

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: P266004

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266004  
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-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 1923.6 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

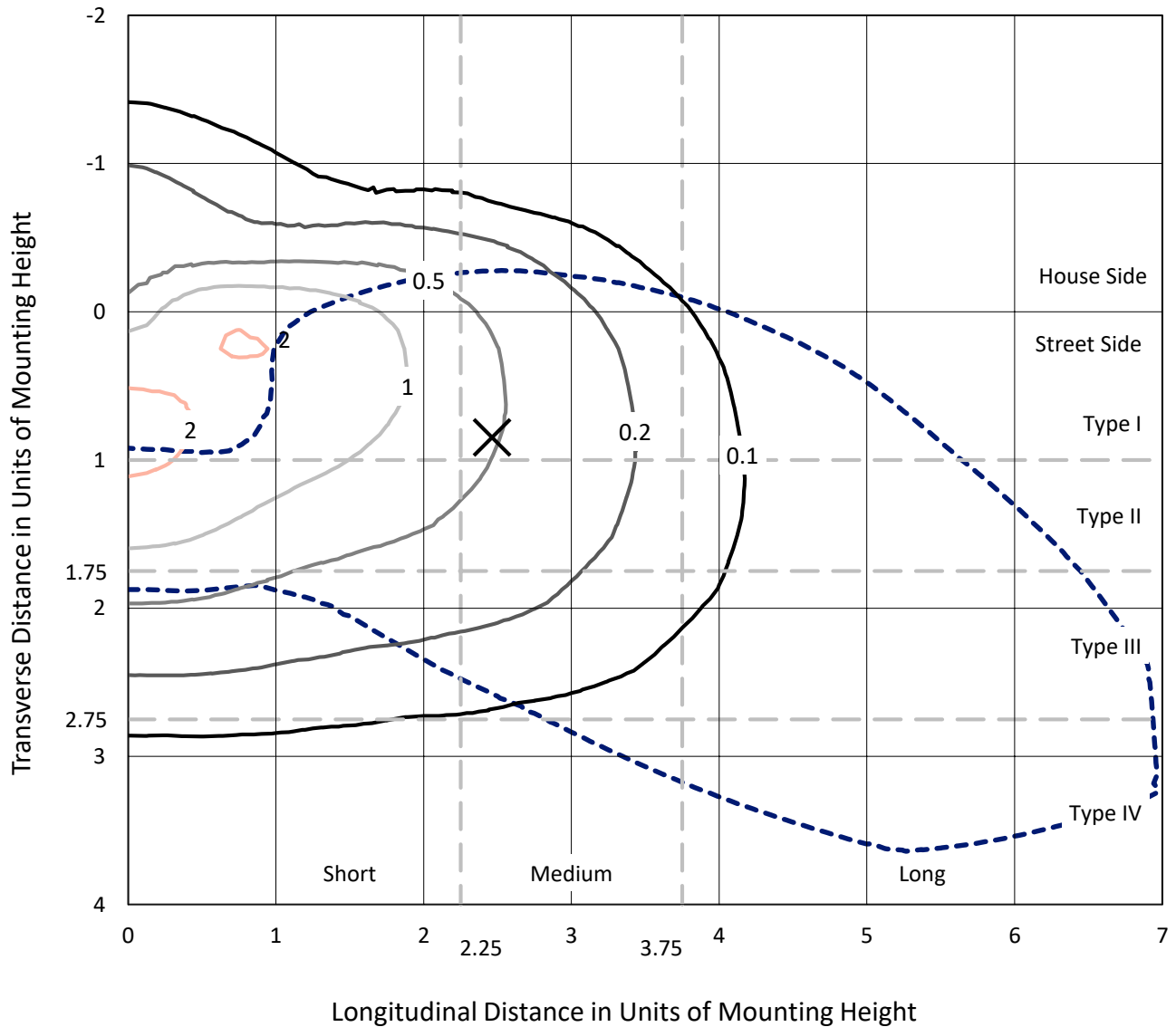


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

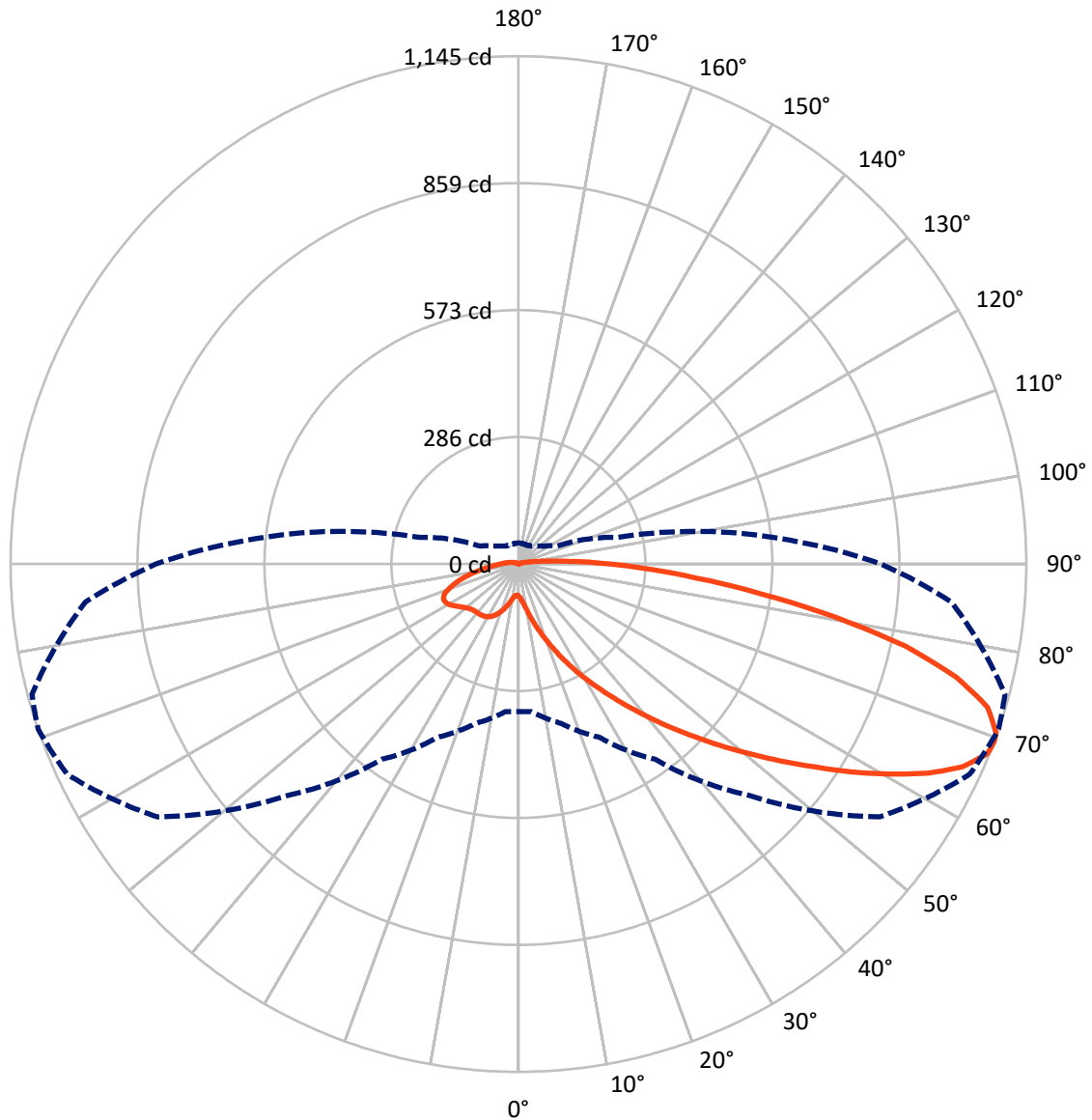


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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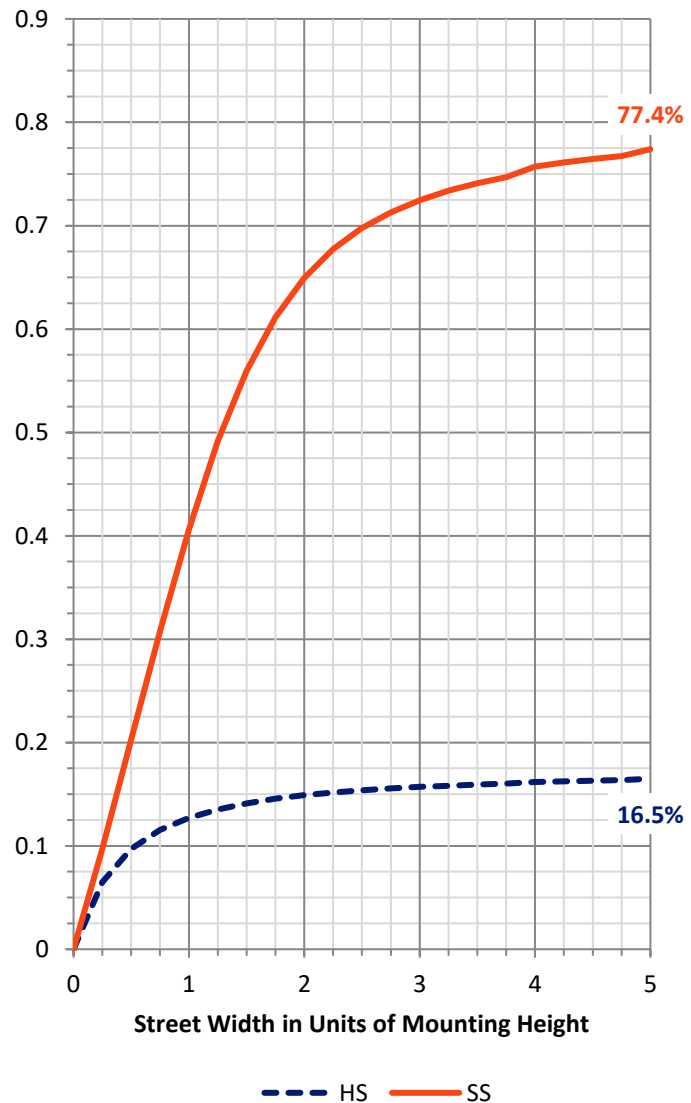
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	330.5	24.5	355.0
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	1530.6	38.0	1568.6
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	1861.1	62.5	1923.6
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.4
10°-20°	31.3	1.6
20°-30°	75.7	3.9
30°-40°	147.3	7.7
40°-50°	252.1	13.1
50°-60°	376.2	19.6
60°-70°	452.4	23.5
70°-80°	362.0	18.8
80°-90°	156.5	8.1
90°-100°	42.0	2.2
100°-110°	12.9	0.7
110°-120°	4.9	0.3
120°-130°	1.8	0.1
130°-140°	0.7	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°	1861.1	96.7
0°-180°	1923.6	100.0



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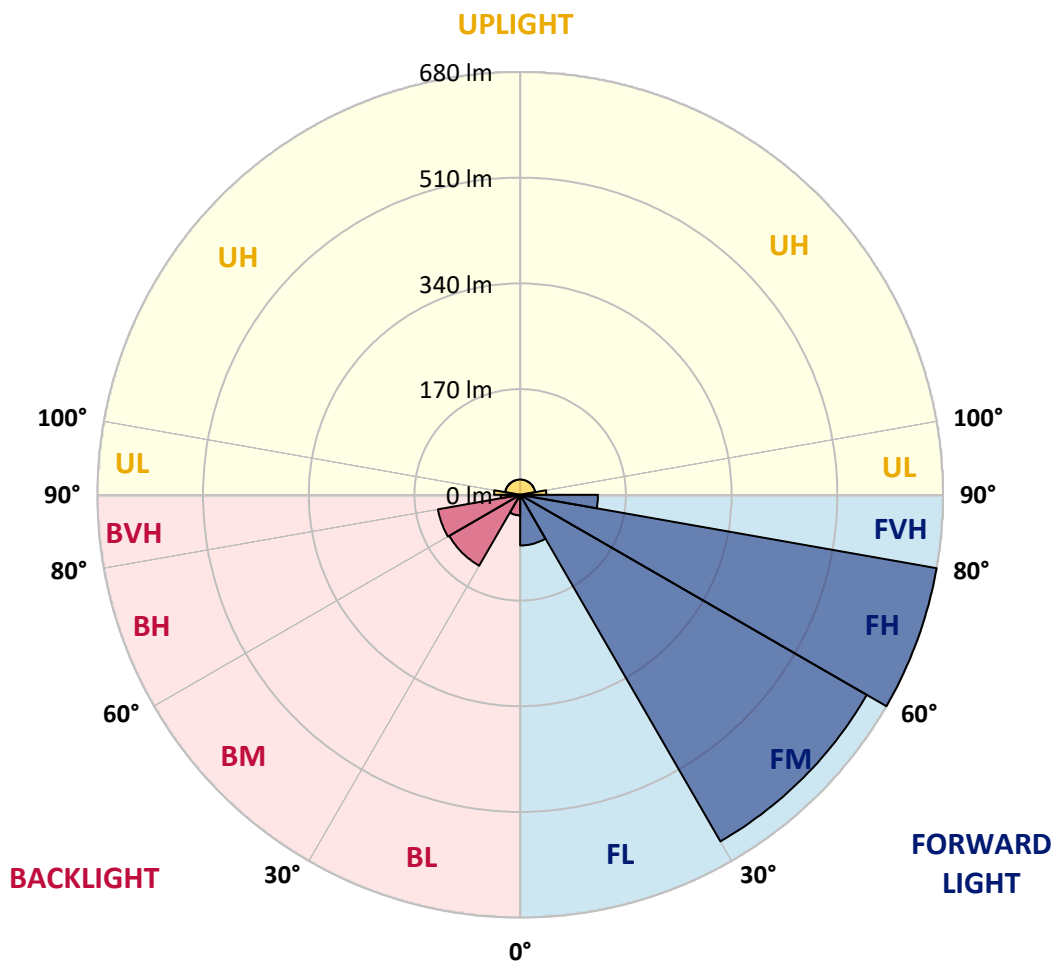
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.5	4.2			
FM	(30°-60°)	643.8	33.5			
FH	(60°-80°)	680.2	35.4			G1/1800
FVH	(80°-90°)	125.1	6.5			G2/225
BL	(0°-30°)	33.1	1.7	B0/110		
BM	(30°-60°)	131.8	6.9	B0/220		
BH	(60°-80°)	134.2	7.0	B1/500		G1/500
BVH	(80°-90°)	31.4	1.6			G1/100
UL	(90°-100°)	42.0	2.2		U2/50	
UH	(100°-180°)	24.5	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°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
2.5°	81.7	81.7	81.4	81.7	80.6	80.0	78.6	77.2	76.3	75.9	73.8
5°	91.4	91.4	91.1	91.1	89.7	88.8	86.7	84.4	83.2	82.3	78.6
7.5°	102.3	102.0	101.9	102.0	100.9	98.8	97.0	94.0	92.7	90.9	86.2
10°	115.8	115.3	115.5	114.9	112.8	112.0	110.2	106.9	105.6	104.1	98.8
12.5°	132.1	132.1	131.6	130.2	128.3	127.7	127.0	125.1	123.2	121.4	113.8
15°	150.2	149.7	149.1	147.2	145.4	144.5	145.4	144.3	142.9	140.4	131.8
17.5°	171.1	170.1	169.1	166.5	164.0	164.4	165.4	164.4	162.6	161.9	151.5
20°	194.2	193.9	191.5	187.4	185.1	183.7	186.3	187.4	185.8	185.1	173.4
22.5°	221.5	219.8	216.8	211.7	207.4	205.0	207.8	212.1	211.7	210.7	198.3
25°	253.3	250.7	247.7	238.8	231.6	227.5	231.6	237.5	239.9	238.9	224.3
27.5°	289.1	285.5	280.5	270.1	258.4	250.3	255.9	263.9	269.9	270.4	252.7
30°	327.9	324.7	318.1	303.0	286.5	276.4	280.9	292.8	301.3	301.8	282.3
32.5°	372.3	368.9	355.5	339.4	318.1	304.2	308.7	324.3	334.3	337.8	314.8
35°	420.0	416.4	405.0	380.0	352.3	334.3	339.4	358.9	371.1	376.1	349.3
37.5°	470.8	464.9	451.8	423.8	392.6	369.7	372.0	394.7	411.6	418.0	387.9
40°	520.4	518.1	500.4	467.7	430.0	405.0	407.2	433.9	454.9	462.4	429.1
42.5°	571.2	565.8	549.1	511.0	469.5	442.4	447.7	477.7	503.6	511.8	472.1
45°	619.7	614.8	593.8	553.3	510.1	483.0	490.5	527.6	554.4	565.3	521.3
47.5°	663.5	657.3	635.9	592.1	549.9	525.7	535.3	579.3	610.8	623.2	576.5
50°	695.2	690.1	668.2	625.4	586.4	570.6	588.2	635.7	671.2	687.9	636.4
52.5°	709.0	706.6	685.8	647.1	617.9	615.1	647.7	696.4	736.6	754.8	700.4
55°	704.0	700.4	688.7	657.7	642.2	658.5	710.0	765.6	806.9	826.5	769.2
57.5°	675.4	673.1	672.1	652.7	656.3	699.9	771.6	843.2	883.8	899.7	837.9
60°	627.0	625.6	635.5	634.6	660.0	733.7	836.6	925.6	961.5	979.7	905.3
62.5°	555.0	558.2	580.8	600.2	648.1	756.3	896.0	1000.5	1038.3	1051.3	957.7
65°	470.5	476.6	506.7	546.3	621.1	765.6	949.7	1065.7	1101.7	1106.5	990.9
67.5°	376.7	386.5	422.4	477.3	574.6	757.0	983.6	1109.5	1140.8	1134.7	993.9
69°	332.7	333.9	372.0	430.9	537.6	738.5	993.9	1122.5	1145.1	1135.7	979.7
70°	300.4	302.3	339.9	400.7	510.3	720.5	993.5	1125.7	1142.6	1128.0	965.9
72.5°	222.4	229.6	267.1	329.9	440.1	658.5	961.5	1108.4	1106.7	1080.3	892.8
75°	161.5	167.5	203.5	265.5	370.6	576.7	882.6	1037.0	1020.5	986.6	781.2
77.5°	115.3	117.0	148.8	208.8	305.9	482.7	762.0	909.4	892.1	841.6	639.8
80°	78.0	79.3	105.6	157.9	246.1	396.7	627.2	745.5	722.4	667.6	485.7
82.5°	50.3	53.0	73.7	116.1	192.7	319.9	495.4	577.4	551.1	502.0	357.2
85°	35.3	35.9	51.1	83.9	144.7	247.7	376.3	429.7	402.5	361.9	249.3
87.5°	23.4	24.3	35.9	60.8	105.6	181.2	273.5	305.0	281.3	248.8	166.0
90°	14.8	16.1	25.0	43.4	75.9	126.7	189.2	204.3	187.4	160.8	103.0
92.5°	10.5	11.0	17.4	31.1	54.0	86.7	123.4	129.4	115.1	97.6	62.3
95°	7.1	7.6	12.7	22.3	38.8	58.5	78.6	79.0	67.4	57.5	39.5
97.5°	5.3	5.7	9.6	16.6	27.8	40.1	50.0	47.5	40.6	35.3	27.6
100°	4.3	4.5	7.6	12.7	20.1	28.2	32.9	29.7	26.1	23.4	20.1
102.5°	3.7	3.9	6.5	10.3	15.1	20.1	22.3	19.9	17.7	16.3	15.1
105°	3.1	3.4	5.5	8.7	12.2	14.8	15.8	14.2	12.9	11.9	11.3
107.5°	2.9	3.1	4.9	7.5	10.2	11.9	12.4	10.8	9.6	8.7	8.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	2.6	2.9	4.3	6.5	8.7	10.2	9.8	8.4	6.9	6.0	6.0
112.5°	2.3	2.6	3.9	5.7	7.5	8.4	8.2	6.2	5.0	4.3	4.3
115°	2.2	2.3	3.4	5.0	6.5	6.9	6.5	4.9	3.7	2.9	3.4
117.5°	1.9	2.2	2.9	4.3	5.5	5.7	5.0	3.7	2.6	2.2	2.3
120°	1.9	1.9	2.6	3.7	4.5	4.9	4.1	2.6	1.9	1.6	1.9
122.5°	1.6	1.9	2.3	3.1	3.9	3.9	3.1	1.9	1.4	1.4	1.6
125°	1.6	1.6	1.9	2.6	3.1	3.1	2.3	1.4	1.2	1.4	1.6
127.5°	1.4	1.6	1.9	2.3	2.6	2.6	1.9	1.2	1.2	1.2	1.4
130°	1.4	1.4	1.6	1.9	2.2	1.9	1.4	1.0	1.0	1.2	1.4
132.5°	1.4	1.4	1.4	1.6	1.9	1.4	1.0	1.0	1.0	1.0	1.4
135°	1.2	1.2	1.2	1.4	1.4	1.0	0.7	0.7	1.0	1.0	1.2
137.5°	1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.7	0.7	1.0	1.2
140°	0.7	0.7	0.7	0.7	0.7	0.2	0.4	0.4	0.7	0.7	1.0
142.5°	0.4	0.4	0.4	0.7	0.4	0.2	0.2	0.4	0.7	0.7	1.0
145°	0.2	0.2	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.7	0.7
147.5°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
150°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
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°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
2.5°	73.1	72.5	70.6	69.0	67.4	66.1	65.1	64.9	64.3	63.5	63.8
5°	77.0	75.3	72.5	68.8	65.4	62.5	60.4	58.5	57.3	55.9	56.1
7.5°	83.9	81.2	76.3	70.2	64.7	60.1	55.9	53.4	51.6	50.6	50.3
10°	94.4	90.9	82.5	73.8	65.4	58.7	53.4	50.3	48.4	47.3	47.3
12.5°	109.4	104.1	92.0	79.6	68.1	59.0	52.7	49.6	47.7	47.0	47.0
15°	125.7	118.7	102.5	85.6	70.6	59.6	53.0	49.6	47.9	47.3	47.0
17.5°	143.8	134.4	112.8	90.5	72.9	61.2	53.2	49.6	47.9	47.5	47.3
20°	163.5	151.8	123.4	95.4	74.6	61.4	53.0	49.3	48.1	47.9	47.9
22.5°	185.5	170.1	133.5	99.5	75.5	60.6	52.2	49.1	48.4	48.7	48.7
25°	208.5	189.4	143.1	101.9	74.6	59.0	51.6	49.1	48.9	49.6	49.6
27.5°	233.0	208.5	151.5	103.6	72.7	56.6	50.3	49.1	49.3	50.3	50.3
30°	258.6	228.2	158.7	103.3	70.2	54.6	49.6	48.9	49.9	51.4	51.4
32.5°	285.8	248.7	164.7	101.9	67.4	53.2	48.9	49.1	50.6	52.2	52.6
35°	313.5	267.8	169.5	99.1	64.7	52.0	48.9	49.6	51.4	53.2	53.4
37.5°	344.5	289.3	173.8	96.4	62.8	51.6	49.1	49.9	51.8	54.0	54.3
40°	377.7	312.8	176.8	93.1	61.4	51.8	49.6	50.3	52.0	54.3	54.8
42.5°	413.2	336.8	180.3	90.4	60.1	52.0	50.3	50.6	52.2	54.8	55.3
45°	453.6	363.6	184.2	87.9	59.9	53.0	50.8	50.6	52.0	55.3	55.7
47.5°	499.5	397.2	189.8	86.2	59.9	53.7	51.4	50.6	51.8	55.3	55.9
50°	549.9	432.4	196.8	85.8	60.6	54.6	51.8	50.6	51.6	54.3	54.8
52.5°	603.3	472.1	206.2	86.1	61.7	55.3	52.2	50.3	50.8	53.0	53.2
55°	662.8	514.6	216.8	87.5	63.1	56.4	52.6	49.9	49.9	51.4	51.4
57.5°	721.0	558.7	228.2	89.2	64.9	57.3	52.6	49.3	49.1	50.0	50.0
60°	775.0	595.7	239.5	91.4	66.7	57.9	52.2	48.9	48.4	49.1	49.3
62.5°	820.1	625.6	246.4	93.8	68.1	58.0	51.8	48.4	47.9	48.7	48.7
65°	839.6	640.0	247.8	95.4	69.4	57.9	51.1	47.7	47.5	47.9	48.1
67.5°	836.3	631.9	240.8	95.6	70.0	57.5	50.3	47.0	47.0	47.5	47.5
69°	817.2	614.4	232.0	95.2	70.0	56.9	49.6	46.5	46.7	47.3	47.3
70°	799.0	595.7	223.4	94.0	69.8	56.4	48.9	46.1	46.5	47.0	47.0
72.5°	729.0	534.5	200.6	90.1	67.8	54.6	47.5	44.6	45.5	46.5	46.3
75°	627.6	453.3	173.8	84.1	64.7	52.2	45.5	42.8	44.3	45.5	45.4
77.5°	505.0	362.5	145.7	77.2	60.8	49.1	43.2	41.1	42.7	44.0	43.8
80°	384.2	278.3	118.3	69.4	55.9	45.8	40.6	38.5	40.8	42.0	41.7
82.5°	280.9	203.5	93.1	61.9	51.1	42.2	37.4	35.9	38.1	39.3	38.8
85°	194.9	142.1	72.0	53.4	45.8	38.1	34.0	33.1	35.0	35.9	35.5
87.5°	128.7	95.8	55.7	46.3	40.8	34.2	30.9	30.0	31.9	32.3	32.1
90°	81.7	64.3	44.0	39.7	35.9	30.5	27.6	27.0	28.6	28.7	28.0
92.5°	52.2	44.0	35.8	34.2	31.4	27.0	24.8	24.0	25.2	25.2	24.4
95°	36.2	32.9	29.3	29.5	27.3	23.7	21.6	21.3	21.7	21.3	21.1
97.5°	26.1	25.0	24.3	25.2	23.7	20.7	19.0	18.4	18.7	18.0	17.7
100°	19.9	19.7	20.1	21.1	20.1	17.7	16.3	16.1	15.8	14.6	14.6
102.5°	15.4	15.4	16.6	18.0	17.0	15.1	14.2	13.7	12.9	11.8	11.5
105°	11.8	11.9	13.7	14.8	14.5	12.7	11.9	11.3	10.3	9.2	9.2
107.5°	8.9	9.3	11.0	12.2	11.8	10.5	9.8	9.2	8.2	6.9	7.1



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.6	7.1	8.9	9.8	9.6	8.9	8.2	7.5	6.2	5.3	5.5
112.5°	5.0	5.5	6.9	7.9	7.9	7.1	6.5	5.7	4.5	4.1	4.1
115°	3.9	4.3	5.5	6.2	6.2	5.5	5.0	4.3	3.4	3.1	3.1
117.5°	2.9	3.4	4.3	5.0	4.9	4.3	3.9	3.4	2.6	2.3	2.3
120°	2.3	2.6	3.4	3.9	3.7	3.4	2.9	2.3	1.9	1.9	1.9
122.5°	1.9	2.2	2.6	2.9	2.6	2.3	2.2	1.6	1.4	1.4	1.4
125°	1.6	1.9	2.2	2.2	1.9	1.6	1.4	1.2	1.0	1.2	1.2
127.5°	1.6	1.6	1.9	1.6	1.4	1.2	1.0	0.7	0.7	1.0	1.0
130°	1.4	1.6	1.6	1.4	1.2	0.7	0.7	0.4	0.4	0.7	0.7
132.5°	1.4	1.4	1.4	1.2	1.0	0.4	0.2	0.2	0.4	0.4	0.4
135°	1.2	1.4	1.2	1.0	0.7	0.4	0.0	0.2	0.2	0.2	0.2
137.5°	1.2	1.2	1.2	1.0	0.4	0.2	0.0	0.0	0.2	0.0	0.0
140°	1.0	1.0	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.4	0.4	0.2	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)