

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: P255175

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255175  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
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-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3295.9 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

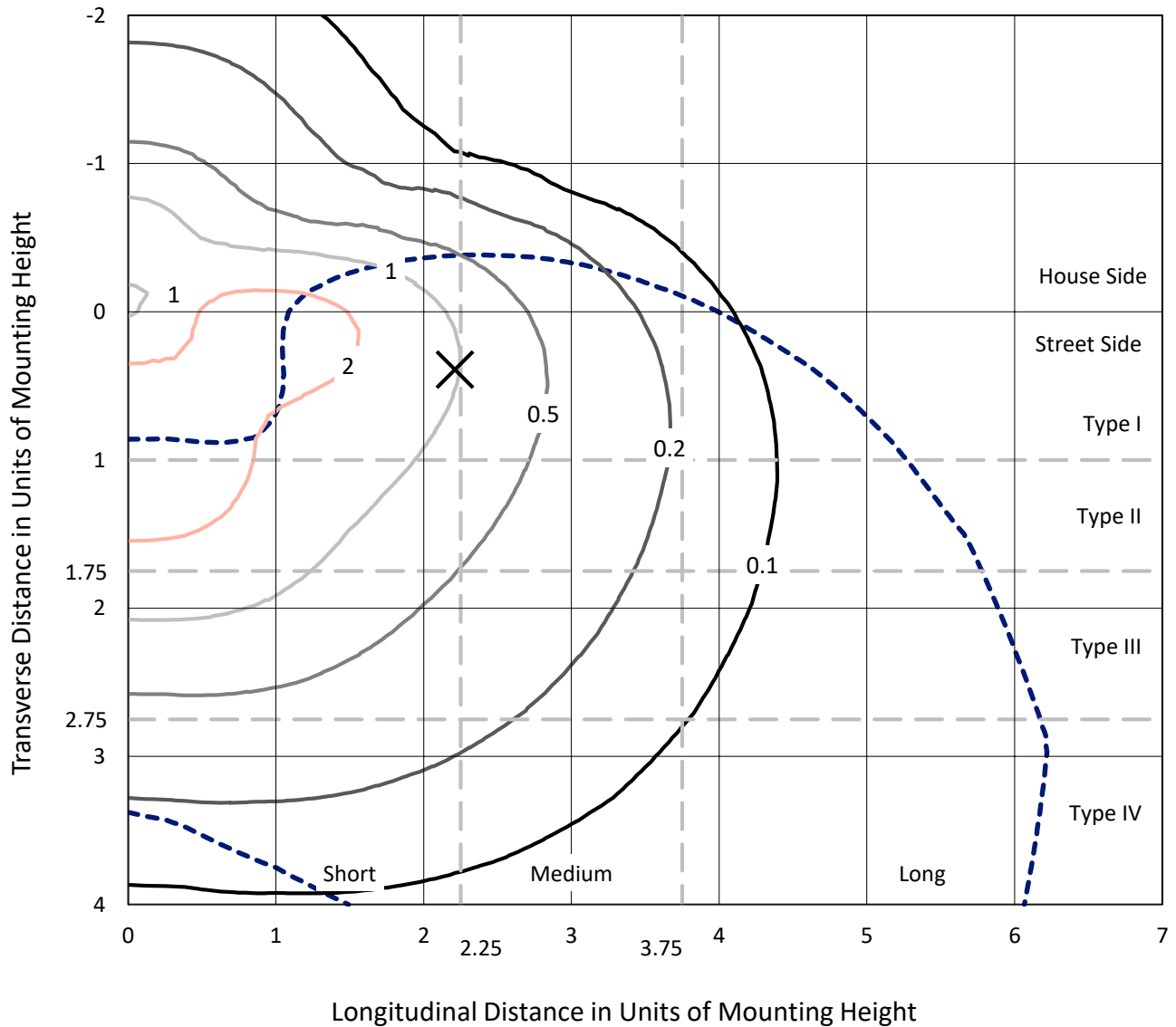
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

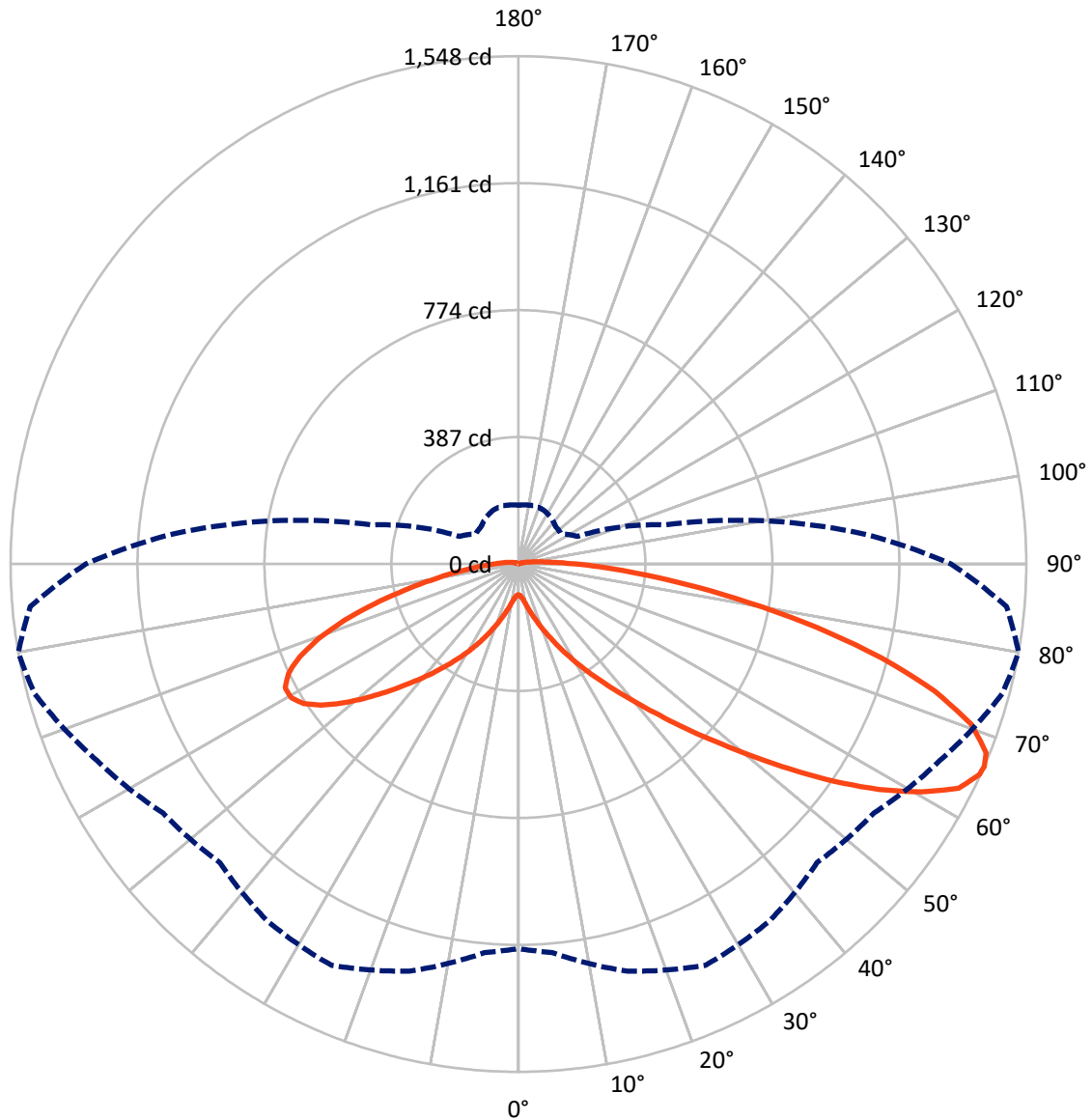
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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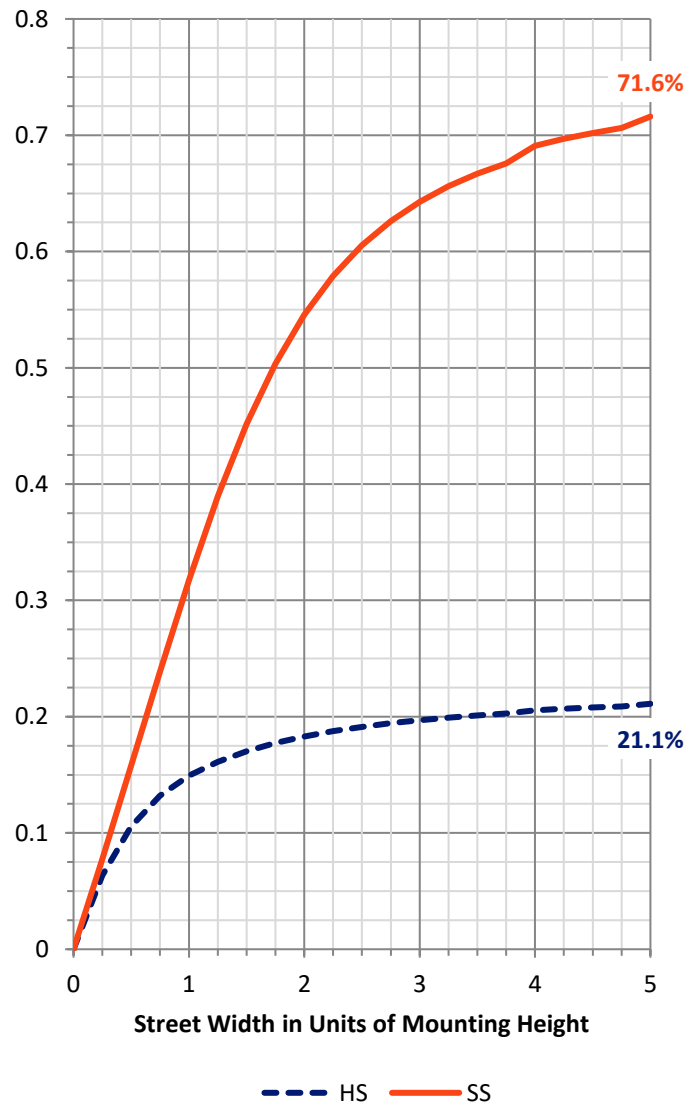
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	730.9	47.1	778.0
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	2454.8	63.1	2517.9
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	3185.7	110.2	3295.9
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	0.3
10°-20°	44.7	1.4
20°-30°	114.2	3.5
30°-40°	226.0	6.9
40°-50°	391.8	11.9
50°-60°	624.8	19.0
60°-70°	812.3	24.6
70°-80°	671.8	20.4
80°-90°	289.8	8.8
90°-100°	75.6	2.3
100°-110°	22.3	0.7
110°-120°	8.3	0.3
120°-130°	2.9	0.1
130°-140°	0.9	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3185.7	96.7
0°-180°	3295.9	100.0



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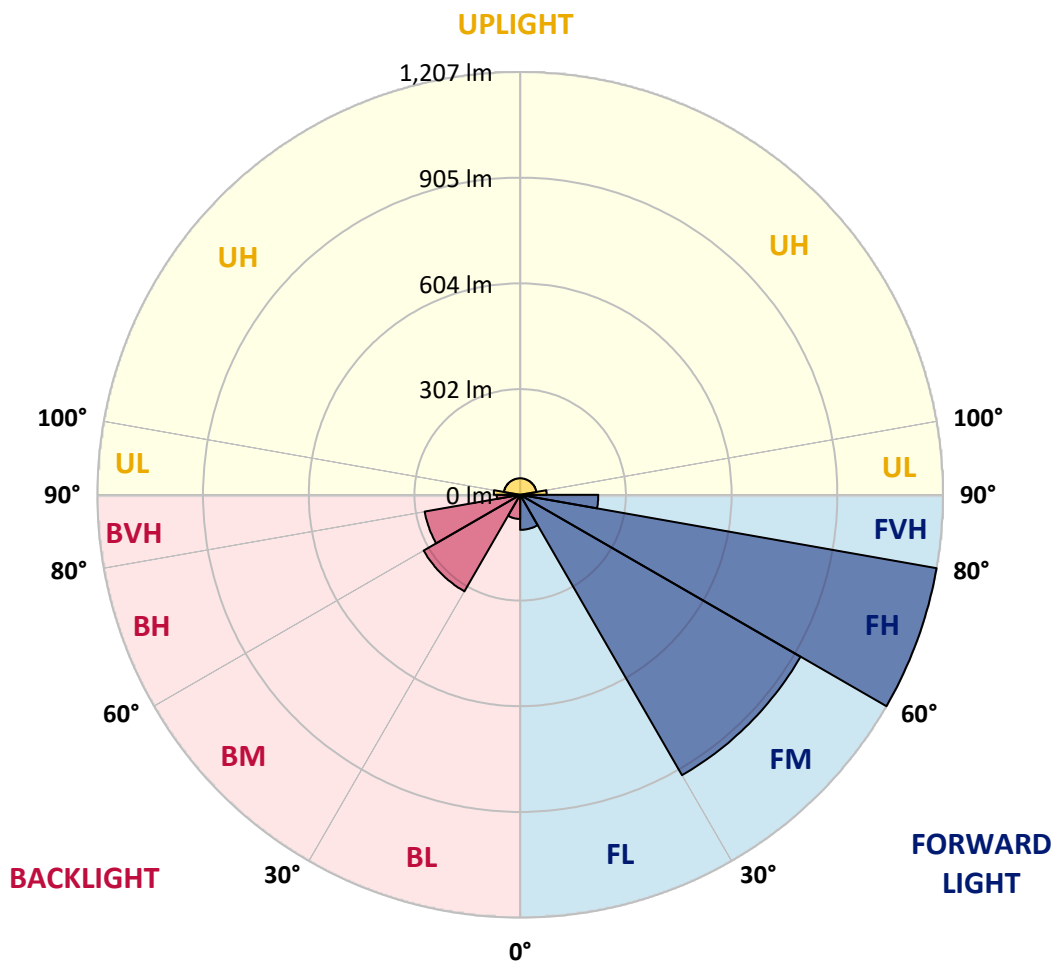
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.1	3.0			
FM	(30°-60°)	924.3	28.0			
FH	(60°-80°)	1207.3	36.6			G1/1800
FVH	(80°-90°)	223.1	6.8			G2/225
BL	(0°-30°)	69.0	2.1	B0/110		
BM	(30°-60°)	318.3	9.7	B1/1000		
BH	(60°-80°)	276.8	8.4	B1/500		G1/500
BVH	(80°-90°)	66.8	2.0			G1/100
UL	(90°-100°)	75.6	2.3		U3/500	
UH	(100°-180°)	47.1	1.4		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2.5°	101.0	100.7	101.0	101.0	100.7	100.2	99.0	98.2	97.1	96.3	95.9
5°	109.4	108.9	108.9	108.9	108.5	107.7	106.2	104.5	103.0	101.8	101.4
7.5°	121.2	120.0	120.0	119.6	118.9	117.6	115.7	114.1	112.5	110.5	109.8
10°	137.5	136.7	135.4	134.7	132.7	131.6	129.1	127.2	125.9	124.4	122.8
12.5°	156.8	158.0	157.2	154.1	151.7	149.8	146.6	145.4	144.2	142.2	141.1
15°	182.2	183.0	181.1	177.9	173.9	171.5	168.4	165.6	164.8	162.4	160.8
17.5°	211.1	212.7	209.5	204.8	199.7	194.1	191.7	188.9	187.7	185.4	183.8
20°	245.6	247.1	242.8	235.7	228.1	220.2	217.5	214.3	213.9	211.5	210.3
22.5°	286.0	287.1	280.5	270.2	259.4	249.2	244.8	241.6	242.0	240.1	239.7
25°	332.8	333.2	323.7	310.2	293.9	280.1	274.2	272.5	274.2	272.9	272.1
27.5°	385.4	385.0	376.3	355.3	330.7	311.7	304.6	305.0	308.6	309.3	309.3
30°	443.7	445.2	430.6	403.2	371.1	345.0	337.5	339.1	349.3	349.3	349.3
32.5°	511.4	511.0	494.4	454.7	414.7	382.7	372.8	374.3	387.0	392.9	391.0
35°	587.1	586.3	565.7	515.0	462.3	422.7	409.2	416.8	434.1	440.9	439.3
37.5°	668.3	668.3	644.0	581.9	514.1	466.3	451.5	459.9	484.5	495.5	489.6
40°	751.5	751.9	723.3	657.6	573.2	513.7	497.2	511.8	546.3	556.9	553.0
42.5°	834.6	832.3	805.7	732.4	636.6	567.2	547.1	571.6	613.6	628.6	623.1
45°	918.6	917.0	892.8	811.2	705.8	625.0	604.1	635.8	690.4	714.6	709.0
47.5°	999.8	999.8	977.2	890.5	781.1	690.8	671.8	711.1	780.3	806.9	808.0
50°	1076.2	1077.5	1058.0	977.2	857.9	763.3	746.7	797.8	888.1	917.0	919.0
52.5°	1147.5	1150.7	1138.0	1067.6	944.0	844.1	832.3	890.1	995.8	1038.2	1043.4
55°	1211.0	1212.1	1210.6	1151.5	1032.3	928.9	925.0	994.2	1124.2	1169.7	1169.7
57.5°	1255.3	1262.4	1277.1	1229.2	1124.2	1021.6	1020.8	1102.4	1241.9	1296.1	1292.9
60°	1275.5	1283.4	1320.6	1298.4	1209.3	1114.7	1123.0	1215.3	1367.0	1410.5	1407.8
62.5°	1262.8	1273.2	1333.7	1344.8	1277.1	1201.5	1217.3	1316.7	1454.9	1506.0	1475.1
65°	1204.2	1219.3	1304.1	1355.1	1321.9	1267.5	1297.7	1396.3	1515.2	1545.3	1498.5
66°	1172.1	1188.8	1284.6	1349.2	1330.6	1287.0	1322.7	1417.3	1526.7	1548.0	1493.7
67.5°	1118.6	1132.1	1241.9	1327.8	1334.5	1313.2	1352.3	1437.9	1523.5	1537.7	1468.0
70°	993.9	1010.5	1131.7	1261.2	1314.3	1329.7	1372.9	1435.5	1484.6	1464.9	1372.2
72.5°	842.1	868.3	988.7	1146.7	1250.6	1304.4	1351.5	1383.6	1381.7	1327.8	1217.3
75°	670.6	686.9	814.4	985.5	1130.9	1231.1	1278.3	1272.8	1223.2	1142.4	1018.4
77.5°	500.7	516.9	630.2	798.9	965.4	1092.1	1134.9	1110.7	1018.9	929.2	809.3
80°	352.5	366.8	461.5	619.1	780.0	910.6	946.3	911.9	799.3	710.6	608.5
82.5°	240.4	246.7	326.0	462.7	608.0	719.3	753.8	709.4	602.1	517.7	438.1
85°	147.7	156.8	221.5	329.6	447.2	532.8	559.8	524.9	432.6	365.2	301.9
87.5°	86.3	91.5	137.1	222.2	321.6	391.8	405.6	373.2	296.7	247.1	200.4
90°	46.3	50.3	78.9	138.6	218.3	271.0	281.2	251.1	194.1	157.6	128.4
92.5°	27.3	29.7	47.2	83.6	139.8	178.3	185.4	161.2	122.0	101.0	84.0
95°	17.8	19.4	30.9	52.3	85.9	112.9	116.4	99.8	77.2	66.6	58.2
97.5°	13.1	13.9	22.2	35.7	54.3	69.4	72.1	61.8	51.1	45.9	41.6
100°	10.3	11.0	17.1	26.2	36.4	44.8	45.5	40.4	35.3	32.5	30.9
102.5°	8.7	9.1	13.9	20.6	27.3	31.7	32.1	28.5	25.0	23.3	23.0
105°	7.6	7.9	11.9	17.1	21.8	24.6	24.6	21.4	18.2	17.1	17.4
107.5°	6.3	6.8	9.9	14.2	18.2	20.2	19.8	16.7	13.5	12.3	12.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	5.5	5.9	8.7	12.3	15.9	17.1	16.3	13.1	9.5	8.7	9.1
112.5°	5.1	5.1	7.6	10.7	13.5	14.2	13.1	9.9	6.8	6.3	6.8
115°	4.4	4.7	6.3	9.1	11.0	11.9	10.7	7.6	4.7	4.7	5.1
117.5°	4.0	4.4	5.5	7.6	9.5	9.9	8.7	5.9	3.6	3.6	4.0
120°	3.6	3.6	4.7	6.3	7.9	7.9	6.8	4.4	2.8	2.8	3.2
122.5°	3.2	3.6	4.0	5.1	6.3	6.3	5.1	3.2	2.4	2.4	2.8
125°	2.8	3.2	3.6	4.4	5.1	5.1	4.0	2.4	1.9	2.4	2.4
127.5°	2.8	2.8	3.2	3.6	4.4	4.0	3.2	1.5	1.9	1.9	2.4
130°	2.4	2.4	2.8	2.8	3.2	3.2	2.4	1.5	1.5	1.9	1.9
132.5°	1.9	1.9	2.4	2.4	2.8	2.4	1.5	1.2	1.5	1.5	1.9
135°	1.5	1.5	1.5	1.9	1.9	1.5	1.2	1.2	1.5	1.5	1.5
137.5°	1.5	1.2	1.5	1.5	1.2	0.8	0.8	0.8	1.2	1.5	1.5
140°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.8	1.2	1.2	1.5
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	1.2	1.2
145°	0.0	0.0	0.4	0.4	0.0	0.0	0.4	0.4	0.8	0.8	1.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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°	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2.5°	95.4	95.0	93.9	93.1	92.3	91.5	91.5	91.5	91.1	90.7	90.7
5°	100.7	99.8	98.2	96.7	94.6	93.1	92.3	91.9	91.1	90.3	90.3
7.5°	108.9	107.7	105.0	101.8	99.8	97.5	96.7	95.9	94.6	93.9	93.5
10°	121.6	119.6	115.3	111.3	107.3	104.1	103.0	102.2	101.4	101.4	101.4
12.5°	138.6	136.3	130.7	123.6	118.9	114.1	112.5	112.1	112.5	112.9	112.9
15°	158.5	154.5	147.3	137.9	131.1	125.9	124.4	124.4	125.2	125.6	125.6
17.5°	181.5	176.7	164.8	153.6	144.5	139.0	136.7	136.7	138.2	139.0	139.4
20°	205.6	200.4	187.0	169.1	157.6	151.3	148.5	148.9	150.9	152.9	153.3
22.5°	233.3	227.4	207.1	185.4	170.3	162.0	158.9	160.0	163.2	165.9	166.7
25°	265.0	257.5	231.0	202.9	181.8	170.7	168.4	170.7	175.4	179.0	179.4
27.5°	299.4	290.0	255.1	218.7	190.6	176.3	174.7	179.4	184.9	189.3	190.2
30°	337.9	326.0	280.5	232.5	197.2	180.7	179.0	185.4	192.1	197.2	198.0
32.5°	380.6	364.5	305.0	244.4	201.2	182.2	181.5	188.9	197.2	202.4	203.2
35°	427.0	405.6	331.1	253.9	202.9	181.8	181.5	190.2	198.9	204.0	204.4
37.5°	478.5	452.3	356.1	261.1	202.4	180.2	180.2	189.3	197.6	202.4	202.4
40°	538.0	503.1	383.4	265.8	200.4	177.5	177.9	186.2	194.1	197.2	197.6
42.5°	605.7	561.7	408.4	267.8	196.5	174.3	174.3	182.6	188.9	190.6	190.6
45°	683.3	627.1	435.8	267.4	192.5	170.7	171.1	178.3	183.0	183.4	183.0
47.5°	776.4	702.7	461.5	265.8	187.0	167.2	168.4	174.7	178.3	177.9	177.5
50°	878.6	784.3	486.8	262.2	182.2	164.8	166.3	172.3	175.4	174.3	173.5
52.5°	989.1	869.5	509.4	256.7	177.1	162.9	165.6	171.5	174.3	172.3	172.3
55°	1103.6	953.8	527.2	248.4	172.7	161.6	165.9	171.5	174.7	172.7	172.7
57.5°	1207.4	1026.3	535.5	238.9	169.1	161.2	166.7	173.5	176.3	174.7	174.7
60°	1288.9	1077.1	530.0	227.8	165.6	160.8	168.4	175.8	179.0	177.1	177.1
62.5°	1337.7	1099.6	510.2	215.8	162.9	161.2	170.7	179.4	181.8	179.4	178.6
65°	1335.7	1076.2	476.9	203.2	160.0	161.2	172.3	181.5	183.4	180.7	179.4
66°	1318.3	1056.1	459.9	198.5	159.3	160.8	172.7	181.5	183.8	180.7	179.4
67.5°	1285.4	1014.5	431.8	190.9	157.2	160.4	173.1	181.8	183.4	180.7	179.0
70°	1181.6	922.2	379.1	178.3	153.6	158.5	172.0	180.7	181.8	179.4	177.9
72.5°	1026.3	791.0	325.6	165.6	148.9	154.1	168.8	176.7	178.6	176.3	174.7
75°	843.3	641.7	272.1	153.3	141.8	147.7	162.4	170.3	172.7	170.7	168.8
77.5°	655.6	491.2	221.1	141.4	133.5	139.8	153.6	160.8	163.2	160.8	159.7
80°	486.4	363.2	177.5	128.7	124.0	129.9	143.0	149.4	151.7	148.9	148.1
82.5°	348.9	263.4	141.4	114.9	112.5	118.0	129.9	135.4	137.5	135.8	133.1
85°	233.3	181.5	111.7	99.8	100.2	105.4	115.3	118.9	121.2	119.6	117.2
87.5°	158.0	124.4	88.4	84.8	85.9	89.5	98.6	101.4	103.0	101.0	100.7
90°	103.0	85.9	70.1	71.7	73.2	76.0	81.6	82.8	84.8	82.8	82.3
92.5°	70.1	63.0	57.1	59.8	61.8	63.7	66.9	67.7	69.4	67.7	66.9
95°	51.5	48.7	46.3	49.9	51.9	53.1	55.0	54.6	55.9	54.3	53.5
97.5°	39.2	37.6	38.1	41.2	43.2	44.0	44.8	44.0	44.4	42.8	41.9
100°	30.5	29.7	30.9	34.1	35.7	35.7	36.0	35.3	34.5	32.8	31.7
102.5°	23.3	23.3	25.0	28.1	29.4	29.4	28.9	27.7	26.5	25.0	25.0
105°	17.8	18.2	20.6	23.3	24.1	23.7	23.7	22.2	20.6	18.6	18.6
107.5°	13.5	13.9	16.3	19.0	19.8	19.8	19.0	17.4	15.4	13.9	13.9



REPORT NUMBER: P255175

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.9	10.7	13.1	15.4	16.3	15.9	15.4	13.5	11.5	10.3	9.9
112.5°	7.6	7.9	10.3	12.3	13.1	13.1	12.3	10.3	8.3	7.6	7.6
115°	5.5	6.3	7.9	9.9	10.3	10.3	9.5	7.9	5.9	5.1	5.5
117.5°	4.4	4.7	6.3	7.9	7.9	7.9	7.2	5.5	4.4	4.0	4.0
120°	3.6	4.0	4.7	5.9	5.9	5.9	5.1	4.0	3.2	2.8	3.2
122.5°	2.8	3.2	3.6	4.4	4.4	4.4	4.0	2.8	1.9	1.9	2.4
125°	2.8	2.8	2.8	3.2	3.2	3.2	2.8	1.9	1.5	1.5	1.5
127.5°	2.4	2.4	2.4	2.4	2.4	1.9	1.5	1.2	0.8	1.2	1.2
130°	2.4	2.4	1.9	1.9	1.5	1.2	0.8	0.4	0.4	0.8	0.8
132.5°	1.9	1.9	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.4	0.4
135°	1.9	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	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)