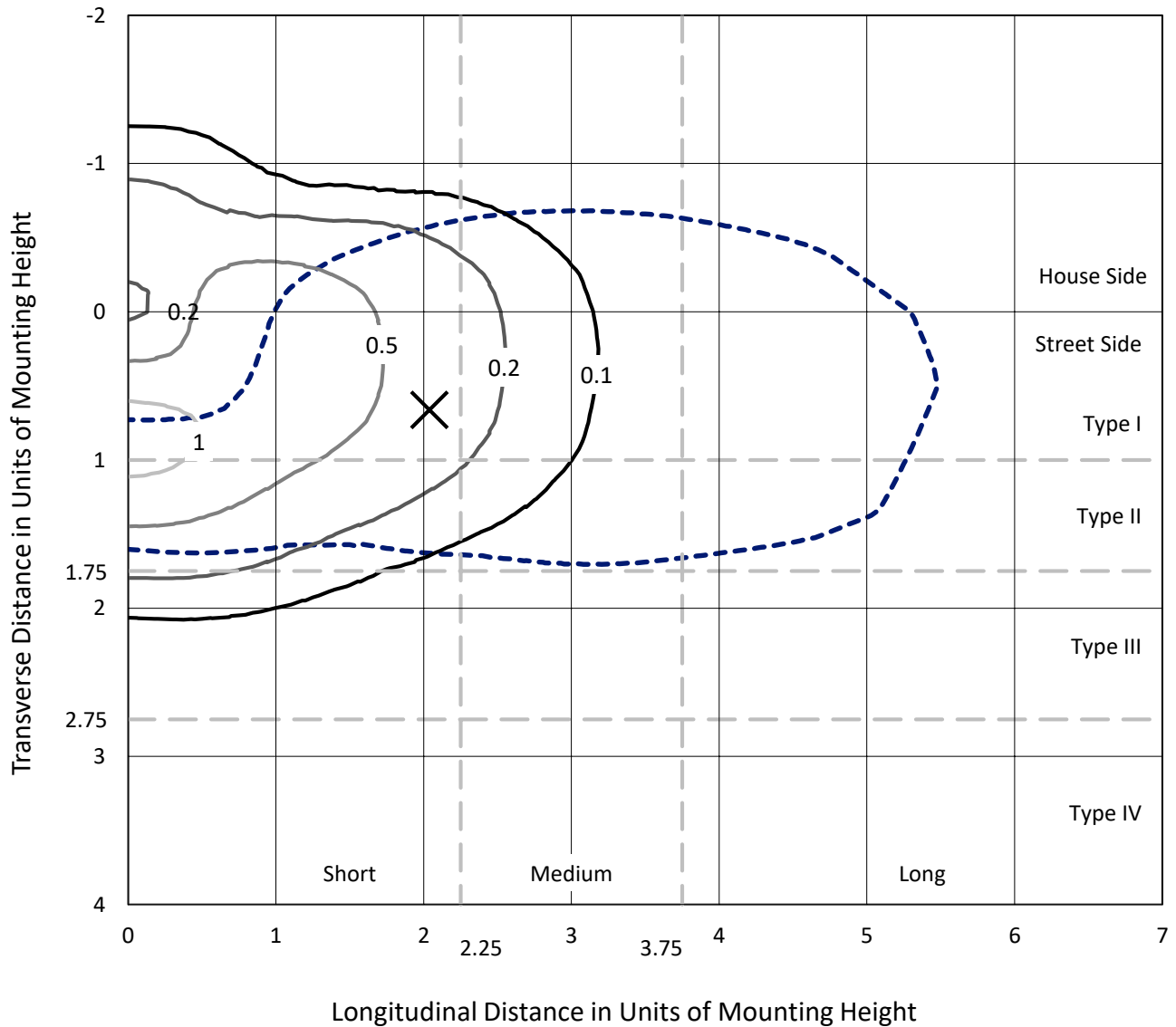


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

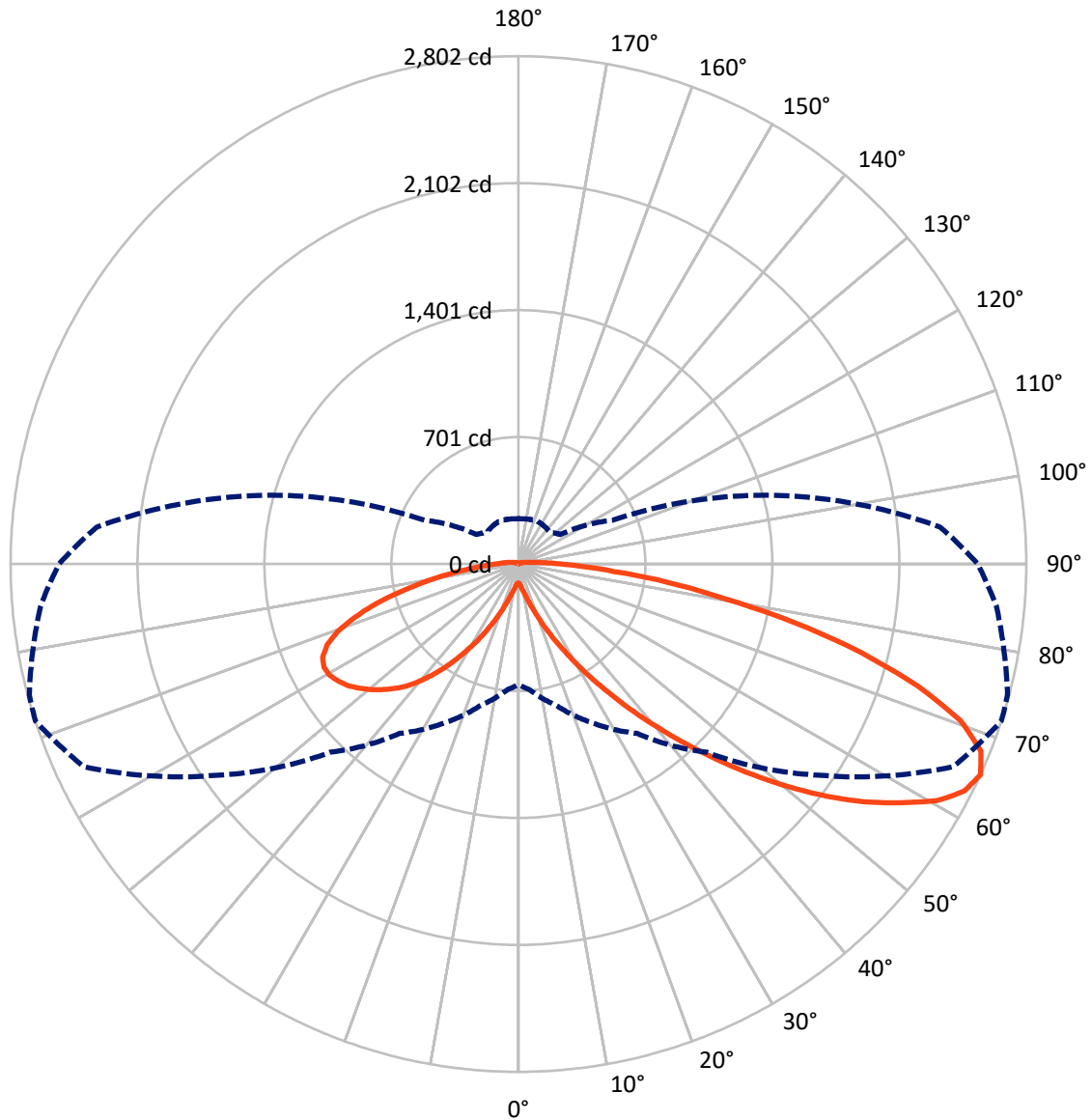


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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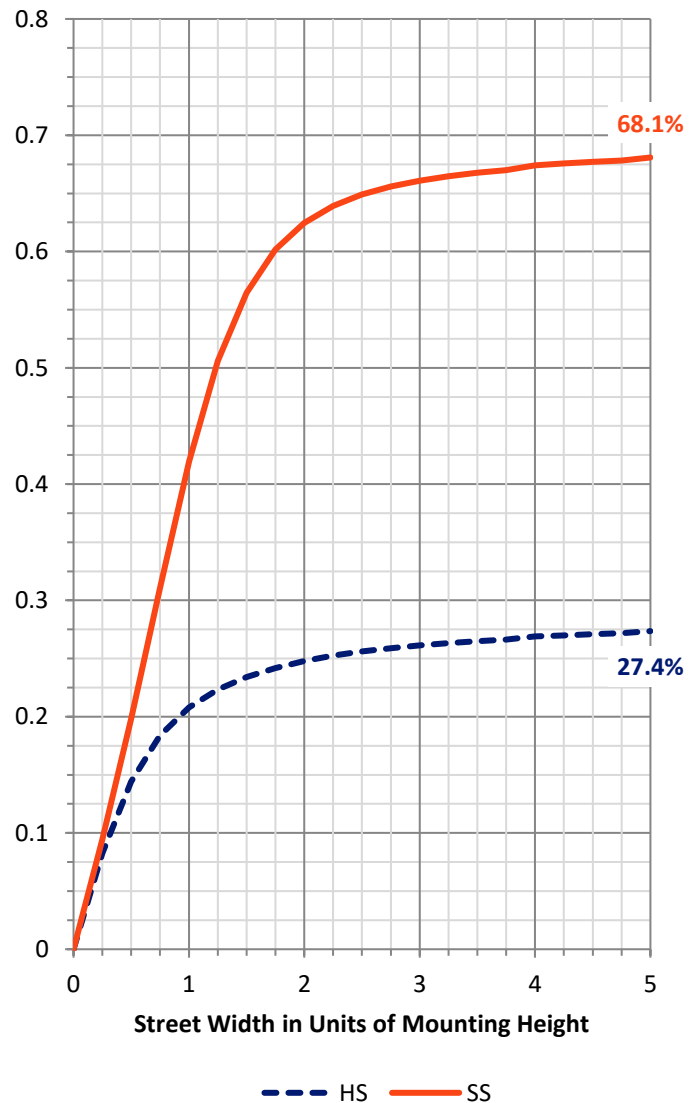
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1438.5	72.4	1510.9
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	3520.6	70.6	3591.1
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	4959.0	143.0	5102.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	61.7	1.2
20°-30°	195.5	3.8
30°-40°	468.5	9.2
40°-50°	865.0	17.0
50°-60°	1178.6	23.1
60°-70°	1149.2	22.5
70°-80°	750.5	14.7
80°-90°	278.0	5.4
90°-100°	77.3	1.5
100°-110°	32.4	0.6
110°-120°	16.3	0.3
120°-130°	9.2	0.2
130°-140°	5.2	0.1
140°-150°	2.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4959.0	97.2
0°-180°	5102.0	100.0



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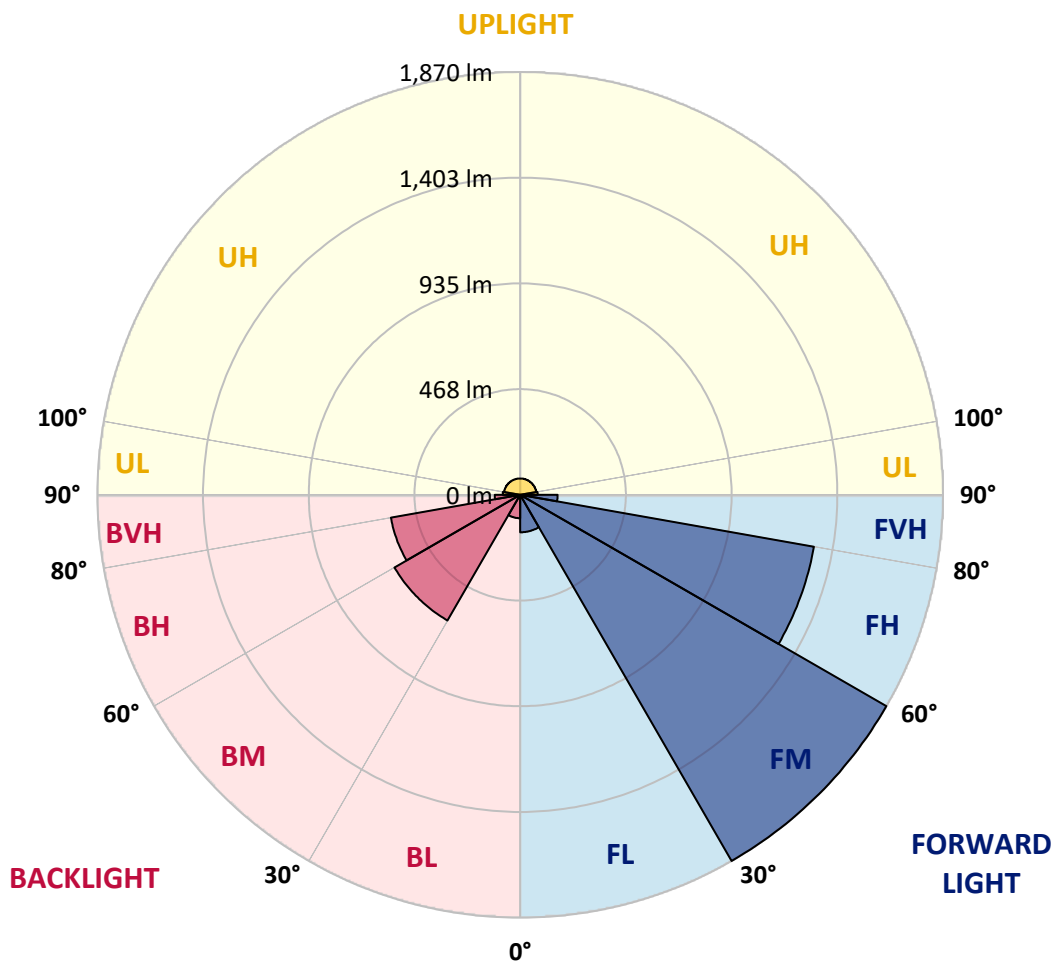
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.7	3.2			
FM	(30°-60°)	1870.1	36.7			
FH	(60°-80°)	1319.2	25.9			G1/1800
FVH	(80°-90°)	165.5	3.2			G2/225
BL	(0°-30°)	103.6	2.0	B0/110		
BM	(30°-60°)	642.0	12.6	B1/1000		
BH	(60°-80°)	580.4	11.4	B2/1000		G2/1000
BVH	(80°-90°)	112.5	2.2			G2/225
UL	(90°-100°)	77.3	1.5		U3/500	
UH	(100°-180°)	72.4	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
2.5°	117.5	116.9	115.7	115.1	115.1	114.0	112.8	111.0	109.8	109.2	108.1
5°	132.9	131.7	130.5	129.3	128.1	126.4	123.4	121.6	119.3	118.7	116.3
7.5°	154.7	153.5	150.0	148.8	147.0	144.7	141.1	137.6	135.2	133.5	129.9
10°	183.6	182.5	180.1	177.2	173.6	168.9	163.0	159.4	153.5	154.7	149.4
12.5°	223.2	220.3	217.3	212.6	205.5	200.2	191.9	188.4	181.9	181.9	175.4
15°	271.0	270.5	264.5	254.5	248.0	236.8	229.7	222.0	217.9	217.9	212.6
17.5°	333.0	328.9	324.2	310.6	295.8	282.3	272.8	267.5	262.8	261.6	254.5
20°	409.8	403.9	396.8	372.6	354.9	338.4	324.8	320.6	317.1	316.5	310.6
22.5°	507.2	494.8	481.9	458.2	429.9	401.0	391.5	382.1	382.6	383.8	370.2
25°	615.3	611.8	588.7	555.1	517.9	486.0	460.0	456.5	460.0	457.6	452.3
27.5°	754.1	742.3	713.3	670.2	611.2	574.0	546.2	543.9	544.4	547.4	538.5
30°	915.9	910.0	873.4	801.3	725.1	675.5	645.4	641.3	648.4	649.0	635.4
32.5°	1106.6	1094.8	1038.7	958.4	854.5	791.3	757.0	755.9	763.5	765.3	754.7
35°	1299.7	1293.8	1238.3	1123.1	1009.2	913.5	878.7	881.0	886.4	897.0	884.6
37.5°	1522.3	1506.4	1434.9	1313.3	1169.2	1054.6	1017.4	1025.7	1034.0	1034.0	1016.9
40°	1732.6	1726.6	1651.7	1498.7	1326.3	1220.0	1179.2	1184.0	1183.4	1184.0	1161.5
42.5°	1927.4	1907.3	1841.2	1678.8	1501.1	1393.0	1344.0	1351.7	1358.8	1364.1	1307.4
45°	2059.1	2042.0	1983.5	1823.5	1666.4	1564.3	1532.4	1532.4	1540.6	1538.3	1482.2
47.5°	2105.8	2103.4	2059.7	1938.1	1794.0	1714.8	1716.6	1723.1	1735.5	1724.3	1644.0
50°	2083.9	2074.5	2066.8	1998.9	1899.7	1861.9	1897.3	1930.4	1931.6	1911.5	1809.3
52.5°	1946.9	1948.1	1987.1	1974.7	1929.2	1967.6	2075.6	2134.1	2128.8	2109.3	1986.5
55°	1738.5	1747.9	1815.8	1867.8	1895.5	2001.8	2207.9	2329.0	2317.2	2290.0	2165.4
57.5°	1460.9	1491.6	1582.6	1695.9	1795.1	1969.9	2280.0	2497.9	2485.5	2485.5	2343.7
60°	1165.7	1190.5	1324.5	1462.7	1619.2	1862.5	2287.0	2621.9	2652.0	2633.1	2470.1
62.5°	904.1	914.7	1053.5	1227.7	1395.4	1681.8	2205.6	2680.9	2760.6	2744.7	2583.5
65°	665.5	695.6	807.8	967.3	1140.9	1468.6	2031.4	2646.1	2802.0	2793.7	2646.1
67.5°	494.8	508.4	602.3	749.9	921.8	1203.5	1777.4	2493.7	2752.4	2759.4	2636.6
70°	370.8	374.4	447.6	569.3	715.7	949.5	1481.6	2250.4	2587.6	2619.5	2552.2
72.5°	280.5	287.0	347.8	443.5	552.1	731.1	1171.0	1919.7	2306.5	2385.7	2360.3
75°	219.7	227.3	269.3	343.1	426.9	553.3	886.4	1528.8	1954.0	2056.2	2084.5
77.5°	173.6	181.9	217.3	274.0	333.0	426.9	651.3	1143.8	1560.7	1662.9	1745.5
80°	136.4	142.3	173.6	215.5	262.2	315.3	456.5	831.4	1146.2	1273.7	1349.3
82.5°	103.9	110.4	134.6	170.1	205.5	240.9	326.0	565.7	831.4	889.3	1018.0
85°	75.6	81.5	101.6	130.5	158.3	186.6	238.6	377.3	529.7	598.8	663.7
87.5°	55.5	57.9	75.6	96.8	121.6	141.1	171.8	240.9	336.6	370.8	425.2
90°	39.0	41.3	55.5	71.5	92.1	110.4	126.4	159.4	209.6	240.3	250.4
92.5°	28.9	30.7	41.3	53.7	70.9	85.6	95.7	112.8	136.4	149.4	157.7
95°	21.8	23.6	32.5	42.5	54.9	67.3	75.0	81.5	95.1	98.6	105.7
97.5°	17.7	18.9	26.6	34.8	44.3	55.5	59.6	63.2	67.9	71.5	74.4
100°	15.4	15.9	22.4	29.5	37.8	44.9	48.4	50.2	53.1	54.3	55.5
102.5°	13.6	13.6	19.5	25.4	32.5	37.8	40.7	40.7	41.3	41.9	41.3
105°	11.8	12.4	17.1	22.4	27.8	32.5	34.8	33.7	33.1	32.5	30.7
107.5°	11.2	11.2	15.4	20.1	24.8	28.3	30.1	27.8	26.6	25.4	23.6
110°	10.0	10.6	13.6	17.7	21.8	24.8	26.0	23.6	21.3	20.1	18.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.4	10.0	12.4	15.9	19.5	22.4	22.4	20.1	17.1	15.9	14.8
115°	9.4	9.4	11.2	14.2	17.7	20.1	20.1	17.1	14.2	13.0	12.4
117.5°	9.4	9.4	10.6	13.0	15.9	17.7	17.7	14.8	11.8	10.6	10.6
120°	8.9	8.9	10.0	11.8	14.8	15.9	15.4	13.0	10.0	9.4	9.4
122.5°	8.9	8.9	9.4	11.2	13.6	14.8	14.2	11.2	8.9	7.7	8.3
125°	9.4	8.9	9.4	10.6	12.4	13.0	12.4	9.4	7.7	7.1	7.7
127.5°	9.4	9.4	8.9	10.0	11.2	11.8	11.2	8.3	6.5	6.5	7.1
130°	9.4	9.4	8.9	9.4	10.0	10.6	9.4	7.1	5.9	5.9	6.5
132.5°	9.4	9.4	8.9	8.9	9.4	9.4	8.3	5.9	5.3	5.3	5.9
135°	9.4	9.4	8.3	8.3	8.3	8.3	7.1	5.3	4.7	4.7	5.3
137.5°	8.9	8.9	8.3	7.7	7.7	7.1	5.9	4.1	3.5	4.1	4.7
140°	8.3	8.3	7.7	6.5	6.5	5.9	4.7	3.5	3.0	3.5	3.5
142.5°	7.7	7.7	7.1	5.9	5.3	4.7	4.1	2.4	2.4	2.4	3.0
145°	7.1	7.1	6.5	4.7	4.1	3.5	3.0	1.8	1.8	1.8	2.4
147.5°	5.9	5.9	5.3	4.1	3.0	3.0	1.8	1.2	1.8	1.8	1.8
150°	4.7	4.7	4.1	3.0	2.4	1.8	0.6	1.2	1.2	1.2	1.8
152.5°	4.1	4.1	3.0	2.4	1.2	0.6	0.6	0.6	1.2	1.2	1.2
155°	3.0	3.0	2.4	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
2.5°	106.9	106.9	106.3	105.7	105.1	104.5	103.3	102.7	102.7	102.2	102.2
5°	115.1	114.6	112.8	111.0	108.7	107.5	105.7	104.5	103.9	103.3	103.3
7.5°	128.1	127.0	123.4	120.5	117.5	115.1	112.2	110.4	109.8	108.1	108.7
10°	146.4	144.7	140.5	135.2	129.9	126.4	122.2	119.9	118.7	117.5	116.3
12.5°	173.0	169.5	162.4	155.3	147.6	140.5	136.4	134.6	135.8	135.2	135.8
15°	209.6	203.1	192.5	181.9	168.3	159.4	158.3	157.7	157.7	158.3	159.4
17.5°	251.0	243.9	230.3	210.8	194.9	186.0	180.7	180.1	183.1	183.6	183.1
20°	305.3	298.2	276.9	250.4	227.3	213.2	206.1	206.1	210.2	211.4	213.8
22.5°	363.8	359.6	330.7	294.1	263.4	240.3	230.3	231.5	237.4	239.2	240.3
25°	445.2	428.7	393.3	343.1	298.8	268.1	254.5	255.1	261.6	266.3	268.1
27.5°	535.0	516.1	464.1	398.6	334.2	291.1	275.8	276.4	284.0	289.9	291.1
30°	631.3	612.4	544.4	453.5	367.3	311.8	291.1	291.7	300.6	307.1	308.2
32.5°	734.0	718.6	623.6	512.6	396.2	326.0	301.2	301.8	309.4	315.3	316.5
35°	863.9	829.1	717.5	565.1	420.4	334.8	305.9	305.3	313.0	318.9	320.1
37.5°	992.1	954.9	806.6	614.1	434.6	337.2	304.7	304.7	310.6	315.3	315.9
40°	1131.4	1069.4	900.5	652.5	439.9	333.6	301.2	300.6	305.3	307.7	308.2
42.5°	1281.4	1205.2	992.6	683.2	437.6	326.0	294.7	295.3	297.0	297.0	296.4
45°	1416.6	1339.3	1071.8	703.3	429.3	315.9	287.0	287.6	288.2	283.4	283.4
47.5°	1575.5	1481.6	1146.2	708.0	412.8	305.9	281.1	282.3	279.3	272.8	271.6
50°	1726.1	1621.5	1221.2	706.2	395.6	295.3	275.2	276.4	271.0	262.2	260.4
52.5°	1893.8	1759.7	1292.0	697.4	375.0	285.8	271.0	272.2	266.3	255.7	253.9
55°	2059.1	1906.2	1357.0	682.0	357.3	275.8	266.9	269.9	262.2	251.6	251.0
57.5°	2216.8	2051.4	1410.7	659.6	338.4	268.7	264.0	267.5	260.4	249.8	249.2
60°	2357.3	2174.8	1453.8	637.7	317.7	261.6	261.0	265.7	259.2	250.4	249.8
62.5°	2455.9	2285.9	1473.3	608.2	301.2	253.9	257.5	262.2	257.5	250.4	250.4
65°	2534.5	2335.5	1465.6	569.3	283.4	245.7	252.7	257.5	254.5	249.8	250.4
67.5°	2519.7	2334.3	1415.5	522.6	266.9	236.8	244.5	251.0	248.6	246.8	246.2
70°	2428.8	2223.9	1319.2	471.8	249.8	225.6	234.4	240.9	240.3	239.7	239.7
72.5°	2241.6	2032.5	1175.1	413.4	232.1	213.8	221.4	227.3	228.5	227.9	226.2
75°	1997.1	1769.2	1008.0	358.4	213.8	199.6	207.9	211.4	213.2	212.0	212.0
77.5°	1638.7	1475.1	801.3	302.9	194.3	183.6	189.6	192.5	194.9	191.9	190.1
80°	1302.1	1122.0	616.5	247.4	173.0	165.9	168.9	170.1	172.4	169.5	165.9
82.5°	914.1	799.5	447.0	202.0	151.8	145.9	147.6	147.0	148.2	144.1	139.4
85°	610.6	537.4	307.7	162.4	129.9	124.6	124.6	122.8	121.6	117.5	114.0
87.5°	383.2	340.1	211.4	128.1	109.2	105.1	102.7	99.2	98.0	95.1	90.9
90°	236.2	217.3	147.6	102.7	90.9	87.4	85.0	79.7	79.1	74.4	71.5
92.5°	154.7	141.7	109.2	83.3	76.2	72.6	69.7	65.0	64.4	60.8	59.1
95°	102.2	99.2	83.3	69.7	64.4	61.4	58.5	54.3	53.1	49.6	47.2
97.5°	75.0	75.0	68.5	59.1	54.9	52.0	50.2	46.7	44.3	40.7	39.6
100°	56.7	57.3	54.9	50.8	47.2	44.3	42.5	39.6	37.8	34.2	33.7
102.5°	43.7	44.9	45.5	43.1	40.7	38.4	36.6	34.2	31.9	28.3	27.8
105°	33.7	34.8	37.2	36.6	35.4	33.7	31.9	29.5	26.6	23.6	23.6
107.5°	26.0	27.2	30.7	31.3	30.7	28.9	27.8	25.4	23.0	20.1	20.1
110°	20.1	21.8	25.4	26.6	26.6	25.4	24.2	21.8	18.9	17.1	17.1



REPORT NUMBER: P415415

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	18.3	21.3	23.0	23.0	22.4	20.7	18.3	15.9	14.8	14.8
115°	13.6	15.4	18.3	20.1	20.1	19.5	18.3	15.9	13.6	13.0	13.0
117.5°	11.8	13.0	15.4	17.1	17.7	17.1	15.9	13.6	11.8	11.8	11.8
120°	10.6	11.8	13.6	14.8	15.4	14.8	13.6	11.8	10.0	10.6	10.6
122.5°	9.4	10.0	11.8	13.6	13.6	13.6	12.4	10.0	8.9	9.4	9.4
125°	8.3	9.4	10.6	11.8	12.4	11.8	10.6	8.9	7.7	8.3	8.9
127.5°	7.7	8.3	9.4	10.6	10.6	10.6	9.4	7.7	7.1	7.7	7.7
130°	7.1	7.7	8.3	9.4	9.4	9.4	8.3	6.5	6.5	7.1	7.1
132.5°	6.5	7.1	7.7	8.3	8.3	8.3	7.1	5.9	5.3	6.5	6.5
135°	5.9	5.9	6.5	7.1	7.1	7.1	5.9	4.7	4.7	5.9	5.9
137.5°	4.7	5.3	5.9	5.9	5.9	5.9	4.7	4.1	4.1	4.7	4.7
140°	4.1	4.1	4.7	4.7	4.7	4.7	4.1	3.0	3.5	4.1	4.1
142.5°	3.5	3.5	4.1	4.1	4.1	3.5	3.0	2.4	3.0	3.5	3.5
145°	2.4	3.0	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.0	3.0
147.5°	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2	1.8	2.4	2.4
150°	1.8	1.8	2.4	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8
152.5°	1.2	1.2	1.8	1.8	1.2	0.6	0.0	0.0	0.6	0.6	0.6
155°	1.2	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.6	0.6	0.6	0.6	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)