

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: P414058

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414058  
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-PA1-100-830-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA 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: 7833 lumens  
Efficiency: N/A  
Efficacy: 81.6 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

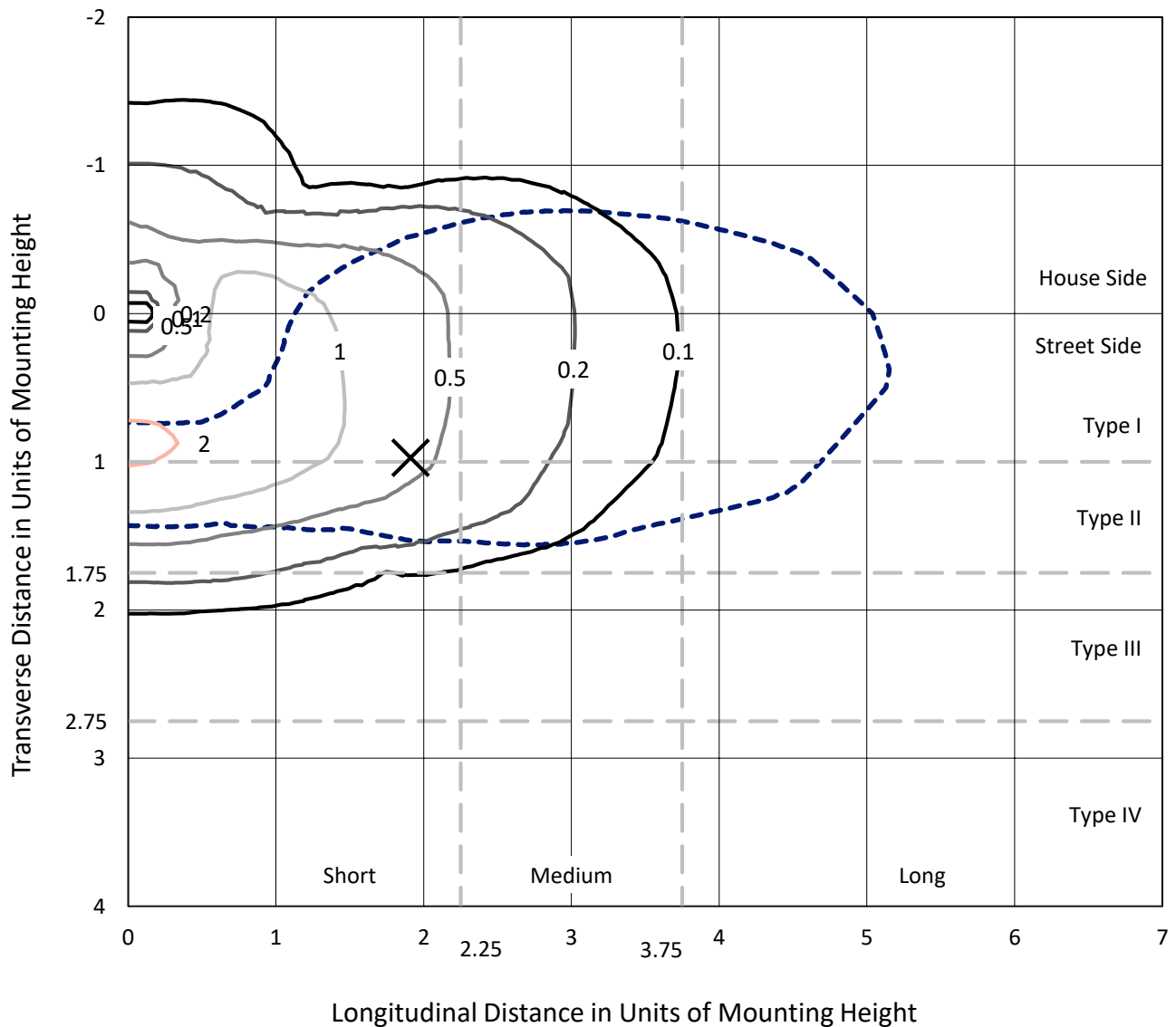
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

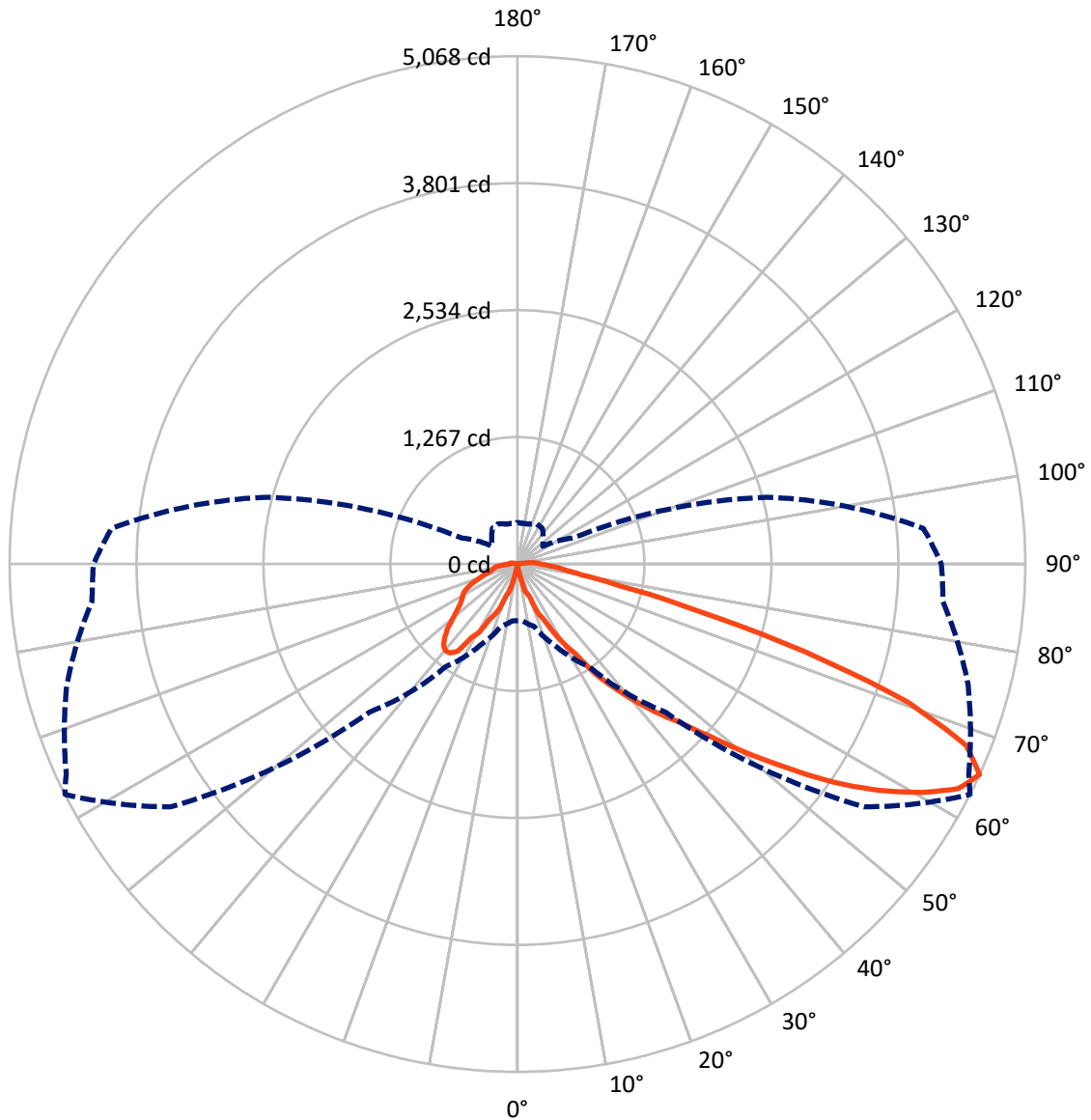
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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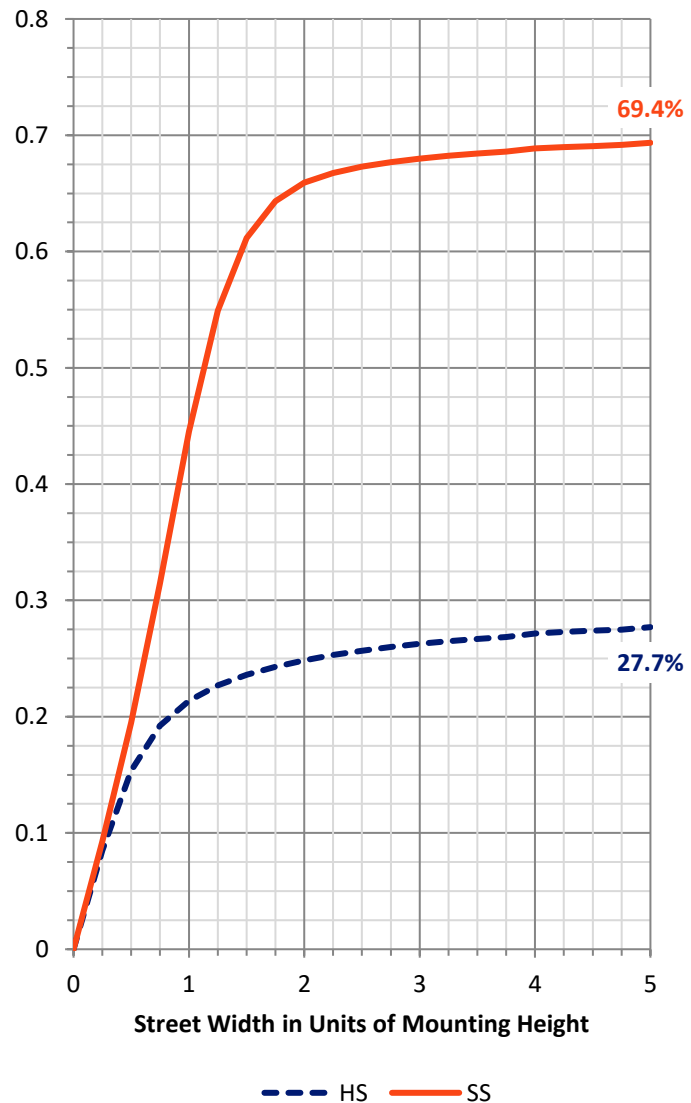
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2229.2	64.7	2293.9
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	5478.8	60.3	5539.1
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	7708.0	124.9	7833.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	70.4	0.9
20°-30°	287.8	3.7
30°-40°	747.7	9.5
40°-50°	1421.8	18.2
50°-60°	1914.0	24.4
60°-70°	1813.2	23.1
70°-80°	1136.2	14.5
80°-90°	312.0	4.0
90°-100°	87.3	1.1
100°-110°	16.2	0.2
110°-120°	7.8	0.1
120°-130°	5.7	0.1
130°-140°	3.7	0.0
140°-150°	3.0	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7708.0	98.4
0°-180°	7833.0	100.0



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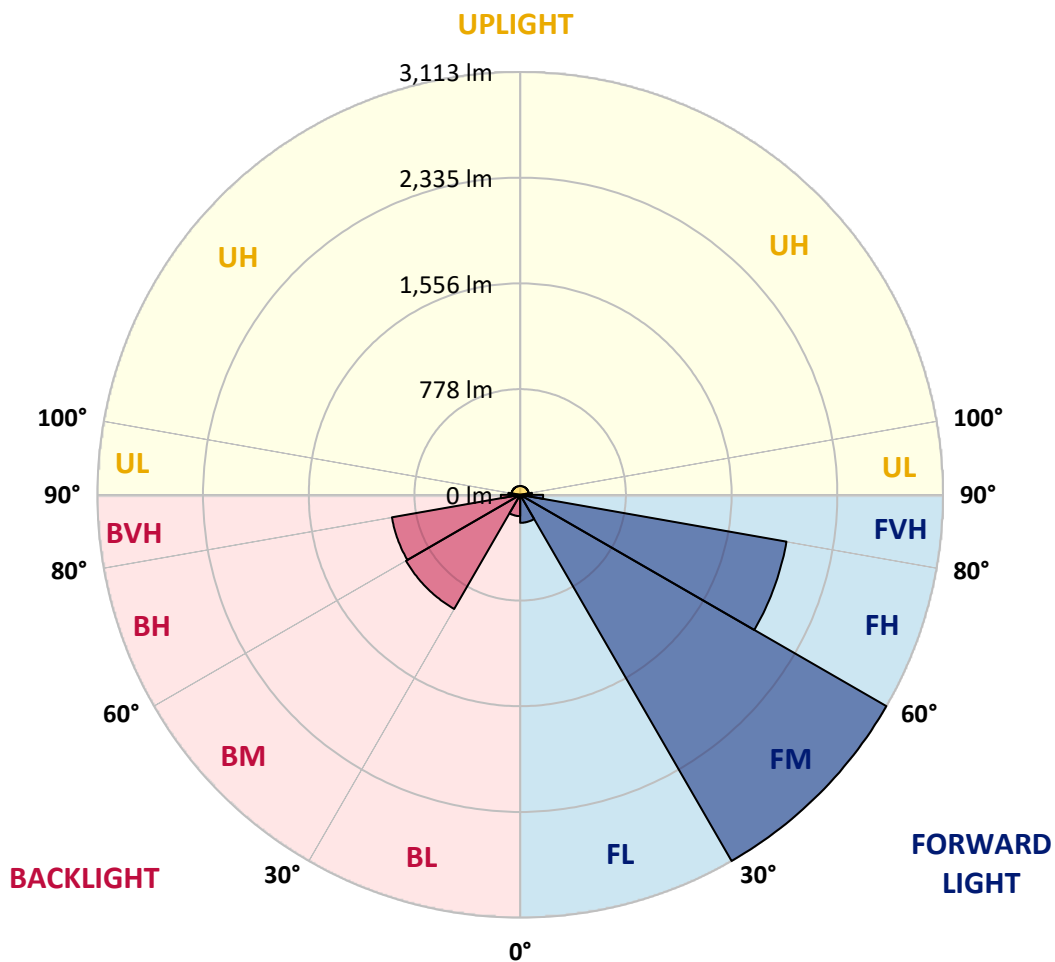
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.1	2.6			
FM (30°-60°)	3112.9	39.7			
FH (60°-80°)	1990.5	25.4			G2/5000
FVH (80°-90°)	169.2	2.2			G2/225
BL (0°-30°)	157.0	2.0	B1/500		
BM (30°-60°)	970.5	12.4	B1/1000		
BH (60°-80°)	958.9	12.2	B2/1000		G2/1000
BVH (80°-90°)	142.8	1.8			G2/225
UL (90°-100°)	87.3	1.1		U3/500	
UH (100°-180°)	64.7	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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	10.4	9.5	10.4	10.4	9.5	8.7	7.8	6.9	6.1	4.3	3.5
5°	122.3	123.2	121.5	118.9	42.5	19.1	11.3	8.7	7.8	5.2	4.3
7.5°	140.5	139.7	138.8	137.1	131.0	123.2	66.8	15.6	12.1	6.9	4.3
10°	154.4	152.7	148.3	147.5	141.4	137.1	126.7	81.5	68.5	12.1	8.7
12.5°	281.1	275.0	269.8	223.0	156.2	147.5	141.4	123.2	120.6	77.2	115.4
15°	294.1	295.0	291.5	286.3	274.1	183.9	229.0	277.6	276.7	239.4	236.0
17.5°	334.0	331.4	318.4	305.4	301.0	327.1	324.5	309.7	309.7	274.1	259.4
20°	516.2	511.8	504.0	419.9	373.9	422.5	396.5	345.3	347.0	423.4	459.8
22.5°	597.7	596.0	580.4	543.1	529.2	465.9	522.3	540.5	530.1	536.1	513.6
25°	818.1	809.4	740.9	674.9	682.7	629.0	628.1	616.8	610.7	583.8	624.6
27.5°	1041.0	1034.1	1018.5	925.7	788.6	758.2	709.6	774.7	757.4	819.8	833.7
30°	1379.4	1316.0	1184.2	1121.7	1076.6	931.7	917.9	937.8	932.6	915.2	899.6
32.5°	1731.6	1705.6	1628.4	1400.2	1257.1	1173.8	1133.0	1071.4	1042.8	1229.3	1242.3
35°	2099.4	2075.1	1886.0	1753.3	1507.8	1372.4	1349.9	1358.6	1320.4	1411.5	1389.8
37.5°	2746.6	2734.5	2544.5	2132.4	1875.6	1611.0	1579.8	1569.4	1509.5	1575.4	1576.3
40°	3162.2	3142.2	2932.3	2628.6	2214.8	1994.5	1842.6	1782.8	1767.2	1770.6	1771.5
42.5°	3471.0	3438.9	3316.6	3037.2	2605.2	2346.7	2132.4	2017.0	2048.2	1987.5	1984.0
45°	3671.4	3654.1	3543.0	3309.6	3010.3	2881.9	2502.8	2242.6	2347.5	2239.1	2233.9
47.5°	3716.5	3708.7	3631.5	3514.4	3389.5	3335.7	2949.6	2551.4	2647.7	2600.0	2502.8
50°	3520.5	3527.4	3498.8	3541.3	3677.5	3739.1	3420.7	2960.9	3013.8	2900.2	2776.1
52.5°	3091.9	3091.0	3195.1	3383.4	3783.3	4029.7	3857.1	3386.9	3384.2	3178.6	3038.1
55°	2482.0	2528.9	2705.0	2997.3	3638.4	4163.3	4270.9	3855.3	3782.4	3504.0	3271.5
57.5°	1891.2	1952.0	2168.0	2433.4	3226.4	4068.7	4571.9	4262.2	4186.7	3797.2	3518.7
60°	1279.6	1303.0	1575.4	1882.5	2566.2	3705.2	4713.3	4629.2	4545.9	4096.5	3768.6
62.5°	852.8	873.6	1029.8	1403.7	1840.0	3011.2	4622.2	4938.9	4828.7	4450.4	4029.7
65°	567.4	567.4	644.6	903.1	1251.9	2090.8	4223.2	5068.1	4968.4	4655.2	4261.3
67.5°	418.2	425.1	450.2	582.1	852.8	1251.0	3359.1	4829.6	4840.0	4678.6	4335.1
70°	379.1	383.4	405.1	439.0	609.0	744.3	2220.0	4137.3	4316.8	4501.6	4240.5
72.5°	331.4	333.1	367.8	404.3	479.7	570.8	1290.9	3006.9	3384.2	4116.4	3980.2
75°	277.6	280.2	308.0	362.6	414.7	478.9	687.1	1830.5	2206.1	3534.3	3635.8
77.5°	225.6	231.6	254.2	296.7	380.8	401.7	527.5	1046.2	1277.9	2632.1	3073.7
80°	173.5	179.6	199.5	233.4	311.4	354.8	438.1	643.7	774.7	1636.2	2148.0
82.5°	118.9	123.2	143.1	168.3	223.0	295.8	362.6	474.5	512.7	895.3	1185.1
85°	84.2	86.8	99.8	111.0	138.8	194.3	302.8	376.5	386.9	474.5	482.3
87.5°	47.7	46.8	48.6	56.4	63.3	75.5	178.7	275.9	288.9	330.5	307.1
90°	33.0	32.1	26.9	26.0	29.5	32.1	101.5	219.5	230.8	266.3	273.3
92.5°	34.7	33.0	26.0	24.3	27.8	29.5	67.7	191.7	216.0	266.3	281.1
95°	33.0	31.2	23.4	20.8	25.2	26.0	41.6	131.9	170.0	249.0	275.0
97.5°	28.6	26.9	19.1	17.4	20.8	20.8	23.4	60.7	83.3	116.2	131.0
100°	23.4	21.7	15.6	13.9	14.7	15.6	14.7	30.4	30.4	32.1	25.2
102.5°	20.8	20.0	13.0	11.3	10.4	10.4	9.5	14.7	15.6	17.4	21.7
105°	18.2	17.4	11.3	9.5	7.8	7.8	6.9	9.5	10.4	14.7	20.8
107.5°	13.0	13.0	9.5	7.8	6.9	6.9	5.2	7.8	8.7	13.0	21.7
110°	8.7	8.7	6.9	6.9	6.1	6.9	5.2	7.8	7.8	10.4	16.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.9	6.9	6.1	5.2	4.3	5.2	6.1	6.9	6.9	7.8	10.4
115°	6.9	6.1	5.2	4.3	3.5	4.3	4.3	6.1	6.1	7.8	10.4
117.5°	6.9	6.9	5.2	4.3	3.5	3.5	4.3	5.2	5.2	7.8	11.3
120°	6.9	6.9	5.2	4.3	3.5	2.6	3.5	5.2	5.2	6.9	10.4
122.5°	6.9	6.9	5.2	4.3	3.5	2.6	3.5	4.3	4.3	6.1	10.4
125°	7.8	7.8	6.1	4.3	3.5	2.6	3.5	3.5	3.5	6.1	9.5
127.5°	7.8	7.8	6.1	4.3	3.5	2.6	3.5	3.5	3.5	5.2	7.8
130°	7.8	7.8	6.1	4.3	3.5	2.6	3.5	2.6	2.6	4.3	6.9
132.5°	7.8	6.9	6.1	5.2	4.3	3.5	3.5	2.6	2.6	2.6	5.2
135°	6.9	6.9	6.1	5.2	4.3	3.5	3.5	2.6	2.6	2.6	3.5
137.5°	6.9	6.9	6.9	6.1	5.2	4.3	3.5	2.6	2.6	2.6	2.6
140°	7.8	7.8	7.8	6.9	5.2	4.3	3.5	2.6	2.6	2.6	2.6
142.5°	8.7	8.7	8.7	7.8	5.2	4.3	4.3	2.6	2.6	2.6	2.6
145°	9.5	9.5	9.5	7.8	5.2	4.3	4.3	3.5	3.5	2.6	3.5
147.5°	10.4	10.4	9.5	7.8	4.3	3.5	3.5	3.5	3.5	3.5	3.5
150°	9.5	8.7	8.7	6.1	3.5	1.7	2.6	2.6	2.6	3.5	3.5
152.5°	6.9	6.9	6.1	4.3	2.6	0.9	1.7	1.7	2.6	2.6	2.6
155°	4.3	4.3	3.5	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	3.5	3.5	4.3	5.2	5.2	6.1	6.1	6.1	6.1	6.1	6.1
5°	3.5	3.5	4.3	5.2	6.1	6.9	7.8	7.8	7.8	8.7	8.7
7.5°	4.3	4.3	4.3	6.1	6.9	9.5	26.0	78.1	120.6	124.1	125.8
10°	8.7	8.7	8.7	8.7	19.1	111.0	137.9	144.0	147.5	150.1	150.1
12.5°	116.2	115.4	41.6	20.8	95.4	144.0	152.7	157.0	160.5	163.1	164.0
15°	236.0	236.8	236.8	239.4	173.5	157.0	165.7	244.6	289.8	298.4	301.9
17.5°	258.5	258.5	257.7	287.2	322.7	255.1	284.6	310.6	319.3	323.6	325.3
20°	471.9	471.1	380.0	329.7	340.9	423.4	318.4	330.5	337.5	402.5	404.3
22.5°	520.5	517.9	506.6	509.2	401.7	458.1	436.4	423.4	464.1	462.4	464.1
25°	639.4	576.9	552.6	547.4	582.1	476.3	505.8	438.1	448.5	446.8	448.5
27.5°	837.2	814.6	758.2	641.1	620.3	588.2	506.6	459.8	517.0	530.1	531.8
30°	897.9	869.3	809.4	814.6	691.4	598.6	493.6	509.2	489.3	487.6	484.1
32.5°	1231.0	1193.7	1103.5	888.4	770.4	562.2	496.2	463.3	473.7	508.4	510.1
35°	1371.6	1329.1	1265.7	1133.9	746.9	551.8	453.7	452.0	458.9	459.8	458.1
37.5°	1531.2	1475.7	1415.8	1194.6	779.9	499.7	423.4	424.2	439.8	470.2	466.7
40°	1716.8	1655.3	1558.1	1230.2	700.1	468.5	403.4	416.4	432.9	426.0	419.9
42.5°	1925.9	1825.3	1672.6	1223.2	609.0	432.0	398.2	406.9	404.3	391.3	387.8
45°	2141.9	2035.2	1784.5	1165.1	526.6	408.6	388.7	391.3	380.8	364.4	360.9
47.5°	2390.9	2250.4	1847.8	1080.1	460.7	406.9	386.1	377.4	357.4	342.7	341.8
50°	2641.6	2488.1	1946.7	966.4	411.2	399.9	392.1	373.9	349.6	334.9	333.1
52.5°	2887.2	2752.7	2053.5	871.0	373.9	392.1	394.7	375.6	349.6	327.9	327.1
55°	3133.5	3015.5	2168.8	795.5	348.7	391.3	404.3	380.8	354.8	322.7	321.9
57.5°	3380.8	3266.3	2279.9	745.2	337.5	380.0	410.3	397.3	368.7	341.8	343.5
60°	3674.0	3538.7	2410.9	709.6	333.1	373.9	415.5	416.4	377.4	347.0	351.4
62.5°	3962.0	3825.0	2521.9	676.7	321.9	367.8	418.2	431.2	396.5	370.4	374.8
65°	4230.1	4067.0	2573.1	613.3	308.0	360.9	433.8	444.2	411.2	408.6	413.8
67.5°	4332.5	4180.6	2522.8	534.4	299.3	360.9	450.2	462.4	426.8	440.7	454.6
70°	4233.6	4106.9	2396.1	435.5	301.9	363.5	452.9	471.1	449.4	460.7	472.8
72.5°	3926.5	3765.1	2088.2	350.5	301.9	360.0	441.6	457.2	440.7	478.0	490.2
75°	3538.7	3257.6	1662.2	288.9	293.2	358.3	415.5	433.8	417.3	456.3	469.3
77.5°	2922.7	2562.7	1149.5	255.1	281.1	342.7	388.7	392.1	375.6	399.1	405.1
80°	2061.3	1727.3	727.9	230.8	268.9	309.7	344.4	338.3	321.9	326.2	331.4
82.5°	1149.5	913.5	424.2	212.5	252.5	257.7	281.9	283.7	262.0	262.9	263.7
85°	456.3	422.5	287.2	178.7	203.9	185.7	210.8	219.5	198.7	174.4	169.2
87.5°	302.8	287.2	200.4	122.3	124.9	105.0	137.1	142.3	117.1	101.5	100.6
90°	288.0	279.3	172.6	82.4	69.4	57.3	76.3	73.7	56.4	49.4	50.3
92.5°	296.7	291.5	175.2	78.9	67.7	54.7	67.7	58.1	42.5	37.3	38.2
95°	292.4	289.8	170.9	77.2	64.2	50.3	57.3	46.8	33.0	29.5	29.5
97.5°	138.8	146.6	105.8	69.4	57.3	42.5	44.2	35.6	23.4	21.7	20.8
100°	20.8	33.0	57.3	64.2	42.5	29.5	28.6	23.4	14.7	13.9	13.9
102.5°	21.7	23.4	35.6	44.2	23.4	15.6	15.6	13.9	11.3	13.0	13.0
105°	23.4	21.7	20.8	24.3	13.9	9.5	8.7	8.7	9.5	13.9	14.7
107.5°	25.2	23.4	16.5	13.0	10.4	8.7	6.9	6.1	8.7	14.7	15.6
110°	19.1	18.2	13.9	10.4	10.4	9.5	6.1	6.1	9.5	15.6	17.4



REPORT NUMBER: P414058

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	13.0	12.1	9.5	8.7	8.7	6.1	6.1	9.5	16.5	18.2
115°	12.1	12.1	10.4	7.8	6.9	6.9	6.1	5.2	9.5	17.4	18.2
117.5°	12.1	12.1	10.4	7.8	6.1	5.2	5.2	5.2	9.5	17.4	18.2
120°	12.1	12.1	10.4	6.9	6.1	5.2	5.2	5.2	9.5	16.5	18.2
122.5°	11.3	11.3	9.5	6.9	5.2	5.2	5.2	5.2	9.5	15.6	16.5
125°	10.4	10.4	8.7	6.1	5.2	4.3	5.2	5.2	8.7	13.9	14.7
127.5°	8.7	9.5	7.8	6.1	5.2	4.3	5.2	5.2	7.8	12.1	13.0
130°	7.8	7.8	6.9	5.2	4.3	4.3	5.2	5.2	7.8	11.3	12.1
132.5°	6.1	6.1	5.2	5.2	4.3	4.3	4.3	4.3	6.1	9.5	9.5
135°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.2	6.9	7.8
137.5°	3.5	3.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.1	6.1
140°	2.6	3.5	3.5	4.3	4.3	4.3	4.3	4.3	4.3	5.2	5.2
142.5°	2.6	3.5	3.5	4.3	4.3	4.3	4.3	4.3	5.2	6.1	6.1
145°	3.5	3.5	4.3	4.3	4.3	3.5	4.3	4.3	5.2	6.1	6.1
147.5°	3.5	3.5	4.3	4.3	4.3	3.5	3.5	4.3	5.2	6.1	6.1
150°	3.5	3.5	4.3	4.3	3.5	2.6	3.5	3.5	4.3	6.1	6.1
152.5°	3.5	3.5	3.5	3.5	2.6	1.7	2.6	2.6	3.5	4.3	4.3
155°	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6	3.5
157.5°	1.7	1.7	1.7	2.6	1.7	1.7	0.9	0.9	0.9	1.7	1.7
160°	0.9	0.9	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9
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)