

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: P266010

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
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-T2U-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2016 lumens  
Efficiency: N/A  
Efficacy: 96.0 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 (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

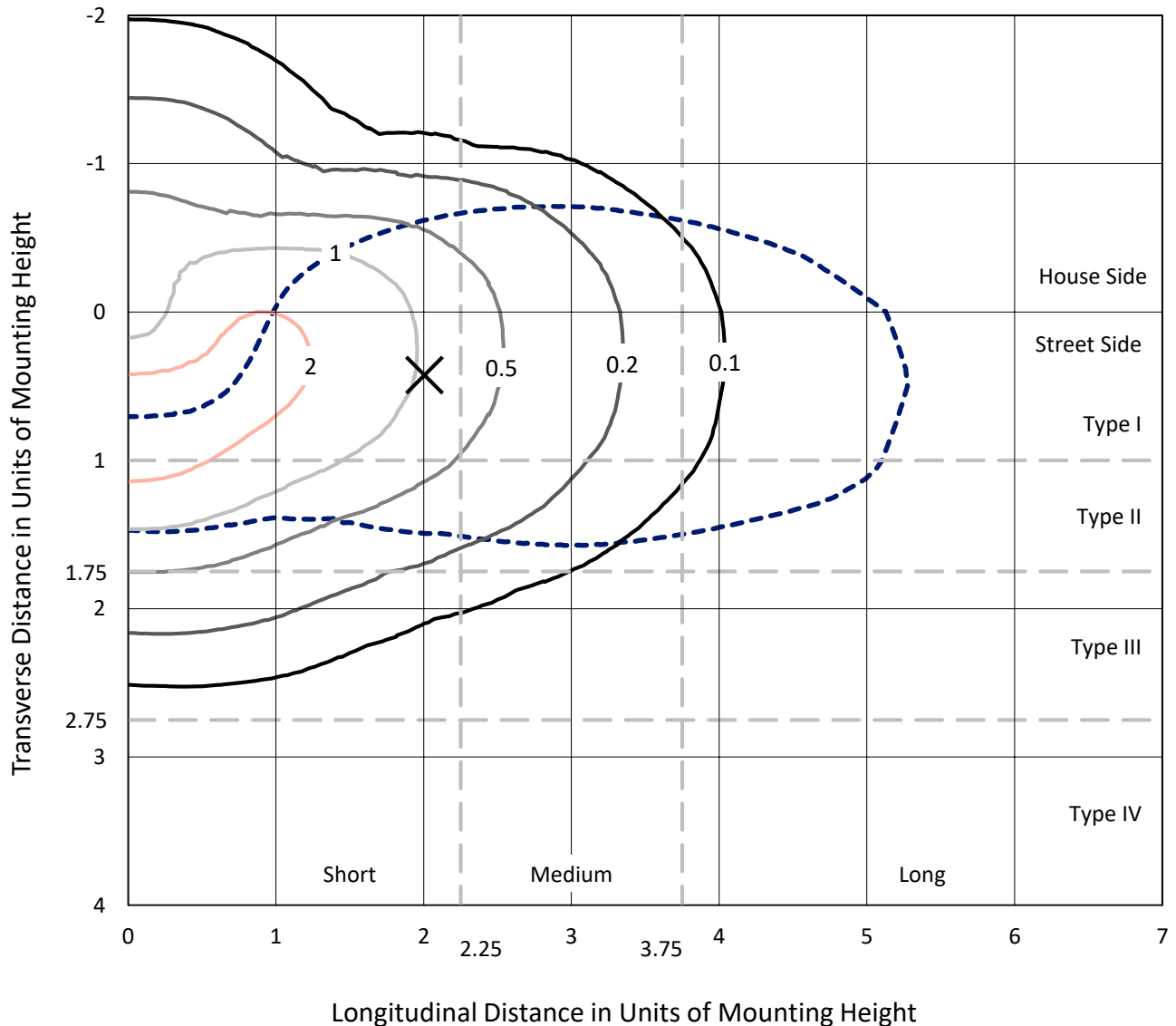


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

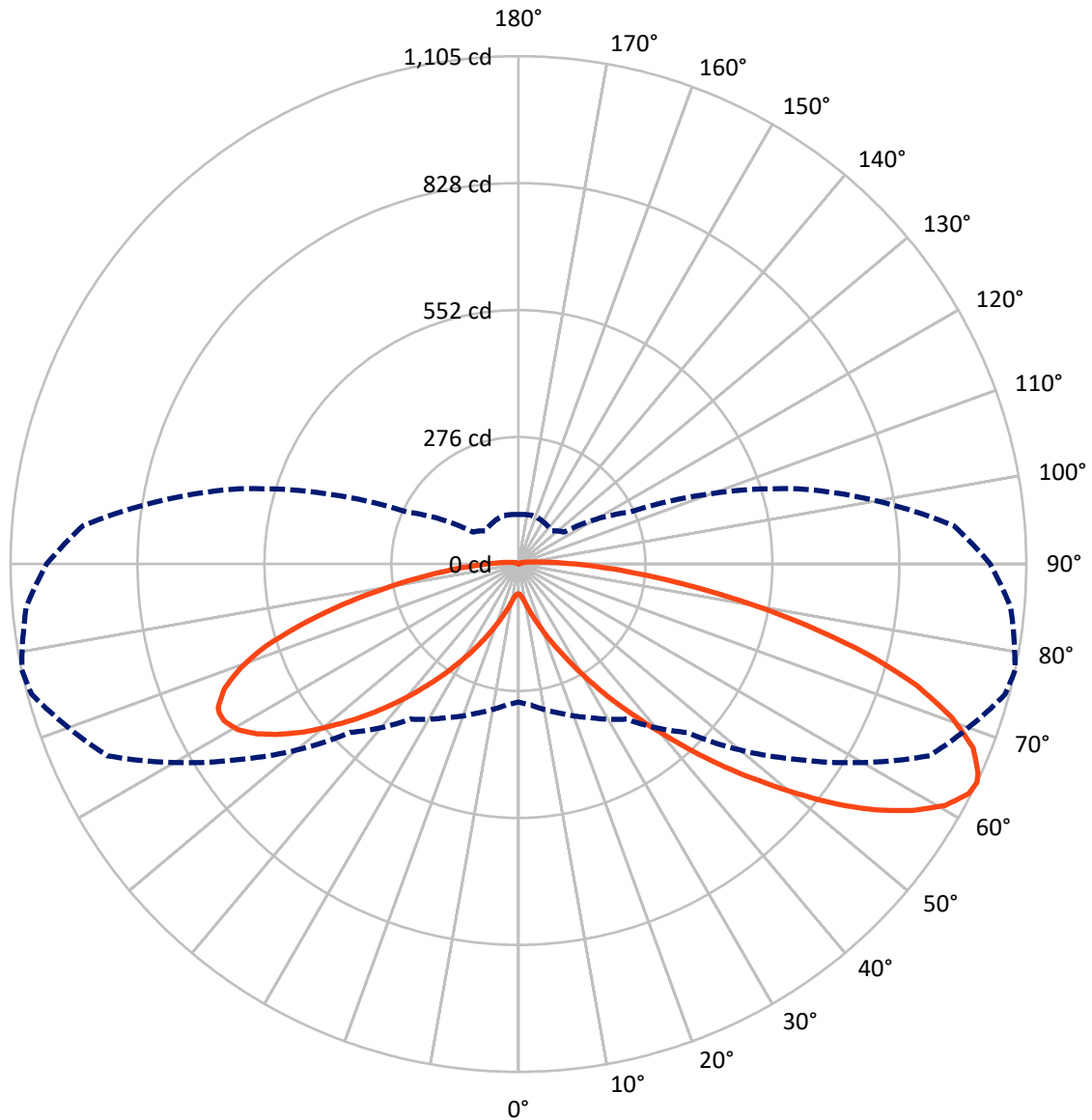


Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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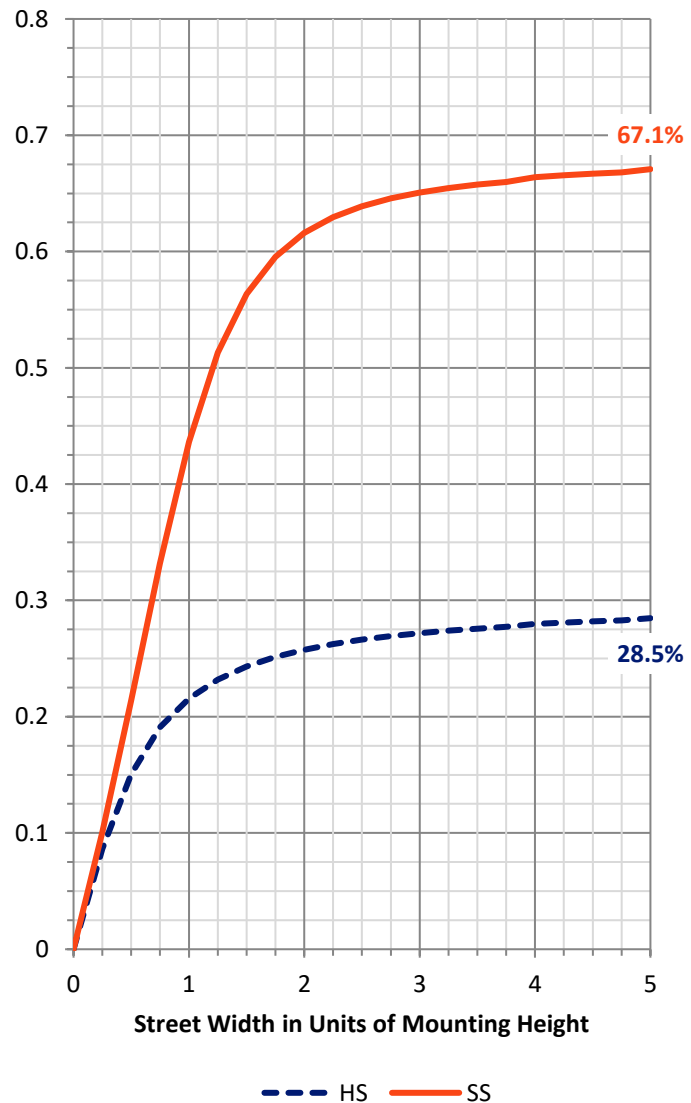
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	592.0	27.3	619.2
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	1370.9	25.8	1396.7
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	1962.9	53.1	2016.0
	% Fixture	97.4	2.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.4
10°-20°	32.7	1.6
20°-30°	91.1	4.5
30°-40°	197.9	9.8
40°-50°	341.9	17.0
50°-60°	452.6	22.5
60°-70°	441.6	21.9
70°-80°	287.0	14.2
80°-90°	111.1	5.5
90°-100°	32.1	1.6
100°-110°	12.2	0.6
110°-120°	5.3	0.3
120°-130°	2.3	0.1
130°-140°	0.9	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°	1962.9	97.4
0°-180°	2016.0	100.0



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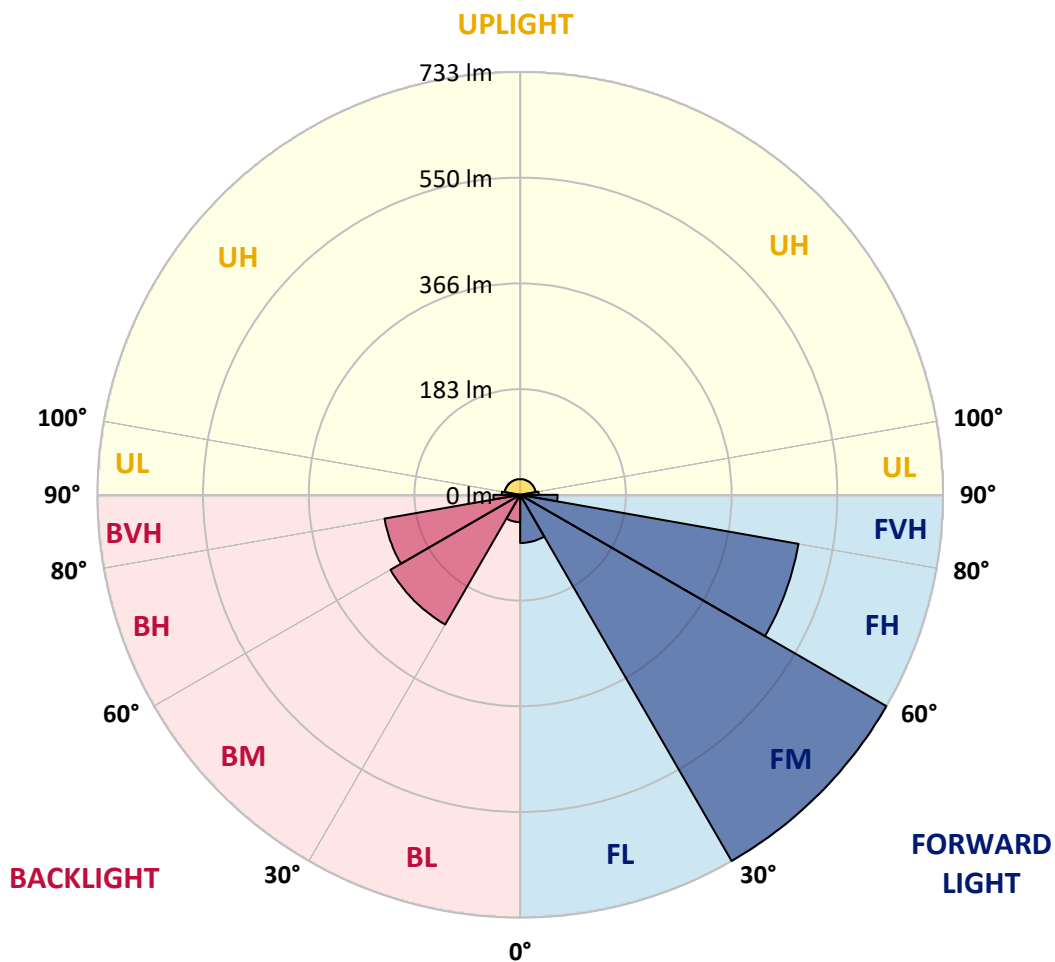
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.4	4.1			
FM	(30°-60°)	732.9	36.4			
FH	(60°-80°)	489.9	24.3			G0/660
FVH	(80°-90°)	64.8	3.2			G1/100
BL	(0°-30°)	47.4	2.4	B0/110		
BM	(30°-60°)	259.6	12.9	B1/1000		
BH	(60°-80°)	238.7	11.8	B1/500		G1/500
BVH	(80°-90°)	46.3	2.3			G1/100
UL	(90°-100°)	32.1	1.6		U2/50	
UH	(100°-180°)	27.3	1.4		U2/50	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	70.2	70.0	70.0	70.2	69.4	69.3	68.6	67.6	67.0	66.7	65.9
5°	78.0	77.4	77.0	77.3	76.4	75.3	74.1	72.7	71.4	71.0	69.8
7.5°	87.0	87.6	86.5	86.1	85.1	83.9	81.7	80.0	78.4	77.7	76.4
10°	101.4	101.7	100.0	100.3	97.3	95.8	93.8	90.9	88.9	87.8	86.1
12.5°	121.1	120.8	118.9	118.1	114.7	112.0	108.7	105.2	103.3	101.9	99.1
15°	145.0	144.5	143.4	140.4	134.9	131.6	127.5	122.4	119.8	117.9	114.9
17.5°	173.4	173.6	171.1	167.4	159.9	155.0	149.1	142.4	138.6	136.0	132.6
20°	208.5	208.9	204.5	199.0	189.5	182.6	172.7	166.4	160.3	158.9	153.7
22.5°	250.5	250.3	243.8	236.7	223.7	213.5	202.6	192.4	185.6	183.7	177.9
25°	298.2	297.8	289.9	282.2	262.8	249.5	235.1	222.7	215.8	211.9	205.4
27.5°	354.3	353.4	342.9	331.8	307.1	287.6	270.2	258.4	249.8	244.8	237.6
30°	414.7	413.8	401.2	383.0	356.4	334.2	311.3	297.5	287.6	283.9	274.1
32.5°	480.0	478.1	463.2	441.3	409.9	381.7	358.5	342.9	330.8	327.1	314.2
35°	546.1	543.6	527.7	502.2	466.1	435.0	411.5	395.1	380.3	375.2	359.9
37.5°	609.7	606.0	593.6	561.5	524.8	496.0	469.5	449.1	432.8	428.2	408.0
40°	660.1	657.9	646.3	615.3	580.5	551.4	531.0	514.6	494.1	487.2	465.6
42.5°	698.3	696.1	687.4	661.7	630.5	610.6	593.6	581.8	564.1	556.7	526.2
45°	718.3	715.1	711.3	692.9	671.6	661.7	659.5	655.3	637.9	629.4	593.8
47.5°	713.8	712.3	715.9	704.6	696.1	704.8	723.2	731.8	712.0	704.1	666.7
50°	685.0	686.8	695.9	695.0	703.2	732.4	778.9	807.4	795.0	784.4	743.6
52.5°	636.8	639.5	655.8	664.6	688.0	743.4	822.0	878.6	879.9	867.7	821.6
55°	573.5	579.1	599.1	616.3	654.2	730.7	847.6	938.5	956.5	944.1	895.3
57.5°	498.4	506.9	528.7	557.2	601.2	695.9	852.5	983.5	1021.6	1011.2	964.5
60°	420.2	426.2	453.4	485.4	529.6	642.7	831.7	1006.9	1072.5	1066.1	1028.0
62.5°	343.5	350.2	378.0	413.3	456.5	567.2	782.1	1005.3	1096.3	1099.4	1065.7
64°	300.2	307.6	334.9	368.2	411.5	518.1	740.8	986.6	1095.8	1104.5	1074.7
65°	273.1	280.5	307.3	340.5	382.6	484.0	709.9	968.6	1091.4	1098.4	1075.0
67.5°	213.3	219.4	244.8	278.8	312.6	398.9	611.8	897.5	1054.4	1066.4	1052.8
70°	164.0	169.7	193.0	224.3	252.8	324.4	505.3	793.8	983.1	1000.0	993.4
72.5°	126.1	131.0	151.5	178.9	201.8	256.6	403.7	671.0	880.1	907.4	908.6
75°	97.3	101.1	118.1	141.9	160.2	199.5	314.5	539.0	748.6	784.8	793.4
77.5°	75.9	78.4	92.0	111.5	126.3	152.5	236.7	414.7	604.1	640.1	655.0
80°	59.6	61.7	72.1	87.6	99.3	114.7	173.4	307.0	463.2	495.8	510.0
82.5°	46.3	48.0	56.4	68.8	78.0	87.9	124.0	218.6	337.0	364.0	375.4
85°	35.3	36.4	43.7	53.0	60.5	67.6	86.5	149.4	234.6	255.1	263.1
87.5°	26.1	27.0	33.1	40.8	46.3	51.8	63.1	98.8	157.7	172.4	178.1
90°	19.0	19.7	24.4	30.9	35.8	39.7	45.9	65.4	101.4	111.2	115.5
92.5°	13.5	14.2	18.0	23.3	27.8	31.3	35.3	45.5	64.9	70.2	73.7
95°	9.8	10.3	13.1	17.4	21.6	24.8	28.0	33.1	42.8	45.9	47.0
97.5°	7.5	7.6	10.2	13.5	17.0	19.7	22.1	25.2	30.3	31.6	32.3
100°	5.7	6.0	7.9	10.8	13.7	16.1	17.7	19.7	22.3	23.3	23.7
102.5°	4.9	5.0	6.5	8.9	11.3	13.1	14.6	15.8	17.0	17.4	18.2
105°	4.3	4.3	5.7	7.6	9.6	11.3	12.4	12.9	13.1	13.5	13.7
107.5°	3.7	3.9	5.0	6.6	8.4	9.8	10.5	10.5	10.2	10.2	10.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	3.4	3.4	4.3	5.7	7.5	8.4	8.9	8.4	7.5	7.5	7.6
112.5°	2.9	3.1	3.9	5.0	6.5	7.5	7.5	6.6	5.5	5.5	5.7
115°	2.6	2.6	3.4	4.5	5.5	6.3	6.3	5.5	4.1	4.1	4.3
117.5°	2.3	2.3	2.9	3.9	4.9	5.5	5.3	4.3	3.1	3.1	3.7
120°	2.3	2.3	2.6	3.4	4.1	4.5	4.3	3.4	2.3	2.3	2.9
122.5°	2.2	2.2	2.3	2.9	3.7	3.9	3.7	2.6	1.9	2.2	2.3
125°	2.2	2.2	2.2	2.6	3.1	3.4	3.1	2.2	1.6	1.6	1.9
127.5°	1.9	1.9	1.9	2.2	2.6	2.9	2.3	1.6	1.4	1.4	1.6
130°	1.9	1.9	1.6	1.9	2.3	2.3	1.9	1.2	1.0	1.2	1.4
132.5°	1.6	1.6	1.6	1.6	1.9	1.9	1.6	1.0	1.0	1.0	1.2
135°	1.6	1.6	1.4	1.4	1.6	1.6	1.2	0.7	0.7	0.7	1.0
137.5°	1.4	1.4	1.4	1.2	1.2	1.2	1.0	0.4	0.4	0.7	0.7
140°	1.2	1.2	1.2	1.0	1.0	0.7	0.4	0.2	0.4	0.4	0.7
142.5°	1.0	1.0	1.0	0.7	0.7	0.4	0.2	0.2	0.2	0.4	0.4
145°	0.7	0.7	0.7	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
147.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	65.7	65.4	64.8	64.3	63.8	63.3	63.3	62.8	62.6	62.3	62.3
5°	69.4	68.6	67.4	66.5	65.1	64.0	63.1	62.3	61.9	61.7	61.4
7.5°	75.3	74.1	72.0	70.2	68.1	66.5	64.9	63.5	63.1	62.6	62.6
10°	84.9	82.7	79.6	76.4	73.7	70.7	69.0	67.2	66.7	66.1	66.1
12.5°	97.6	95.4	90.4	86.1	81.6	77.7	75.1	73.3	72.9	72.1	72.5
15°	112.6	108.9	103.3	97.0	91.4	86.1	83.0	80.3	79.1	78.4	78.6
17.5°	129.6	125.5	117.5	109.4	101.9	96.2	90.9	87.0	85.1	84.4	84.4
20°	149.4	144.5	134.4	123.4	113.8	105.7	99.1	93.2	90.9	89.9	89.9
22.5°	172.7	166.6	152.7	138.6	126.7	114.7	105.7	98.8	95.8	95.0	95.0
25°	199.5	191.6	173.8	156.3	138.2	122.3	111.0	103.6	100.3	99.1	99.1
27.5°	227.5	220.1	197.1	174.8	150.0	128.5	115.1	106.9	103.0	102.3	102.1
30°	263.1	252.5	222.7	192.2	160.2	132.8	116.8	108.9	105.0	104.4	104.4
32.5°	300.2	287.6	251.7	210.6	167.9	134.7	117.0	109.6	106.2	105.6	105.2
35°	343.8	327.7	282.0	229.2	174.8	135.5	116.8	110.0	107.3	106.4	106.2
37.5°	391.2	370.9	313.8	246.4	178.4	134.2	116.1	109.9	107.8	106.7	106.4
40°	442.5	419.1	350.2	260.4	178.9	131.8	114.7	110.0	108.2	106.7	106.2
42.5°	499.8	471.6	385.6	273.1	177.4	128.9	113.6	110.0	108.3	106.7	106.2
45°	563.6	529.1	422.5	282.8	173.6	125.7	112.6	110.0	108.7	106.4	106.2
47.5°	631.7	590.7	460.3	290.5	168.8	122.3	112.2	110.5	109.4	106.7	106.4
50°	703.0	655.8	497.0	295.6	163.0	119.1	111.7	110.5	109.9	106.9	106.7
52.5°	779.6	724.6	536.7	298.2	156.3	116.1	111.2	111.0	110.3	107.6	107.2
55°	851.1	790.7	572.3	298.2	149.4	113.1	110.9	111.2	111.0	108.3	107.8
57.5°	917.7	851.6	603.4	294.6	141.9	110.3	109.9	111.0	111.2	108.9	108.3
60°	975.3	904.9	625.5	288.9	134.2	107.3	108.7	110.5	111.2	109.1	108.7
62.5°	1014.0	941.8	632.9	276.7	126.1	104.4	106.4	109.1	110.5	108.7	108.2
64°	1026.1	951.0	631.2	267.5	121.1	102.3	105.0	108.2	109.6	108.2	107.6
65°	1029.5	952.6	625.2	259.9	117.9	100.9	103.8	107.2	108.9	107.3	106.9
67.5°	1009.3	927.6	595.8	237.2	110.5	97.0	100.4	103.8	106.0	105.2	104.7
70°	958.0	874.8	547.1	212.2	102.9	92.5	95.8	99.5	102.1	101.7	101.4
72.5°	873.4	791.6	485.8	183.0	95.2	87.6	89.9	94.1	96.6	96.4	95.8
75°	761.5	682.1	401.4	156.3	86.7	81.0	83.5	87.0	89.7	89.2	89.2
77.5°	630.5	554.6	322.2	129.3	79.1	74.1	76.3	79.1	81.6	80.8	80.6
80°	491.3	426.8	246.2	105.2	71.0	66.7	68.1	70.2	72.5	71.4	71.1
82.5°	361.1	312.2	181.5	84.4	62.8	58.3	59.5	61.4	62.6	61.7	61.4
85°	253.1	218.2	131.4	67.2	54.0	50.1	50.3	51.4	52.2	50.8	50.6
87.5°	170.7	146.2	91.1	53.2	45.5	42.2	42.0	42.4	43.2	41.7	41.1
90°	112.0	95.4	62.3	43.2	38.1	35.3	34.8	34.8	35.0	33.3	32.9
92.5°	71.0	61.9	45.4	35.3	31.9	29.3	28.6	28.2	28.0	26.4	26.1
95°	46.3	42.4	34.8	29.3	26.4	24.3	23.4	22.9	22.5	21.3	20.9
97.5°	32.6	30.7	27.6	24.3	22.1	20.1	19.5	18.8	18.2	16.8	16.6
100°	24.4	23.7	22.3	20.1	18.4	16.8	16.1	15.4	14.8	13.5	13.1
102.5°	19.0	19.0	18.2	16.8	15.4	14.0	13.5	12.7	11.9	11.0	10.8
105°	14.6	14.6	14.8	14.2	12.9	11.9	11.3	10.8	10.2	8.9	8.9
107.5°	11.0	11.5	11.9	11.8	11.0	10.2	9.6	9.2	8.2	7.5	7.5



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.4	8.7	9.6	9.8	9.3	8.7	8.2	7.5	6.6	6.0	6.0
112.5°	6.3	6.6	7.6	8.2	7.9	7.5	6.9	6.3	5.3	5.0	5.0
115°	4.9	5.3	6.3	6.6	6.6	6.3	5.7	5.0	4.3	4.1	4.3
117.5°	3.9	4.3	5.0	5.5	5.5	5.0	4.9	4.1	3.7	3.7	3.7
120°	3.1	3.7	4.1	4.5	4.5	4.3	3.9	3.4	2.9	3.1	3.1
122.5°	2.6	2.9	3.4	3.7	3.9	3.7	3.1	2.6	2.3	2.6	2.6
125°	2.2	2.3	2.9	2.9	3.1	2.9	2.6	2.2	1.9	2.2	2.2
127.5°	1.9	2.2	2.3	2.3	2.6	2.3	2.2	1.6	1.6	1.9	1.9
130°	1.4	1.6	1.9	1.9	2.2	1.9	1.6	1.4	1.4	1.6	1.6
132.5°	1.2	1.4	1.4	1.6	1.6	1.6	1.4	1.0	1.2	1.2	1.2
135°	1.2	1.2	1.4	1.2	1.2	1.2	1.0	0.7	1.0	1.0	1.0
137.5°	1.0	1.0	1.2	1.2	1.0	1.0	0.7	0.4	0.7	1.0	1.0
140°	0.7	1.0	1.0	1.0	1.0	0.7	0.4	0.2	0.4	0.4	0.4
142.5°	0.7	0.7	1.0	1.0	0.7	0.4	0.2	0.0	0.2	0.2	0.2
145°	0.4	0.7	0.7	0.7	0.4	0.4	0.2	0.0	0.0	0.2	0.0
147.5°	0.4	0.4	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
150°	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.2	0.2	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)