

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: P414744

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-750-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3595 lumens  
Efficiency: N/A  
Efficacy: 116.0 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 - G3

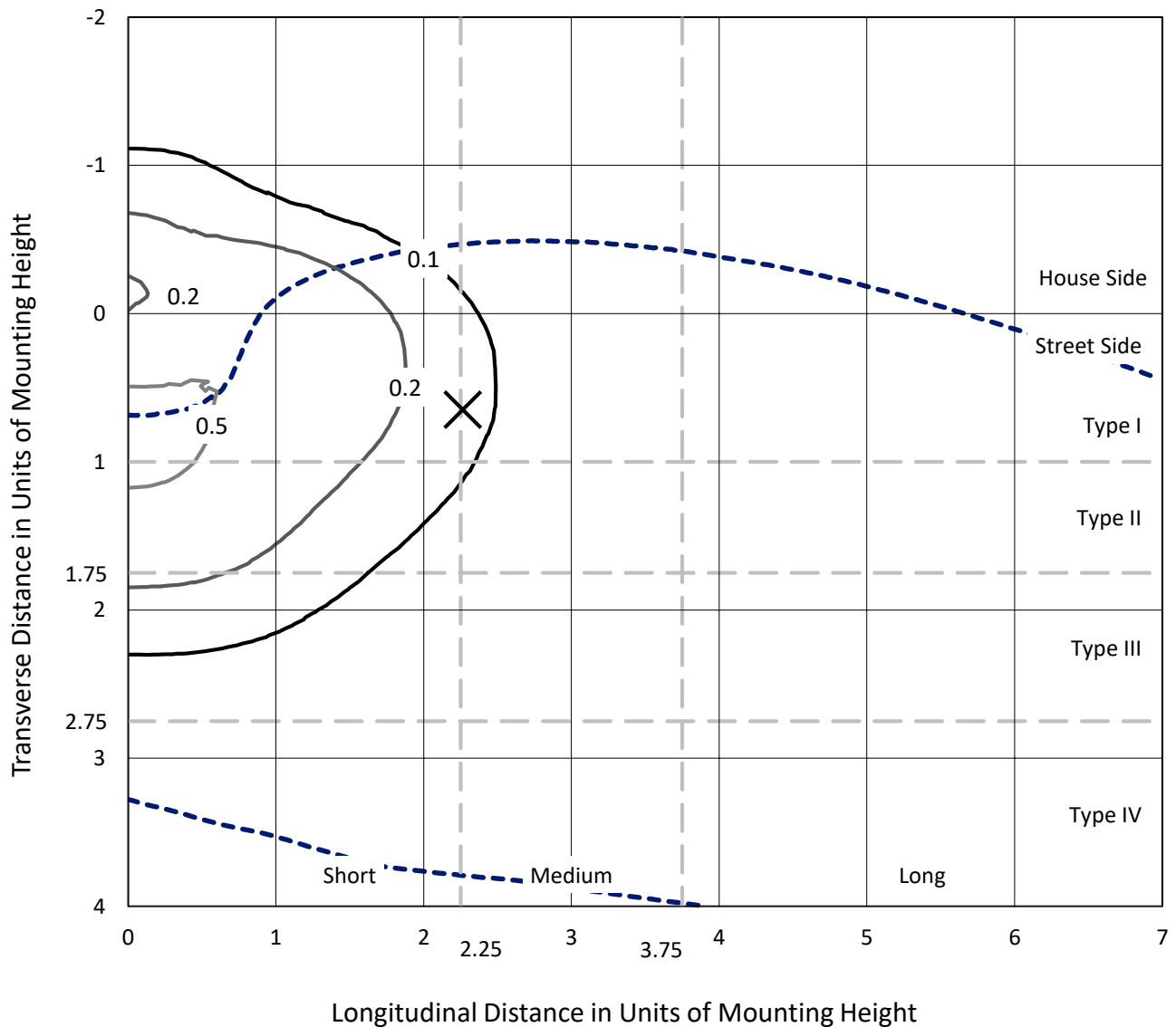
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

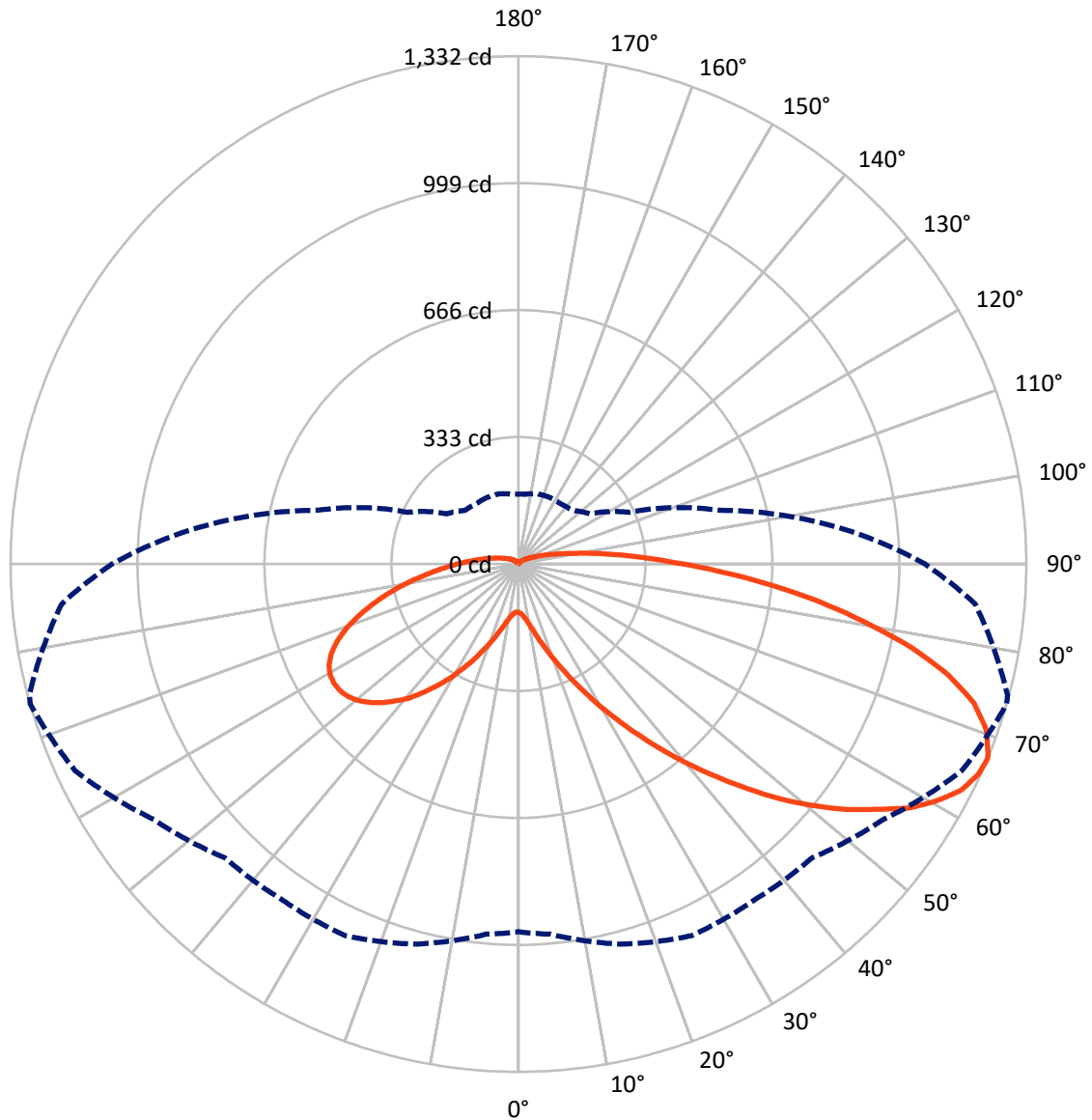
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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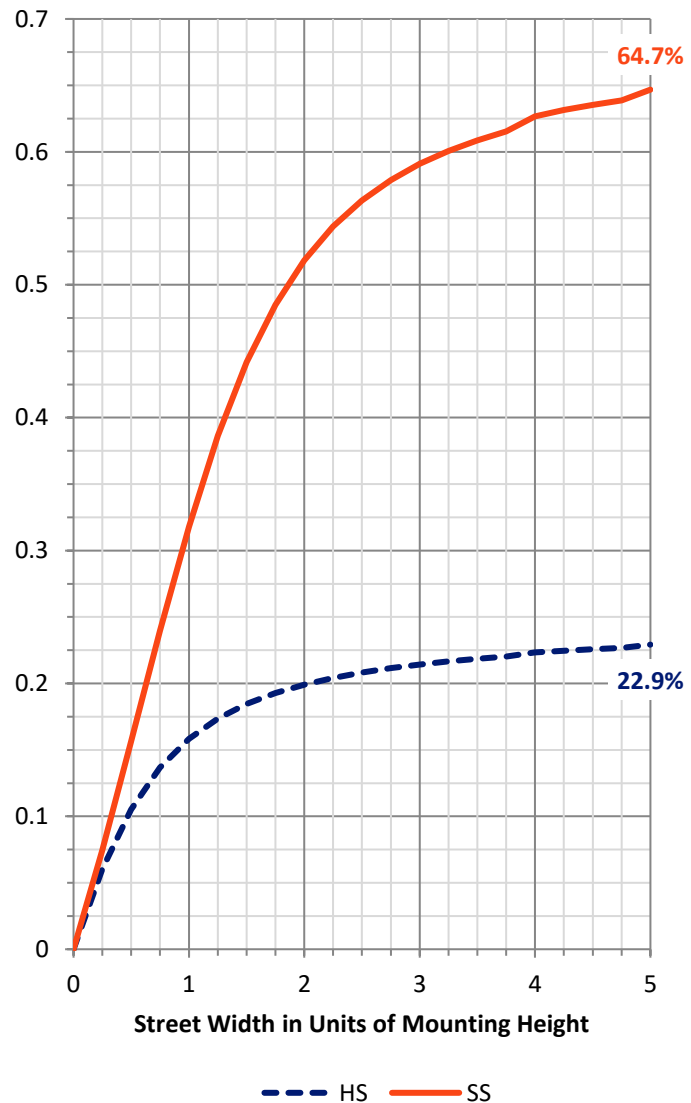
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	866.6	107.2	973.8
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	2434.6	186.6	2621.2
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	3301.2	293.7	3595.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	0.4
10°-20°	55.2	1.5
20°-30°	139.6	3.9
30°-40°	280.2	7.8
40°-50°	470.4	13.1
50°-60°	659.9	18.4
60°-70°	737.5	20.5
70°-80°	601.7	16.7
80°-90°	343.5	9.6
90°-100°	157.0	4.4
100°-110°	71.8	2.0
110°-120°	35.4	1.0
120°-130°	18.0	0.5
130°-140°	8.4	0.2
140°-150°	2.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3301.2	91.8
0°-180°	3595.0	100.0

**Coefficient of Utilization**



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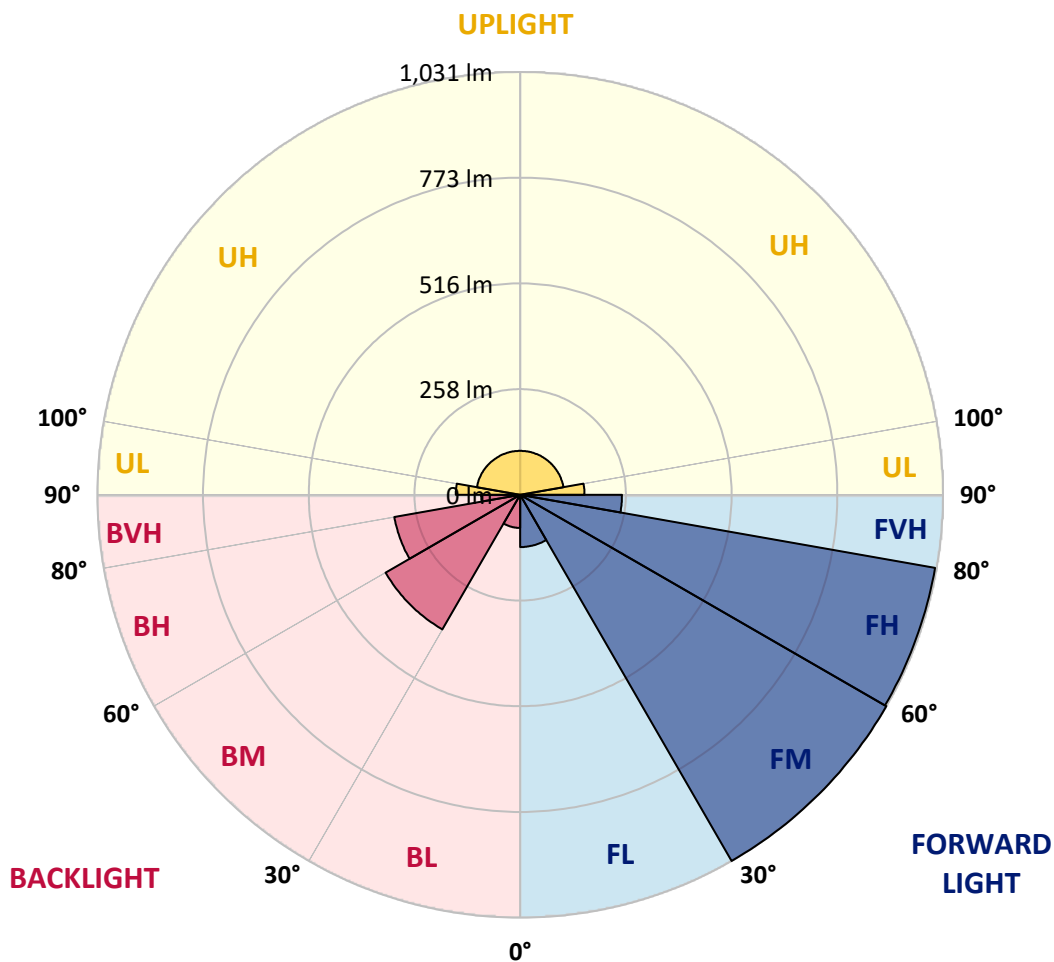
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.4	3.5			
FM	(30°-60°)	1031.3	28.7			
FH	(60°-80°)	1027.6	28.6			G1/1800
FVH	(80°-90°)	248.3	6.9			G3/500
BL	(0°-30°)	80.8	2.2	B0/110		
BM	(30°-60°)	379.1	10.5	B1/1000		
BH	(60°-80°)	311.6	8.7	B1/500		G1/500
BVH	(80°-90°)	95.1	2.6			G1/100
UL	(90°-100°)	157.0	4.4		U3/500	
UH	(100°-180°)	107.2	3.0		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8
2.5°	137.8	137.0	137.0	136.1	135.7	134.0	132.7	131.0	130.2	129.8	128.5
5°	150.5	149.2	149.2	148.4	146.7	144.6	141.6	139.9	137.0	137.4	133.6
7.5°	165.7	165.3	164.4	162.7	160.6	158.1	155.1	151.3	148.0	148.0	143.3
10°	186.0	183.5	183.5	181.3	179.2	175.4	171.2	167.0	162.3	161.9	155.6
12.5°	210.5	210.1	207.6	204.6	201.2	197.4	190.6	186.4	181.8	181.3	174.6
15°	239.3	238.0	234.6	233.3	228.3	221.5	216.0	211.8	207.1	205.4	196.6
17.5°	273.1	271.4	270.1	263.8	259.6	254.1	247.7	242.2	234.2	233.3	223.6
20°	312.8	309.0	305.2	300.1	293.4	288.3	281.5	276.5	267.2	267.2	254.1
22.5°	354.7	353.8	350.4	342.0	332.7	327.6	321.3	311.1	303.5	301.4	287.0
25°	405.4	404.5	397.8	388.9	379.2	371.6	361.4	350.4	344.1	343.7	327.6
27.5°	462.9	464.1	452.3	440.9	427.8	415.5	404.5	399.0	390.6	389.3	370.7
30°	532.2	526.7	514.5	498.0	479.8	464.1	452.7	447.2	441.7	441.3	418.9
32.5°	602.8	596.5	585.9	563.1	537.7	513.6	508.1	503.5	497.1	493.7	471.3
35°	681.0	675.9	660.7	630.7	596.9	570.7	559.3	560.1	557.1	555.5	528.4
37.5°	767.2	758.4	737.7	708.5	658.6	630.3	617.2	624.4	622.7	619.3	591.0
40°	848.4	847.1	825.2	779.9	729.6	689.5	680.6	692.8	690.7	686.5	655.2
42.5°	942.2	932.9	908.4	857.7	796.8	752.4	742.7	760.9	763.4	764.3	722.4
45°	1022.6	1018.3	995.1	936.8	866.6	818.4	810.4	829.8	838.3	839.1	793.0
47.5°	1100.8	1099.1	1075.4	1015.0	934.6	883.5	872.9	900.8	918.6	914.8	860.2
50°	1159.5	1162.5	1143.5	1086.0	1002.3	941.4	943.9	978.2	994.7	992.6	932.1
52.5°	1209.8	1205.6	1197.6	1143.0	1056.0	1000.2	1003.1	1044.1	1068.6	1067.4	1000.2
55°	1228.4	1227.2	1228.0	1183.6	1099.9	1048.4	1057.2	1115.1	1135.4	1132.9	1055.5
57.5°	1224.6	1223.8	1236.9	1207.7	1135.4	1086.4	1106.7	1173.5	1206.9	1203.5	1113.9
60°	1195.9	1192.1	1220.4	1209.8	1149.8	1110.1	1145.6	1224.6	1260.6	1259.7	1161.6
62.5°	1131.2	1137.1	1176.4	1186.2	1145.6	1122.3	1168.8	1264.4	1304.5	1301.6	1195.9
65°	1041.2	1056.0	1103.3	1137.1	1116.8	1111.3	1177.3	1282.1	1326.5	1326.1	1208.1
67°	964.2	974.4	1031.9	1075.0	1076.3	1088.9	1167.6	1282.5	1331.6	1327.8	1202.2
67.5°	937.2	950.7	1009.0	1061.5	1067.0	1082.6	1163.8	1281.7	1328.2	1326.1	1199.3
70°	814.6	830.2	894.1	960.0	993.8	1027.6	1129.1	1258.0	1301.1	1296.5	1165.0
72.5°	690.3	712.3	772.7	850.9	900.4	956.2	1069.1	1198.8	1249.6	1239.8	1098.2
75°	571.1	585.9	644.7	729.2	793.4	869.1	987.1	1118.9	1164.6	1156.6	1013.3
77.5°	455.3	468.8	525.4	610.4	683.1	768.1	891.1	1018.8	1054.3	1049.6	905.5
80°	359.3	369.0	423.6	499.2	574.1	664.9	781.6	895.7	919.0	922.4	786.7
82.5°	276.5	289.1	336.5	403.3	473.9	560.5	662.0	763.0	788.8	780.3	664.9
85°	211.4	221.9	264.2	320.8	391.4	464.6	555.0	637.9	649.3	639.6	539.0
87.5°	165.3	173.3	206.3	261.2	317.5	380.0	452.3	515.7	521.6	519.9	431.6
90°	128.1	135.3	162.7	206.3	257.9	311.5	368.2	412.6	409.6	412.2	340.3
92.5°	100.6	104.4	129.4	167.8	210.9	254.1	297.2	326.8	326.3	319.2	265.5
95°	81.6	83.7	105.3	137.4	172.0	206.3	238.4	257.4	256.6	249.0	207.1
97.5°	65.9	67.2	85.8	112.9	142.0	168.7	191.9	205.4	198.7	195.7	162.3
100°	54.1	55.0	71.0	94.3	118.4	141.2	157.7	163.2	153.9	152.2	127.7
102.5°	46.1	46.5	60.0	79.9	98.9	116.2	128.5	131.0	120.1	120.9	100.6
105°	39.3	39.7	50.3	68.1	84.1	97.2	106.1	104.8	96.0	94.7	80.3
107.5°	34.2	34.7	43.1	58.3	72.3	83.3	87.9	85.0	76.9	75.2	64.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	30.0	30.4	37.2	49.9	62.1	71.4	74.0	69.3	62.1	60.4	53.3
112.5°	27.1	27.1	32.5	43.1	54.1	61.7	62.6	57.9	49.9	49.0	44.4
115°	24.5	24.5	28.7	37.2	46.9	52.8	52.8	47.3	41.0	40.6	37.2
117.5°	22.4	22.4	25.4	32.5	40.6	45.7	44.8	39.7	34.2	33.8	32.1
120°	20.7	20.7	22.8	28.3	35.1	38.9	38.0	33.0	28.7	28.3	27.5
122.5°	19.0	19.4	20.7	24.9	30.4	33.4	32.5	28.3	24.5	24.1	24.1
125°	17.8	17.8	18.6	21.6	26.2	28.7	27.5	23.2	20.7	20.7	20.7
127.5°	16.5	16.5	16.9	19.0	22.4	24.1	22.8	19.4	18.2	17.8	18.2
130°	15.2	15.2	15.6	16.5	19.0	19.9	18.6	16.5	15.2	15.2	15.6
132.5°	13.9	13.9	13.9	14.4	15.6	16.5	15.2	13.5	13.1	13.1	13.5
135°	12.7	13.1	12.7	12.7	13.1	13.1	11.8	11.0	11.0	11.4	11.8
137.5°	11.4	11.4	11.0	10.6	10.6	10.1	9.3	8.9	9.3	9.3	9.7
140°	10.1	10.1	9.7	8.9	8.0	7.6	7.2	6.8	7.6	7.6	8.0
142.5°	8.9	8.9	8.0	7.2	5.9	5.1	4.6	5.1	5.9	5.9	6.3
145°	7.2	7.2	6.8	5.9	4.2	3.4	3.0	3.8	4.2	4.2	4.6
147.5°	5.9	5.5	5.1	4.2	3.0	2.1	1.7	2.5	3.0	3.0	3.4
150°	4.2	4.2	3.8	3.0	1.7	0.8	0.8	1.3	1.7	1.7	2.1
152.5°	3.0	3.0	2.5	1.7	0.8	0.0	0.4	0.8	0.8	0.8	1.3
155°	1.7	1.7	1.7	1.3	0.4	0.0	0.0	0.4	0.4	0.4	0.8
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.8	0.4	0.4	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°	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.8
2.5°	127.7	126.8	126.0	124.7	123.9	123.0	122.2	121.7	121.7	121.3	121.7
5°	132.3	131.0	128.5	126.4	123.9	122.2	120.5	119.6	118.8	118.4	118.4
7.5°	140.8	139.1	134.8	131.0	127.2	124.3	122.2	120.1	119.2	118.8	118.8
10°	153.0	150.5	144.1	138.7	133.2	129.4	125.5	123.4	122.2	121.3	121.3
12.5°	170.4	166.1	158.1	148.8	141.6	136.5	131.9	129.8	129.4	129.4	129.4
15°	193.6	187.7	175.4	164.4	153.9	145.0	141.6	141.6	141.2	140.8	141.2
17.5°	217.7	210.9	195.7	181.8	168.7	159.8	154.3	153.0	152.6	152.2	152.6
20°	246.4	238.0	220.2	201.2	184.7	176.3	168.7	165.3	164.9	165.3	164.4
22.5°	279.0	269.7	243.5	220.7	202.5	190.6	181.8	177.1	178.0	178.0	177.5
25°	318.3	303.9	273.1	242.2	220.2	203.8	193.6	189.0	189.4	190.2	191.1
27.5°	358.0	341.6	302.2	264.6	235.9	216.9	205.0	199.9	199.5	202.1	201.6
30°	404.5	383.4	334.4	287.5	250.3	226.2	213.9	209.7	209.2	211.4	211.8
32.5°	454.4	428.2	367.8	310.3	262.9	234.2	220.2	217.3	216.4	218.5	219.0
35°	509.0	475.6	400.3	330.1	273.5	239.7	225.3	221.9	220.7	222.8	223.6
37.5°	561.8	522.9	433.7	347.9	282.0	243.1	227.4	224.9	223.2	224.5	224.9
40°	617.6	576.2	467.5	364.0	287.0	244.8	228.3	225.7	224.0	224.0	224.0
42.5°	678.9	625.2	495.0	375.4	290.0	244.3	227.4	224.5	222.4	220.7	220.7
45°	741.9	678.0	523.3	384.7	290.4	242.2	225.3	222.8	219.4	216.0	215.6
47.5°	803.2	725.8	548.3	389.8	289.1	239.3	222.4	219.0	216.0	210.9	210.9
50°	862.8	773.6	569.0	392.3	285.3	235.9	219.4	216.0	212.2	205.4	204.6
52.5°	917.3	817.1	584.6	391.4	279.8	231.2	215.6	212.6	208.0	199.9	199.9
55°	971.0	857.3	594.3	385.9	273.1	226.2	212.2	209.2	204.2	195.7	194.9
57.5°	1015.0	886.0	598.2	377.5	265.5	220.7	208.8	205.9	201.2	191.9	191.9
60°	1052.2	910.1	595.6	366.5	257.0	215.6	204.6	202.9	198.7	189.8	189.8
62.5°	1073.7	919.8	585.9	352.6	247.3	210.1	200.8	199.9	196.1	187.7	187.7
65°	1078.4	913.5	566.0	335.2	237.6	203.8	196.6	196.1	193.6	185.6	184.7
67°	1065.7	897.0	544.0	320.4	229.1	198.7	192.8	192.8	190.6	183.5	183.0
67.5°	1061.0	890.7	538.1	316.6	227.4	197.8	191.9	192.3	190.2	183.0	181.8
70°	1020.5	848.0	501.8	295.1	215.6	190.2	186.4	186.8	185.2	179.7	178.4
72.5°	957.5	786.7	459.1	274.3	203.8	182.6	178.8	180.5	178.8	174.6	172.0
75°	872.5	711.9	414.7	250.7	191.9	173.3	170.8	171.6	171.2	167.0	164.9
77.5°	772.3	629.4	367.3	228.7	178.8	164.0	161.5	162.7	161.9	158.1	155.6
80°	663.7	542.4	321.7	206.7	165.3	153.4	150.9	151.3	150.9	147.1	143.7
82.5°	557.1	457.0	275.2	185.2	152.2	142.0	139.1	138.7	137.8	133.6	131.0
85°	459.9	375.4	235.0	164.4	138.7	129.4	126.8	125.1	123.9	119.2	117.5
87.5°	366.5	306.9	198.7	146.7	125.1	117.5	114.1	111.2	109.1	104.8	103.1
90°	292.5	247.3	169.5	128.5	112.9	106.1	101.5	97.6	95.1	90.5	87.9
92.5°	232.1	197.0	142.5	112.9	101.0	95.1	90.9	86.2	82.9	76.9	75.7
95°	183.9	158.5	120.1	98.9	89.6	84.5	80.7	75.7	71.0	65.1	63.8
97.5°	145.4	129.4	101.0	86.7	79.0	74.8	71.0	65.9	60.9	55.0	54.1
100°	116.2	104.0	86.7	75.7	70.6	66.4	62.6	57.9	51.6	45.7	45.7
102.5°	93.4	85.4	72.7	66.4	62.1	58.8	55.4	50.7	44.0	37.6	37.6
105°	75.7	70.6	62.6	57.9	55.0	52.4	49.0	43.5	36.8	31.7	31.7
107.5°	62.1	58.3	53.7	50.3	48.6	46.1	43.1	37.6	31.3	26.6	26.6



REPORT NUMBER: P414744

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	51.6	49.0	45.7	44.4	43.1	41.0	37.6	32.5	26.2	22.8	22.8
112.5°	43.1	41.8	39.3	38.9	38.0	36.4	33.0	27.9	22.0	19.9	19.9
115°	36.8	35.9	34.2	34.2	33.4	32.1	28.7	24.1	19.0	16.9	17.3
117.5°	31.3	30.9	30.0	30.0	29.6	28.3	24.9	20.7	16.1	15.2	15.2
120°	27.5	27.1	26.6	26.2	26.2	24.5	21.6	17.3	13.9	13.5	13.5
122.5°	23.7	23.7	23.2	23.2	22.8	21.1	18.6	14.8	12.3	11.8	11.8
125°	20.7	20.7	20.3	20.3	19.9	18.6	16.1	12.7	10.6	10.6	10.6
127.5°	18.2	18.2	17.8	17.8	17.3	15.6	13.5	10.6	9.3	9.3	9.7
130°	16.1	16.1	15.6	15.2	14.8	13.5	11.0	8.9	8.0	8.5	8.5
132.5°	13.9	13.5	13.5	13.1	12.3	11.0	9.3	7.6	7.2	7.6	7.6
135°	11.8	11.8	11.4	11.0	10.1	9.3	7.6	6.3	6.3	6.8	6.8
137.5°	10.1	10.1	9.7	8.9	8.5	7.2	5.9	5.1	5.5	5.9	5.9
140°	8.0	8.5	8.0	7.2	6.3	5.5	4.6	4.2	4.6	5.1	5.5
142.5°	6.8	6.8	6.3	5.5	4.6	3.8	3.4	3.4	4.2	4.6	4.6
145°	5.1	5.1	4.6	4.2	3.0	2.5	2.1	3.0	3.4	3.8	3.8
147.5°	3.4	3.4	3.4	2.5	1.7	1.3	1.3	2.1	3.0	3.0	3.0
150°	2.1	2.1	2.1	1.7	0.8	0.4	0.8	1.7	2.1	2.5	2.5
152.5°	1.3	1.3	1.3	0.8	0.4	0.0	0.4	1.3	1.7	1.7	1.7
155°	0.8	0.8	0.8	0.4	0.4	0.0	0.4	0.8	1.3	1.3	1.3
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4	0.4
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

(END OF REPORT)