

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: P414337

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
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-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2540 lumens  
Efficiency: N/A  
Efficacy: 121.0 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 - G2

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

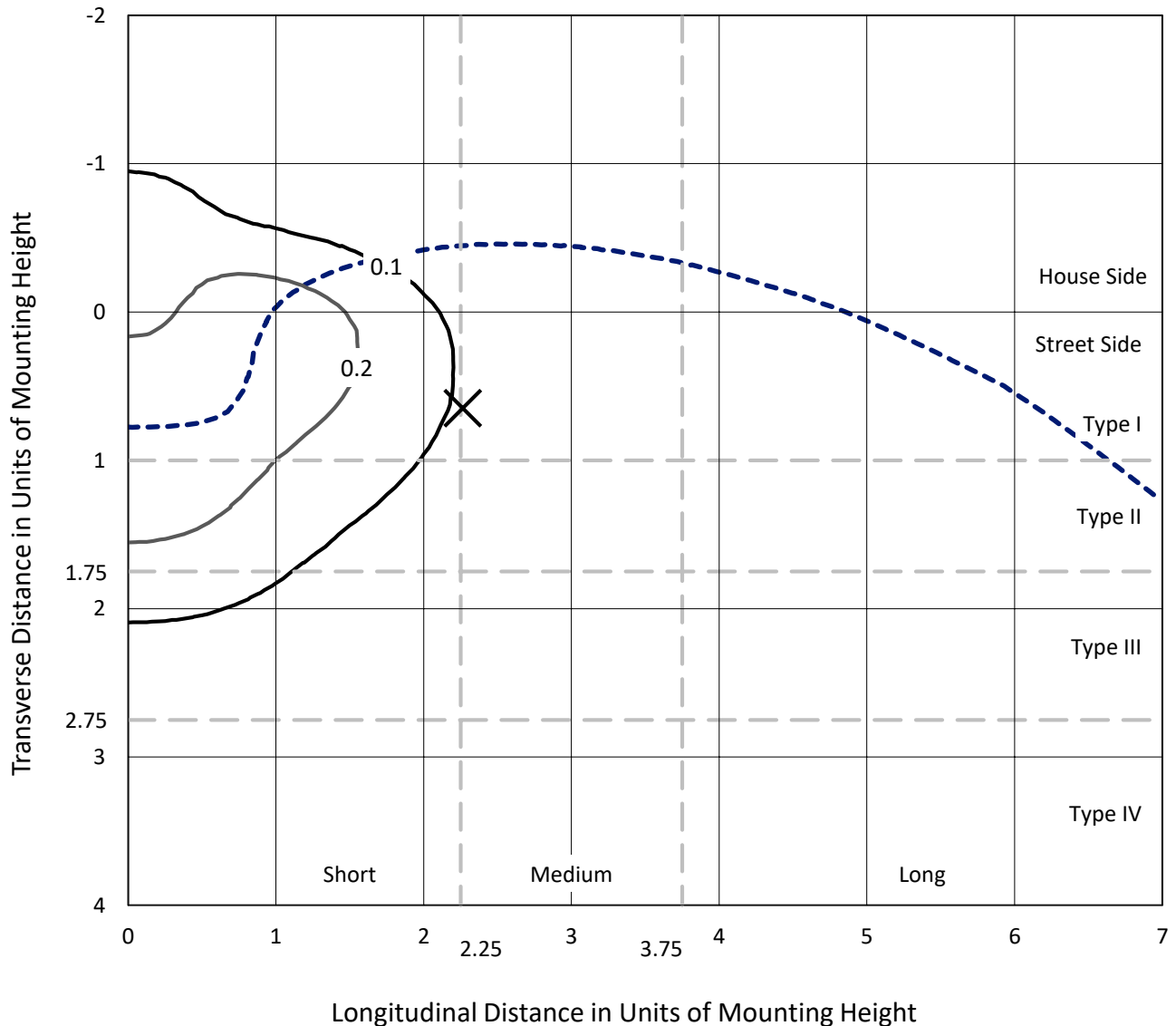


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

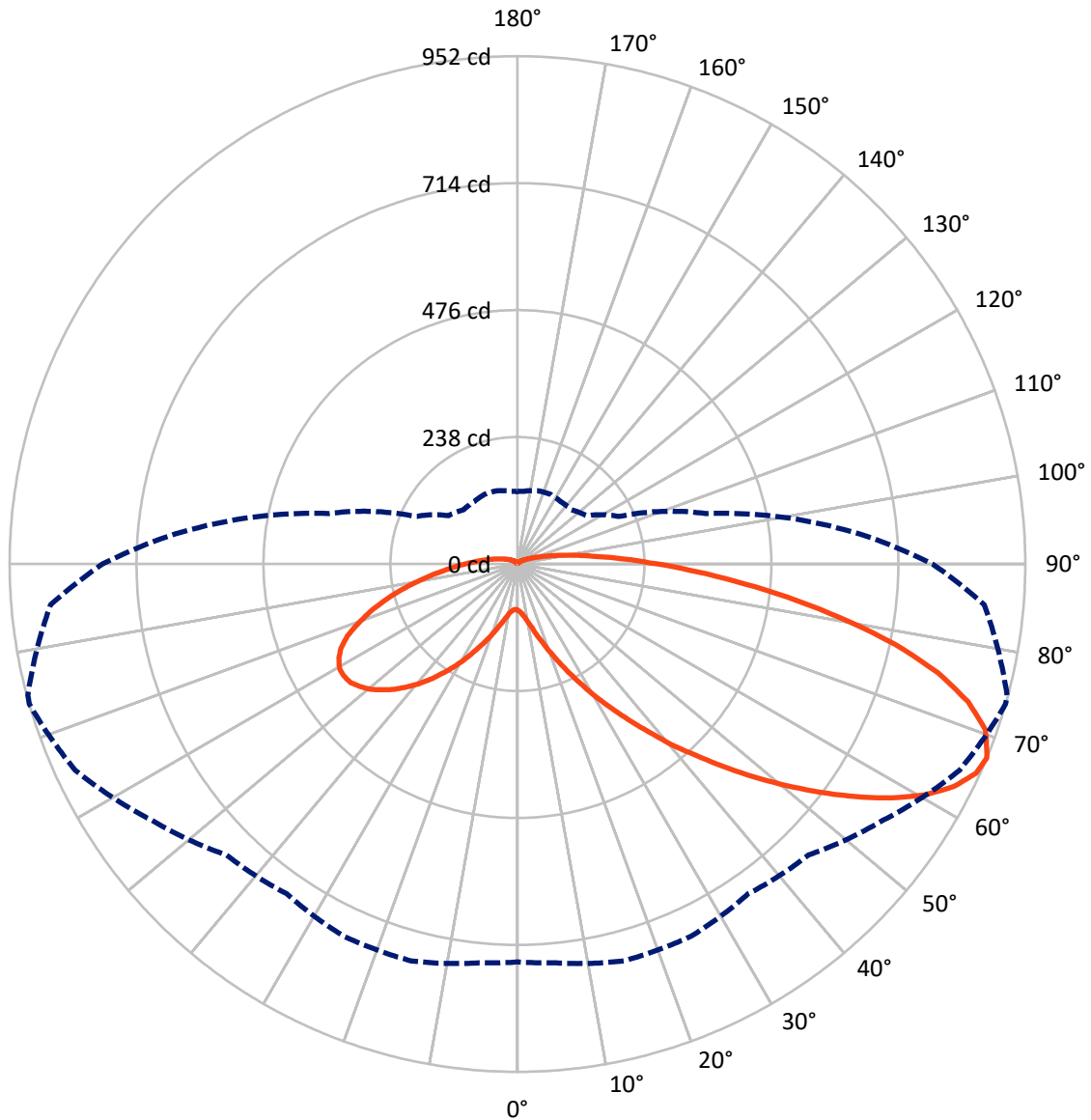


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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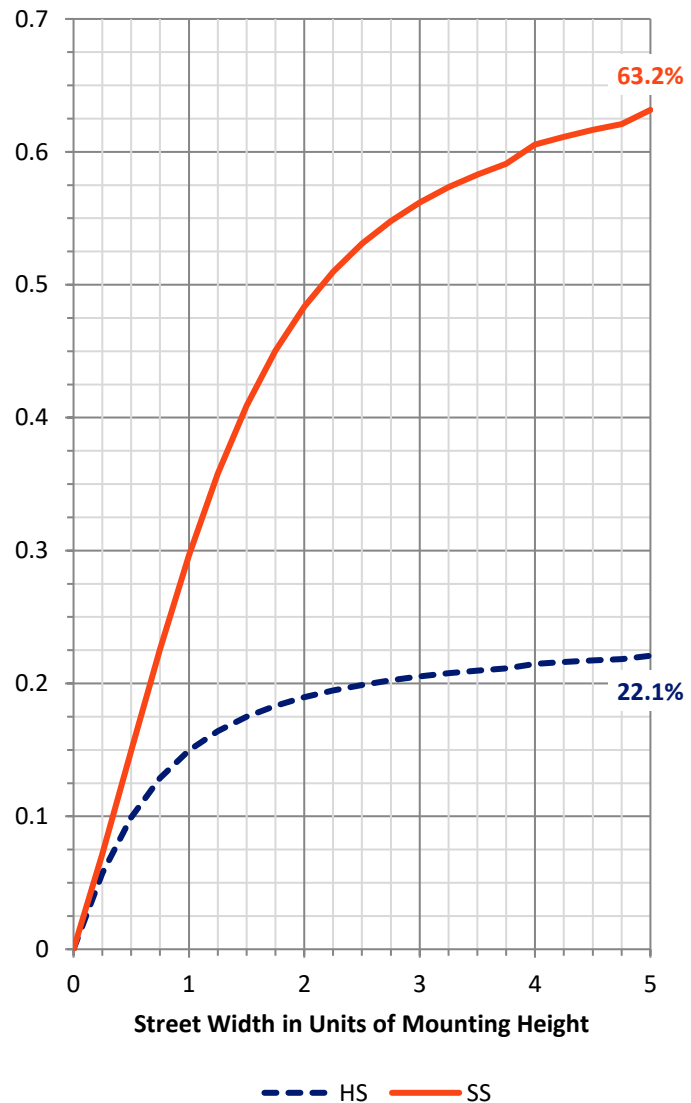
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	592.3	71.2	663.5
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	1714.1	162.4	1876.5
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	2306.4	233.6	2540.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.4
10°-20°	37.0	1.5
20°-30°	91.9	3.6
30°-40°	179.5	7.1
40°-50°	296.9	11.7
50°-60°	430.3	16.9
60°-70°	520.8	20.5
70°-80°	463.0	18.2
80°-90°	278.1	10.9
90°-100°	127.7	5.0
100°-110°	56.8	2.2
110°-120°	27.1	1.1
120°-130°	13.5	0.5
130°-140°	6.1	0.2
140°-150°	2.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2306.4	90.8
0°-180°	2540.0	100.0



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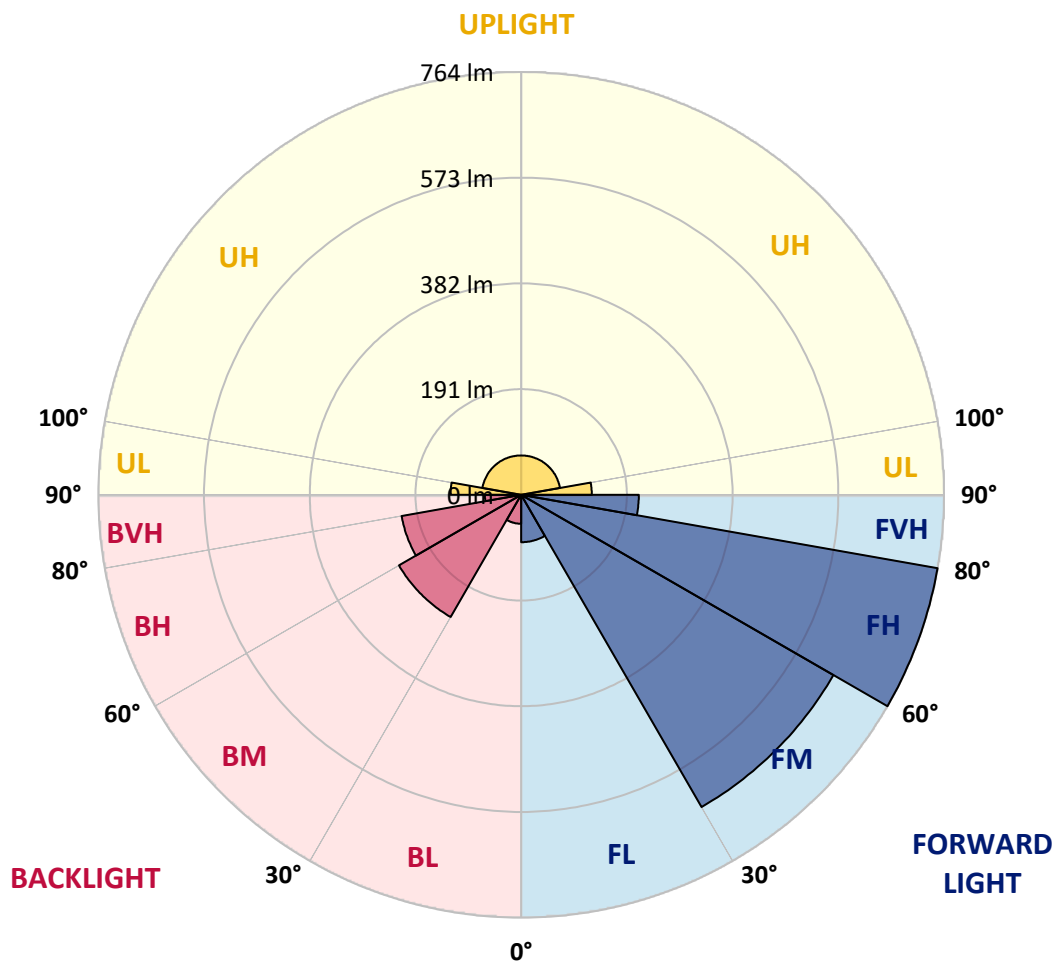
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.6	3.4			
FM	(30°-60°)	651.7	25.7			
FH	(60°-80°)	764.2	30.1			G1/1800
FVH	(80°-90°)	212.6	8.4			G2/225
BL	(0°-30°)	52.3	2.1	B0/110		
BM	(30°-60°)	255.0	10.0	B1/1000		
BH	(60°-80°)	219.5	8.6	B1/500		G1/500
BVH	(80°-90°)	65.5	2.6			G1/100
UL	(90°-100°)	127.7	5.0		U3/500	
UH	(100°-180°)	71.2	2.8		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2.5°	95.6	94.6	94.6	94.0	93.7	92.8	92.2	90.1	89.2	89.2	87.7
5°	105.8	105.2	104.0	104.0	102.8	101.6	99.2	96.5	94.3	94.0	91.3
7.5°	118.5	117.0	117.0	115.4	113.6	111.5	108.2	104.6	101.3	101.0	96.8
10°	132.9	132.3	131.7	129.6	127.2	123.0	120.0	114.8	110.9	110.6	104.9
12.5°	150.7	149.8	148.0	145.9	141.7	138.7	133.2	127.5	122.4	122.7	116.0
15°	170.0	169.4	168.2	164.9	160.1	155.8	150.4	144.4	139.3	137.1	130.2
17.5°	192.0	190.8	189.3	185.7	180.3	176.0	168.8	163.1	156.4	156.7	146.8
20°	217.9	216.7	214.6	208.9	204.1	198.3	190.8	184.5	176.9	176.3	166.4
22.5°	243.6	244.2	239.0	233.0	228.5	221.9	214.6	206.5	199.8	199.2	187.8
25°	275.2	273.1	268.0	261.0	254.1	246.0	239.6	232.4	226.1	225.5	211.9
27.5°	308.4	306.6	299.6	290.9	281.5	272.5	267.1	259.5	254.7	253.8	239.9
30°	344.5	341.5	335.2	323.4	310.5	300.2	294.8	292.1	287.6	286.4	272.2
32.5°	385.2	381.3	372.0	357.8	339.1	327.7	325.2	322.8	321.0	319.2	305.9
35°	425.6	424.4	410.5	393.1	374.7	359.6	355.4	359.3	358.1	356.9	342.7
37.5°	468.1	470.2	455.2	432.2	406.9	391.0	387.9	395.2	398.5	398.5	381.6
40°	518.2	516.3	501.3	473.2	443.7	425.0	425.9	436.8	444.9	443.1	426.5
42.5°	567.9	564.0	544.1	516.6	479.3	460.6	460.6	477.2	489.5	489.8	472.3
45°	616.7	612.5	593.8	557.9	517.2	497.1	501.3	521.5	541.7	539.0	521.8
47.5°	661.3	659.5	640.2	601.9	556.1	535.0	543.5	573.6	595.6	595.6	576.6
50°	705.0	702.6	684.5	641.4	595.3	574.5	587.2	624.0	652.0	653.5	631.5
52.5°	742.7	741.2	724.3	681.5	633.9	612.8	631.8	677.9	710.2	713.5	690.3
55°	769.8	770.7	757.8	717.1	668.9	651.4	677.3	731.6	769.8	770.4	745.4
57.5°	789.7	790.9	782.2	746.9	699.6	686.3	721.3	783.4	826.8	829.5	796.7
60°	798.2	800.3	797.6	768.0	727.0	718.6	760.8	829.8	878.1	879.0	839.5
62.5°	793.7	795.8	801.2	780.1	746.9	746.6	799.1	870.2	918.1	919.4	872.0
65°	773.2	776.5	790.0	780.1	754.2	764.1	824.4	901.3	944.4	945.9	884.7
67°	745.7	750.0	769.8	769.5	754.2	771.1	836.8	914.2	951.6	949.8	878.1
67.5°	739.4	743.6	763.5	766.5	752.1	772.0	838.3	915.7	948.9	948.6	873.8
70°	685.7	693.3	722.2	736.7	736.4	764.7	837.7	907.6	930.5	927.5	838.6
72.5°	624.0	633.3	668.6	696.3	705.3	742.1	815.7	875.3	882.9	879.3	772.6
75°	560.4	565.5	602.3	641.7	664.6	703.8	774.4	824.1	813.6	804.8	690.0
77.5°	493.1	495.2	536.2	580.5	608.3	653.5	712.9	749.0	723.1	715.9	595.9
80°	415.1	423.8	464.8	510.9	545.3	586.3	636.3	658.0	614.6	608.0	495.8
82.5°	351.2	356.6	394.0	439.2	477.8	516.3	548.9	554.6	509.1	504.3	398.5
85°	286.7	291.5	330.7	372.6	408.7	441.0	462.7	454.3	406.9	401.8	315.0
87.5°	237.2	240.8	268.0	310.5	342.4	365.6	377.1	366.5	321.3	314.1	243.3
90°	188.1	193.5	217.9	253.8	286.4	301.4	302.6	285.1	248.1	242.6	186.3
92.5°	151.9	155.5	178.7	208.6	234.2	245.7	242.6	227.9	193.8	187.5	144.1
95°	123.0	126.0	145.3	171.5	192.3	202.9	194.4	174.8	148.0	145.6	111.2
97.5°	102.2	102.8	117.9	141.4	157.9	163.4	156.7	139.0	115.7	110.9	85.3
100°	83.5	84.1	96.8	114.5	129.6	133.2	126.6	109.4	89.8	86.8	66.9
102.5°	67.8	69.3	79.0	94.9	106.1	108.8	101.9	86.8	69.3	67.2	52.1
105°	57.6	57.9	66.3	78.4	88.3	90.4	83.5	70.5	54.6	53.4	41.6
107.5°	48.8	48.8	55.5	66.0	73.8	75.1	69.6	57.6	43.1	41.9	33.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	41.9	42.2	47.0	55.5	62.7	63.6	58.2	46.1	34.4	33.5	27.4
112.5°	36.5	37.1	40.4	47.0	53.4	54.3	48.8	37.7	28.0	26.8	22.9
115°	32.3	32.6	35.0	40.4	45.5	46.1	40.7	31.0	22.6	21.7	19.3
117.5°	28.6	28.9	30.7	35.3	39.2	39.5	34.1	25.6	19.0	18.1	16.9
120°	25.9	25.9	27.4	30.4	33.8	33.8	28.6	21.1	15.7	15.4	14.5
122.5°	23.5	23.5	24.4	26.5	28.9	28.3	23.8	17.5	13.3	13.0	12.7
125°	21.4	21.4	22.0	23.2	24.7	23.8	19.6	14.5	11.5	11.2	11.2
127.5°	19.3	19.3	19.6	20.5	20.8	19.9	16.3	12.1	9.9	9.6	9.9
130°	17.5	17.5	17.5	17.5	17.5	16.9	13.3	9.9	8.4	8.4	8.7
132.5°	15.7	15.7	15.4	15.1	14.8	13.6	10.9	8.1	7.5	7.5	7.8
135°	13.9	13.9	13.6	13.0	12.1	10.5	8.1	6.6	6.3	6.3	6.6
137.5°	12.1	12.1	11.8	10.9	9.6	8.1	6.3	5.4	5.4	5.4	5.7
140°	10.2	10.2	9.9	9.0	7.5	6.0	4.8	4.2	4.5	4.5	4.8
142.5°	8.7	8.4	8.1	7.2	5.7	4.2	3.3	3.3	3.6	3.6	3.9
145°	6.9	6.6	6.3	5.4	4.2	3.0	2.4	2.4	2.7	2.7	3.0
147.5°	5.4	5.1	4.8	3.9	3.0	2.1	1.5	1.8	2.1	2.1	2.1
150°	3.6	3.6	3.6	3.0	1.8	1.2	0.9	1.2	1.2	1.2	1.5
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.6	0.6	0.9	0.9	0.9
155°	1.5	1.5	1.5	1.2	0.6	0.3	0.3	0.3	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.6	0.6	0.6	0.3	0.0	0.0	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°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2.5°	87.1	86.5	85.3	84.4	83.5	82.6	81.7	81.1	80.2	80.2	80.2
5°	90.1	88.6	86.2	84.4	82.3	80.8	79.0	77.8	76.9	76.6	76.6
7.5°	95.3	93.1	89.5	85.9	82.9	80.5	78.4	76.9	75.7	75.4	75.4
10°	102.5	99.8	94.0	89.8	85.9	82.6	79.9	77.8	76.9	76.3	76.3
12.5°	113.0	109.4	102.8	95.6	90.4	86.2	82.9	82.0	82.0	82.3	82.0
15°	125.7	122.1	113.0	104.6	97.1	92.2	90.4	90.4	90.1	90.7	90.7
17.5°	141.7	136.5	125.7	114.5	105.8	101.3	99.5	98.9	99.5	100.4	99.8
20°	160.7	153.1	139.6	125.7	116.4	111.8	108.8	108.2	109.1	109.7	110.0
22.5°	180.6	172.4	155.2	137.5	127.8	121.8	118.5	117.6	119.1	120.6	120.9
25°	203.2	194.1	172.1	151.6	138.1	129.9	126.9	126.6	129.0	131.1	131.1
27.5°	230.6	218.5	190.5	167.0	149.5	138.7	135.3	135.6	139.0	140.8	141.4
30°	259.2	245.7	211.6	181.2	158.6	145.6	142.0	143.5	146.8	150.4	151.0
32.5°	291.5	275.5	232.1	195.3	166.7	151.0	147.1	150.1	153.7	157.9	158.6
35°	325.2	303.8	253.2	208.3	173.3	155.2	150.7	154.3	158.9	162.8	164.0
37.5°	363.5	338.2	276.1	218.8	178.4	157.6	152.8	157.0	162.2	166.1	166.4
40°	402.7	373.5	297.8	228.8	182.1	159.2	154.0	158.2	163.1	166.4	166.7
42.5°	443.7	409.3	318.0	236.9	183.9	159.2	153.4	157.6	162.2	164.0	164.3
45°	491.6	447.3	338.8	242.6	184.5	158.6	152.5	155.8	159.2	159.8	160.7
47.5°	539.9	485.0	356.6	246.9	184.2	157.0	151.0	153.7	155.8	155.2	156.1
50°	590.8	526.0	373.8	249.6	182.7	155.5	148.9	151.3	151.9	150.1	150.1
52.5°	639.6	561.6	387.0	249.9	180.6	153.7	147.4	149.2	148.9	145.6	145.9
55°	688.5	599.5	398.2	247.2	177.5	151.9	145.9	147.1	146.2	142.3	141.7
57.5°	730.4	630.3	403.0	243.3	174.2	150.1	145.0	146.2	144.4	139.9	139.6
60°	765.9	654.1	403.3	237.8	170.3	148.6	144.1	145.6	144.1	138.7	138.1
62.5°	787.9	664.9	395.5	229.4	166.4	146.8	144.1	145.3	143.5	138.1	137.8
65°	791.5	659.5	382.8	219.7	161.9	145.0	143.5	145.0	143.2	137.5	136.8
67°	777.4	643.8	365.6	210.7	157.9	143.5	142.3	144.4	142.3	136.8	135.9
67.5°	772.6	636.6	361.7	209.5	157.0	142.9	142.0	143.8	142.0	136.5	135.6
70°	730.4	597.1	332.2	196.2	151.3	139.9	139.9	141.4	139.6	134.4	132.9
72.5°	665.2	541.7	302.6	183.6	145.0	135.3	136.2	137.8	135.9	131.1	129.3
75°	589.9	479.3	269.8	168.8	137.8	130.8	131.4	132.9	131.1	126.0	124.5
77.5°	506.1	407.2	236.6	155.2	130.2	124.8	125.1	126.0	124.5	119.4	117.9
80°	416.3	335.8	202.9	139.9	121.5	117.3	117.6	117.6	115.4	111.2	110.0
82.5°	335.5	272.8	173.0	126.3	111.8	108.8	108.8	108.5	105.8	102.2	100.4
85°	261.0	220.0	145.0	112.4	102.2	99.5	99.2	98.0	95.3	91.3	89.2
87.5°	204.7	174.2	122.1	99.2	92.5	90.7	88.9	86.2	84.1	80.8	79.0
90°	159.8	138.4	103.1	87.1	83.2	80.8	79.0	75.7	72.3	69.0	68.1
92.5°	125.1	109.4	85.9	76.0	73.5	71.7	69.3	65.7	62.7	58.8	59.1
95°	99.2	88.9	73.2	66.9	65.1	63.6	60.6	56.7	53.4	49.7	49.1
97.5°	77.8	70.8	61.5	58.2	57.6	55.8	52.7	48.8	45.2	41.3	41.3
100°	61.8	57.9	51.8	51.2	50.0	48.8	45.8	42.2	37.7	34.4	34.4
102.5°	49.7	46.4	44.3	44.3	44.0	42.8	39.8	36.2	31.6	28.3	28.3
105°	39.8	38.6	37.7	38.6	38.9	37.7	34.7	30.7	26.2	23.2	23.8
107.5°	33.2	32.3	32.3	33.5	34.1	32.9	30.1	25.9	21.7	19.6	19.6



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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.4	27.1	27.7	29.2	29.5	28.6	25.9	22.0	18.1	16.3	16.6
112.5°	23.2	22.9	24.1	25.6	25.9	25.0	22.3	18.7	15.1	13.9	13.9
115°	19.6	19.9	20.8	22.0	22.6	21.7	19.3	16.0	12.4	11.8	11.8
117.5°	16.9	17.2	18.1	19.6	19.9	18.7	16.3	13.3	10.5	10.2	10.2
120°	14.8	15.1	16.0	16.9	17.2	16.0	13.9	11.2	9.0	8.7	8.7
122.5°	13.0	13.6	14.2	14.8	15.1	13.9	12.1	9.3	7.5	7.5	7.8
125°	11.5	11.8	12.4	13.0	13.0	11.8	9.9	7.8	6.6	6.6	6.6
127.5°	10.2	10.2	10.5	11.2	11.2	10.2	8.4	6.3	5.7	5.7	6.0
130°	9.0	9.3	9.3	9.3	9.3	8.4	6.9	5.4	4.8	5.1	5.1
132.5°	7.8	8.1	8.1	8.1	7.8	6.9	5.7	4.5	4.2	4.5	4.5
135°	6.9	6.9	6.9	6.9	6.3	5.7	4.5	3.6	3.6	3.9	3.9
137.5°	6.0	6.0	6.0	5.7	5.1	4.5	3.6	3.0	3.0	3.3	3.3
140°	4.8	5.1	4.8	4.5	3.9	3.3	2.7	2.4	2.7	2.7	2.7
142.5°	3.9	3.9	3.9	3.6	3.0	2.4	2.1	1.8	2.1	2.1	2.4
145°	3.0	3.0	3.0	2.7	2.1	1.5	1.5	1.5	1.8	1.8	1.8
147.5°	2.1	2.1	2.1	1.8	1.2	0.9	0.9	0.9	1.2	1.2	1.2
150°	1.5	1.5	1.5	1.2	0.6	0.3	0.3	0.6	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.6	0.6	0.3	0.3
155°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.0	0.0
157.5°	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0
160°	0.3	0.3	0.3	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)