

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: P266020

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-T4W-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2019.8 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

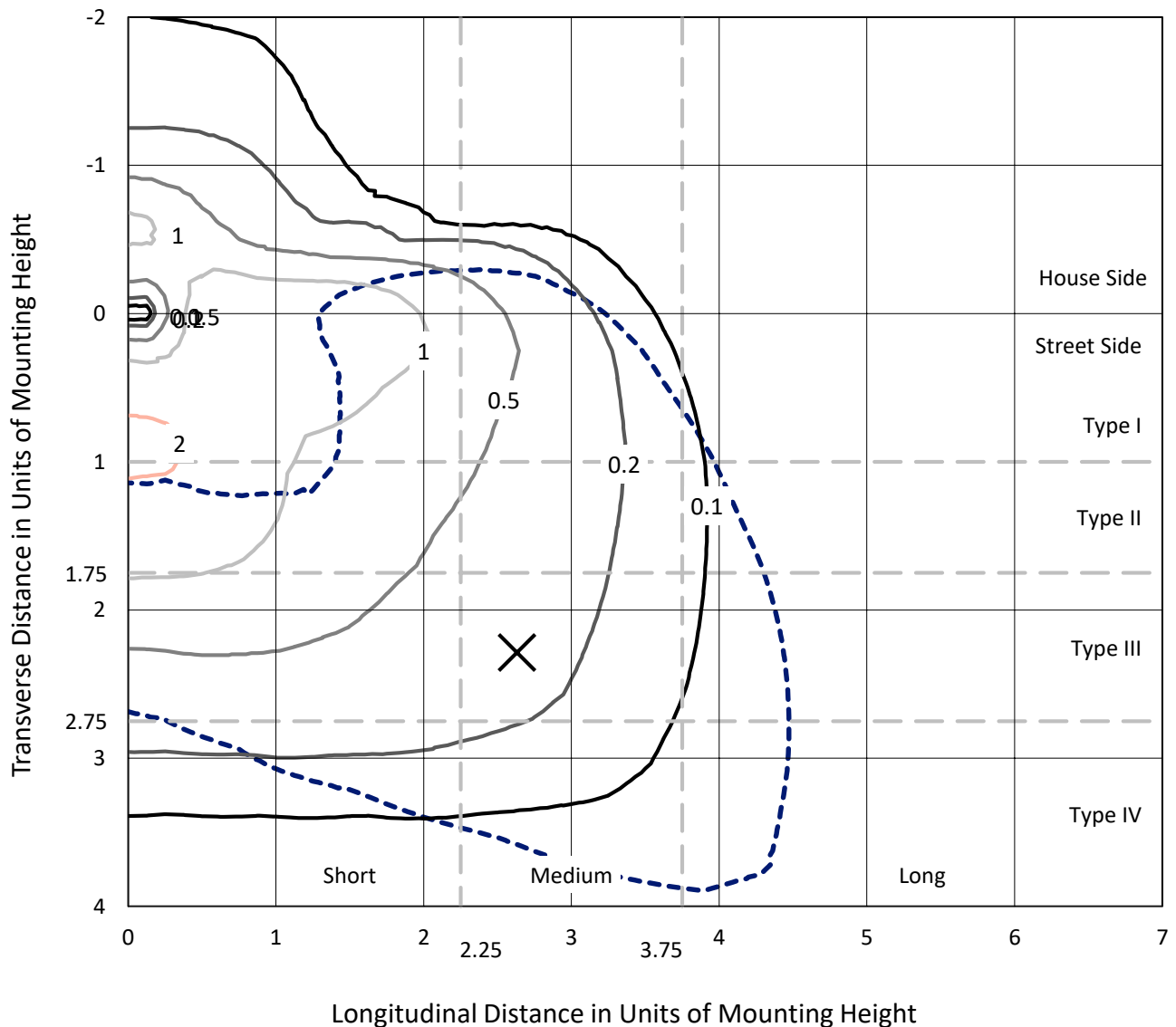
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

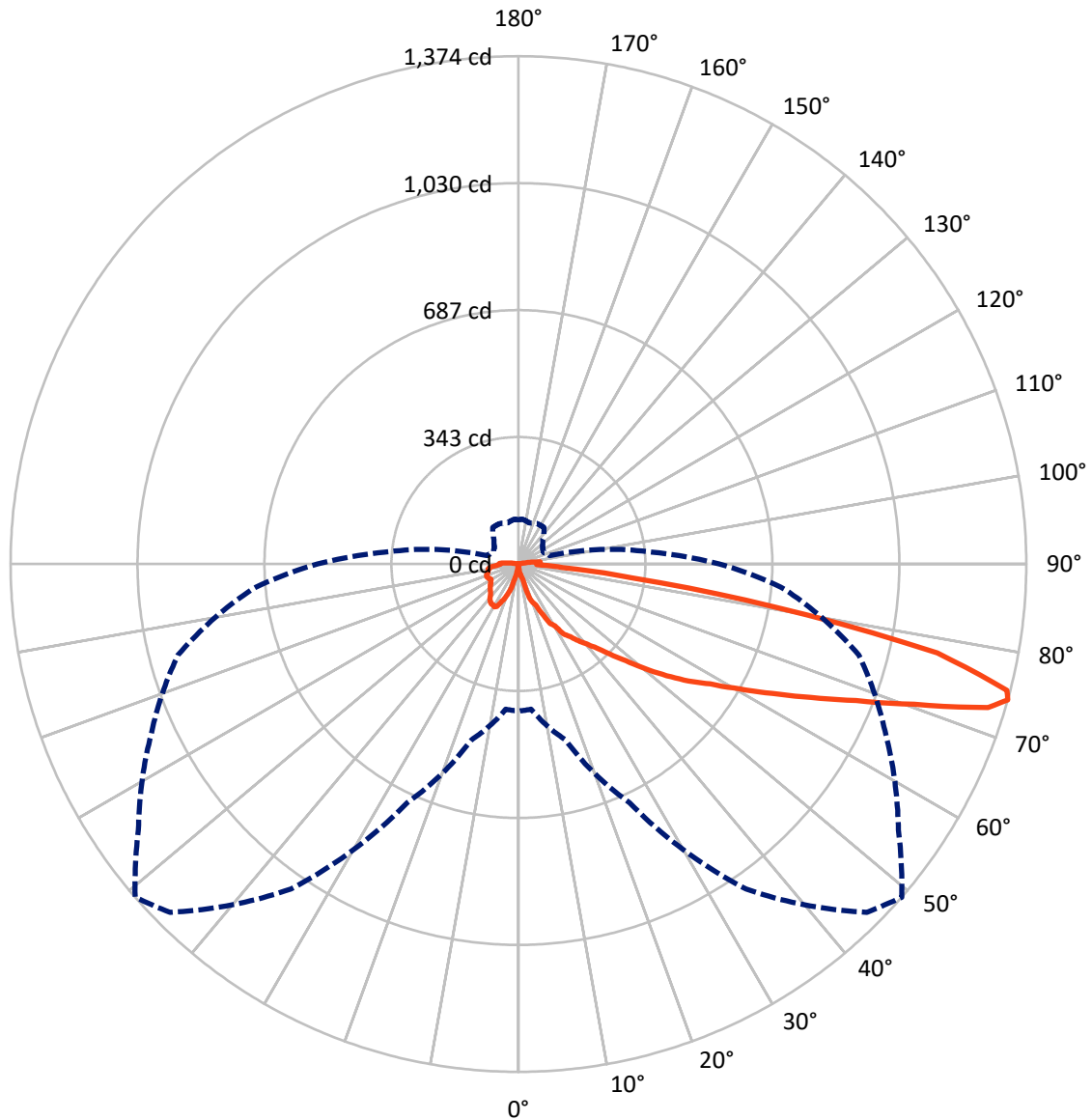
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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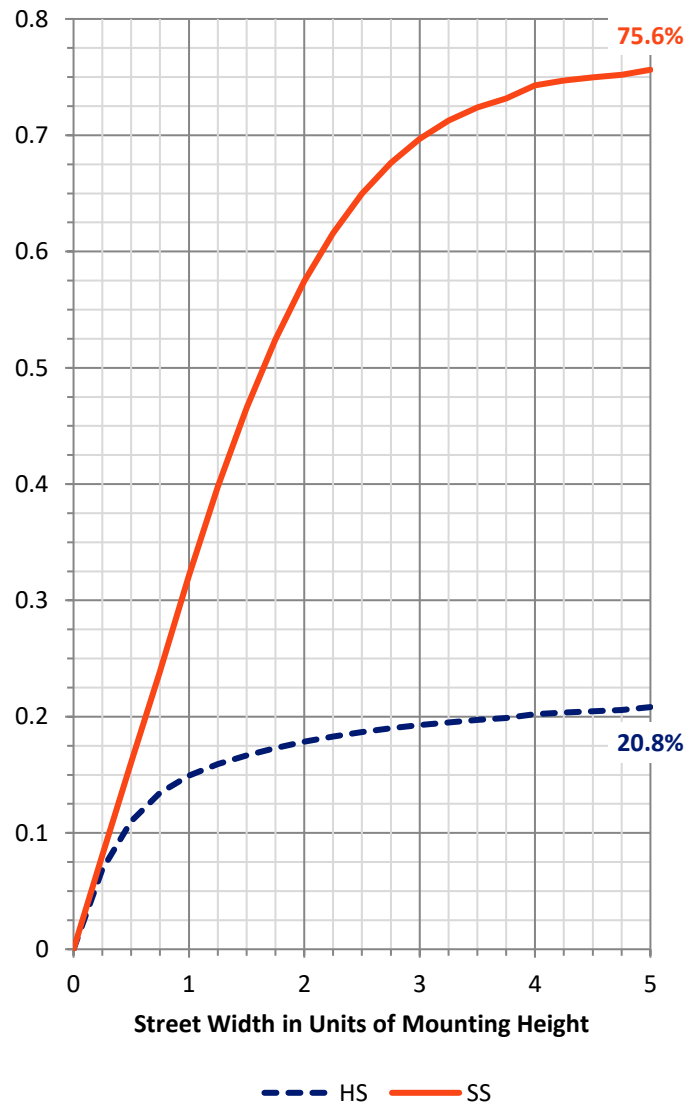
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	445.4	19.1	464.6
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	1539.3	16.0	1555.2
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	1984.7	35.1	2019.8
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	18.2	0.9
20°-30°	68.9	3.4
30°-40°	146.5	7.3
40°-50°	240.8	11.9
50°-60°	388.4	19.2
60°-70°	561.2	27.8
70°-80°	460.7	22.8
80°-90°	98.8	4.9
90°-100°	31.8	1.6
100°-110°	2.5	0.1
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1984.7	98.3
0°-180°	2019.8	100.0



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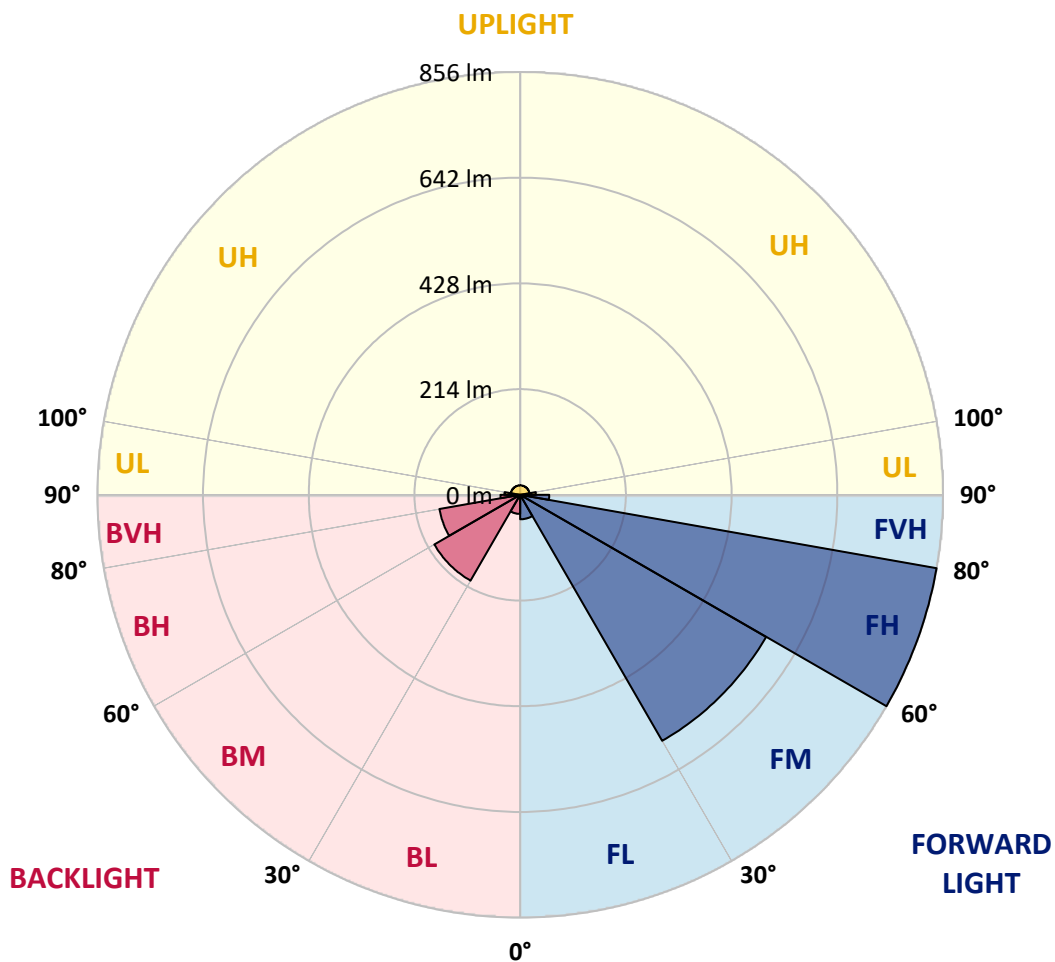
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-CL-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.5	2.5			
FM	(30°-60°)	575.0	28.5			
FH	(60°-80°)	855.9	42.4			G1/1800
FVH	(80°-90°)	58.8	2.9			G1/100
BL	(0°-30°)	38.7	1.9	B0/110		
BM	(30°-60°)	200.7	9.9	B0/220		
BH	(60°-80°)	166.0	8.2	B1/500		G1/500
BVH	(80°-90°)	40.0	2.0			G1/100
UL	(90°-100°)	31.8	1.6		U2/50	
UH	(100°-180°)	19.1	0.9		U2/50	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	1.6	1.4	1.2	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0
5°	26.9	26.6	24.3	22.9	9.3	5.7	5.0	3.1	1.2	1.0	1.0
7.5°	31.9	31.4	30.7	32.1	30.0	26.1	24.0	14.0	3.9	1.2	1.0
10°	42.2	41.7	38.1	37.2	33.7	30.9	29.3	27.3	11.5	2.3	1.6
12.5°	79.8	77.2	75.0	63.5	42.8	34.8	34.6	32.3	27.0	24.4	29.7
15°	90.1	87.8	84.1	83.5	76.3	46.1	42.2	58.3	69.0	51.8	53.0
17.5°	102.0	103.3	98.5	88.5	82.3	87.9	96.8	85.6	75.7	63.1	64.0
20°	143.8	142.9	139.1	127.5	104.3	113.4	110.3	108.3	88.5	116.5	113.1
22.5°	149.4	149.1	147.2	140.2	149.8	120.8	119.8	133.5	131.6	133.9	129.1
25°	195.8	197.7	191.6	150.2	157.7	154.4	148.8	162.4	147.2	148.4	165.4
27.5°	205.3	204.3	201.0	192.4	166.8	183.0	181.5	172.1	191.1	201.4	202.6
30°	258.2	251.4	217.2	209.2	201.4	191.6	194.2	205.0	213.3	210.5	222.2
32.5°	283.9	282.2	276.7	245.4	217.8	212.2	226.1	229.8	225.0	266.5	287.0
35°	369.5	361.7	317.6	272.0	242.8	239.7	241.1	240.9	273.8	281.2	309.2
37.5°	476.6	466.5	431.7	333.7	265.1	250.9	262.9	275.2	286.5	308.1	329.6
40°	539.3	534.1	506.3	412.5	309.2	273.1	284.9	290.8	305.7	323.4	359.6
42.5°	587.5	587.1	569.5	468.1	369.5	308.1	310.3	311.0	322.0	350.7	393.5
45°	620.4	619.9	623.1	520.5	427.0	347.9	348.1	339.4	347.4	384.7	440.9
47.5°	661.2	654.0	661.2	575.9	476.8	395.1	390.8	370.6	387.2	431.9	506.6
50°	701.8	695.2	698.1	619.2	526.1	452.6	444.9	418.2	440.9	491.5	587.9
52.5°	755.1	746.5	733.6	664.9	593.2	512.6	501.8	480.0	501.1	566.2	690.3
55°	794.2	788.0	783.6	730.0	640.3	565.8	558.2	533.7	590.6	649.8	799.9
57.5°	824.6	827.0	840.3	809.6	729.0	624.2	612.3	602.0	675.3	748.8	917.3
60°	856.8	852.2	884.7	883.7	804.1	682.9	685.3	683.9	761.7	843.2	1053.8
62.5°	854.8	858.4	916.7	936.2	868.5	761.4	770.7	768.1	850.1	937.3	1155.0
65°	777.5	788.0	914.7	959.1	948.3	854.1	869.6	867.6	952.5	1017.4	1219.0
67.5°	726.5	740.1	859.7	977.8	1024.1	973.0	985.5	977.5	1025.5	1061.9	1219.2
70°	673.4	682.7	789.2	985.3	1105.9	1128.1	1136.0	1087.0	1086.4	1087.4	1119.3
72.5°	548.0	549.3	645.5	871.1	1141.2	1296.2	1328.1	1220.6	1118.0	1039.7	899.3
74°	397.7	394.5	492.9	712.6	1073.3	1332.8	1373.9	1254.8	1097.0	953.5	712.6
75°	287.0	295.2	367.9	576.5	968.5	1322.8	1364.7	1247.7	1053.4	865.8	579.6
77.5°	91.4	94.4	119.8	242.8	593.2	1084.1	1158.4	1048.5	802.0	547.1	299.7
80°	48.9	51.1	64.0	95.4	248.8	629.3	701.4	609.1	445.4	274.9	164.0
82.5°	29.3	30.7	42.0	57.5	128.9	261.2	309.2	253.4	216.9	158.2	114.5
85°	19.0	19.5	24.4	35.5	83.6	102.9	120.6	124.1	123.6	111.0	92.0
87.5°	10.5	10.8	11.5	15.1	38.4	54.0	49.1	60.1	72.0	71.4	81.4
90°	7.5	7.5	6.3	6.6	21.1	54.2	49.3	53.0	47.7	56.1	84.1
92.5°	6.9	7.1	5.7	6.0	16.8	53.2	59.5	59.2	48.9	58.7	84.6
95°	5.7	6.3	4.5	5.0	10.5	45.5	59.0	58.7	43.2	46.5	60.1
97.5°	4.5	4.9	3.1	3.9	6.3	23.3	35.5	33.7	22.7	19.7	23.4
100°	2.9	3.1	1.6	2.6	3.9	7.6	12.7	13.5	10.5	4.9	2.9
102.5°	2.9	3.1	1.2	1.6	1.6	2.2	2.9	2.3	3.4	1.6	2.3
105°	2.9	3.1	1.0	0.7	0.4	0.7	0.4	0.7	1.2	1.4	2.9
107.5°	2.2	2.3	0.4	0.4	0.2	0.4	0.4	0.4	0.7	1.2	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	1.4	1.4	0.2	0.2	0.0	0.4	0.4	0.4	0.7	1.0	1.4
112.5°	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.7	0.7	1.0
115°	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.7	1.2
117.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	1.2
120°	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.2
122.5°	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.2
125°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.2
127.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.0
130°	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.0
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
142.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
145°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.7
147.5°	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
150°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.7	0.7	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.4	0.4	0.2	0.2	0.4	0.7	1.2	1.6	1.6
7.5°	1.0	0.7	0.7	0.7	0.7	3.4	12.2	21.3	26.9	28.7	28.2
10°	1.6	1.4	1.4	1.4	7.1	23.4	31.4	32.1	34.6	35.0	34.8
12.5°	35.9	30.7	19.1	9.2	25.2	32.9	34.2	36.7	38.4	50.3	52.7
15°	53.2	52.6	51.1	54.0	58.5	37.5	46.3	61.9	70.0	73.1	74.1
17.5°	63.8	62.8	58.7	68.1	72.1	71.4	69.0	74.1	75.3	78.2	78.0
20°	115.8	113.4	101.1	80.3	75.5	95.0	78.0	78.2	97.0	108.3	107.3
22.5°	127.7	126.7	119.8	117.9	101.7	100.4	104.3	106.9	115.3	119.4	118.8
25°	165.8	164.5	133.3	122.3	124.0	106.4	124.4	116.3	119.8	130.7	129.1
27.5°	205.7	202.3	177.9	149.1	124.1	132.3	125.4	137.1	149.4	155.9	156.6
30°	224.8	218.8	190.4	156.8	136.2	131.0	131.8	149.6	151.8	157.3	158.5
32.5°	297.0	291.9	242.6	161.1	136.5	125.1	138.6	146.2	169.2	181.2	182.1
35°	317.5	313.1	244.8	180.7	131.6	129.6	131.2	152.3	164.0	172.7	174.0
37.5°	339.4	332.1	248.8	169.7	135.5	120.8	126.8	138.2	158.7	173.6	177.3
40°	370.6	357.2	246.4	158.2	125.9	117.9	117.5	131.2	140.0	147.2	148.4
42.5°	410.3	387.3	247.8	147.4	117.1	109.9	111.7	117.9	121.0	121.5	121.5
45°	459.4	425.0	254.1	138.6	110.0	106.0	106.7	108.3	108.9	103.0	102.3
47.5°	525.1	473.4	259.4	131.6	104.7	103.3	101.1	102.0	100.3	92.5	91.5
50°	603.4	531.2	263.9	123.4	99.9	99.7	99.3	95.7	92.3	85.1	84.1
52.5°	687.1	599.6	266.3	114.5	96.1	96.8	97.3	91.4	86.5	81.0	80.6
55°	796.3	679.1	272.0	106.4	91.5	93.1	95.7	89.7	85.1	81.4	83.6
57.5°	904.2	767.3	267.2	99.1	88.3	89.4	93.6	91.1	88.9	88.9	89.4
60°	1008.7	843.8	237.5	93.1	85.1	86.5	95.2	99.5	99.3	103.8	105.0
62.5°	1079.0	883.7	193.7	87.8	82.5	87.9	103.0	113.1	111.5	113.4	114.4
65°	1107.5	881.1	147.7	83.9	80.8	94.2	112.2	122.0	115.8	111.5	110.5
67.5°	1077.2	828.2	119.8	80.8	80.8	99.9	119.8	122.4	115.8	116.1	114.4
70°	954.8	704.8	103.0	77.7	81.9	99.1	123.6	121.8	116.1	120.2	117.7
72.5°	716.5	502.2	92.5	75.5	81.4	95.2	121.5	121.5	116.7	124.7	122.3
74°	543.5	364.0	87.9	74.7	79.1	93.2	120.8	120.4	114.9	121.8	119.4
75°	428.1	278.0	85.1	73.8	77.7	92.0	119.7	119.1	113.8	121.4	119.4
77.5°	218.8	145.3	78.4	72.1	74.1	90.4	116.5	116.7	110.0	117.0	115.5
80°	139.4	110.0	69.8	66.7	71.4	90.5	114.5	113.4	105.7	113.4	110.0
82.5°	111.2	90.9	56.6	57.9	68.1	89.2	113.4	107.8	100.3	111.7	100.3
85°	89.2	76.4	39.0	42.7	60.4	81.9	108.2	96.6	88.8	90.4	88.9
87.5°	75.3	61.9	18.4	27.8	47.3	62.8	80.3	74.7	68.8	71.7	68.6
90°	76.3	59.5	13.1	21.3	42.7	52.2	64.0	56.1	52.7	53.7	51.8
92.5°	74.1	56.9	13.5	17.7	41.7	57.3	67.6	57.3	50.6	48.7	47.0
95°	50.0	39.3	12.4	14.0	26.6	45.0	54.6	43.4	35.3	31.3	30.0
97.5°	19.1	17.2	10.8	11.5	14.0	24.0	31.6	27.8	19.0	13.7	12.9
100°	2.9	4.9	8.9	10.8	8.2	9.2	13.1	14.8	9.6	1.0	0.7
102.5°	3.1	2.6	3.7	8.2	4.9	1.9	4.1	8.2	5.3	0.4	0.4
105°	3.7	2.9	1.4	3.7	1.2	0.2	0.2	1.6	1.2	0.2	0.4
107.5°	3.1	2.6	1.0	0.7	0.2	0.2	0.0	0.0	0.0	0.2	0.4



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-CL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1.6	1.6	1.0	0.4	0.2	0.2	0.0	0.0	0.0	0.4	0.4
112.5°	1.2	1.2	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.4	0.7
115°	1.4	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.7
117.5°	1.4	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.7	1.0
120°	1.4	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.7
122.5°	1.4	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.7
125°	1.2	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.4
127.5°	1.2	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
130°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
132.5°	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	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)