

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: P254581

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3362.4 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

Input Watts (W): 31  
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

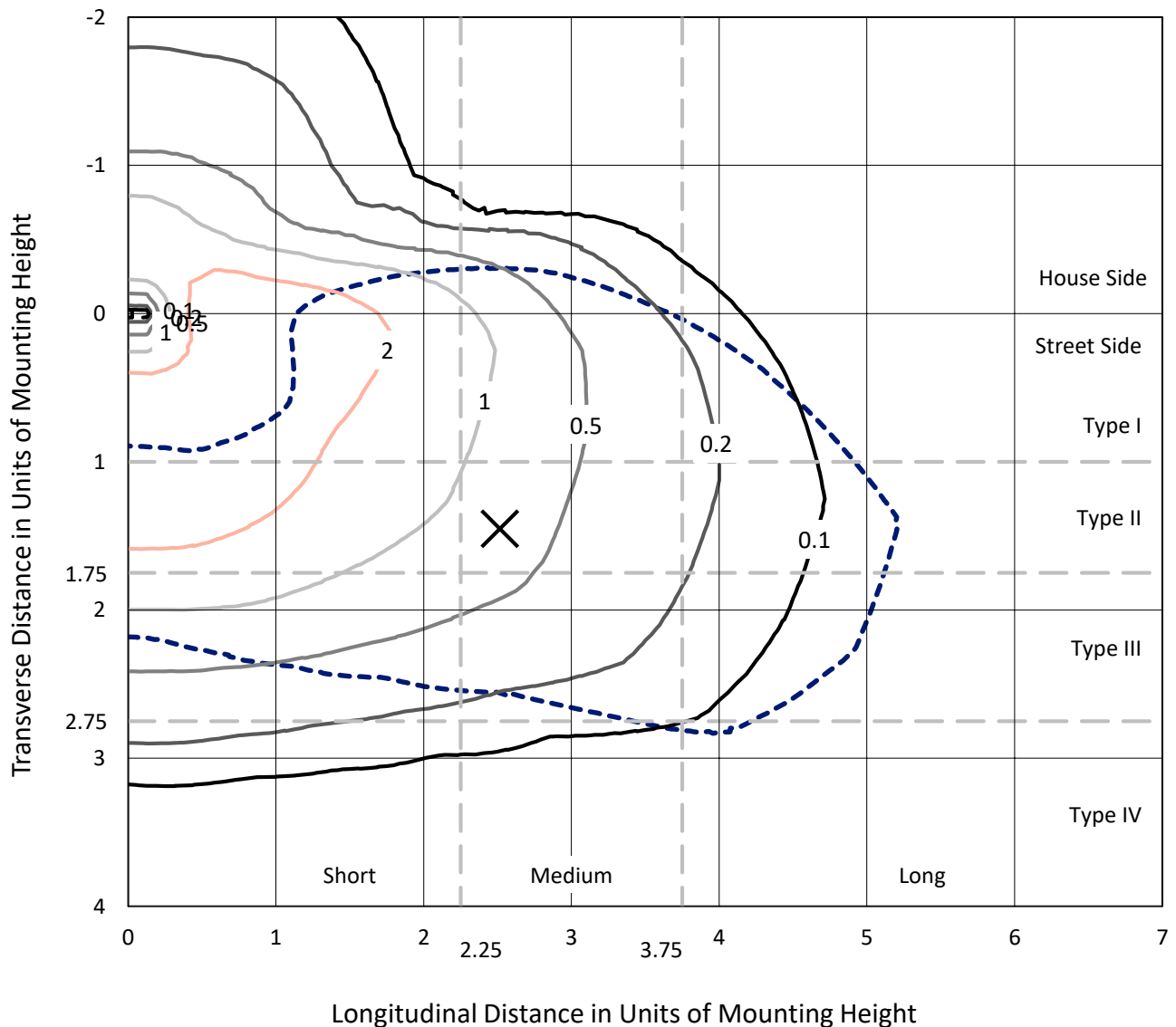


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

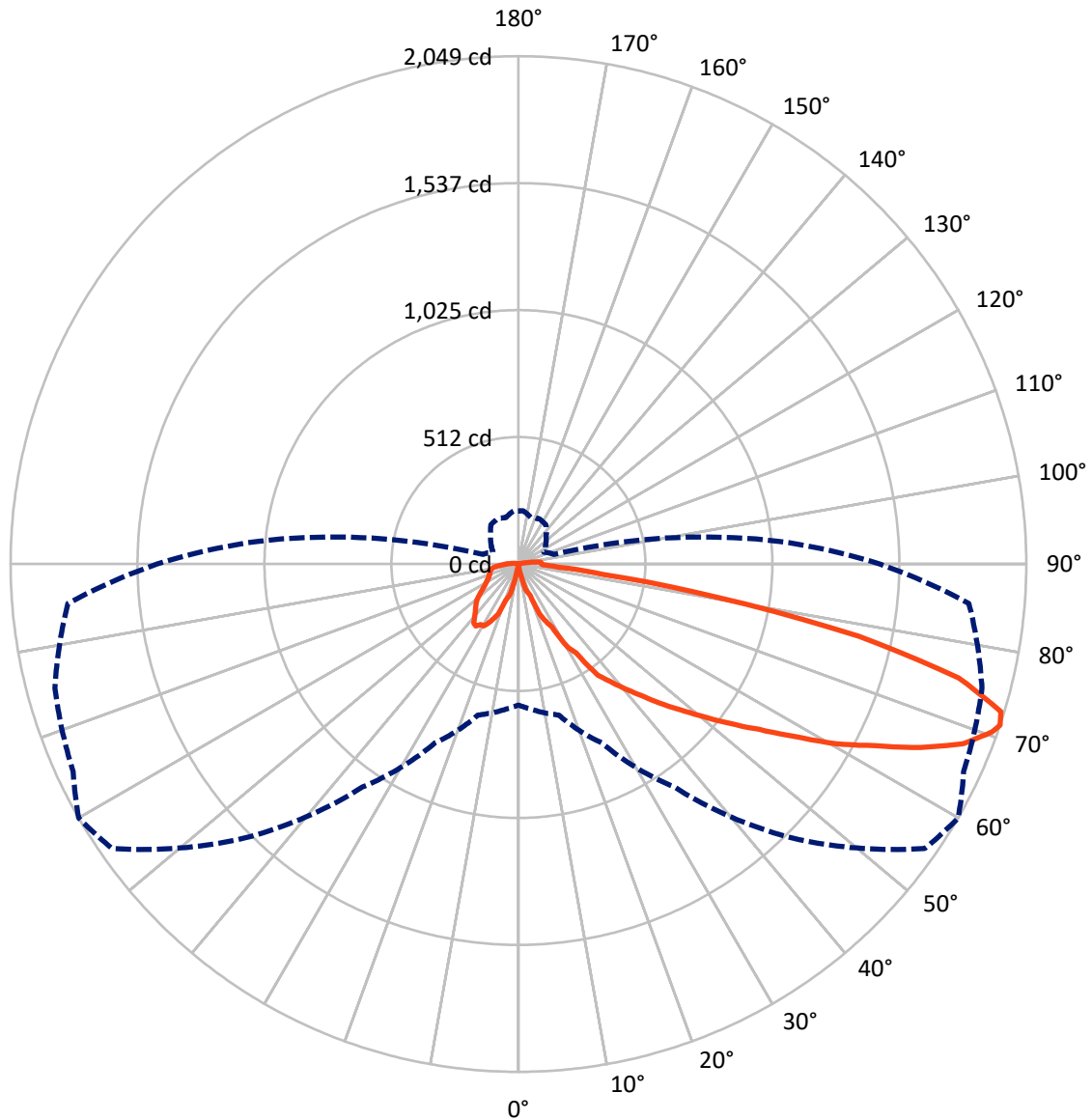


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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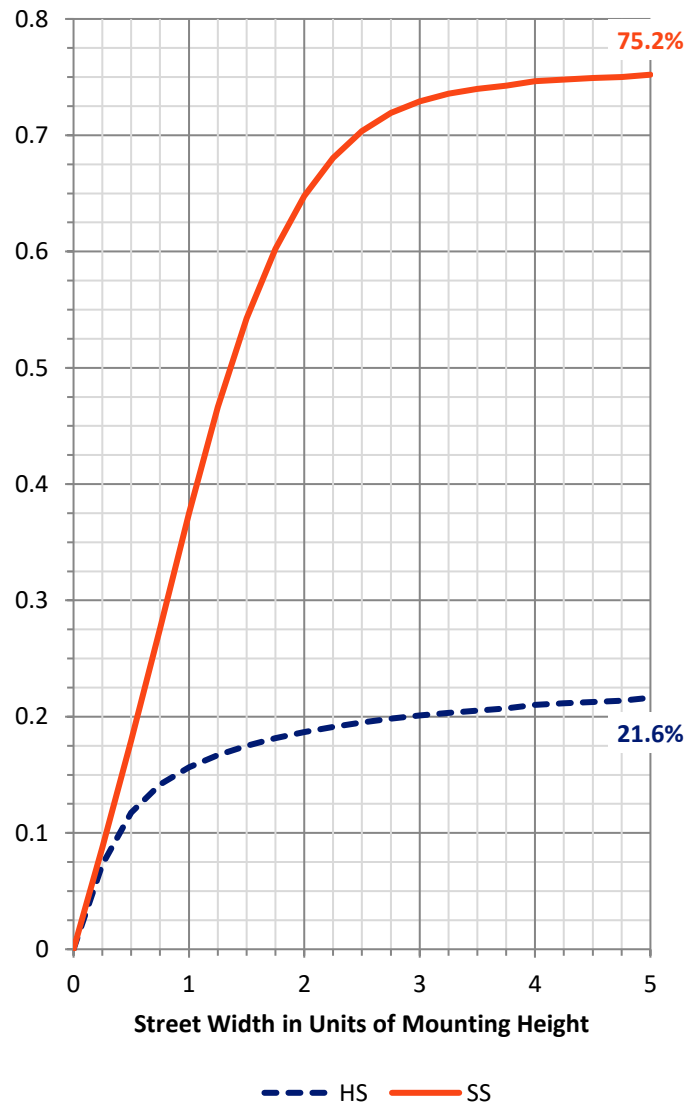
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	763.8	24.8	788.6
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	2549.6	24.1	2573.8
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	3313.5	48.9	3362.4
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	30.2	0.9
20°-30°	124.0	3.7
30°-40°	278.8	8.3
40°-50°	484.0	14.4
50°-60°	733.3	21.8
60°-70°	903.7	26.9
70°-80°	615.9	18.3
80°-90°	141.7	4.2
90°-100°	43.3	1.3
100°-110°	4.0	0.1
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3313.5	98.5
0°-180°	3362.4	100.0



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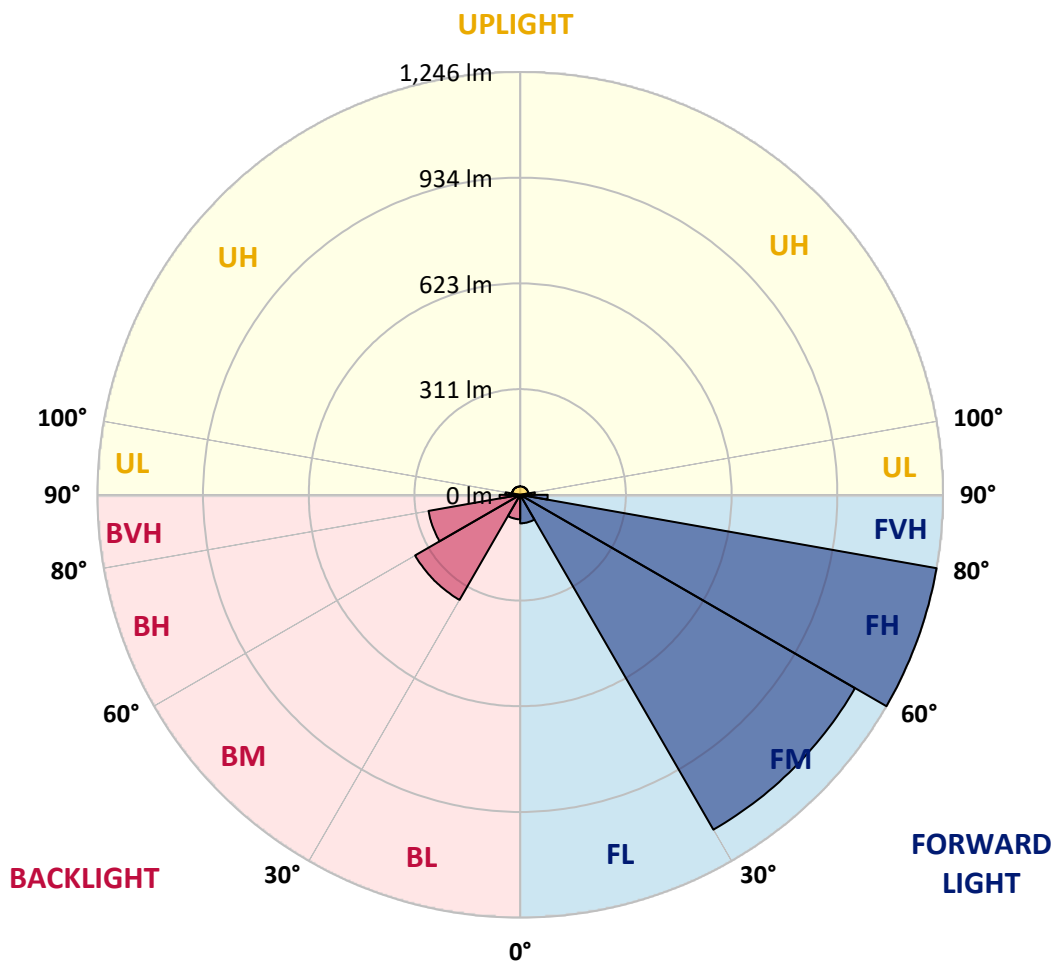
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.0	2.5			
FM (30°-60°)	1138.9	33.9			
FH (60°-80°)	1245.5	37.0			G1/1800
FVH (80°-90°)	81.3	2.4			G1/100
BL (0°-30°)	72.0	2.1	B0/110		
BM (30°-60°)	357.2	10.6	B1/1000		
BH (60°-80°)	274.1	8.2	B1/500		G1/500
BVH (80°-90°)	60.5	1.8			G1/100
UL (90°-100°)	43.3	1.3		U2/50	
UH (100°-180°)	24.8	0.7		U2/50	

**BUG Rating: B1-U2-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.9	2.4	1.5	1.9	1.9	1.5	1.2	1.2	1.5	1.5	1.2
5°	36.0	36.4	38.1	39.2	13.5	9.5	3.6	2.4	1.9	1.5	1.5
7.5°	45.5	44.8	44.0	41.6	42.8	40.0	23.7	9.9	4.7	1.9	1.5
10°	52.7	52.7	49.1	46.3	45.9	45.1	42.8	39.2	18.6	4.0	2.8
12.5°	96.3	93.5	89.1	73.2	55.9	50.3	49.1	50.3	41.2	40.8	54.6
15°	110.1	110.9	108.5	102.6	99.4	64.1	84.4	105.0	105.4	84.4	95.0
17.5°	143.0	142.2	129.9	118.5	115.3	122.8	123.2	118.0	118.5	105.4	112.1
20°	212.7	214.7	204.4	173.1	140.2	162.0	157.2	136.7	139.4	198.9	205.2
22.5°	249.5	253.5	241.2	228.1	226.2	179.8	203.2	217.1	210.7	234.5	236.1
25°	370.3	359.7	313.3	268.1	274.0	239.7	263.0	255.8	244.8	262.2	303.4
27.5°	403.2	406.0	394.1	371.1	314.5	327.1	298.3	286.4	329.9	368.0	379.1
30°	478.1	478.1	435.7	427.0	402.0	365.6	390.2	386.6	394.1	400.1	420.6
32.5°	580.7	574.0	555.0	489.2	461.9	418.3	450.0	428.2	441.3	522.4	556.9
35°	686.4	686.0	621.0	572.8	516.9	510.1	495.1	551.4	566.8	570.4	604.5
37.5°	821.1	822.2	787.1	645.3	587.8	556.9	596.5	600.1	618.3	649.6	660.3
40°	927.3	921.0	875.7	770.0	676.6	632.6	667.1	661.1	692.3	717.3	732.7
42.5°	1060.0	1056.0	993.8	871.5	799.3	729.3	738.7	723.2	745.8	808.0	814.4
45°	1184.7	1177.2	1119.7	989.1	913.4	836.2	815.6	801.3	806.5	877.0	901.1
47.5°	1268.3	1259.6	1237.8	1109.5	1050.1	949.1	906.6	878.1	884.4	963.3	1003.3
50°	1372.9	1344.0	1324.5	1209.6	1167.3	1085.7	995.7	968.0	982.3	1054.5	1116.6
52.5°	1428.8	1389.5	1389.9	1307.9	1267.9	1210.0	1095.2	1068.3	1087.3	1156.2	1246.6
55°	1386.7	1382.8	1417.2	1370.4	1347.9	1298.0	1202.6	1178.0	1209.3	1289.7	1389.5
57.5°	1327.0	1332.9	1403.8	1426.0	1426.0	1385.9	1321.8	1311.5	1345.2	1426.7	1527.0
60°	1258.4	1273.1	1363.8	1427.5	1474.7	1472.3	1450.5	1471.9	1481.8	1559.4	1694.5
62.5°	1157.8	1164.5	1270.7	1399.8	1477.0	1552.7	1586.0	1613.3	1650.9	1714.7	1837.9
65°	1042.5	1050.9	1157.0	1325.3	1463.9	1605.4	1718.7	1784.8	1796.3	1847.3	1941.3
67.5°	893.5	902.8	995.4	1185.5	1412.5	1648.2	1853.7	1934.5	1915.2	1908.0	1965.8
70°	692.3	692.0	757.3	932.0	1224.4	1631.5	1973.0	2028.0	1977.7	1938.5	1897.7
71°	568.8	588.2	631.0	796.2	1098.8	1563.8	2001.5	2049.0	1982.1	1936.1	1824.4
72.5°	362.4	385.0	421.5	568.0	877.0	1388.8	1976.5	2035.2	1967.9	1907.2	1677.0
75°	143.0	148.1	175.0	263.0	475.7	935.2	1745.2	1834.4	1807.8	1753.1	1344.4
77.5°	86.3	89.1	99.4	131.6	218.3	432.5	1274.6	1404.2	1451.0	1425.6	925.3
80°	65.0	67.7	76.8	92.7	145.8	179.8	673.4	806.8	922.1	921.0	519.2
82.5°	49.5	51.1	59.8	65.4	108.5	124.4	253.9	343.4	446.8	446.8	257.5
85°	45.9	45.9	48.7	44.0	72.1	89.1	150.9	165.2	174.7	185.4	150.2
87.5°	18.2	17.8	23.3	22.6	31.7	58.6	95.4	99.8	93.5	113.2	129.5
90°	12.3	12.7	9.9	9.9	17.4	53.9	87.2	91.5	85.9	102.2	133.1
92.5°	11.9	12.3	9.1	9.1	13.1	44.8	91.1	92.7	88.3	105.4	135.4
95°	10.7	11.0	7.6	7.6	10.3	27.3	84.8	87.2	75.7	85.2	108.5
97.5°	8.3	8.7	5.1	5.5	7.9	10.3	50.7	54.2	42.4	40.0	47.2
100°	5.5	5.9	3.2	4.0	4.7	4.7	19.4	21.0	19.0	10.3	5.9
102.5°	5.1	5.5	2.4	2.4	2.4	1.5	4.0	6.3	3.6	4.4	5.1
105°	4.7	5.5	1.5	1.2	0.8	0.8	1.2	1.5	1.9	2.8	5.5
107.5°	3.2	3.6	0.8	0.8	0.4	0.8	0.8	0.8	1.2	1.9	5.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.5	1.5	0.4	0.4	0.0	0.4	0.4	0.8	1.2	1.5	2.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	1.2	1.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2	1.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.2	1.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.2	1.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.9
125°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.9
127.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5
130°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
140°	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
142.5°	0.8	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.8	0.8
145°	0.8	0.8	0.4	0.4	0.0	0.0	0.4	0.4	0.8	0.8	0.8
147.5°	1.2	1.2	0.4	0.0	0.0	0.0	0.4	0.4	0.8	0.8	1.2
150°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
5°	1.2	1.2	1.2	1.2	1.2	0.8	1.5	2.4	2.8	3.2	3.2
7.5°	1.5	1.5	1.5	1.5	1.5	3.2	19.8	44.0	50.3	53.9	52.7
10°	2.8	2.8	2.4	2.8	9.9	49.1	59.8	64.1	65.0	67.7	70.1
12.5°	58.6	50.3	23.7	13.5	50.7	63.7	68.9	72.5	76.4	95.0	85.2
15°	97.1	99.0	97.1	106.9	119.6	72.1	85.5	130.7	141.8	145.0	144.1
17.5°	114.9	112.5	112.5	137.1	141.8	141.0	136.3	145.8	148.5	153.3	151.7
20°	213.9	214.7	201.6	159.3	151.3	189.8	152.5	152.1	181.4	208.4	209.1
22.5°	238.4	240.4	234.1	236.1	198.0	196.1	191.3	200.8	212.3	217.5	215.8
25°	323.7	301.5	261.1	243.2	240.0	200.4	225.8	207.1	208.8	211.5	213.5
27.5°	392.1	389.3	363.2	296.7	240.0	243.2	217.5	213.9	237.6	240.0	240.4
30°	424.6	417.5	388.2	312.1	263.4	232.9	212.0	228.5	224.9	227.4	227.4
32.5°	566.0	562.8	498.3	320.5	255.1	215.4	217.1	216.7	237.2	244.0	242.4
35°	604.1	598.1	502.7	364.0	242.0	217.5	204.4	219.8	219.8	222.6	221.8
37.5°	651.2	641.3	509.7	348.5	249.9	204.4	200.0	204.4	215.4	218.6	216.7
40°	716.2	693.6	503.8	322.8	233.3	202.4	192.5	200.4	199.7	195.7	193.6
42.5°	783.9	757.0	504.2	299.0	220.2	199.7	190.2	188.5	186.2	179.8	178.6
45°	871.9	818.8	510.1	282.4	209.1	198.0	187.7	180.7	177.1	170.7	169.5
47.5°	972.0	884.9	508.2	268.9	198.0	193.3	180.7	173.9	171.9	163.2	162.0
50°	1073.1	949.1	509.7	250.7	185.4	188.1	178.6	169.1	165.6	155.7	155.3
52.5°	1191.0	1016.0	499.5	224.5	170.7	181.4	179.8	170.3	170.3	155.7	154.5
55°	1307.9	1097.9	490.8	196.8	160.8	175.8	182.2	178.6	177.9	157.6	156.4
57.5°	1423.1	1168.5	462.7	172.7	154.5	171.1	187.7	184.2	181.8	165.6	162.0
60°	1547.5	1260.8	409.6	153.6	150.9	167.2	189.3	188.9	175.4	173.9	171.9
62.5°	1641.0	1314.3	341.1	141.0	145.8	165.9	188.5	188.5	177.1	176.7	175.8
65°	1685.4	1320.9	257.9	131.1	140.7	164.0	185.8	193.3	184.2	185.4	183.8
67.5°	1662.8	1269.9	194.1	122.3	135.8	162.4	186.2	198.9	190.5	202.9	200.8
70°	1543.6	1138.3	159.6	116.4	134.3	159.6	191.7	200.4	194.9	214.7	212.3
71°	1456.9	1053.6	148.9	112.9	134.3	158.0	192.9	200.8	194.1	215.8	213.9
72.5°	1309.9	904.3	137.5	107.7	133.5	157.2	192.9	200.4	196.5	221.1	217.5
75°	987.0	620.7	123.2	105.0	132.7	154.9	188.9	196.8	193.3	212.0	211.1
77.5°	632.6	362.8	110.1	104.5	129.5	153.6	183.8	189.8	183.4	199.3	198.5
80°	348.2	208.4	97.8	97.8	123.2	150.9	175.8	177.1	170.7	183.0	177.9
82.5°	206.7	147.7	81.2	85.9	114.1	143.4	167.2	161.6	154.9	177.5	150.9
85°	139.4	114.9	55.9	66.2	102.6	124.4	148.9	140.2	128.7	129.5	123.6
87.5°	115.7	91.5	29.4	43.2	79.6	91.1	110.5	101.8	89.9	88.3	83.2
90°	114.9	89.1	23.3	38.8	63.7	70.5	85.5	77.2	70.5	73.2	69.4
92.5°	115.7	88.3	24.1	33.2	52.3	53.1	70.1	66.9	61.0	62.2	58.2
95°	92.7	69.4	23.3	26.5	29.7	28.1	43.2	43.2	37.2	35.3	32.8
97.5°	38.8	34.5	21.8	21.4	21.0	15.4	25.0	28.5	19.4	13.1	11.5
100°	5.9	9.9	18.2	20.2	14.6	9.1	15.9	18.2	10.3	1.9	1.5
102.5°	5.9	5.1	7.6	15.0	8.7	2.4	6.3	10.3	5.1	1.2	1.5
105°	6.3	5.1	3.2	7.9	1.9	0.8	0.4	2.8	0.8	1.2	1.2
107.5°	5.9	4.7	1.9	1.5	1.2	0.4	0.0	0.0	0.0	1.2	1.5



REPORT NUMBER: P254581

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	3.2	2.8	1.9	1.2	0.8	0.4	0.0	0.0	0.0	1.2	1.5
112.5°	1.9	2.4	1.5	1.2	0.4	0.4	0.0	0.0	0.0	1.5	1.9
115°	2.4	2.4	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.5	1.9
117.5°	2.4	2.4	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.5	1.9
120°	2.4	2.4	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.5	1.9
122.5°	2.4	2.4	1.5	0.8	0.4	0.0	0.0	0.0	0.0	1.2	1.5
125°	1.9	1.9	1.5	0.8	0.0	0.0	0.0	0.0	0.0	1.2	1.5
127.5°	1.9	1.9	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.2
130°	1.9	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8
132.5°	1.5	1.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)