

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: P254625

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254625  
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-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 2248.5 lumens  
Efficiency: N/A  
Efficacy: 107.1 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

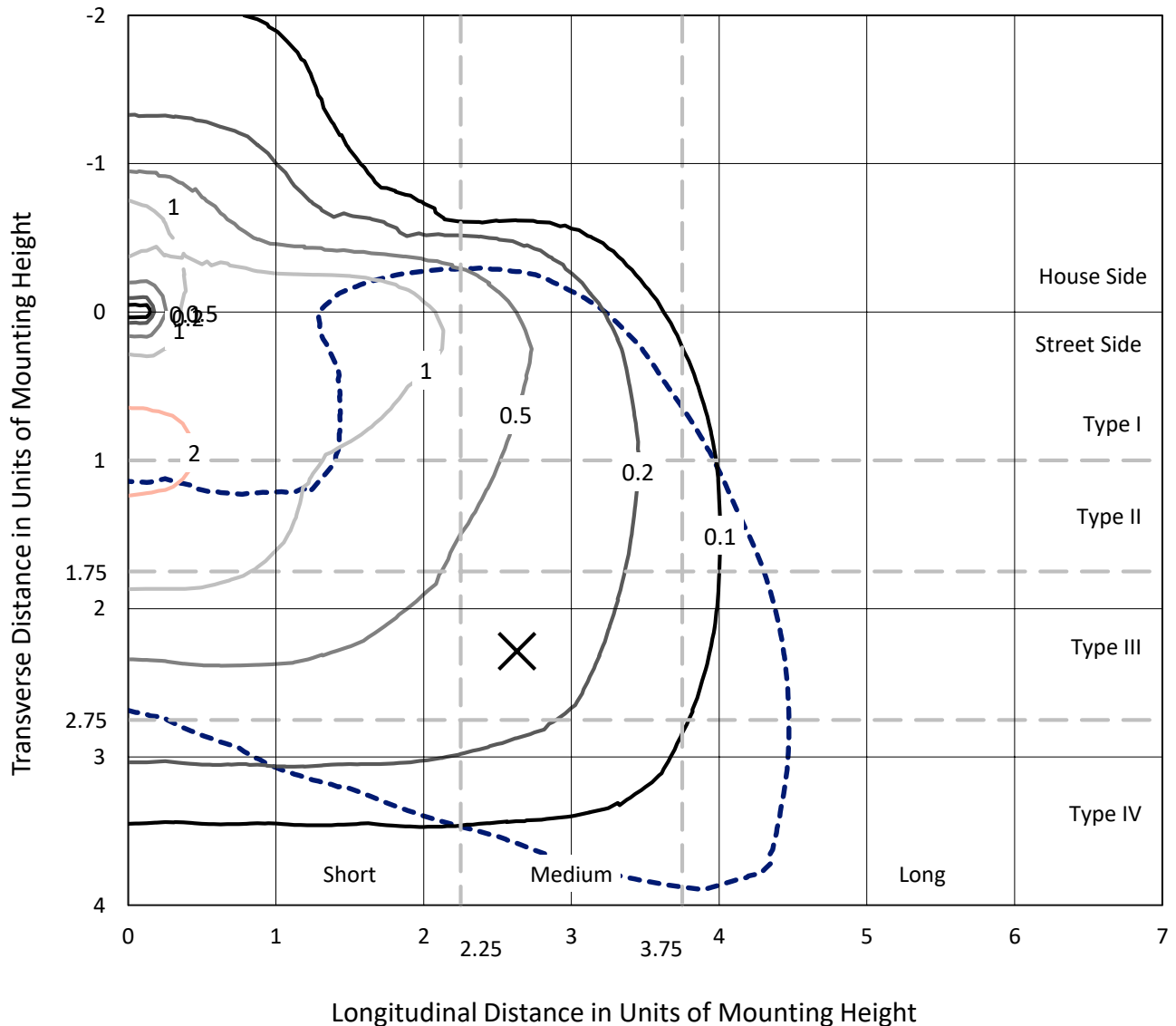


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### Iso-Footcandle Lines of Horizontal Illumination

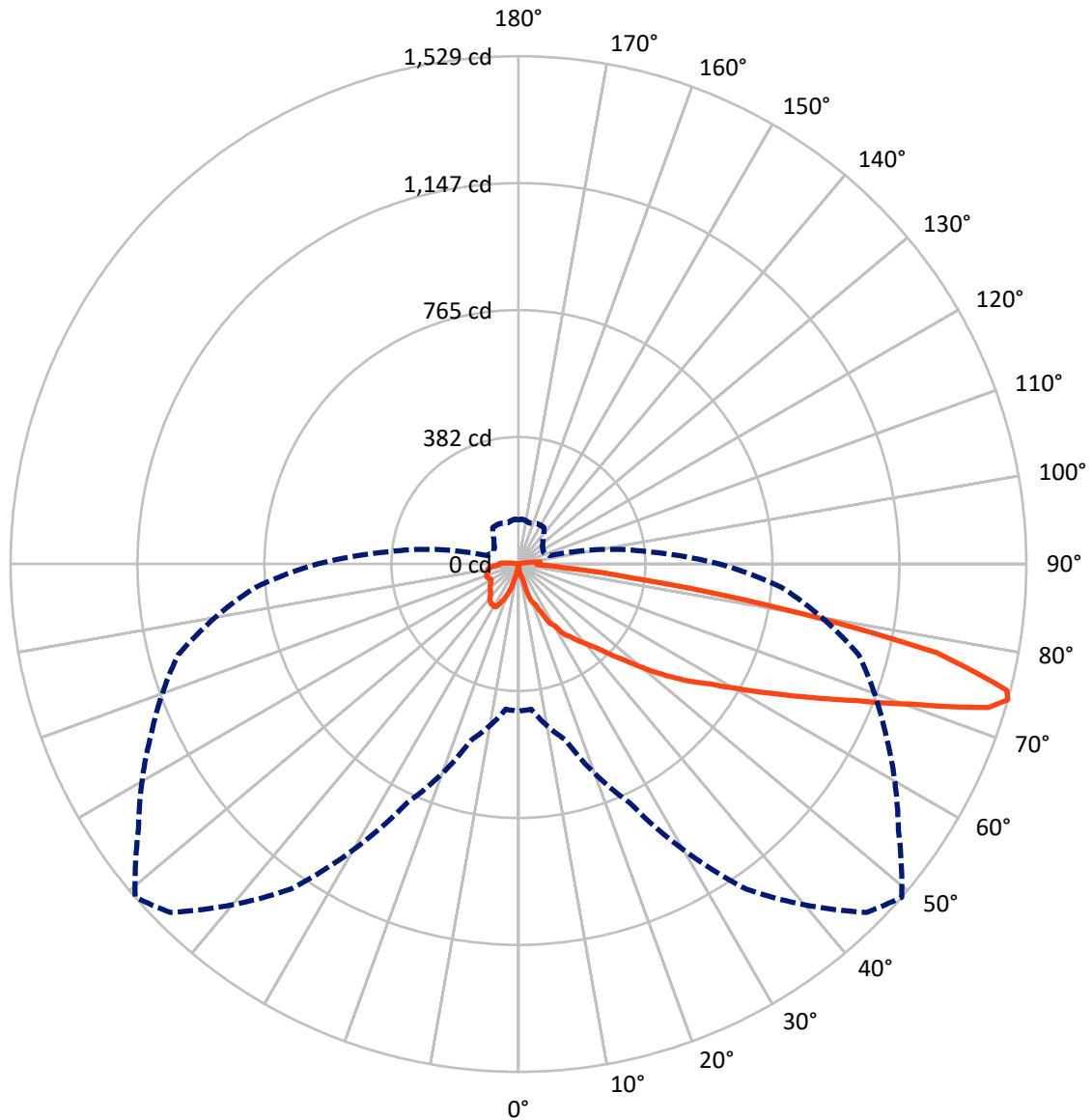
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 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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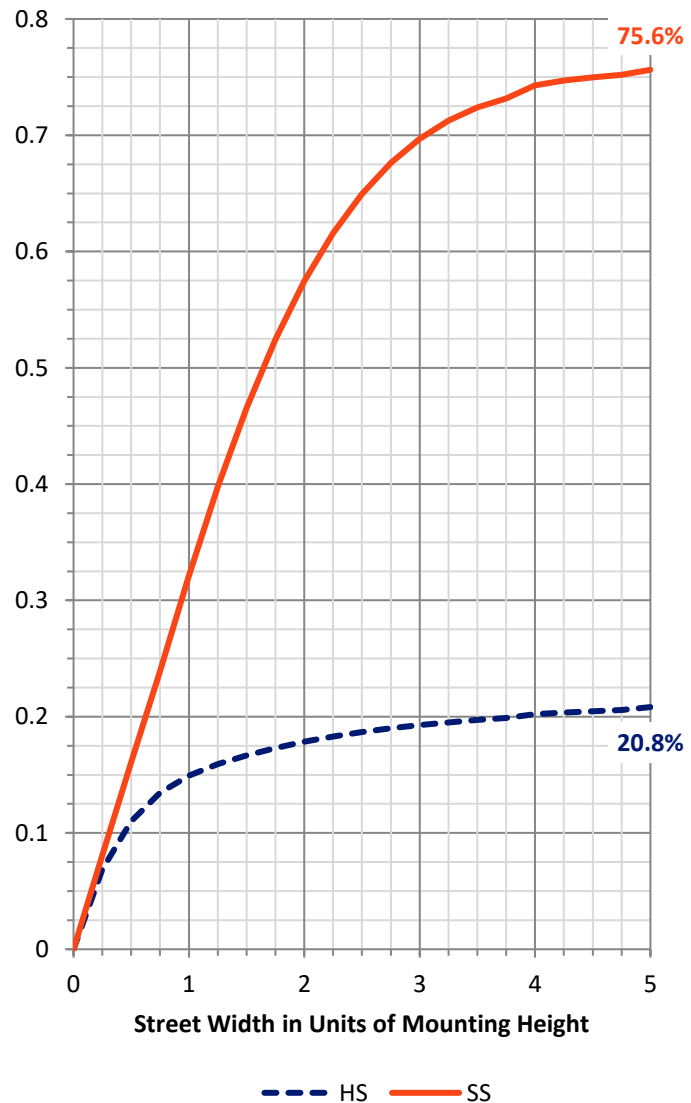
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	495.9	21.3	517.2
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	1713.5	17.8	1731.3
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	2209.4	39.1	2248.5
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	20.2	0.9
20°-30°	76.7	3.4
30°-40°	163.1	7.3
40°-50°	268.1	11.9
50°-60°	432.4	19.2
60°-70°	624.7	27.8
70°-80°	512.9	22.8
80°-90°	110.0	4.9
90°-100°	35.4	1.6
100°-110°	2.8	0.1
110°-120°	0.4	0.0
120°-130°	0.3	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°	2209.4	98.3
0°-180°	2248.5	100.0



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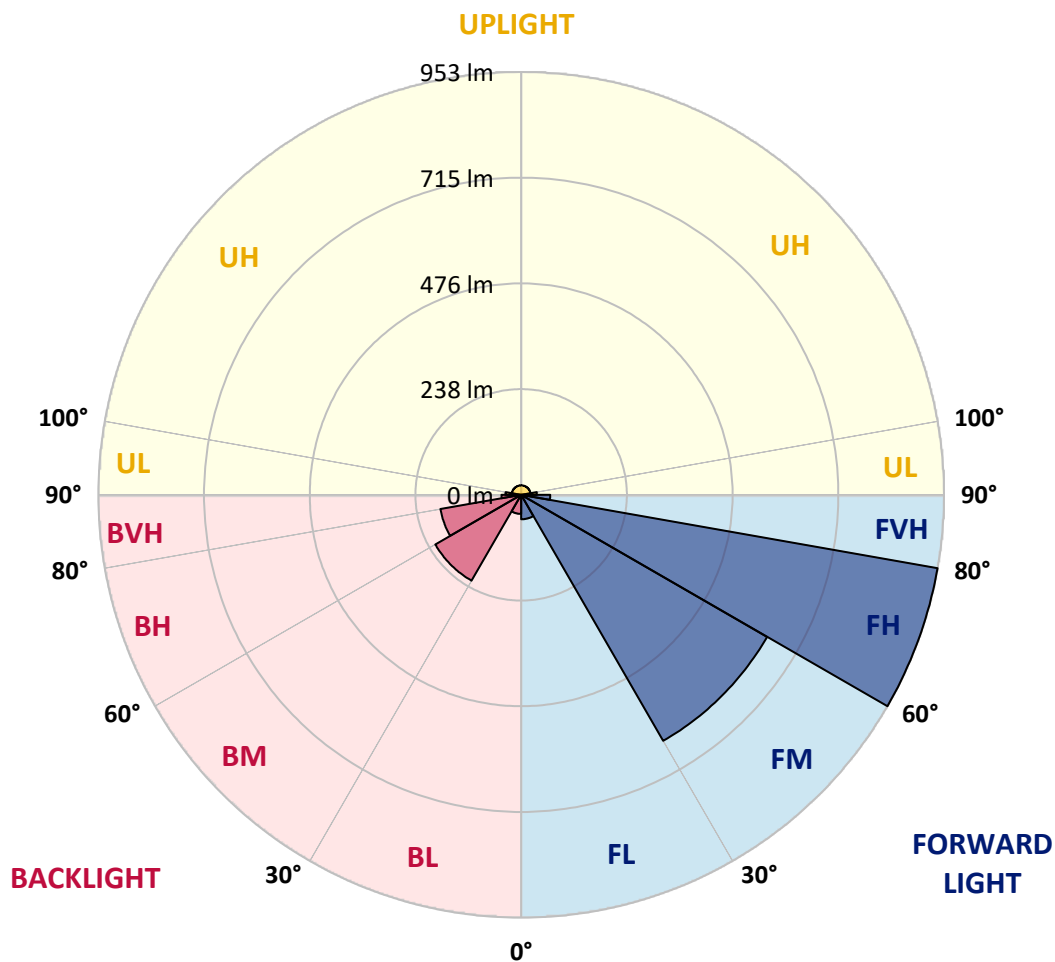
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-CL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.1	2.5			
FM	(30°-60°)	640.1	28.5			
FH	(60°-80°)	952.8	42.4			G1/1800
FVH	(80°-90°)	65.5	2.9			G1/100
BL	(0°-30°)	43.1	1.9	B0/110		
BM	(30°-60°)	223.5	9.9	B1/1000		
BH	(60°-80°)	184.8	8.2	B1/500		G1/500
BVH	(80°-90°)	44.5	2.0			G1/100
UL	(90°-100°)	35.4	1.6		U2/50	
UH	(100°-180°)	21.3	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°	1.8	1.6	1.3	1.1	1.1	0.8	0.8	0.8	1.1	1.1	1.1
5°	29.9	29.6	27.0	25.5	10.4	6.4	5.6	3.5	1.3	1.1	1.1
7.5°	35.5	35.0	34.2	35.7	33.4	29.1	26.7	15.6	4.3	1.3	1.1
10°	47.0	46.4	42.4	41.4	37.5	34.4	32.6	30.4	12.8	2.6	1.8
12.5°	88.8	85.9	83.5	70.7	47.7	38.7	38.5	36.0	30.1	27.2	33.1
15°	100.3	97.7	93.6	92.9	84.9	51.3	47.0	64.9	76.8	57.7	59.0
17.5°	113.6	115.0	109.7	98.5	91.6	97.9	107.8	95.3	84.3	70.2	71.2
20°	160.1	159.1	154.8	141.9	116.1	126.2	122.8	120.6	98.5	129.7	125.9
22.5°	166.3	166.0	163.9	156.1	166.8	134.5	133.4	148.6	146.5	149.1	143.7
25°	218.0	220.1	213.3	167.2	175.6	171.9	165.7	180.8	163.9	165.2	184.1
27.5°	228.5	227.4	223.7	214.2	185.7	203.7	202.0	191.6	212.7	224.2	225.5
30°	287.4	279.9	241.8	232.9	224.2	213.3	216.2	228.2	237.5	234.3	247.4
32.5°	316.0	314.1	308.0	273.2	242.5	236.2	251.7	255.8	250.5	296.7	319.5
35°	411.3	402.7	353.6	302.8	270.3	266.8	268.4	268.2	304.8	313.0	344.2
37.5°	530.6	519.3	480.6	371.5	295.1	279.3	292.7	306.4	318.9	343.0	366.9
40°	600.4	594.6	563.6	459.2	344.2	304.0	317.1	323.7	340.3	360.0	400.3
42.5°	654.0	653.6	634.0	521.1	411.3	343.0	345.4	346.2	358.4	390.4	438.1
45°	690.6	690.1	693.6	579.4	475.3	387.3	387.5	377.8	386.7	428.3	490.8
47.5°	736.0	728.0	736.0	641.1	530.8	439.8	435.0	412.6	431.0	480.8	563.9
50°	781.3	773.9	777.1	689.3	585.7	503.8	495.3	465.5	490.8	547.1	654.4
52.5°	840.6	831.0	816.6	740.2	660.3	570.6	558.6	534.3	557.8	630.3	768.5
55°	884.1	877.2	872.3	812.6	712.8	629.8	621.4	594.1	657.5	723.4	890.5
57.5°	918.0	920.6	935.4	901.2	811.5	694.9	681.6	670.1	751.7	833.6	1021.2
60°	953.8	948.7	984.8	983.7	895.1	760.2	762.9	761.3	847.9	938.7	1173.1
62.5°	951.6	955.6	1020.5	1042.2	966.8	847.6	857.9	855.1	946.3	1043.4	1285.8
65°	865.5	877.2	1018.3	1067.7	1055.7	950.8	968.1	965.8	1060.3	1132.6	1357.0
67.5°	808.8	823.9	957.0	1088.5	1140.0	1083.2	1097.1	1088.2	1141.6	1182.1	1357.2
70°	749.6	760.0	878.5	1096.8	1231.1	1255.8	1264.6	1210.1	1209.4	1210.5	1246.0
72.5°	610.0	611.5	718.6	969.7	1270.4	1442.9	1478.4	1358.8	1244.6	1157.4	1001.1
74°	442.7	439.2	548.7	793.3	1194.8	1483.7	1529.4	1396.8	1221.2	1061.4	793.3
75°	319.5	328.6	409.6	641.8	1078.1	1472.5	1519.2	1389.0	1172.6	963.8	645.2
77.5°	101.7	105.1	133.4	270.3	660.3	1206.8	1289.5	1167.2	892.8	609.0	333.6
80°	54.4	56.9	71.2	106.2	277.0	700.5	780.8	678.1	495.8	306.0	182.6
82.5°	32.6	34.2	46.7	64.0	143.5	290.8	344.2	282.1	241.5	176.1	127.5
85°	21.1	21.7	27.2	39.5	93.1	114.5	134.3	138.2	137.6	123.6	102.4
87.5°	11.7	12.0	12.8	16.8	42.7	60.1	54.7	66.9	80.1	79.5	90.6
90°	8.3	8.3	7.0	7.4	23.5	60.3	54.9	59.0	53.1	62.5	93.6
92.5°	7.7	7.9	6.4	6.7	18.7	59.2	66.2	65.9	54.4	65.3	94.2
95°	6.4	7.0	5.0	5.6	11.7	50.7	65.7	65.3	48.1	51.8	66.9
97.5°	5.0	5.4	3.5	4.3	7.0	25.9	39.5	37.5	25.3	21.9	26.1
100°	3.2	3.5	1.8	2.9	4.3	8.5	14.1	15.0	11.7	5.4	3.2
102.5°	3.2	3.5	1.3	1.8	1.8	2.4	3.2	2.6	3.8	1.8	2.6
105°	3.2	3.5	1.1	0.8	0.5	0.8	0.5	0.8	1.3	1.6	3.2
107.5°	2.4	2.6	0.5	0.5	0.2	0.5	0.5	0.5	0.8	1.3	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	1.6	1.6	0.2	0.2	0.0	0.5	0.5	0.5	0.8	1.1	1.6
112.5°	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.8	0.8	1.1
115°	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.8	1.3
117.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.3
120°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.3
122.5°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.3
125°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.3
127.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.1
130°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.1
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
142.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5
145°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.8
147.5°	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.8	0.8
150°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
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°	0.8	0.8	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.5	0.5	0.2	0.2	0.5	0.8	1.3	1.8	1.8
7.5°	1.1	0.8	0.8	0.8	0.8	3.8	13.6	23.7	29.9	32.0	31.4
10°	1.8	1.6	1.6	1.6	7.9	26.1	35.0	35.7	38.5	39.0	38.7
12.5°	40.0	34.2	21.3	10.2	28.0	36.6	38.1	40.9	42.7	56.0	58.7
15°	59.2	58.5	56.9	60.1	65.1	41.8	51.5	68.9	77.9	81.4	82.5
17.5°	71.0	69.9	65.3	75.8	80.3	79.5	76.8	82.5	83.8	87.0	86.8
20°	128.9	126.2	112.6	89.4	84.0	105.7	86.8	87.0	108.0	120.6	119.5
22.5°	142.2	141.0	133.4	131.3	113.2	111.8	116.1	119.0	128.4	132.9	132.3
25°	184.6	183.1	148.4	136.1	138.0	118.4	138.5	129.5	133.4	145.5	143.7
27.5°	229.0	225.2	198.0	166.0	138.2	147.3	139.6	152.6	166.3	173.5	174.3
30°	250.3	243.6	211.9	174.5	151.6	145.8	146.7	166.5	169.0	175.1	176.4
32.5°	330.6	325.0	270.1	179.3	151.9	139.3	154.3	162.8	188.4	201.7	202.7
35°	353.4	348.5	272.5	201.2	146.5	144.3	146.0	169.5	182.6	192.2	193.7
37.5°	377.8	369.7	277.0	188.9	150.8	134.5	141.2	153.9	176.7	193.2	197.4
40°	412.6	397.6	274.3	176.1	140.1	131.3	130.8	146.0	155.8	163.9	165.2
42.5°	456.8	431.2	275.9	164.1	130.4	122.3	124.3	131.3	134.7	135.3	135.3
45°	511.4	473.1	282.9	154.3	122.5	118.0	118.8	120.6	121.2	114.7	113.9
47.5°	584.6	527.0	288.8	146.5	116.6	115.0	112.6	113.6	111.6	103.0	101.9
50°	671.7	591.3	293.8	137.4	111.2	111.0	110.5	106.5	102.7	94.7	93.6
52.5°	764.9	667.5	296.5	127.5	107.0	107.8	108.3	101.7	96.3	90.2	89.7
55°	886.5	756.0	302.8	118.4	101.9	103.6	106.5	99.8	94.7	90.6	93.1
57.5°	1006.6	854.2	297.5	110.3	98.3	99.5	104.2	101.4	99.0	99.0	99.5
60°	1122.9	939.3	264.4	103.6	94.7	96.3	106.0	110.8	110.5	115.6	116.9
62.5°	1201.1	983.7	215.6	97.7	91.8	97.9	114.7	125.9	124.1	126.2	127.3
65°	1232.9	980.9	164.4	93.4	89.9	104.9	124.9	135.8	128.9	124.1	123.0
67.5°	1199.2	922.0	133.4	89.9	89.9	111.2	133.4	136.3	128.9	129.2	127.3
70°	1062.9	784.6	114.7	86.5	91.2	110.3	137.6	135.6	129.2	133.8	131.0
72.5°	797.6	559.1	103.0	84.0	90.6	106.0	135.3	135.3	129.9	138.8	136.1
74°	605.0	405.2	97.9	83.2	88.1	103.8	134.5	134.0	127.9	135.6	132.9
75°	476.6	309.5	94.7	82.2	86.5	102.4	133.2	132.6	126.7	135.1	132.9
77.5°	243.6	161.7	87.3	80.3	82.5	100.6	129.7	129.9	122.5	130.2	128.6
80°	155.2	122.5	77.7	74.2	79.5	100.8	127.5	126.2	117.7	126.2	122.5
82.5°	123.8	101.2	63.0	64.4	75.8	99.3	126.2	120.0	111.6	124.3	111.6
85°	99.3	85.1	43.4	47.5	67.2	91.2	120.4	107.5	98.8	100.6	99.0
87.5°	83.8	68.9	20.5	30.9	52.6	69.9	89.4	83.2	76.6	79.8	76.4
90°	84.9	66.2	14.6	23.7	47.5	58.1	71.2	62.5	58.7	59.8	57.7
92.5°	82.5	63.3	15.0	19.7	46.4	63.8	75.3	63.8	56.3	54.2	52.3
95°	55.7	43.8	13.8	15.6	29.6	50.1	60.8	48.3	39.3	34.8	33.4
97.5°	21.3	19.2	12.0	12.8	15.6	26.7	35.2	30.9	21.1	15.2	14.4
100°	3.2	5.4	9.9	12.0	9.1	10.2	14.6	16.5	10.7	1.1	0.8
102.5°	3.5	2.9	4.1	9.1	5.4	2.1	4.6	9.1	5.9	0.5	0.5
105°	4.1	3.2	1.6	4.1	1.3	0.2	0.2	1.8	1.3	0.2	0.5
107.5°	3.5	2.9	1.1	0.8	0.2	0.2	0.0	0.0	0.0	0.2	0.5



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-CL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1.8	1.8	1.1	0.5	0.2	0.2	0.0	0.0	0.0	0.5	0.5
112.5°	1.3	1.3	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.5	0.8
115°	1.6	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.8
117.5°	1.6	1.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.8	1.1
120°	1.6	1.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.8
122.5°	1.6	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.8
125°	1.3	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.5
127.5°	1.3	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5
130°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
132.5°	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	0.5	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)