

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: P415589

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-750-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6079 lumens  
Efficiency: N/A  
Efficacy: 112.6 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: B2 - 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

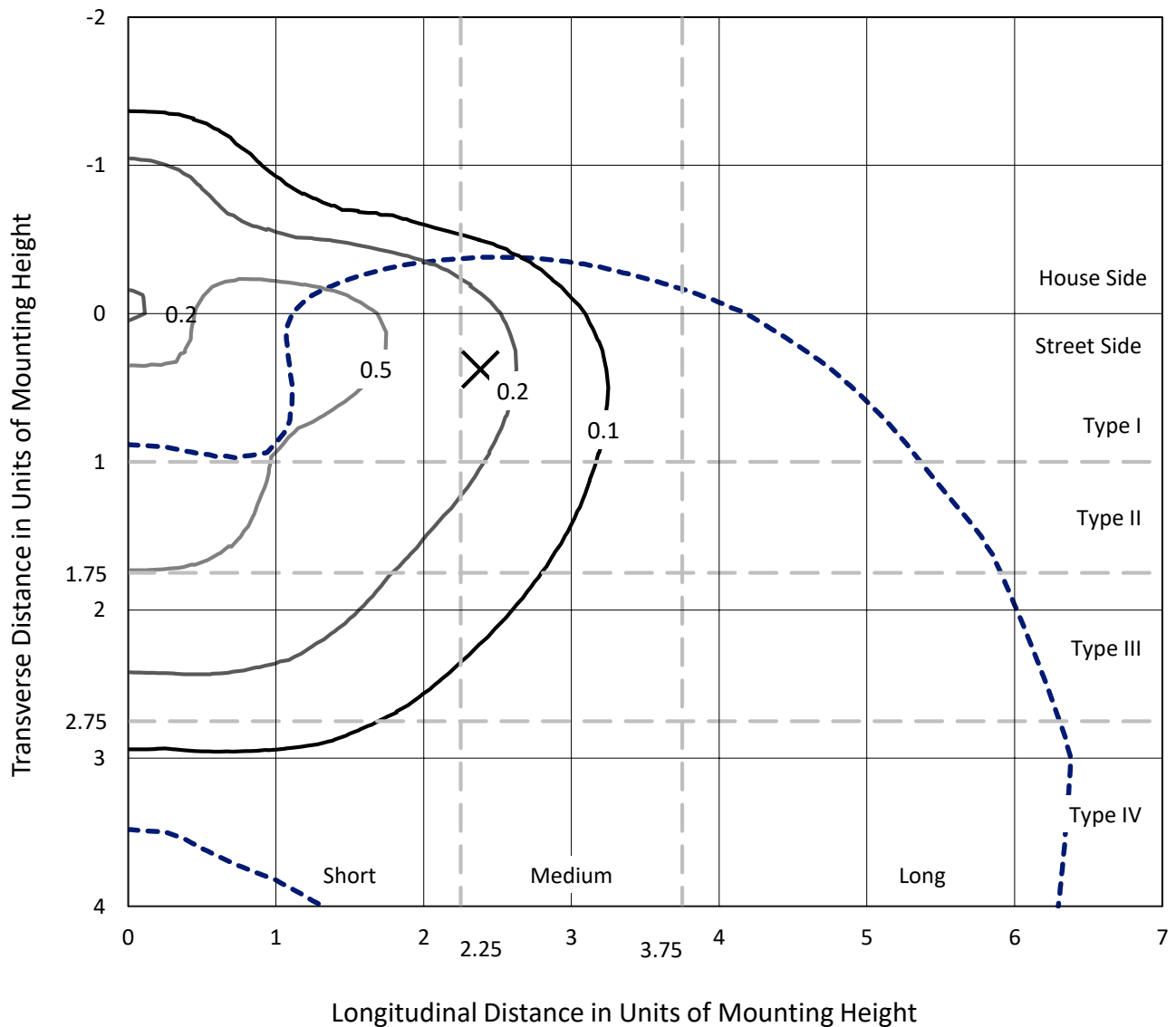


REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

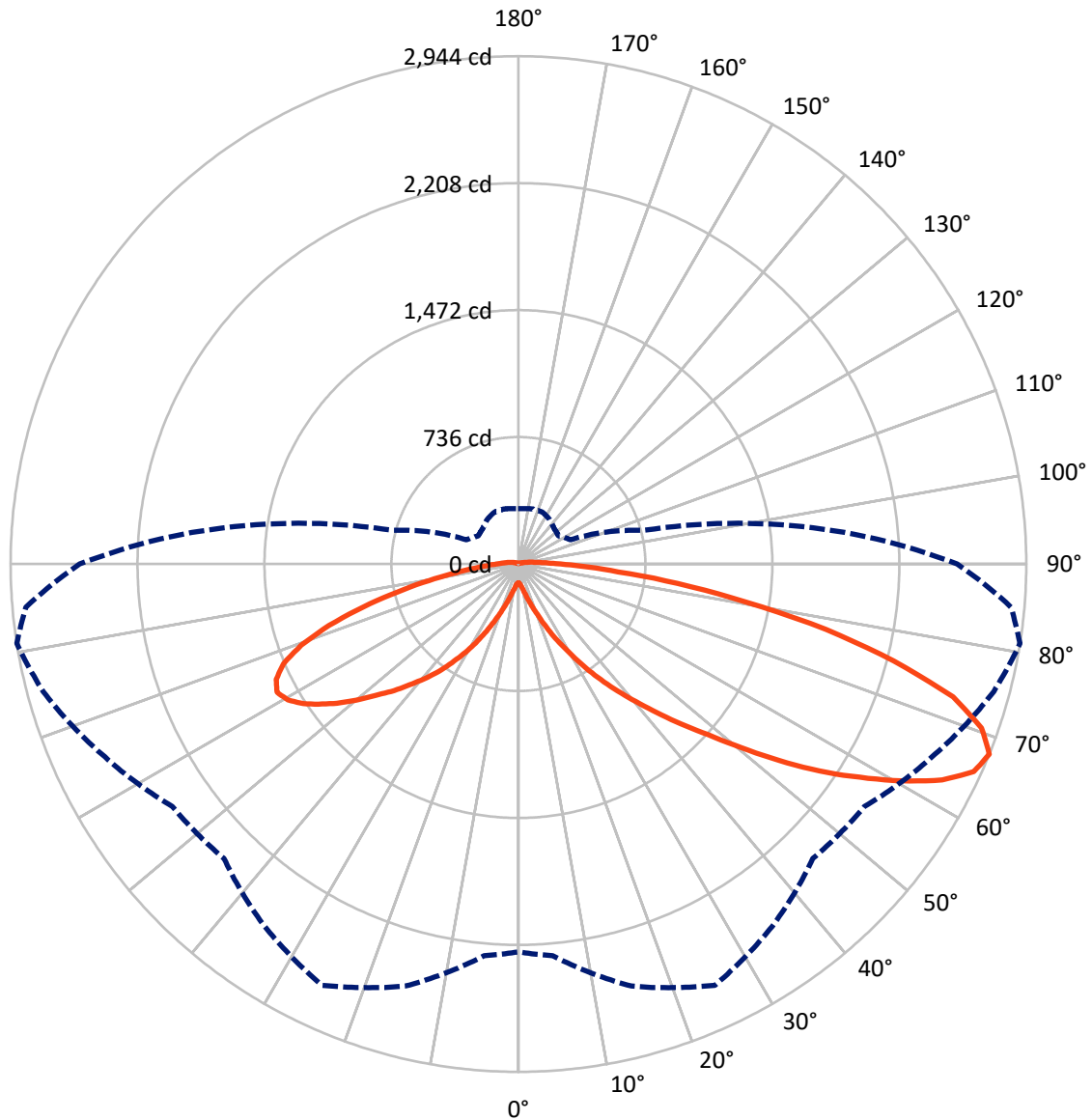


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

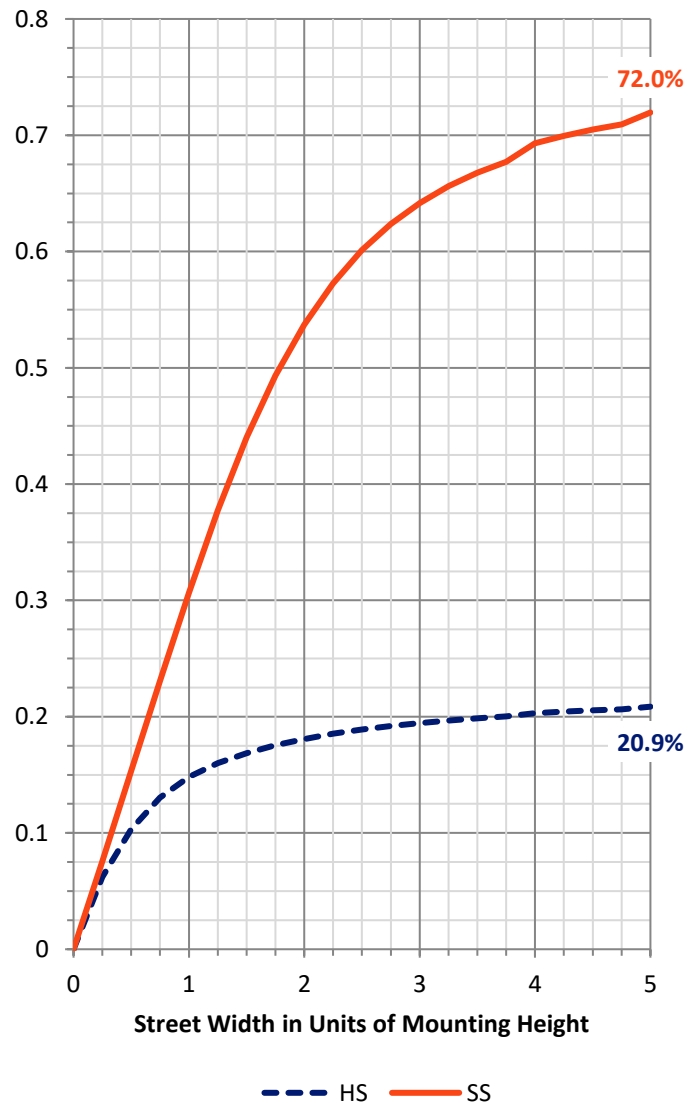
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1330.7	94.6	1425.3
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	4534.7	119.0	4653.7
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	5865.4	213.6	6079.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.2
10°-20°	62.8	1.0
20°-30°	187.2	3.1
30°-40°	406.4	6.7
40°-50°	712.6	11.7
50°-60°	1129.3	18.6
60°-70°	1523.9	25.1
70°-80°	1307.5	21.5
80°-90°	523.1	8.6
90°-100°	127.3	2.1
100°-110°	44.7	0.7
110°-120°	20.5	0.3
120°-130°	11.1	0.2
130°-140°	6.2	0.1
140°-150°	2.9	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5865.4	96.5
0°-180°	6079.0	100.0



REPORT NUMBER: P415589

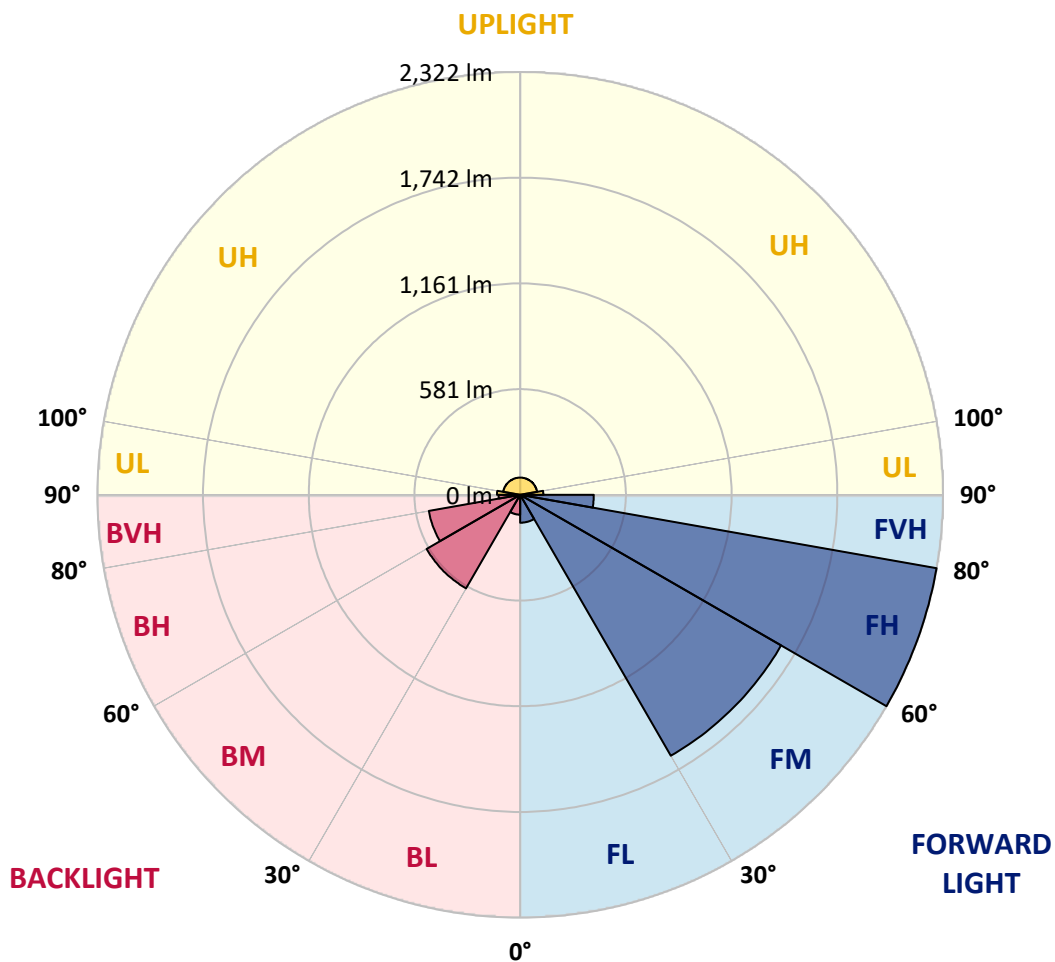
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.4	2.5			
FM	(30°-60°)	1654.6	27.2			
FH	(60°-80°)	2322.3	38.2			G2/5000
FVH	(80°-90°)	404.3	6.7			G3/500
BL	(0°-30°)	109.2	1.8	B0/110		
BM	(30°-60°)	593.6	9.8	B1/1000		
BH	(60°-80°)	509.1	8.4	B2/1000		G2/1000
BVH	(80°-90°)	118.8	2.0			G2/225
UL	(90°-100°)	127.3	2.1		U3/500	
UH	(100°-180°)	94.6	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	119.3	118.6	118.6	119.3	119.3	119.3	117.2	115.1	113.0	112.3	111.6
5°	135.6	134.1	134.1	134.1	133.4	131.3	128.5	125.7	122.8	121.4	120.0
7.5°	156.7	156.0	155.3	153.2	152.5	149.0	144.7	140.5	136.3	134.8	133.4
10°	185.7	185.0	181.4	180.7	177.2	173.7	167.3	161.0	155.3	153.2	151.1
12.5°	222.4	222.4	217.5	211.8	207.6	200.5	194.9	187.1	182.9	180.0	177.2
15°	270.4	267.6	261.2	254.9	243.6	235.1	226.6	222.4	219.6	216.0	211.8
17.5°	323.4	319.8	314.2	301.5	286.6	274.6	266.9	262.6	261.2	259.1	254.2
20°	386.9	382.7	374.9	355.1	338.9	322.7	313.5	311.4	312.8	309.2	304.3
22.5°	462.4	459.6	443.4	418.7	396.1	373.5	365.0	366.4	369.2	374.2	371.4
25°	548.6	541.5	526.0	490.7	453.3	431.4	422.9	429.3	442.0	449.0	443.4
27.5°	648.8	644.6	613.5	567.6	518.9	489.3	482.9	501.3	523.2	528.8	528.8
30°	754.7	757.6	712.4	658.0	596.6	555.6	547.9	574.0	611.4	614.9	624.1
32.5°	888.9	883.9	836.6	747.7	675.0	622.0	617.1	653.8	701.1	719.4	719.4
35°	1029.4	1024.4	966.5	861.3	760.4	691.9	695.4	734.3	798.5	821.8	825.3
37.5°	1191.1	1174.8	1112.0	981.4	853.6	773.1	766.7	825.3	900.9	934.1	934.1
40°	1369.0	1359.8	1272.2	1117.6	948.9	857.1	852.2	919.9	1011.7	1048.4	1055.5
42.5°	1541.9	1529.9	1448.8	1249.7	1059.0	946.1	946.8	1020.9	1126.1	1176.9	1186.1
45°	1724.8	1713.5	1624.5	1412.0	1178.3	1056.2	1047.7	1140.2	1265.9	1322.4	1333.0
47.5°	1887.2	1879.4	1802.5	1573.7	1326.6	1174.1	1162.8	1269.4	1414.9	1477.7	1509.5
50°	2063.7	2053.8	1981.8	1746.0	1474.2	1299.8	1299.1	1413.4	1595.6	1671.9	1698.0
52.5°	2207.0	2195.7	2145.6	1919.0	1620.3	1446.6	1434.6	1575.1	1782.7	1892.1	1904.8
55°	2339.0	2334.8	2317.9	2104.6	1798.2	1590.7	1598.4	1765.0	1995.9	2119.5	2138.5
57.5°	2434.4	2440.0	2447.8	2291.0	1972.6	1751.6	1765.8	1955.7	2217.6	2332.7	2358.8
60°	2499.3	2519.1	2570.6	2453.4	2150.5	1927.4	1951.4	2144.2	2430.8	2553.7	2574.8
62.5°	2504.2	2525.4	2645.5	2605.2	2321.4	2107.5	2135.0	2338.3	2621.4	2757.7	2759.8
65°	2410.3	2439.3	2631.3	2687.1	2471.8	2279.7	2304.4	2511.3	2781.0	2901.7	2858.0
67.5°	2248.7	2279.0	2533.2	2694.2	2565.0	2413.9	2449.2	2645.5	2853.0	2944.1	2866.4
70°	2014.3	2043.9	2311.5	2587.6	2581.9	2493.0	2539.5	2700.5	2839.6	2848.8	2739.4
72.5°	1706.4	1703.6	1992.4	2354.6	2488.0	2486.6	2560.7	2658.9	2686.4	2634.9	2472.5
75°	1306.8	1343.6	1606.9	2017.8	2274.1	2374.3	2449.2	2486.6	2407.5	2248.0	2072.2
77.5°	936.2	966.5	1205.9	1590.7	1956.4	2141.4	2224.0	2206.3	2010.0	1822.9	1621.0
80°	619.9	637.5	837.3	1187.5	1577.2	1791.9	1891.4	1823.6	1574.4	1335.1	1160.7
82.5°	372.1	401.0	526.7	834.5	1169.9	1416.3	1477.0	1364.0	1124.0	929.1	801.3
85°	225.2	231.6	327.6	533.8	816.9	1018.8	1076.7	955.2	739.2	580.3	481.5
87.5°	126.4	137.7	202.6	347.4	549.3	707.4	727.9	629.1	463.9	360.1	301.5
90°	74.1	81.9	124.3	215.3	350.2	457.5	463.1	380.5	274.6	216.7	192.7
92.5°	47.3	53.0	82.6	138.4	225.2	297.2	289.5	235.1	175.8	144.7	125.0
95°	33.9	36.7	57.9	95.3	151.1	187.1	184.3	147.6	117.9	101.0	91.8
97.5°	25.4	28.2	45.2	69.9	101.7	125.7	122.8	98.1	81.9	74.1	70.6
100°	21.2	22.6	36.7	55.1	75.5	90.4	89.0	72.7	61.4	55.8	54.4
102.5°	18.4	19.8	30.4	44.5	60.0	69.9	67.1	56.5	46.6	41.7	40.2
105°	16.2	16.9	26.1	38.1	49.4	55.1	54.4	45.2	36.0	31.1	30.4
107.5°	14.8	15.5	22.6	32.5	41.7	46.6	45.2	36.7	27.5	24.0	23.3
110°	13.4	14.1	19.8	28.2	35.3	39.5	37.4	30.4	21.9	18.4	18.4



REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	12.7	12.7	17.7	24.0	30.4	33.9	31.8	24.7	16.9	14.8	15.5
115°	12.0	12.0	15.5	21.2	26.8	29.7	26.8	20.5	14.1	12.7	12.7
117.5°	11.3	11.3	14.1	19.1	24.0	26.1	23.3	17.7	12.0	10.6	11.3
120°	10.6	11.3	13.4	16.9	21.2	22.6	20.5	14.8	9.9	9.9	10.6
122.5°	10.6	10.6	12.7	15.5	19.1	19.8	17.7	12.7	9.2	9.2	9.2
125°	10.6	10.6	12.0	14.1	16.9	17.7	14.8	10.6	8.5	8.5	8.5
127.5°	10.6	10.6	11.3	13.4	14.8	15.5	13.4	9.9	7.8	7.8	8.5
130°	9.9	10.6	10.6	12.0	13.4	13.4	11.3	8.5	7.1	7.1	7.8
132.5°	9.9	9.9	10.6	11.3	12.0	12.0	9.9	7.8	6.4	7.1	7.1
135°	9.9	9.9	9.9	10.6	11.3	10.6	8.5	6.4	5.6	6.4	6.4
137.5°	9.2	9.2	9.2	9.9	9.9	9.2	7.8	5.6	5.6	5.6	5.6
140°	8.5	8.5	8.5	8.5	9.2	8.5	6.4	4.9	4.9	4.9	4.9
142.5°	7.8	7.8	7.8	7.8	7.8	7.1	5.6	4.2	4.2	4.2	4.2
145°	7.1	7.1	7.1	7.1	6.4	5.6	4.2	3.5	3.5	4.2	4.2
147.5°	5.6	5.6	5.6	5.6	5.6	4.9	3.5	2.8	3.5	3.5	3.5
150°	4.9	4.9	4.9	4.9	4.2	4.2	2.8	2.8	2.8	3.5	3.5
152.5°	3.5	3.5	3.5	4.2	3.5	2.8	2.1	2.1	2.8	2.8	2.8
155°	2.8	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.8	2.8	2.8
157.5°	1.4	2.1	2.1	2.1	2.1	2.1	1.4	2.1	2.1	2.1	2.1
160°	0.7	0.7	1.4	1.4	2.1	2.1	1.4	1.4	2.1	2.1	2.1
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





REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	111.6	110.8	110.1	109.4	108.7	108.7	108.0	107.3	106.6	105.9	105.9
5°	119.3	117.9	115.8	114.4	113.0	113.0	111.6	110.8	109.4	108.7	108.7
7.5°	131.3	130.6	126.4	124.3	122.1	121.4	120.0	118.6	117.2	117.2	117.2
10°	149.0	146.9	143.3	137.7	135.6	134.1	132.0	130.6	130.6	131.3	131.3
12.5°	175.8	170.2	165.2	157.4	153.2	150.4	149.0	149.7	153.2	154.6	153.2
15°	206.9	205.5	193.4	182.2	173.7	168.0	171.6	175.8	180.7	182.2	184.3
17.5°	249.9	245.0	228.8	212.5	197.0	194.2	198.4	205.5	211.1	215.3	218.9
20°	301.5	293.0	273.2	245.0	227.3	223.1	225.9	235.8	246.4	254.9	255.6
22.5°	366.4	353.7	318.4	283.1	257.0	249.9	253.5	269.0	284.5	295.1	294.4
25°	437.0	421.5	374.2	323.4	287.3	274.6	281.0	301.5	323.4	336.1	337.5
27.5°	516.1	500.6	434.9	362.2	314.9	295.8	306.4	329.7	359.4	374.9	377.7
30°	609.3	588.1	495.6	403.8	340.3	315.6	325.5	355.8	388.3	410.2	413.0
32.5°	706.0	672.8	556.3	437.7	358.0	328.3	339.6	374.9	412.3	436.3	440.6
35°	806.3	765.3	617.8	466.7	370.7	336.1	347.4	386.9	426.4	452.6	456.1
37.5°	919.2	864.9	673.5	488.6	377.7	338.2	349.5	389.0	429.3	454.7	458.2
40°	1032.9	960.2	720.1	502.0	378.4	336.1	345.2	383.4	421.5	443.4	446.9
42.5°	1155.0	1060.4	766.7	505.5	374.9	330.4	338.2	372.1	404.5	421.5	423.6
45°	1292.0	1176.2	806.3	502.7	365.0	321.9	327.6	356.5	382.0	389.7	393.3
47.5°	1436.7	1290.6	836.6	494.2	355.1	312.8	316.3	340.3	356.5	357.2	358.0
50°	1613.3	1429.7	874.1	482.2	341.7	304.3	306.4	325.5	333.2	329.7	328.3
52.5°	1806.7	1578.7	898.1	463.1	329.7	296.5	298.6	313.5	316.3	308.5	309.2
55°	2017.1	1717.7	918.5	444.8	317.0	291.6	295.8	307.8	307.8	297.9	297.2
57.5°	2213.4	1859.7	927.7	421.5	306.4	288.1	295.1	307.1	305.7	296.5	295.8
60°	2403.3	1975.4	916.4	398.9	299.4	286.6	299.4	312.1	310.6	302.9	302.2
62.5°	2534.6	2048.2	888.2	376.3	293.0	288.8	304.3	319.1	319.1	310.6	310.6
65°	2591.1	2039.7	830.3	353.7	288.1	290.2	311.4	326.9	325.5	318.4	317.0
67.5°	2543.8	1962.7	752.6	331.8	283.8	291.6	314.9	331.1	329.7	321.9	320.5
70°	2392.0	1801.1	658.7	312.1	278.2	289.5	316.3	330.4	328.3	321.2	318.4
72.5°	2089.8	1549.7	560.6	293.0	269.7	284.5	312.1	324.8	322.7	317.0	313.5
75°	1721.3	1249.7	463.1	271.8	259.1	275.3	302.9	314.2	311.4	306.4	302.9
77.5°	1316.0	943.9	382.7	252.0	246.4	263.3	290.2	298.6	295.8	291.6	289.5
80°	931.2	672.1	307.8	230.2	228.0	245.0	267.6	276.8	275.3	271.1	267.6
82.5°	612.8	446.9	245.7	205.5	206.9	224.5	241.5	246.4	245.7	242.2	237.9
85°	377.7	294.4	193.4	177.2	183.6	197.7	211.8	212.5	210.4	209.7	203.3
87.5°	240.8	201.2	151.8	150.4	159.6	171.6	177.9	175.1	176.5	176.5	171.6
90°	156.7	141.2	121.4	125.7	135.6	144.7	147.6	139.8	144.0	141.9	139.8
92.5°	113.7	105.2	98.8	104.5	114.4	122.8	121.4	113.0	115.1	115.1	114.4
95°	86.1	81.9	82.6	88.3	96.0	101.7	98.8	91.8	92.5	91.1	89.0
97.5°	67.8	67.1	69.9	74.1	81.2	84.7	81.9	75.5	74.8	72.7	72.0
100°	53.7	54.4	58.6	63.5	67.8	70.6	68.5	62.1	59.3	55.8	55.1
102.5°	41.7	43.1	48.7	53.0	57.2	59.3	57.2	52.2	47.3	43.8	43.1
105°	32.5	33.9	40.2	44.5	48.0	49.4	48.0	42.4	37.4	33.2	33.2
107.5°	25.4	26.8	33.2	38.1	40.2	41.7	39.5	35.3	29.7	26.1	26.1
110°	20.5	21.9	27.5	31.8	33.9	35.3	33.2	28.2	24.0	21.2	21.2



REPORT NUMBER: P415589

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.2	18.4	22.6	26.8	28.9	29.7	27.5	24.0	19.1	17.7	17.7
115°	14.1	15.5	19.1	22.6	24.7	24.7	23.3	19.8	15.5	14.8	14.8
117.5°	12.0	13.4	16.2	19.8	21.2	21.2	19.8	16.2	13.4	12.7	12.7
120°	11.3	12.0	14.1	16.9	18.4	18.4	16.9	14.1	11.3	11.3	11.3
122.5°	9.9	10.6	12.7	14.8	16.2	16.2	14.8	12.0	9.9	10.6	10.6
125°	9.2	9.9	11.3	12.7	14.1	14.1	12.7	10.6	9.2	9.2	9.2
127.5°	8.5	9.2	9.9	11.3	12.0	12.0	11.3	9.2	8.5	8.5	8.5
130°	7.8	8.5	9.2	9.9	10.6	10.6	9.2	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	8.5	9.2	9.2	8.5	7.1	7.1	7.1	7.1
135°	7.1	7.1	7.1	7.1	7.8	7.8	7.1	6.4	6.4	6.4	6.4
137.5°	6.4	6.4	6.4	6.4	7.1	7.1	6.4	5.6	5.6	5.6	5.6
140°	5.6	5.6	5.6	4.9	5.6	5.6	4.9	4.9	4.9	4.9	4.9
142.5°	4.2	4.9	4.2	4.2	4.2	4.2	4.2	3.5	4.2	4.2	4.2
145°	4.2	4.2	4.2	3.5	3.5	3.5	3.5	2.8	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	2.8	2.1	2.8	2.1	2.8	2.8	2.8	2.8
150°	3.5	3.5	2.8	2.8	2.1	1.4	1.4	2.1	2.1	2.1	2.1
152.5°	2.8	2.8	2.8	2.1	1.4	0.7	0.7	1.4	1.4	1.4	1.4
155°	2.8	2.8	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	2.1	2.1	2.1	1.4	1.4	0.7	0.0	0.7	0.0	0.0	0.0
160°	2.1	2.1	2.1	1.4	0.7	0.7	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)