

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: P414318

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414318  
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-PA1-20-750-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2720.9 lumens  
Efficiency: N/A  
Efficacy: 129.6 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

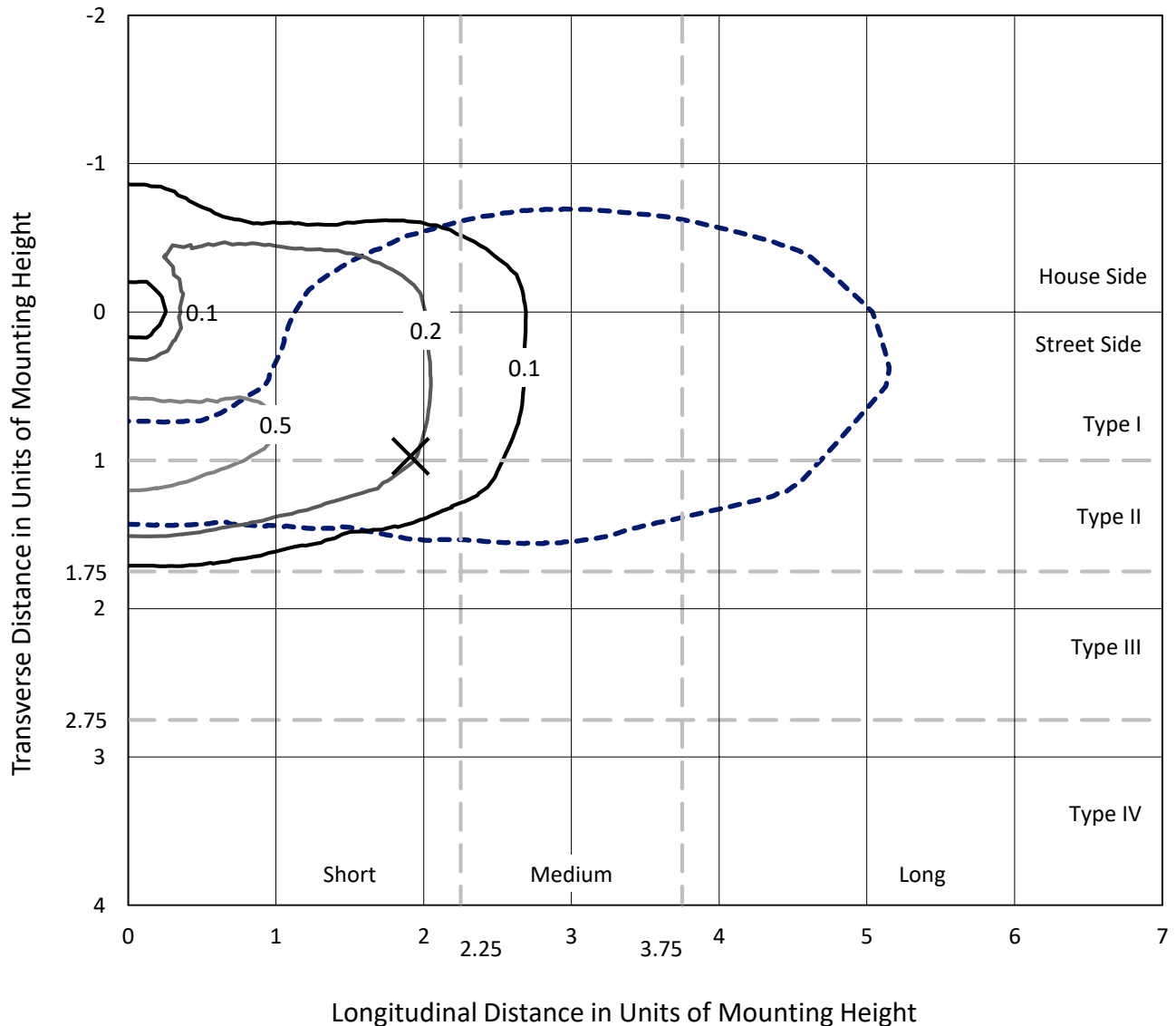


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

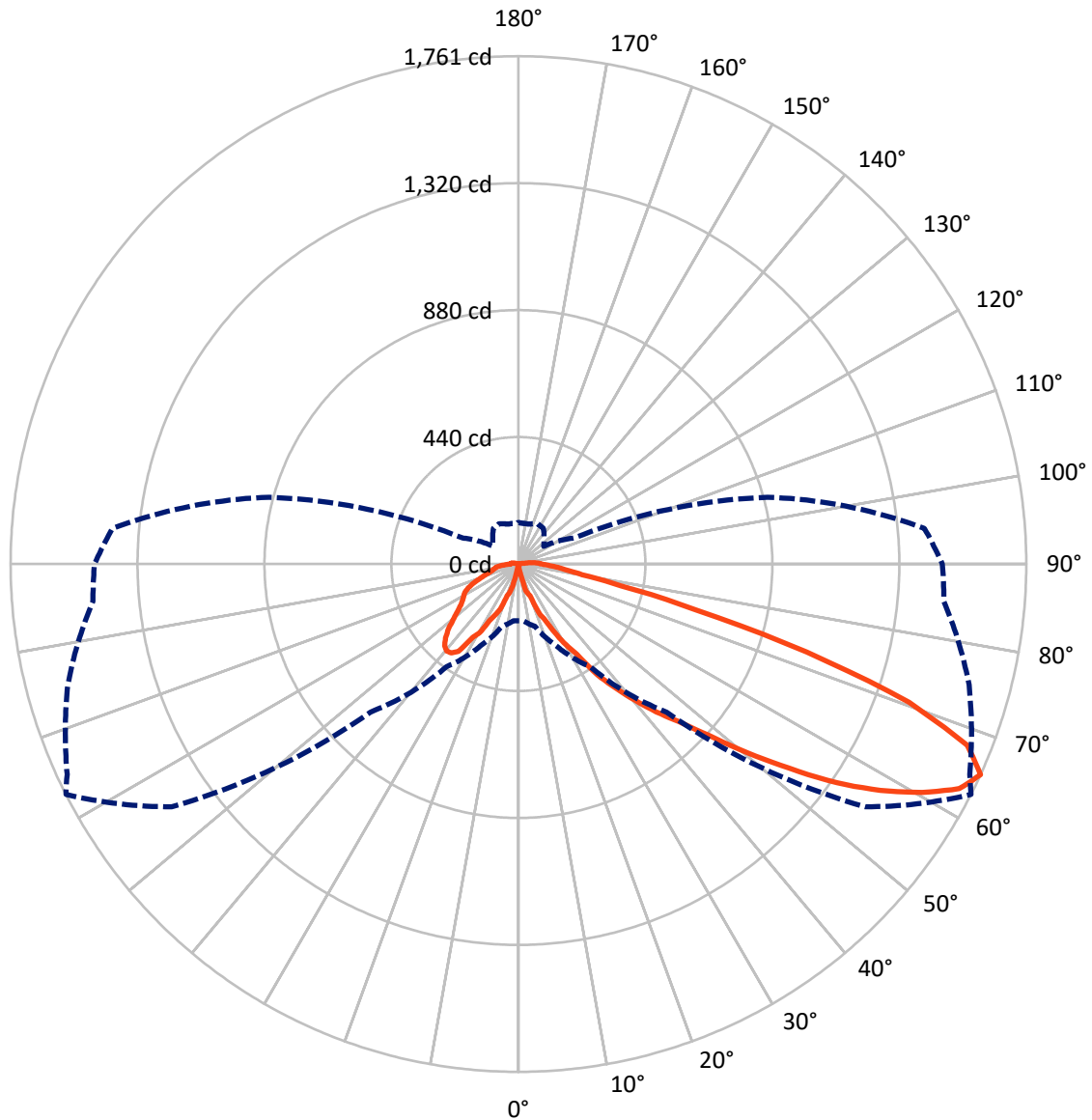


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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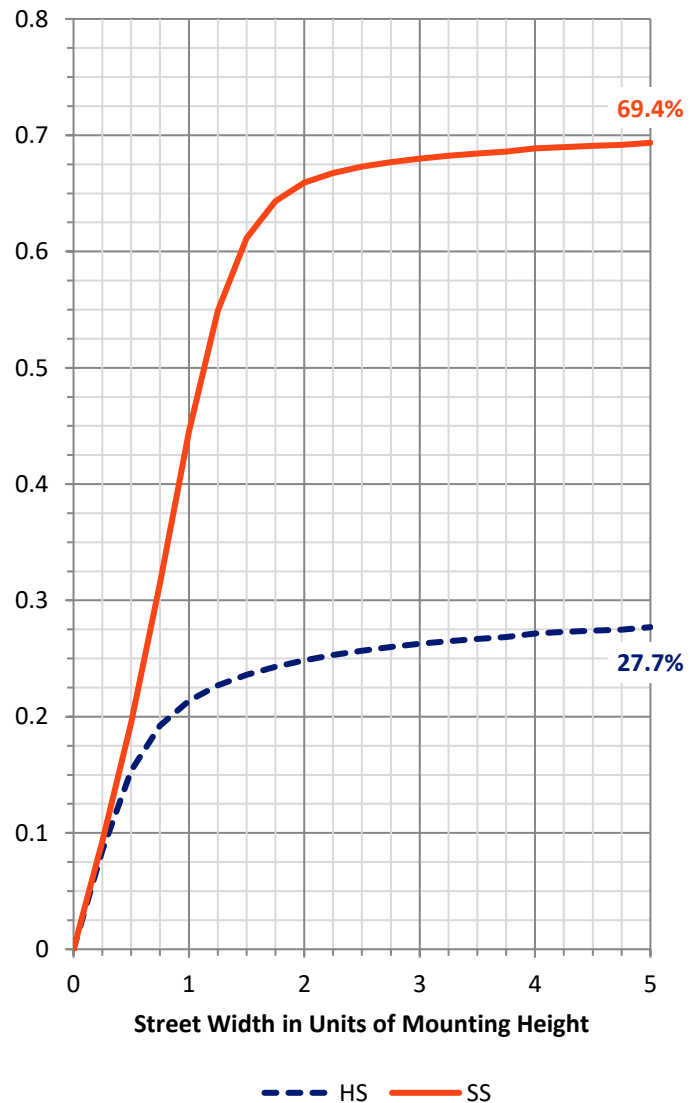
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	774.4	22.5	796.8
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	1903.2	20.9	1924.1
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	2677.6	43.4	2720.9
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	24.4	0.9
20°-30°	100.0	3.7
30°-40°	259.7	9.5
40°-50°	493.9	18.2
50°-60°	664.9	24.4
60°-70°	629.9	23.1
70°-80°	394.7	14.5
80°-90°	108.4	4.0
90°-100°	30.3	1.1
100°-110°	5.6	0.2
110°-120°	2.7	0.1
120°-130°	2.0	0.1
130°-140°	1.3	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°	2677.6	98.4
0°-180°	2720.9	100.0



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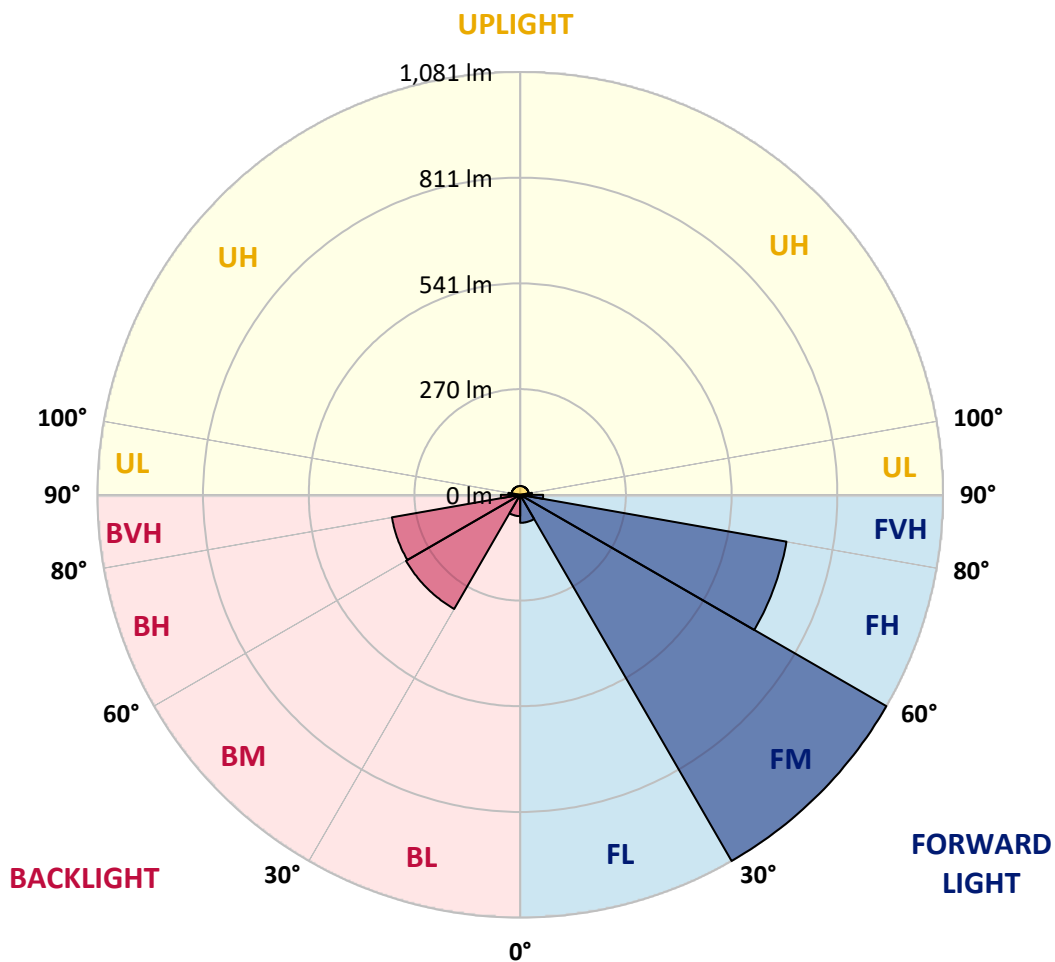
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.6	2.6			
FM	(30°-60°)	1081.4	39.7			
FH	(60°-80°)	691.5	25.4			G1/1800
FVH	(80°-90°)	58.8	2.2			G1/100
BL	(0°-30°)	54.5	2.0	B0/110		
BM	(30°-60°)	337.1	12.4	B1/1000		
BH	(60°-80°)	333.1	12.2	B1/500		G1/500
BVH	(80°-90°)	49.6	1.8			G1/100
UL	(90°-100°)	30.3	1.1		U2/50	
UH	(100°-180°)	22.5	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.6	3.3	3.6	3.6	3.3	3.0	2.7	2.4	2.1	1.5	1.2
5°	42.5	42.8	42.2	41.3	14.8	6.6	3.9	3.0	2.7	1.8	1.5
7.5°	48.8	48.5	48.2	47.6	45.5	42.8	23.2	5.4	4.2	2.4	1.5
10°	53.6	53.0	51.5	51.2	49.1	47.6	44.0	28.3	23.8	4.2	3.0
12.5°	97.6	95.5	93.7	77.4	54.2	51.2	49.1	42.8	41.9	26.8	40.1
15°	102.2	102.5	101.3	99.4	95.2	63.9	79.6	96.4	96.1	83.2	82.0
17.5°	116.0	115.1	110.6	106.1	104.6	113.6	112.7	107.6	107.6	95.2	90.1
20°	179.3	177.8	175.1	145.9	129.9	146.8	137.7	119.9	120.5	147.1	159.7
22.5°	207.6	207.0	201.6	188.7	183.8	161.8	181.4	187.7	184.1	186.2	178.4
25°	284.2	281.2	257.4	234.5	237.2	218.5	218.2	214.3	212.2	202.8	217.0
27.5°	361.6	359.2	353.8	321.6	273.9	263.4	246.5	269.1	263.1	284.8	289.6
30°	479.2	457.2	411.4	389.7	374.0	323.7	318.8	325.8	324.0	317.9	312.5
32.5°	601.5	592.5	565.7	486.4	436.7	407.7	393.6	372.2	362.2	427.0	431.5
35°	729.3	720.9	655.2	609.0	523.8	476.8	468.9	471.9	458.7	490.3	482.8
37.5°	954.1	949.9	883.9	740.7	651.5	559.6	548.8	545.2	524.4	547.3	547.6
40°	1098.5	1091.5	1018.6	913.1	769.4	692.8	640.1	619.3	613.9	615.1	615.4
42.5°	1205.7	1194.6	1152.1	1055.1	905.0	815.2	740.7	700.7	711.5	690.4	689.2
45°	1275.4	1269.3	1230.8	1149.7	1045.7	1001.1	869.4	779.0	815.5	777.8	776.0
47.5°	1291.0	1288.3	1261.5	1220.8	1177.4	1158.7	1024.6	886.3	919.8	903.2	869.4
50°	1222.9	1225.3	1215.4	1230.2	1277.5	1298.9	1188.3	1028.5	1046.9	1007.4	964.4
52.5°	1074.0	1073.7	1109.9	1175.3	1314.2	1399.8	1339.8	1176.5	1175.6	1104.2	1055.4
55°	862.2	878.5	939.6	1041.2	1263.9	1446.2	1483.6	1339.2	1313.9	1217.2	1136.4
57.5°	657.0	678.1	753.1	845.3	1120.8	1413.4	1588.2	1480.6	1454.4	1319.1	1222.3
60°	444.5	452.6	547.3	654.0	891.4	1287.1	1637.3	1608.1	1579.1	1423.0	1309.1
62.5°	296.2	303.5	357.7	487.6	639.2	1046.0	1605.6	1715.6	1677.4	1546.0	1399.8
65°	197.1	197.1	223.9	313.7	434.9	726.3	1467.0	1760.5	1725.9	1617.1	1480.3
67.5°	145.3	147.7	156.4	202.2	296.2	434.6	1166.9	1677.7	1681.3	1625.2	1505.9
70°	131.7	133.2	140.7	152.5	211.6	258.6	771.2	1437.2	1499.6	1563.8	1473.1
72.5°	115.1	115.7	127.8	140.4	166.7	198.3	448.4	1044.5	1175.6	1430.0	1382.6
75°	96.4	97.3	107.0	126.0	144.1	166.4	238.7	635.9	766.4	1227.7	1263.0
77.5°	78.4	80.5	88.3	103.1	132.3	139.5	183.2	363.4	443.9	914.3	1067.7
80°	60.3	62.4	69.3	81.1	108.2	123.3	152.2	223.6	269.1	568.4	746.2
82.5°	41.3	42.8	49.7	58.5	77.4	102.8	126.0	164.8	178.1	311.0	411.7
85°	29.2	30.1	34.7	38.6	48.2	67.5	105.2	130.8	134.4	164.8	167.6
87.5°	16.6	16.3	16.9	19.6	22.0	26.2	62.1	95.8	100.4	114.8	106.7
90°	11.5	11.2	9.3	9.0	10.2	11.2	35.3	76.2	80.2	92.5	94.9
92.5°	12.1	11.5	9.0	8.4	9.6	10.2	23.5	66.6	75.0	92.5	97.6
95°	11.5	10.8	8.1	7.2	8.7	9.0	14.5	45.8	59.1	86.5	95.5
97.5°	9.9	9.3	6.6	6.0	7.2	7.2	8.1	21.1	28.9	40.4	45.5
100°	8.1	7.5	5.4	4.8	5.1	5.4	5.1	10.5	10.5	11.2	8.7
102.5°	7.2	6.9	4.5	3.9	3.6	3.6	3.3	5.1	5.4	6.0	7.5
105°	6.3	6.0	3.9	3.3	2.7	2.7	2.4	3.3	3.6	5.1	7.2
107.5°	4.5	4.5	3.3	2.7	2.4	2.4	1.8	2.7	3.0	4.5	7.5
110°	3.0	3.0	2.4	2.4	2.1	2.4	1.8	2.7	2.7	3.6	5.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	2.4	2.4	2.1	1.8	1.5	1.8	2.1	2.4	2.4	2.7	3.6
115°	2.4	2.1	1.8	1.5	1.2	1.5	1.5	2.1	2.1	2.7	3.6
117.5°	2.4	2.4	1.8	1.5	1.2	1.2	1.5	1.8	1.8	2.7	3.9
120°	2.4	2.4	1.8	1.5	1.2	0.9	1.2	1.8	1.8	2.4	3.6
122.5°	2.4	2.4	1.8	1.5	1.2	0.9	1.2	1.5	1.5	2.1	3.6
125°	2.7	2.7	2.1	1.5	1.2	0.9	1.2	1.2	1.2	2.1	3.3
127.5°	2.7	2.7	2.1	1.5	1.2	0.9	1.2	1.2	1.2	1.8	2.7
130°	2.7	2.7	2.1	1.5	1.2	0.9	1.2	0.9	0.9	1.5	2.4
132.5°	2.7	2.4	2.1	1.8	1.5	1.2	1.2	0.9	0.9	0.9	1.8
135°	2.4	2.4	2.1	1.8	1.5	1.2	1.2	0.9	0.9	0.9	1.2
137.5°	2.4	2.4	2.4	2.1	1.8	1.5	1.2	0.9	0.9	0.9	0.9
140°	2.7	2.7	2.7	2.4	1.8	1.5	1.2	0.9	0.9	0.9	0.9
142.5°	3.0	3.0	3.0	2.7	1.8	1.5	1.5	0.9	0.9	0.9	0.9
145°	3.3	3.3	3.3	2.7	1.8	1.5	1.5	1.2	1.2	0.9	1.2
147.5°	3.6	3.6	3.3	2.7	1.5	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.3	3.0	3.0	2.1	1.2	0.6	0.9	0.9	0.9	1.2	1.2
152.5°	2.4	2.4	2.1	1.5	0.9	0.3	0.6	0.6	0.9	0.9	0.9
155°	1.5	1.5	1.2	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	1.2	1.2	1.5	1.8	1.8	2.1	2.1	2.1	2.1	2.1	2.1
5°	1.2	1.2	1.5	1.8	2.1	2.4	2.7	2.7	2.7	3.0	3.0
7.5°	1.5	1.5	1.5	2.1	2.4	3.3	9.0	27.1	41.9	43.1	43.7
10°	3.0	3.0	3.0	3.0	6.6	38.6	47.9	50.0	51.2	52.1	52.1
12.5°	40.4	40.1	14.5	7.2	33.1	50.0	53.0	54.5	55.8	56.7	57.0
15°	82.0	82.3	82.3	83.2	60.3	54.5	57.6	85.0	100.7	103.7	104.9
17.5°	89.8	89.8	89.5	99.8	112.1	88.6	98.8	107.9	110.9	112.4	113.0
20°	163.9	163.6	132.0	114.5	118.4	147.1	110.6	114.8	117.2	139.8	140.4
22.5°	180.8	179.9	176.0	176.9	139.5	159.1	151.6	147.1	161.2	160.6	161.2
25°	222.1	200.4	192.0	190.2	202.2	165.4	175.7	152.2	155.8	155.2	155.8
27.5°	290.8	283.0	263.4	222.7	215.5	204.3	176.0	159.7	179.6	184.1	184.7
30°	311.9	302.0	281.2	283.0	240.2	207.9	171.5	176.9	170.0	169.4	168.2
32.5°	427.6	414.7	383.3	308.6	267.6	195.3	172.4	160.9	164.5	176.6	177.2
35°	476.5	461.7	439.7	393.9	259.5	191.7	157.6	157.0	159.4	159.7	159.1
37.5°	531.9	512.6	491.8	415.0	270.9	173.6	147.1	147.4	152.8	163.3	162.1
40°	596.4	575.0	541.2	427.3	243.2	162.7	140.1	144.7	150.4	148.0	145.9
42.5°	669.0	634.1	581.0	424.9	211.6	150.1	138.3	141.3	140.4	135.9	134.7
45°	744.1	707.0	619.9	404.7	182.9	141.9	135.0	135.9	132.3	126.6	125.4
47.5°	830.6	781.7	641.9	375.2	160.0	141.3	134.1	131.1	124.2	119.0	118.7
50°	917.6	864.3	676.3	335.7	142.8	138.9	136.2	129.9	121.4	116.3	115.7
52.5°	1002.9	956.2	713.3	302.6	129.9	136.2	137.1	130.5	121.4	113.9	113.6
55°	1088.5	1047.5	753.4	276.3	121.1	135.9	140.4	132.3	123.3	112.1	111.8
57.5°	1174.4	1134.6	792.0	258.9	117.2	132.0	142.5	138.0	128.1	118.7	119.3
60°	1276.3	1229.3	837.5	246.5	115.7	129.9	144.4	144.7	131.1	120.5	122.1
62.5°	1376.3	1328.7	876.1	235.1	111.8	127.8	145.3	149.8	137.7	128.7	130.2
65°	1469.4	1412.8	893.8	213.1	107.0	125.4	150.7	154.3	142.8	141.9	143.7
67.5°	1505.0	1452.3	876.4	185.6	104.0	125.4	156.4	160.6	148.3	153.1	157.9
70°	1470.6	1426.6	832.4	151.3	104.9	126.3	157.3	163.6	156.1	160.0	164.2
72.5°	1364.0	1307.9	725.4	121.7	104.9	125.1	153.4	158.8	153.1	166.0	170.3
75°	1229.3	1131.6	577.4	100.4	101.9	124.5	144.4	150.7	145.0	158.5	163.0
77.5°	1015.3	890.2	399.3	88.6	97.6	119.0	135.0	136.2	130.5	138.6	140.7
80°	716.0	600.0	252.8	80.2	93.4	107.6	119.6	117.5	111.8	113.3	115.1
82.5°	399.3	317.3	147.4	73.8	87.7	89.5	97.9	98.5	91.0	91.3	91.6
85°	158.5	146.8	99.8	62.1	70.8	64.5	73.2	76.2	69.0	60.6	58.8
87.5°	105.2	99.8	69.6	42.5	43.4	36.5	47.6	49.4	40.7	35.3	35.0
90°	100.1	97.0	60.0	28.6	24.1	19.9	26.5	25.6	19.6	17.2	17.5
92.5°	103.1	101.3	60.9	27.4	23.5	19.0	23.5	20.2	14.8	13.0	13.3
95°	101.6	100.7	59.4	26.8	22.3	17.5	19.9	16.3	11.5	10.2	10.2
97.5°	48.2	50.9	36.8	24.1	19.9	14.8	15.4	12.4	8.1	7.5	7.2
100°	7.2	11.5	19.9	22.3	14.8	10.2	9.9	8.1	5.1	4.8	4.8
102.5°	7.5	8.1	12.4	15.4	8.1	5.4	5.4	4.8	3.9	4.5	4.5
105°	8.1	7.5	7.2	8.4	4.8	3.3	3.0	3.0	3.3	4.8	5.1
107.5°	8.7	8.1	5.7	4.5	3.6	3.0	2.4	2.1	3.0	5.1	5.4
110°	6.6	6.3	4.8	3.6	3.6	3.3	2.1	2.1	3.3	5.4	6.0



REPORT NUMBER: P414318

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	4.5	4.2	3.3	3.0	3.0	2.1	2.1	3.3	5.7	6.3
115°	4.2	4.2	3.6	2.7	2.4	2.4	2.1	1.8	3.3	6.0	6.3
117.5°	4.2	4.2	3.6	2.7	2.1	1.8	1.8	1.8	3.3	6.0	6.3
120°	4.2	4.2	3.6	2.4	2.1	1.8	1.8	1.8	3.3	5.7	6.3
122.5°	3.9	3.9	3.3	2.4	1.8	1.8	1.8	1.8	3.3	5.4	5.7
125°	3.6	3.6	3.0	2.1	1.8	1.5	1.8	1.8	3.0	4.8	5.1
127.5°	3.0	3.3	2.7	2.1	1.8	1.5	1.8	1.8	2.7	4.2	4.5
130°	2.7	2.7	2.4	1.8	1.5	1.5	1.8	1.8	2.7	3.9	4.2
132.5°	2.1	2.1	1.8	1.8	1.5	1.5	1.5	1.5	2.1	3.3	3.3
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	2.4	2.7
137.5°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1	2.1
140°	0.9	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8
142.5°	0.9	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.8	2.1	2.1
145°	1.2	1.2	1.5	1.5	1.5	1.2	1.5	1.5	1.8	2.1	2.1
147.5°	1.2	1.2	1.5	1.5	1.5	1.2	1.2	1.5	1.8	2.1	2.1
150°	1.2	1.2	1.5	1.5	1.2	0.9	1.2	1.2	1.5	2.1	2.1
152.5°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.5	1.5
155°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	1.2
157.5°	0.6	0.6	0.6	0.9	0.6	0.6	0.3	0.3	0.3	0.6	0.6
160°	0.3	0.3	0.6	0.6	0.6	0.6	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)