

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: P415462

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5806 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

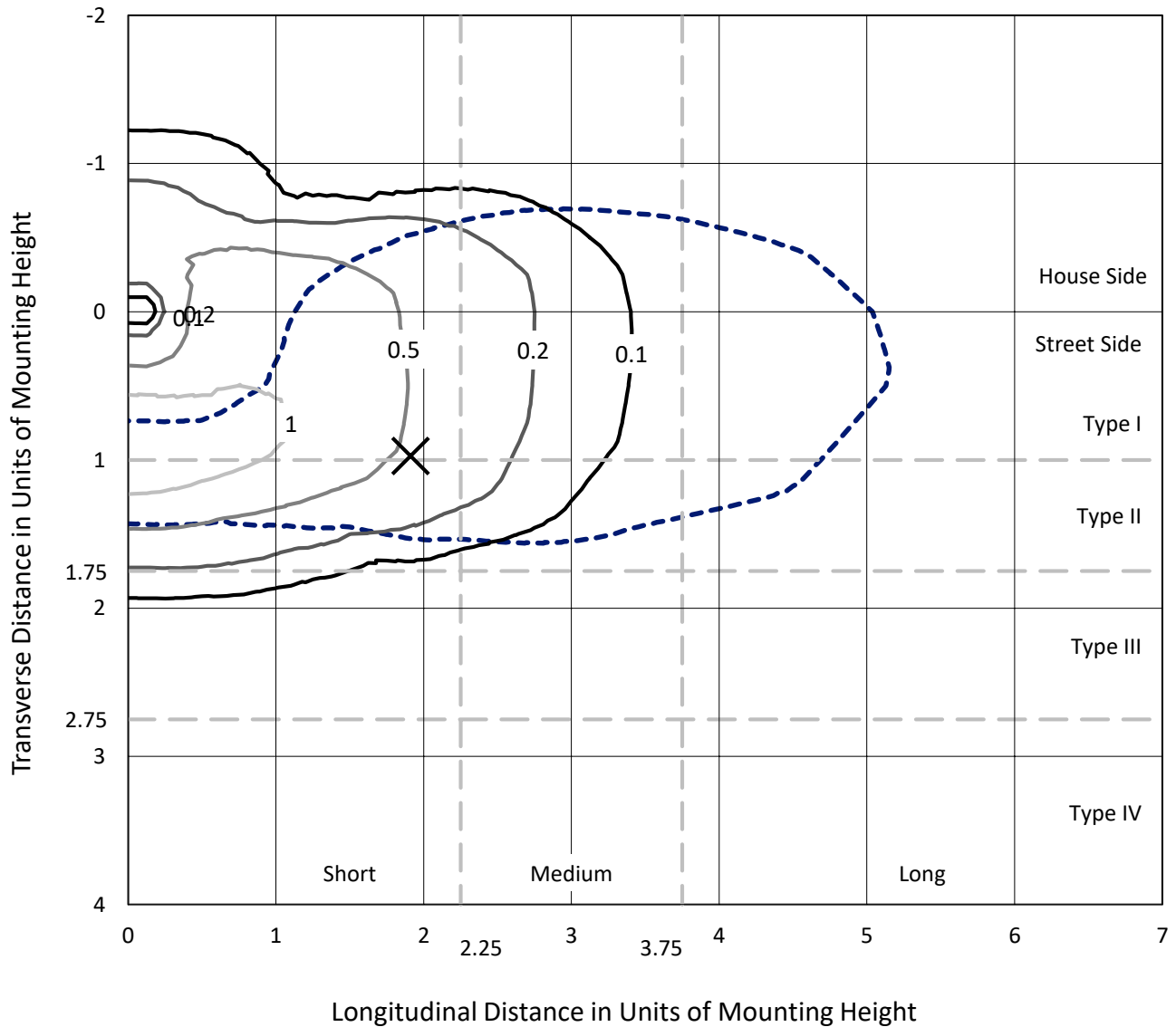


REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

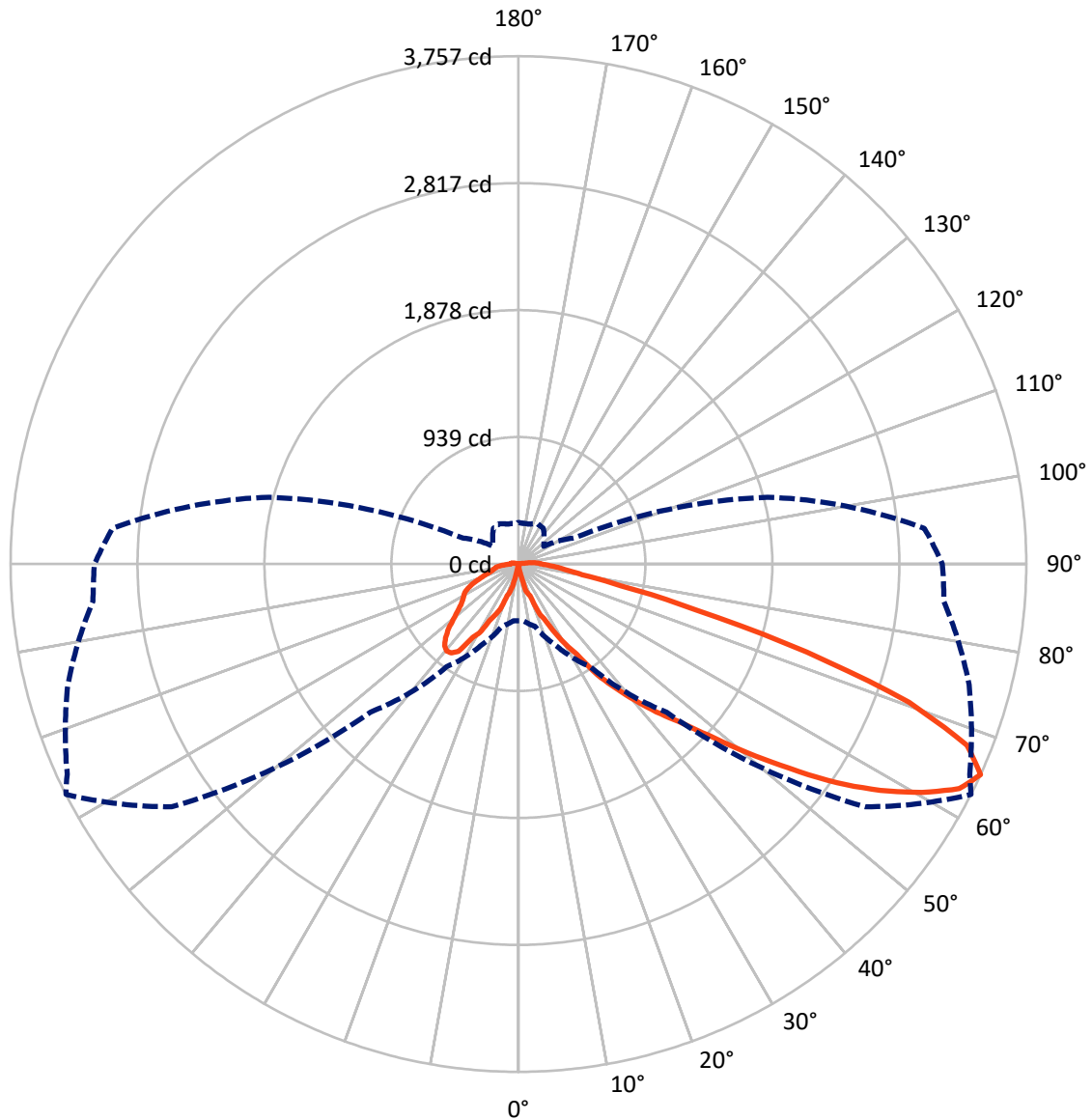


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1652.3	48.0	1700.3
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	4061.0	44.7	4105.7
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	5713.4	92.6	5806.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	52.2	0.9
20°-30°	213.3	3.7
30°-40°	554.2	9.5
40°-50°	1053.9	18.2
50°-60°	1418.7	24.4
60°-70°	1344.0	23.1
70°-80°	842.2	14.5
80°-90°	231.3	4.0
90°-100°	64.7	1.1
100°-110°	12.0	0.2
110°-120°	5.8	0.1
120°-130°	4.2	0.1
130°-140°	2.7	0.0
140°-150°	2.2	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5713.4	98.4
0°-180°	5806.0	100.0



REPORT NUMBER: P415462

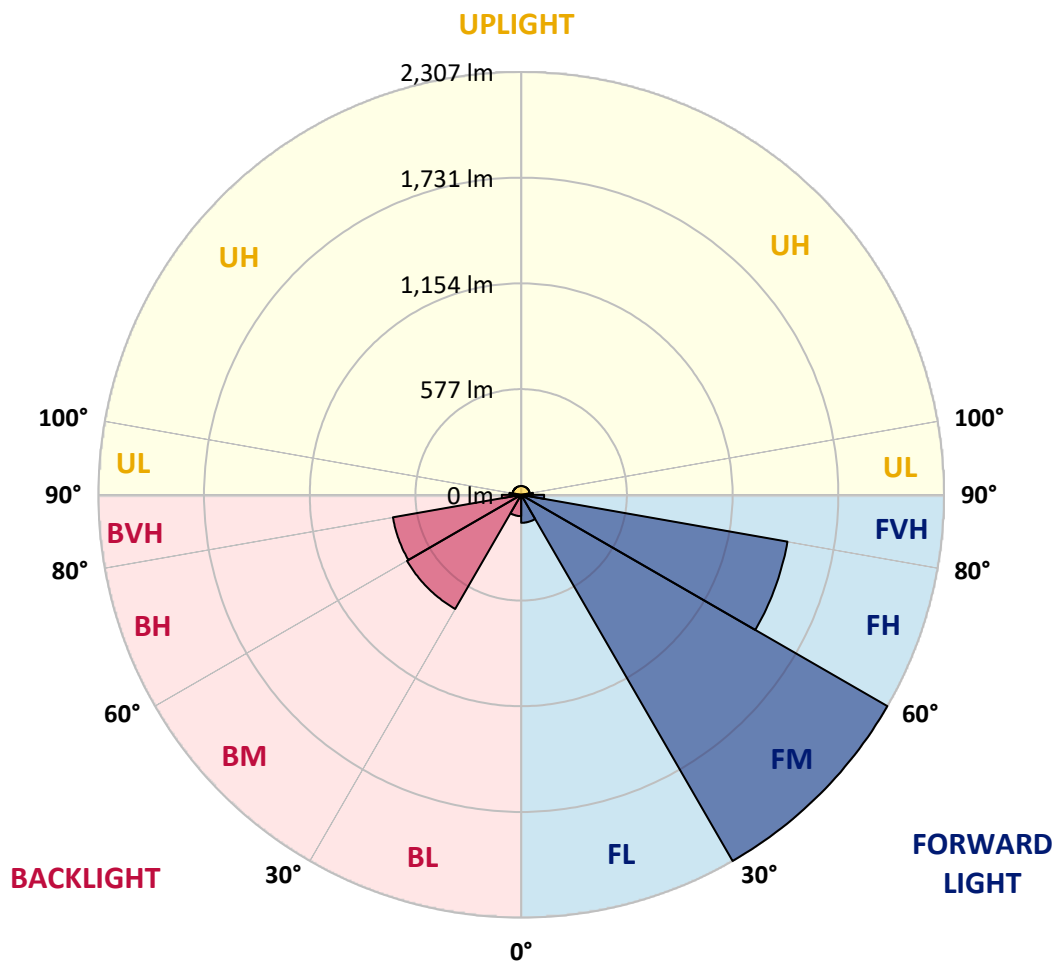
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.8	2.6			
FM (30°-60°)	2307.4	39.7			
FH (60°-80°)	1475.4	25.4			G1/1800
FVH (80°-90°)	125.4	2.2			G2/225
BL (0°-30°)	116.4	2.0	B1/500		
BM (30°-60°)	719.4	12.4	B1/1000		
BH (60°-80°)	710.7	12.2	B2/1000		G2/1000
BVH (80°-90°)	105.8	1.8			G2/225
UL (90°-100°)	64.7	1.1		U3/500	
UH (100°-180°)	48.0	0.8		U2/50	

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

Type II Short





REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.7	7.1	7.7	7.7	7.1	6.4	5.8	5.1	4.5	3.2	2.6
5°	90.7	91.3	90.0	88.1	31.5	14.1	8.4	6.4	5.8	3.9	3.2
7.5°	104.2	103.5	102.9	101.6	97.1	91.3	49.5	11.6	9.0	5.1	3.2
10°	114.5	113.2	110.0	109.3	104.8	101.6	93.9	60.4	50.8	9.0	6.4
12.5°	208.3	203.8	200.0	165.3	115.7	109.3	104.8	91.3	89.4	57.2	85.5
15°	218.0	218.6	216.1	212.2	203.2	136.3	169.8	205.8	205.1	177.5	174.9
17.5°	247.6	245.6	236.0	226.3	223.1	242.4	240.5	229.6	229.6	203.2	192.3
20°	382.6	379.4	373.6	311.2	277.1	313.2	293.9	255.9	257.2	313.8	340.8
22.5°	443.1	441.8	430.2	402.5	392.3	345.3	387.1	400.6	392.9	397.4	380.7
25°	606.4	600.0	549.2	500.3	506.1	466.2	465.6	457.2	452.7	432.8	463.0
27.5°	771.6	766.5	754.9	686.1	584.5	562.0	526.0	574.2	561.4	607.7	618.0
30°	1022.4	975.5	877.7	831.4	798.0	690.6	680.3	695.1	691.3	678.4	666.8
32.5°	1283.5	1264.2	1207.0	1037.9	931.8	870.0	839.8	794.1	772.9	911.2	920.8
35°	1556.1	1538.1	1398.0	1299.6	1117.6	1017.3	1000.6	1007.0	978.7	1046.2	1030.1
37.5°	2035.9	2026.8	1886.0	1580.6	1390.2	1194.1	1171.0	1163.3	1118.9	1167.8	1168.4
40°	2343.9	2329.1	2173.5	1948.4	1641.7	1478.3	1365.8	1321.4	1309.9	1312.4	1313.1
42.5°	2572.8	2549.0	2458.3	2251.3	1931.0	1739.4	1580.6	1495.1	1518.2	1473.2	1470.6
45°	2721.3	2708.5	2626.2	2453.2	2231.3	2136.2	1855.2	1662.2	1740.1	1659.7	1655.8
47.5°	2754.8	2749.0	2691.7	2604.9	2512.3	2472.5	2186.3	1891.2	1962.5	1927.2	1855.2
50°	2609.4	2614.6	2593.4	2624.9	2725.8	2771.5	2535.5	2194.7	2233.9	2149.7	2057.7
52.5°	2291.8	2291.1	2368.3	2507.8	2804.3	2986.9	2858.9	2510.4	2508.5	2356.1	2251.9
55°	1839.7	1874.4	2005.0	2221.7	2696.9	3085.9	3165.7	2857.7	2803.6	2597.2	2424.9
57.5°	1401.8	1446.8	1606.9	1803.7	2391.4	3015.8	3388.8	3159.2	3103.3	2814.6	2608.2
60°	948.5	965.8	1167.8	1395.4	1902.1	2746.4	3493.6	3431.2	3369.5	3036.4	2793.3
62.5°	632.1	647.5	763.3	1040.4	1363.9	2232.0	3426.1	3660.8	3579.1	3298.8	2986.9
65°	420.5	420.5	477.8	669.4	927.9	1549.7	3130.3	3756.6	3682.7	3450.5	3158.6
67.5°	309.9	315.1	333.7	431.5	632.1	927.3	2489.8	3579.8	3587.5	3467.9	3213.2
70°	281.0	284.2	300.3	325.4	451.4	551.7	1645.5	3066.6	3199.7	3336.7	3143.2
72.5°	245.6	246.9	272.6	299.7	355.6	423.1	956.8	2228.8	2508.5	3051.2	2950.2
75°	205.8	207.7	228.3	268.8	307.4	355.0	509.3	1356.8	1635.2	2619.7	2695.0
77.5°	167.2	171.7	188.4	219.9	282.3	297.7	391.0	775.5	947.2	1951.0	2278.3
80°	128.6	133.1	147.9	173.0	230.8	263.0	324.7	477.1	574.2	1212.8	1592.2
82.5°	88.1	91.3	106.1	124.7	165.3	219.3	268.8	351.7	380.0	663.6	878.4
85°	62.4	64.3	73.9	82.3	102.9	144.0	224.4	279.1	286.8	351.7	357.5
87.5°	35.4	34.7	36.0	41.8	46.9	55.9	132.5	204.5	214.1	245.0	227.6
90°	24.4	23.8	19.9	19.3	21.9	23.8	75.2	162.7	171.0	197.4	202.6
92.5°	25.7	24.4	19.3	18.0	20.6	21.9	50.2	142.1	160.1	197.4	208.3
95°	24.4	23.1	17.4	15.4	18.6	19.3	30.9	97.7	126.0	184.6	203.8
97.5°	21.2	19.9	14.1	12.9	15.4	15.4	17.4	45.0	61.7	86.2	97.1
100°	17.4	16.1	11.6	10.3	10.9	11.6	10.9	22.5	22.5	23.8	18.6
102.5°	15.4	14.8	9.6	8.4	7.7	7.7	7.1	10.9	11.6	12.9	16.1
105°	13.5	12.9	8.4	7.1	5.8	5.8	5.1	7.1	7.7	10.9	15.4
107.5°	9.6	9.6	7.1	5.8	5.1	5.1	3.9	5.8	6.4	9.6	16.1
110°	6.4	6.4	5.1	5.1	4.5	5.1	3.9	5.8	5.8	7.7	12.2



REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.1	5.1	4.5	3.9	3.2	3.9	4.5	5.1	5.1	5.8	7.7
115°	5.1	4.5	3.9	3.2	2.6	3.2	3.2	4.5	4.5	5.8	7.7
117.5°	5.1	5.1	3.9	3.2	2.6	2.6	3.2	3.9	3.9	5.8	8.4
120°	5.1	5.1	3.9	3.2	2.6	1.9	2.6	3.9	3.9	5.1	7.7
122.5°	5.1	5.1	3.9	3.2	2.6	1.9	2.6	3.2	3.2	4.5	7.7
125°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	2.6	2.6	4.5	7.1
127.5°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	2.6	2.6	3.9	5.8
130°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	1.9	1.9	3.2	5.1
132.5°	5.8	5.1	4.5	3.9	3.2	2.6	2.6	1.9	1.9	1.9	3.9
135°	5.1	5.1	4.5	3.9	3.2	2.6	2.6	1.9	1.9	1.9	2.6
137.5°	5.1	5.1	5.1	4.5	3.9	3.2	2.6	1.9	1.9	1.9	1.9
140°	5.8	5.8	5.8	5.1	3.9	3.2	2.6	1.9	1.9	1.9	1.9
142.5°	6.4	6.4	6.4	5.8	3.9	3.2	3.2	1.9	1.9	1.9	1.9
145°	7.1	7.1	7.1	5.8	3.9	3.2	3.2	2.6	2.6	1.9	2.6
147.5°	7.7	7.7	7.1	5.8	3.2	2.6	2.6	2.6	2.6	2.6	2.6
150°	7.1	6.4	6.4	4.5	2.6	1.3	1.9	1.9	1.9	2.6	2.6
152.5°	5.1	5.1	4.5	3.2	1.9	0.6	1.3	1.3	1.9	1.9	1.9
155°	3.2	3.2	2.6	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	2.6	2.6	3.2	3.9	3.9	4.5	4.5	4.5	4.5	4.5	4.5
5°	2.6	2.6	3.2	3.9	4.5	5.1	5.8	5.8	5.8	6.4	6.4
7.5°	3.2	3.2	3.2	4.5	5.1	7.1	19.3	57.9	89.4	92.0	93.2
10°	6.4	6.4	6.4	6.4	14.1	82.3	102.2	106.7	109.3	111.2	111.2
12.5°	86.2	85.5	30.9	15.4	70.7	106.7	113.2	116.4	119.0	120.9	121.5
15°	174.9	175.5	175.5	177.5	128.6	116.4	122.8	181.3	214.8	221.2	223.8
17.5°	191.6	191.6	191.0	212.8	239.2	189.1	210.9	230.2	236.6	239.9	241.1
20°	349.8	349.2	281.6	244.4	252.7	313.8	236.0	245.0	250.1	298.4	299.7
22.5°	385.8	383.9	375.5	377.5	297.7	339.5	323.4	313.8	344.0	342.7	344.0
25°	473.9	427.6	409.6	405.8	431.5	353.0	374.9	324.7	332.4	331.2	332.4
27.5°	620.5	603.8	562.0	475.2	459.8	436.0	375.5	340.8	383.2	392.9	394.2
30°	665.5	644.3	600.0	603.8	512.5	443.7	365.9	377.5	362.7	361.4	358.8
32.5°	912.5	884.8	817.9	658.5	571.0	416.7	367.8	343.4	351.1	376.8	378.1
35°	1016.6	985.1	938.2	840.4	553.7	409.0	336.3	335.0	340.2	340.8	339.5
37.5°	1135.0	1093.8	1049.4	885.5	578.1	370.4	313.8	314.4	326.0	348.5	346.0
40°	1272.6	1226.9	1154.9	911.8	518.9	347.2	299.0	308.7	320.9	315.7	311.2
42.5°	1427.5	1352.9	1239.8	906.7	451.4	320.2	295.2	301.6	299.7	290.0	287.4
45°	1587.7	1508.6	1322.7	863.6	390.3	302.9	288.1	290.0	282.3	270.1	267.5
47.5°	1772.2	1668.0	1369.7	800.6	341.5	301.6	286.2	279.7	264.9	254.0	253.4
50°	1958.0	1844.2	1443.0	716.3	304.8	296.4	290.7	277.1	259.1	248.2	246.9
52.5°	2140.0	2040.4	1522.1	645.6	277.1	290.7	292.6	278.4	259.1	243.1	242.4
55°	2322.6	2235.2	1607.6	589.7	258.5	290.0	299.7	282.3	263.0	239.2	238.6
57.5°	2505.9	2421.0	1689.9	552.4	250.1	281.6	304.2	294.5	273.3	253.4	254.6
60°	2723.3	2622.9	1787.0	526.0	246.9	277.1	308.0	308.7	279.7	257.2	260.4
62.5°	2936.7	2835.1	1869.3	501.6	238.6	272.6	309.9	319.6	293.9	274.6	277.8
65°	3135.4	3014.6	1907.2	454.6	228.3	267.5	321.5	329.2	304.8	302.9	306.7
67.5°	3211.3	3098.8	1869.9	396.1	221.8	267.5	333.7	342.7	316.4	326.7	337.0
70°	3138.0	3044.1	1776.1	322.8	223.8	269.4	335.7	349.2	333.1	341.5	350.5
72.5°	2910.4	2790.8	1547.8	259.8	223.8	266.9	327.3	338.9	326.7	354.3	363.3
75°	2622.9	2414.6	1232.1	214.1	217.3	265.6	308.0	321.5	309.3	338.2	347.9
77.5°	2166.4	1899.5	852.0	189.1	208.3	254.0	288.1	290.7	278.4	295.8	300.3
80°	1527.9	1280.3	539.5	171.0	199.3	229.6	255.3	250.8	238.6	241.8	245.6
82.5°	852.0	677.1	314.4	157.5	187.1	191.0	209.0	210.3	194.2	194.8	195.5
85°	338.2	313.2	212.8	132.5	151.1	137.6	156.3	162.7	147.3	129.3	125.4
87.5°	224.4	212.8	148.5	90.7	92.6	77.8	101.6	105.5	86.8	75.2	74.6
90°	213.5	207.1	128.0	61.1	51.4	42.4	56.6	54.7	41.8	36.7	37.3
92.5°	219.9	216.1	129.9	58.5	50.2	40.5	50.2	43.1	31.5	27.7	28.3
95°	216.7	214.8	126.7	57.2	47.6	37.3	42.4	34.7	24.4	21.9	21.9
97.5°	102.9	108.7	78.5	51.4	42.4	31.5	32.8	26.4	17.4	16.1	15.4
100°	15.4	24.4	42.4	47.6	31.5	21.9	21.2	17.4	10.9	10.3	10.3
102.5°	16.1	17.4	26.4	32.8	17.4	11.6	11.6	10.3	8.4	9.6	9.6
105°	17.4	16.1	15.4	18.0	10.3	7.1	6.4	6.4	7.1	10.3	10.9
107.5°	18.6	17.4	12.2	9.6	7.7	6.4	5.1	4.5	6.4	10.9	11.6
110°	14.1	13.5	10.3	7.7	7.7	7.1	4.5	4.5	7.1	11.6	12.9



REPORT NUMBER: P415462

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	9.6	9.0	7.1	6.4	6.4	4.5	4.5	7.1	12.2	13.5
115°	9.0	9.0	7.7	5.8	5.1	5.1	4.5	3.9	7.1	12.9	13.5
117.5°	9.0	9.0	7.7	5.8	4.5	3.9	3.9	3.9	7.1	12.9	13.5
120°	9.0	9.0	7.7	5.1	4.5	3.9	3.9	3.9	7.1	12.2	13.5
122.5°	8.4	8.4	7.1	5.1	3.9	3.9	3.9	3.9	7.1	11.6	12.2
125°	7.7	7.7	6.4	4.5	3.9	3.2	3.9	3.9	6.4	10.3	10.9
127.5°	6.4	7.1	5.8	4.5	3.9	3.2	3.9	3.9	5.8	9.0	9.6
130°	5.8	5.8	5.1	3.9	3.2	3.2	3.9	3.9	5.8	8.4	9.0
132.5°	4.5	4.5	3.9	3.9	3.2	3.2	3.2	3.2	4.5	7.1	7.1
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9	5.1	5.8
137.5°	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.5	4.5
140°	1.9	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.9	3.9
142.5°	1.9	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.9	4.5	4.5
145°	2.6	2.6	3.2	3.2	3.2	2.6	3.2	3.2	3.9	4.5	4.5
147.5°	2.6	2.6	3.2	3.2	3.2	2.6	2.6	3.2	3.9	4.5	4.5
150°	2.6	2.6	3.2	3.2	2.6	1.9	2.6	2.6	3.2	4.5	4.5
152.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	1.9	2.6	3.2	3.2
155°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	2.6
157.5°	1.3	1.3	1.3	1.9	1.3	1.3	0.6	0.6	0.6	1.3	1.3
160°	0.6	0.6	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
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

(END OF REPORT)