

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: P415514

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415514  
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-PA1-50-740-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 6374.9 lumens  
Efficiency: N/A  
Efficacy: 118.1 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

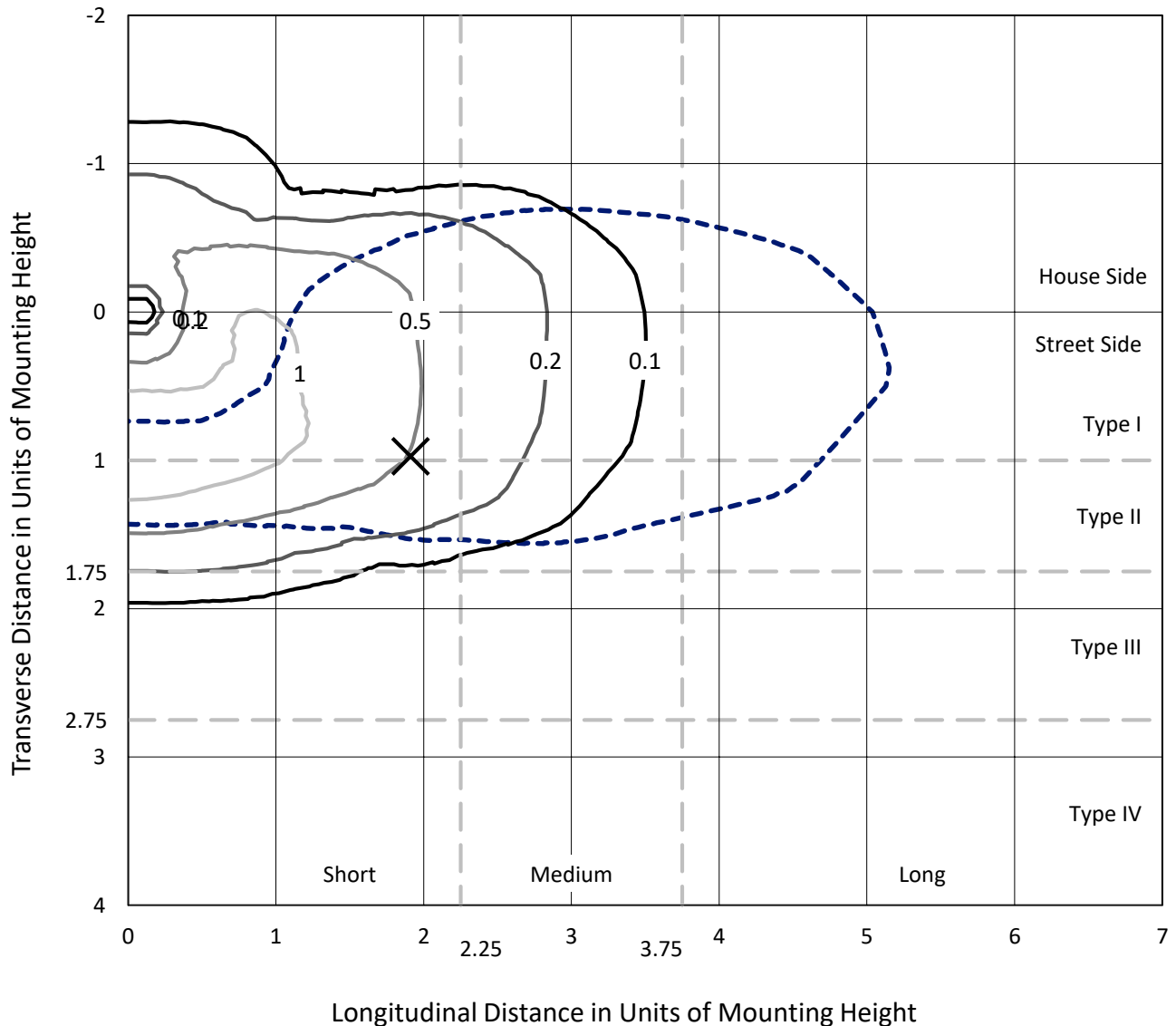


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

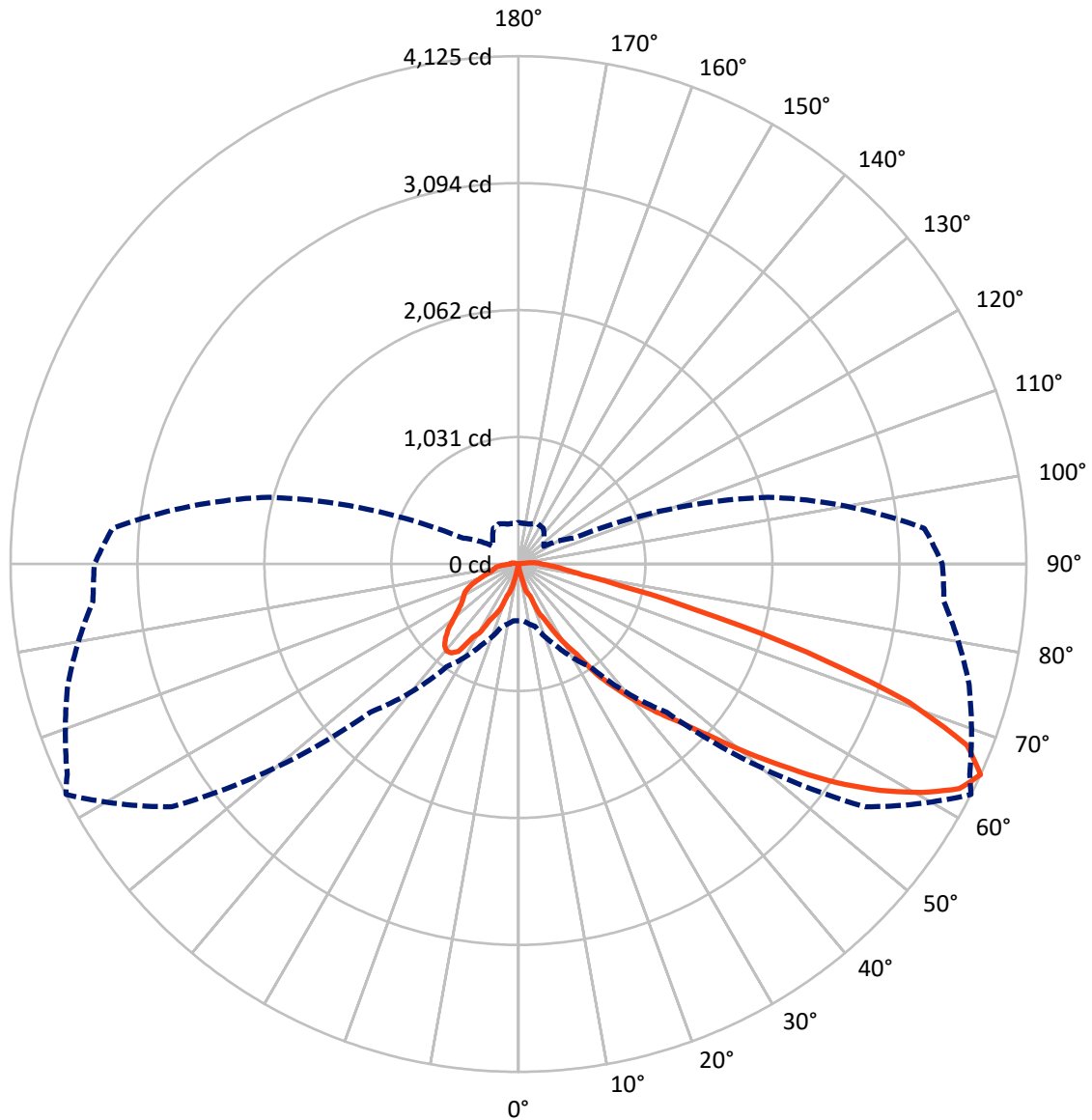


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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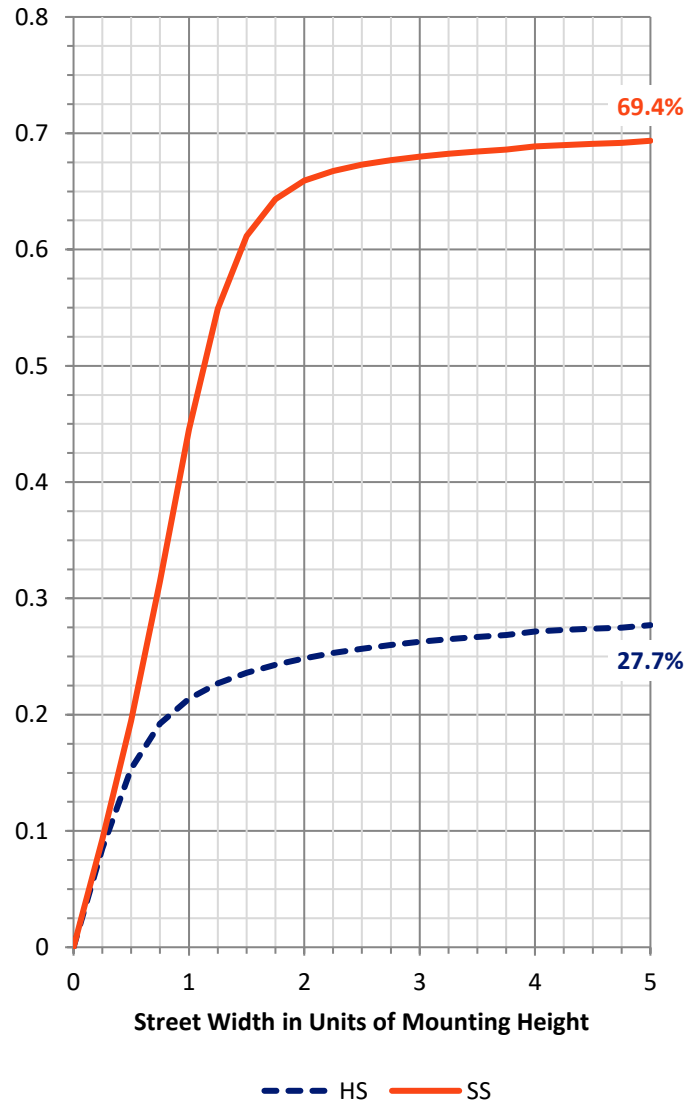
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1814.2	52.6	1866.9
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	4459.0	49.0	4508.1
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	6273.3	101.7	6374.9
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	57.3	0.9
20°-30°	234.2	3.7
30°-40°	608.5	9.5
40°-50°	1157.1	18.2
50°-60°	1557.7	24.4
60°-70°	1475.7	23.1
70°-80°	924.7	14.5
80°-90°	253.9	4.0
90°-100°	71.1	1.1
100°-110°	13.2	0.2
110°-120°	6.4	0.1
120°-130°	4.6	0.1
130°-140°	3.0	0.0
140°-150°	2.4	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6273.3	98.4
0°-180°	6374.9	100.0

**Coefficient of Utilization**



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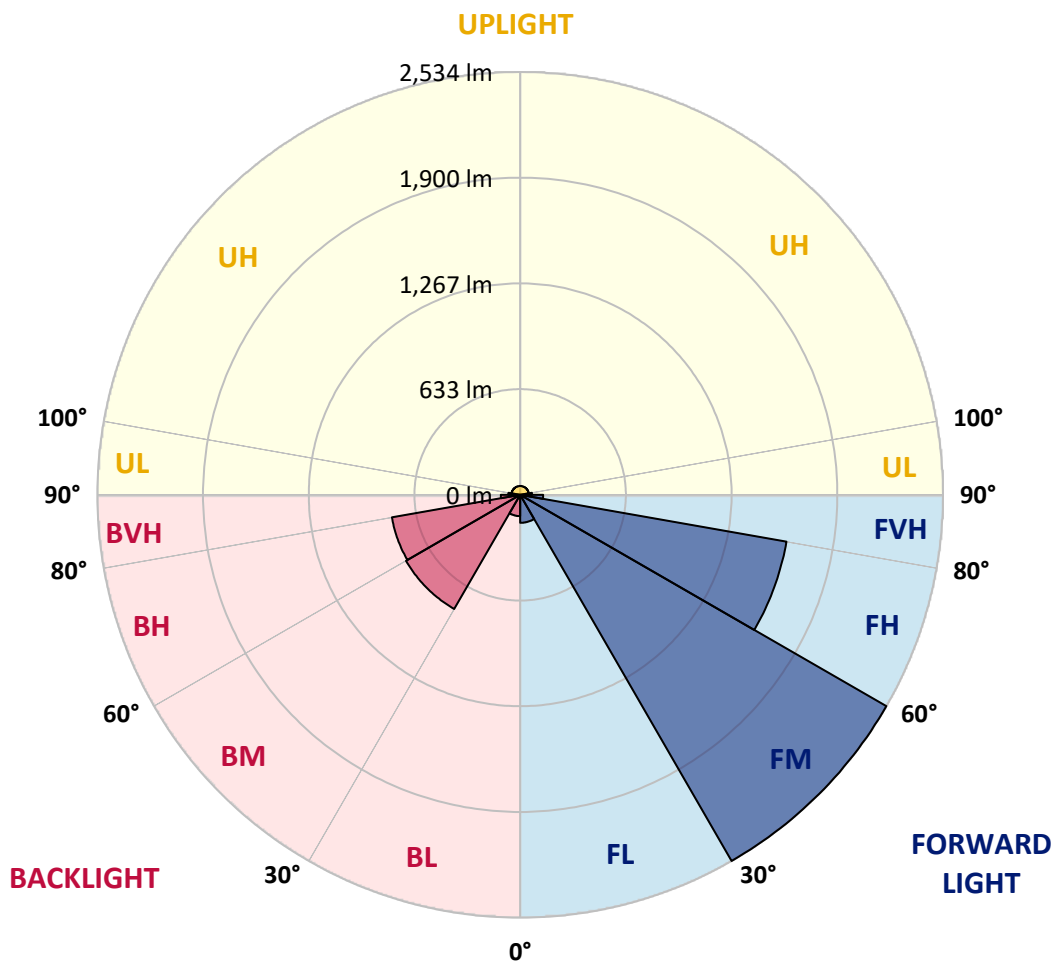
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.8	2.6			
FM (30°-60°)	2533.5	39.7			
FH (60°-80°)	1620.0	25.4			G1/1800
FVH (80°-90°)	137.7	2.2			G2/225
BL (0°-30°)	127.8	2.0	B1/500		
BM (30°-60°)	789.9	12.4	B1/1000		
BH (60°-80°)	780.4	12.2	B2/1000		G2/1000
BVH (80°-90°)	116.2	1.8			G2/225
UL (90°-100°)	71.1	1.1		U3/500	
UH (100°-180°)	52.6	0.8		U3/500	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	8.5	7.8	8.5	8.5	7.8	7.1	6.4	5.6	4.9	3.5	2.8
5°	99.6	100.3	98.8	96.7	34.6	15.5	9.2	7.1	6.4	4.2	3.5
7.5°	114.4	113.7	113.0	111.6	106.6	100.3	54.4	12.7	9.9	5.6	3.5
10°	125.7	124.3	120.7	120.0	115.1	111.6	103.1	66.4	55.8	9.9	7.1
12.5°	228.8	223.8	219.6	181.5	127.1	120.0	115.1	100.3	98.1	62.8	93.9
15°	239.4	240.1	237.2	233.0	223.1	149.7	186.4	225.9	225.2	194.9	192.0
17.5°	271.8	269.7	259.1	248.5	245.0	266.2	264.1	252.1	252.1	223.1	211.1
20°	420.1	416.6	410.2	341.7	304.3	343.8	322.7	281.0	282.4	344.6	374.2
22.5°	486.5	485.1	472.4	442.0	430.7	379.2	425.0	439.9	431.4	436.3	418.0
25°	665.8	658.7	603.0	549.3	555.7	511.9	511.2	502.0	497.1	475.2	508.4
27.5°	847.3	841.6	828.9	753.4	641.8	617.1	577.6	630.5	616.4	667.2	678.5
30°	1122.6	1071.1	963.8	912.9	876.2	758.3	747.0	763.2	759.0	744.9	732.2
32.5°	1409.3	1388.1	1325.3	1139.6	1023.1	955.3	922.1	872.0	848.7	1000.5	1011.1
35°	1708.7	1688.9	1535.0	1426.9	1227.1	1117.0	1098.6	1105.7	1074.6	1148.8	1131.1
37.5°	2235.4	2225.5	2070.9	1735.5	1526.5	1311.1	1285.7	1277.3	1228.5	1282.2	1282.9
40°	2573.6	2557.3	2386.5	2139.3	1802.6	1623.2	1499.7	1450.9	1438.2	1441.1	1441.8
42.5°	2824.9	2798.8	2699.2	2471.9	2120.3	1909.9	1735.5	1641.6	1667.0	1617.6	1614.7
45°	2988.0	2973.9	2883.5	2693.6	2450.0	2345.5	2037.0	1825.2	1910.6	1822.3	1818.1
47.5°	3024.7	3018.4	2955.5	2860.2	2758.6	2714.8	2400.6	2076.5	2154.9	2116.0	2037.0
50°	2865.2	2870.8	2847.5	2882.1	2993.0	3043.1	2784.0	2409.8	2452.8	2360.3	2259.4
52.5°	2516.4	2515.7	2600.4	2753.6	3079.1	3279.6	3139.1	2756.4	2754.3	2587.0	2472.6
55°	2020.0	2058.1	2201.5	2439.4	2961.2	3388.4	3475.9	3137.7	3078.4	2851.8	2662.5
57.5°	1539.2	1588.6	1764.4	1980.5	2625.8	3311.4	3720.9	3468.8	3407.4	3090.4	2863.8
60°	1041.4	1060.5	1282.2	1532.1	2088.5	3015.6	3836.0	3767.5	3699.7	3334.0	3067.1
62.5°	694.1	711.0	838.1	1142.4	1497.5	2450.7	3761.9	4019.6	3929.9	3622.1	3279.6
65°	461.8	461.8	524.6	735.0	1018.8	1701.6	3437.1	4124.8	4043.6	3788.7	3468.1
67.5°	340.3	346.0	366.4	473.8	694.1	1018.1	2733.8	3930.6	3939.1	3807.8	3528.2
70°	308.5	312.1	329.7	357.3	495.7	605.8	1806.8	3367.2	3513.3	3663.7	3451.2
72.5°	269.7	271.1	299.4	329.0	390.4	464.6	1050.6	2447.2	2754.3	3350.2	3239.4
75°	225.9	228.1	250.6	295.1	337.5	389.7	559.2	1489.8	1795.5	2876.5	2959.1
77.5°	183.6	188.5	206.9	241.5	310.0	326.9	429.3	851.5	1040.0	2142.2	2501.6
80°	141.2	146.2	162.4	189.9	253.5	288.8	356.6	523.9	630.5	1331.6	1748.2
82.5°	96.7	100.3	116.5	137.0	181.5	240.8	295.1	386.2	417.3	728.6	964.5
85°	68.5	70.6	81.2	90.4	113.0	158.2	246.4	306.4	314.9	386.2	392.6
87.5°	38.8	38.1	39.5	45.9	51.5	61.4	145.4	224.5	235.1	269.0	249.9
90°	26.8	26.1	21.9	21.2	24.0	26.1	82.6	178.6	187.8	216.8	222.4
92.5°	28.2	26.8	21.2	19.8	22.6	24.0	55.1	156.0	175.8	216.8	228.8
95°	26.8	25.4	19.1	16.9	20.5	21.2	33.9	107.3	138.4	202.6	223.8
97.5°	23.3	21.9	15.5	14.1	16.9	16.9	19.1	49.4	67.8	94.6	106.6
100°	19.1	17.7	12.7	11.3	12.0	12.7	12.0	24.7	24.7	26.1	20.5
102.5°	16.9	16.2	10.6	9.2	8.5	8.5	7.8	12.0	12.7	14.1	17.7
105°	14.8	14.1	9.2	7.8	6.4	6.4	5.6	7.8	8.5	12.0	16.9
107.5°	10.6	10.6	7.8	6.4	5.6	5.6	4.2	6.4	7.1	10.6	17.7
110°	7.1	7.1	5.6	5.6	4.9	5.6	4.2	6.4	6.4	8.5	13.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.6	5.6	4.9	4.2	3.5	4.2	4.9	5.6	5.6	6.4	8.5
115°	5.6	4.9	4.2	3.5	2.8	3.5	3.5	4.9	4.9	6.4	8.5
117.5°	5.6	5.6	4.2	3.5	2.8	2.8	3.5	4.2	4.2	6.4	9.2
120°	5.6	5.6	4.2	3.5	2.8	2.1	2.8	4.2	4.2	5.6	8.5
122.5°	5.6	5.6	4.2	3.5	2.8	2.1	2.8	3.5	3.5	4.9	8.5
125°	6.4	6.4	4.9	3.5	2.8	2.1	2.8	2.8	2.8	4.9	7.8
127.5°	6.4	6.4	4.9	3.5	2.8	2.1	2.8	2.8	2.8	4.2	6.4
130°	6.4	6.4	4.9	3.5	2.8	2.1	2.8	2.1	2.1	3.5	5.6
132.5°	6.4	5.6	4.9	4.2	3.5	2.8	2.8	2.1	2.1	2.1	4.2
135°	5.6	5.6	4.9	4.2	3.5	2.8	2.8	2.1	2.1	2.1	2.8
137.5°	5.6	5.6	5.6	4.9	4.2	3.5	2.8	2.1	2.1	2.1	2.1
140°	6.4	6.4	6.4	5.6	4.2	3.5	2.8	2.1	2.1	2.1	2.1
142.5°	7.1	7.1	7.1	6.4	4.2	3.5	3.5	2.1	2.1	2.1	2.1
145°	7.8	7.8	7.8	6.4	4.2	3.5	3.5	2.8	2.8	2.1	2.8
147.5°	8.5	8.5	7.8	6.4	3.5	2.8	2.8	2.8	2.8	2.8	2.8
150°	7.8	7.1	7.1	4.9	2.8	1.4	2.1	2.1	2.1	2.8	2.8
152.5°	5.6	5.6	4.9	3.5	2.1	0.7	1.4	1.4	2.1	2.1	2.1
155°	3.5	3.5	2.8	2.1	1.4	0.7	0.7	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	2.8	2.8	3.5	4.2	4.2	4.9	4.9	4.9	4.9	4.9	4.9
5°	2.8	2.8	3.5	4.2	4.9	5.6	6.4	6.4	6.4	7.1	7.1
7.5°	3.5	3.5	3.5	4.9	5.6	7.8	21.2	63.5	98.1	101.0	102.4
10°	7.1	7.1	7.1	7.1	15.5	90.4	112.3	117.2	120.0	122.1	122.1
12.5°	94.6	93.9	33.9	16.9	77.7	117.2	124.3	127.8	130.6	132.7	133.4
15°	192.0	192.8	192.8	194.9	141.2	127.8	134.9	199.1	235.8	242.9	245.7
17.5°	210.4	210.4	209.7	233.7	262.7	207.6	231.6	252.8	259.8	263.4	264.8
20°	384.1	383.4	309.3	268.3	277.5	344.6	259.1	269.0	274.7	327.6	329.0
22.5°	423.6	421.5	412.3	414.5	326.9	372.8	355.1	344.6	377.7	376.3	377.7
25°	520.4	469.5	449.8	445.5	473.8	387.6	411.6	356.6	365.0	363.6	365.0
27.5°	681.3	663.0	617.1	521.8	504.8	478.7	412.3	374.2	420.8	431.4	432.8
30°	730.8	707.5	658.7	663.0	562.7	487.2	401.7	414.5	398.2	396.8	394.0
32.5°	1001.9	971.5	898.1	723.0	627.0	457.5	403.9	377.0	385.5	413.7	415.2
35°	1116.3	1081.7	1030.1	922.8	607.9	449.1	369.3	367.9	373.5	374.2	372.8
37.5°	1246.2	1201.0	1152.3	972.2	634.7	406.7	344.6	345.3	358.0	382.7	379.9
40°	1397.3	1347.2	1268.1	1001.2	569.8	381.3	328.3	338.9	352.3	346.7	341.7
42.5°	1567.4	1485.5	1361.3	995.5	495.7	351.6	324.1	331.1	329.0	318.4	315.6
45°	1743.2	1656.4	1452.4	948.2	428.6	332.6	316.3	318.4	310.0	296.5	293.7
47.5°	1945.9	1831.5	1503.9	879.0	374.9	331.1	314.2	307.1	290.9	278.9	278.2
50°	2149.9	2025.0	1584.4	786.5	334.7	325.5	319.1	304.3	284.5	272.5	271.1
52.5°	2349.7	2240.3	1671.2	708.9	304.3	319.1	321.3	305.7	284.5	266.9	266.2
55°	2550.3	2454.2	1765.1	647.5	283.8	318.4	329.0	310.0	288.8	262.7	261.9
57.5°	2751.5	2658.3	1855.5	606.5	274.7	309.3	334.0	323.4	300.1	278.2	279.6
60°	2990.1	2880.0	1962.1	577.6	271.1	304.3	338.2	338.9	307.1	282.4	286.0
62.5°	3224.6	3113.0	2052.5	550.7	261.9	299.4	340.3	350.9	322.7	301.5	305.0
65°	3442.7	3310.0	2094.2	499.2	250.6	293.7	353.0	361.5	334.7	332.6	336.8
67.5°	3526.0	3402.5	2053.2	434.9	243.6	293.7	366.4	376.3	347.4	358.7	370.0
70°	3445.5	3342.5	1950.1	354.4	245.7	295.8	368.6	383.4	365.7	374.9	384.8
72.5°	3195.6	3064.3	1699.5	285.2	245.7	293.0	359.4	372.1	358.7	389.0	398.9
75°	2880.0	2651.2	1352.8	235.1	238.6	291.6	338.2	353.0	339.6	371.4	382.0
77.5°	2378.7	2085.7	935.5	207.6	228.8	278.9	316.3	319.1	305.7	324.8	329.7
80°	1677.6	1405.8	592.4	187.8	218.9	252.1	280.3	275.4	261.9	265.5	269.7
82.5°	935.5	743.5	345.3	173.0	205.5	209.7	229.5	230.9	213.2	213.9	214.6
85°	371.4	343.8	233.7	145.4	165.9	151.1	171.6	178.6	161.7	141.9	137.7
87.5°	246.4	233.7	163.1	99.6	101.7	85.4	111.6	115.8	95.3	82.6	81.9
90°	234.4	227.3	140.5	67.1	56.5	46.6	62.1	60.0	45.9	40.2	41.0
92.5°	241.5	237.2	142.6	64.3	55.1	44.5	55.1	47.3	34.6	30.4	31.1
95°	237.9	235.8	139.1	62.8	52.2	41.0	46.6	38.1	26.8	24.0	24.0
97.5°	113.0	119.3	86.1	56.5	46.6	34.6	36.0	28.9	19.1	17.7	16.9
100°	16.9	26.8	46.6	52.2	34.6	24.0	23.3	19.1	12.0	11.3	11.3
102.5°	17.7	19.1	28.9	36.0	19.1	12.7	12.7	11.3	9.2	10.6	10.6
105°	19.1	17.7	16.9	19.8	11.3	7.8	7.1	7.1	7.8	11.3	12.0
107.5°	20.5	19.1	13.4	10.6	8.5	7.1	5.6	4.9	7.1	12.0	12.7
110°	15.5	14.8	11.3	8.5	8.5	7.8	4.9	4.9	7.8	12.7	14.1



REPORT NUMBER: P415514

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	10.6	9.9	7.8	7.1	7.1	4.9	4.9	7.8	13.4	14.8
115°	9.9	9.9	8.5	6.4	5.6	5.6	4.9	4.2	7.8	14.1	14.8
117.5°	9.9	9.9	8.5	6.4	4.9	4.2	4.2	4.2	7.8	14.1	14.8
120°	9.9	9.9	8.5	5.6	4.9	4.2	4.2	4.2	7.8	13.4	14.8
122.5°	9.2	9.2	7.8	5.6	4.2	4.2	4.2	4.2	7.8	12.7	13.4
125°	8.5	8.5	7.1	4.9	4.2	3.5	4.2	4.2	7.1	11.3	12.0
127.5°	7.1	7.8	6.4	4.9	4.2	3.5	4.2	4.2	6.4	9.9	10.6
130°	6.4	6.4	5.6	4.2	3.5	3.5	4.2	4.2	6.4	9.2	9.9
132.5°	4.9	4.9	4.2	4.2	3.5	3.5	3.5	3.5	4.9	7.8	7.8
135°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.2	5.6	6.4
137.5°	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.9	4.9
140°	2.1	2.8	2.8	3.5	3.5	3.5	3.5	3.5	3.5	4.2	4.2
142.5°	2.1	2.8	2.8	3.5	3.5	3.5	3.5	3.5	4.2	4.9	4.9
145°	2.8	2.8	3.5	3.5	3.5	2.8	3.5	3.5	4.2	4.9	4.9
147.5°	2.8	2.8	3.5	3.5	3.5	2.8	2.8	3.5	4.2	4.9	4.9
150°	2.8	2.8	3.5	3.5	2.8	2.1	2.8	2.8	3.5	4.9	4.9
152.5°	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.1	2.8	3.5	3.5
155°	2.1	2.1	2.1	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.8
157.5°	1.4	1.4	1.4	2.1	1.4	1.4	0.7	0.7	0.7	1.4	1.4
160°	0.7	0.7	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
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)