

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: P415424

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
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-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5140 lumens  
Efficiency: N/A  
Efficacy: 95.2 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 - G3

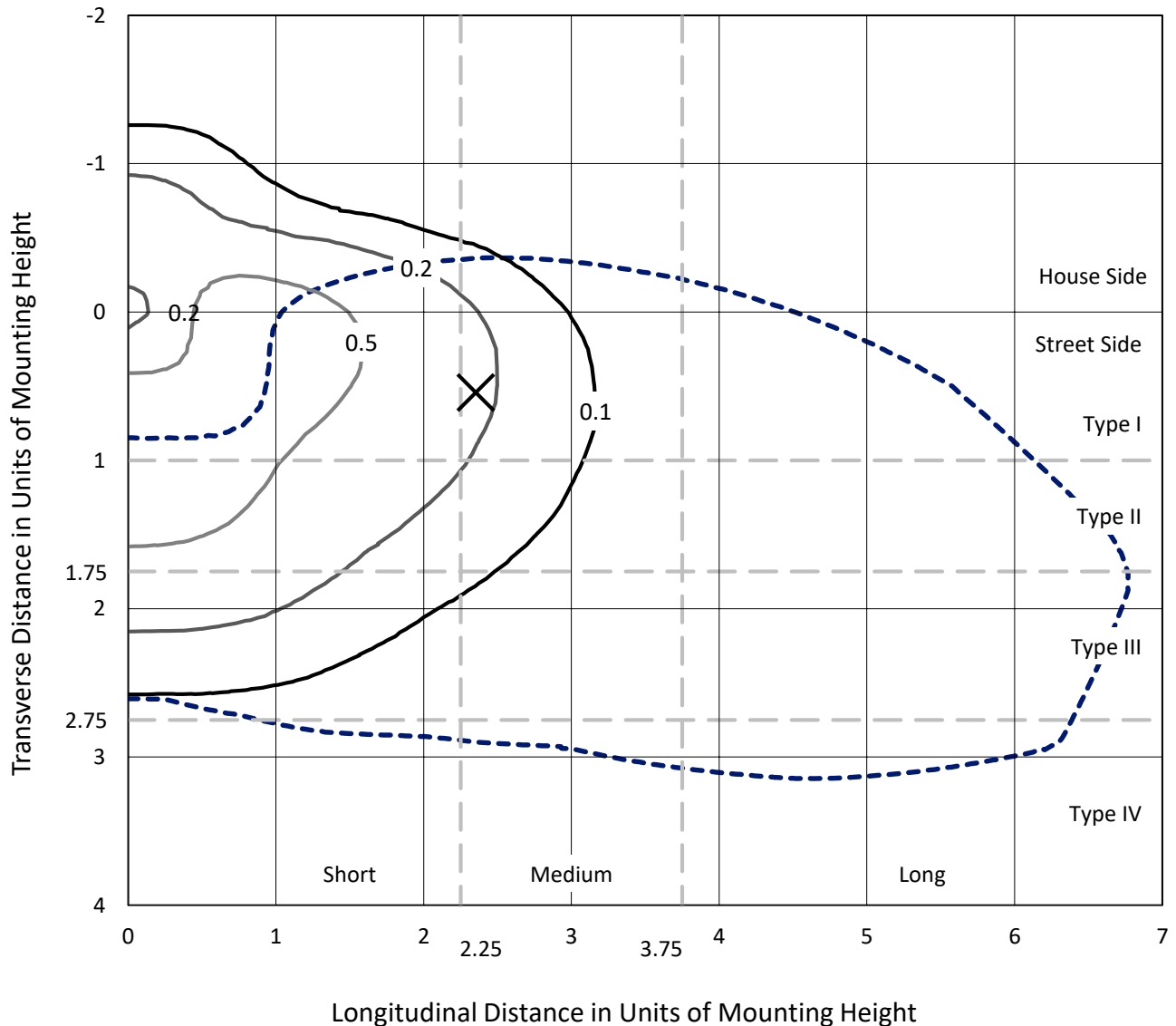
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415424  
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

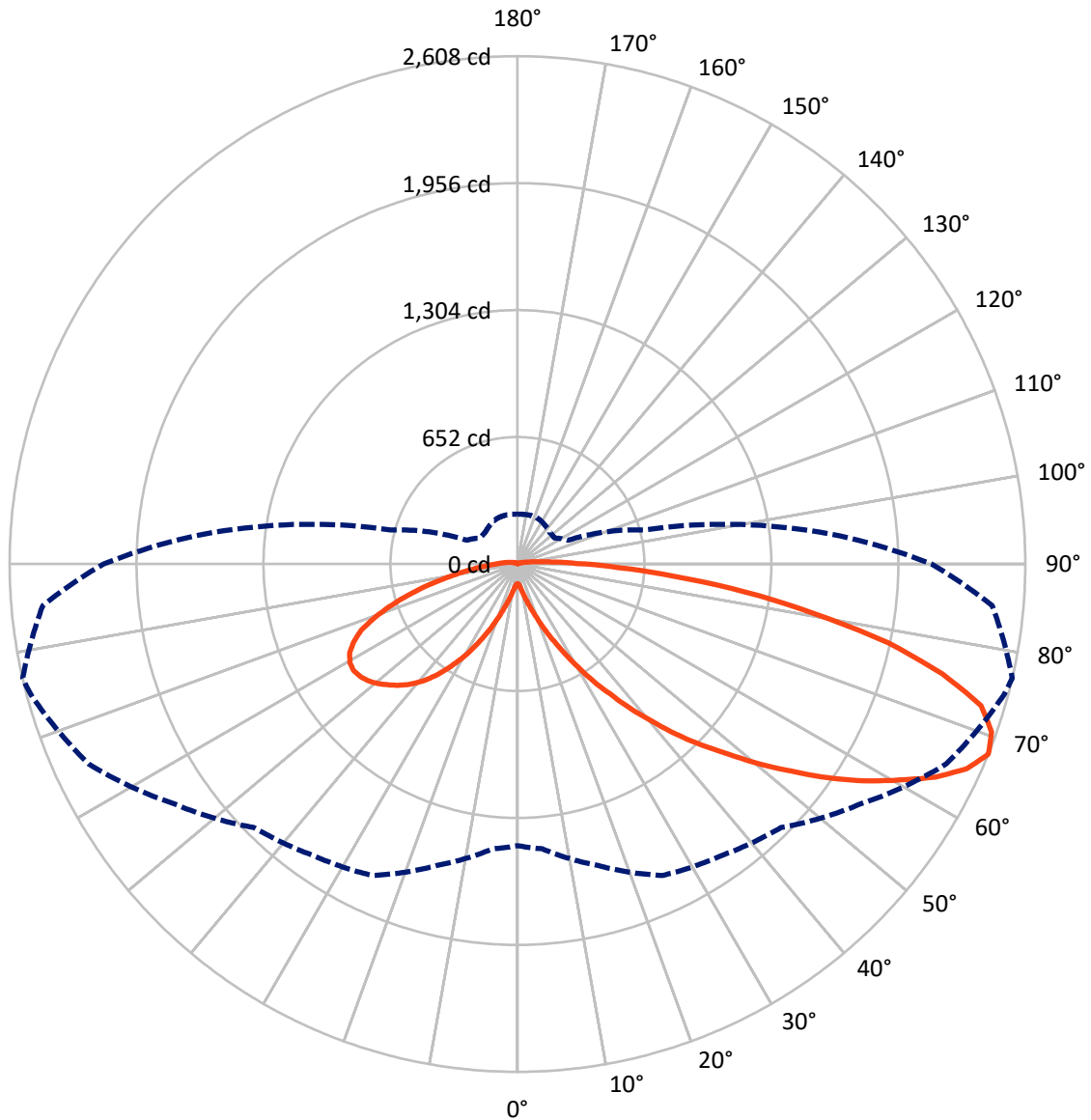
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415424  
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415424

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1172.6	77.2	1249.9
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	3804.1	86.0	3890.1
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	4976.8	163.2	5140.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.7	0.2
10°-20°	59.6	1.2
20°-30°	178.1	3.5
30°-40°	394.5	7.7
40°-50°	706.4	13.7
50°-60°	1058.0	20.6
60°-70°	1247.1	24.3
70°-80°	952.1	18.5
80°-90°	369.1	7.2
90°-100°	94.1	1.8
100°-110°	35.6	0.7
110°-120°	16.7	0.3
120°-130°	8.9	0.2
130°-140°	5.0	0.1
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4976.8	96.8
0°-180°	5140.0	100.0



REPORT NUMBER: P415424

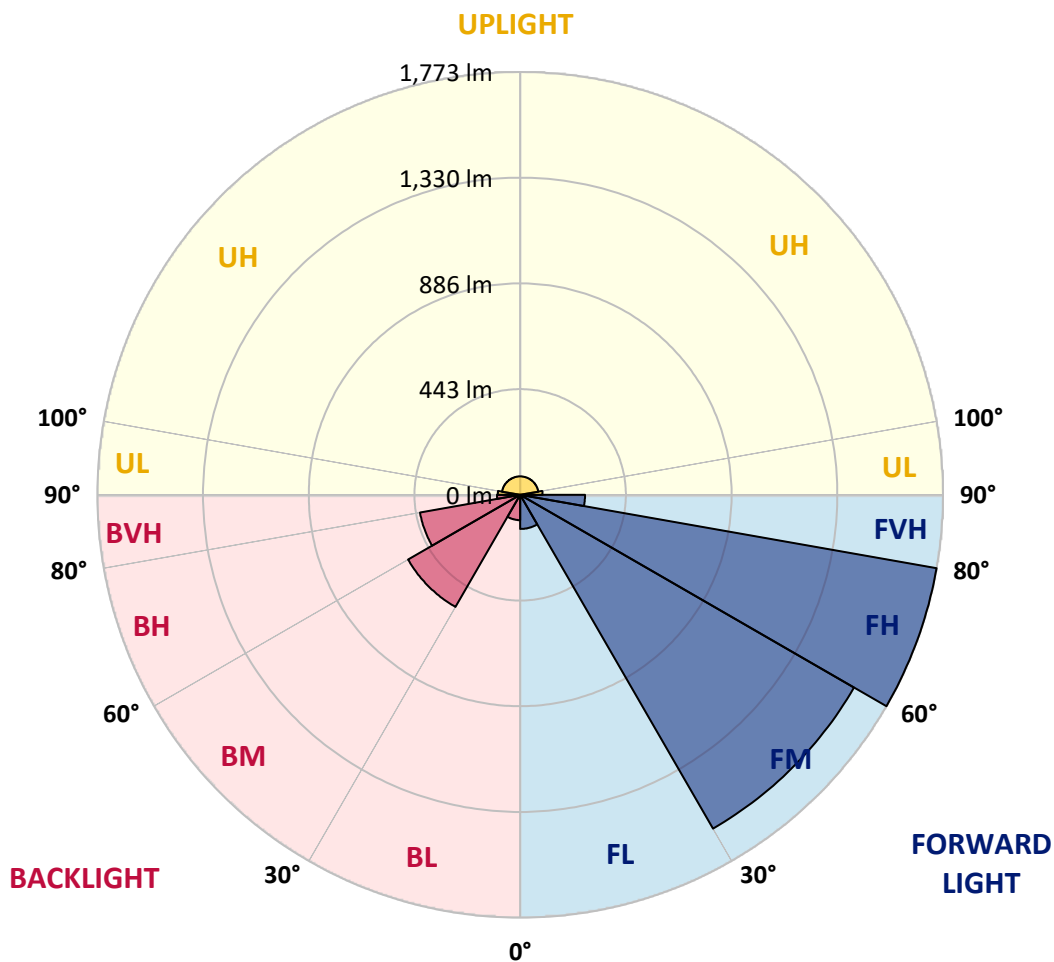
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.3	2.8			
FM (30°-60°)	1616.1	31.4			
FH (60°-80°)	1772.9	34.5			G1/1800
FVH (80°-90°)	271.9	5.3			G3/500
BL (0°-30°)	106.2	2.1	B0/110		
BM (30°-60°)	542.8	10.6	B1/1000		
BH (60°-80°)	426.4	8.3	B1/500		G1/500
BVH (80°-90°)	97.2	1.9			G1/100
UL (90°-100°)	94.1	1.8		U3/500	
UH (100°-180°)	77.2	1.5		U3/500	

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

Type IV Medium





REPORT NUMBER: P415424

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0
2.5°	106.9	106.3	106.9	106.9	107.5	106.3	105.1	104.5	103.9	103.9	103.3
5°	118.1	116.9	117.5	118.1	117.5	116.3	114.6	114.0	112.8	112.8	111.6
7.5°	134.0	134.0	133.5	132.3	133.5	131.7	130.5	129.9	128.1	127.6	127.0
10°	158.3	157.1	156.5	155.3	154.1	153.5	151.2	151.2	148.2	149.4	147.6
12.5°	189.6	187.2	187.8	185.4	181.9	179.5	178.3	177.7	177.7	177.7	177.2
15°	227.3	225.6	225.0	219.7	216.1	213.2	210.8	211.4	214.4	214.9	212.6
17.5°	270.5	273.4	268.1	263.4	258.1	252.1	252.1	252.1	254.5	256.3	255.1
20°	330.7	324.8	318.9	311.2	302.3	297.6	295.3	302.3	306.5	309.4	308.2
22.5°	396.8	390.9	384.4	372.0	359.6	350.8	350.8	359.6	369.1	372.6	373.8
25°	471.8	475.4	459.4	440.5	418.1	410.4	411.6	424.6	438.8	441.7	448.8
27.5°	564.5	564.5	550.9	520.8	491.3	476.0	477.1	498.4	519.7	523.8	529.1
30°	677.3	673.2	654.9	614.7	575.7	546.8	552.1	578.1	611.8	615.3	621.8
32.5°	803.1	802.5	767.1	717.5	661.4	627.1	629.5	667.3	709.2	719.2	726.3
35°	942.5	946.0	899.9	827.9	762.9	716.9	724.6	767.7	816.7	819.0	827.9
37.5°	1101.9	1100.1	1045.2	966.7	869.8	820.8	814.9	873.4	924.7	940.1	935.4
40°	1278.5	1259.6	1206.4	1109.0	989.7	924.2	925.3	985.6	1055.2	1060.0	1058.8
42.5°	1452.7	1444.4	1380.0	1248.3	1120.8	1043.4	1046.4	1104.3	1176.3	1194.6	1181.6
45°	1640.4	1619.8	1550.1	1414.3	1259.0	1175.1	1167.4	1232.4	1311.5	1325.7	1313.3
47.5°	1792.2	1779.2	1717.8	1573.1	1407.2	1299.7	1287.9	1367.6	1458.0	1459.2	1440.8
50°	1918.0	1911.5	1863.1	1734.9	1550.7	1439.1	1426.7	1505.8	1600.3	1615.6	1589.1
52.5°	2026.6	2016.0	1991.8	1865.4	1681.2	1558.4	1556.6	1643.4	1761.5	1768.6	1743.2
55°	2061.5	2068.0	2064.4	1975.3	1809.3	1676.5	1691.2	1808.1	1913.9	1938.7	1890.8
57.5°	2056.2	2056.2	2089.8	2049.1	1895.0	1783.3	1815.2	1956.4	2094.0	2101.6	2044.4
60°	1975.9	1977.6	2058.5	2069.7	1956.4	1874.9	1949.9	2106.9	2248.1	2252.8	2199.1
62.5°	1860.1	1856.0	1974.7	2031.4	1964.0	1929.2	2046.1	2238.6	2393.3	2409.3	2328.4
65°	1679.4	1687.1	1815.2	1928.0	1923.9	1949.9	2121.1	2357.3	2511.4	2534.5	2417.6
67.5°	1446.2	1468.6	1603.2	1765.0	1827.6	1913.9	2148.9	2430.0	2588.2	2608.3	2447.7
70°	1198.1	1192.8	1338.7	1541.8	1664.1	1821.7	2118.2	2432.9	2590.0	2583.5	2383.3
72.5°	908.8	931.2	1062.3	1269.0	1450.3	1646.9	2018.4	2357.3	2490.8	2489.6	2213.2
75°	646.0	659.6	775.3	982.0	1198.1	1442.6	1819.4	2192.6	2290.6	2255.2	1967.0
77.5°	426.3	438.8	538.5	726.9	927.1	1185.7	1551.9	1905.0	1982.9	1946.3	1652.8
80°	265.1	271.0	346.6	496.0	673.8	918.8	1256.6	1557.8	1588.5	1551.3	1272.6
82.5°	157.7	162.4	216.7	318.3	480.1	669.1	947.2	1194.0	1204.1	1178.7	917.7
85°	96.8	103.3	138.2	212.6	320.1	471.8	660.2	829.7	836.8	807.2	606.5
87.5°	63.2	66.7	93.9	138.2	215.5	315.9	442.3	552.1	536.2	517.9	383.2
90°	43.1	45.5	64.4	95.1	145.9	209.0	279.9	345.4	320.1	305.9	232.7
92.5°	30.1	32.5	47.2	68.5	101.0	140.0	181.9	206.7	196.1	189.6	146.4
95°	23.6	24.8	36.0	53.1	75.0	99.2	120.5	128.1	121.6	116.9	98.6
97.5°	18.9	20.1	30.1	43.1	58.5	73.8	83.9	86.2	79.7	77.4	68.5
100°	15.9	17.1	25.4	36.0	47.8	58.5	62.6	62.0	56.7	55.5	49.6
102.5°	14.2	14.8	22.4	31.3	40.7	47.2	49.6	46.7	41.3	40.7	37.2
105°	12.4	13.6	19.5	27.2	34.8	40.2	40.2	36.6	30.7	30.1	28.3
107.5°	11.8	11.8	17.1	23.6	30.1	33.7	33.7	29.5	24.2	23.0	21.8
110°	10.6	11.2	15.4	20.7	26.0	28.9	28.3	23.6	18.3	17.7	17.1



REPORT NUMBER: P415424

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	10.0	10.0	13.6	18.3	22.4	24.8	23.6	19.5	14.8	14.2	13.6
115°	9.4	9.4	12.4	16.5	20.1	21.8	20.1	15.9	11.8	11.2	11.8
117.5°	8.9	9.4	11.2	14.8	17.7	18.9	17.1	13.6	10.0	9.4	10.0
120°	8.9	8.9	10.6	13.0	15.4	16.5	14.8	11.2	8.3	8.3	8.9
122.5°	8.9	8.9	10.0	11.8	13.6	14.2	12.4	9.4	7.7	7.7	8.3
125°	8.3	8.3	9.4	10.6	12.4	12.4	11.2	8.3	6.5	6.5	7.7
127.5°	8.3	8.3	8.9	10.0	11.2	11.2	9.4	7.1	5.9	6.5	7.1
130°	7.7	7.7	8.3	8.9	10.0	9.4	8.3	6.5	5.3	5.9	6.5
132.5°	7.7	7.7	7.7	8.3	8.9	8.3	7.1	5.3	5.3	5.3	5.9
135°	7.1	7.1	7.7	7.7	7.7	7.1	5.9	4.7	4.7	4.7	5.3
137.5°	7.1	7.1	7.1	7.1	7.1	6.5	5.3	4.1	4.1	4.1	4.7
140°	6.5	6.5	6.5	5.9	5.9	5.3	4.1	3.5	3.5	3.5	4.1
142.5°	5.9	5.9	5.9	5.3	5.3	4.1	3.5	3.0	3.0	3.5	3.5
145°	5.3	5.3	5.3	4.7	4.1	3.5	2.4	2.4	3.0	3.0	3.5
147.5°	4.1	4.1	4.1	4.1	3.0	3.0	1.8	2.4	2.4	3.0	3.0
150°	3.5	3.5	3.5	3.5	2.4	1.8	1.2	1.8	2.4	2.4	2.4
152.5°	3.0	3.0	3.0	3.0	1.8	1.2	1.2	1.8	1.8	1.8	2.4
155°	1.8	1.8	2.4	1.8	1.2	0.6	1.2	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.8
160°	0.6	0.6	1.2	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2
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: P415424

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0
2.5°	102.7	103.3	102.7	102.2	102.2	101.6	101.6	101.6	101.6	101.0	101.0
5°	112.2	111.6	111.0	109.8	108.7	107.5	107.5	106.9	106.3	105.7	105.7
7.5°	125.2	125.2	124.0	122.2	120.5	119.3	118.1	117.5	115.7	115.7	115.1
10°	145.3	145.3	141.7	140.0	137.0	134.0	132.9	131.1	129.9	129.3	128.7
12.5°	174.2	172.4	168.9	163.0	157.1	152.4	149.4	148.2	148.8	148.8	149.4
15°	211.4	207.9	202.5	191.3	180.7	173.6	171.8	171.8	172.4	172.4	173.0
17.5°	255.7	250.4	238.6	224.4	209.0	199.6	195.5	195.5	196.6	198.4	200.2
20°	309.4	304.7	286.4	261.6	238.6	226.2	219.1	218.5	220.9	226.2	225.0
22.5°	370.3	364.9	337.8	301.8	269.9	249.8	242.1	244.5	250.4	253.9	253.9
25°	443.5	434.6	393.9	341.3	300.6	272.2	262.2	265.7	274.6	278.7	280.5
27.5°	522.0	510.2	455.9	384.4	324.8	290.5	279.9	284.6	295.3	301.8	303.5
30°	615.3	594.6	520.8	424.6	346.6	303.5	292.3	301.2	313.0	320.6	322.4
32.5°	713.3	681.5	576.9	458.8	362.6	312.4	301.2	311.8	324.8	333.6	334.2
35°	811.4	774.8	638.9	486.6	370.8	316.5	304.7	317.1	331.3	338.4	340.1
37.5°	917.7	866.9	692.7	504.3	374.4	315.9	304.7	317.1	330.7	336.6	337.8
40°	1019.8	957.2	740.5	514.9	373.2	311.2	300.6	313.6	325.4	329.5	328.9
42.5°	1134.4	1044.6	778.9	515.5	364.9	304.1	295.3	306.5	314.7	314.2	314.7
45°	1243.6	1137.3	807.2	511.4	353.7	295.3	288.2	298.2	301.2	298.2	297.6
47.5°	1363.5	1229.4	829.7	500.8	340.1	287.0	280.5	288.2	288.8	282.3	281.1
50°	1490.5	1321.6	850.3	481.3	324.2	277.5	273.4	279.9	278.7	268.1	266.3
52.5°	1614.5	1414.9	863.3	457.6	308.2	269.3	267.5	274.0	270.5	258.1	255.7
55°	1746.7	1501.1	865.7	434.0	292.9	262.2	262.2	269.3	265.1	252.1	250.4
57.5°	1876.1	1591.4	856.8	403.3	278.1	254.5	258.1	266.3	263.4	250.4	249.2
60°	1997.1	1659.3	832.6	374.4	264.5	249.2	255.1	264.5	262.2	251.6	250.4
62.5°	2091.0	1704.2	794.2	346.0	252.7	243.9	252.1	261.6	262.2	253.3	253.9
65°	2134.7	1704.2	738.7	317.7	242.1	238.6	249.2	259.8	261.0	255.7	255.7
67.5°	2125.3	1660.5	676.1	288.2	232.1	232.1	245.1	256.3	258.6	256.3	256.3
70°	2025.5	1542.4	590.5	264.5	222.0	224.4	238.6	250.4	253.9	254.5	253.9
72.5°	1863.1	1364.7	501.9	239.7	211.4	216.7	230.3	242.1	246.8	248.0	247.4
75°	1612.1	1158.6	415.1	219.1	200.2	206.7	220.9	230.9	236.2	238.6	237.4
77.5°	1295.6	919.4	340.1	198.4	187.2	194.3	207.9	216.1	222.6	225.6	223.2
80°	987.3	684.4	270.5	177.7	171.2	178.9	190.7	199.6	205.5	206.7	204.9
82.5°	700.9	485.4	216.7	158.3	154.1	160.6	171.2	177.2	184.2	183.6	180.1
85°	459.4	329.5	170.1	137.6	135.8	140.0	148.2	151.8	158.8	158.8	154.7
87.5°	298.8	218.5	134.0	115.7	117.5	121.1	125.2	128.1	131.1	131.7	128.1
90°	190.7	149.4	106.9	98.6	100.4	103.3	103.3	102.7	107.5	108.7	105.7
92.5°	125.2	106.3	88.6	83.9	85.0	85.6	85.6	83.3	87.4	88.0	85.6
95°	88.0	79.7	73.2	72.0	72.0	72.0	70.9	67.9	71.5	71.5	70.3
97.5°	66.1	62.0	61.4	61.4	61.4	60.8	59.1	57.9	59.1	59.1	58.5
100°	49.6	49.0	50.8	52.0	52.6	52.0	50.8	49.0	49.0	46.7	47.2
102.5°	37.8	39.0	42.5	44.3	44.3	44.3	43.7	41.3	40.2	37.8	37.2
105°	29.5	30.7	34.8	37.2	37.8	38.4	37.2	34.8	32.5	30.1	29.5
107.5°	23.0	24.8	28.3	31.3	32.5	32.5	31.9	29.5	26.6	23.6	23.6
110°	18.9	20.1	23.6	26.6	27.8	27.8	27.2	24.2	21.3	18.9	18.9



REPORT NUMBER: P415424

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.4	16.5	20.1	22.4	23.6	24.2	23.0	20.7	17.7	15.4	15.4
115°	13.0	14.2	17.1	18.9	20.1	20.1	19.5	17.1	14.8	13.0	13.0
117.5°	11.2	12.4	14.8	16.5	17.1	17.7	16.5	14.8	12.4	11.2	11.2
120°	10.0	10.6	13.0	14.2	14.8	14.8	14.2	12.4	10.6	10.0	10.0
122.5°	8.9	10.0	11.2	12.4	13.0	13.0	12.4	10.6	9.4	8.9	9.4
125°	8.3	8.9	10.0	11.2	11.2	11.2	10.6	9.4	8.3	8.3	8.3
127.5°	7.7	8.3	8.9	9.4	10.0	10.0	9.4	8.3	7.7	7.7	7.7
130°	7.1	7.7	8.3	8.3	8.9	8.9	8.3	7.1	7.1	7.1	7.1
132.5°	6.5	7.1	7.1	7.7	7.7	7.7	7.1	6.5	6.5	6.5	6.5
135°	5.9	5.9	6.5	6.5	6.5	6.5	5.9	5.9	5.9	5.9	5.9
137.5°	5.3	5.3	5.9	5.3	5.9	5.3	5.3	4.7	5.3	5.3	5.3
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.1	4.1	4.7	4.7	4.7
142.5°	4.1	4.1	4.1	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1
145°	3.5	3.5	3.5	3.0	3.0	2.4	3.0	3.0	3.5	3.5	3.5
147.5°	3.0	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.0	3.0	3.0
150°	2.4	3.0	3.0	2.4	1.8	1.2	1.2	1.8	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	1.2	1.2	1.2	1.2
157.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.6	1.2	0.6	0.6
160°	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.6	0.6	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)