

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: P415107

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-740-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4939 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

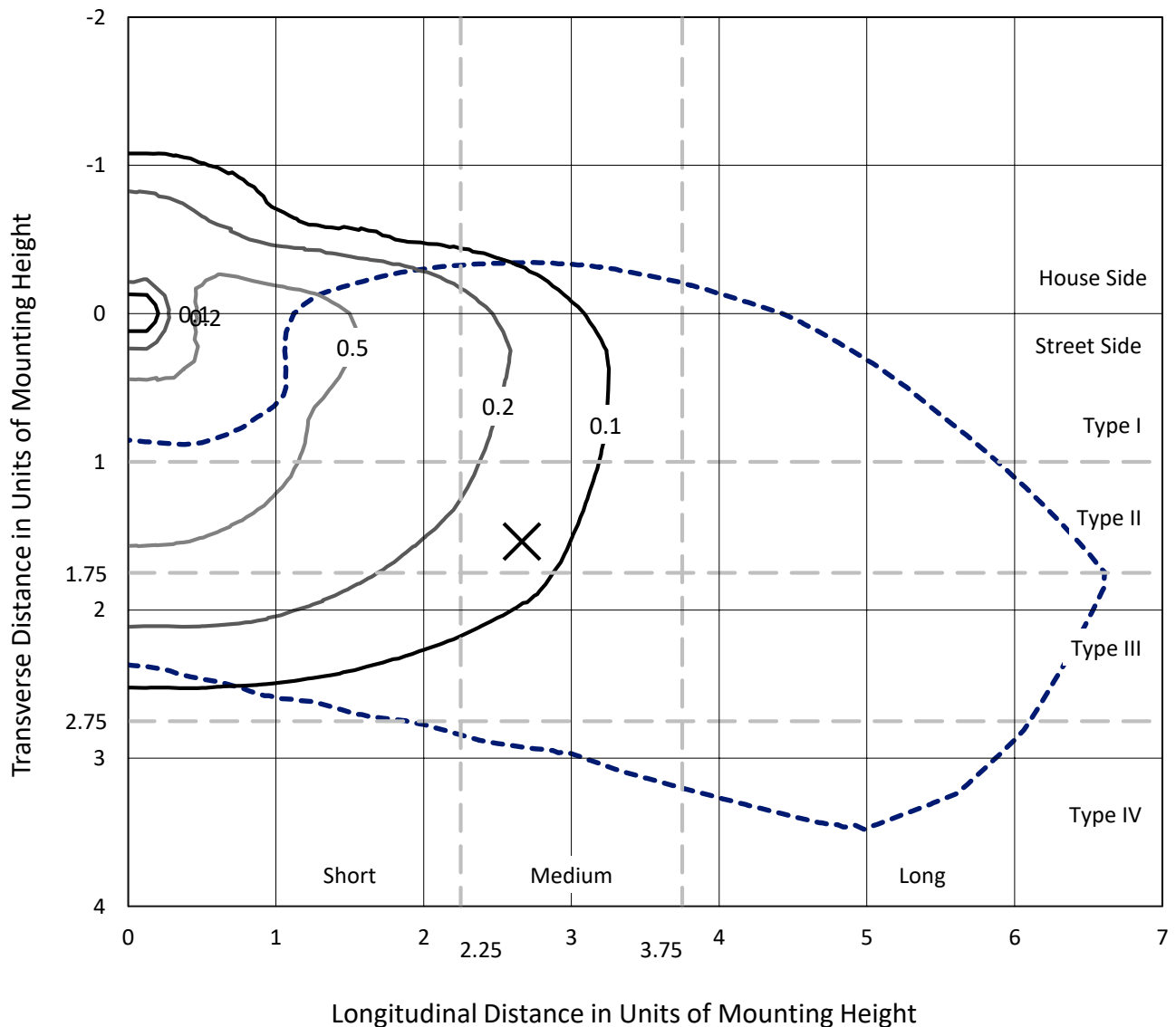
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415107  
 CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

### Iso-Footcandle Lines of Horizontal Illumination

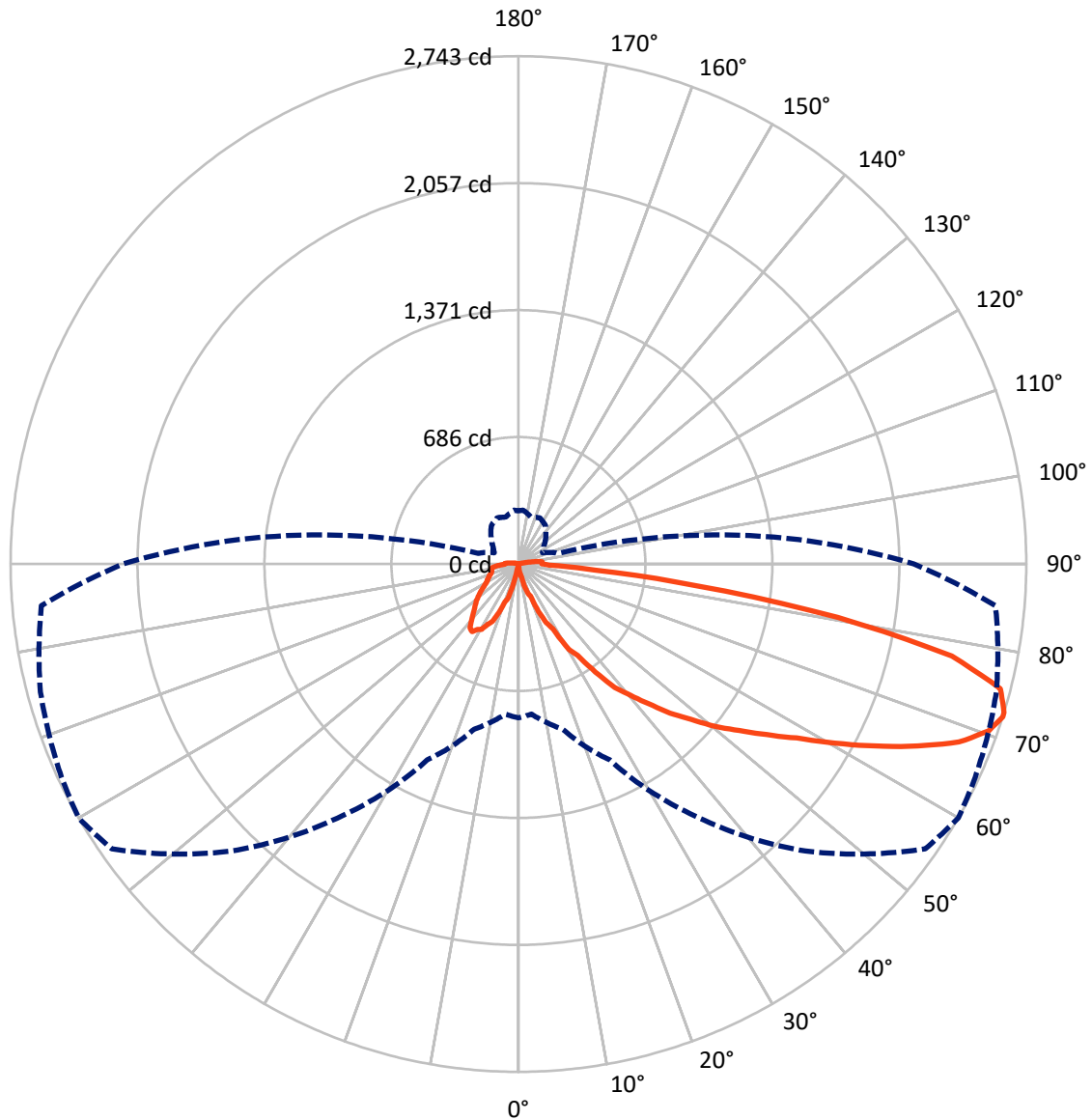
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415107  
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



REPORT NUMBER: P415107

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1079.4	52.7	1132.1
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	3760.6	46.2	3806.9
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	4840.1	98.9	4939.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	40.4	0.8
20°-30°	168.4	3.4
30°-40°	389.0	7.9
40°-50°	683.0	13.8
50°-60°	1032.4	20.9
60°-70°	1272.9	25.8
70°-80°	982.8	19.9
80°-90°	268.5	5.4
90°-100°	72.9	1.5
100°-110°	12.6	0.3
110°-120°	4.9	0.1
120°-130°	3.5	0.1
130°-140°	2.3	0.0
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4840.1	98.0
0°-180°	4939.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415107

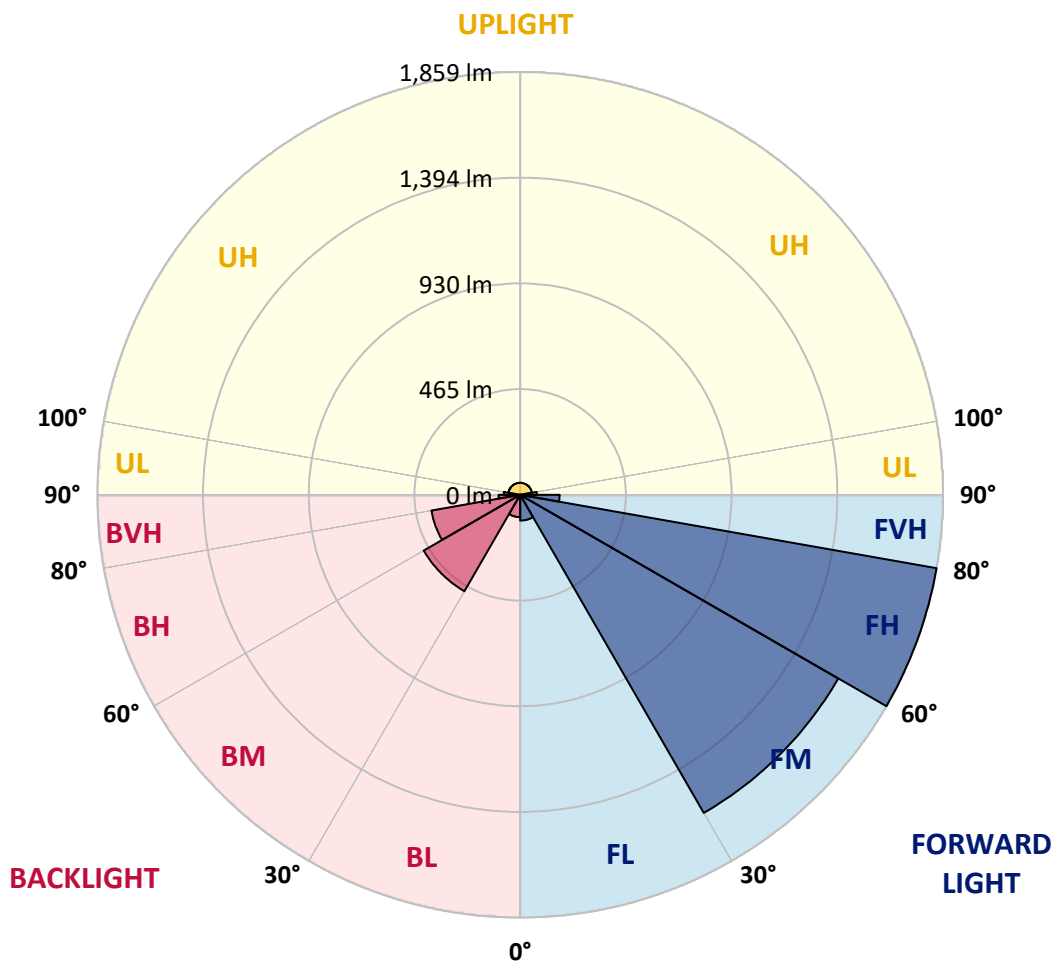
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.4	2.3			
FM	(30°-60°)	1614.8	32.7			
FH	(60°-80°)	1859.0	37.6			G2/5000
FVH	(80°-90°)	173.4	3.5			G2/225
BL	(0°-30°)	98.1	2.0	B0/110		
BM	(30°-60°)	489.6	9.9	B1/1000		
BH	(60°-80°)	396.6	8.0	B1/500		G1/500
BVH	(80°-90°)	95.1	1.9			G1/100
UL	(90°-100°)	72.9	1.5		U3/500	
UH	(100°-180°)	52.7	1.1		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





REPORT NUMBER: P415107

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	6.6	6.0	5.5	5.5	6.0	5.5	4.9	4.4	3.8	3.8	3.3
5°	61.3	59.7	59.1	47.6	21.9	17.0	7.7	6.0	4.9	3.8	3.3
7.5°	67.9	67.3	66.8	66.8	65.7	62.4	35.6	17.5	9.9	4.9	4.4
10°	77.7	76.7	73.4	71.7	70.1	69.0	64.1	60.8	27.4	8.2	7.1
12.5°	138.5	136.3	133.0	98.6	84.3	74.5	72.8	70.1	60.8	25.2	50.9
15°	148.9	148.4	146.2	144.5	140.2	93.1	112.8	128.7	145.6	118.8	132.5
17.5°	187.2	181.8	167.5	159.3	156.6	170.8	163.2	165.9	165.9	159.9	151.7
20°	279.8	275.9	268.8	237.1	178.5	220.1	215.7	183.4	188.9	233.8	271.6
22.5°	337.3	333.4	318.7	298.4	294.6	244.7	254.6	278.1	284.7	328.0	327.4
25°	457.7	450.6	418.8	359.2	366.8	315.9	355.3	349.9	332.9	361.4	371.2
27.5°	559.0	553.0	537.7	507.5	425.4	441.8	404.1	396.9	442.4	522.3	520.7
30°	670.7	637.9	596.8	587.5	526.7	501.0	510.8	534.4	551.3	559.0	578.2
32.5°	813.6	809.8	779.1	658.1	638.9	572.7	619.8	587.5	600.6	711.2	776.9
35°	912.7	922.6	868.4	796.1	705.2	703.6	683.8	716.1	779.1	794.4	839.9
37.5°	1143.8	1146.5	1097.8	891.4	832.2	775.3	836.6	845.4	862.9	889.2	927.5
40°	1317.9	1293.2	1233.0	1079.7	951.0	889.2	933.0	931.9	970.2	1018.4	1042.5
42.5°	1532.5	1505.1	1397.3	1223.7	1103.2	1034.8	1039.2	1029.9	1061.6	1137.7	1152.5
45°	1712.6	1700.6	1617.4	1434.5	1271.3	1189.2	1159.6	1148.1	1164.0	1259.8	1268.0
47.5°	1882.9	1850.6	1796.4	1611.3	1515.5	1366.0	1281.2	1253.8	1258.7	1367.7	1391.8
50°	2063.0	2008.8	1942.0	1779.4	1709.9	1588.3	1420.8	1378.1	1379.7	1480.5	1521.5
52.5°	2169.8	2083.8	2040.6	1905.9	1835.8	1775.0	1567.0	1493.1	1500.7	1596.0	1658.4
55°	2103.5	2077.8	2078.9	1998.4	1946.4	1875.2	1708.8	1626.1	1634.9	1746.6	1824.9
57.5°	1991.9	2011.6	2081.1	2077.8	2048.8	1979.3	1850.0	1772.8	1823.2	1916.8	1999.5
60°	1905.9	1928.3	2041.1	2099.2	2153.4	2102.5	1996.2	1962.8	2009.9	2091.5	2190.6
62.5°	1762.4	1780.5	1935.5	2088.8	2150.6	2207.6	2135.3	2165.4	2208.7	2277.7	2398.1
65°	1566.4	1562.1	1754.8	1993.5	2132.6	2266.2	2314.3	2369.6	2409.1	2483.0	2592.5
67.5°	1334.8	1356.7	1518.8	1788.2	2061.9	2295.7	2464.9	2566.2	2590.8	2619.3	2698.1
70°	1090.1	1089.0	1230.8	1517.2	1910.3	2279.3	2607.8	2695.4	2696.0	2679.0	2702.5
72°	831.1	813.6	923.1	1167.3	1659.0	2191.2	2681.2	2742.5	2722.2	2671.9	2585.9
72.5°	713.4	729.3	832.2	1099.4	1546.2	2147.3	2688.8	2741.9	2720.0	2664.7	2550.9
75°	361.9	338.9	397.5	589.1	1066.6	1735.1	2633.5	2688.3	2627.0	2558.0	2236.6
77.5°	141.8	145.6	168.6	254.6	519.0	1142.7	2273.3	2392.6	2353.2	2304.5	1764.1
80°	99.6	99.6	112.8	145.1	266.1	464.3	1575.2	1748.8	1809.5	1833.6	1179.9
82.5°	72.3	73.4	86.0	101.3	190.0	222.8	773.6	971.8	1067.7	1157.4	659.8
85°	67.3	67.3	69.0	67.9	135.8	158.8	281.4	415.0	479.6	562.3	266.6
87.5°	31.8	34.5	50.9	40.5	66.8	98.0	153.3	166.4	170.3	193.3	191.6
90°	20.8	20.8	17.0	17.5	32.9	79.4	123.2	125.9	121.0	141.8	178.5
92.5°	21.4	21.9	15.9	16.4	25.7	72.8	126.5	128.7	124.8	148.9	189.4
95°	19.7	19.7	13.7	14.2	20.3	55.8	126.5	128.7	117.7	148.4	189.4
97.5°	16.4	17.0	11.0	11.5	15.9	27.4	87.6	94.2	75.0	75.6	92.5
100°	14.2	14.2	8.8	9.3	11.5	12.6	44.3	46.5	41.6	18.6	12.6
102.5°	14.2	14.2	7.7	7.7	7.7	7.1	13.7	23.0	19.2	11.0	12.0
105°	13.7	14.2	7.1	6.0	6.0	5.5	7.1	8.8	8.8	8.8	12.6
107.5°	11.0	11.5	5.5	5.5	4.9	4.9	3.8	3.8	5.5	8.2	13.7



REPORT NUMBER: P415107

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.8	8.8	4.4	4.9	3.8	4.4	3.3	3.3	4.9	6.0	10.4
112.5°	4.9	4.9	3.3	3.8	3.3	3.8	3.3	3.3	3.8	4.9	6.6
115°	4.4	4.4	2.7	2.7	2.7	2.7	2.7	2.7	3.3	4.4	7.1
117.5°	4.4	4.4	2.7	2.7	2.7	2.2	2.2	2.7	2.7	4.4	7.1
120°	4.4	4.4	2.7	2.7	2.2	2.2	2.2	2.7	2.7	4.4	7.1
122.5°	4.9	4.4	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.8	7.1
125°	4.9	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.7	3.8	6.0
127.5°	4.9	4.9	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	5.5
130°	4.9	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.9
132.5°	4.4	4.4	3.3	2.2	2.7	2.2	2.2	2.2	2.2	2.7	3.8
135°	3.8	3.8	2.7	2.7	2.7	2.2	2.2	2.2	2.2	2.2	3.3
137.5°	3.8	3.8	3.3	2.7	2.7	2.7	2.2	2.2	2.2	2.2	2.7
140°	3.8	3.8	3.3	3.3	3.3	2.7	2.2	2.2	2.2	2.7	2.7
142.5°	4.4	4.4	3.8	3.3	3.3	2.7	2.2	2.2	2.7	2.7	2.7
145°	4.9	4.9	4.4	3.8	3.3	2.2	2.2	2.7	2.7	2.7	3.3
147.5°	4.9	4.9	4.4	3.3	2.7	2.2	2.2	2.7	2.7	3.3	3.3
150°	4.4	4.4	3.8	2.7	2.2	1.6	2.2	2.2	2.7	3.3	3.3
152.5°	3.3	3.3	2.7	2.2	1.6	1.1	1.6	2.2	2.2	2.7	3.3
155°	2.2	2.2	1.6	1.1	1.1	1.1	1.6	1.6	1.6	2.2	2.7
157.5°	1.1	1.1	0.5	0.5	1.1	1.1	1.1	1.6	1.6	1.6	2.2
160°	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.6	1.6	1.6	1.6
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: P415107

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8	4.4	4.9
5°	3.3	3.3	3.3	3.3	3.8	4.4	4.9	5.5	6.0	6.6	6.6
7.5°	3.8	3.8	3.8	4.4	4.9	6.0	13.7	48.2	65.7	71.7	70.1
10°	7.1	7.1	6.6	6.6	7.7	64.1	81.6	88.7	92.5	96.9	96.9
12.5°	56.9	65.7	23.5	13.1	63.5	89.8	96.4	101.3	104.6	109.0	109.0
15°	137.4	139.6	143.4	129.2	124.8	101.8	106.2	144.0	189.4	201.5	202.6
17.5°	154.4	157.1	159.9	189.4	201.5	156.0	179.6	202.0	206.4	210.8	210.8
20°	294.6	298.9	242.5	217.4	212.4	264.4	203.1	208.6	216.3	255.1	259.0
22.5°	334.0	336.7	315.4	329.1	240.9	276.5	267.2	267.2	298.9	301.1	301.7
25°	374.5	389.8	349.3	338.4	342.7	279.8	315.4	284.7	289.1	292.4	292.9
27.5°	546.4	544.2	511.4	387.1	343.8	338.9	306.1	280.9	328.5	341.1	341.6
30°	580.9	575.4	545.9	453.3	357.0	335.6	288.5	324.7	315.9	317.6	318.1
32.5°	798.8	790.1	706.3	458.8	372.9	309.9	313.2	302.2	303.3	337.3	338.4
35°	853.6	841.5	723.8	530.5	355.3	314.3	289.6	303.3	308.8	307.2	307.2
37.5°	926.9	903.9	718.3	498.8	369.6	294.0	277.0	286.3	283.1	303.9	302.8
40°	1006.9	974.6	721.1	462.6	335.1	275.9	265.5	273.8	271.6	265.5	261.2
42.5°	1108.7	1052.9	720.5	432.5	303.3	269.9	250.8	250.2	240.9	231.1	227.8
45°	1212.7	1135.5	722.7	398.0	279.2	265.0	242.5	229.4	221.2	210.8	208.1
47.5°	1326.6	1223.7	729.3	370.7	260.6	250.2	232.1	216.3	210.2	197.1	196.0
50°	1461.3	1316.2	731.5	348.8	238.7	237.1	224.5	207.0	197.7	184.5	183.4
52.5°	1606.4	1414.2	735.3	316.5	221.7	232.1	228.9	204.8	200.9	184.0	182.9
55°	1743.8	1507.3	734.2	277.6	214.1	227.8	228.9	219.0	213.0	185.1	182.9
57.5°	1909.2	1608.0	717.8	241.5	202.0	221.2	239.8	231.6	225.0	202.0	197.7
60°	2057.0	1712.1	669.1	213.5	191.6	214.1	249.1	240.9	222.3	207.5	203.1
62.5°	2230.0	1801.9	601.2	193.3	187.8	216.3	252.4	246.9	223.9	219.0	217.4
65°	2347.2	1835.8	498.2	176.8	187.2	216.3	251.3	252.4	236.0	240.9	240.4
67.5°	2361.4	1792.0	377.8	164.3	180.7	216.3	249.7	263.4	246.9	267.2	268.3
70°	2293.0	1682.5	275.4	151.7	173.6	213.5	250.2	270.5	255.1	286.9	284.7
72°	2135.3	1516.6	222.8	143.4	167.5	209.2	254.0	274.3	262.3	291.8	286.9
72.5°	2094.2	1465.7	213.0	142.4	166.4	208.6	255.1	275.4	262.8	296.8	290.7
75°	1752.6	1167.3	182.9	134.1	168.1	205.9	260.6	274.9	266.1	300.0	301.1
77.5°	1327.7	786.8	162.1	127.0	167.5	200.9	259.0	270.5	261.2	288.5	294.6
80°	821.8	457.7	144.0	126.5	166.4	198.7	251.9	259.0	247.5	269.4	271.0
82.5°	449.5	267.7	124.8	124.3	161.5	192.7	238.2	245.8	234.9	259.0	242.0
85°	230.0	181.8	93.6	101.8	141.3	181.2	222.3	221.7	210.8	219.6	207.5
87.5°	177.4	142.9	60.8	73.4	115.5	149.5	182.9	181.2	167.0	168.1	163.2
90°	163.2	127.6	40.0	52.0	96.4	107.3	127.0	122.1	112.2	114.4	112.8
92.5°	164.3	125.9	38.3	55.3	92.5	96.4	116.6	110.6	100.7	101.8	98.6
95°	160.4	121.0	38.3	48.7	76.7	68.4	83.8	81.6	73.4	69.5	67.9
97.5°	76.7	60.2	35.6	36.1	43.3	37.2	50.9	54.8	43.8	35.0	35.0
100°	13.1	20.3	31.2	36.7	31.2	23.5	32.3	37.2	25.2	11.5	12.6
102.5°	13.1	12.6	24.1	31.2	22.4	12.6	18.6	24.6	15.9	8.8	9.3
105°	14.2	13.1	11.5	21.4	13.1	6.6	7.1	12.6	8.8	8.8	8.8
107.5°	15.3	14.2	8.2	8.2	6.6	6.0	5.5	4.9	6.0	8.8	9.3



REPORT NUMBER: P415107

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.5	11.5	7.7	6.6	6.0	6.0	4.4	4.4	6.0	9.3	9.3
112.5°	8.2	8.2	6.6	5.5	4.9	6.0	4.4	4.4	5.5	9.3	9.9
115°	8.2	8.2	6.0	4.9	4.4	4.9	4.4	3.8	5.5	9.3	9.9
117.5°	8.2	8.2	6.0	4.4	3.8	3.8	3.3	3.8	5.5	9.3	9.9
120°	8.2	8.2	6.0	4.4	3.8	3.3	3.3	3.3	5.5	9.3	9.9
122.5°	7.7	7.7	5.5	3.8	3.3	2.7	2.7	3.3	4.9	8.8	9.3
125°	7.1	7.1	4.9	3.8	3.3	2.7	2.7	2.7	4.9	8.2	8.8
127.5°	6.6	6.6	4.9	3.3	2.7	2.7	2.7	2.7	4.4	7.7	8.2
130°	5.5	5.5	4.4	3.3	2.7	2.2	2.7	2.7	4.4	7.1	7.1
132.5°	4.4	4.4	3.3	2.7	2.7	2.2	2.2	2.7	3.8	6.0	6.6
135°	3.3	3.3	3.3	2.7	2.7	2.2	2.2	2.2	3.3	4.9	5.5
137.5°	2.7	3.3	2.7	2.7	2.7	2.2	2.2	2.2	3.3	4.4	4.4
140°	2.7	2.7	2.7	2.7	2.7	2.2	2.2	2.2	3.3	3.8	4.4
142.5°	2.7	3.3	2.7	2.7	2.7	2.2	2.2	2.7	3.3	4.4	4.4
145°	3.3	3.3	3.3	2.7	2.7	1.6	1.6	2.7	3.3	4.4	4.4
147.5°	3.3	3.3	3.3	2.7	2.2	1.6	1.6	2.2	3.3	4.4	4.4
150°	3.3	3.3	3.3	2.7	2.2	1.1	1.1	2.2	2.7	3.8	4.4
152.5°	3.3	3.3	2.7	2.7	1.6	1.1	0.5	1.6	2.2	3.3	3.3
155°	2.7	2.7	2.7	2.2	1.6	0.5	0.0	0.5	1.6	2.7	2.7
157.5°	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.5	0.5	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.5	1.1	1.1
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)