

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: P254696

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254696  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8315.5 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

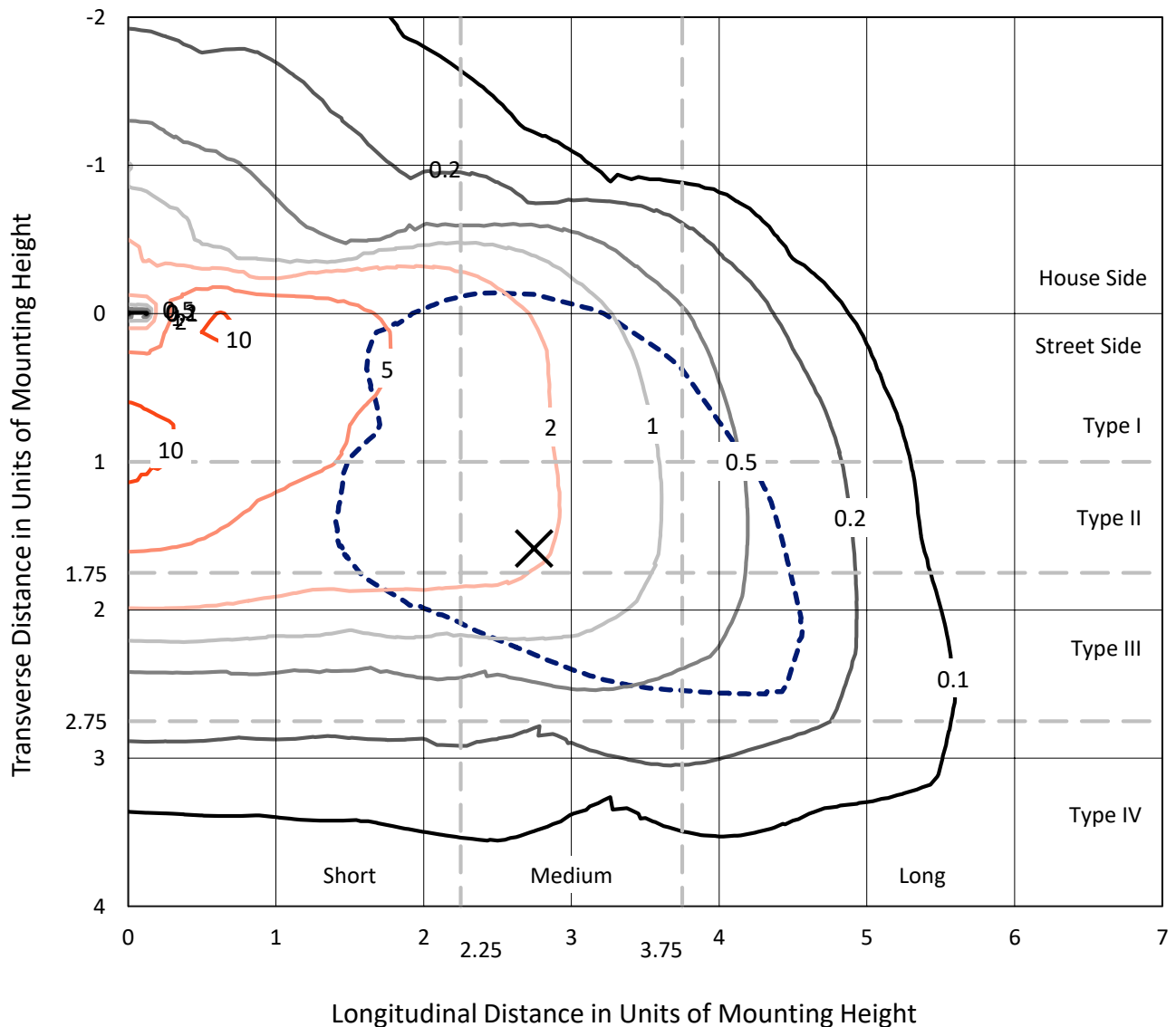
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P254696  
 CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

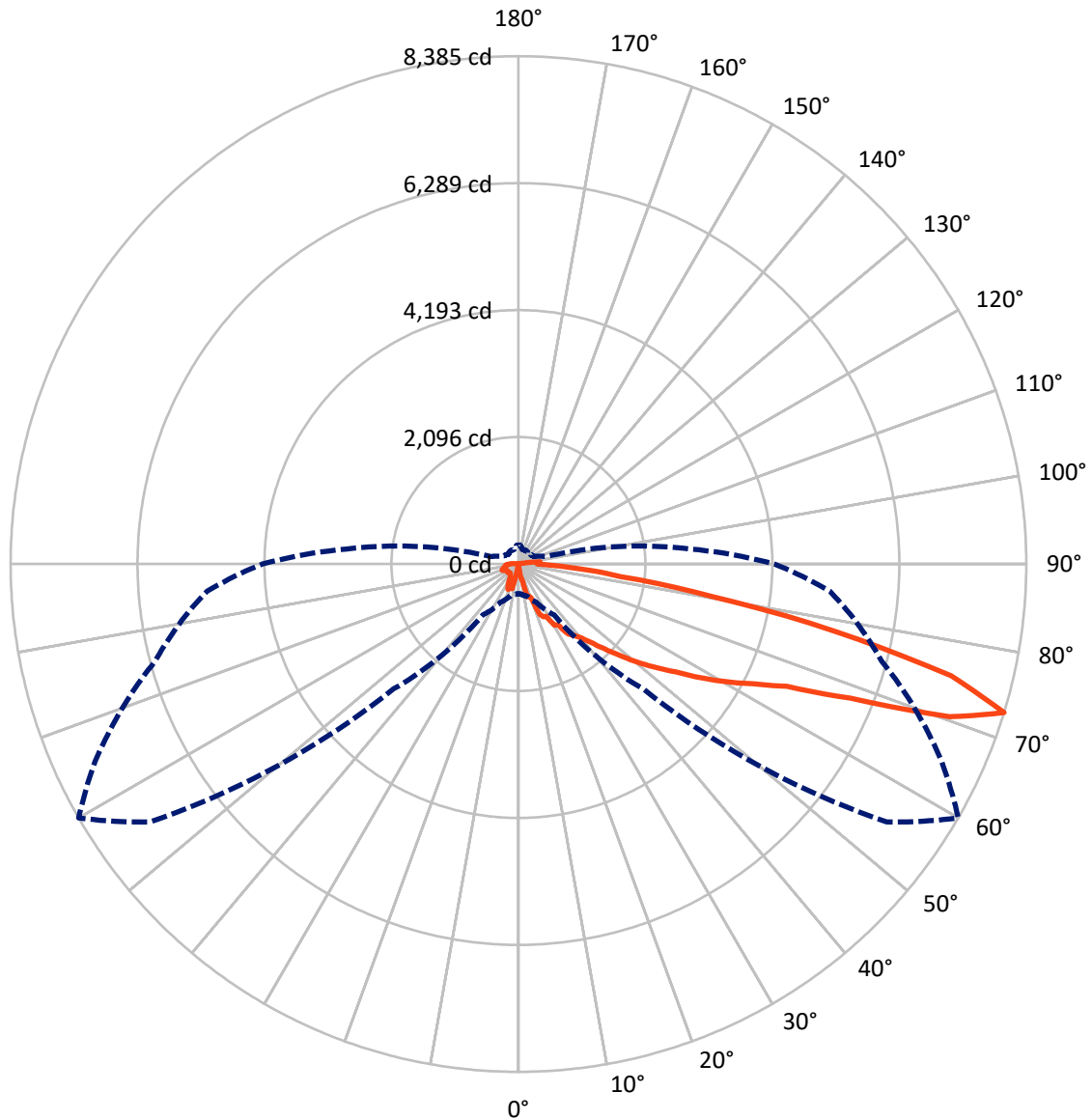


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P254696

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

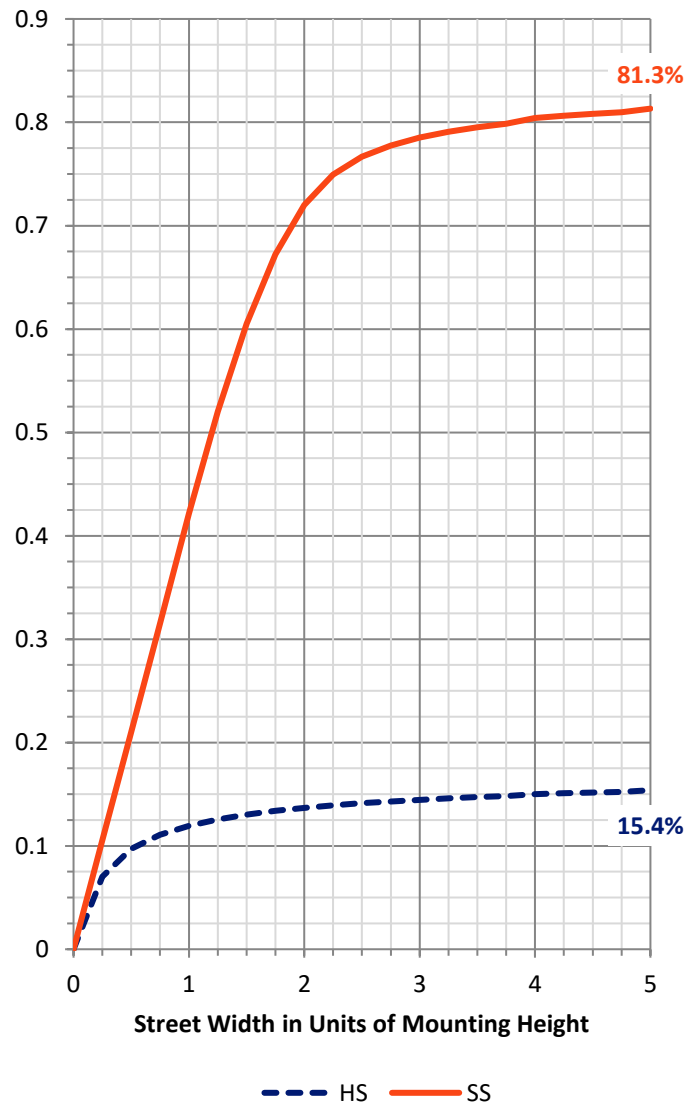
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1349.4	54.1	1403.5
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	6842.7	69.3	6912.0
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	8192.1	123.4	8315.5
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	111.5	1.3
20°-30°	327.0	3.9
30°-40°	651.3	7.8
40°-50°	1119.7	13.5
50°-60°	1713.1	20.6
60°-70°	2159.3	26.0
70°-80°	1718.8	20.7
80°-90°	382.3	4.6
90°-100°	107.5	1.3
100°-110°	10.6	0.1
110°-120°	2.0	0.0
120°-130°	1.6	0.0
130°-140°	0.7	0.0
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8192.1	98.5
0°-180°	8315.5	100.0



REPORT NUMBER: P254696

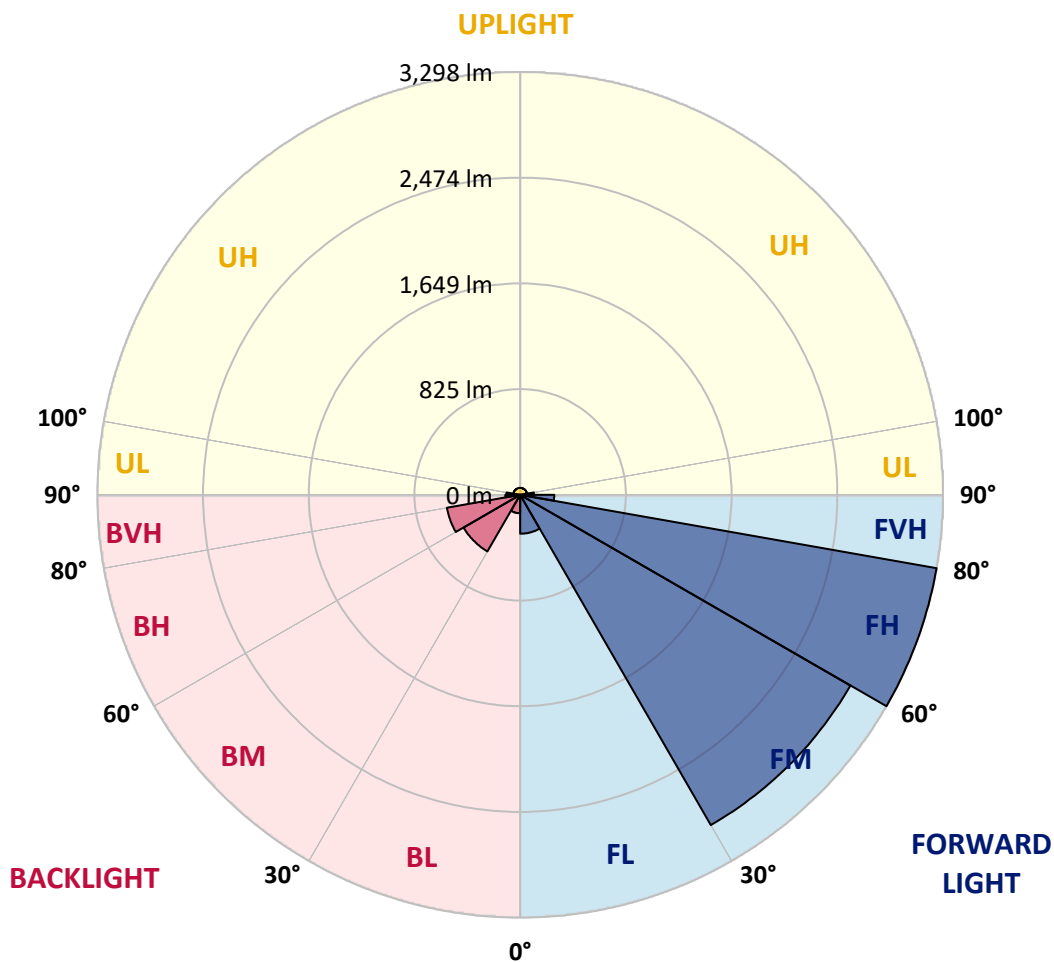
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.7	3.7			
FM	(30°-60°)	2974.7	35.8			
FH	(60°-80°)	3298.3	39.7			G2/5000
FVH	(80°-90°)	265.9	3.2			G3/500
BL	(0°-30°)	143.9	1.7	B1/500		
BM	(30°-60°)	509.4	6.1	B1/1000		
BH	(60°-80°)	579.8	7.0	B2/1000		G2/1000
BVH	(80°-90°)	116.4	1.4			G2/225
UL	(90°-100°)	107.5	1.3		U3/500	
UH	(100°-180°)	54.1	0.7		U3/500	

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

Type III Medium





REPORT NUMBER: P254696

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.1	5.1	4.1	5.1	5.1	4.1	3.1	4.1	4.1	4.1	3.1
5°	254.7	257.8	230.2	180.0	34.8	24.6	8.2	5.1	5.1	4.1	4.1
7.5°	256.8	258.8	270.1	266.0	271.1	258.8	90.0	26.6	11.3	5.1	4.1
10°	276.2	275.2	272.1	278.2	277.2	263.9	254.7	243.5	55.2	7.2	6.1
12.5°	533.0	535.0	521.7	421.5	293.6	272.1	262.9	254.7	207.7	148.3	344.7
15°	537.0	534.0	519.7	542.2	534.0	312.0	436.8	557.5	561.6	417.4	479.8
17.5°	564.7	557.5	540.1	524.8	521.7	623.0	586.2	555.5	565.7	485.9	519.7
20°	768.2	761.1	751.9	733.5	558.5	711.0	708.9	592.3	597.4	969.8	945.2
22.5°	780.5	768.2	761.1	750.8	835.8	698.7	840.9	901.2	904.3	1029.1	997.4
25°	1037.3	1033.2	968.7	780.5	833.7	794.8	964.6	966.7	946.2	1082.3	1188.7
27.5°	1148.8	1116.0	1056.7	1021.9	858.3	949.3	962.6	977.9	1229.6	1466.9	1431.1
30°	1543.6	1500.7	1179.5	1148.8	1016.8	963.6	1110.9	1169.2	1271.5	1473.0	1482.3
32.5°	1782.1	1723.8	1562.0	1431.1	1206.1	1059.8	1188.7	1196.9	1280.7	1836.3	1874.1
35°	2202.5	2125.8	1750.4	1593.8	1408.6	1262.3	1231.6	1423.9	1538.5	1917.1	1940.6
37.5°	2284.4	2284.4	2176.9	1899.7	1616.3	1416.8	1449.5	1495.6	1613.2	2064.4	2054.2
40°	2365.2	2374.4	2394.8	2159.6	1841.4	1642.9	1595.8	1603.0	1713.5	2233.2	2189.2
42.5°	2565.7	2558.5	2592.3	2360.0	2144.2	1894.6	1816.9	1778.0	1857.8	2451.1	2360.0
45°	2912.4	2912.4	2886.9	2570.8	2373.3	2146.3	2072.6	2001.0	2029.6	2664.9	2594.3
47.5°	3342.1	3294.0	3158.0	2816.3	2573.8	2381.5	2320.2	2253.7	2268.0	2918.6	2873.6
50°	3664.3	3613.2	3353.3	2994.3	2738.5	2627.0	2597.4	2548.3	2527.8	3160.0	3178.4
52.5°	3733.9	3671.5	3442.3	3103.7	2876.6	2880.7	2911.4	2840.8	2774.3	3419.8	3486.3
55°	3649.0	3614.2	3471.0	3186.6	3006.6	3095.6	3230.6	3141.6	3111.9	3704.2	3785.0
57.5°	3480.2	3465.9	3457.7	3256.2	3094.5	3330.8	3640.8	3541.6	3463.8	3967.1	4000.9
60°	3123.2	3128.3	3221.4	3255.1	3253.1	3578.4	4022.3	3942.6	3793.2	4220.8	4256.6
62.5°	2494.1	2529.9	2774.3	3012.7	3338.0	3956.9	4387.5	4359.9	4199.3	4510.3	4505.2
65°	1574.3	1643.9	2007.1	2546.2	3222.4	4475.5	4977.8	4869.3	4659.6	4844.8	4921.5
67.5°	851.1	875.6	1077.2	1677.6	2789.7	4719.0	6257.6	5902.6	5417.8	5380.9	5395.2
70°	614.8	622.0	674.1	926.8	1744.2	4326.2	7386.9	7550.6	6617.7	5957.9	5578.4
72.5°	486.9	500.2	550.3	696.6	1027.0	2915.5	7424.8	8385.3	7710.2	6211.6	5158.9
75°	335.5	356.0	444.0	599.4	925.8	1455.7	6039.7	7380.8	7443.2	5699.1	4100.1
77.5°	179.0	182.1	202.5	464.4	877.7	1050.6	3901.6	5340.0	5327.7	4007.0	2220.9
80°	145.3	147.3	155.5	200.5	751.9	1072.1	2094.1	3233.6	2962.6	1556.9	809.2
82.5°	95.1	101.3	123.8	136.1	337.6	1034.2	1243.9	1694.1	1351.3	562.6	507.4
85°	56.3	62.4	90.0	100.2	160.6	1207.1	1116.0	1019.9	780.5	397.9	381.6
87.5°	19.4	19.4	26.6	34.8	53.2	345.8	583.1	466.5	358.0	263.9	314.0
90°	10.2	11.3	6.1	6.1	23.5	106.4	312.0	310.0	243.5	258.8	335.5
92.5°	11.3	11.3	6.1	6.1	24.6	63.4	332.5	356.0	287.4	290.5	363.1
95°	12.3	13.3	5.1	5.1	23.5	44.0	292.6	362.1	281.3	262.9	316.1
97.5°	13.3	14.3	5.1	4.1	15.3	33.8	147.3	206.6	162.6	123.8	138.1
100°	12.3	13.3	3.1	3.1	7.2	22.5	56.3	76.7	69.6	28.6	16.4
102.5°	12.3	13.3	3.1	2.0	3.1	12.3	12.3	28.6	17.4	9.2	13.3
105°	12.3	13.3	3.1	2.0	1.0	6.1	4.1	5.1	6.1	8.2	15.3
107.5°	7.2	8.2	2.0	2.0	1.0	1.0	2.0	2.0	4.1	6.1	13.3
110°	3.1	3.1	1.0	1.0	0.0	1.0	1.0	2.0	4.1	5.1	7.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	4.1	6.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	6.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	6.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	4.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.1
140°	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
142.5°	2.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	3.1	3.1
145°	3.1	2.0	2.0	1.0	0.0	0.0	1.0	2.0	3.1	3.1	3.1
147.5°	3.1	3.1	2.0	1.0	0.0	0.0	1.0	2.0	3.1	4.1	4.1
150°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	3.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	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





REPORT NUMBER: P254696

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0
7.5°	3.1	3.1	3.1	2.0	2.0	1.0	189.2	219.9	252.7	247.6	240.4
10°	5.1	5.1	5.1	4.1	12.3	227.1	254.7	243.5	238.3	236.3	239.4
12.5°	348.8	411.2	137.1	20.5	201.5	222.0	227.1	214.8	222.0	224.0	217.9
15°	478.7	469.5	431.7	444.0	394.9	213.8	203.6	302.8	301.8	300.7	300.7
17.5°	517.6	492.0	426.6	451.1	394.9	324.3	251.6	240.4	232.2	233.2	231.2
20°	931.9	871.6	674.1	438.8	345.8	346.8	213.8	185.2	232.2	271.1	276.2
22.5°	939.1	880.8	705.8	568.8	345.8	274.2	209.7	218.9	262.9	287.4	291.5
25°	1181.5	1068.0	693.6	480.8	346.8	223.0	223.0	210.7	239.4	273.1	278.2
27.5°	1348.2	1216.3	846.0	471.6	260.9	217.9	199.5	201.5	255.7	279.3	280.3
30°	1350.3	1194.8	795.9	395.9	216.9	189.2	180.0	210.7	224.0	239.4	240.4
32.5°	1755.5	1523.2	894.1	318.1	193.3	170.8	181.1	200.5	226.1	263.9	268.0
35°	1755.5	1497.6	778.5	292.6	183.1	171.9	186.2	214.8	215.8	244.5	250.6
37.5°	1804.6	1495.6	657.8	244.5	191.3	171.9	194.4	201.5	210.7	240.4	241.4
40°	1881.3	1517.0	538.1	223.0	189.2	187.2	189.2	198.5	196.4	215.8	216.9
42.5°	2008.2	1565.1	447.0	215.8	188.2	196.4	191.3	188.2	177.0	232.2	233.2
45°	2194.3	1674.6	380.5	215.8	189.2	209.7	197.4	182.1	170.8	280.3	288.5
47.5°	2413.2	1811.7	349.8	221.0	193.3	212.8	188.2	182.1	182.1	303.8	307.9
50°	2675.1	1969.3	335.5	225.0	206.6	210.7	194.4	193.3	201.5	282.3	281.3
52.5°	2952.3	2163.6	333.5	231.2	215.8	202.5	219.9	206.6	180.0	206.6	206.6
55°	3227.5	2403.0	330.4	233.2	210.7	207.7	225.0	184.1	153.4	167.8	169.8
57.5°	3492.5	2631.1	342.7	225.0	209.7	207.7	214.8	184.1	158.6	171.9	175.9
60°	3762.5	2885.8	415.3	212.8	213.8	202.5	213.8	199.5	174.9	207.7	211.8
62.5°	4089.9	3236.7	565.7	224.0	216.9	205.6	212.8	211.8	182.1	198.5	202.5
65°	4558.4	3627.5	654.7	263.9	226.1	214.8	212.8	229.1	203.6	193.3	194.4
67.5°	4879.6	3769.7	635.3	297.7	248.6	221.0	230.2	246.5	217.9	219.9	218.9
70°	4821.3	3517.0	552.4	314.0	262.9	227.1	248.6	245.5	229.1	260.9	258.8
72.5°	4224.9	2851.1	468.5	288.5	258.8	229.1	252.7	251.6	248.6	313.0	313.0
75°	3146.7	1913.0	406.1	264.9	247.6	227.1	247.6	249.6	247.6	320.2	322.2
77.5°	1544.7	955.4	344.7	238.3	229.1	232.2	244.5	245.5	242.4	311.0	311.0
80°	690.5	523.8	262.9	200.5	221.0	244.5	245.5	236.3	240.4	294.6	293.6
82.5°	478.7	376.4	171.9	175.9	247.6	264.9	250.6	231.2	228.1	269.0	264.9
85°	347.8	277.2	105.4	149.4	271.1	250.6	237.3	208.7	199.5	228.1	223.0
87.5°	280.3	221.0	64.4	124.8	247.6	219.9	197.4	171.9	159.6	175.9	167.8
90°	302.8	238.3	64.4	108.4	203.6	164.7	145.3	127.9	115.6	116.6	111.5
92.5°	326.3	253.7	68.5	90.0	150.4	95.1	97.2	89.0	70.6	63.4	57.3
95°	251.6	190.3	60.4	74.7	90.0	58.3	74.7	67.5	48.1	33.8	28.6
97.5°	111.5	90.0	54.2	59.3	63.4	48.1	63.4	54.2	28.6	16.4	14.3
100°	13.3	22.5	47.1	57.3	46.0	32.7	41.9	32.7	12.3	4.1	3.1
102.5°	14.3	10.2	20.5	51.1	26.6	10.2	12.3	12.3	5.1	2.0	2.0
105°	15.3	11.3	8.2	26.6	6.1	2.0	1.0	1.0	1.0	2.0	2.0
107.5°	14.3	10.2	5.1	4.1	3.1	2.0	0.0	0.0	0.0	2.0	3.1
110°	8.2	7.2	5.1	4.1	3.1	2.0	0.0	0.0	0.0	3.1	4.1



REPORT NUMBER: P254696

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.1	6.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	4.1	5.1
115°	7.2	6.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	5.1	6.1
117.5°	8.2	7.2	4.1	3.1	2.0	0.0	0.0	0.0	0.0	6.1	6.1
120°	8.2	7.2	4.1	3.1	1.0	0.0	0.0	0.0	0.0	5.1	6.1
122.5°	8.2	7.2	4.1	2.0	1.0	0.0	0.0	0.0	0.0	5.1	6.1
125°	7.2	7.2	4.1	2.0	1.0	0.0	0.0	0.0	0.0	5.1	5.1
127.5°	7.2	6.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.1
130°	6.1	6.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	3.1	4.1
132.5°	5.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0
135°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	4.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	4.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)