

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: P414072

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414072  
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-PA1-100-830-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA 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: 7551 lumens  
Efficiency: N/A  
Efficacy: 78.7 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

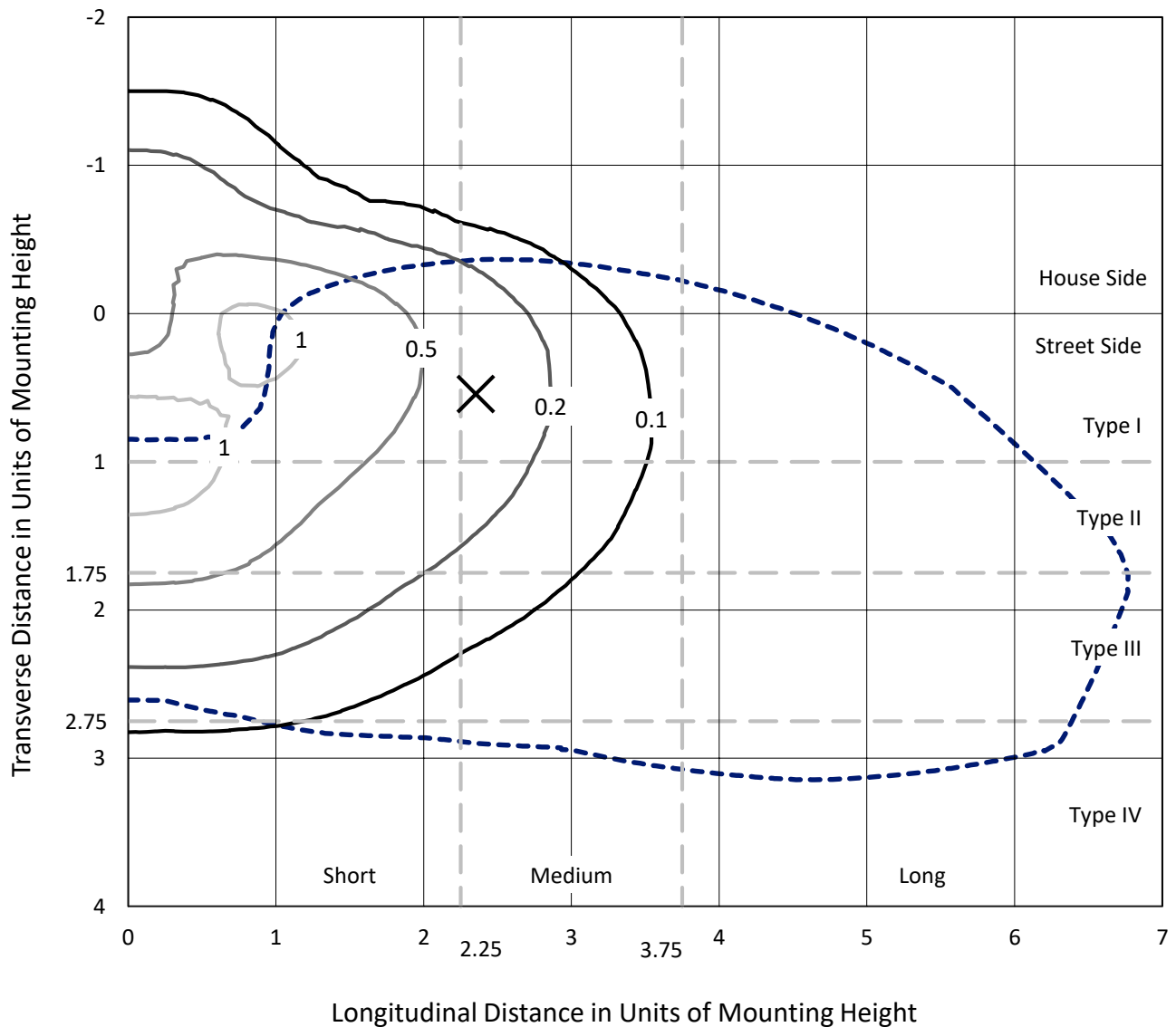
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

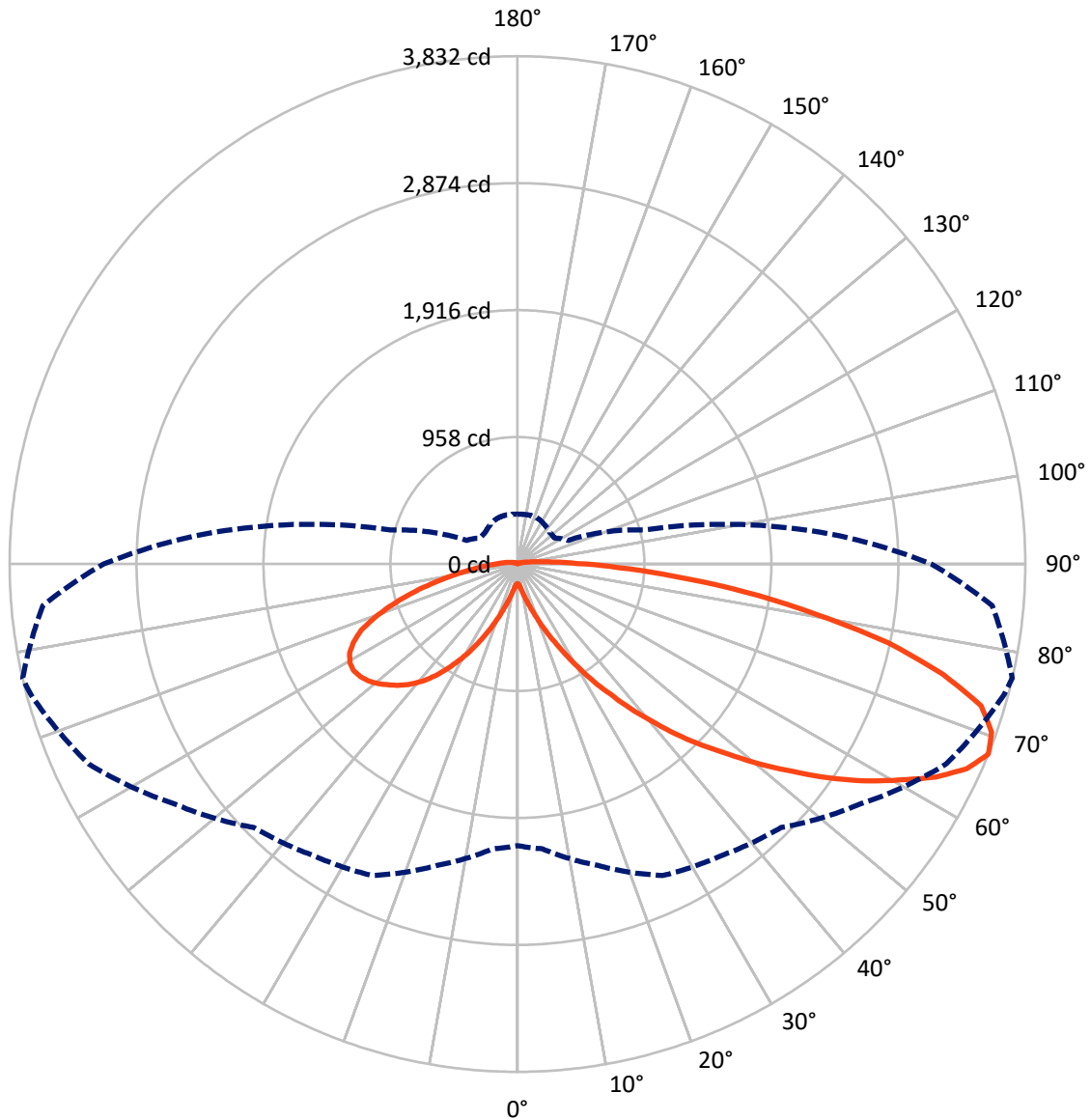


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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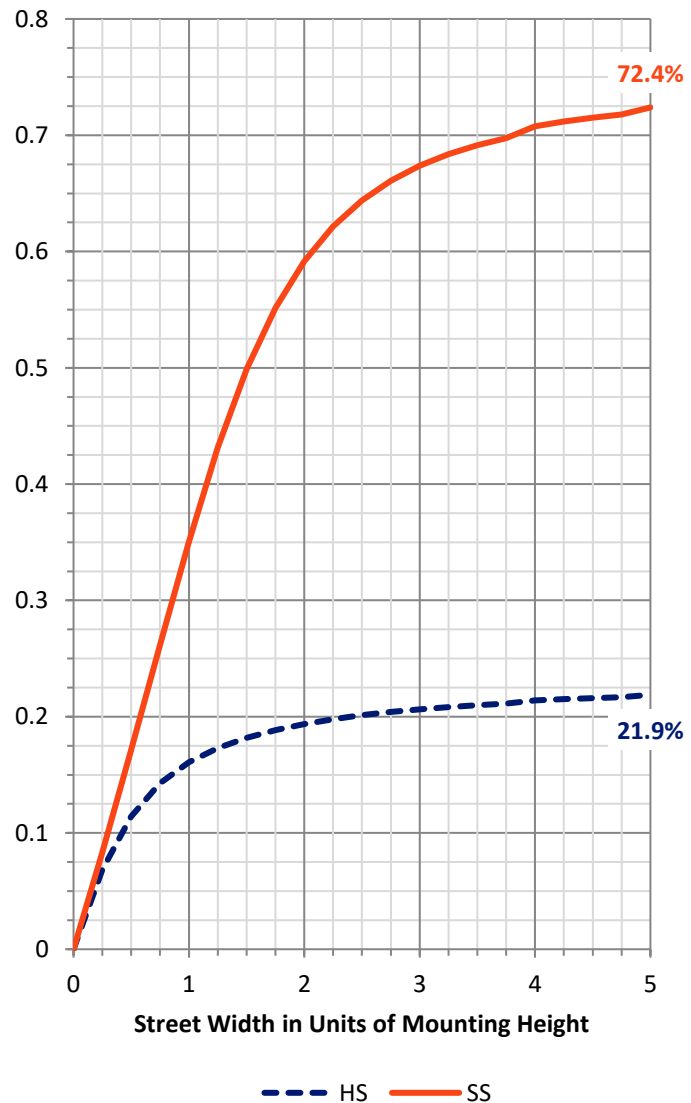
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1722.7	113.4	1836.1
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	5588.5	126.3	5714.9
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	7311.2	239.8	7551.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.2	0.2
10°-20°	87.6	1.2
20°-30°	261.6	3.5
30°-40°	579.5	7.7
40°-50°	1037.8	13.7
50°-60°	1554.3	20.6
60°-70°	1832.1	24.3
70°-80°	1398.8	18.5
80°-90°	542.2	7.2
90°-100°	138.2	1.8
100°-110°	52.3	0.7
110°-120°	24.6	0.3
120°-130°	13.1	0.2
130°-140°	7.3	0.1
140°-150°	3.3	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7311.2	96.8
0°-180°	7551.0	100.0



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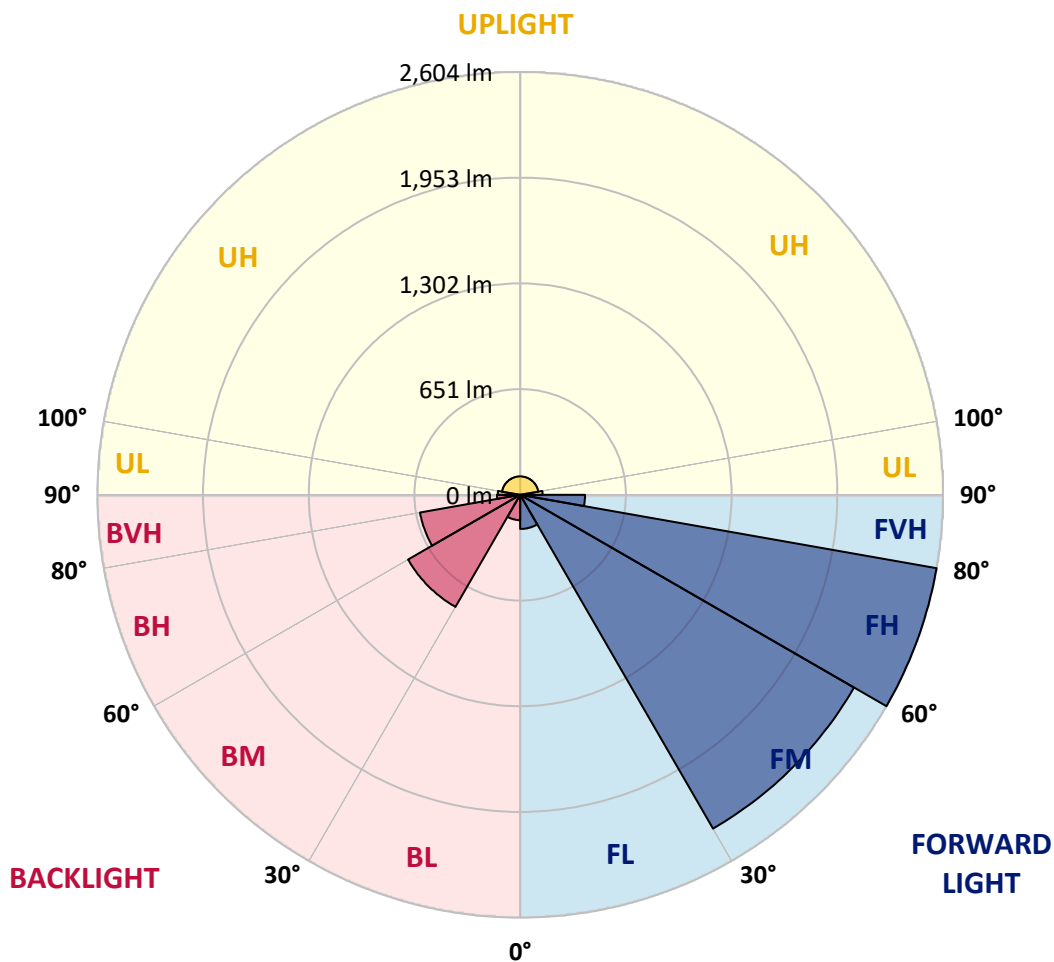
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.5	2.8			
FM	(30°-60°)	2374.2	31.4			
FH	(60°-80°)	2604.5	34.5			G2/5000
FVH	(80°-90°)	399.4	5.3			G3/500
BL	(0°-30°)	156.0	2.1	B1/500		
BM	(30°-60°)	797.4	10.6	B1/1000		
BH	(60°-80°)	626.4	8.3	B2/1000		G2/1000
BVH	(80°-90°)	142.9	1.9			G2/225
UL	(90°-100°)	138.2	1.8		U3/500	
UH	(100°-180°)	113.4	1.5		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2.5°	157.0	156.2	157.0	157.0	157.9	156.2	154.4	153.5	152.7	152.7	151.8
5°	173.5	171.8	172.6	173.5	172.6	170.9	168.3	167.4	165.7	165.7	164.0
7.5°	196.9	196.9	196.1	194.3	196.1	193.5	191.7	190.9	188.2	187.4	186.5
10°	232.5	230.8	229.9	228.2	226.4	225.6	222.1	222.1	217.7	219.5	216.9
12.5°	278.5	275.0	275.9	272.4	267.2	263.7	262.0	261.1	261.1	261.1	260.3
15°	334.0	331.4	330.5	322.7	317.5	313.2	309.7	310.6	314.9	315.8	312.3
17.5°	397.3	401.7	393.8	386.9	379.1	370.4	370.4	370.4	373.9	376.5	374.8
20°	485.8	477.1	468.5	457.2	444.2	437.2	433.8	444.2	450.2	454.6	452.8
22.5°	583.0	574.3	564.7	546.5	528.3	515.3	515.3	528.3	542.2	547.4	549.1
25°	693.1	698.3	674.9	647.2	614.2	602.9	604.6	623.7	644.6	648.9	659.3
27.5°	829.3	829.3	809.4	765.1	721.8	699.2	700.9	732.2	763.4	769.5	777.3
30°	995.0	989.0	962.1	903.1	845.8	803.3	811.1	849.3	898.7	903.9	913.5
32.5°	1179.8	1178.9	1126.9	1054.0	971.6	921.3	924.8	980.3	1041.9	1056.6	1067.0
35°	1384.5	1389.7	1322.1	1216.2	1120.8	1053.1	1064.4	1127.8	1199.8	1203.2	1216.2
37.5°	1618.8	1616.2	1535.5	1420.1	1277.8	1205.8	1197.2	1283.0	1358.5	1381.1	1374.1
40°	1878.1	1850.4	1772.3	1629.2	1453.9	1357.6	1359.4	1447.9	1550.2	1557.2	1555.4
42.5°	2134.1	2121.9	2027.4	1833.9	1646.5	1532.9	1537.2	1622.2	1728.1	1755.0	1735.9
45°	2409.9	2379.6	2277.2	2077.7	1849.5	1726.3	1715.1	1810.5	1926.7	1947.5	1929.3
47.5°	2632.9	2613.8	2523.6	2311.0	2067.3	1909.4	1892.0	2009.1	2141.9	2143.6	2116.7
50°	2817.6	2808.1	2737.0	2548.7	2278.1	2114.1	2095.9	2212.1	2350.9	2373.5	2334.4
52.5°	2977.3	2961.7	2926.1	2740.4	2469.8	2289.3	2286.7	2414.3	2587.8	2598.2	2560.9
55°	3028.4	3038.0	3032.8	2901.8	2658.0	2462.8	2484.5	2656.3	2811.6	2848.0	2777.7
57.5°	3020.6	3020.6	3070.1	3010.2	2783.8	2619.9	2666.7	2874.0	3076.2	3087.4	3003.3
60°	2902.7	2905.3	3024.1	3040.6	2874.0	2754.3	2864.5	3095.2	3302.6	3309.5	3230.6
62.5°	2732.6	2726.6	2900.9	2984.2	2885.3	2834.1	3005.9	3288.7	3516.0	3539.4	3420.6
65°	2467.2	2478.5	2666.7	2832.4	2826.3	2864.5	3116.1	3463.1	3689.5	3723.3	3551.6
67.5°	2124.5	2157.5	2355.3	2593.0	2684.9	2811.6	3156.8	3569.8	3802.3	3831.8	3595.8
70°	1760.2	1752.4	1966.6	2265.0	2444.6	2676.2	3111.7	3574.1	3804.9	3795.3	3501.2
72.5°	1335.1	1368.1	1560.6	1864.3	2130.6	2419.5	2965.1	3463.1	3659.1	3657.4	3251.4
75°	949.0	969.0	1139.0	1442.7	1760.2	2119.3	2672.8	3221.0	3365.0	3313.0	2889.6
77.5°	626.3	644.6	791.2	1067.9	1362.0	1741.9	2279.8	2798.6	2913.1	2859.3	2428.1
80°	389.5	398.2	509.2	728.7	989.8	1349.8	1846.0	2288.5	2333.6	2278.9	1869.5
82.5°	231.6	238.6	318.4	467.6	705.3	982.9	1391.5	1754.1	1768.8	1731.5	1348.1
85°	142.3	151.8	203.0	312.3	470.2	693.1	969.9	1218.8	1229.2	1185.9	890.9
87.5°	92.8	98.0	137.9	203.0	316.6	464.1	649.8	811.1	787.7	760.8	563.0
90°	63.3	66.8	94.6	139.7	214.3	307.1	411.2	507.5	470.2	449.4	341.8
92.5°	44.2	47.7	69.4	100.6	148.3	205.6	267.2	303.6	288.0	278.5	215.1
95°	34.7	36.4	52.9	78.1	110.2	145.7	177.0	188.2	178.7	171.8	144.9
97.5°	27.8	29.5	44.2	63.3	85.9	108.4	123.2	126.7	117.1	113.6	100.6
100°	23.4	25.2	37.3	52.9	70.3	85.9	92.0	91.1	83.3	81.5	72.9
102.5°	20.8	21.7	33.0	46.0	59.9	69.4	72.9	68.5	60.7	59.9	54.7
105°	18.2	20.0	28.6	39.9	51.2	59.0	59.0	53.8	45.1	44.2	41.6
107.5°	17.4	17.4	25.2	34.7	44.2	49.4	49.4	43.4	35.6	33.8	32.1
110°	15.6	16.5	22.6	30.4	38.2	42.5	41.6	34.7	26.9	26.0	25.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.7	14.7	20.0	26.9	33.0	36.4	34.7	28.6	21.7	20.8	20.0
115°	13.9	13.9	18.2	24.3	29.5	32.1	29.5	23.4	17.4	16.5	17.4
117.5°	13.0	13.9	16.5	21.7	26.0	27.8	25.2	20.0	14.7	13.9	14.7
120°	13.0	13.0	15.6	19.1	22.6	24.3	21.7	16.5	12.1	12.1	13.0
122.5°	13.0	13.0	14.7	17.4	20.0	20.8	18.2	13.9	11.3	11.3	12.1
125°	12.1	12.1	13.9	15.6	18.2	18.2	16.5	12.1	9.5	9.5	11.3
127.5°	12.1	12.1	13.0	14.7	16.5	16.5	13.9	10.4	8.7	9.5	10.4
130°	11.3	11.3	12.1	13.0	14.7	13.9	12.1	9.5	7.8	8.7	9.5
132.5°	11.3	11.3	11.3	12.1	13.0	12.1	10.4	7.8	7.8	7.8	8.7
135°	10.4	10.4	11.3	11.3	11.3	10.4	8.7	6.9	6.9	6.9	7.8
137.5°	10.4	10.4	10.4	10.4	10.4	9.5	7.8	6.1	6.1	6.1	6.9
140°	9.5	9.5	9.5	8.7	8.7	7.8	6.1	5.2	5.2	5.2	6.1
142.5°	8.7	8.7	8.7	7.8	7.8	6.1	5.2	4.3	4.3	5.2	5.2
145°	7.8	7.8	7.8	6.9	6.1	5.2	3.5	3.5	4.3	4.3	5.2
147.5°	6.1	6.1	6.1	6.1	4.3	4.3	2.6	3.5	3.5	4.3	4.3
150°	5.2	5.2	5.2	5.2	3.5	2.6	1.7	2.6	3.5	3.5	3.5
152.5°	4.3	4.3	4.3	4.3	2.6	1.7	1.7	2.6	2.6	2.6	3.5
155°	2.6	2.6	3.5	2.6	1.7	0.9	1.7	1.7	2.6	2.6	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7	2.6
160°	0.9	0.9	1.7	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2.5°	150.9	151.8	150.9	150.1	150.1	149.2	149.2	149.2	149.2	148.3	148.3
5°	164.8	164.0	163.1	161.4	159.6	157.9	157.9	157.0	156.2	155.3	155.3
7.5°	183.9	183.9	182.2	179.6	177.0	175.2	173.5	172.6	170.0	170.0	169.2
10°	213.4	213.4	208.2	205.6	201.3	196.9	195.2	192.6	190.9	190.0	189.1
12.5°	255.9	253.3	248.1	239.4	230.8	223.8	219.5	217.7	218.6	218.6	219.5
15°	310.6	305.4	297.6	281.1	265.5	255.0	252.4	252.4	253.3	253.3	254.2
17.5°	375.6	367.8	350.5	329.7	307.1	293.2	287.1	287.1	288.9	291.5	294.1
20°	454.6	447.6	420.7	384.3	350.5	332.3	321.8	321.0	324.4	332.3	330.5
22.5°	543.9	536.1	496.2	443.3	396.4	367.0	355.7	359.1	367.8	373.0	373.0
25°	651.5	638.5	578.6	501.4	441.6	399.9	385.2	390.4	403.4	409.5	412.1
27.5°	766.9	749.5	669.7	564.7	477.1	426.8	411.2	418.1	433.8	443.3	445.9
30°	903.9	873.6	765.1	623.7	509.2	445.9	429.4	442.4	459.8	471.1	473.7
32.5°	1047.9	1001.1	847.5	674.0	532.6	458.9	442.4	458.0	477.1	490.1	491.0
35°	1191.9	1138.2	938.6	714.8	544.8	465.0	447.6	465.8	486.7	497.1	499.7
37.5°	1348.1	1273.5	1017.6	740.8	550.0	464.1	447.6	465.8	485.8	494.5	496.2
40°	1498.2	1406.2	1087.8	756.5	548.3	457.2	441.6	460.6	478.0	484.1	483.2
42.5°	1666.5	1534.6	1144.2	757.3	536.1	446.8	433.8	450.2	462.4	461.5	462.4
45°	1827.0	1670.8	1185.9	751.3	519.6	433.8	423.3	438.1	442.4	438.1	437.2
47.5°	2003.1	1806.1	1218.8	735.6	499.7	421.6	412.1	423.3	424.2	414.7	412.9
50°	2189.6	1941.5	1249.2	707.0	476.3	407.7	401.7	411.2	409.5	393.8	391.2
52.5°	2371.7	2078.5	1268.3	672.3	452.8	395.6	393.0	402.5	397.3	379.1	375.6
55°	2566.1	2205.2	1271.8	637.6	430.3	385.2	385.2	395.6	389.5	370.4	367.8
57.5°	2756.1	2337.9	1258.7	592.5	408.6	373.9	379.1	391.2	386.9	367.8	366.1
60°	2933.9	2437.7	1223.2	550.0	388.6	366.1	374.8	388.6	385.2	369.6	367.8
62.5°	3071.8	2503.6	1166.8	508.4	371.3	358.3	370.4	384.3	385.2	372.2	373.0
65°	3136.0	2503.6	1085.2	466.7	355.7	350.5	366.1	381.7	383.4	375.6	375.6
67.5°	3122.1	2439.4	993.3	423.3	340.9	340.9	360.0	376.5	380.0	376.5	376.5
70°	2975.5	2265.9	867.5	388.6	326.2	329.7	350.5	367.8	373.0	373.9	373.0
72.5°	2737.0	2004.8	737.4	352.2	310.6	318.4	338.3	355.7	362.6	364.4	363.5
75°	2368.3	1702.0	609.9	321.8	294.1	303.6	324.4	339.2	347.0	350.5	348.7
77.5°	1903.3	1350.7	499.7	291.5	275.0	285.4	305.4	317.5	327.0	331.4	327.9
80°	1450.5	1005.4	397.3	261.1	251.6	262.9	280.2	293.2	301.9	303.6	301.0
82.5°	1029.7	713.1	318.4	232.5	226.4	236.0	251.6	260.3	270.7	269.8	264.6
85°	674.9	484.1	249.8	202.1	199.5	205.6	217.7	222.9	233.4	233.4	227.3
87.5°	439.0	321.0	196.9	170.0	172.6	177.8	183.9	188.2	192.6	193.5	188.2
90°	280.2	219.5	157.0	144.9	147.5	151.8	151.8	150.9	157.9	159.6	155.3
92.5°	183.9	156.2	130.1	123.2	124.9	125.8	125.8	122.3	128.4	129.3	125.8
95°	129.3	117.1	107.6	105.8	105.8	105.8	104.1	99.8	105.0	105.0	103.2
97.5°	97.2	91.1	90.2	90.2	90.2	89.4	86.8	85.0	86.8	86.8	85.9
100°	72.9	72.0	74.6	76.3	77.2	76.3	74.6	72.0	72.0	68.5	69.4
102.5°	55.5	57.3	62.5	65.1	65.1	65.1	64.2	60.7	59.0	55.5	54.7
105°	43.4	45.1	51.2	54.7	55.5	56.4	54.7	51.2	47.7	44.2	43.4
107.5°	33.8	36.4	41.6	46.0	47.7	47.7	46.8	43.4	39.0	34.7	34.7
110°	27.8	29.5	34.7	39.0	40.8	40.8	39.9	35.6	31.2	27.8	27.8



REPORT NUMBER: P414072

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	24.3	29.5	33.0	34.7	35.6	33.8	30.4	26.0	22.6	22.6
115°	19.1	20.8	25.2	27.8	29.5	29.5	28.6	25.2	21.7	19.1	19.1
117.5°	16.5	18.2	21.7	24.3	25.2	26.0	24.3	21.7	18.2	16.5	16.5
120°	14.7	15.6	19.1	20.8	21.7	21.7	20.8	18.2	15.6	14.7	14.7
122.5°	13.0	14.7	16.5	18.2	19.1	19.1	18.2	15.6	13.9	13.0	13.9
125°	12.1	13.0	14.7	16.5	16.5	16.5	15.6	13.9	12.1	12.1	12.1
127.5°	11.3	12.1	13.0	13.9	14.7	14.7	13.9	12.1	11.3	11.3	11.3
130°	10.4	11.3	12.1	12.1	13.0	13.0	12.1	10.4	10.4	10.4	10.4
132.5°	9.5	10.4	10.4	11.3	11.3	11.3	10.4	9.5	9.5	9.5	9.5
135°	8.7	8.7	9.5	9.5	9.5	9.5	8.7	8.7	8.7	8.7	8.7
137.5°	7.8	7.8	8.7	7.8	8.7	7.8	7.8	6.9	7.8	7.8	7.8
140°	6.9	6.9	6.9	6.9	6.9	6.9	6.1	6.1	6.9	6.9	6.9
142.5°	6.1	6.1	6.1	5.2	5.2	5.2	5.2	5.2	6.1	6.1	6.1
145°	5.2	5.2	5.2	4.3	4.3	3.5	4.3	4.3	5.2	5.2	5.2
147.5°	4.3	4.3	4.3	4.3	3.5	2.6	2.6	3.5	4.3	4.3	4.3
150°	3.5	4.3	4.3	3.5	2.6	1.7	1.7	2.6	3.5	3.5	3.5
152.5°	3.5	3.5	3.5	2.6	1.7	0.9	0.9	1.7	2.6	2.6	2.6
155°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	1.7	1.7	1.7	1.7
157.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.9	1.7	0.9	0.9
160°	1.7	1.7	1.7	1.7	0.9	0.9	0.0	0.9	0.9	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)