

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: P255228

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255228  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)  
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-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2265.8 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G2

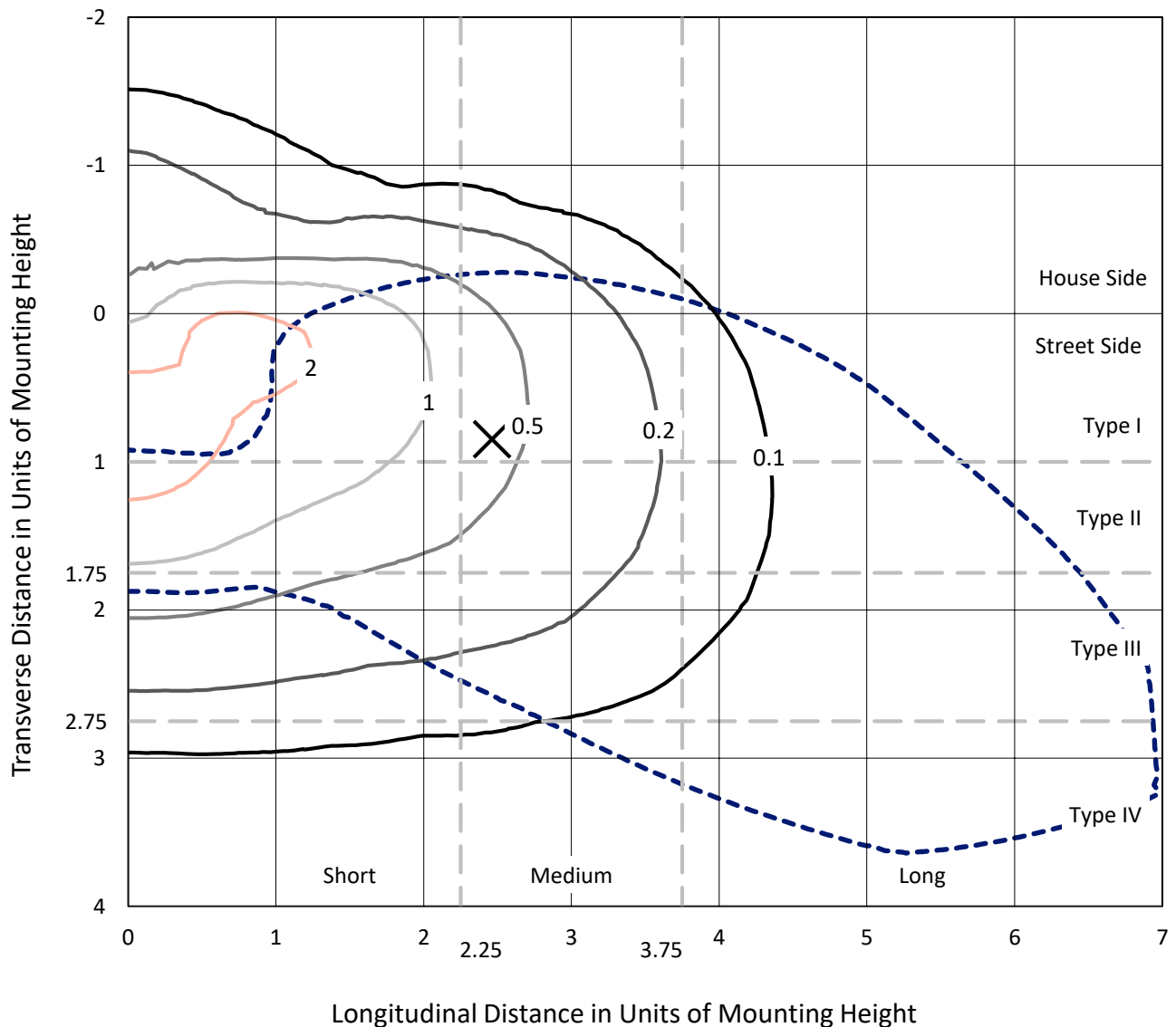
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

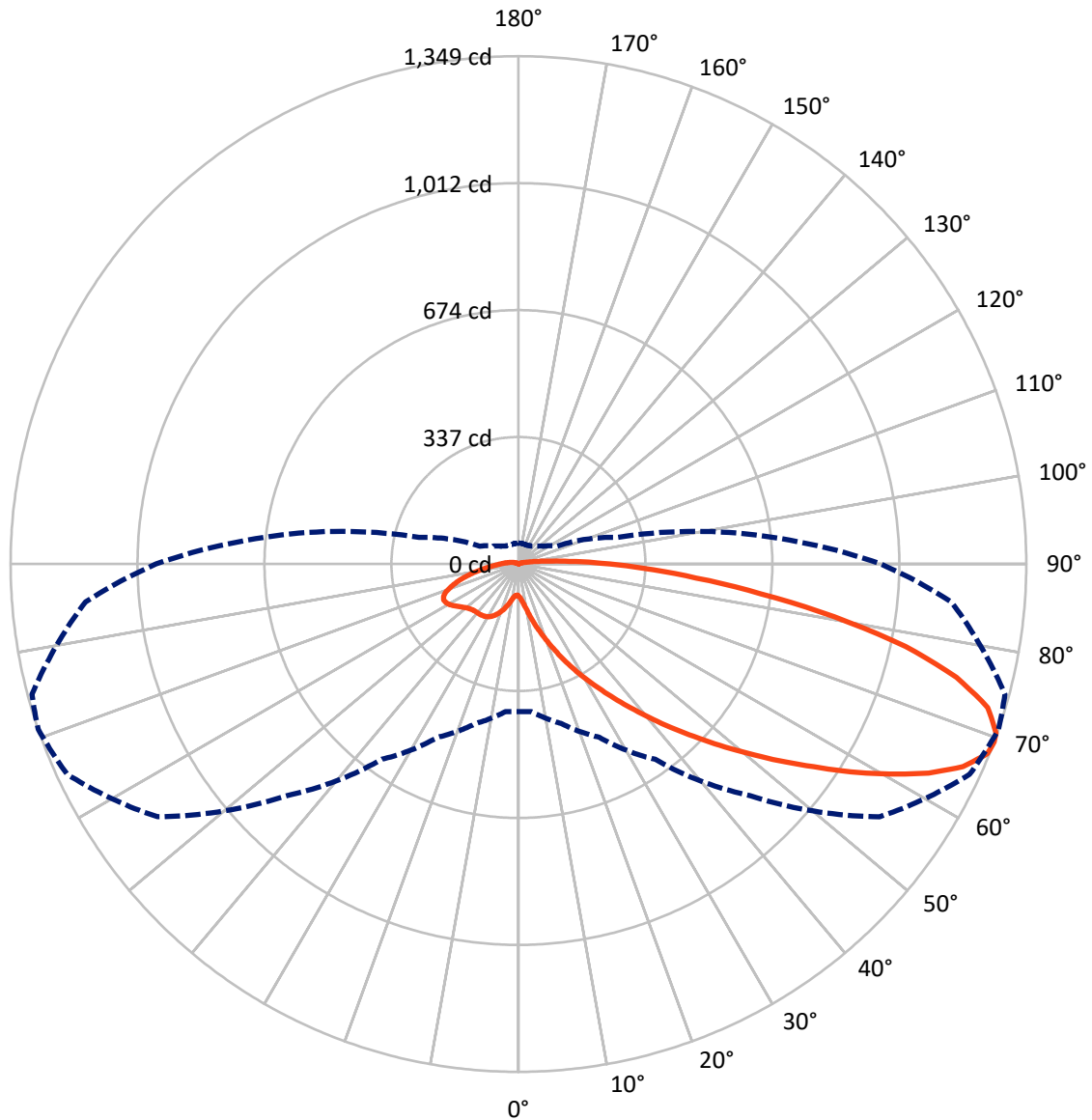
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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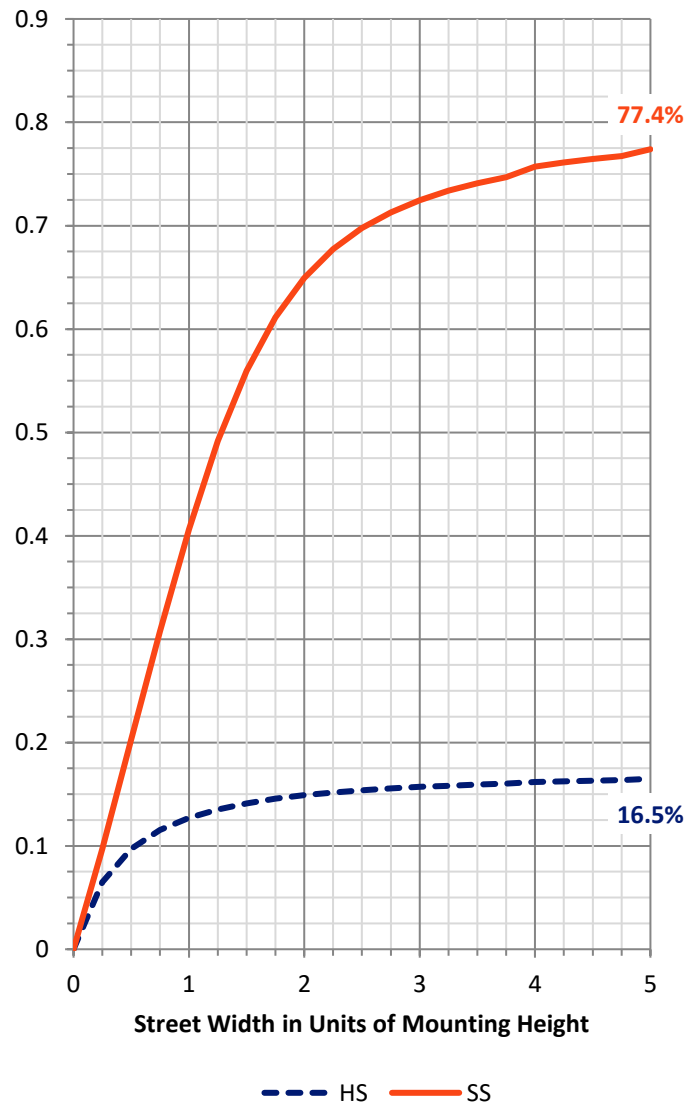
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	389.3	28.9	418.2
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	1802.9	44.8	1847.6
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	2192.1	73.7	2265.8
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.4
10°-20°	36.9	1.6
20°-30°	89.1	3.9
30°-40°	173.5	7.7
40°-50°	297.0	13.1
50°-60°	443.1	19.6
60°-70°	532.9	23.5
70°-80°	426.4	18.8
80°-90°	184.3	8.1
90°-100°	49.5	2.2
100°-110°	15.2	0.7
110°-120°	5.8	0.3
120°-130°	2.1	0.1
130°-140°	0.8	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2192.1	96.7
0°-180°	2265.8	100.0

**Coefficient of Utilization**



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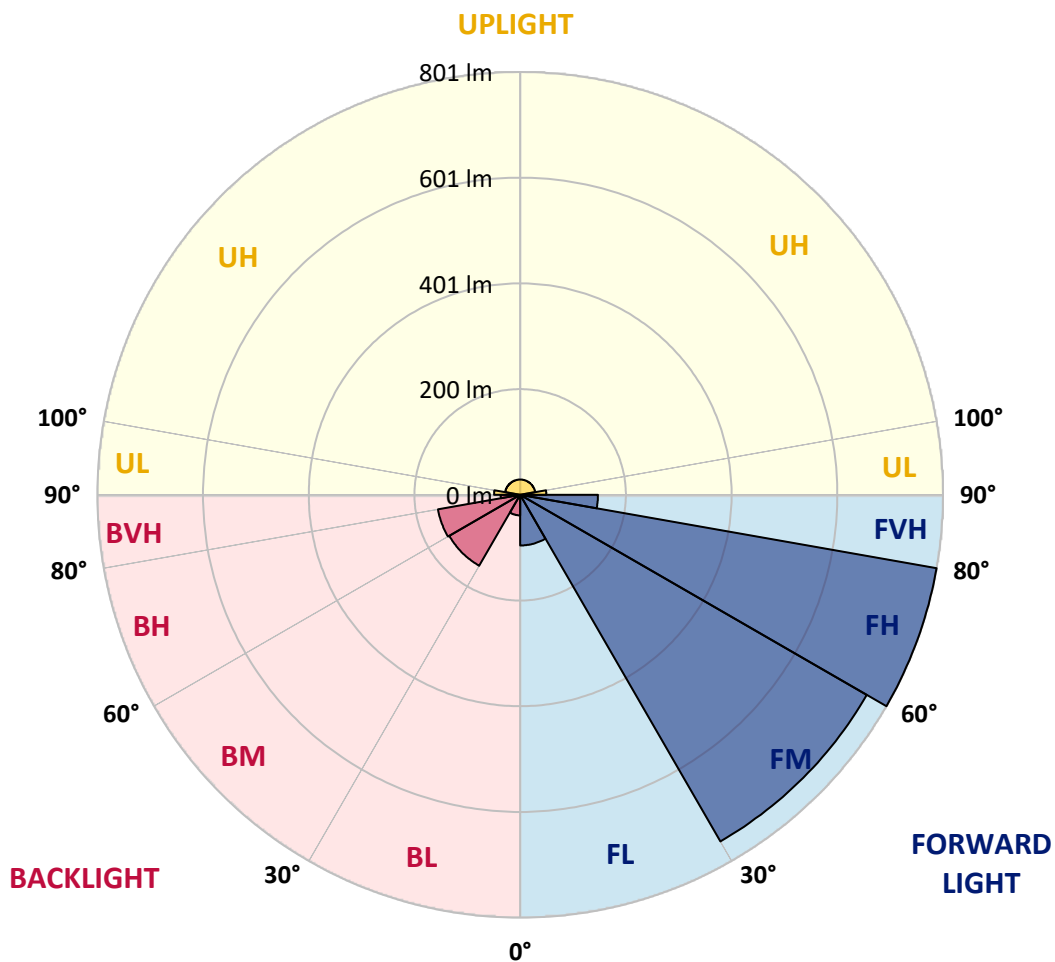
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.0	4.2			
FM	(30°-60°)	758.3	33.5			
FH	(60°-80°)	801.2	35.4			G1/1800
FVH	(80°-90°)	147.4	6.5			G2/225
BL	(0°-30°)	39.0	1.7	B0/110		
BM	(30°-60°)	155.3	6.9	B0/220		
BH	(60°-80°)	158.1	7.0	B1/500		G1/500
BVH	(80°-90°)	37.0	1.6			G1/100
UL	(90°-100°)	49.5	2.2		U2/50	
UH	(100°-180°)	28.9	1.3		U2/50	

**BUG Rating: B1-U2-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2.5°	96.3	96.3	96.0	96.3	94.8	94.3	92.6	90.9	89.8	89.5	87.0
5°	107.6	107.6	107.3	107.3	105.6	104.4	102.2	99.4	98.0	96.9	92.6
7.5°	120.6	120.3	120.0	120.3	118.9	116.3	114.4	110.7	109.3	107.0	101.7
10°	136.4	135.8	136.1	135.2	133.0	131.9	129.9	125.9	124.2	122.5	116.3
12.5°	155.6	155.6	155.0	153.3	151.1	150.5	149.7	147.4	145.2	142.9	134.1
15°	177.1	176.5	175.6	173.4	171.3	170.2	171.3	170.0	168.3	165.4	155.3
17.5°	201.6	200.5	199.1	196.2	193.1	193.6	194.8	193.6	191.4	190.6	178.4
20°	228.7	228.4	225.6	220.8	218.0	216.3	219.4	220.8	218.8	218.0	204.1
22.5°	260.9	258.9	255.2	249.3	244.2	241.4	244.8	249.9	249.3	248.2	233.5
25°	298.4	295.3	291.6	281.2	272.7	267.9	272.7	279.8	282.6	281.5	264.2
27.5°	340.5	336.2	330.3	318.2	304.3	294.7	301.6	310.9	317.9	318.4	297.6
30°	386.3	382.6	374.7	356.9	337.4	325.5	330.9	345.0	354.9	355.5	332.6
32.5°	438.4	434.5	418.7	399.8	374.7	358.2	363.7	382.0	393.8	397.8	370.7
35°	494.7	490.4	477.1	447.5	415.0	393.8	399.8	422.7	437.1	442.9	411.3
37.5°	554.5	547.5	532.2	499.2	462.5	435.4	438.2	465.0	484.8	492.3	456.8
40°	613.0	610.1	589.5	550.9	506.5	477.1	479.7	511.1	535.9	544.6	505.3
42.5°	672.8	666.4	646.8	601.9	553.1	521.2	527.4	562.7	593.2	602.8	556.2
45°	729.9	724.1	699.4	651.6	600.8	568.9	577.7	621.4	653.1	665.7	614.1
47.5°	781.5	774.2	749.0	697.3	647.6	619.2	630.4	682.4	719.4	734.1	679.0
50°	818.8	812.8	787.2	736.6	690.6	672.0	692.8	748.8	790.5	810.3	749.6
52.5°	835.1	832.4	807.7	762.3	727.8	724.5	762.9	820.2	867.7	889.0	825.0
55°	829.2	825.0	811.2	774.8	756.4	775.6	836.3	901.8	950.3	973.5	906.0
57.5°	795.7	792.8	791.7	768.8	773.0	824.4	908.9	993.3	1041.0	1059.6	987.0
60°	738.6	736.9	748.5	747.4	777.2	864.2	985.3	1090.1	1132.4	1153.9	1066.4
62.5°	653.6	657.6	684.1	707.0	763.4	890.8	1055.4	1178.4	1222.8	1238.3	1127.9
65°	554.2	561.3	596.9	643.4	731.5	901.8	1118.6	1255.3	1297.6	1303.2	1167.2
67.5°	443.9	455.1	497.5	562.1	676.8	891.6	1158.4	1306.9	1343.6	1336.6	1170.6
69°	391.9	393.3	438.2	507.7	633.3	869.9	1170.6	1322.2	1348.8	1337.7	1153.9
70°	353.7	356.0	400.4	472.1	601.1	848.7	1170.3	1325.8	1345.9	1328.7	1137.8
72.5°	262.0	270.5	314.6	388.5	518.3	775.6	1132.4	1305.5	1303.5	1272.4	1051.7
75°	190.3	197.3	239.7	312.8	436.5	679.3	1039.5	1221.4	1201.9	1162.1	920.1
77.5°	135.8	137.8	175.3	245.9	360.3	568.7	897.5	1071.2	1050.9	991.2	753.6
80°	91.8	93.5	124.2	186.1	290.0	467.3	738.9	878.1	851.0	786.3	572.0
82.5°	59.3	62.4	86.6	136.7	227.0	377.0	583.6	680.2	649.1	591.2	420.6
85°	41.5	42.4	60.1	98.8	170.5	291.6	443.2	506.3	474.0	426.4	293.6
87.5°	27.6	28.5	42.4	71.7	124.2	213.5	322.1	359.2	331.4	293.1	195.7
90°	17.5	18.9	29.4	51.1	89.5	149.0	222.8	240.6	220.8	189.5	121.4
92.5°	12.4	13.0	20.6	36.7	63.5	102.2	145.4	152.4	135.5	114.9	73.4
95°	8.5	9.0	14.9	26.3	45.7	68.8	92.6	92.9	79.4	67.7	46.5
97.5°	6.2	6.8	11.3	19.4	32.7	47.2	59.0	55.9	47.7	41.5	32.4
100°	5.1	5.3	9.0	14.9	23.7	33.3	38.7	35.0	30.8	27.6	23.7
102.5°	4.2	4.5	7.7	12.2	17.8	23.7	26.3	23.4	20.9	19.2	17.8
105°	3.7	4.0	6.4	10.1	14.4	17.5	18.6	16.7	15.2	14.1	13.3
107.5°	3.4	3.7	5.6	8.8	11.9	14.1	14.7	12.7	11.3	10.1	9.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	3.1	3.4	5.1	7.7	10.1	11.9	11.6	9.9	8.2	7.1	7.1
112.5°	2.9	3.1	4.5	6.8	8.8	9.9	9.6	7.4	5.9	5.1	5.1
115°	2.6	2.9	4.0	5.9	7.7	8.2	7.7	5.6	4.2	3.4	4.0
117.5°	2.3	2.6	3.4	5.1	6.4	6.8	5.9	4.2	3.1	2.6	2.9
120°	2.3	2.3	3.1	4.2	5.3	5.6	4.8	3.1	2.3	1.9	2.3
122.5°	1.9	2.3	2.9	3.7	4.5	4.5	3.7	2.3	1.7	1.7	1.9
125°	1.9	1.9	2.3	3.1	3.7	3.7	2.9	1.7	1.4	1.7	1.9
127.5°	1.7	1.9	2.3	2.9	3.1	3.1	2.3	1.4	1.4	1.4	1.7
130°	1.7	1.7	1.9	2.3	2.6	2.3	1.7	1.1	1.1	1.4	1.7
132.5°	1.7	1.7	1.7	1.9	2.3	1.7	1.1	1.1	1.1	1.1	1.7
135°	1.4	1.4	1.4	1.7	1.7	1.1	0.8	0.8	1.1	1.1	1.4
137.5°	1.1	1.1	1.1	1.1	1.1	0.8	0.6	0.8	0.8	1.1	1.4
140°	0.8	0.8	0.8	0.8	0.8	0.3	0.6	0.6	0.8	0.8	1.1
142.5°	0.6	0.6	0.6	0.8	0.6	0.3	0.3	0.6	0.8	0.8	1.1
145°	0.3	0.3	0.6	0.6	0.3	0.0	0.3	0.6	0.6	0.8	0.8
147.5°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.6	0.6	0.8
150°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.6	0.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2.5°	86.1	85.3	83.3	81.3	79.4	77.9	76.8	76.5	75.7	74.8	75.1
5°	90.6	88.7	85.3	81.0	77.0	73.7	71.2	68.8	67.5	65.8	66.1
7.5°	98.8	95.7	89.8	82.8	76.2	70.9	65.8	62.9	60.7	59.5	59.3
10°	111.2	107.0	97.1	87.0	77.0	69.2	62.9	59.3	57.1	55.6	55.6
12.5°	128.8	122.5	108.4	93.7	80.2	69.5	62.1	58.4	56.2	55.3	55.3
15°	147.9	139.7	120.8	100.8	83.3	70.3	62.4	58.4	56.5	55.6	55.3
17.5°	169.4	158.4	133.0	106.7	85.8	72.0	62.7	58.4	56.5	55.9	55.6
20°	192.5	178.7	145.4	112.3	87.8	72.3	62.4	58.2	56.8	56.5	56.5
22.5°	218.5	200.5	157.2	117.1	88.9	71.4	61.6	57.9	57.1	57.3	57.3
25°	245.6	223.0	168.6	120.0	87.8	69.5	60.7	57.9	57.6	58.4	58.4
27.5°	274.5	245.6	178.4	121.9	85.5	66.6	59.3	57.9	58.2	59.3	59.3
30°	304.6	268.8	186.9	121.7	82.8	64.3	58.4	57.6	58.7	60.5	60.5
32.5°	336.6	292.8	194.0	120.0	79.4	62.7	57.6	57.9	59.5	61.6	61.8
35°	369.3	315.4	199.6	116.6	76.2	61.3	57.6	58.4	60.5	62.7	62.9
37.5°	405.7	340.7	204.7	113.5	74.0	60.7	57.9	58.7	61.0	63.5	64.1
40°	445.0	368.5	208.4	109.6	72.3	61.0	58.4	59.3	61.3	64.1	64.7
42.5°	486.7	396.7	212.4	106.5	70.9	61.3	59.3	59.5	61.6	64.7	65.3
45°	534.2	428.3	216.9	103.6	70.6	62.4	59.8	59.5	61.3	65.3	65.5
47.5°	588.4	467.8	223.6	101.7	70.6	63.2	60.5	59.5	61.0	65.3	65.8
50°	647.6	509.3	231.8	101.1	71.4	64.3	61.0	59.5	60.7	64.1	64.7
52.5°	710.6	556.2	242.8	101.4	72.5	65.3	61.6	59.3	59.8	62.4	62.7
55°	780.6	606.2	255.2	103.0	74.3	66.4	61.8	58.7	58.7	60.5	60.5
57.5°	849.3	658.2	268.8	105.1	76.5	67.5	61.8	58.2	57.9	59.0	59.0
60°	912.8	701.6	282.0	107.6	78.5	68.0	61.6	57.6	57.1	57.9	58.2
62.5°	965.9	736.9	290.2	110.4	80.2	68.3	61.0	57.1	56.5	57.3	57.3
65°	989.0	753.8	292.0	112.3	81.8	68.0	60.1	56.2	55.9	56.5	56.8
67.5°	985.1	744.2	283.8	112.6	82.4	67.7	59.3	55.3	55.3	55.9	55.9
69°	962.5	723.6	273.3	112.1	82.4	66.9	58.4	54.7	55.0	55.6	55.6
70°	941.0	701.6	263.1	110.7	82.1	66.4	57.6	54.2	54.7	55.3	55.3
72.5°	858.6	629.6	236.3	106.2	79.9	64.3	55.9	52.5	53.6	54.7	54.5
75°	739.2	533.9	204.7	99.1	76.2	61.6	53.6	50.5	52.3	53.6	53.4
77.5°	594.8	426.9	171.7	90.9	71.7	57.9	50.8	48.3	50.2	52.0	51.7
80°	452.6	327.8	139.4	81.8	65.8	53.9	47.7	45.4	48.0	49.4	49.1
82.5°	330.9	239.7	109.6	72.8	60.1	49.7	44.1	42.4	44.9	46.3	45.7
85°	229.6	167.5	84.7	62.9	53.9	44.9	40.1	39.0	41.2	42.4	41.7
87.5°	151.6	112.9	65.5	54.5	48.0	40.4	36.4	35.3	37.5	38.2	37.8
90°	96.3	75.7	52.0	46.9	42.4	35.9	32.4	31.9	33.6	33.9	33.0
92.5°	61.6	52.0	42.0	40.4	37.0	31.9	29.1	28.2	29.7	29.7	28.8
95°	42.7	38.7	34.5	34.7	32.2	27.9	25.4	25.2	25.7	25.2	24.9
97.5°	30.8	29.4	28.5	29.7	27.9	24.2	22.3	21.8	22.0	21.2	20.9
100°	23.4	23.1	23.7	24.9	23.7	20.9	19.2	18.9	18.6	17.2	17.2
102.5°	18.1	18.1	19.4	21.2	20.0	17.8	16.7	16.1	15.2	13.8	13.5
105°	13.8	14.1	16.1	17.5	17.0	14.9	14.1	13.3	12.2	10.7	10.7
107.5°	10.4	11.0	13.0	14.4	13.8	12.4	11.6	10.7	9.6	8.2	8.5



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.9	8.5	10.4	11.6	11.3	10.4	9.6	8.8	7.4	6.2	6.4
112.5°	5.9	6.4	8.2	9.3	9.3	8.5	7.7	6.8	5.3	4.8	4.8
115°	4.5	5.1	6.4	7.4	7.4	6.4	5.9	5.1	4.0	3.7	3.7
117.5°	3.4	4.0	5.1	5.9	5.6	5.1	4.5	4.0	3.1	2.9	2.9
120°	2.9	3.1	4.0	4.5	4.2	4.0	3.4	2.9	2.3	2.3	2.3
122.5°	2.3	2.6	3.1	3.4	3.1	2.9	2.6	1.9	1.7	1.7	1.7
125°	1.9	2.3	2.6	2.6	2.3	1.9	1.7	1.4	1.1	1.4	1.4
127.5°	1.9	1.9	2.3	1.9	1.7	1.4	1.1	0.8	0.8	1.1	1.1
130°	1.7	1.9	1.9	1.7	1.4	0.8	0.8	0.6	0.6	0.8	0.8
132.5°	1.7	1.7	1.7	1.4	1.1	0.6	0.3	0.3	0.6	0.6	0.6
135°	1.4	1.7	1.4	1.1	0.8	0.6	0.0	0.3	0.3	0.3	0.3
137.5°	1.4	1.4	1.4	1.1	0.6	0.3	0.0	0.0	0.3	0.0	0.0
140°	1.1	1.1	1.1	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)