

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: P414214

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2478 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U2 - G1

Input Watts (W): 21  
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

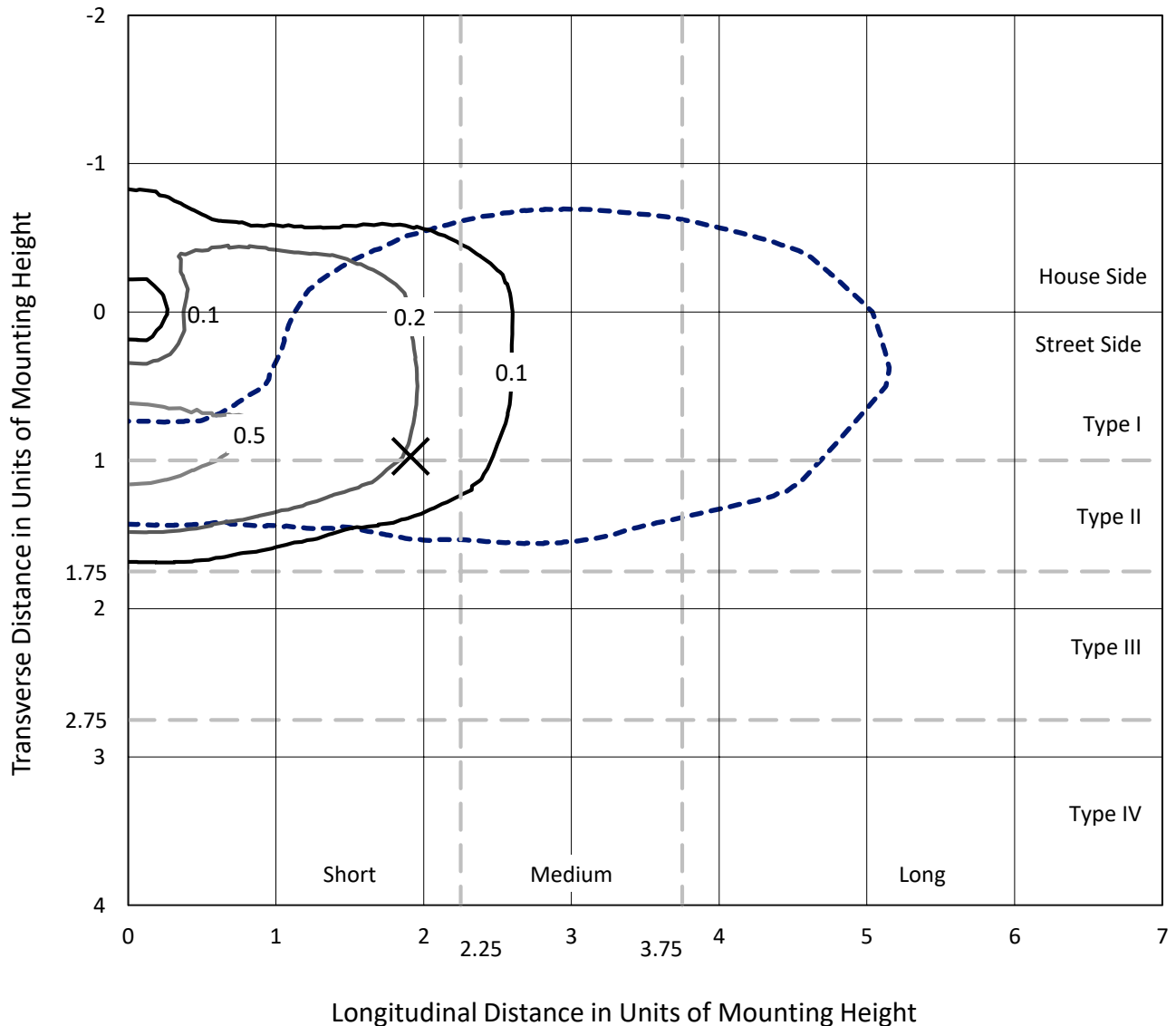


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

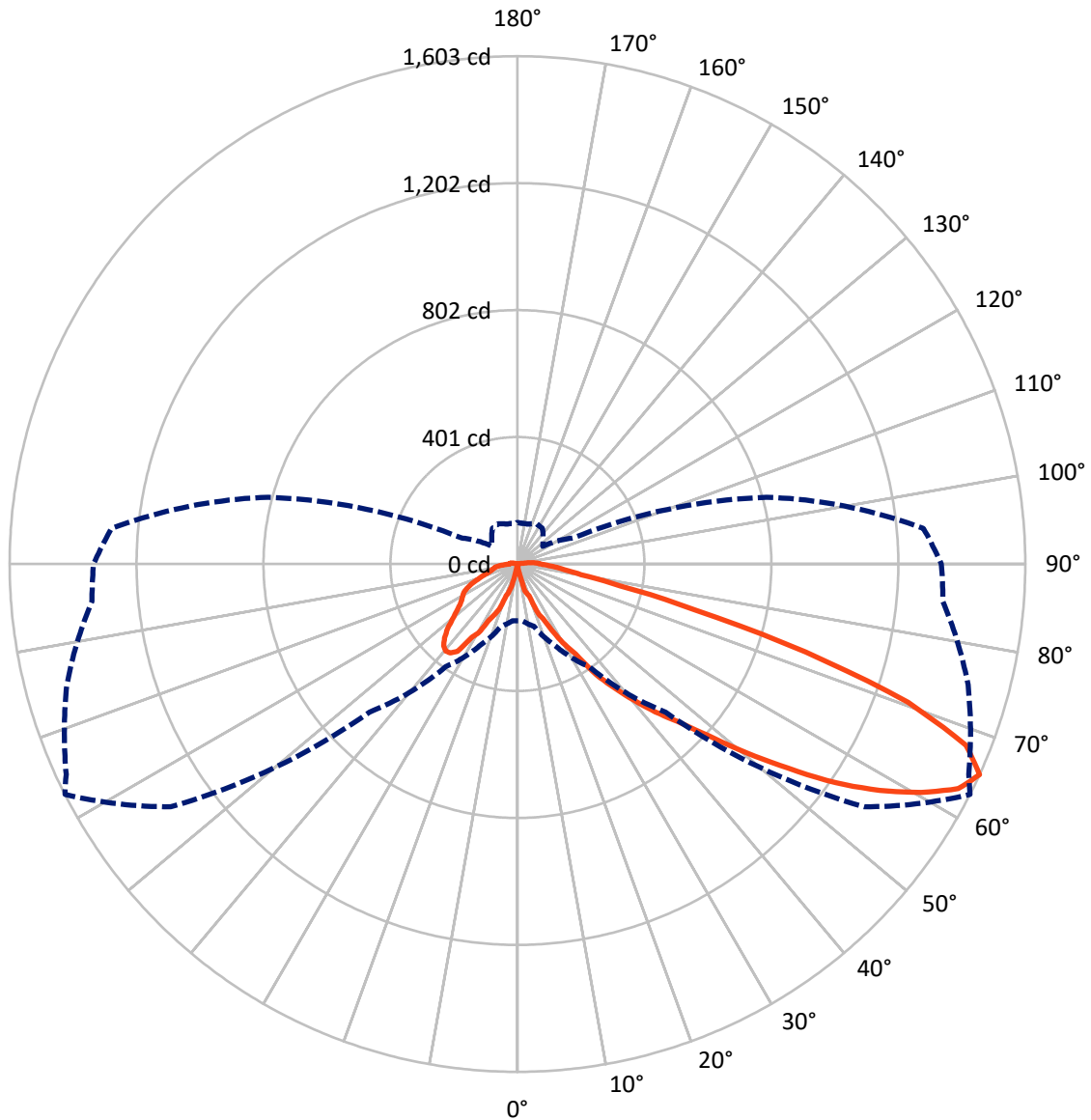


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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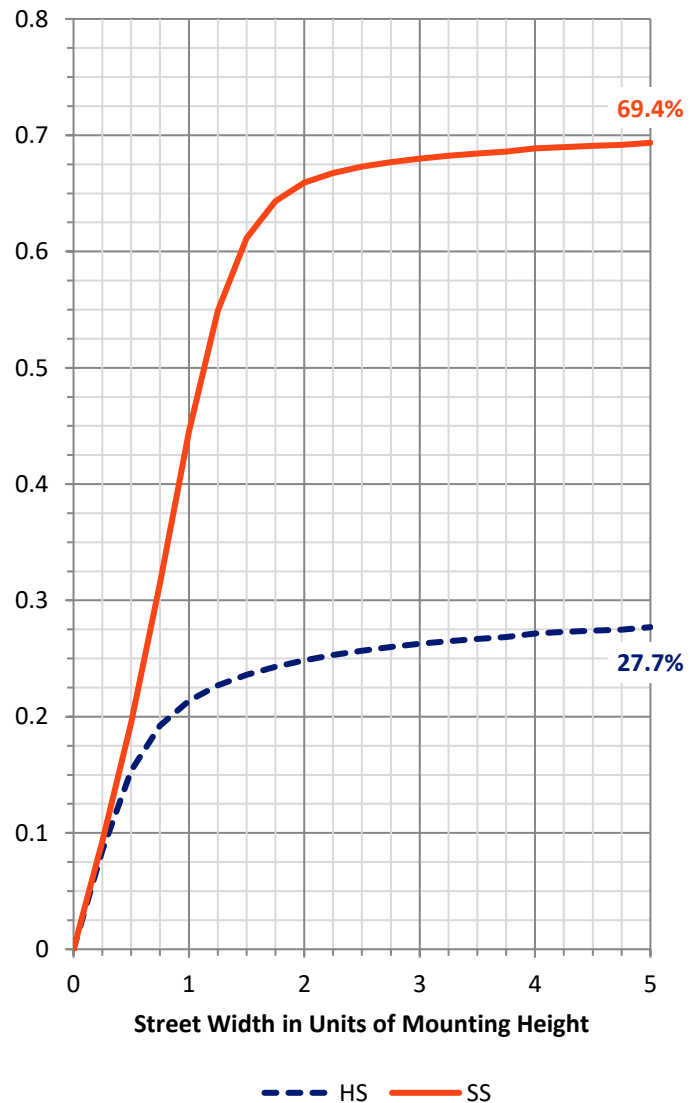
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	705.2	20.5	725.7
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	1733.3	19.1	1752.3
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	2438.5	39.5	2478.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	22.3	0.9
20°-30°	91.0	3.7
30°-40°	236.5	9.5
40°-50°	449.8	18.2
50°-60°	605.5	24.4
60°-70°	573.6	23.1
70°-80°	359.5	14.5
80°-90°	98.7	4.0
90°-100°	27.6	1.1
100°-110°	5.1	0.2
110°-120°	2.5	0.1
120°-130°	1.8	0.1
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2438.5	98.4
0°-180°	2478.0	100.0



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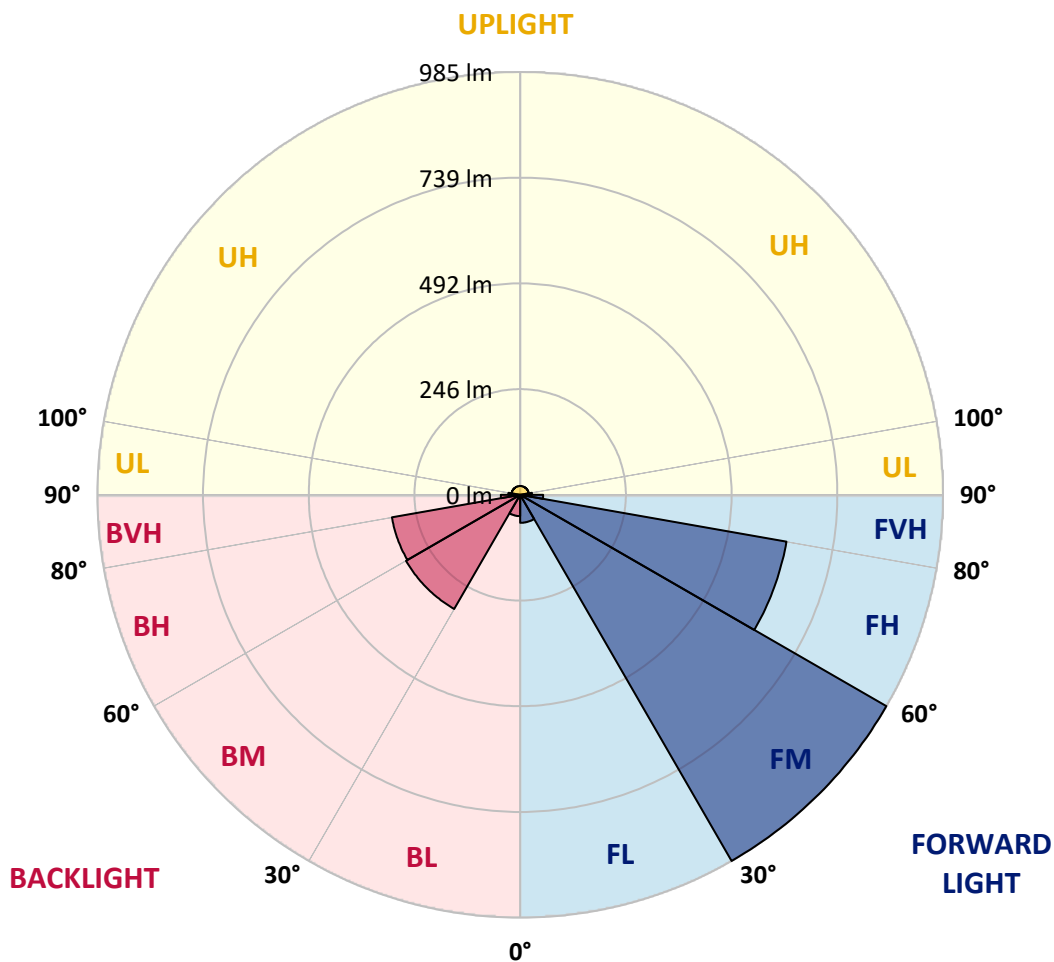
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.2	2.6			
FM	(30°-60°)	984.8	39.7			
FH	(60°-80°)	629.7	25.4			G0/660
FVH	(80°-90°)	53.5	2.2			G1/100
BL	(0°-30°)	49.7	2.0	B0/110		
BM	(30°-60°)	307.0	12.4	B1/1000		
BH	(60°-80°)	303.3	12.2	B1/500		G1/500
BVH	(80°-90°)	45.2	1.8			G1/100
UL	(90°-100°)	27.6	1.1		U2/50	
UH	(100°-180°)	20.5	0.8		U2/50	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.3	3.0	3.3	3.3	3.0	2.7	2.5	2.2	1.9	1.4	1.1
5°	38.7	39.0	38.4	37.6	13.4	6.0	3.6	2.7	2.5	1.6	1.4
7.5°	44.5	44.2	43.9	43.4	41.4	39.0	21.1	4.9	3.8	2.2	1.4
10°	48.9	48.3	46.9	46.7	44.7	43.4	40.1	25.8	21.7	3.8	2.7
12.5°	88.9	87.0	85.4	70.5	49.4	46.7	44.7	39.0	38.1	24.4	36.5
15°	93.0	93.3	92.2	90.6	86.7	58.2	72.5	87.8	87.5	75.7	74.6
17.5°	105.7	104.8	100.7	96.6	95.2	103.5	102.6	98.0	98.0	86.7	82.1
20°	163.3	161.9	159.5	132.8	118.3	133.7	125.4	109.2	109.8	133.9	145.5
22.5°	189.1	188.5	183.6	171.8	167.4	147.4	165.2	171.0	167.7	169.6	162.5
25°	258.8	256.1	234.4	213.5	216.0	199.0	198.7	195.1	193.2	184.7	197.6
27.5°	329.3	327.1	322.2	292.8	249.5	239.9	224.5	245.1	239.6	259.4	263.7
30°	436.4	416.3	374.6	354.9	340.6	294.8	290.4	296.7	295.0	289.5	284.6
32.5°	547.8	539.6	515.1	443.0	397.7	371.3	358.4	338.9	329.9	388.9	393.0
35°	664.2	656.5	596.6	554.7	477.0	434.2	427.0	429.8	417.7	446.5	439.7
37.5°	868.9	865.1	805.0	674.6	593.4	509.6	499.8	496.5	477.5	498.4	498.7
40°	1000.4	994.0	927.6	831.6	700.7	631.0	582.9	564.0	559.0	560.1	560.4
42.5°	1098.1	1087.9	1049.2	960.8	824.2	742.4	674.6	638.1	648.0	628.8	627.7
45°	1161.5	1156.0	1120.8	1047.0	952.3	911.7	791.8	709.4	742.7	708.3	706.7
47.5°	1175.7	1173.3	1148.8	1111.8	1072.3	1055.3	933.1	807.2	837.6	822.5	791.8
50°	1113.7	1115.9	1106.8	1120.3	1163.4	1182.9	1082.1	936.7	953.4	917.5	878.2
52.5°	978.1	977.9	1010.8	1070.3	1196.9	1274.8	1220.2	1071.4	1070.6	1005.6	961.1
55°	785.2	800.0	855.7	948.2	1151.0	1317.1	1351.1	1219.6	1196.6	1108.5	1034.9
57.5°	598.3	617.5	685.8	769.8	1020.7	1287.2	1446.3	1348.4	1324.5	1201.3	1113.2
60°	404.8	412.2	498.4	595.6	811.8	1172.2	1491.1	1464.5	1438.1	1295.9	1192.2
62.5°	269.8	276.4	325.8	444.1	582.1	952.6	1462.3	1562.4	1527.6	1407.9	1274.8
65°	179.5	179.5	203.9	285.7	396.0	661.4	1336.0	1603.3	1571.8	1472.7	1348.1
67.5°	132.3	134.5	142.4	184.2	269.8	395.8	1062.7	1527.8	1531.1	1480.1	1371.4
70°	119.9	121.3	128.2	138.9	192.7	235.5	702.3	1308.8	1365.7	1424.1	1341.5
72.5°	104.8	105.4	116.4	127.9	151.8	180.6	408.4	951.2	1070.6	1302.3	1259.2
75°	87.8	88.6	97.4	114.7	131.2	151.5	217.4	579.1	697.9	1118.1	1150.2
77.5°	71.4	73.3	80.4	93.9	120.5	127.1	166.9	331.0	404.3	832.7	972.4
80°	54.9	56.8	63.1	73.8	98.5	112.2	138.6	203.6	245.1	517.6	679.5
82.5°	37.6	39.0	45.3	53.2	70.5	93.6	114.7	150.1	162.2	283.2	374.9
85°	26.6	27.4	31.6	35.1	43.9	61.5	95.8	119.1	122.4	150.1	152.6
87.5°	15.1	14.8	15.4	17.8	20.0	23.9	56.5	87.3	91.4	104.6	97.2
90°	10.4	10.2	8.5	8.2	9.3	10.2	32.1	69.4	73.0	84.3	86.5
92.5°	11.0	10.4	8.2	7.7	8.8	9.3	21.4	60.7	68.3	84.3	88.9
95°	10.4	9.9	7.4	6.6	8.0	8.2	13.2	41.7	53.8	78.8	87.0
97.5°	9.1	8.5	6.0	5.5	6.6	6.6	7.4	19.2	26.3	36.8	41.4
100°	7.4	6.9	4.9	4.4	4.7	4.9	4.7	9.6	9.6	10.2	8.0
102.5°	6.6	6.3	4.1	3.6	3.3	3.3	3.0	4.7	4.9	5.5	6.9
105°	5.8	5.5	3.6	3.0	2.5	2.5	2.2	3.0	3.3	4.7	6.6
107.5°	4.1	4.1	3.0	2.5	2.2	2.2	1.6	2.5	2.7	4.1	6.9
110°	2.7	2.7	2.2	2.2	1.9	2.2	1.6	2.5	2.5	3.3	5.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	2.2	2.2	1.9	1.6	1.4	1.6	1.9	2.2	2.2	2.5	3.3
115°	2.2	1.9	1.6	1.4	1.1	1.4	1.4	1.9	1.9	2.5	3.3
117.5°	2.2	2.2	1.6	1.4	1.1	1.1	1.4	1.6	1.6	2.5	3.6
120°	2.2	2.2	1.6	1.4	1.1	0.8	1.1	1.6	1.6	2.2	3.3
122.5°	2.2	2.2	1.6	1.4	1.1	0.8	1.1	1.4	1.4	1.9	3.3
125°	2.5	2.5	1.9	1.4	1.1	0.8	1.1	1.1	1.1	1.9	3.0
127.5°	2.5	2.5	1.9	1.4	1.1	0.8	1.1	1.1	1.1	1.6	2.5
130°	2.5	2.5	1.9	1.4	1.1	0.8	1.1	0.8	0.8	1.4	2.2
132.5°	2.5	2.2	1.9	1.6	1.4	1.1	1.1	0.8	0.8	0.8	1.6
135°	2.2	2.2	1.9	1.6	1.4	1.1	1.1	0.8	0.8	0.8	1.1
137.5°	2.2	2.2	2.2	1.9	1.6	1.4	1.1	0.8	0.8	0.8	0.8
140°	2.5	2.5	2.5	2.2	1.6	1.4	1.1	0.8	0.8	0.8	0.8
142.5°	2.7	2.7	2.7	2.5	1.6	1.4	1.4	0.8	0.8	0.8	0.8
145°	3.0	3.0	3.0	2.5	1.6	1.4	1.4	1.1	1.1	0.8	1.1
147.5°	3.3	3.3	3.0	2.5	1.4	1.1	1.1	1.1	1.1	1.1	1.1
150°	3.0	2.7	2.7	1.9	1.1	0.5	0.8	0.8	0.8	1.1	1.1
152.5°	2.2	2.2	1.9	1.4	0.8	0.3	0.5	0.5	0.8	0.8	0.8
155°	1.4	1.4	1.1	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.1	1.1	1.4	1.6	1.6	1.9	1.9	1.9	1.9	1.9	1.9
5°	1.1	1.1	1.4	1.6	1.9	2.2	2.5	2.5	2.5	2.7	2.7
7.5°	1.4	1.4	1.4	1.9	2.2	3.0	8.2	24.7	38.1	39.2	39.8
10°	2.7	2.7	2.7	2.7	6.0	35.1	43.6	45.6	46.7	47.5	47.5
12.5°	36.8	36.5	13.2	6.6	30.2	45.6	48.3	49.7	50.8	51.6	51.9
15°	74.6	74.9	74.9	75.7	54.9	49.7	52.4	77.4	91.7	94.4	95.5
17.5°	81.8	81.8	81.5	90.8	102.1	80.7	90.0	98.3	101.0	102.4	102.9
20°	149.3	149.0	120.2	104.3	107.9	133.9	100.7	104.6	106.8	127.3	127.9
22.5°	164.7	163.8	160.3	161.1	127.1	144.9	138.0	133.9	146.8	146.3	146.8
25°	202.3	182.5	174.8	173.2	184.2	150.7	160.0	138.6	141.9	141.3	141.9
27.5°	264.8	257.7	239.9	202.8	196.2	186.1	160.3	145.5	163.6	167.7	168.2
30°	284.1	275.0	256.1	257.7	218.7	189.4	156.2	161.1	154.8	154.2	153.1
32.5°	389.4	377.6	349.1	281.0	243.7	177.8	157.0	146.6	149.8	160.8	161.4
35°	433.9	420.5	400.4	358.7	236.3	174.5	143.5	143.0	145.2	145.5	144.9
37.5°	484.4	466.8	447.9	377.9	246.7	158.1	133.9	134.2	139.1	148.8	147.7
40°	543.1	523.6	492.9	389.2	221.5	148.2	127.6	131.7	136.9	134.8	132.8
42.5°	609.3	577.4	529.1	387.0	192.7	136.7	126.0	128.7	127.9	123.8	122.7
45°	677.6	643.9	564.5	368.6	166.6	129.3	123.0	123.8	120.5	115.3	114.2
47.5°	756.4	711.9	584.6	341.7	145.7	128.7	122.1	119.4	113.1	108.4	108.1
50°	835.7	787.1	615.9	305.7	130.1	126.5	124.1	118.3	110.6	105.9	105.4
52.5°	913.4	870.8	649.6	275.5	118.3	124.1	124.9	118.8	110.6	103.7	103.5
55°	991.3	954.0	686.1	251.7	110.3	123.8	127.9	120.5	112.2	102.1	101.8
57.5°	1069.5	1033.3	721.2	235.8	106.8	120.2	129.8	125.7	116.6	108.1	108.7
60°	1162.3	1119.5	762.7	224.5	105.4	118.3	131.5	131.7	119.4	109.8	111.2
62.5°	1253.4	1210.0	797.8	214.1	101.8	116.4	132.3	136.4	125.4	117.2	118.6
65°	1338.2	1286.6	814.0	194.0	97.4	114.2	137.2	140.5	130.1	129.3	130.9
67.5°	1370.6	1322.6	798.1	169.1	94.7	114.2	142.4	146.3	135.0	139.4	143.8
70°	1339.3	1299.2	758.0	137.8	95.5	115.0	143.3	149.0	142.2	145.7	149.6
72.5°	1242.1	1191.1	660.6	110.9	95.5	113.9	139.7	144.6	139.4	151.2	155.1
75°	1119.5	1030.6	525.8	91.4	92.8	113.3	131.5	137.2	132.0	144.4	148.5
77.5°	924.6	810.7	363.6	80.7	88.9	108.4	123.0	124.1	118.8	126.2	128.2
80°	652.1	546.4	230.3	73.0	85.1	98.0	109.0	107.0	101.8	103.2	104.8
82.5°	363.6	289.0	134.2	67.2	79.9	81.5	89.2	89.7	82.9	83.2	83.4
85°	144.4	133.7	90.8	56.5	64.5	58.7	66.7	69.4	62.8	55.2	53.5
87.5°	95.8	90.8	63.4	38.7	39.5	33.2	43.4	45.0	37.1	32.1	31.8
90°	91.1	88.4	54.6	26.1	22.0	18.1	24.2	23.3	17.8	15.6	15.9
92.5°	93.9	92.2	55.4	25.0	21.4	17.3	21.4	18.4	13.4	11.8	12.1
95°	92.5	91.7	54.1	24.4	20.3	15.9	18.1	14.8	10.4	9.3	9.3
97.5°	43.9	46.4	33.5	22.0	18.1	13.4	14.0	11.3	7.4	6.9	6.6
100°	6.6	10.4	18.1	20.3	13.4	9.3	9.1	7.4	4.7	4.4	4.4
102.5°	6.9	7.4	11.3	14.0	7.4	4.9	4.9	4.4	3.6	4.1	4.1
105°	7.4	6.9	6.6	7.7	4.4	3.0	2.7	2.7	3.0	4.4	4.7
107.5°	8.0	7.4	5.2	4.1	3.3	2.7	2.2	1.9	2.7	4.7	4.9
110°	6.0	5.8	4.4	3.3	3.3	3.0	1.9	1.9	3.0	4.9	5.5



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.6	4.1	3.8	3.0	2.7	2.7	1.9	1.9	3.0	5.2	5.8
115°	3.8	3.8	3.3	2.5	2.2	2.2	1.9	1.6	3.0	5.5	5.8
117.5°	3.8	3.8	3.3	2.5	1.9	1.6	1.6	1.6	3.0	5.5	5.8
120°	3.8	3.8	3.3	2.2	1.9	1.6	1.6	1.6	3.0	5.2	5.8
122.5°	3.6	3.6	3.0	2.2	1.6	1.6	1.6	1.6	3.0	4.9	5.2
125°	3.3	3.3	2.7	1.9	1.6	1.4	1.6	1.6	2.7	4.4	4.7
127.5°	2.7	3.0	2.5	1.9	1.6	1.4	1.6	1.6	2.5	3.8	4.1
130°	2.5	2.5	2.2	1.6	1.4	1.4	1.6	1.6	2.5	3.6	3.8
132.5°	1.9	1.9	1.6	1.6	1.4	1.4	1.4	1.4	1.9	3.0	3.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	2.2	2.5
137.5°	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9
140°	0.8	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6
142.5°	0.8	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.6	1.9	1.9
145°	1.1	1.1	1.4	1.4	1.4	1.1	1.4	1.4	1.6	1.9	1.9
147.5°	1.1	1.1	1.4	1.4	1.4	1.1	1.1	1.4	1.6	1.9	1.9
150°	1.1	1.1	1.4	1.4	1.1	0.8	1.1	1.1	1.4	1.9	1.9
152.5°	1.1	1.1	1.1	1.1	0.8	0.5	0.8	0.8	1.1	1.4	1.4
155°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	1.1
157.5°	0.5	0.5	0.5	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5
160°	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
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)