

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: P414891

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2848 lumens  
Efficiency: N/A  
Efficacy: 91.9 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

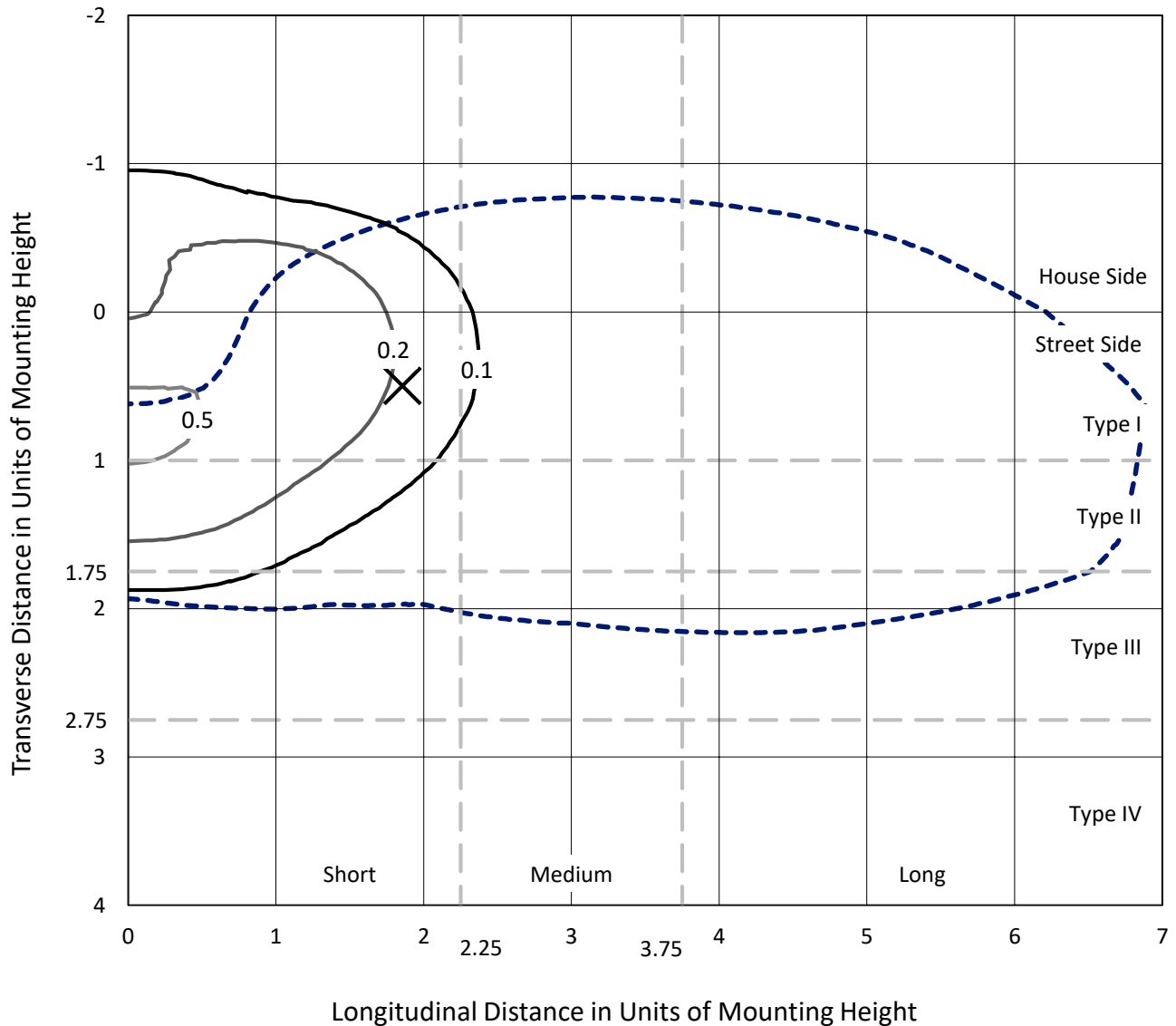


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

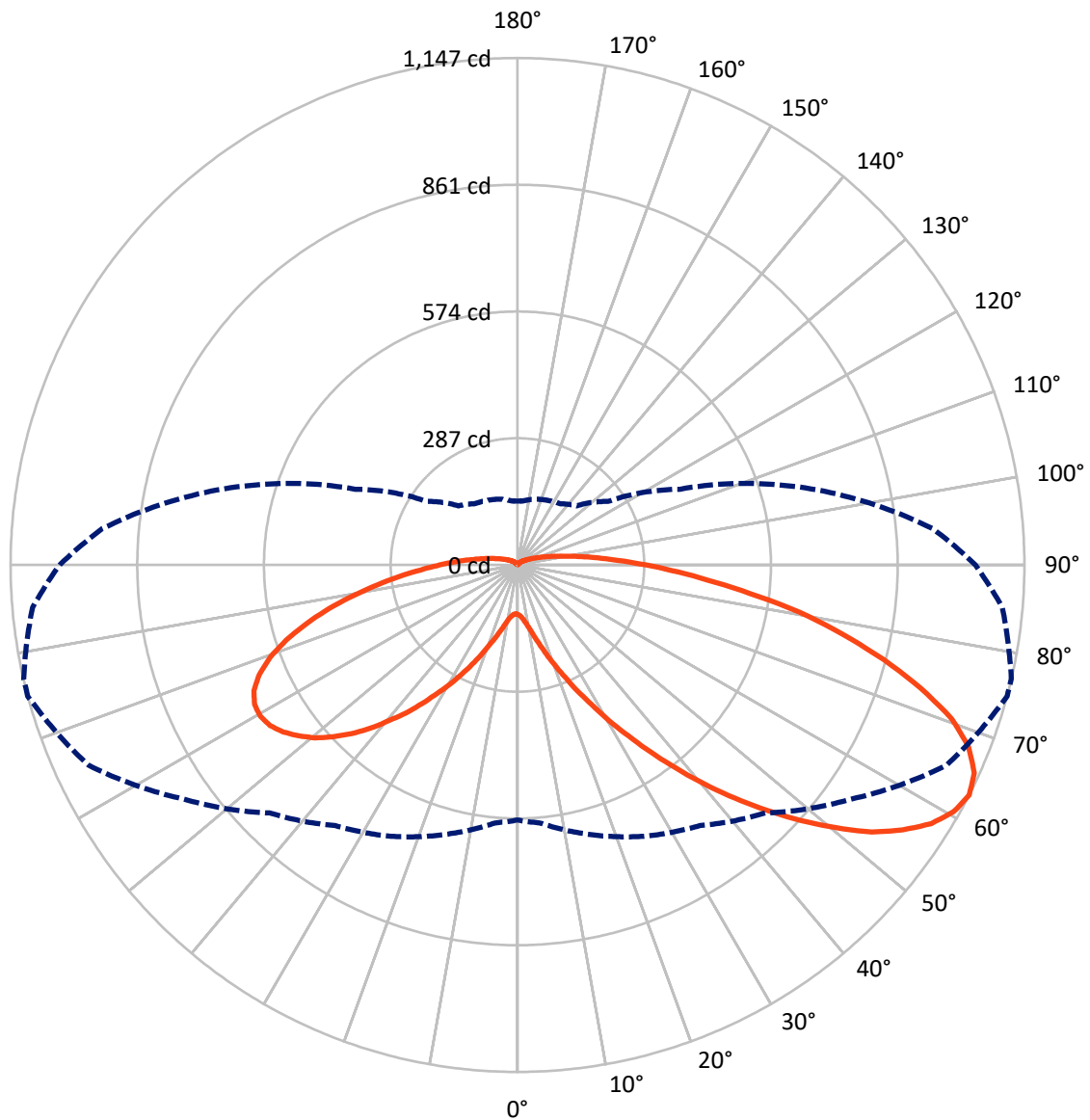


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



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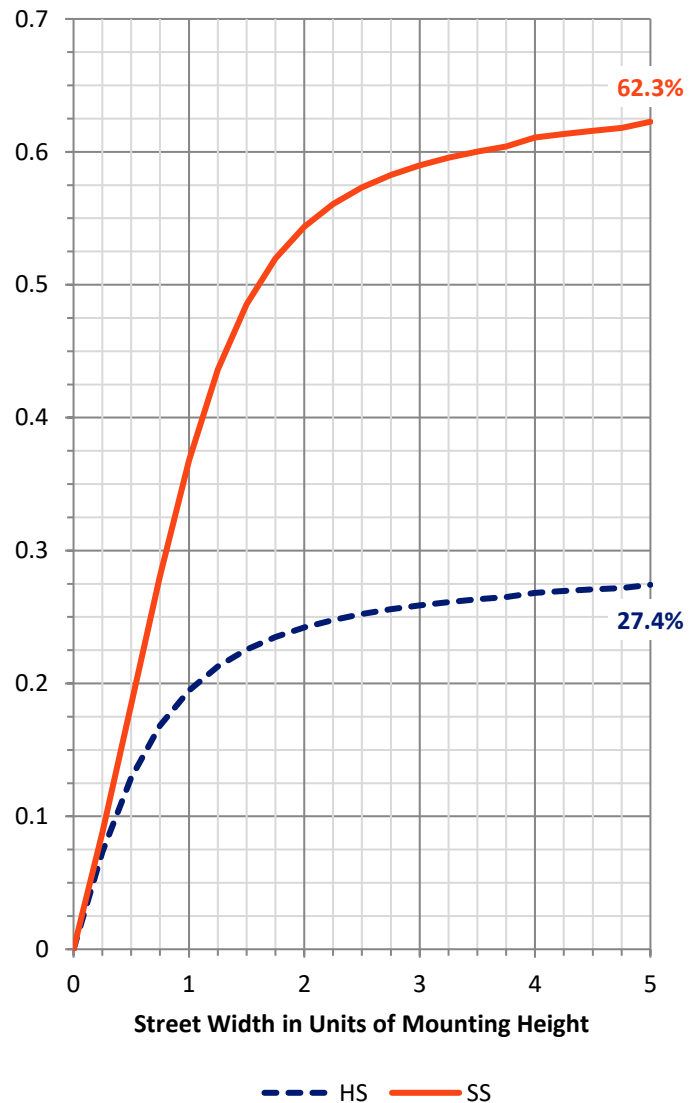
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.5	86.6	901.1
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	1828.0	118.9	1946.9
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	2642.5	205.5	2848.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.8	0.4
10°-20°	49.5	1.7
20°-30°	128.2	4.5
30°-40°	262.4	9.2
40°-50°	435.2	15.3
50°-60°	564.6	19.8
60°-70°	556.0	19.5
70°-80°	408.6	14.3
80°-90°	226.1	7.9
90°-100°	106.8	3.7
100°-110°	51.0	1.8
110°-120°	26.0	0.9
120°-130°	13.5	0.5
130°-140°	6.2	0.2
140°-150°	1.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2642.5	92.8
0°-180°	2848.0	100.0



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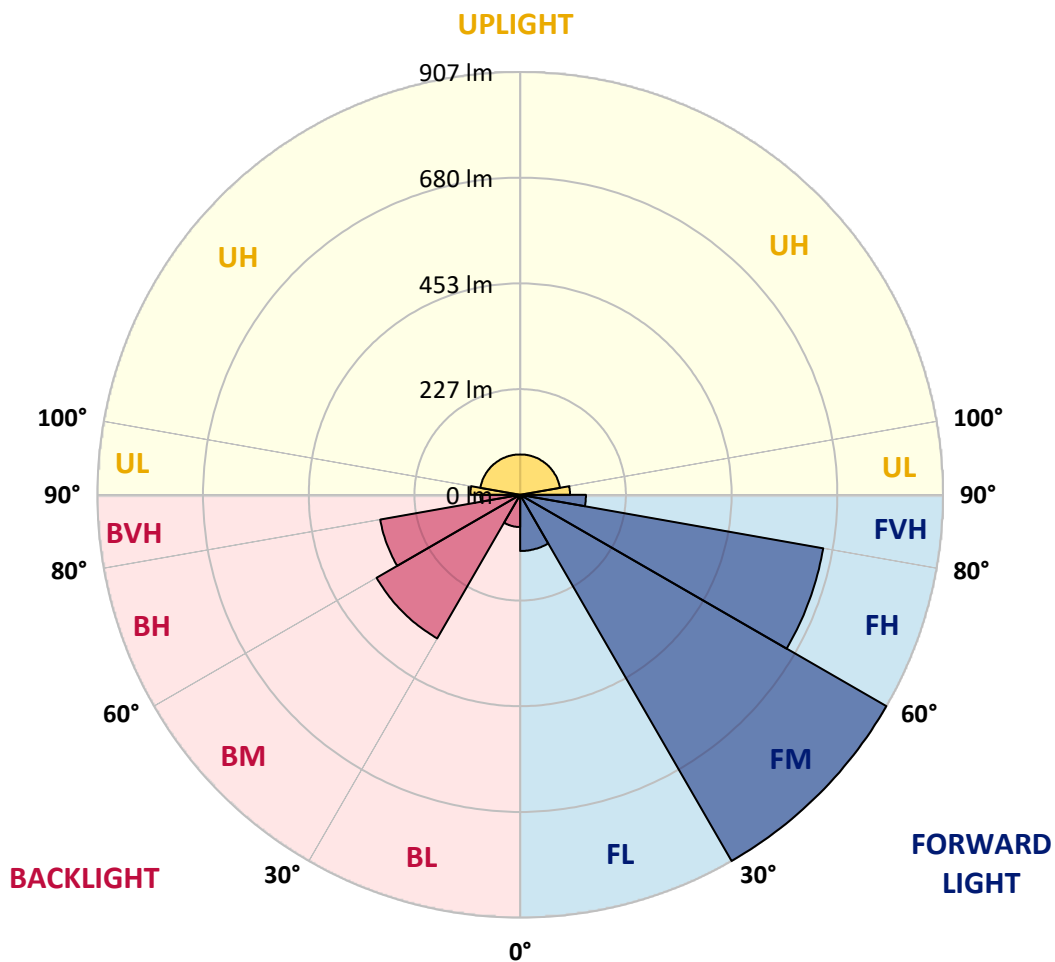
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2U-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.5	4.2			
FM (30°-60°)	906.7	31.8			
FH (60°-80°)	660.0	23.2			G0/660
FVH (80°-90°)	140.9	4.9			G2/225
BL (0°-30°)	69.1	2.4	B0/110		
BM (30°-60°)	355.5	12.5	B1/1000		
BH (60°-80°)	304.7	10.7	B1/500		G1/500
BVH (80°-90°)	85.2	3.0			G1/100
UL (90°-100°)	106.8	3.7		U3/500	
UH (100°-180°)	86.6	3.0		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°	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9
2.5°	124.7	123.6	123.0	122.0	121.3	120.0	118.6	116.6	114.9	114.6	113.2
5°	137.8	136.1	136.1	134.4	132.0	130.4	127.7	124.3	121.6	120.0	118.6
7.5°	154.6	153.2	151.5	150.2	147.8	144.8	141.1	136.7	131.4	130.4	127.0
10°	173.4	172.7	171.4	168.7	165.6	161.6	156.6	151.2	145.1	144.1	138.4
12.5°	198.2	198.2	196.2	192.5	188.2	180.8	176.4	170.7	163.6	162.6	154.6
15°	228.8	227.5	224.8	218.4	213.4	207.3	201.9	194.5	185.1	183.5	176.1
17.5°	262.4	259.7	258.4	252.3	245.6	238.2	230.8	222.8	212.3	209.7	200.9
20°	300.0	301.7	296.7	290.0	279.9	272.5	264.1	253.7	242.3	240.2	229.8
22.5°	347.4	346.1	339.0	329.6	319.9	311.8	301.1	290.6	275.2	273.2	261.1
25°	399.8	398.5	389.4	377.7	366.6	352.1	339.7	328.6	315.8	312.8	298.4
27.5°	451.2	458.0	444.2	429.7	416.6	400.5	385.7	371.6	357.2	354.8	339.7
30°	521.5	523.1	507.0	487.2	469.4	449.2	433.8	421.0	408.6	400.8	387.1
32.5°	594.7	589.3	576.6	552.4	524.2	501.6	484.5	472.7	461.0	457.0	436.8
35°	667.3	667.3	647.5	614.9	577.9	555.1	538.3	531.2	520.5	514.1	491.6
37.5°	738.5	737.5	717.3	679.0	641.1	609.8	599.1	591.0	583.6	577.2	549.7
40°	808.7	807.1	782.9	745.6	701.2	669.0	660.2	661.6	652.8	644.1	616.6
42.5°	865.2	864.5	845.4	808.1	755.0	726.4	717.7	725.7	721.7	713.3	681.1
45°	910.2	907.2	892.1	854.1	806.1	775.8	778.2	797.7	792.9	788.9	748.9
47.5°	929.0	928.7	920.3	887.4	843.0	821.8	835.3	862.5	864.2	860.8	816.1
50°	924.0	925.3	924.7	904.5	868.2	857.5	883.3	929.7	935.1	931.7	885.7
52.5°	894.4	895.1	906.2	897.4	876.9	880.0	926.0	985.5	1004.3	995.2	947.2
55°	831.9	840.3	862.2	867.2	864.5	885.0	951.5	1029.8	1058.4	1055.4	1000.6
57.5°	767.4	763.4	794.6	818.8	832.9	871.6	959.9	1061.4	1104.4	1100.4	1048.3
60°	673.3	679.4	717.7	752.3	782.2	839.3	952.2	1078.2	1134.3	1132.0	1083.2
62.5°	577.2	586.0	631.3	677.4	720.0	793.6	923.3	1071.8	1147.4	1147.1	1101.7
65°	486.9	496.3	537.9	593.7	648.1	731.8	872.9	1044.6	1136.3	1137.0	1098.4
67.5°	406.6	411.6	455.3	516.8	569.8	659.2	808.1	990.8	1101.4	1105.1	1071.5
70°	335.0	338.7	381.0	435.8	497.3	578.2	729.4	922.0	1042.9	1044.3	1023.1
72.5°	274.8	278.2	318.9	367.6	424.4	507.4	648.5	827.9	954.9	968.3	948.5
75°	219.7	226.5	261.4	308.8	359.5	433.4	562.8	726.8	856.1	867.5	864.5
77.5°	179.1	188.2	216.0	256.7	303.4	367.6	477.1	627.0	751.6	761.0	763.4
80°	144.5	151.2	179.1	215.0	254.7	310.5	398.8	529.5	646.5	647.5	646.5
82.5°	117.3	122.3	147.2	179.8	214.7	261.1	334.3	441.8	530.2	541.0	543.0
85°	95.4	99.1	120.6	149.9	179.4	218.7	275.9	360.9	430.7	441.8	438.1
87.5°	76.6	81.6	98.8	123.6	151.2	182.4	229.5	292.0	347.8	352.5	351.8
90°	62.8	64.5	81.6	102.8	127.7	151.5	187.5	235.2	276.9	285.3	279.5
92.5°	50.7	53.4	67.9	87.0	106.5	127.3	155.6	193.2	219.1	224.1	221.4
95°	42.7	44.0	57.1	72.9	89.7	108.5	128.3	154.2	173.4	175.1	175.7
97.5°	35.6	37.0	47.7	62.2	76.6	91.7	106.8	126.0	138.8	138.4	137.4
100°	30.6	31.2	41.0	54.1	66.9	78.0	89.7	101.5	109.2	111.6	107.9
102.5°	26.5	26.9	35.3	46.7	57.5	67.2	75.9	84.3	87.4	87.7	86.0
105°	23.5	23.9	30.9	40.3	50.1	57.5	64.2	69.2	70.6	70.6	68.5
107.5°	20.8	21.2	26.5	35.6	44.4	50.4	55.1	57.8	57.1	56.8	55.4
110°	19.2	19.2	23.5	31.6	38.6	44.0	47.7	48.0	46.4	46.4	45.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.5	17.5	20.8	27.9	34.3	39.0	41.3	40.7	38.3	37.6	37.6
115°	16.1	16.1	18.5	24.5	30.6	34.3	36.0	34.3	31.6	31.2	30.9
117.5°	15.1	15.1	16.8	21.8	26.9	30.2	31.2	29.6	26.5	26.2	26.2
120°	14.1	14.1	15.5	19.2	23.9	26.5	27.2	25.2	22.2	22.2	22.5
122.5°	13.4	13.4	14.1	17.1	21.2	23.5	23.5	21.5	18.8	18.8	19.2
125°	12.8	12.8	13.1	15.1	18.5	20.5	20.2	17.8	16.1	16.1	16.5
127.5°	12.1	12.1	12.1	13.4	16.1	17.8	17.5	15.1	13.8	13.8	14.4
130°	11.4	11.4	11.1	11.8	13.8	15.1	14.4	12.8	11.8	11.8	12.4
132.5°	10.8	10.8	10.1	10.4	11.8	12.4	11.8	10.4	10.1	10.1	10.4
135°	10.1	9.7	9.4	9.1	9.7	10.1	9.4	8.4	8.4	8.4	9.1
137.5°	9.1	9.1	8.4	7.7	7.7	7.7	7.4	6.4	6.7	7.1	7.4
140°	8.4	8.4	7.7	6.7	6.0	6.0	5.4	5.0	5.4	5.7	6.0
142.5°	7.4	7.4	6.7	5.7	4.7	4.0	3.7	3.4	4.0	4.4	4.4
145°	6.4	6.4	5.7	4.4	3.4	2.4	2.0	2.4	2.7	3.0	3.4
147.5°	5.4	5.0	4.4	3.4	1.7	1.0	0.7	1.3	1.7	1.7	2.0
150°	4.0	4.0	3.4	2.4	1.0	0.0	0.3	0.7	1.0	1.0	1.3
152.5°	3.0	2.7	2.4	1.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7
155°	1.7	1.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9
2.5°	112.6	111.6	110.2	109.2	108.2	106.8	106.2	105.2	105.2	105.2	105.8
5°	116.6	115.2	112.2	109.5	106.8	104.8	102.8	101.5	100.8	100.1	100.5
7.5°	124.0	122.3	117.6	112.9	109.2	105.5	102.8	100.5	99.5	99.1	99.1
10°	135.4	132.4	125.3	118.9	113.6	108.5	104.8	101.8	100.5	99.5	99.5
12.5°	150.9	146.5	138.1	129.4	121.3	114.6	109.2	106.8	105.8	105.2	105.5
15°	171.4	166.7	153.9	142.5	132.0	123.0	117.9	115.6	114.2	113.6	113.2
17.5°	195.2	188.5	173.0	158.3	145.1	135.1	128.7	125.0	122.6	121.3	121.6
20°	221.4	212.7	192.9	176.7	159.9	149.9	140.1	134.1	131.0	130.4	130.7
22.5°	251.0	241.9	219.1	195.5	178.1	163.0	151.2	143.5	139.8	139.4	139.4
25°	285.9	273.8	247.0	217.4	194.9	175.7	161.9	152.5	148.5	147.2	147.2
27.5°	325.6	309.5	276.2	242.3	211.3	187.1	171.0	160.3	155.9	154.9	154.9
30°	369.3	352.5	310.1	265.8	227.1	197.2	179.1	167.7	161.9	160.6	160.9
32.5°	417.3	395.5	342.0	291.0	240.9	205.3	184.5	173.0	166.7	165.0	165.0
35°	469.4	443.8	380.0	315.5	254.0	211.7	188.5	176.7	169.7	168.0	167.7
37.5°	527.8	495.9	419.3	338.0	264.4	215.7	191.2	179.1	171.4	169.0	168.7
40°	589.0	552.4	455.6	358.5	273.2	218.1	191.9	180.1	172.0	168.3	168.0
42.5°	646.1	605.8	496.9	377.3	278.5	219.1	191.5	179.8	171.4	166.3	166.0
45°	709.3	659.9	534.9	394.5	281.9	218.4	190.2	178.1	170.0	163.6	163.0
47.5°	775.5	718.7	569.8	406.9	283.2	216.4	188.5	176.7	167.7	160.6	159.9
50°	835.3	769.1	602.4	416.6	282.6	213.4	185.8	174.7	165.6	157.6	156.9
52.5°	893.7	821.8	628.0	422.0	279.2	210.0	183.5	172.4	163.3	154.9	153.9
55°	946.8	863.5	650.8	424.4	274.8	205.6	180.1	170.3	161.3	152.2	151.2
57.5°	987.8	902.8	667.6	421.3	268.1	200.6	176.7	167.3	158.9	149.9	148.8
60°	1018.1	928.7	675.3	415.6	260.4	194.9	172.7	164.3	156.6	147.8	146.8
62.5°	1036.2	943.1	673.7	405.5	250.7	189.2	169.0	161.3	154.2	145.5	144.8
65°	1033.2	937.4	660.9	389.4	240.2	181.8	163.3	157.2	150.9	142.8	141.8
67.5°	1008.7	914.2	635.0	369.3	228.5	174.4	157.9	151.9	146.5	139.4	137.4
70°	965.0	871.6	597.7	344.1	215.0	166.0	151.5	145.8	141.1	134.4	132.4
72.5°	891.4	809.4	550.4	317.9	200.6	156.2	143.1	138.4	133.4	128.0	125.7
75°	807.4	731.5	494.6	286.9	185.1	146.5	134.4	129.7	125.0	119.3	117.3
77.5°	716.0	643.1	436.8	259.7	169.3	135.4	124.7	120.6	115.9	109.9	107.5
80°	606.8	548.7	375.3	228.5	153.5	124.7	114.6	110.2	105.2	99.5	97.1
82.5°	508.4	457.0	318.5	200.3	137.8	113.6	104.8	98.4	93.7	88.0	84.0
85°	415.6	379.7	267.1	172.0	123.0	102.1	93.4	88.0	82.7	75.9	73.2
87.5°	334.3	303.7	219.4	148.5	108.5	91.1	83.0	77.6	71.6	64.5	62.2
90°	264.4	245.6	182.4	127.7	96.1	81.6	73.6	67.9	61.2	54.8	53.4
92.5°	209.7	196.6	150.9	108.5	84.7	72.2	64.8	59.1	52.4	46.0	44.0
95°	168.7	155.9	123.6	94.8	74.3	63.5	57.1	51.7	45.0	38.6	37.3
97.5°	134.7	124.7	101.5	79.6	65.2	56.4	50.7	45.0	38.3	32.6	31.9
100°	105.5	99.5	84.0	68.5	57.5	50.1	44.7	39.6	32.9	27.2	26.9
102.5°	84.3	81.0	69.9	59.1	50.4	44.4	40.0	34.6	28.6	23.2	22.8
105°	67.9	65.9	58.1	50.7	44.7	39.6	35.6	30.2	24.2	19.8	19.8
107.5°	55.1	53.4	48.7	43.3	39.3	35.6	31.2	26.5	20.8	17.1	17.1
110°	45.0	44.4	41.3	37.6	34.6	31.6	27.6	22.8	17.8	15.1	15.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	37.6	37.3	34.9	32.9	30.6	27.9	24.5	20.2	15.5	13.1	13.4
115°	31.2	31.2	29.9	28.6	26.9	24.9	21.5	17.1	13.1	11.8	11.8
117.5°	26.5	26.2	25.9	24.9	23.9	21.8	18.5	14.8	11.1	10.4	10.8
120°	22.8	22.8	22.2	21.8	20.8	18.8	16.1	12.4	9.4	9.4	9.4
122.5°	19.5	19.8	19.2	18.8	18.1	16.8	13.8	10.4	8.4	8.1	8.4
125°	17.1	17.1	16.8	16.5	15.8	14.1	11.8	8.7	7.1	7.4	7.4
127.5°	14.4	14.8	14.4	14.1	13.8	12.1	9.7	7.1	6.0	6.4	6.4
130°	12.8	12.8	12.4	12.1	11.4	10.1	8.1	5.7	5.4	5.7	5.7
132.5°	10.8	10.8	10.8	10.1	9.4	8.4	6.4	4.7	4.4	5.0	5.0
135°	9.1	9.1	9.1	8.4	7.7	6.4	4.7	3.7	3.7	4.4	4.4
137.5°	7.4	7.7	7.4	6.7	6.0	5.0	3.7	2.7	3.0	3.7	3.7
140°	6.0	6.0	5.7	5.4	4.4	3.4	2.4	2.0	2.7	3.0	3.0
142.5°	4.7	4.7	4.4	3.7	3.0	2.4	1.3	1.3	2.0	2.4	2.4
145°	3.4	3.4	3.0	2.4	1.7	1.0	0.3	0.7	1.3	1.7	1.7
147.5°	2.0	2.0	2.0	1.7	1.0	0.3	0.0	0.3	0.7	1.0	1.0
150°	1.3	1.3	1.3	1.0	0.7	0.0	0.0	0.0	0.3	0.7	0.7
152.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)