

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: P266045

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)  
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-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2817.8 lumens  
Efficiency: N/A  
Efficacy: 90.9 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: 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

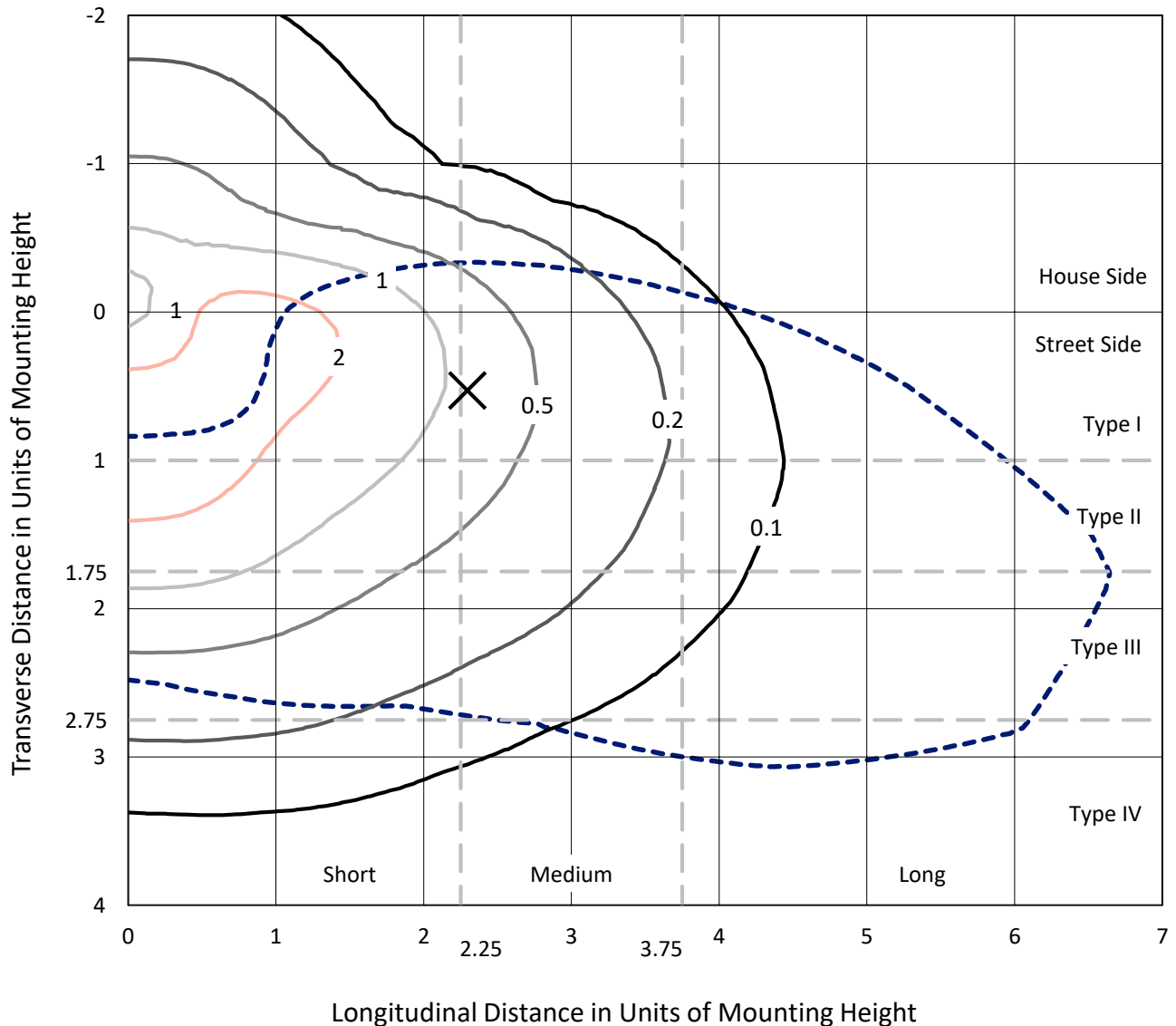


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

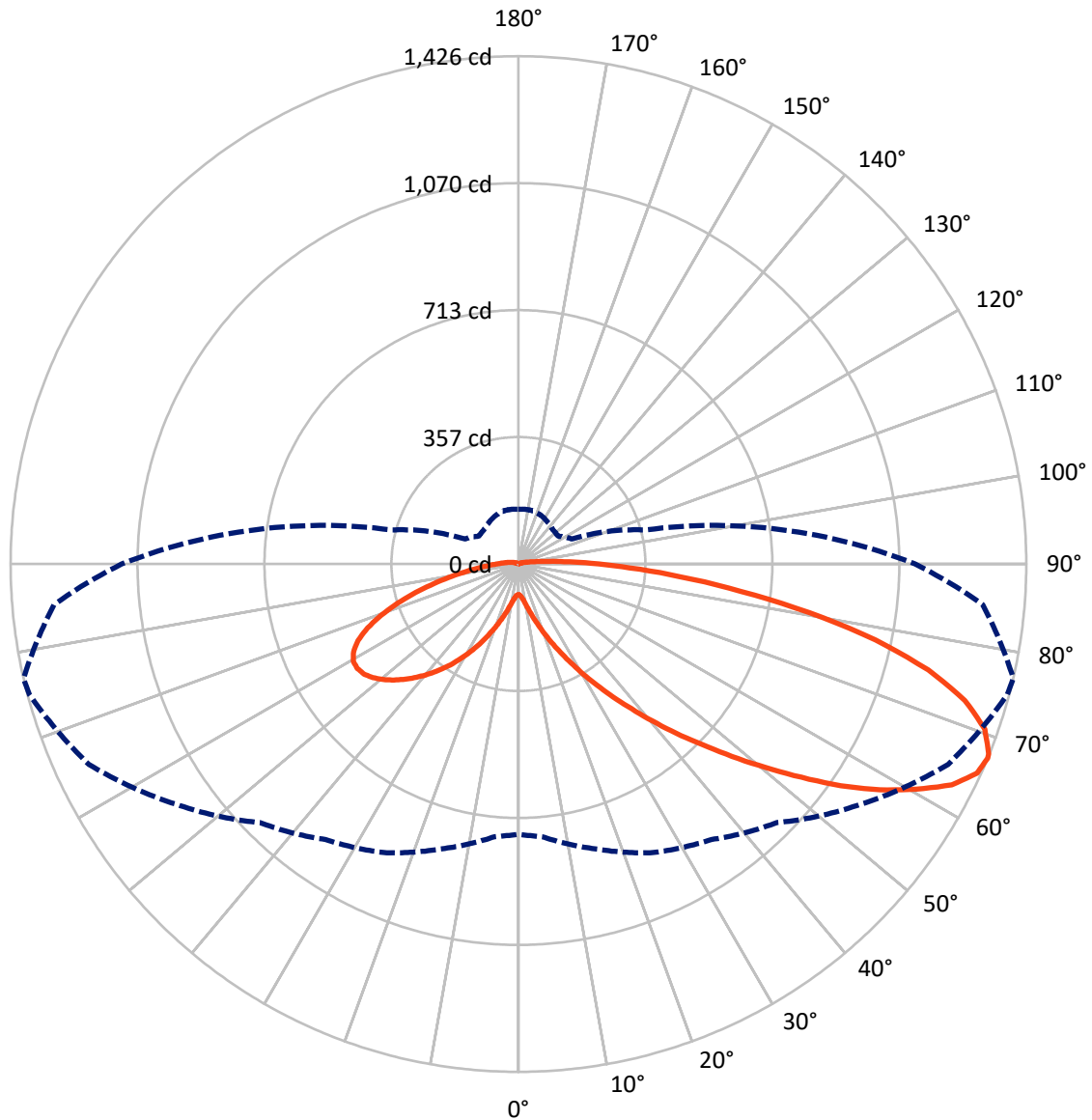


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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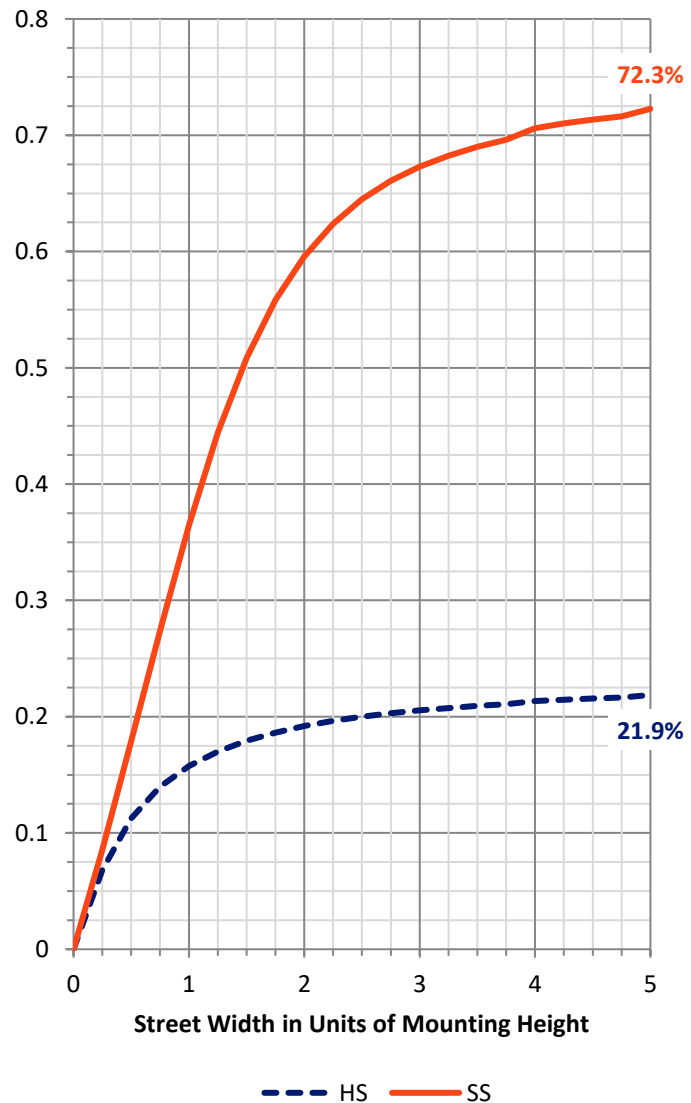
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	643.4	38.8	682.3
	% Fixture	22.8	1.4	24.2
<b>Street Side</b>	Lumens	2089.2	46.3	2135.5
	% Fixture	74.1	1.6	75.8
<b>Total</b>	Lumens	2732.6	85.2	2817.8
	% Fixture	97.0	3.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.3
10°-20°	41.7	1.5
20°-30°	109.6	3.9
30°-40°	224.0	8.0
40°-50°	388.3	13.8
50°-60°	576.0	20.4
60°-70°	668.4	23.7
70°-80°	504.9	17.9
80°-90°	210.4	7.5
90°-100°	55.8	2.0
100°-110°	18.1	0.6
110°-120°	7.2	0.3
120°-130°	2.7	0.1
130°-140°	1.0	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2732.6	97.0
0°-180°	2817.8	100.0



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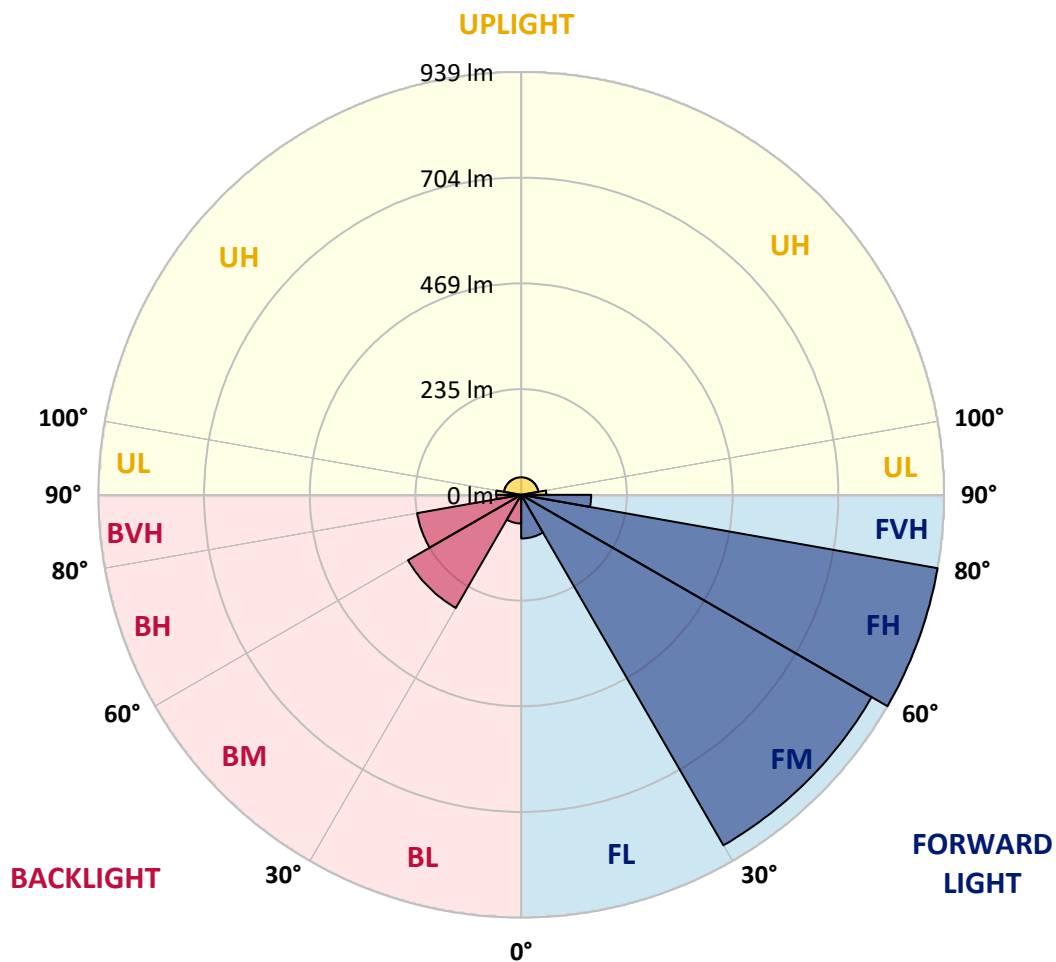
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-TL-7027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.9	3.4			
FM (30°-60°)	898.3	31.9			
FH (60°-80°)	938.7	33.3			G1/1800
FVH (80°-90°)	155.4	5.5			G2/225
BL (0°-30°)	63.7	2.3	B0/110		
BM (30°-60°)	290.1	10.3	B1/1000		
BH (60°-80°)	234.6	8.3	B1/500		G1/500
BVH (80°-90°)	55.0	2.0			G1/100
UL (90°-100°)	55.8	2.0		U3/500	
UH (100°-180°)	38.8	1.4		U2/50	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	90.5	90.5	91.2	90.8	90.8	90.2	89.8	88.8	88.2	88.2	87.9
5°	97.2	97.2	97.6	97.8	97.2	96.8	95.8	94.5	93.6	93.6	92.9
7.5°	107.3	107.3	107.0	107.3	107.0	106.3	104.9	104.3	102.2	102.5	101.6
10°	121.8	121.8	121.1	121.8	120.2	119.5	118.3	117.4	115.1	115.7	114.1
12.5°	142.3	142.3	141.7	140.7	138.2	136.9	136.3	135.6	133.6	133.8	132.0
15°	166.8	166.5	165.8	164.5	160.7	159.1	157.5	156.5	154.8	155.3	153.4
17.5°	195.8	195.1	192.7	190.7	187.0	184.3	181.9	181.0	178.9	179.3	176.5
20°	229.1	228.3	225.4	222.3	217.0	213.3	210.9	208.5	206.5	208.5	203.6
22.5°	268.5	269.1	262.8	258.1	250.0	245.2	242.3	240.1	238.2	239.8	234.1
25°	313.5	313.1	306.1	300.0	288.6	280.5	276.1	274.8	273.9	275.2	271.1
27.5°	365.3	364.0	356.3	343.4	330.7	318.2	312.5	313.5	313.1	314.1	310.2
30°	422.8	422.2	411.5	393.3	376.4	359.6	354.2	353.9	356.8	359.0	350.9
32.5°	486.4	487.2	472.6	449.2	424.2	405.7	400.6	401.4	405.3	405.0	398.9
35°	556.7	556.7	541.6	511.9	479.1	455.1	449.4	455.8	458.1	458.9	449.7
37.5°	631.8	630.7	616.5	578.2	540.6	509.2	499.2	507.3	516.3	515.4	505.9
40°	712.1	709.4	690.9	648.2	602.5	564.9	553.4	565.8	578.9	579.5	568.2
42.5°	788.8	786.5	767.3	721.6	666.7	628.0	615.2	629.1	647.9	649.6	629.1
45°	860.8	860.4	843.0	795.9	736.0	691.2	678.5	696.6	722.9	722.9	701.3
47.5°	928.8	924.7	913.2	866.1	809.7	756.9	744.4	769.7	806.0	806.9	781.7
50°	980.9	978.3	972.4	929.7	872.3	824.5	813.1	850.8	893.2	896.8	865.8
52.5°	1016.9	1014.1	1018.6	985.4	933.5	891.1	887.0	933.8	988.9	995.1	958.0
55°	1031.1	1032.1	1046.2	1024.2	983.3	949.6	964.2	1021.9	1087.2	1098.9	1050.6
57.5°	1024.0	1027.0	1051.8	1047.2	1018.6	996.7	1034.8	1107.4	1185.8	1196.9	1141.3
60°	987.0	993.3	1030.0	1042.5	1031.8	1038.8	1097.3	1193.8	1279.2	1284.3	1228.5
62.5°	926.7	933.8	981.8	1014.1	1021.3	1053.9	1143.1	1266.5	1357.0	1365.8	1284.3
65°	841.4	851.5	905.0	961.0	989.4	1049.2	1172.9	1313.6	1406.4	1415.5	1312.7
67°	758.6	768.6	827.9	894.2	944.6	1027.0	1175.3	1331.1	1420.8	1426.2	1308.9
67.5°	736.0	746.4	805.7	874.9	930.5	1018.3	1173.4	1332.7	1420.8	1424.3	1303.8
70°	613.0	626.7	686.9	766.7	839.9	957.8	1143.7	1311.5	1395.6	1389.3	1242.3
72.5°	484.7	497.5	556.4	640.9	724.9	866.1	1077.1	1249.1	1319.0	1311.3	1141.0
75°	362.2	373.1	429.6	511.7	600.7	746.1	972.9	1147.5	1196.9	1188.7	1001.2
77.5°	259.3	268.1	316.9	392.2	474.7	615.2	832.5	1003.4	1034.4	1025.0	831.2
80°	178.3	188.7	223.7	291.1	361.6	481.4	671.5	817.4	838.9	829.1	649.6
82.5°	117.8	123.4	154.4	208.9	267.8	365.0	513.3	634.2	652.6	629.1	481.8
85°	76.6	78.1	101.6	143.5	193.0	265.1	376.4	466.0	474.3	456.8	342.8
87.5°	47.2	49.0	65.5	94.2	133.2	186.7	266.1	325.6	327.0	312.8	231.5
90°	30.3	31.6	42.0	61.3	90.5	127.2	179.3	216.3	215.4	204.2	147.7
92.5°	20.8	21.5	29.3	42.0	58.8	83.7	115.1	136.6	134.6	128.2	93.2
95°	15.1	15.8	21.5	30.6	41.1	55.2	71.7	82.7	80.4	76.4	58.5
97.5°	11.0	11.8	16.4	23.1	30.6	38.0	46.2	49.4	48.8	46.7	39.0
100°	8.4	9.2	12.8	18.1	23.9	28.2	32.2	32.6	31.6	30.9	28.2
102.5°	7.0	7.4	10.4	15.1	19.6	22.5	24.3	23.9	22.5	22.2	20.8
105°	6.1	6.4	9.2	12.8	16.2	18.9	19.6	18.5	16.8	16.4	15.8
107.5°	5.4	5.4	7.7	11.0	14.2	15.8	16.2	14.5	12.4	12.0	11.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	4.8	4.8	6.7	9.4	12.0	13.5	13.5	11.5	8.8	8.4	8.8
112.5°	4.0	4.4	5.7	8.1	10.4	11.5	11.0	9.2	6.4	6.1	6.4
115°	3.8	3.8	5.0	7.0	8.8	9.7	9.2	6.7	4.8	4.4	4.8
117.5°	3.4	3.4	4.4	6.1	7.4	8.1	7.4	5.4	3.4	3.4	3.8
120°	3.1	3.1	3.8	5.0	6.4	6.7	5.7	4.0	2.6	2.6	3.1
122.5°	2.6	2.6	3.4	4.4	5.4	5.4	4.8	3.1	2.1	2.1	2.3
125°	2.3	2.6	3.1	3.8	4.4	4.4	3.8	2.3	1.6	2.1	2.3
127.5°	2.3	2.3	2.6	3.1	3.8	3.8	3.1	1.6	1.6	1.6	2.1
130°	2.1	2.1	2.3	2.6	3.1	3.1	2.3	1.3	1.6	1.6	2.1
132.5°	2.1	2.1	2.1	2.3	2.3	2.3	1.6	1.3	1.3	1.6	1.6
135°	1.6	1.6	1.6	2.1	2.1	1.6	1.0	1.0	1.3	1.3	1.6
137.5°	1.3	1.3	1.6	1.3	1.3	1.3	1.0	1.0	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.0	1.0	0.7	0.7	1.0	1.0	1.3	1.3
142.5°	0.7	1.0	1.0	0.7	0.7	0.3	0.7	0.7	1.0	1.0	1.0
145°	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.7	0.7	1.0	1.0
147.5°	0.0	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.7	0.7	0.7
150°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	87.5	87.1	86.1	85.5	85.1	84.8	84.4	84.1	84.1	84.1	84.1
5°	92.2	91.8	90.2	88.8	87.9	86.7	86.1	85.5	85.1	84.8	84.4
7.5°	100.6	99.5	97.6	95.2	92.9	90.8	89.6	88.8	87.9	87.5	87.1
10°	113.0	112.0	108.3	104.3	100.6	97.6	95.2	93.9	93.2	92.5	92.5
12.5°	130.2	129.5	123.1	118.0	111.0	106.3	103.7	102.5	102.2	101.6	101.9
15°	150.6	149.4	140.9	133.2	123.7	118.0	114.1	112.4	111.7	110.8	111.0
17.5°	174.2	169.9	160.1	148.3	136.9	129.8	124.4	121.5	120.5	119.7	120.2
20°	200.1	195.8	181.0	164.2	150.3	141.3	133.8	130.2	128.8	128.8	128.8
22.5°	230.1	224.3	203.8	181.3	163.1	150.3	141.9	138.2	136.9	136.9	137.3
25°	264.5	254.9	228.8	199.5	175.3	158.1	149.4	145.3	144.3	144.3	144.6
27.5°	301.7	289.0	254.3	216.0	184.1	163.5	154.1	150.6	150.0	150.0	150.3
30°	342.4	325.6	280.5	230.8	190.7	166.8	156.8	154.1	153.7	154.1	154.1
32.5°	385.6	366.2	306.4	243.3	195.1	168.5	158.5	156.8	156.5	157.2	156.5
35°	432.3	406.8	332.4	253.3	197.7	168.9	159.1	158.1	158.1	157.7	157.5
37.5°	482.7	448.8	356.3	260.7	197.7	168.3	158.8	158.5	158.5	157.7	157.2
40°	540.6	494.4	378.5	265.1	195.8	166.1	158.1	158.1	157.7	156.5	155.8
42.5°	596.7	541.9	399.7	265.8	192.3	163.5	157.2	157.7	157.2	154.4	153.7
45°	659.4	593.4	418.5	264.7	187.7	160.7	156.0	157.5	156.0	152.7	152.1
47.5°	731.9	648.8	435.0	260.7	181.6	157.7	154.8	156.5	155.8	151.8	151.1
50°	806.7	704.5	448.1	254.9	175.6	155.0	153.7	156.0	155.3	151.1	150.3
52.5°	884.7	761.9	457.4	245.9	169.2	152.4	152.7	155.8	155.8	151.4	150.6
55°	962.1	814.0	461.9	234.5	162.5	150.0	151.8	155.8	156.8	152.4	151.8
57.5°	1033.4	856.2	459.6	221.3	156.0	147.3	151.1	155.3	157.5	153.4	152.7
60°	1092.9	893.2	449.4	207.1	150.6	144.9	150.0	155.3	157.7	154.8	154.1
62.5°	1129.3	906.2	428.9	192.1	145.3	142.3	148.3	154.8	157.5	155.0	154.4
65°	1136.4	896.1	399.7	177.7	140.2	139.2	145.6	152.7	156.5	155.0	154.1
67°	1114.1	866.1	369.1	166.1	136.0	136.3	143.3	150.6	155.0	154.8	153.4
67.5°	1104.3	855.0	361.3	163.1	135.3	135.3	142.7	150.0	154.8	154.4	153.4
70°	1039.1	788.5	316.9	148.9	129.8	130.9	138.2	146.7	151.8	152.1	151.4
72.5°	935.1	695.3	272.1	135.6	123.7	125.1	132.5	140.9	146.7	147.3	146.3
75°	798.2	585.6	227.7	123.4	117.0	118.0	125.5	133.6	139.5	140.7	139.5
77.5°	660.0	468.6	185.9	112.0	109.0	110.8	117.0	124.4	130.2	130.9	130.2
80°	504.8	355.5	148.3	101.2	100.3	101.9	107.3	113.6	118.8	119.5	118.8
82.5°	370.7	260.7	117.4	90.5	90.2	91.8	96.2	102.2	106.3	106.5	105.6
85°	264.5	184.1	93.6	78.7	79.4	80.0	84.1	88.8	92.2	92.5	90.5
87.5°	177.2	125.5	73.0	67.6	68.4	68.4	70.6	74.6	77.1	76.6	75.0
90°	115.7	85.5	58.8	57.5	57.9	57.9	58.8	61.5	63.6	62.5	61.5
92.5°	74.6	59.8	48.5	49.0	49.0	48.5	48.8	50.8	51.8	50.8	50.1
95°	50.8	44.0	40.3	41.4	41.7	40.3	40.3	41.4	42.0	40.8	39.6
97.5°	36.7	34.0	33.2	34.9	34.7	33.6	33.0	33.2	33.6	32.0	31.4
100°	27.6	26.9	27.3	29.3	28.9	27.8	27.3	26.9	26.6	25.0	24.6
102.5°	21.5	21.2	22.5	24.3	23.9	22.8	22.2	21.9	21.2	19.1	19.1
105°	16.4	16.8	18.5	20.2	19.9	19.1	18.5	17.8	16.4	14.8	14.8
107.5°	12.4	13.1	15.1	16.8	16.4	15.8	15.1	14.5	12.8	11.5	11.5



REPORT NUMBER: P266045

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.4	10.2	12.0	13.8	13.5	13.1	12.4	11.5	9.7	8.8	8.4
112.5°	7.0	7.7	9.7	11.0	11.0	10.8	10.2	9.2	7.4	6.7	6.4
115°	5.4	6.1	7.7	8.8	8.8	8.4	8.1	7.0	5.4	5.0	5.0
117.5°	4.4	4.8	6.1	7.0	7.0	6.7	6.4	5.4	4.0	4.0	4.0
120°	3.4	3.8	4.8	5.4	5.4	5.0	4.8	4.0	3.1	3.1	3.1
122.5°	3.1	3.1	3.8	4.4	4.0	4.0	3.8	3.1	2.3	2.3	2.3
125°	2.3	2.6	3.1	3.4	3.1	3.1	2.6	2.3	2.1	2.1	2.1
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.1	1.6	1.3	1.6	1.6
130°	2.1	2.1	2.1	2.1	1.6	1.6	1.3	1.0	1.0	1.3	1.3
132.5°	2.1	2.1	2.1	1.6	1.3	1.0	1.0	0.7	1.0	1.0	1.0
135°	1.6	1.6	1.6	1.3	1.0	0.7	0.3	0.3	0.7	0.7	0.7
137.5°	1.6	1.6	1.3	1.3	1.0	0.3	0.0	0.3	0.3	0.3	0.3
140°	1.3	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.3	0.3	0.0
142.5°	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.0	0.3	0.0	0.0
145°	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	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)