

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: P414742

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3678 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - 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

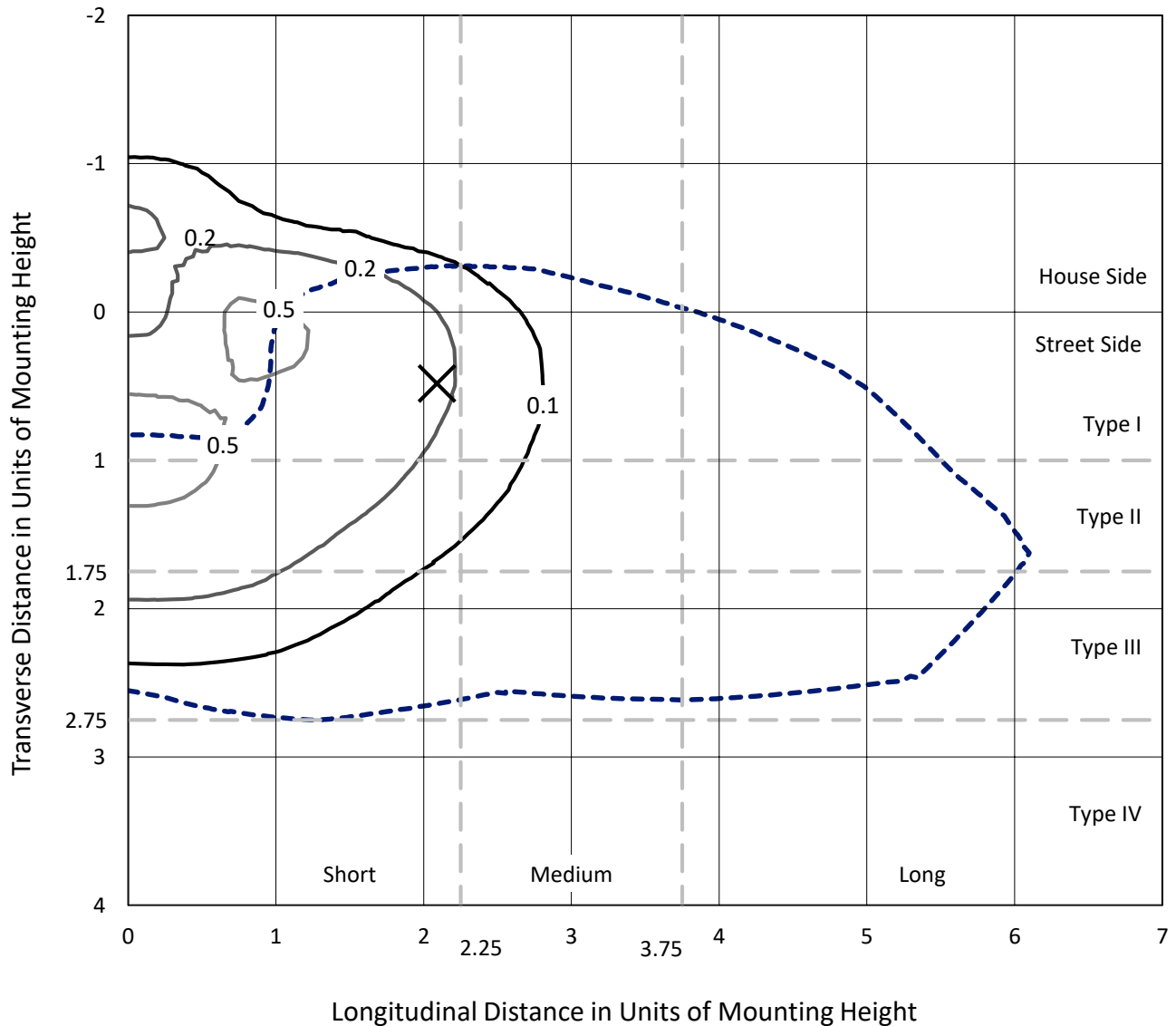


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

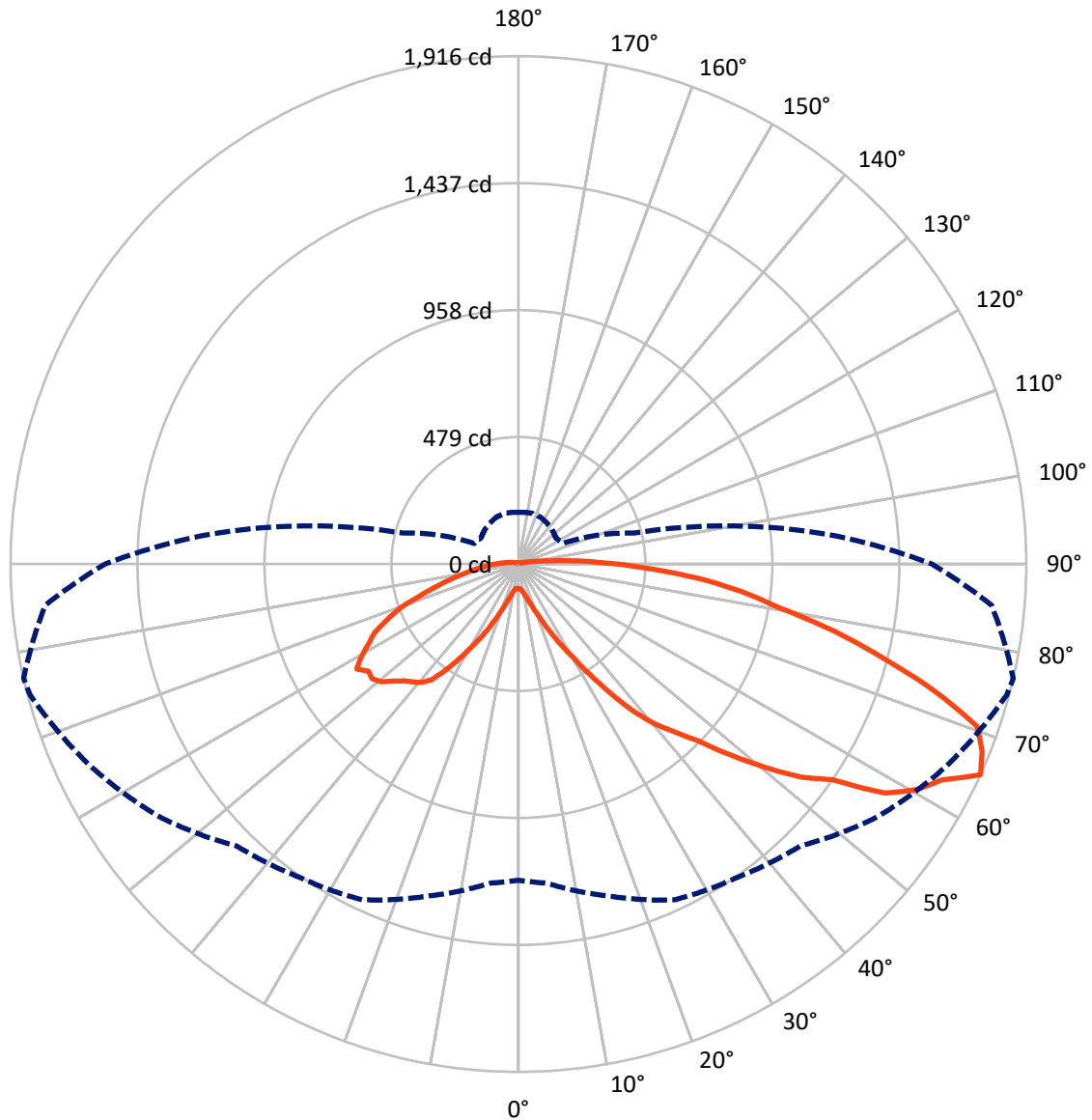


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



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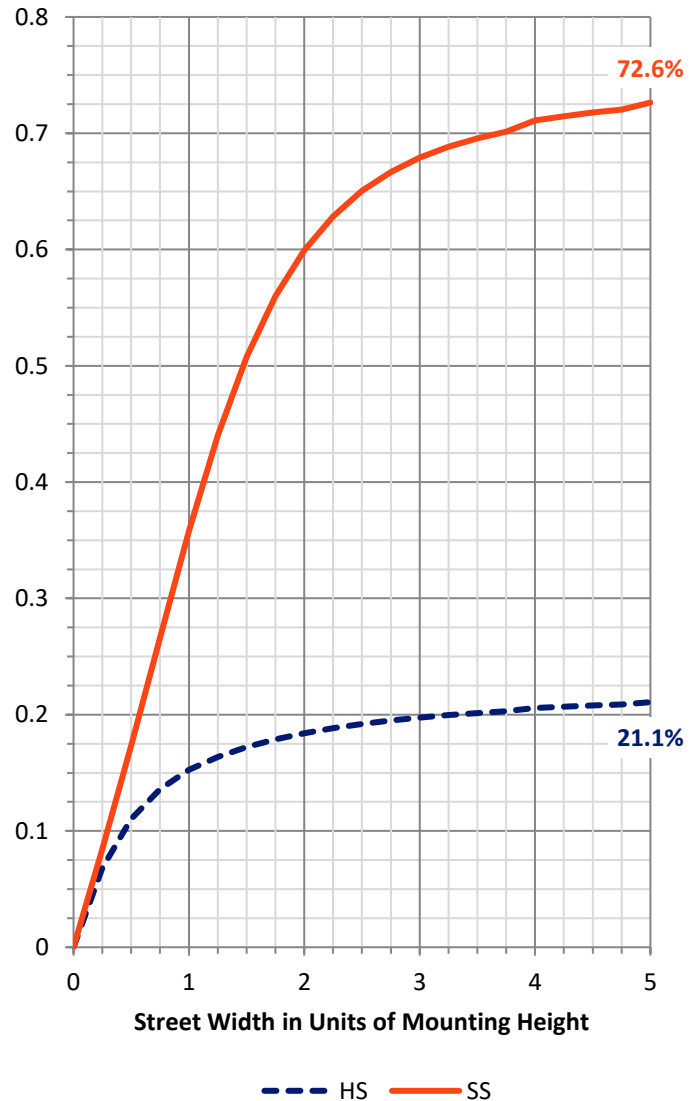
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	810.5	57.6	868.1
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2737.8	72.1	2809.9
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	3548.3	129.7	3678.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	40.3	1.1
20°-30°	118.0	3.2
30°-40°	282.6	7.7
40°-50°	508.9	13.8
50°-60°	774.0	21.0
60°-70°	913.0	24.8
70°-80°	629.2	17.1
80°-90°	272.8	7.4
90°-100°	79.6	2.2
100°-110°	24.9	0.7
110°-120°	11.7	0.3
120°-130°	6.9	0.2
130°-140°	4.2	0.1
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3548.3	96.5
0°-180°	3678.0	100.0



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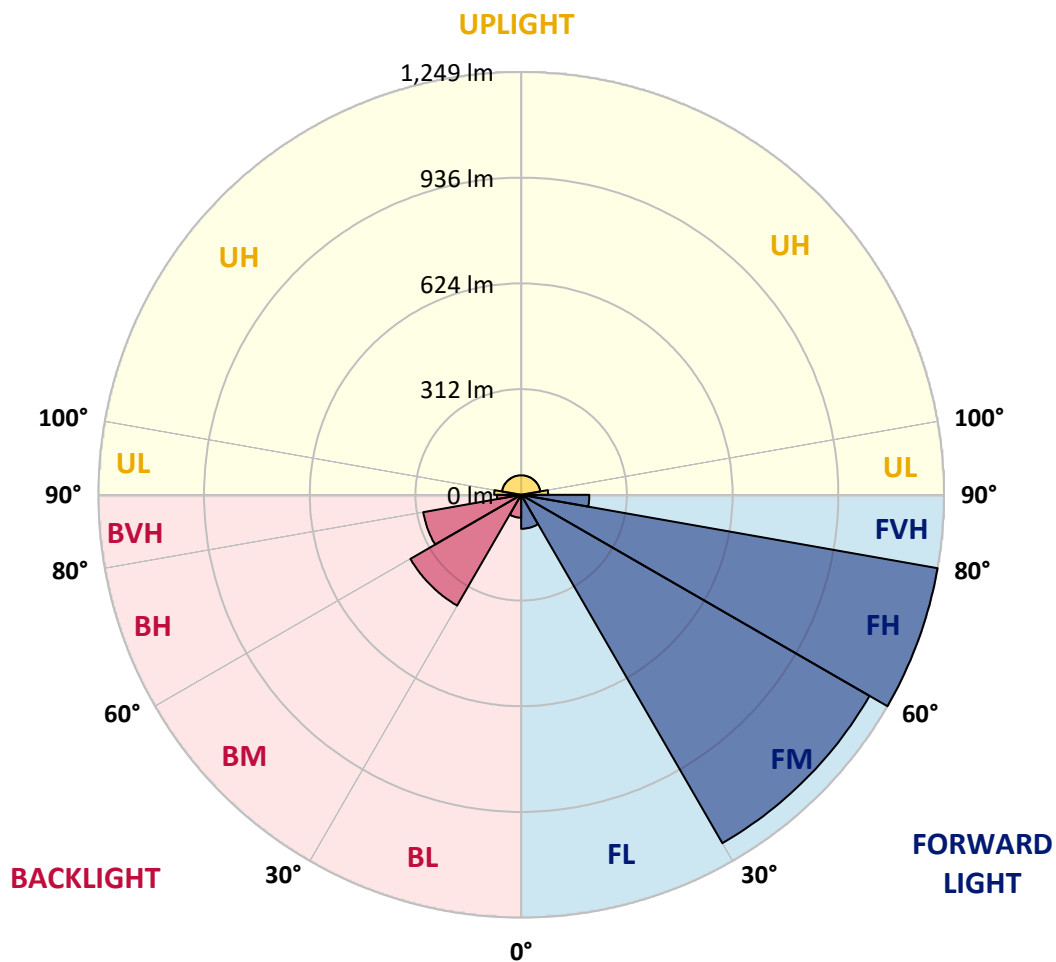
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.2	2.7			
FM	(30°-60°)	1187.7	32.3			
FH	(60°-80°)	1248.6	33.9			G1/1800
FVH	(80°-90°)	201.3	5.5			G2/225
BL	(0°-30°)	67.6	1.8	B0/110		
BM	(30°-60°)	377.7	10.3	B1/1000		
BH	(60°-80°)	293.6	8.0	B1/500		G1/500
BVH	(80°-90°)	71.5	1.9			G1/100
UL	(90°-100°)	79.6	2.2		U3/500	
UH	(100°-180°)	57.6	1.6		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	99.4	98.9	98.9	99.4	98.5	97.7	96.4	95.1	93.9	93.9	93.0
5°	107.4	107.0	107.0	107.0	105.3	104.0	101.0	99.4	97.7	96.8	95.5
7.5°	118.0	116.7	117.1	116.7	114.1	111.6	108.7	105.3	103.2	102.7	100.2
10°	131.9	131.1	130.2	128.5	126.0	121.8	117.5	114.6	111.6	111.2	108.2
12.5°	151.8	150.9	149.2	145.4	139.9	134.9	130.6	127.3	125.6	124.7	121.8
15°	175.9	173.3	172.5	166.6	159.0	153.0	148.4	146.3	144.6	144.6	140.8
17.5°	204.2	204.2	200.0	191.9	182.2	175.0	170.4	166.6	167.8	167.4	165.3
20°	239.3	238.4	232.1	221.5	209.7	202.9	197.0	194.9	196.6	198.3	198.3
22.5°	290.0	287.9	278.2	262.1	244.8	233.8	229.6	229.1	235.9	238.0	240.6
25°	347.1	344.1	331.9	312.4	290.9	274.0	268.0	272.7	285.0	289.6	294.7
27.5°	416.0	414.3	395.7	369.1	343.3	321.3	314.5	328.9	345.4	347.1	357.2
30°	504.8	505.6	480.3	441.8	397.8	375.0	367.4	384.7	409.2	410.9	431.2
32.5°	607.5	607.5	569.5	523.0	466.3	434.2	427.0	454.9	493.4	499.3	518.7
35°	738.6	731.0	682.4	615.6	544.5	496.8	495.9	539.5	592.3	598.2	619.4
37.5°	856.1	860.8	811.3	724.2	628.2	573.3	580.5	635.9	702.7	704.3	727.2
40°	983.4	988.4	930.1	839.2	721.3	659.5	673.9	725.5	791.9	793.1	801.2
42.5°	1083.1	1096.3	1041.7	947.0	827.8	757.6	761.0	809.2	860.3	866.7	872.2
45°	1142.8	1152.5	1122.5	1046.8	921.6	855.7	847.7	887.0	953.8	952.1	960.1
47.5°	1236.6	1248.0	1201.9	1133.0	1027.3	945.7	935.6	986.8	1068.8	1077.2	1069.6
50°	1333.9	1349.1	1315.7	1235.3	1126.3	1046.8	1048.1	1106.4	1201.9	1204.9	1209.6
52.5°	1401.9	1412.9	1399.8	1344.0	1228.2	1155.9	1167.3	1237.0	1330.9	1336.4	1317.8
55°	1412.5	1429.4	1440.0	1427.3	1339.8	1268.3	1297.5	1367.3	1430.7	1435.3	1420.9
57.5°	1409.1	1423.1	1445.5	1455.2	1411.2	1384.2	1421.8	1493.2	1615.4	1631.1	1623.9
60°	1405.3	1415.4	1462.0	1476.3	1451.4	1472.9	1533.0	1660.2	1727.5	1728.7	1663.2
62.5°	1299.6	1316.5	1404.0	1476.3	1469.6	1510.6	1642.1	1730.4	1783.7	1793.4	1730.8
65°	1193.5	1208.3	1296.2	1397.7	1442.5	1504.2	1659.0	1789.2	1907.6	1916.4	1792.6
67.5°	1040.0	1063.3	1159.2	1281.4	1336.4	1434.9	1614.6	1809.9	1883.5	1887.3	1745.6
70°	847.2	878.9	987.2	1116.1	1182.1	1281.9	1515.2	1735.9	1838.6	1836.5	1667.8
72.5°	610.5	638.8	737.7	890.8	993.9	1103.0	1333.4	1588.8	1647.1	1645.0	1418.8
75°	414.7	430.0	504.4	644.3	792.7	920.8	1148.7	1378.2	1427.7	1423.9	1215.5
77.5°	271.8	289.2	337.4	457.0	595.3	742.8	964.3	1153.8	1231.5	1217.6	1030.3
80°	166.6	176.3	216.0	308.6	451.1	599.5	797.4	976.2	1016.4	996.1	841.3
82.5°	104.0	111.6	139.9	203.8	323.8	462.9	654.0	821.9	866.7	843.9	692.1
85°	63.8	67.6	87.1	134.0	219.8	340.3	525.9	666.7	694.2	677.7	521.7
87.5°	46.5	47.4	59.6	90.5	148.4	243.5	387.3	502.3	522.1	491.7	365.7
90°	34.2	35.9	44.0	63.8	103.2	165.3	266.8	353.4	358.5	339.9	244.4
92.5°	25.8	26.6	33.0	45.2	71.0	112.9	178.0	236.8	232.1	219.0	151.8
95°	18.6	19.0	23.7	32.1	49.9	75.7	113.3	148.4	133.6	128.1	92.2
97.5°	15.2	15.6	19.0	24.9	36.8	53.3	73.1	88.4	78.6	75.3	59.2
100°	13.1	13.1	16.1	20.7	28.7	39.7	48.6	55.4	50.7	49.0	41.9
102.5°	11.8	11.8	14.0	17.3	23.7	31.3	35.9	38.0	35.5	34.2	30.9
105°	10.6	10.6	12.3	14.8	19.9	25.4	27.5	27.9	25.4	24.9	23.7
107.5°	9.7	9.7	11.0	13.1	16.9	21.1	22.0	20.7	19.4	18.6	18.6
110°	8.5	8.9	9.7	11.4	14.8	17.8	17.8	16.1	14.4	14.4	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	8.0	8.0	8.9	10.6	13.1	15.2	14.4	12.7	11.4	11.4	12.3
115°	7.2	7.2	8.0	9.7	11.8	13.1	12.3	10.6	9.3	9.7	10.6
117.5°	6.8	6.8	7.6	8.9	10.6	11.4	10.6	8.9	8.0	8.5	9.7
120°	6.8	6.8	7.6	8.5	9.7	10.1	9.3	7.6	7.2	7.2	8.5
122.5°	6.8	6.8	7.2	8.5	9.3	9.3	8.0	6.8	6.3	6.3	7.6
125°	6.8	6.8	7.6	8.5	8.5	8.5	7.2	5.9	5.5	5.9	6.8
127.5°	7.2	7.2	7.6	8.0	8.0	7.6	6.3	5.5	5.1	5.5	6.3
130°	7.2	7.2	7.6	8.0	7.6	6.8	5.9	5.1	5.1	5.1	6.3
132.5°	7.2	7.2	7.6	7.6	7.2	5.9	5.1	4.2	4.7	5.1	5.9
135°	6.8	6.8	6.8	6.8	6.3	5.5	4.2	3.8	4.2	4.7	5.5
137.5°	6.3	6.3	6.3	6.3	5.5	4.7	3.4	3.0	3.8	3.8	4.7
140°	5.5	5.5	5.9	5.5	5.1	3.8	3.0	2.1	3.0	3.0	3.8
142.5°	5.1	5.1	5.1	5.1	4.2	3.4	2.1	2.1	2.5	2.5	3.0
145°	4.2	4.2	4.7	4.2	3.4	2.5	1.7	1.7	2.1	2.1	2.5
147.5°	3.4	3.8	3.8	3.4	3.0	2.1	1.3	1.3	1.7	1.7	2.1
150°	3.0	3.0	3.0	3.0	2.1	1.3	0.8	1.3	1.7	1.7	1.7
152.5°	2.1	2.1	2.5	2.5	1.7	0.8	0.8	1.3	1.3	1.3	1.7
155°	1.7	1.7	2.1	1.7	1.3	0.4	0.8	0.8	1.3	1.3	1.3
157.5°	0.8	0.8	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.8	1.3
160°	0.4	0.4	1.3	1.3	0.8	0.4	0.4	0.4	0.8	0.8	0.8
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°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	92.6	91.7	91.3	90.5	89.6	88.8	88.8	88.8	88.4	87.9	88.4
5°	94.3	93.9	91.7	90.1	88.4	87.5	86.7	86.2	86.2	85.4	85.4
7.5°	98.9	97.2	94.3	91.3	89.6	87.9	86.7	86.2	85.8	85.0	85.0
10°	106.1	104.0	100.6	96.0	93.0	90.1	88.8	88.8	88.4	87.9	87.9
12.5°	119.6	117.1	111.2	104.8	98.9	94.7	93.9	95.1	97.7	98.1	98.1
15°	139.5	136.6	128.9	118.8	109.5	103.6	104.4	107.8	111.2	112.5	112.5
17.5°	164.0	160.7	149.7	134.9	122.6	117.1	116.7	121.3	126.0	128.5	128.5
20°	197.0	191.5	177.1	156.0	139.1	132.8	130.2	134.4	141.6	144.6	143.7
22.5°	238.0	231.7	211.4	179.3	158.1	146.7	143.3	148.0	156.8	160.7	160.2
25°	292.1	285.8	252.8	208.4	176.7	159.0	156.8	163.6	176.7	184.3	183.5
27.5°	355.1	344.6	300.6	241.0	194.9	169.1	169.5	180.9	194.5	202.9	202.1
30°	422.4	408.8	348.8	272.3	211.8	180.5	179.7	193.2	207.2	216.0	216.0
32.5°	511.1	491.3	404.6	302.3	224.9	189.4	186.4	201.7	216.0	225.3	224.9
35°	606.3	579.6	462.9	334.0	235.9	194.1	190.7	206.3	221.1	232.1	232.1
37.5°	715.3	670.1	517.5	356.0	243.5	196.6	191.9	209.7	227.9	239.3	238.4
40°	772.8	722.1	543.7	365.7	244.8	197.0	194.1	212.7	227.9	232.1	230.0
42.5°	837.1	771.6	554.7	353.9	240.1	196.2	195.3	209.7	216.5	215.2	213.9
45°	918.3	829.9	565.2	339.1	229.1	194.9	193.2	201.7	202.1	197.0	195.3
47.5°	1021.8	910.2	582.6	321.3	218.2	191.9	189.8	193.6	186.4	177.1	174.2
50°	1133.0	1003.2	604.1	306.1	208.0	188.1	186.0	184.8	177.6	168.3	166.6
52.5°	1229.9	1066.2	610.1	290.0	201.2	185.6	183.1	181.8	175.0	164.5	162.3
55°	1316.5	1119.9	589.3	265.9	195.7	183.9	183.1	183.1	175.9	164.9	162.8
57.5°	1487.7	1248.5	597.0	241.4	188.6	183.5	184.8	185.2	178.4	167.8	165.7
60°	1492.8	1223.9	552.6	224.1	182.2	183.5	186.4	187.3	182.6	175.5	174.2
62.5°	1541.4	1224.8	493.0	201.7	178.0	182.6	187.7	190.7	191.1	186.9	186.0
65°	1559.2	1207.0	449.8	183.9	172.1	180.5	188.1	195.3	197.9	195.7	194.9
67.5°	1491.1	1125.4	391.1	172.1	166.2	177.1	187.7	196.6	202.1	203.4	203.4
70°	1401.5	1033.7	338.6	160.7	159.8	172.5	184.8	196.6	204.2	207.6	207.6
72.5°	1174.0	848.9	279.5	148.8	151.4	165.3	178.4	192.8	201.2	204.2	202.9
75°	982.1	698.8	230.0	138.7	142.9	156.4	169.5	183.5	189.4	191.1	189.8
77.5°	830.8	581.3	189.0	129.4	132.8	145.0	156.8	166.6	170.4	169.5	167.4
80°	669.7	453.6	155.2	118.0	121.3	131.1	139.5	147.1	150.9	148.8	147.5
82.5°	533.1	360.6	132.3	107.8	109.1	117.1	123.0	128.9	135.3	133.6	130.2
85°	394.4	265.5	112.5	96.8	96.8	102.7	105.7	111.2	120.1	119.6	118.4
87.5°	269.7	189.0	95.5	85.8	85.4	88.8	90.5	96.4	107.8	108.2	107.0
90°	177.6	129.4	79.9	74.4	73.6	76.1	77.4	82.4	91.7	92.6	90.9
92.5°	115.4	89.6	65.5	63.0	62.6	64.7	64.3	67.6	74.0	73.6	72.3
95°	74.0	62.6	53.3	52.0	50.7	53.3	52.4	53.3	56.7	55.8	55.8
97.5°	51.2	47.8	44.0	41.9	41.0	43.5	42.7	42.7	44.4	42.7	41.9
100°	39.3	38.0	36.4	34.7	33.0	35.1	35.1	35.1	36.4	33.8	33.0
102.5°	30.4	30.0	30.0	28.7	27.5	29.2	29.6	30.0	29.6	27.1	26.6
105°	24.1	24.1	24.9	23.7	23.3	24.5	24.9	24.5	24.5	22.4	22.4
107.5°	19.0	19.9	20.7	19.9	19.9	20.7	20.7	20.7	19.9	18.6	19.0
110°	15.6	16.5	17.8	16.9	16.9	17.8	17.3	16.9	16.5	16.1	16.1



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.5	14.0	14.8	14.4	14.8	15.2	14.8	14.0	14.0	14.0	14.4
115°	11.4	12.3	13.1	12.7	12.7	13.1	12.3	11.8	11.8	12.3	12.3
117.5°	10.1	11.0	11.4	11.4	11.0	11.4	10.6	10.1	10.6	11.0	11.0
120°	9.3	9.7	10.1	10.1	9.7	9.7	9.3	8.9	9.3	9.7	10.1
122.5°	8.5	8.9	8.9	9.3	8.9	8.5	8.0	8.0	8.5	8.9	8.9
125°	7.6	8.0	8.0	8.0	8.0	7.6	7.2	7.2	7.6	8.0	8.5
127.5°	6.8	7.2	7.2	7.6	7.2	6.8	6.3	6.8	7.2	7.6	7.6
130°	6.8	6.8	6.8	6.8	6.3	5.9	5.9	5.9	6.8	7.2	7.2
132.5°	6.3	6.8	6.3	6.3	5.9	5.1	5.1	5.5	6.3	6.8	6.8
135°	5.9	5.9	5.5	5.5	5.1	4.7	4.2	5.1	5.5	5.9	5.9
137.5°	5.1	5.1	4.7	4.2	4.2	3.8	3.8	4.2	5.1	5.5	5.5
140°	3.8	4.2	3.8	3.4	3.4	3.0	3.4	3.8	4.7	4.7	4.7
142.5°	3.0	3.4	3.0	2.5	2.5	2.5	2.5	3.4	4.2	4.2	4.2
145°	2.5	2.5	2.5	2.1	1.7	1.7	2.1	3.0	3.8	3.8	3.8
147.5°	2.1	2.1	2.1	1.7	1.3	1.3	1.7	2.5	3.0	3.0	3.0
150°	1.7	1.7	1.7	1.7	1.3	0.8	1.3	2.1	2.5	2.5	2.5
152.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.8	1.7	2.1	2.1	2.1
155°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	0.8	0.4	0.0	0.4	1.3	1.7	1.3	1.3
160°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.3	0.8	0.8
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)