

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: P414855

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-827-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2701 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - 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

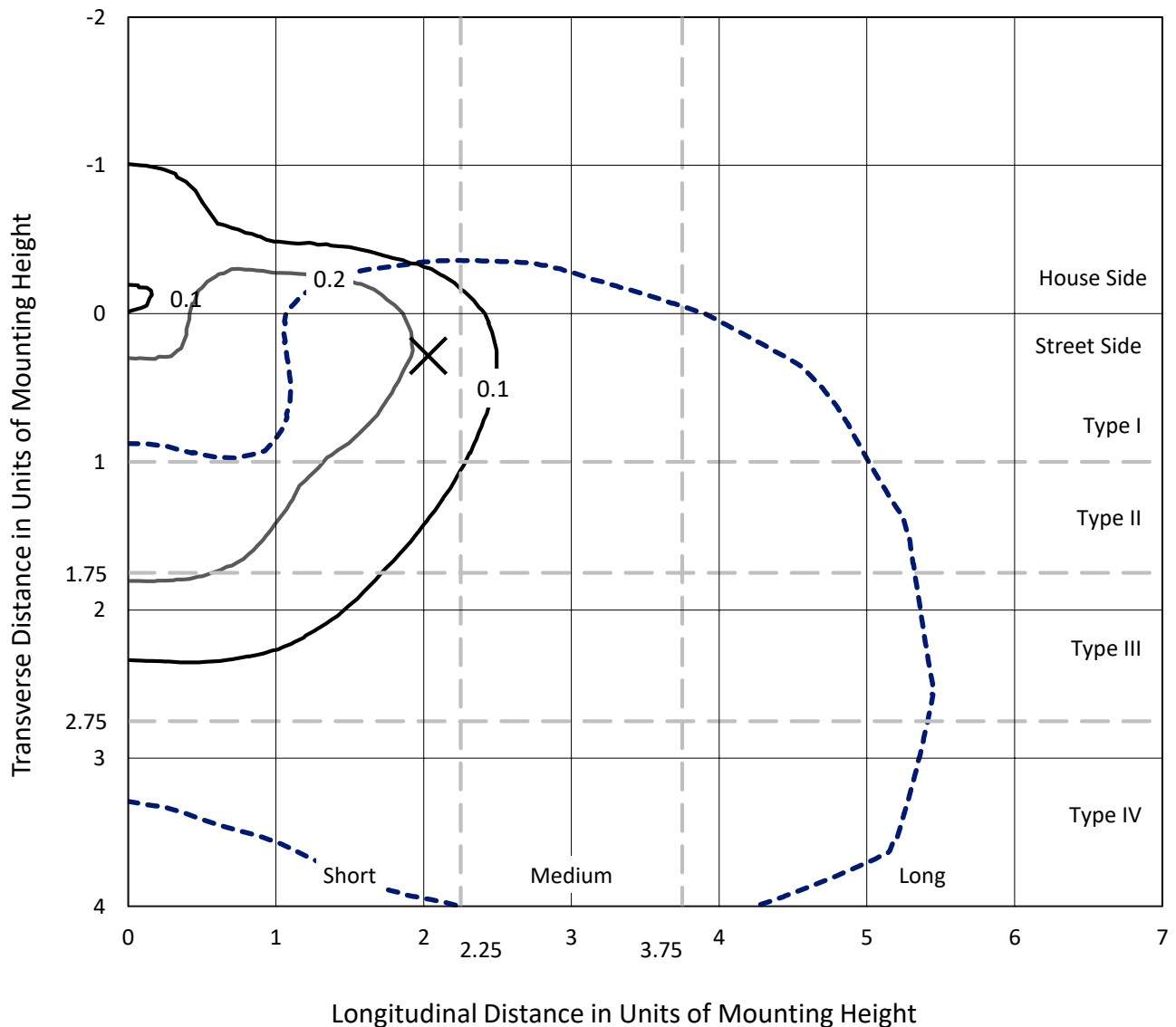


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

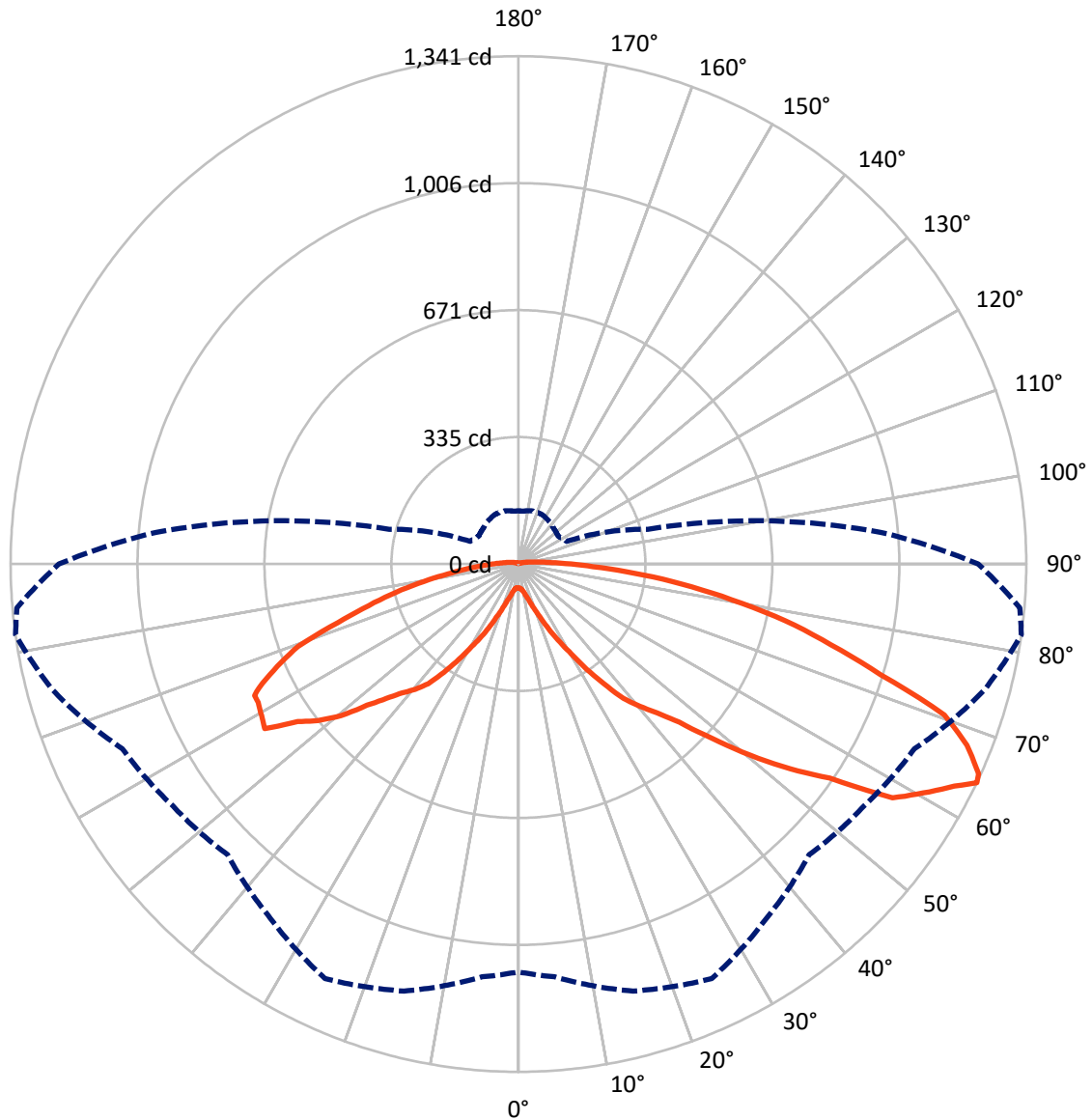


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical



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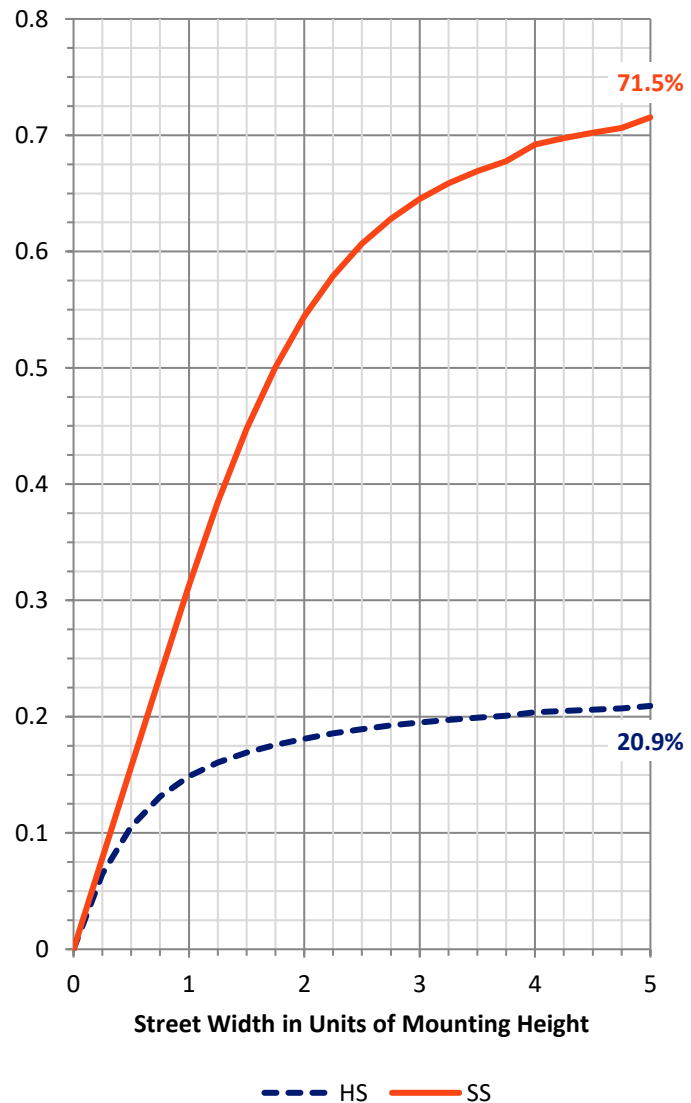
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	593.8	44.5	638.2
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2004.5	58.3	2062.8
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	2598.2	102.8	2701.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	27.8	1.0
20°-30°	80.1	3.0
30°-40°	183.8	6.8
40°-50°	322.8	12.0
50°-60°	518.5	19.2
60°-70°	696.0	25.8
70°-80°	532.2	19.7
80°-90°	230.5	8.5
90°-100°	64.7	2.4
100°-110°	19.7	0.7
110°-120°	8.6	0.3
120°-130°	4.9	0.2
130°-140°	3.0	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2598.2	96.2
0°-180°	2701.0	100.0



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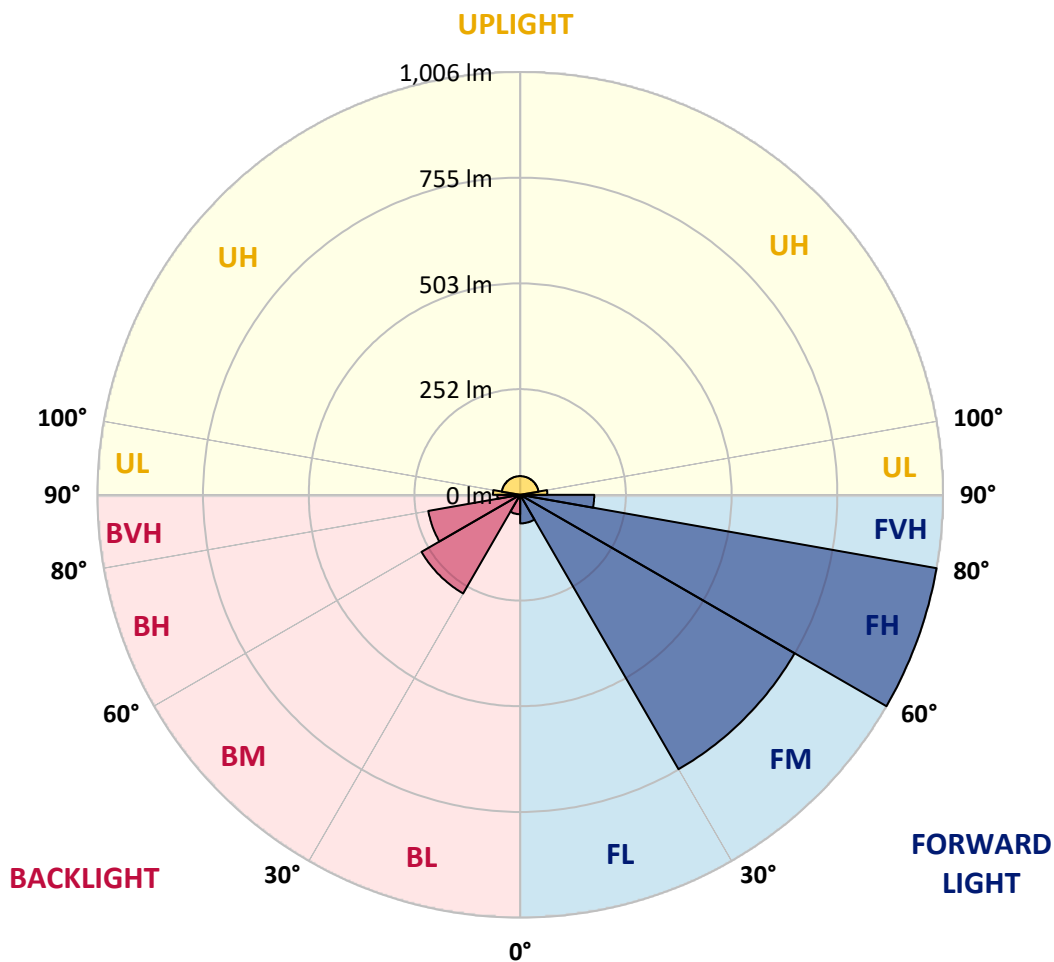
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.0	2.5			
FM (30°-60°)	754.0	27.9			
FH (60°-80°)	1006.3	37.3			G1/1800
FVH (80°-90°)	176.2	6.5			G2/225
BL (0°-30°)	46.3	1.7	B0/110		
BM (30°-60°)	271.2	10.0	B1/1000		
BH (60°-80°)	221.9	8.2	B1/500		G1/500
BVH (80°-90°)	54.3	2.0			G1/100
UL (90°-100°)	64.7	2.4		U3/500	
UH (100°-180°)	44.5	1.6		U2/50	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2.5°	67.8	67.5	67.5	67.8	67.8	67.1	65.9	65.0	64.0	63.7	63.4
5°	74.0	73.7	73.4	73.7	72.7	71.8	69.9	68.1	66.8	65.6	65.3
7.5°	82.4	82.1	81.8	81.1	79.9	78.0	75.2	72.7	70.6	69.0	68.4
10°	93.3	92.0	91.7	90.5	88.3	85.2	82.1	79.0	76.5	74.3	73.4
12.5°	108.2	108.2	105.7	102.9	99.2	94.5	90.5	88.0	85.5	84.2	82.4
15°	126.5	125.9	123.4	118.8	112.5	107.2	102.9	99.8	98.2	96.1	95.1
17.5°	146.7	145.5	143.3	136.2	128.7	123.1	118.1	115.0	114.1	112.2	111.9
20°	173.2	171.3	166.0	157.3	147.0	140.8	136.2	132.7	132.4	133.1	132.7
22.5°	204.6	203.3	196.8	180.9	169.4	160.4	154.2	154.8	158.9	160.7	158.2
25°	242.2	243.4	232.5	211.4	196.2	180.9	178.4	181.9	190.9	195.8	196.2
27.5°	286.6	286.3	272.0	248.7	225.1	208.0	203.9	213.9	226.6	233.8	233.8
30°	336.4	340.7	320.5	290.0	257.1	236.9	233.8	249.0	262.4	275.1	278.8
32.5°	402.6	401.6	375.5	338.8	295.0	266.4	263.9	283.2	313.4	331.1	331.1
35°	485.0	481.5	445.2	390.1	331.4	299.4	299.7	326.4	366.2	388.0	390.1
37.5°	555.8	558.6	521.9	455.1	378.3	337.0	340.7	376.8	424.6	450.1	458.8
40°	631.7	632.6	592.2	519.5	429.0	377.1	386.1	427.8	473.1	494.3	502.7
42.5°	698.5	704.1	663.7	584.1	480.3	426.2	430.6	466.9	512.0	537.2	549.0
45°	744.5	747.6	722.8	643.5	535.9	476.2	475.6	509.5	567.6	595.6	614.6
47.5°	807.0	815.4	779.7	703.2	593.1	527.2	521.9	565.5	641.9	687.3	703.5
50°	880.4	893.1	867.9	775.6	658.4	587.2	588.2	640.1	734.3	793.6	810.4
52.5°	953.4	958.4	941.6	862.7	734.3	657.2	664.6	729.6	837.8	898.7	909.0
55°	992.6	999.7	1004.7	942.2	825.4	740.2	753.2	831.6	926.1	997.6	1020.9
57.5°	1029.9	1039.8	1052.9	1010.3	915.8	842.8	855.5	925.1	1063.2	1165.1	1182.8
60°	1093.0	1101.7	1126.9	1092.1	998.8	940.7	954.0	1052.0	1157.7	1227.9	1229.8
62.5°	1092.1	1105.8	1166.7	1175.4	1087.7	1034.9	1067.5	1120.4	1204.0	1292.3	1290.4
64°	1077.2	1094.3	1167.6	1208.0	1141.8	1085.9	1114.1	1153.9	1275.8	1341.1	1329.3
65°	1066.6	1085.5	1164.8	1216.4	1171.3	1114.8	1135.9	1181.9	1296.6	1335.5	1319.3
67.5°	1008.5	1029.6	1134.7	1215.5	1201.8	1160.2	1167.0	1209.9	1262.1	1277.4	1248.4
70°	904.3	915.5	1034.9	1164.5	1171.7	1131.9	1150.5	1172.6	1201.2	1193.7	1155.8
72.5°	713.8	736.8	857.4	1042.0	1082.7	1054.1	1061.3	1072.2	1043.3	1000.4	955.3
75°	508.3	528.8	641.3	821.9	942.9	931.4	941.3	923.9	891.9	852.7	808.6
77.5°	353.5	360.0	452.9	620.2	753.5	788.7	810.1	785.6	767.5	720.6	685.2
80°	228.8	239.7	298.1	449.2	597.2	669.0	703.5	687.6	645.7	570.8	530.3
82.5°	141.8	150.5	196.5	318.9	473.5	573.2	606.5	584.7	517.6	434.0	393.6
85°	81.1	83.0	115.0	207.7	346.0	455.4	499.9	465.1	387.0	306.2	270.8
87.5°	46.6	48.2	68.7	127.1	239.4	343.2	385.5	334.8	259.9	196.8	173.5
90°	29.8	31.7	44.5	83.0	154.2	245.3	276.4	229.7	174.1	124.7	109.7
92.5°	20.5	21.4	29.8	51.6	99.5	162.0	184.7	153.6	108.5	79.6	70.6
95°	14.9	15.5	21.1	35.1	64.0	101.7	114.1	97.3	71.2	52.8	47.3
97.5°	12.1	12.4	16.5	25.8	44.1	64.7	68.4	60.6	47.3	37.6	35.4
100°	10.3	10.6	13.7	19.9	31.4	42.3	43.2	40.7	33.3	28.0	26.7
102.5°	9.3	9.3	11.5	16.2	23.6	30.2	30.2	28.0	23.0	20.5	20.5
105°	8.4	8.4	9.9	13.4	18.7	23.3	23.0	20.5	17.4	15.5	15.9
107.5°	7.5	7.5	8.7	10.9	15.2	18.3	17.7	15.2	13.4	12.1	12.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	6.8	6.8	7.8	9.3	12.7	15.2	14.3	11.8	9.9	9.9	10.3
112.5°	6.2	6.2	6.8	8.4	10.9	12.4	11.5	9.3	8.1	8.1	8.4
115°	5.6	5.6	6.2	7.5	9.6	10.6	9.6	7.5	6.5	6.8	7.5
117.5°	5.3	5.3	5.9	6.8	8.4	9.0	8.1	6.2	5.6	6.2	6.5
120°	5.0	5.0	5.6	6.5	7.8	8.1	6.8	5.6	5.0	5.6	5.9
122.5°	5.0	5.0	5.3	6.2	7.1	7.1	6.2	5.0	4.4	5.0	5.3
125°	5.0	5.0	5.3	5.9	6.5	6.5	5.6	4.4	4.0	4.7	4.7
127.5°	5.3	5.3	5.6	5.9	6.2	5.9	5.0	4.0	3.7	4.4	4.4
130°	5.3	5.3	5.3	5.6	5.6	5.3	4.4	3.7	3.7	4.0	4.4
132.5°	5.3	5.3	5.3	5.3	5.3	4.7	4.0	3.4	3.7	4.0	4.4
135°	5.0	5.0	5.0	5.0	4.7	4.0	3.4	2.8	3.4	3.7	3.7
137.5°	4.4	4.7	4.4	4.4	4.4	3.7	2.8	2.5	2.8	3.4	3.4
140°	4.0	4.0	4.0	4.0	3.7	3.1	2.5	1.9	2.2	2.8	2.8
142.5°	3.7	3.7	3.7	3.4	3.4	2.8	1.9	1.6	1.9	2.2	2.2
145°	3.1	3.1	3.1	3.1	2.8	2.2	1.6	1.2	1.6	1.9	1.9
147.5°	2.5	2.5	2.5	2.5	2.2	1.9	1.2	1.2	1.6	1.6	1.6
150°	1.9	2.2	2.2	2.2	1.9	1.6	0.9	0.9	1.2	1.6	1.6
152.5°	1.6	1.6	1.6	1.9	1.6	0.9	0.6	0.9	1.2	1.2	1.2
155°	0.9	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2
157.5°	0.6	0.6	0.9	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9
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°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2.5°	63.1	62.8	62.2	61.6	61.2	61.2	60.6	60.3	59.4	59.4	59.1
5°	64.3	63.7	62.5	61.2	60.3	60.0	59.4	58.4	57.8	57.5	57.5
7.5°	67.1	66.2	63.7	62.2	60.9	60.0	59.4	58.4	57.8	57.5	57.5
10°	71.8	70.3	67.5	64.7	62.8	61.6	60.9	60.6	60.3	60.0	60.0
12.5°	80.8	78.6	74.0	70.6	66.8	65.0	64.3	65.0	66.5	67.1	67.5
15°	93.3	90.5	84.9	78.6	73.1	69.9	71.2	74.3	77.1	78.3	78.0
17.5°	108.8	104.5	97.6	89.2	81.4	79.9	81.1	84.6	88.6	90.5	90.2
20°	128.7	125.3	115.0	101.3	92.6	90.2	91.1	95.4	101.3	103.2	103.8
22.5°	156.1	151.1	135.2	116.3	104.8	100.1	101.0	106.6	114.7	119.1	120.0
25°	191.5	186.2	162.9	134.0	116.0	108.8	112.5	120.0	133.1	139.9	139.3
27.5°	232.5	223.5	193.0	155.7	129.0	117.8	123.4	135.5	149.2	157.9	157.3
30°	270.5	262.7	222.0	175.6	140.2	126.5	132.4	148.0	163.8	174.4	175.0
32.5°	327.3	313.0	255.8	192.7	149.2	133.7	139.3	158.2	176.6	189.3	189.0
35°	386.1	369.9	293.1	212.6	157.0	138.3	144.2	165.7	185.9	201.1	201.4
37.5°	448.0	425.3	326.4	225.7	163.2	141.1	147.0	171.0	196.8	214.2	214.8
40°	489.6	463.8	346.6	232.5	165.1	143.0	149.5	174.7	198.6	211.4	212.6
42.5°	536.2	499.9	357.2	226.9	162.9	142.7	150.1	171.9	190.6	199.6	200.5
45°	600.6	551.8	368.7	218.2	157.0	141.8	147.7	164.4	176.6	180.0	180.0
47.5°	684.2	614.9	388.0	208.9	150.8	139.0	143.3	154.2	158.9	158.2	156.7
50°	784.6	704.4	411.3	200.8	144.9	135.5	138.3	144.6	146.1	144.2	143.3
52.5°	884.7	776.5	427.4	193.7	141.1	132.4	134.3	139.0	139.0	133.4	132.4
55°	976.4	841.8	423.1	180.0	138.3	130.9	132.7	136.2	133.4	126.8	125.6
57.5°	1124.7	954.7	434.3	166.6	134.3	130.6	133.1	135.2	131.2	125.0	123.7
60°	1151.1	950.0	407.9	158.2	131.5	131.5	134.3	136.8	134.0	128.4	128.1
62.5°	1187.8	954.4	367.8	146.1	129.6	132.1	137.1	140.8	140.5	136.5	135.8
64°	1213.6	960.6	353.5	140.5	128.1	132.1	139.3	144.9	144.9	140.2	140.2
65°	1188.1	937.0	342.9	137.7	126.5	132.1	140.5	147.4	146.7	143.0	142.4
67.5°	1111.0	860.2	298.1	131.5	123.1	132.1	143.9	151.4	152.3	149.2	148.0
70°	1016.8	776.2	259.3	124.3	119.7	130.6	143.9	153.9	155.4	152.0	151.1
72.5°	828.8	624.2	213.9	116.6	114.7	126.8	142.1	152.6	154.2	150.1	148.9
75°	694.8	509.8	177.2	109.1	109.4	122.2	137.4	147.0	147.0	142.7	140.8
77.5°	572.3	411.6	146.7	102.0	103.2	116.3	129.0	135.2	133.4	129.3	126.8
80°	428.7	310.9	120.9	94.2	95.4	106.6	117.2	121.5	119.7	114.7	114.1
82.5°	313.7	223.5	103.2	86.1	87.0	96.1	103.8	107.6	109.1	105.1	103.8
85°	206.1	157.6	88.6	78.0	78.6	85.5	90.5	93.6	97.0	95.7	95.1
87.5°	134.6	109.1	74.9	68.7	69.3	74.9	78.3	81.4	88.3	89.2	88.0
90°	90.5	76.5	61.9	59.4	60.3	65.0	66.8	69.9	77.4	78.6	78.6
92.5°	60.6	54.7	50.0	50.0	51.6	55.6	56.0	56.9	63.1	64.7	64.0
95°	42.6	40.7	40.4	41.0	42.9	46.0	44.5	43.8	47.9	48.2	47.6
97.5°	32.6	32.0	32.6	33.6	34.5	37.6	36.1	34.5	36.4	35.7	36.4
100°	26.1	25.8	26.7	26.7	27.7	30.5	29.2	28.3	28.6	27.4	27.4
102.5°	20.8	20.8	21.8	22.1	22.7	24.9	24.6	23.6	23.0	21.8	22.1
105°	16.2	16.5	17.7	18.0	19.0	20.8	20.5	19.3	18.7	17.1	17.4
107.5°	13.1	13.7	14.6	14.9	15.9	17.4	16.8	15.5	14.6	14.0	14.0



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.9	11.2	12.1	12.4	13.4	14.6	14.3	12.7	11.5	11.2	11.5
112.5°	9.0	9.6	10.3	10.6	11.5	12.4	11.5	10.3	9.3	9.6	9.6
115°	7.8	8.1	8.7	9.0	9.6	10.6	9.6	8.4	7.8	8.1	8.4
117.5°	7.1	7.5	7.8	7.8	8.4	9.0	8.1	7.1	6.8	7.1	7.5
120°	6.2	6.5	6.8	7.1	7.5	7.8	7.1	6.2	5.9	6.5	6.5
122.5°	5.6	5.9	5.9	6.2	6.5	6.8	6.2	5.6	5.3	5.6	5.9
125°	5.0	5.3	5.6	5.6	5.9	5.9	5.6	5.0	5.0	5.3	5.3
127.5°	4.7	5.0	5.0	5.3	5.3	5.3	5.0	4.4	4.7	5.0	5.0
130°	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.0	4.4	4.7	4.7
132.5°	4.4	4.4	4.4	4.4	4.4	4.0	3.7	3.7	4.0	4.4	4.4
135°	4.0	4.0	3.7	3.7	3.7	3.7	3.4	3.4	3.4	3.7	3.7
137.5°	3.4	3.4	3.1	3.1	3.1	3.1	2.8	2.8	3.1	3.4	3.4
140°	2.8	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.8	2.8	3.1
142.5°	2.2	2.2	2.2	1.9	1.9	2.2	2.2	2.2	2.5	2.5	2.5
145°	1.9	1.9	1.9	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
147.5°	1.6	1.6	1.6	1.2	0.9	1.6	1.6	1.6	1.9	1.6	1.6
150°	1.6	1.6	1.2	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.9	0.6	0.6	0.9	1.2	0.9	0.9	0.9
155°	1.2	1.2	0.9	0.9	0.6	0.3	0.6	0.9	0.6	0.6	0.6
157.5°	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.3
160°	0.9	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.3	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)