

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: P414837

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
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-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2695 lumens  
Efficiency: N/A  
Efficacy: 86.9 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

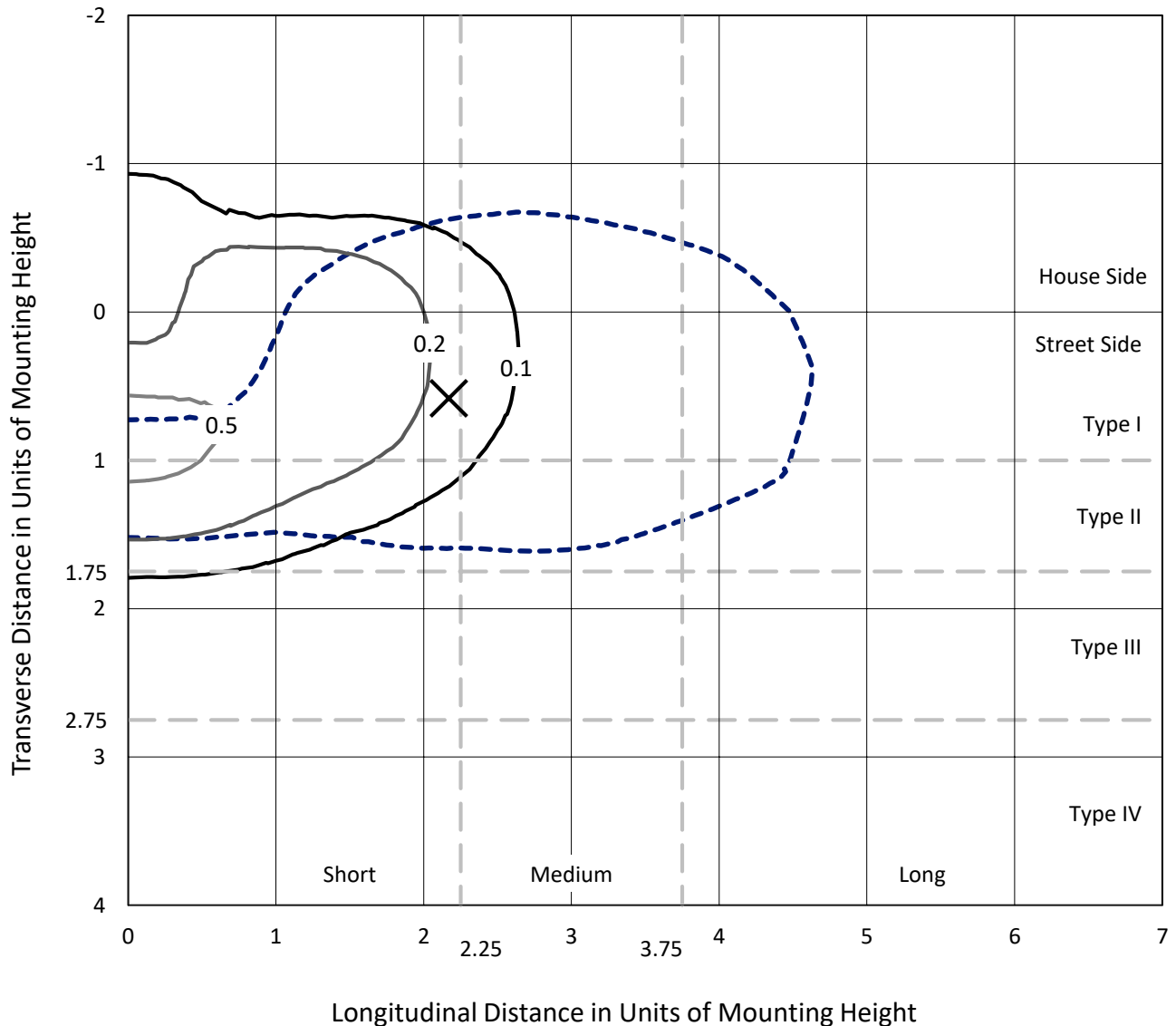
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

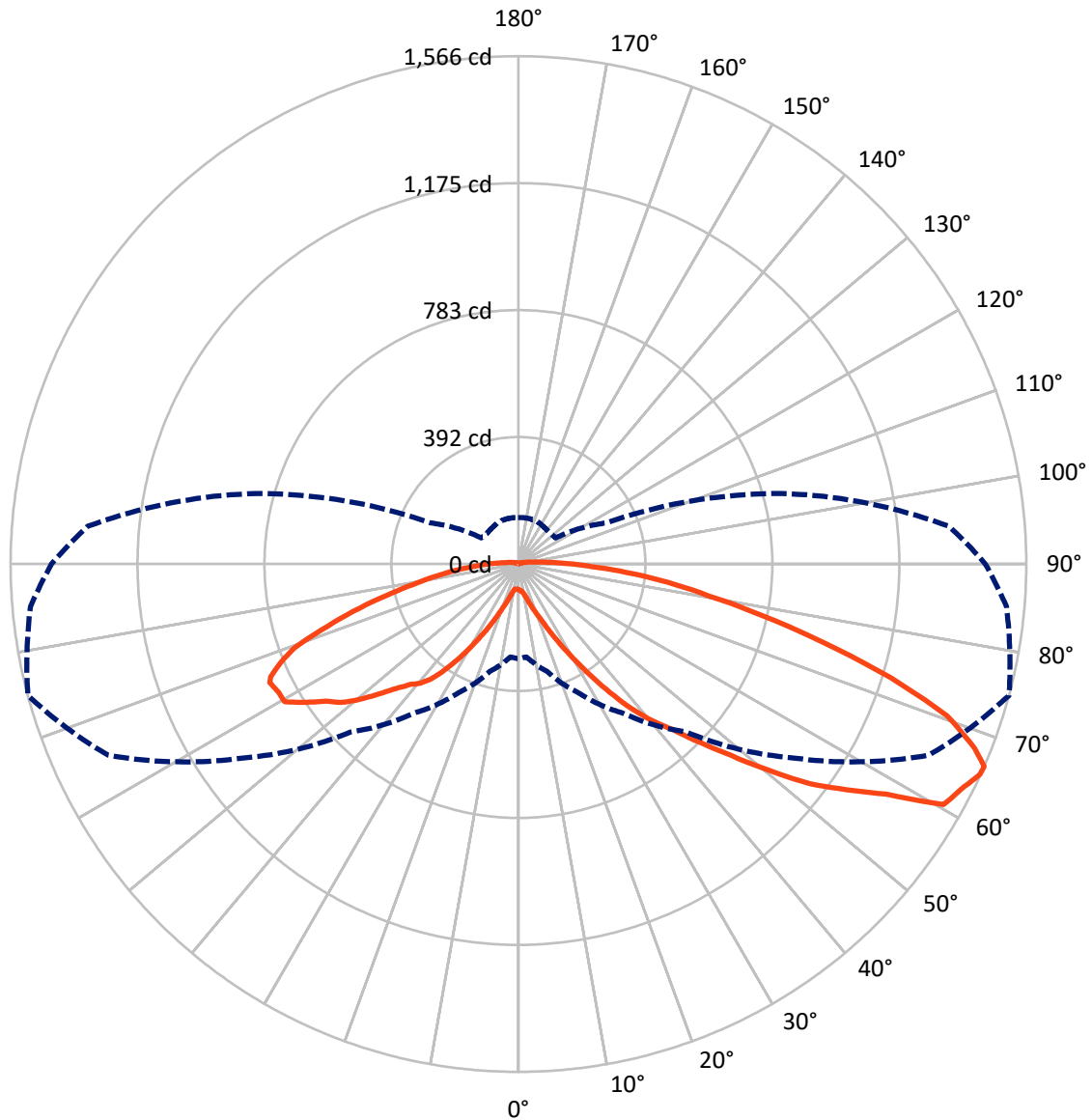
× Max cd  
 - - - 1/2 Max cd



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 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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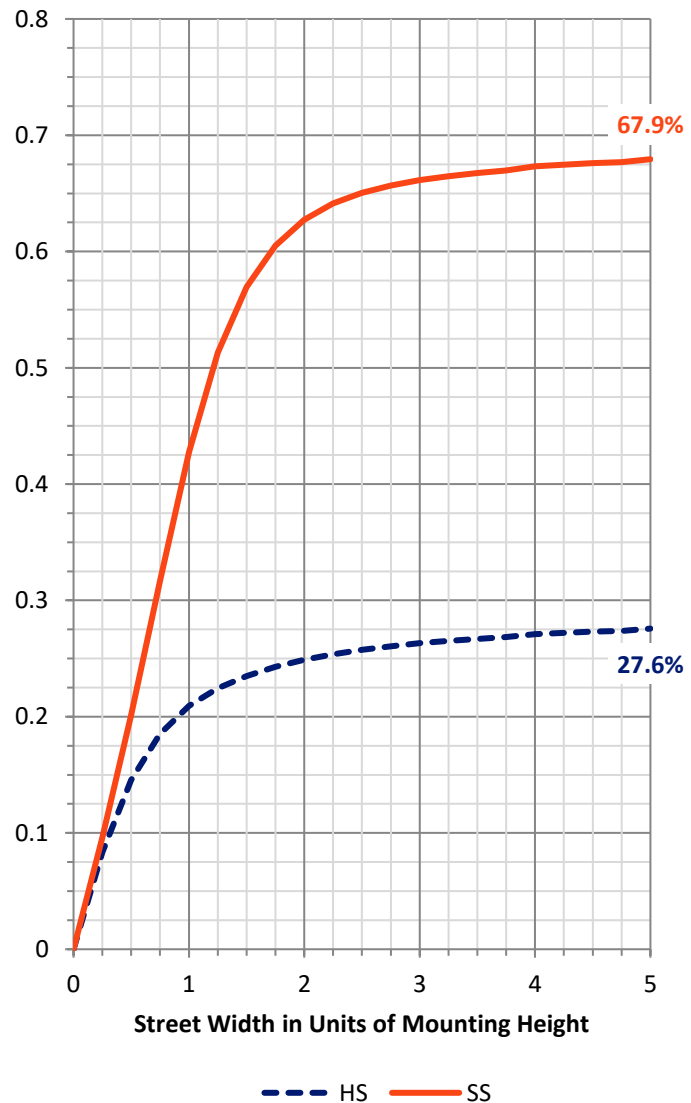
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	765.4	37.4	802.8
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	1855.2	37.0	1892.2
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	2620.7	74.3	2695.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	33.9	1.3
20°-30°	102.7	3.8
30°-40°	254.1	9.4
40°-50°	458.8	17.0
50°-60°	619.9	23.0
60°-70°	622.3	23.1
70°-80°	375.8	13.9
80°-90°	145.3	5.4
90°-100°	43.2	1.6
100°-110°	15.6	0.6
110°-120°	7.5	0.3
120°-130°	4.5	0.2
130°-140°	2.6	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2620.7	97.2
0°-180°	2695.0	100.0



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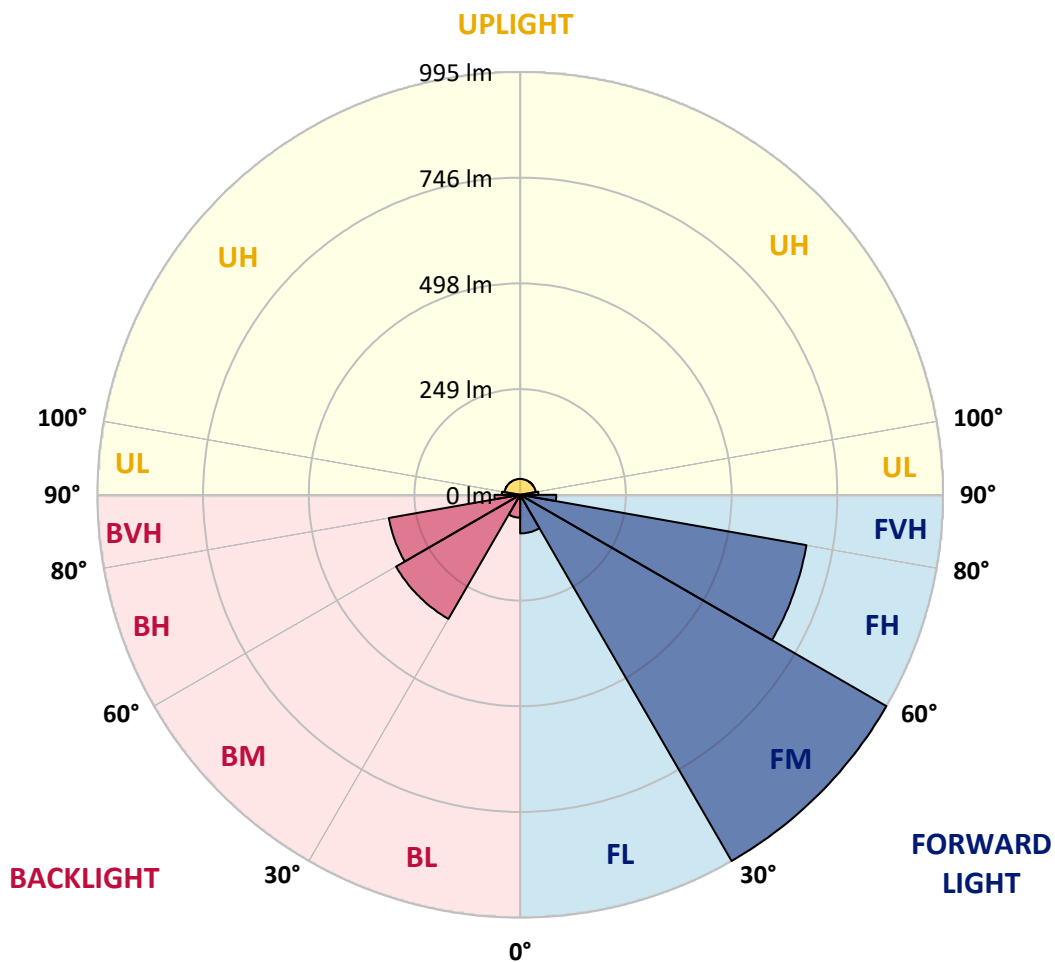
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.8	3.4			
FM (30°-60°)	995.3	36.9			
FH (60°-80°)	684.3	25.4			G1/1800
FVH (80°-90°)	84.9	3.1			G1/100
BL (0°-30°)	53.8	2.0	B0/110		
BM (30°-60°)	337.4	12.5	B1/1000		
BH (60°-80°)	313.8	11.6	B1/500		G1/500
BVH (80°-90°)	60.4	2.2			G1/100
UL (90°-100°)	43.2	1.6		U2/50	
UH (100°-180°)	37.4	1.4		U2/50	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	87.6	87.0	86.4	85.8	85.2	84.5	83.3	81.7	80.5	80.5	79.3
5°	95.7	95.1	94.2	92.9	91.7	90.4	88.0	85.5	83.0	83.0	80.8
7.5°	105.7	105.4	104.1	102.6	99.8	97.0	93.9	90.1	86.7	86.4	83.6
10°	118.4	117.8	115.9	113.8	110.6	106.9	102.6	97.9	92.9	92.6	89.2
12.5°	136.1	134.9	131.8	128.4	122.5	118.7	113.8	109.4	105.7	104.7	100.1
15°	159.1	157.6	154.2	148.2	140.5	133.6	130.8	126.2	122.1	120.9	116.5
17.5°	188.7	187.1	181.2	171.9	163.8	157.0	150.7	146.1	142.7	142.3	136.1
20°	229.1	225.3	215.7	202.6	192.1	183.7	175.0	169.7	166.3	165.0	161.3
22.5°	278.8	277.8	264.2	247.1	229.7	214.4	204.8	198.9	196.4	196.7	194.6
25°	342.2	339.4	326.3	301.5	275.4	256.1	242.7	239.0	238.7	236.5	235.6
27.5°	409.9	406.2	389.1	365.2	330.7	304.6	289.7	285.6	286.6	284.1	285.9
30°	492.9	491.1	466.2	431.4	394.1	359.9	344.4	340.9	343.1	346.2	344.4
32.5°	595.5	598.3	564.4	517.5	465.3	425.8	408.7	407.4	410.6	409.9	409.0
35°	720.4	725.4	678.5	621.6	549.8	502.9	481.4	479.9	486.1	485.5	486.1
37.5°	854.1	856.2	818.0	727.9	644.3	579.3	561.6	559.7	565.6	562.2	558.8
40°	959.4	969.7	924.9	847.5	738.4	672.2	650.8	640.5	635.3	631.5	606.7
42.5°	1059.2	1053.0	1021.3	935.2	835.1	763.0	734.4	715.1	698.0	695.6	668.2
45°	1124.4	1116.7	1086.5	1007.0	913.1	853.4	827.0	803.7	784.4	775.7	742.8
47.5°	1128.2	1124.4	1117.3	1057.6	975.6	923.7	915.0	902.5	881.4	881.7	839.5
50°	1071.3	1065.4	1086.2	1063.5	1006.7	979.3	1012.3	1025.9	998.9	996.1	952.3
52.5°	970.6	967.5	1005.4	1027.8	1007.6	1018.2	1096.5	1146.2	1125.1	1113.9	1057.3
55°	868.7	872.4	905.3	941.4	974.6	1029.3	1171.1	1270.2	1228.6	1221.1	1150.6
57.5°	729.7	742.2	791.3	847.8	900.1	1013.8	1210.2	1348.8	1338.3	1335.5	1275.2
60°	577.5	576.2	648.9	731.3	817.1	962.5	1212.4	1447.7	1506.4	1493.0	1407.9
62.5°	448.5	451.6	503.8	607.0	722.0	884.5	1182.6	1491.8	1531.0	1515.7	1441.5
65°	324.8	329.8	393.5	476.8	606.7	779.2	1097.7	1431.8	1564.2	1554.9	1512.9
66°	291.8	287.5	343.4	437.9	561.3	732.5	1044.3	1395.5	1566.1	1560.8	1510.8
67.5°	234.6	240.2	283.4	365.8	488.3	658.3	947.6	1337.3	1517.6	1510.5	1476.9
70°	173.7	179.0	208.5	274.4	370.5	524.9	783.5	1155.2	1403.2	1408.5	1404.8
72.5°	128.7	134.3	154.5	202.0	274.1	390.4	621.0	973.7	1200.0	1212.4	1203.7
75°	100.1	102.3	119.0	152.3	200.5	275.1	459.4	754.6	976.8	999.8	1007.9
77.5°	80.5	82.4	96.0	117.5	150.1	200.8	322.0	562.5	773.3	789.4	804.6
80°	65.0	66.2	77.4	94.5	115.0	143.6	217.2	408.7	593.3	602.6	625.0
82.5°	52.2	53.1	61.2	75.8	92.0	109.1	154.5	285.3	465.9	474.6	502.9
85°	41.0	41.6	48.8	60.3	74.0	86.4	111.6	201.7	335.7	343.7	377.9
87.5°	32.3	32.9	38.5	46.9	59.7	68.4	82.4	135.8	226.6	238.1	276.9
90°	25.5	25.8	29.8	36.4	46.3	55.6	64.6	94.8	151.0	157.6	179.3
92.5°	19.3	19.6	22.7	27.7	36.1	44.1	49.4	65.6	96.7	99.5	115.0
95°	14.3	14.6	17.1	20.2	27.0	34.5	38.2	46.0	60.9	64.6	68.7
97.5°	11.2	11.5	13.1	14.9	19.9	27.0	30.5	33.9	41.6	42.9	46.0
100°	9.6	9.6	10.6	11.8	14.9	21.1	23.9	26.7	31.4	31.4	33.3
102.5°	8.1	8.1	8.7	9.3	12.1	16.8	19.3	21.1	23.6	23.9	25.5
105°	7.1	7.1	7.5	8.1	10.3	13.7	15.9	16.8	18.3	18.3	19.0
107.5°	6.2	6.2	6.5	6.8	9.0	11.5	12.7	13.1	13.7	13.7	14.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	5.9	5.9	5.9	6.2	7.8	9.9	10.6	10.3	10.6	10.6	11.5
112.5°	5.6	5.3	5.3	5.6	7.1	8.7	8.7	8.4	8.4	8.4	9.3
115°	5.3	5.3	5.0	5.3	6.5	7.5	7.5	6.8	6.8	6.8	7.8
117.5°	5.3	5.3	5.0	5.0	5.9	6.8	6.5	5.9	5.6	5.9	6.8
120°	5.3	5.3	4.7	4.7	5.6	5.9	5.9	5.0	5.0	5.0	5.9
122.5°	5.3	5.3	4.7	4.7	5.3	5.6	5.3	4.4	4.4	4.4	5.3
125°	5.6	5.3	4.7	4.7	5.0	5.0	4.7	4.0	3.7	3.7	4.7
127.5°	5.6	5.6	5.0	4.7	4.7	4.7	4.4	3.7	3.4	3.4	4.4
130°	6.2	5.9	5.3	4.7	4.4	4.0	3.7	3.4	3.4	3.4	4.0
132.5°	6.2	6.2	5.3	4.4	4.0	3.7	3.4	2.8	3.1	3.1	3.7
135°	5.9	5.6	4.7	4.0	3.7	3.1	2.8	2.5	2.8	2.8	3.4
137.5°	5.3	5.0	4.4	3.4	3.1	2.5	2.2	1.9	2.2	2.2	2.8
140°	4.4	4.4	3.4	2.8	2.5	2.2	1.9	1.2	1.6	1.9	2.2
142.5°	3.7	3.4	2.8	2.2	1.9	1.6	1.2	0.9	1.2	1.2	1.6
145°	3.1	2.8	2.2	1.6	1.2	0.9	0.6	0.6	0.6	0.6	0.9
147.5°	2.5	2.2	1.6	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.6
150°	1.9	1.9	1.2	0.6	0.3	0.3	0.0	0.3	0.3	0.3	0.3
152.5°	1.6	1.6	0.9	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.9	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	78.9	78.3	77.7	77.1	76.5	76.1	75.2	74.6	74.6	74.6	74.3
5°	79.9	78.6	77.1	75.8	74.3	73.0	72.1	71.2	70.5	70.5	70.5
7.5°	82.0	80.8	78.0	75.5	73.3	71.5	70.2	69.3	69.0	68.7	68.7
10°	87.0	84.8	81.1	77.4	74.3	71.8	70.5	69.9	69.6	69.6	69.6
12.5°	98.2	95.1	89.5	83.3	78.0	74.3	73.0	73.0	74.9	75.8	75.8
15°	113.1	110.3	103.8	95.1	86.7	80.5	79.6	81.7	84.2	85.5	85.2
17.5°	133.6	129.9	121.2	109.7	98.5	92.3	89.5	91.7	94.8	96.3	96.3
20°	157.9	154.2	142.3	126.8	113.1	106.3	101.9	101.9	106.0	107.2	107.8
22.5°	191.1	185.5	168.8	147.3	129.6	119.0	113.8	112.8	117.5	119.7	119.0
25°	228.4	224.1	204.5	172.5	149.5	132.4	125.2	125.2	131.2	136.1	136.4
27.5°	280.6	269.8	242.4	203.3	168.8	144.8	137.1	138.6	144.8	149.8	149.8
30°	335.3	327.6	287.5	235.9	187.4	156.3	145.1	147.6	153.2	158.8	158.8
32.5°	401.5	388.5	339.1	268.2	204.5	163.8	149.5	152.9	159.4	165.0	165.0
35°	466.2	455.6	391.0	302.1	219.4	166.9	151.4	155.4	162.9	169.7	170.3
37.5°	541.4	518.4	441.6	332.5	230.3	167.5	150.7	157.9	167.8	175.6	175.9
40°	586.5	558.8	475.8	355.2	235.3	165.3	150.7	159.7	168.1	170.9	170.6
42.5°	639.9	605.1	499.8	358.0	229.1	161.0	150.4	157.6	161.3	161.3	161.0
45°	711.7	672.6	537.7	359.6	216.3	155.7	147.9	152.6	151.7	148.9	147.9
47.5°	799.7	752.1	585.8	365.2	203.9	150.4	145.1	146.4	142.0	135.8	135.5
50°	904.7	848.8	642.4	371.1	193.0	146.1	142.7	141.4	137.1	131.8	131.2
52.5°	1003.2	935.8	693.7	375.1	184.0	143.3	140.8	140.5	136.1	129.3	128.7
55°	1092.4	1011.6	728.2	367.4	175.9	142.0	140.8	141.1	135.5	128.7	127.7
57.5°	1221.4	1132.8	782.9	355.9	166.3	141.7	141.7	142.0	135.2	128.7	127.7
60°	1333.6	1235.1	836.7	354.9	157.0	141.4	142.0	141.7	136.7	132.7	131.8
62.5°	1372.2	1278.3	839.1	332.5	151.0	139.9	140.8	142.3	141.4	139.5	138.6
65°	1444.9	1342.3	849.7	307.4	142.7	137.1	139.2	143.3	143.9	142.7	141.7
66°	1439.6	1333.3	839.5	299.6	139.9	135.5	138.3	142.7	143.9	143.6	143.0
67.5°	1413.5	1310.0	805.6	277.5	135.8	132.7	136.7	141.1	143.9	144.8	144.2
70°	1342.9	1239.8	738.1	244.3	128.0	126.2	131.8	137.4	142.0	143.6	143.3
72.5°	1144.3	1046.1	617.5	208.5	117.2	116.9	123.4	130.2	135.8	137.4	136.7
75°	960.7	864.0	507.2	171.9	106.0	106.3	112.5	119.0	123.4	123.4	123.7
77.5°	770.1	688.4	401.9	142.7	94.5	94.5	98.8	104.1	106.9	105.7	103.8
80°	592.4	538.3	313.9	119.3	83.0	82.4	84.5	88.6	90.8	88.0	85.8
82.5°	478.3	431.7	248.3	99.5	71.8	71.2	72.1	74.9	76.1	73.0	72.1
85°	363.0	321.0	186.8	81.7	62.2	60.6	62.2	62.8	64.3	61.5	59.7
87.5°	256.7	227.5	135.5	68.1	53.1	52.2	51.9	52.5	53.5	51.6	50.7
90°	172.5	151.4	97.9	56.9	45.4	43.8	43.2	43.2	43.8	40.7	39.8
92.5°	110.6	97.9	68.1	45.4	37.9	36.1	34.8	35.1	34.8	31.7	31.1
95°	69.0	62.5	49.1	35.7	30.5	28.9	27.7	27.3	27.0	24.9	24.2
97.5°	45.1	42.9	36.7	28.3	24.2	23.0	22.4	22.1	22.1	20.5	19.6
100°	33.6	32.6	28.9	23.6	19.9	19.0	18.3	18.3	19.0	17.7	17.1
102.5°	26.1	26.4	23.6	19.9	16.8	16.2	15.5	15.5	16.2	15.5	15.2
105°	19.9	19.9	19.3	16.5	14.3	14.0	13.4	13.4	14.0	14.0	14.0
107.5°	15.5	16.2	15.5	13.7	12.4	12.1	11.5	11.5	12.1	12.4	12.7



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.4	13.1	12.7	11.8	10.9	10.6	9.9	9.6	10.3	11.2	11.2
112.5°	9.9	10.6	10.6	9.9	9.3	9.3	8.7	8.4	9.0	9.9	9.9
115°	8.4	9.0	9.0	8.7	8.4	8.1	7.5	7.1	7.8	8.7	9.0
117.5°	7.1	7.8	7.8	7.8	7.5	7.1	6.5	6.2	6.5	7.5	7.8
120°	6.5	6.8	6.8	6.8	6.5	6.5	5.9	5.6	5.9	6.8	6.8
122.5°	5.6	5.9	6.2	6.2	5.9	5.9	5.3	4.7	5.0	5.9	6.2
125°	5.0	5.3	5.6	5.6	5.3	5.3	4.7	4.4	4.7	5.3	5.6
127.5°	4.7	5.0	5.0	5.0	5.0	4.7	4.0	3.7	4.0	5.0	5.0
130°	4.4	4.7	4.7	4.7	4.4	4.0	3.7	3.4	3.7	4.7	4.7
132.5°	4.0	4.4	4.4	4.0	4.0	3.7	3.1	2.8	3.4	4.0	4.0
135°	3.4	3.7	3.7	3.7	3.4	3.1	2.8	2.5	3.1	3.4	3.4
137.5°	2.8	3.1	3.1	3.1	2.8	2.5	2.2	2.2	2.5	3.1	3.1
140°	2.2	2.5	2.5	2.5	2.2	2.2	1.9	1.6	2.2	2.5	2.5
142.5°	1.6	1.9	1.9	1.9	1.6	1.6	1.2	1.2	1.9	2.2	2.2
145°	0.9	1.2	1.2	1.2	1.2	0.9	0.9	0.9	1.2	1.6	1.6
147.5°	0.6	0.9	0.9	0.9	0.9	0.6	0.3	0.6	0.9	1.2	1.2
150°	0.3	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.6	0.9	0.9
152.5°	0.3	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.0
157.5°	0.0	0.0	0.0	0.3	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)