

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: P414422

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414422  
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-PA1-20-827-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 2000 lumens  
Efficiency: N/A  
Efficacy: 95.2 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 (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

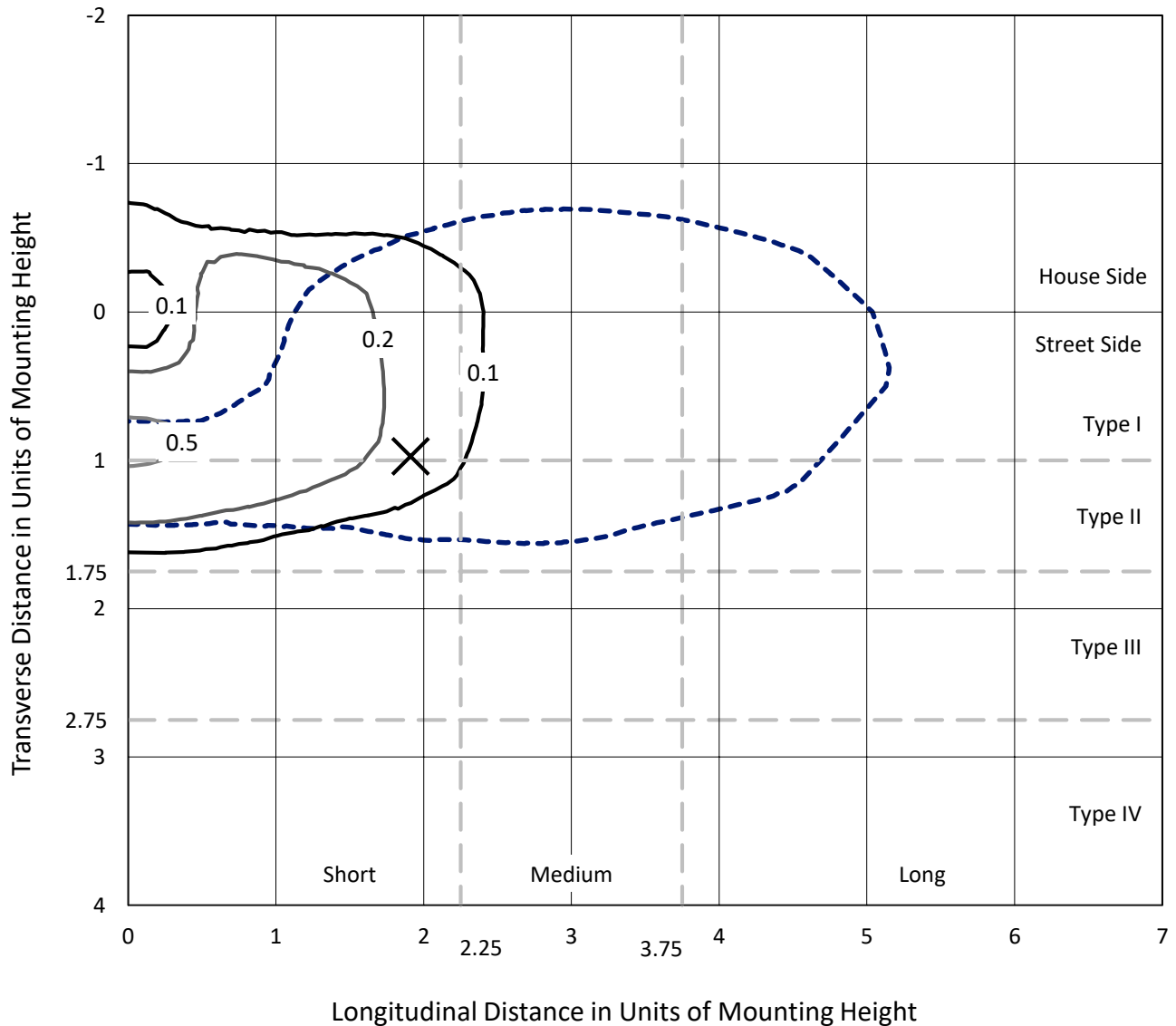


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

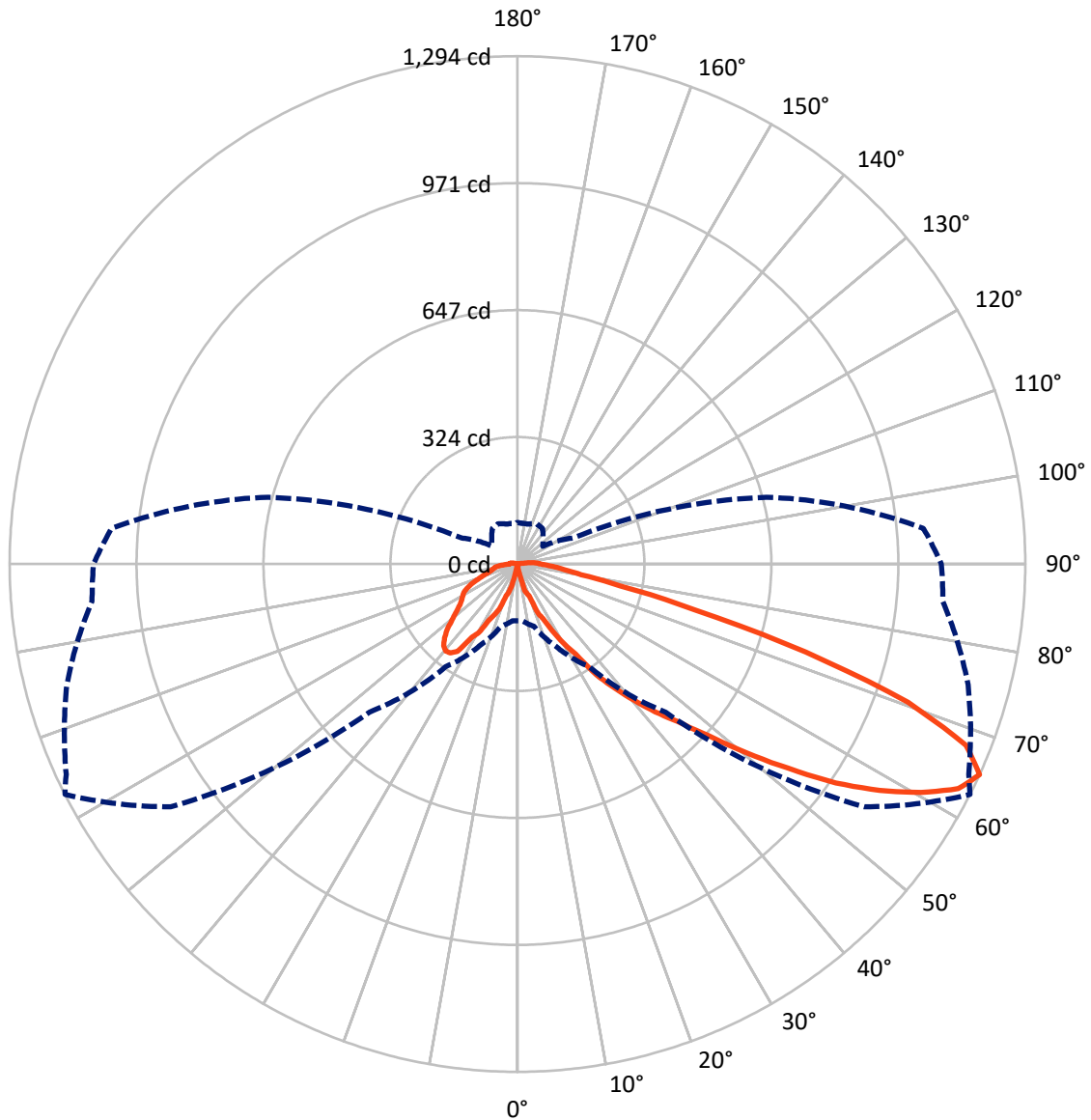


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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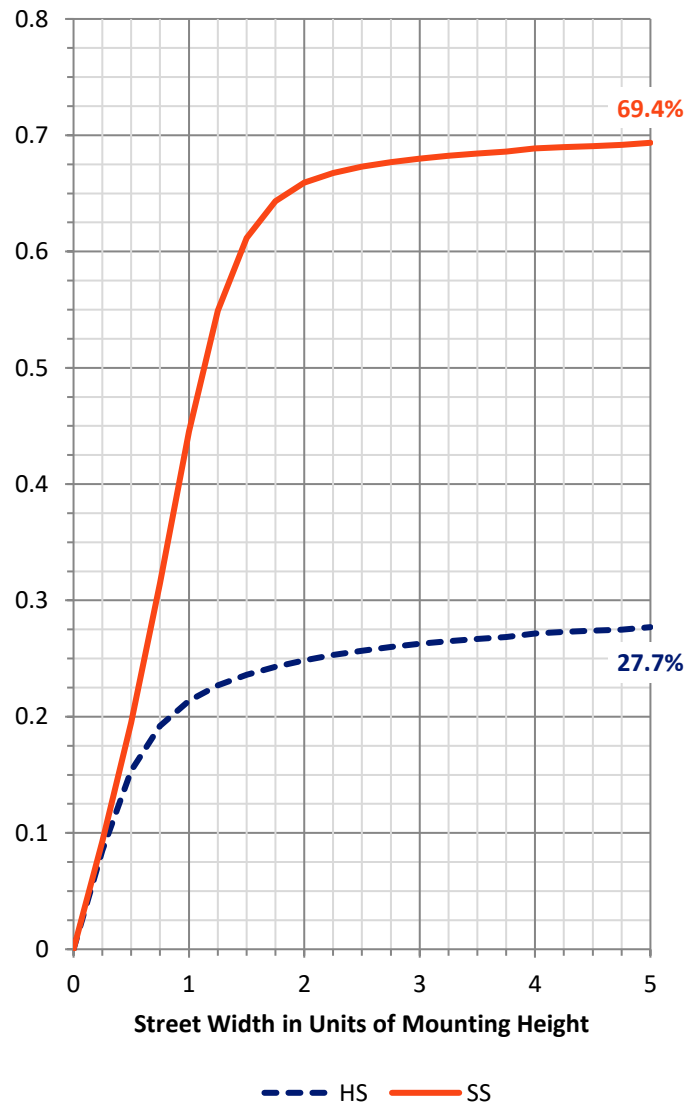
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	569.2	16.5	585.7
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	1398.9	15.4	1414.3
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	1968.1	31.9	2000.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	18.0	0.9
20°-30°	73.5	3.7
30°-40°	190.9	9.5
40°-50°	363.0	18.2
50°-60°	488.7	24.4
60°-70°	463.0	23.1
70°-80°	290.1	14.5
80°-90°	79.7	4.0
90°-100°	22.3	1.1
100°-110°	4.1	0.2
110°-120°	2.0	0.1
120°-130°	1.5	0.1
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1968.1	98.4
0°-180°	2000.0	100.0



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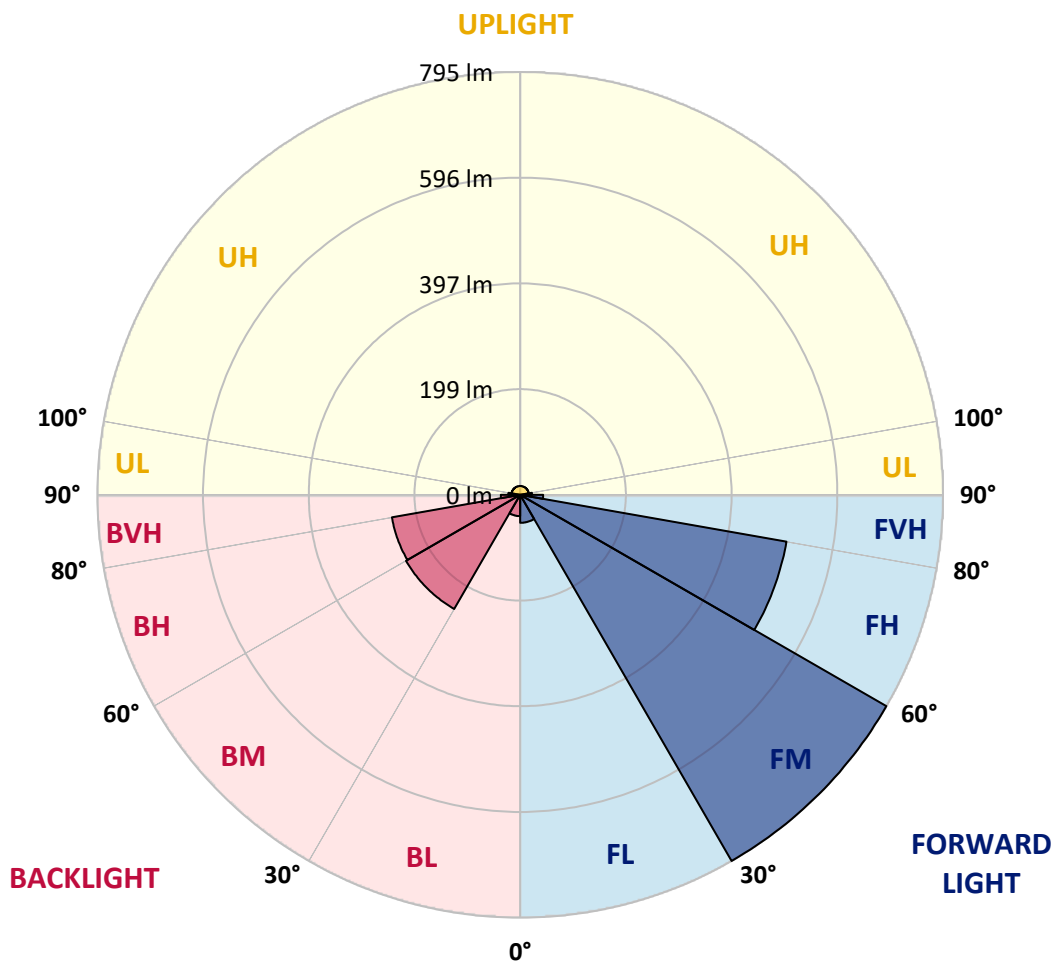
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.6	2.6			
FM	(30°-60°)	794.8	39.7			
FH	(60°-80°)	508.2	25.4			G0/660
FVH	(80°-90°)	43.2	2.2			G1/100
BL	(0°-30°)	40.1	2.0	B0/110		
BM	(30°-60°)	247.8	12.4	B1/1000		
BH	(60°-80°)	244.8	12.2	B1/500		G1/500
BVH	(80°-90°)	36.4	1.8			G1/100
UL	(90°-100°)	22.3	1.1		U2/50	
UH	(100°-180°)	16.5	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.7	2.4	2.7	2.7	2.4	2.2	2.0	1.8	1.6	1.1	0.9
5°	31.2	31.5	31.0	30.3	10.9	4.9	2.9	2.2	2.0	1.3	1.1
7.5°	35.9	35.7	35.4	35.0	33.4	31.5	17.1	4.0	3.1	1.8	1.1
10°	39.4	39.0	37.9	37.7	36.1	35.0	32.3	20.8	17.5	3.1	2.2
12.5°	71.8	70.2	68.9	56.9	39.9	37.7	36.1	31.5	30.8	19.7	29.5
15°	75.1	75.3	74.4	73.1	70.0	47.0	58.5	70.9	70.7	61.1	60.2
17.5°	85.3	84.6	81.3	78.0	76.9	83.5	82.8	79.1	79.1	70.0	66.2
20°	131.8	130.7	128.7	107.2	95.5	107.9	101.2	88.2	88.6	108.1	117.4
22.5°	152.6	152.2	148.2	138.7	135.1	118.9	133.3	138.0	135.3	136.9	131.1
25°	208.9	206.7	189.2	172.3	174.3	160.6	160.4	157.5	155.9	149.1	159.5
27.5°	265.8	264.0	260.0	236.3	201.4	193.6	181.2	197.8	193.4	209.3	212.9
30°	352.2	336.0	302.4	286.4	274.9	237.9	234.4	239.4	238.1	233.7	229.7
32.5°	442.1	435.5	415.8	357.5	321.0	299.7	289.3	273.6	266.3	313.9	317.2
35°	536.0	529.8	481.6	447.7	385.0	350.4	344.7	346.9	337.1	360.4	354.9
37.5°	701.3	698.2	649.7	544.5	478.9	411.3	403.4	400.7	385.4	402.3	402.5
40°	807.4	802.3	748.7	671.2	565.5	509.2	470.5	455.2	451.2	452.1	452.3
42.5°	886.3	878.1	846.8	775.5	665.2	599.2	544.5	515.0	523.0	507.5	506.6
45°	937.4	933.0	904.6	845.1	768.6	735.8	639.0	572.6	599.4	571.7	570.4
47.5°	948.9	946.9	927.2	897.3	865.4	851.7	753.1	651.5	676.0	663.9	639.0
50°	898.9	900.6	893.3	904.2	939.0	954.7	873.4	756.0	769.5	740.5	708.8
52.5°	789.5	789.2	815.8	863.9	966.0	1028.9	984.8	864.8	864.1	811.6	775.7
55°	633.7	645.7	690.7	765.3	929.0	1063.0	1090.5	984.4	965.8	894.7	835.3
57.5°	482.9	498.4	553.5	621.3	823.8	1038.9	1167.3	1088.3	1069.0	969.5	898.4
60°	326.7	332.7	402.3	480.7	655.2	946.1	1203.4	1182.0	1160.7	1046.0	962.2
62.5°	217.7	223.1	262.9	358.4	469.8	768.9	1180.2	1261.0	1232.9	1136.3	1028.9
65°	144.9	144.9	164.6	230.6	319.6	533.8	1078.3	1294.0	1268.6	1188.6	1088.0
67.5°	106.8	108.5	115.0	148.6	217.7	319.4	857.7	1233.1	1235.8	1194.6	1106.9
70°	96.8	97.9	103.4	112.1	155.5	190.1	566.8	1056.4	1102.2	1149.4	1082.7
72.5°	84.6	85.1	93.9	103.2	122.5	145.8	329.6	767.7	864.1	1051.1	1016.3
75°	70.9	71.5	78.6	92.6	105.9	122.3	175.4	467.4	563.3	902.4	928.3
77.5°	57.6	59.1	64.9	75.8	97.2	102.6	134.7	267.1	326.3	672.1	784.8
80°	44.3	45.9	50.9	59.6	79.5	90.6	111.9	164.4	197.8	417.8	548.5
82.5°	30.3	31.5	36.5	43.0	56.9	75.5	92.6	121.2	130.9	228.6	302.6
85°	21.5	22.2	25.5	28.4	35.4	49.6	77.3	96.1	98.8	121.2	123.2
87.5°	12.2	12.0	12.4	14.4	16.2	19.3	45.6	70.4	73.8	84.4	78.4
90°	8.4	8.2	6.9	6.6	7.5	8.2	25.9	56.0	58.9	68.0	69.8
92.5°	8.9	8.4	6.6	6.2	7.1	7.5	17.3	49.0	55.2	68.0	71.8
95°	8.4	8.0	6.0	5.3	6.4	6.6	10.6	33.7	43.4	63.6	70.2
97.5°	7.3	6.9	4.9	4.4	5.3	5.3	6.0	15.5	21.3	29.7	33.4
100°	6.0	5.5	4.0	3.5	3.8	4.0	3.8	7.8	7.8	8.2	6.4
102.5°	5.3	5.1	3.3	2.9	2.7	2.7	2.4	3.8	4.0	4.4	5.5
105°	4.7	4.4	2.9	2.4	2.0	2.0	1.8	2.4	2.7	3.8	5.3
107.5°	3.3	3.3	2.4	2.0	1.8	1.8	1.3	2.0	2.2	3.3	5.5
110°	2.2	2.2	1.8	1.8	1.6	1.8	1.3	2.0	2.0	2.7	4.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	1.8	1.8	1.6	1.3	1.1	1.3	1.6	1.8	1.8	2.0	2.7
115°	1.8	1.6	1.3	1.1	0.9	1.1	1.1	1.6	1.6	2.0	2.7
117.5°	1.8	1.8	1.3	1.1	0.9	0.9	1.1	1.3	1.3	2.0	2.9
120°	1.8	1.8	1.3	1.1	0.9	0.7	0.9	1.3	1.3	1.8	2.7
122.5°	1.8	1.8	1.3	1.1	0.9	0.7	0.9	1.1	1.1	1.6	2.7
125°	2.0	2.0	1.6	1.1	0.9	0.7	0.9	0.9	0.9	1.6	2.4
127.5°	2.0	2.0	1.6	1.1	0.9	0.7	0.9	0.9	0.9	1.3	2.0
130°	2.0	2.0	1.6	1.1	0.9	0.7	0.9	0.7	0.7	1.1	1.8
132.5°	2.0	1.8	1.6	1.3	1.1	0.9	0.9	0.7	0.7	0.7	1.3
135°	1.8	1.8	1.6	1.3	1.1	0.9	0.9	0.7	0.7	0.7	0.9
137.5°	1.8	1.8	1.8	1.6	1.3	1.1	0.9	0.7	0.7	0.7	0.7
140°	2.0	2.0	2.0	1.8	1.3	1.1	0.9	0.7	0.7	0.7	0.7
142.5°	2.2	2.2	2.2	2.0	1.3	1.1	1.1	0.7	0.7	0.7	0.7
145°	2.4	2.4	2.4	2.0	1.3	1.1	1.1	0.9	0.9	0.7	0.9
147.5°	2.7	2.7	2.4	2.0	1.1	0.9	0.9	0.9	0.9	0.9	0.9
150°	2.4	2.2	2.2	1.6	0.9	0.4	0.7	0.7	0.7	0.9	0.9
152.5°	1.8	1.8	1.6	1.1	0.7	0.2	0.4	0.4	0.7	0.7	0.7
155°	1.1	1.1	0.9	0.7	0.4	0.2	0.2	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
160°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.9	0.9	1.1	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.9	0.9	1.1	1.3	1.6	1.8	2.0	2.0	2.0	2.2	2.2
7.5°	1.1	1.1	1.1	1.6	1.8	2.4	6.6	19.9	30.8	31.7	32.1
10°	2.2	2.2	2.2	2.2	4.9	28.4	35.2	36.8	37.7	38.3	38.3
12.5°	29.7	29.5	10.6	5.3	24.4	36.8	39.0	40.1	41.0	41.6	41.9
15°	60.2	60.5	60.5	61.1	44.3	40.1	42.3	62.5	74.0	76.2	77.1
17.5°	66.0	66.0	65.8	73.3	82.4	65.1	72.7	79.3	81.5	82.6	83.1
20°	120.5	120.3	97.0	84.2	87.1	108.1	81.3	84.4	86.2	102.8	103.2
22.5°	132.9	132.2	129.4	130.0	102.6	117.0	111.4	108.1	118.5	118.1	118.5
25°	163.3	147.3	141.1	139.8	148.6	121.6	129.1	111.9	114.5	114.1	114.5
27.5°	213.8	208.0	193.6	163.7	158.4	150.2	129.4	117.4	132.0	135.3	135.8
30°	229.3	222.0	206.7	208.0	176.5	152.8	126.0	130.0	124.9	124.5	123.6
32.5°	314.3	304.8	281.8	226.8	196.7	143.5	126.7	118.3	120.9	129.8	130.2
35°	350.2	339.3	323.2	289.5	190.7	140.9	115.8	115.4	117.2	117.4	117.0
37.5°	391.0	376.8	361.5	305.0	199.1	127.6	108.1	108.3	112.3	120.1	119.2
40°	438.4	422.6	397.8	314.1	178.8	119.6	103.0	106.3	110.5	108.8	107.2
42.5°	491.7	466.1	427.1	312.3	155.5	110.3	101.7	103.9	103.2	99.9	99.0
45°	546.9	519.7	455.6	297.5	134.5	104.3	99.2	99.9	97.2	93.0	92.1
47.5°	610.5	574.6	471.8	275.8	117.6	103.9	98.6	96.4	91.3	87.5	87.3
50°	674.5	635.3	497.1	246.8	105.0	102.1	100.1	95.5	89.3	85.5	85.1
52.5°	737.2	702.8	524.3	222.4	95.5	100.1	100.8	95.9	89.3	83.7	83.5
55°	800.1	770.0	553.8	203.1	89.0	99.9	103.2	97.2	90.6	82.4	82.2
57.5°	863.2	834.0	582.1	190.3	86.2	97.0	104.8	101.5	94.1	87.3	87.7
60°	938.1	903.5	615.6	181.2	85.1	95.5	106.1	106.3	96.4	88.6	89.7
62.5°	1011.6	976.6	643.9	172.8	82.2	93.9	106.8	110.1	101.2	94.6	95.7
65°	1080.1	1038.4	657.0	156.6	78.6	92.1	110.8	113.4	105.0	104.3	105.7
67.5°	1106.2	1067.4	644.1	136.4	76.4	92.1	115.0	118.1	109.0	112.5	116.1
70°	1081.0	1048.6	611.8	111.2	77.1	92.8	115.6	120.3	114.7	117.6	120.7
72.5°	1002.5	961.3	533.2	89.5	77.1	91.9	112.7	116.7	112.5	122.1	125.2
75°	903.5	831.8	424.4	73.8	74.9	91.5	106.1	110.8	106.5	116.5	119.8
77.5°	746.3	654.3	293.5	65.1	71.8	87.5	99.2	100.1	95.9	101.9	103.4
80°	526.3	441.0	185.8	58.9	68.7	79.1	87.9	86.4	82.2	83.3	84.6
82.5°	293.5	233.2	108.3	54.3	64.5	65.8	72.0	72.4	66.9	67.1	67.3
85°	116.5	107.9	73.3	45.6	52.1	47.4	53.8	56.0	50.7	44.5	43.2
87.5°	77.3	73.3	51.2	31.2	31.9	26.8	35.0	36.3	29.9	25.9	25.7
90°	73.5	71.3	44.1	21.0	17.7	14.6	19.5	18.8	14.4	12.6	12.8
92.5°	75.8	74.4	44.7	20.2	17.3	14.0	17.3	14.8	10.9	9.5	9.7
95°	74.6	74.0	43.6	19.7	16.4	12.8	14.6	12.0	8.4	7.5	7.5
97.5°	35.4	37.4	27.0	17.7	14.6	10.9	11.3	9.1	6.0	5.5	5.3
100°	5.3	8.4	14.6	16.4	10.9	7.5	7.3	6.0	3.8	3.5	3.5
102.5°	5.5	6.0	9.1	11.3	6.0	4.0	4.0	3.5	2.9	3.3	3.3
105°	6.0	5.5	5.3	6.2	3.5	2.4	2.2	2.2	2.4	3.5	3.8
107.5°	6.4	6.0	4.2	3.3	2.7	2.2	1.8	1.6	2.2	3.8	4.0
110°	4.9	4.7	3.5	2.7	2.7	2.4	1.6	1.6	2.4	4.0	4.4



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	3.3	3.1	2.4	2.2	2.2	1.6	1.6	2.4	4.2	4.7
115°	3.1	3.1	2.7	2.0	1.8	1.8	1.6	1.3	2.4	4.4	4.7
117.5°	3.1	3.1	2.7	2.0	1.6	1.3	1.3	1.3	2.4	4.4	4.7
120°	3.1	3.1	2.7	1.8	1.6	1.3	1.3	1.3	2.4	4.2	4.7
122.5°	2.9	2.9	2.4	1.8	1.3	1.3	1.3	1.3	2.4	4.0	4.2
125°	2.7	2.7	2.2	1.6	1.3	1.1	1.3	1.3	2.2	3.5	3.8
127.5°	2.2	2.4	2.0	1.6	1.3	1.1	1.3	1.3	2.0	3.1	3.3
130°	2.0	2.0	1.8	1.3	1.1	1.1	1.3	1.3	2.0	2.9	3.1
132.5°	1.6	1.6	1.3	1.3	1.1	1.1	1.1	1.1	1.6	2.4	2.4
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8	2.0
137.5°	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
140°	0.7	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3
142.5°	0.7	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.3	1.6	1.6
145°	0.9	0.9	1.1	1.1	1.1	0.9	1.1	1.1	1.3	1.6	1.6
147.5°	0.9	0.9	1.1	1.1	1.1	0.9	0.9	1.1	1.3	1.6	1.6
150°	0.9	0.9	1.1	1.1	0.9	0.7	0.9	0.9	1.1	1.6	1.6
152.5°	0.9	0.9	0.9	0.9	0.7	0.4	0.7	0.7	0.9	1.1	1.1
155°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.9
157.5°	0.4	0.4	0.4	0.7	0.4	0.4	0.2	0.2	0.2	0.4	0.4
160°	0.2	0.2	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2
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)