

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: P414024

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-827-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7222 lumens  
Efficiency: N/A  
Efficacy: 75.2 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

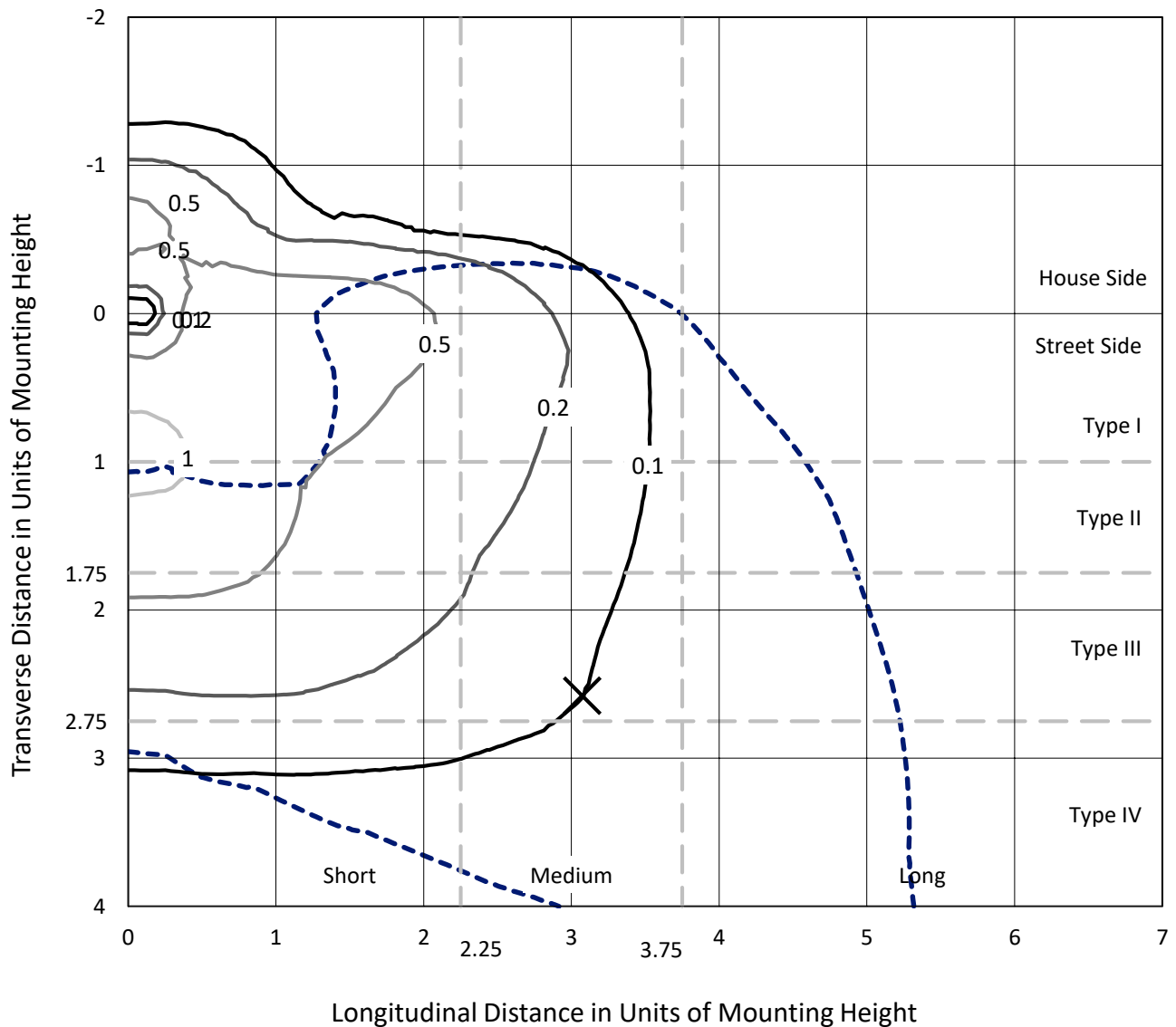
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

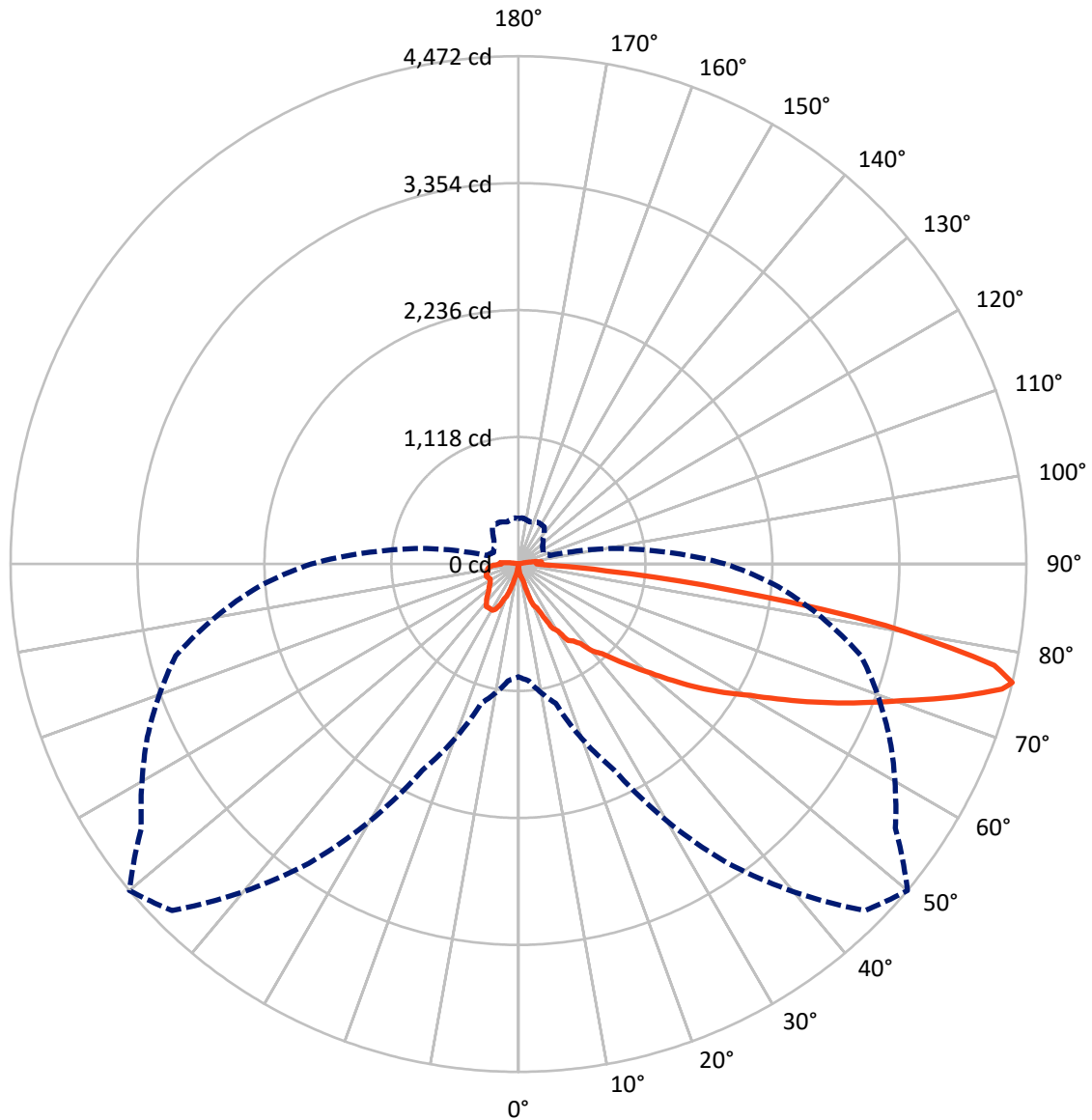
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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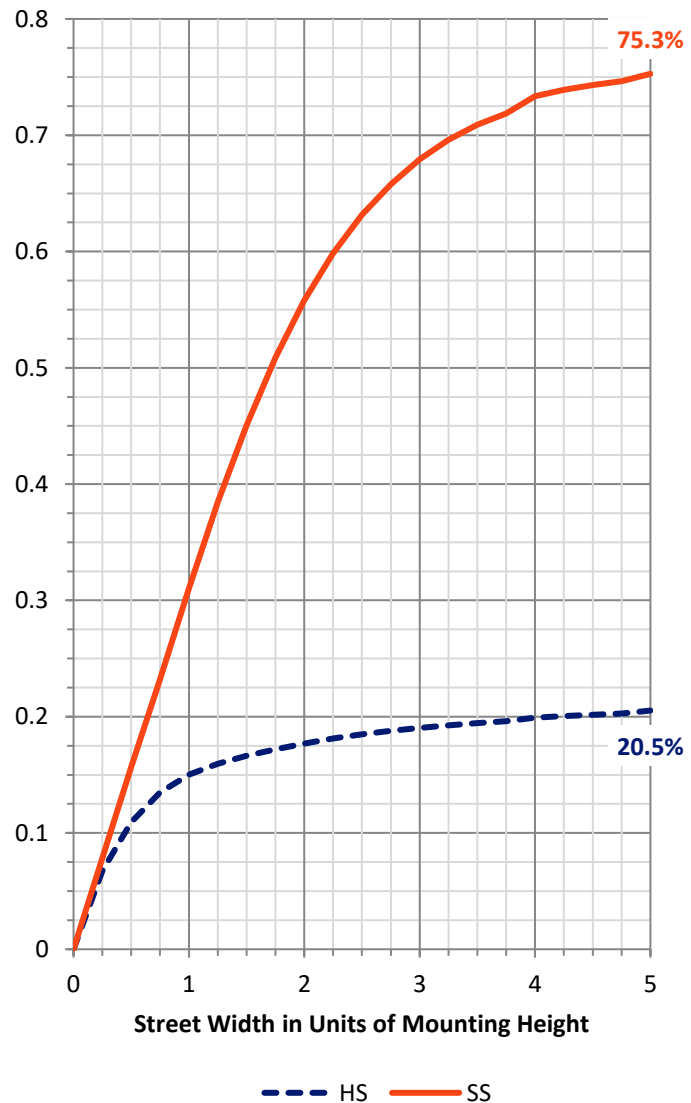
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1576.2	88.8	1665.0
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	5485.7	71.3	5556.9
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	7061.9	160.1	7222.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	60.3	0.8
20°-30°	235.6	3.3
30°-40°	507.1	7.0
40°-50°	826.2	11.4
50°-60°	1330.1	18.4
60°-70°	1937.4	26.8
70°-80°	1728.4	23.9
80°-90°	432.9	6.0
90°-100°	126.8	1.8
100°-110°	18.8	0.3
110°-120°	5.4	0.1
120°-130°	3.7	0.1
130°-140°	2.5	0.0
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7061.9	97.8
0°-180°	7222.0	100.0

**Coefficient of Utilization**



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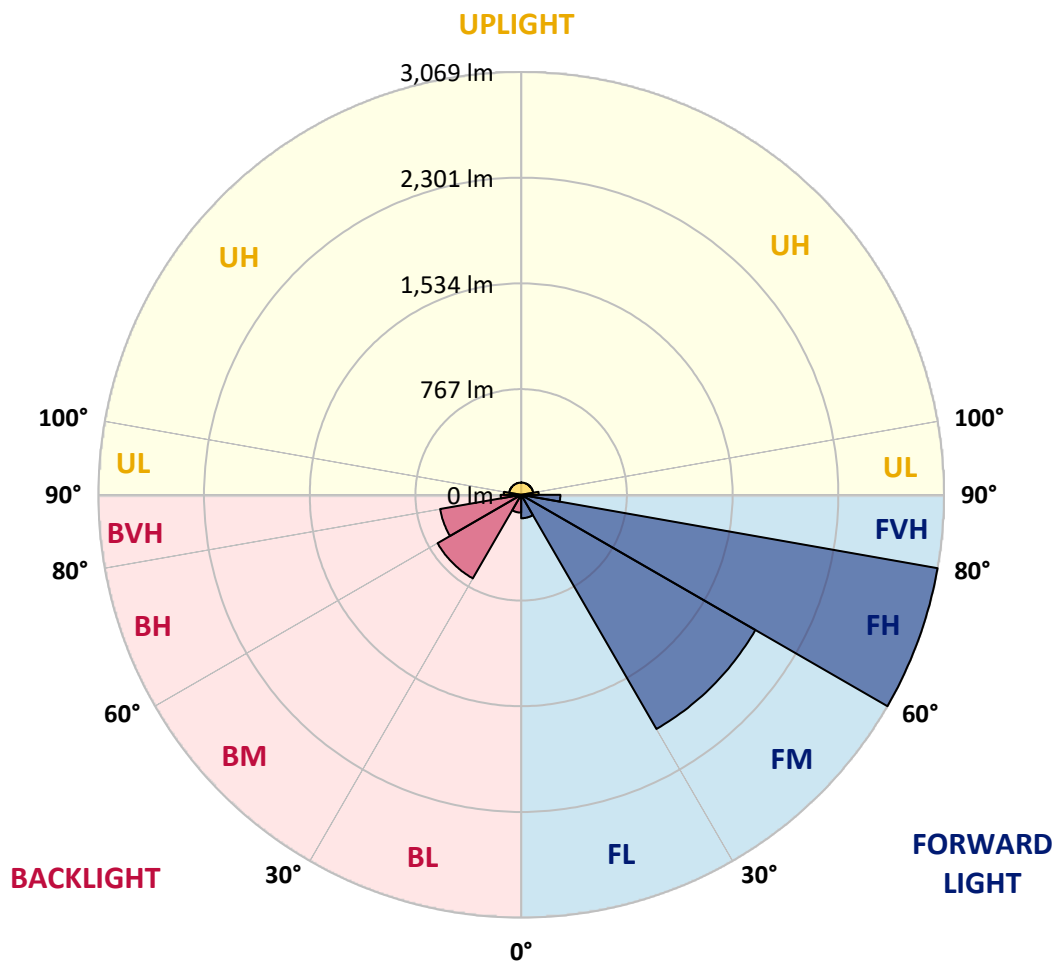
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.3	2.4			
FM (30°-60°)	1962.5	27.2			
FH (60°-80°)	3068.6	42.5			G2/5000
FVH (80°-90°)	284.3	3.9			G3/500
BL (0°-30°)	129.6	1.8	B1/500		
BM (30°-60°)	700.9	9.7	B1/1000		
BH (60°-80°)	597.1	8.3	B2/1000		G2/1000
BVH (80°-90°)	148.7	2.1			G2/225
UL (90°-100°)	126.8	1.8		U3/500	
UH (100°-180°)	88.8	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	10.4	8.0	7.2	6.4	6.4	5.6	5.6	4.8	4.8	4.8	4.8
5°	101.1	97.9	90.7	84.3	28.9	24.1	20.1	15.2	5.6	5.6	4.8
7.5°	121.2	118.8	114.0	110.8	105.9	98.7	90.7	42.5	16.9	6.4	5.6
10°	158.9	146.9	137.2	129.2	123.6	111.6	108.4	101.9	28.1	12.0	8.8
12.5°	284.1	277.7	268.1	182.2	150.1	128.4	123.6	118.0	91.5	43.3	77.9
15°	313.0	306.6	297.0	284.9	267.3	158.1	148.5	184.6	236.0	177.4	185.4
17.5°	367.6	364.4	338.7	309.8	292.2	310.6	311.4	282.5	268.1	234.4	213.5
20°	509.7	506.5	492.0	418.2	330.7	392.5	390.9	376.4	301.0	345.9	372.4
22.5°	530.5	526.5	513.7	493.6	523.3	430.2	419.8	419.8	443.9	470.3	438.2
25°	698.3	694.3	596.3	519.3	561.0	512.1	513.7	568.3	491.2	516.1	492.8
27.5°	729.6	724.0	715.9	664.6	590.7	648.5	639.7	610.0	638.9	712.7	687.8
30°	851.6	789.8	763.3	733.6	697.5	687.0	683.0	736.8	757.7	752.9	760.1
32.5°	988.0	985.6	959.9	782.6	789.0	738.4	803.4	827.5	795.4	914.2	990.4
35°	1187.1	1105.2	1055.4	937.5	821.1	854.0	831.5	856.4	966.4	977.6	1050.6
37.5°	1492.1	1487.3	1373.3	1034.6	947.1	874.1	890.1	959.1	1031.4	1047.4	1146.1
40°	1744.1	1720.8	1648.6	1289.8	1029.8	945.5	1009.7	994.4	1070.7	1126.9	1221.6
42.5°	1931.1	1952.8	1911.8	1492.9	1195.9	1058.7	1077.9	1057.9	1128.5	1233.6	1329.9
45°	2110.1	2101.3	2129.4	1699.2	1355.6	1203.9	1202.3	1153.4	1234.4	1352.4	1479.2
47.5°	2256.2	2243.3	2272.2	1923.1	1539.4	1335.6	1346.8	1283.4	1361.2	1500.9	1700.8
50°	2419.1	2394.2	2413.5	2110.9	1779.4	1525.8	1510.5	1461.6	1505.7	1695.9	1971.2
52.5°	2614.9	2597.3	2562.8	2297.9	2026.6	1721.6	1702.4	1655.0	1703.2	1938.3	2270.6
55°	2790.7	2770.7	2742.6	2555.6	2232.1	1920.7	1921.5	1874.1	1968.0	2203.2	2618.2
57.5°	2973.7	2964.1	2978.5	2843.7	2525.9	2128.6	2133.4	2104.5	2273.0	2475.3	2986.6
60°	3125.4	3111.0	3191.2	3138.3	2786.7	2366.1	2346.9	2378.2	2584.4	2759.4	3359.8
62.5°	3183.2	3192.8	3344.5	3409.5	3039.5	2622.2	2629.4	2671.9	2872.6	3099.7	3719.4
65°	2911.9	2945.6	3369.4	3456.9	3321.3	2906.3	2940.8	2933.6	3168.0	3350.1	4022.7
67.5°	2617.4	2655.9	3116.6	3468.9	3539.6	3240.2	3257.8	3186.4	3422.4	3506.7	4249.1
70°	2408.7	2438.4	2817.2	3400.7	3673.6	3588.5	3596.6	3464.1	3607.0	3690.5	4241.1
72.5°	2047.5	2078.8	2428.7	3143.1	3757.1	4010.7	4010.7	3718.6	3756.3	3686.4	3745.0
75°	1383.7	1395.8	1682.3	2440.0	3541.2	4355.0	4396.8	3996.3	3704.9	3348.5	2793.1
76°	993.6	1030.6	1270.6	2003.3	3216.1	4315.7	4472.2	4052.4	3604.6	3124.6	2298.7
77.5°	526.5	560.2	749.6	1282.6	2608.5	4013.1	4283.6	3879.9	3286.7	2682.4	1700.0
80°	206.3	203.9	257.6	456.7	1321.1	3052.4	3277.9	2859.7	2223.3	1553.9	807.4
82.5°	113.2	124.4	163.7	241.6	573.1	1683.9	1851.7	1508.9	1134.9	716.7	471.9
85°	72.2	73.8	96.3	149.3	354.0	709.5	779.3	646.1	531.3	439.8	335.5
87.5°	43.3	44.9	50.6	69.0	175.0	208.7	227.9	268.1	305.0	302.6	289.7
90°	29.7	29.7	24.9	27.3	81.9	166.9	160.5	171.0	155.7	197.4	279.3
92.5°	28.9	28.9	24.1	24.9	69.8	185.4	186.2	185.4	164.5	201.5	293.8
95°	25.7	26.5	20.9	21.7	51.4	173.4	203.9	197.4	166.1	203.1	293.0
97.5°	21.7	22.5	16.1	18.5	34.5	117.2	151.7	154.9	103.5	102.7	132.4
100°	16.1	16.9	11.2	14.4	20.9	53.8	81.1	76.2	51.4	28.1	18.5
102.5°	15.2	16.1	9.6	11.2	12.8	18.5	29.7	22.5	19.3	16.1	16.1
105°	16.9	16.9	8.8	8.0	8.0	8.8	7.2	10.4	11.2	12.0	16.9
107.5°	14.4	15.2	6.4	6.4	5.6	5.6	4.8	4.8	6.4	10.4	18.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.2	11.2	5.6	5.6	4.0	4.8	4.8	4.0	5.6	8.0	14.4
112.5°	6.4	7.2	3.2	4.8	3.2	4.0	4.0	3.2	4.8	5.6	8.0
115°	6.4	6.4	3.2	2.4	2.4	2.4	3.2	3.2	4.0	5.6	8.8
117.5°	6.4	6.4	3.2	2.4	1.6	2.4	2.4	2.4	4.0	5.6	8.8
120°	6.4	6.4	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.6	8.8
122.5°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	4.0	5.6	8.0
125°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	7.2
127.5°	7.2	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.4
130°	6.4	6.4	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.8	6.4
132.5°	6.4	5.6	3.2	1.6	1.6	1.6	1.6	2.4	3.2	4.0	5.6
135°	5.6	4.8	3.2	1.6	2.4	1.6	2.4	2.4	3.2	4.0	4.8
137.5°	4.8	4.8	3.2	2.4	2.4	2.4	2.4	2.4	3.2	4.0	4.0
140°	5.6	4.8	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0	4.0
142.5°	6.4	5.6	4.0	3.2	3.2	2.4	2.4	3.2	3.2	4.0	4.0
145°	6.4	6.4	4.8	4.0	2.4	2.4	2.4	3.2	4.0	4.0	4.8
147.5°	7.2	6.4	4.8	4.0	2.4	1.6	2.4	2.4	4.0	4.8	4.8
150°	6.4	6.4	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8	4.8
152.5°	4.8	4.8	3.2	1.6	0.8	0.8	1.6	2.4	3.2	4.0	4.8
155°	3.2	3.2	1.6	0.8	0.0	0.8	0.8	1.6	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.0	0.0	0.8	0.8	1.6	2.4	3.2	3.2
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	2.4	2.4
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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	4.8	4.0	4.0	3.2	3.2	2.4	2.4	2.4	2.4	3.2	4.0
5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	4.8	5.6	6.4	6.4
7.5°	4.8	4.8	4.8	4.0	4.8	6.4	25.7	73.8	81.1	85.9	87.5
10°	8.8	8.0	7.2	6.4	12.0	81.9	101.1	110.0	114.0	118.0	118.0
12.5°	84.3	84.3	34.5	19.3	82.7	110.0	115.6	122.0	127.6	133.2	134.0
15°	183.0	180.6	174.2	159.7	138.1	124.4	130.0	192.6	226.3	241.6	239.2
17.5°	209.5	206.3	202.3	230.4	240.0	191.8	223.9	248.8	256.0	264.1	263.3
20°	388.5	384.5	299.4	268.1	262.5	321.9	256.0	261.7	274.5	349.9	352.4
22.5°	435.0	430.2	400.5	408.5	306.6	349.1	337.9	354.0	394.9	406.9	408.5
25°	509.7	490.4	454.3	427.0	434.2	364.4	420.6	394.1	409.3	423.8	426.2
27.5°	705.5	694.3	630.1	478.4	443.0	455.9	438.2	428.6	512.1	542.6	545.0
30°	760.1	748.8	668.6	553.8	467.1	467.1	441.4	534.5	538.6	554.6	558.6
32.5°	1033.0	1010.5	850.0	562.6	484.8	446.3	500.0	526.5	590.7	638.9	646.9
35°	1096.4	1077.1	877.3	642.9	468.7	464.7	471.9	554.6	602.0	630.9	637.3
37.5°	1162.2	1140.5	874.1	612.4	496.8	443.0	459.1	518.5	586.7	661.4	671.0
40°	1252.1	1225.6	878.1	573.1	465.5	419.0	431.0	497.6	544.2	590.7	598.8
42.5°	1372.5	1319.5	885.3	537.8	429.4	408.5	410.9	449.5	471.1	490.4	490.4
45°	1534.6	1448.7	887.7	500.8	393.3	384.5	387.7	405.3	413.4	401.3	395.7
47.5°	1752.1	1608.5	917.4	467.9	362.8	358.0	360.4	366.0	362.0	330.7	325.1
50°	2005.8	1796.3	933.5	439.0	340.3	339.5	335.5	335.5	321.0	285.7	283.3
52.5°	2285.9	2020.2	947.1	403.7	324.3	328.3	328.3	311.4	289.7	261.7	259.2
55°	2641.4	2278.6	967.2	373.2	310.6	309.8	318.6	297.8	275.3	251.2	251.2
57.5°	2994.6	2552.3	991.2	346.7	295.4	297.0	309.8	293.0	280.9	271.3	270.5
60°	3347.7	2834.9	952.7	322.7	289.7	286.5	307.4	311.4	297.0	302.6	308.2
62.5°	3679.2	3015.5	797.8	301.8	279.3	284.1	328.3	353.2	348.3	342.7	344.3
65°	3835.7	3052.4	646.9	283.3	272.1	301.0	362.0	399.7	383.7	365.2	363.6
67.5°	3862.2	2956.9	476.0	272.1	268.1	330.7	388.5	410.1	386.1	378.8	372.4
70°	3676.0	2714.5	380.4	260.0	271.3	335.5	405.3	407.7	390.1	398.1	390.1
72.5°	3126.2	2261.0	333.1	248.8	272.1	323.5	405.3	408.5	388.5	411.7	407.7
75°	2238.5	1585.2	296.2	239.2	263.3	309.8	399.7	407.7	383.7	409.3	402.9
76°	1823.6	1257.7	285.7	241.6	259.2	305.0	398.1	405.3	384.5	407.7	401.3
77.5°	1204.7	821.9	268.1	240.0	252.0	302.6	394.1	402.1	383.7	402.9	396.5
80°	644.5	465.5	241.6	223.9	243.2	304.2	390.9	394.1	368.4	390.1	382.0
82.5°	424.6	346.7	208.7	203.1	234.4	306.6	389.3	384.5	355.6	390.1	368.4
85°	333.1	286.5	156.5	162.9	213.5	296.2	384.5	370.8	344.3	354.0	341.1
87.5°	282.5	236.0	93.9	116.4	187.0	252.0	341.1	306.6	291.4	301.0	295.4
90°	265.7	208.7	53.0	81.9	140.5	167.7	215.1	199.9	193.4	204.7	202.3
92.5°	268.1	203.9	52.2	77.9	150.1	180.6	222.3	204.7	185.4	185.4	183.0
95°	256.0	190.2	51.4	61.8	135.6	175.8	208.7	183.8	149.3	142.1	139.7
97.5°	111.6	92.3	48.2	47.4	77.9	121.2	151.7	131.6	98.7	77.1	77.1
100°	18.5	29.7	41.7	45.7	45.7	64.2	85.9	81.1	47.4	24.9	25.7
102.5°	19.3	16.9	28.9	37.7	29.7	26.5	39.3	49.0	31.3	9.6	10.4
105°	20.1	17.7	14.4	26.5	16.9	8.8	12.0	22.5	14.4	9.6	9.6
107.5°	21.7	18.5	8.8	9.6	7.2	7.2	6.4	5.6	7.2	9.6	10.4



REPORT NUMBER: P414024

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.9	15.2	8.0	7.2	6.4	7.2	4.8	4.8	5.6	9.6	10.4
112.5°	9.6	9.6	7.2	5.6	5.6	6.4	4.0	4.0	5.6	10.4	10.4
115°	9.6	9.6	6.4	4.8	4.0	4.8	4.0	3.2	5.6	10.4	11.2
117.5°	9.6	9.6	6.4	4.8	4.0	3.2	3.2	3.2	5.6	10.4	11.2
120°	9.6	8.8	5.6	4.0	4.0	2.4	2.4	2.4	4.8	10.4	11.2
122.5°	8.8	8.8	5.6	4.0	3.2	2.4	2.4	2.4	4.8	9.6	10.4
125°	8.0	8.0	5.6	4.0	3.2	2.4	1.6	2.4	4.8	8.8	9.6
127.5°	7.2	7.2	4.8	4.0	3.2	2.4	1.6	2.4	4.8	8.8	9.6
130°	6.4	6.4	4.8	3.2	3.2	1.6	1.6	1.6	4.8	8.0	8.8
132.5°	5.6	5.6	4.0	3.2	2.4	1.6	0.8	1.6	4.0	7.2	7.2
135°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	5.6	6.4
137.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.8	4.8
140°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
142.5°	4.0	4.0	3.2	3.2	2.4	1.6	0.8	1.6	2.4	4.0	4.8
145°	4.8	4.0	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
147.5°	4.8	4.8	4.0	3.2	2.4	1.6	0.8	1.6	3.2	4.8	4.8
150°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.8
152.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.0	1.6	3.2	3.2
155°	4.0	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
157.5°	3.2	3.2	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	0.0	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)