

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: P254355

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)  
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-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2208.1 lumens  
Efficiency: N/A  
Efficacy: 105.1 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 - U3 - 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

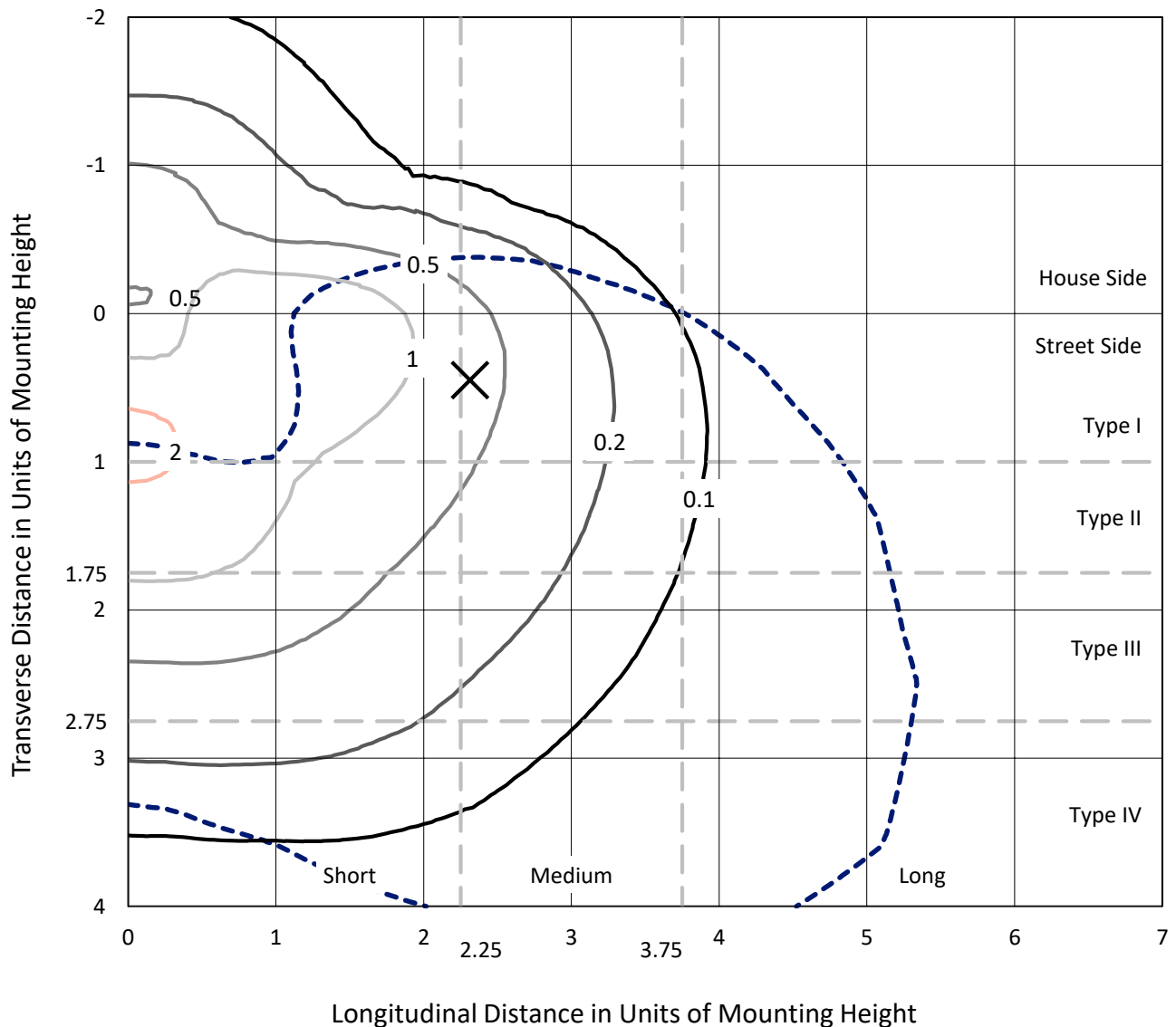


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

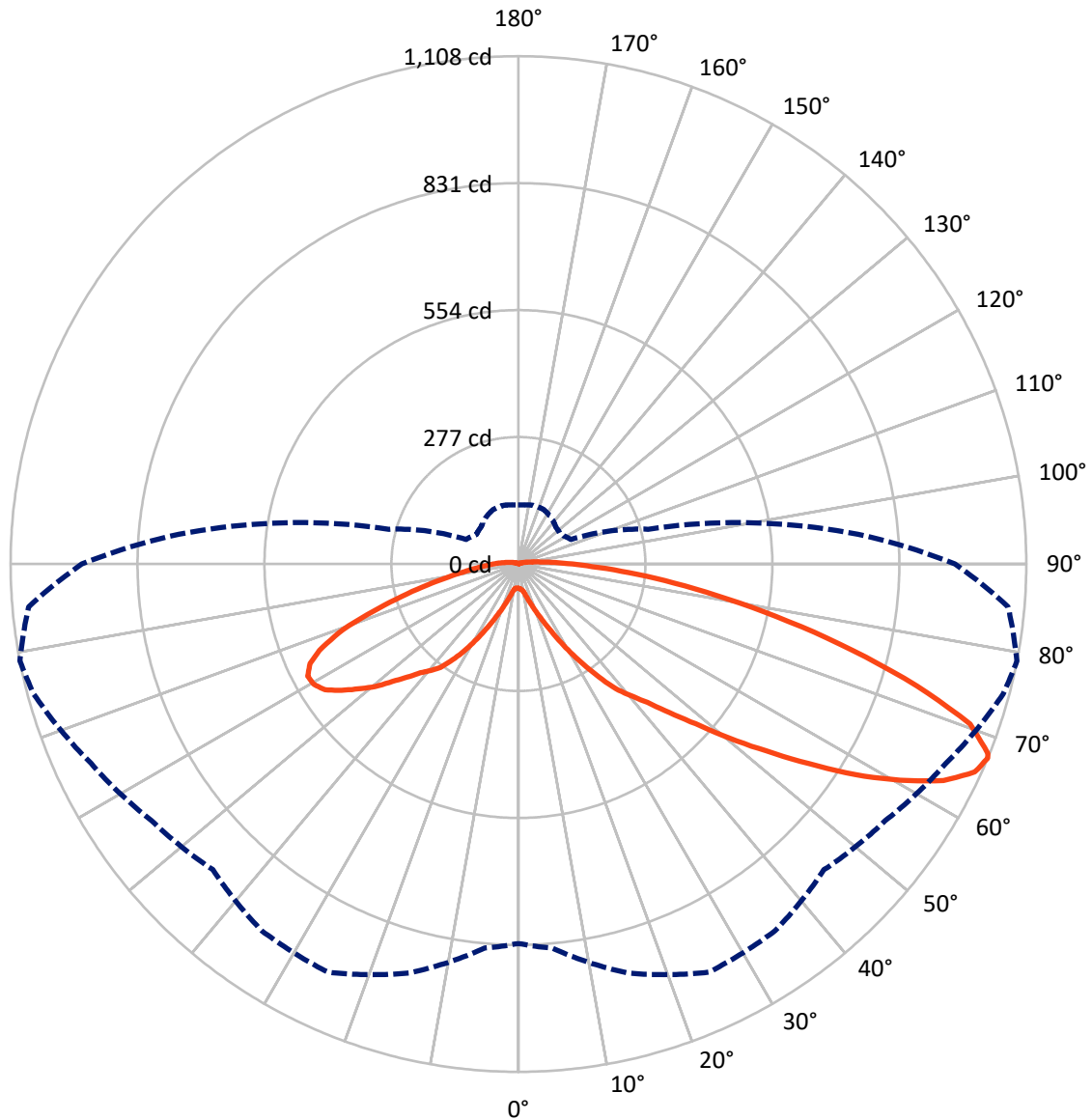


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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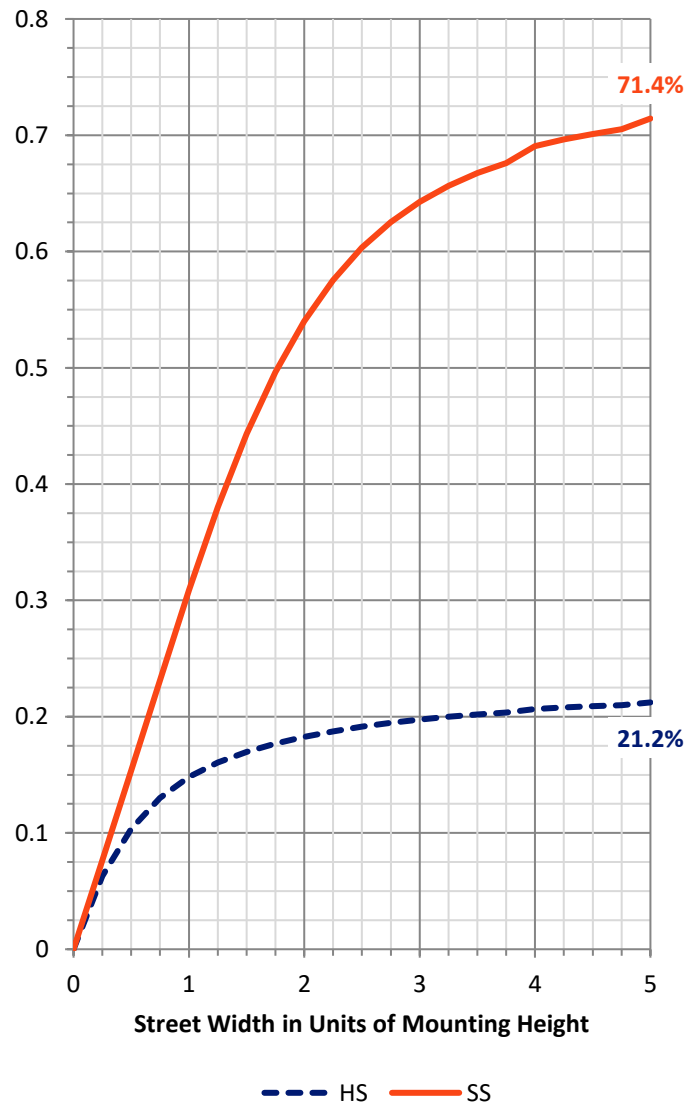
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	492.4	33.2	525.7
	% Fixture	22.3	1.5	23.8
<b>Street Side</b>	Lumens	1636.4	46.1	1682.5
	% Fixture	74.1	2.1	76.2
<b>Total</b>	Lumens	2128.8	79.3	2208.1
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.2
10°-20°	22.7	1.0
20°-30°	65.4	3.0
30°-40°	148.4	6.7
40°-50°	257.9	11.7
50°-60°	413.2	18.7
60°-70°	575.8	26.1
70°-80°	454.8	20.6
80°-90°	185.2	8.4
90°-100°	52.8	2.4
100°-110°	15.7	0.7
110°-120°	6.1	0.3
120°-130°	2.9	0.1
130°-140°	1.3	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2128.8	96.4
0°-180°	2208.1	100.0



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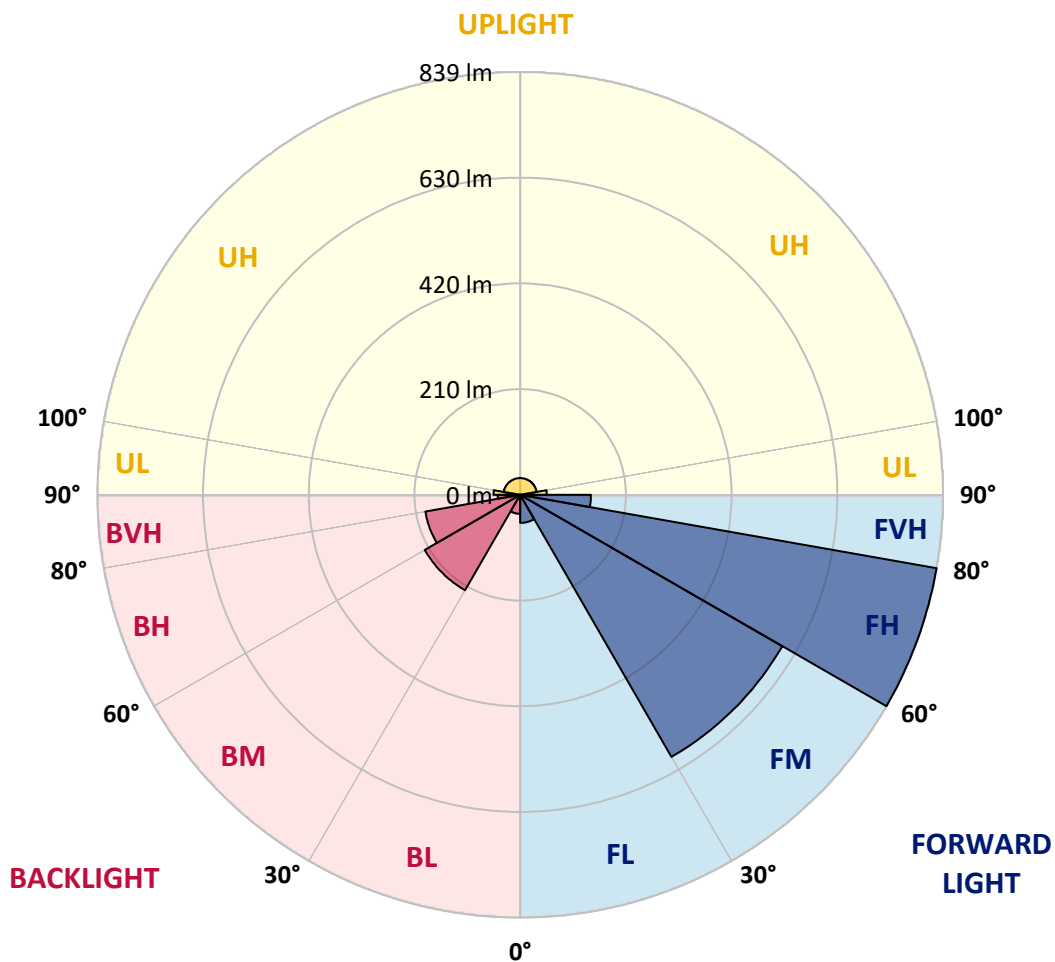
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.8	2.5			
FM (30°-60°)	600.7	27.2			
FH (60°-80°)	839.4	38.0			G1/1800
FVH (80°-90°)	140.5	6.4			G2/225
BL (0°-30°)	37.7	1.7	B0/110		
BM (30°-60°)	218.8	9.9	B0/220		
BH (60°-80°)	191.2	8.7	B1/500		G1/500
BVH (80°-90°)	44.7	2.0			G1/100
UL (90°-100°)	52.8	2.4		U3/500	
UH (100°-180°)	33.2	1.5		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	56.6	56.6	56.9	56.9	56.9	56.3	55.5	54.7	54.2	53.9	53.4
5°	60.8	60.6	60.8	60.6	60.6	59.5	58.2	56.9	55.8	55.2	54.4
7.5°	66.9	66.9	66.7	66.2	65.7	63.8	61.6	60.1	58.5	57.4	56.6
10°	74.8	75.0	74.6	73.1	71.8	69.4	66.9	64.9	62.5	61.0	60.1
12.5°	86.8	86.8	85.7	82.7	79.5	76.6	74.0	71.8	70.7	69.4	68.3
15°	101.7	101.4	99.9	95.3	91.0	86.0	84.1	82.7	82.0	80.9	79.5
17.5°	119.3	119.1	116.2	110.0	103.2	99.5	96.5	95.3	95.8	94.7	93.6
20°	140.4	139.9	135.4	126.7	120.0	115.0	111.9	110.5	112.1	111.3	110.5
22.5°	167.3	166.0	159.6	147.3	139.7	131.3	128.4	127.9	131.5	131.5	131.5
25°	199.4	198.1	188.5	174.3	160.7	150.6	147.6	150.6	156.7	157.5	159.1
27.5°	236.4	234.9	223.1	203.3	185.2	171.6	169.3	175.2	184.6	188.5	190.0
30°	280.2	279.1	262.3	237.3	211.6	194.6	191.9	202.5	217.5	223.4	227.4
32.5°	332.0	330.7	306.4	276.8	241.0	219.7	217.5	233.9	256.2	261.7	269.9
35°	396.1	394.8	362.7	321.3	273.8	246.4	246.4	267.4	294.9	302.6	312.6
37.5°	460.4	460.2	427.9	372.6	310.2	275.8	276.2	300.6	333.7	345.7	354.8
40°	523.2	523.7	486.9	423.6	350.7	308.0	307.8	332.2	366.8	377.2	385.9
42.5°	580.2	579.9	545.3	477.8	392.9	343.0	338.1	362.2	398.8	412.9	424.7
45°	620.0	623.0	596.2	526.6	435.3	379.2	369.4	396.1	442.8	462.2	478.0
47.5°	669.4	669.6	645.0	572.5	478.9	417.0	407.9	441.5	500.7	521.0	537.5
50°	723.9	726.6	707.0	630.2	527.9	459.3	455.8	498.3	568.8	597.3	617.9
52.5°	770.3	773.5	761.5	696.1	587.2	513.8	513.8	567.7	643.2	677.4	697.4
55°	804.4	809.8	812.8	759.4	654.3	577.6	583.5	644.1	727.8	768.7	793.0
57.5°	831.7	839.1	853.1	815.7	720.1	654.3	662.7	727.5	829.6	867.7	893.3
60°	872.0	880.5	905.6	876.0	796.0	736.6	748.1	818.9	923.0	957.4	976.9
62.5°	876.0	886.4	937.1	941.4	867.0	817.3	842.6	912.0	1011.3	1041.2	1045.5
65°	857.5	871.3	938.4	977.5	942.5	892.8	928.6	992.4	1074.6	1094.3	1083.5
67°	828.1	841.3	924.0	982.8	976.7	943.2	976.7	1029.2	1095.1	1108.2	1072.9
67.5°	815.7	828.1	916.0	981.7	980.9	952.0	984.3	1037.2	1096.2	1105.0	1065.3
70°	735.4	752.7	846.6	947.5	979.1	960.1	998.0	1034.5	1049.0	1045.7	988.7
72.5°	594.2	610.4	712.9	854.1	926.2	916.5	950.2	956.9	931.6	909.6	831.7
75°	435.8	443.0	537.5	689.4	807.7	818.6	843.9	829.1	782.7	753.5	674.2
77.5°	302.6	309.9	382.5	522.0	651.3	692.0	717.2	695.3	646.5	601.9	515.3
80°	200.5	204.2	261.0	380.3	510.9	567.7	589.4	566.9	505.0	461.2	379.2
82.5°	122.3	129.5	170.6	266.6	395.0	465.0	480.7	454.8	387.9	342.4	273.3
85°	73.4	77.1	109.2	180.2	290.6	368.9	383.8	350.1	282.4	241.6	183.1
87.5°	45.4	47.0	68.7	116.7	203.9	275.5	291.5	251.8	190.5	160.9	122.5
90°	29.4	30.7	45.2	76.9	134.8	196.2	203.3	171.3	126.7	107.3	83.0
92.5°	19.7	20.9	30.7	51.1	88.6	128.6	134.0	113.2	83.8	71.6	56.6
95°	13.8	14.6	21.7	34.8	57.7	79.3	84.9	73.4	54.7	47.2	39.0
97.5°	10.7	11.3	16.3	25.1	39.0	51.3	53.4	47.7	37.1	32.6	28.3
100°	8.5	9.1	12.8	18.9	28.1	35.0	36.3	32.8	26.1	23.5	20.9
102.5°	7.4	7.4	10.4	15.0	21.1	25.9	26.1	23.5	19.2	17.4	16.1
105°	6.4	6.4	8.5	12.0	16.8	20.0	20.0	17.4	14.1	12.8	12.2
107.5°	5.4	5.6	7.2	9.7	13.3	16.1	15.6	12.8	10.2	9.4	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	4.6	4.8	6.1	7.9	10.9	13.1	12.2	9.9	7.4	7.0	7.0
112.5°	4.1	4.3	5.0	7.0	9.4	10.9	9.9	7.4	5.6	5.4	5.6
115°	3.8	3.8	4.6	6.1	7.9	9.1	8.3	6.1	4.6	4.3	4.6
117.5°	3.2	3.5	4.1	5.4	7.2	7.7	7.0	4.8	3.5	3.5	4.1
120°	3.2	3.2	3.8	4.8	6.4	7.0	5.9	4.1	2.9	2.9	3.5
122.5°	2.9	2.9	3.5	4.6	5.6	6.1	5.0	3.5	2.6	2.6	2.9
125°	2.9	2.9	3.5	4.3	5.0	5.0	4.3	2.9	2.4	2.4	2.6
127.5°	3.2	3.2	3.5	4.1	4.6	4.6	3.8	2.6	2.1	2.1	2.4
130°	3.2	3.2	3.2	3.8	4.1	3.8	3.2	2.4	2.1	2.1	2.4
132.5°	3.2	3.2	3.2	3.2	3.5	3.2	2.6	1.8	1.8	1.8	2.1
135°	2.9	2.9	2.6	2.9	2.9	2.4	1.8	1.3	1.6	1.6	1.8
137.5°	2.4	2.4	2.4	2.4	2.1	1.8	1.3	1.1	1.3	1.6	1.6
140°	2.1	2.1	1.8	1.8	1.6	1.3	0.8	1.1	1.3	1.3	1.3
142.5°	1.6	1.6	1.6	1.3	1.1	0.8	0.5	0.8	1.1	1.1	1.3
145°	1.1	1.1	1.1	0.8	0.5	0.2	0.5	0.5	0.8	1.1	1.1
147.5°	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.5	0.8	0.8	0.8
150°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	53.1	52.9	52.0	51.5	51.1	50.7	50.5	50.5	50.1	49.9	49.9
5°	53.9	53.4	52.0	51.1	50.1	49.6	49.0	48.8	48.3	48.1	48.1
7.5°	55.5	54.7	53.1	51.3	49.9	49.0	48.6	48.1	47.5	47.5	47.5
10°	58.7	57.7	55.2	52.9	50.7	49.6	49.0	48.6	48.6	48.3	48.3
12.5°	66.7	65.1	61.0	56.9	53.1	51.5	51.1	52.3	53.9	54.2	54.9
15°	77.7	76.1	71.0	64.9	58.7	55.2	57.2	59.5	62.2	64.4	64.4
17.5°	91.2	89.4	82.5	74.0	66.4	64.4	64.9	68.3	72.1	74.0	74.2
20°	108.0	105.4	95.8	84.1	75.8	72.5	73.4	76.9	82.2	84.9	85.4
22.5°	129.2	125.2	112.3	95.8	85.7	81.4	82.2	86.5	93.6	97.5	98.8
25°	155.9	150.8	131.3	110.0	95.6	89.1	91.6	98.3	107.3	112.9	112.6
27.5°	186.7	178.5	154.3	124.7	105.4	96.5	100.4	109.7	120.6	127.1	127.9
30°	223.4	212.9	179.4	140.2	113.9	103.2	108.0	119.8	132.1	140.6	141.5
32.5°	264.2	252.0	205.0	155.5	121.0	108.3	113.7	128.4	142.6	152.6	153.0
35°	306.2	290.4	229.2	169.0	126.7	112.3	118.0	134.8	151.4	163.2	163.9
37.5°	346.2	327.8	251.8	177.8	130.6	114.5	120.4	140.2	158.9	171.3	172.2
40°	376.3	353.7	265.6	180.8	131.3	115.6	122.5	142.2	158.9	168.4	169.0
42.5°	414.2	384.4	275.8	177.8	129.2	115.6	123.4	139.7	152.4	158.9	158.9
45°	465.0	428.1	291.1	174.3	124.9	114.7	121.2	133.8	142.2	145.5	145.5
47.5°	525.5	477.5	306.9	171.9	121.8	112.9	118.0	126.5	131.0	131.3	130.8
50°	602.1	540.0	326.4	168.4	119.8	111.0	115.0	120.6	123.4	122.3	121.8
52.5°	675.3	595.5	340.4	164.1	118.8	110.3	113.4	118.2	119.1	115.9	115.0
55°	762.5	660.6	349.9	157.3	117.7	110.8	113.4	117.5	116.9	112.6	111.9
57.5°	849.6	721.7	358.5	151.1	116.7	111.6	114.5	118.0	116.9	112.9	112.1
60°	916.2	763.6	353.7	144.7	115.6	112.9	116.4	119.8	119.8	116.7	116.4
62.5°	968.6	788.8	342.2	138.0	114.7	113.9	118.8	123.9	124.9	122.5	122.3
65°	980.4	778.6	320.0	131.5	113.7	114.7	122.0	128.4	129.2	126.7	126.5
67°	952.8	743.8	292.9	126.2	112.1	115.0	124.1	131.0	132.1	129.7	128.9
67.5°	940.8	730.3	285.8	124.9	111.6	115.0	124.3	131.3	132.6	130.2	129.5
70°	848.7	649.4	248.8	117.5	108.0	113.7	124.9	133.2	134.0	131.0	130.0
72.5°	703.3	523.7	205.7	110.3	103.8	110.3	123.0	131.8	131.5	127.3	126.5
75°	557.6	410.5	165.7	101.9	98.0	104.9	118.0	125.7	124.1	119.1	118.0
77.5°	423.6	306.9	134.8	93.6	91.2	98.0	109.5	115.0	111.9	107.1	106.0
80°	301.9	221.0	109.7	86.0	84.1	89.9	98.8	101.7	99.5	95.0	93.6
82.5°	211.1	158.9	91.2	78.2	77.1	81.7	87.3	90.2	89.1	85.1	84.1
85°	146.0	111.0	76.9	70.5	69.9	73.1	76.6	78.4	79.3	77.1	75.8
87.5°	98.3	81.7	65.4	62.0	62.2	64.6	66.9	68.9	71.2	71.0	69.7
90°	70.2	61.0	54.7	53.1	53.6	56.3	57.4	58.5	61.4	61.4	60.6
92.5°	50.1	46.4	44.4	43.8	44.8	47.0	47.5	47.7	49.9	50.1	48.6
95°	35.7	33.9	34.8	35.2	36.3	38.1	37.9	37.1	38.1	38.1	36.8
97.5°	26.4	25.9	27.6	28.1	28.9	30.4	29.6	28.3	29.1	28.1	27.2
100°	20.3	20.3	22.2	22.4	23.0	23.7	23.5	22.4	22.7	21.3	20.9
102.5°	16.1	16.3	17.6	17.9	18.5	19.2	18.7	18.1	17.6	16.1	16.1
105°	12.6	12.8	13.8	14.1	14.6	15.6	15.2	14.4	13.6	12.2	12.2
107.5°	9.7	10.2	10.9	11.3	11.7	12.6	12.2	11.3	10.2	9.4	9.4



REPORT NUMBER: P254355

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.4	7.9	8.8	9.1	9.4	10.2	9.7	8.5	7.7	7.2	7.2
112.5°	6.1	6.4	7.2	7.4	7.7	8.3	7.7	6.7	5.9	5.6	5.6
115°	5.0	5.4	5.9	6.1	6.7	6.7	6.1	5.0	4.6	4.6	4.6
117.5°	4.3	4.6	5.0	5.4	5.4	5.6	4.8	4.1	3.5	3.8	3.8
120°	3.8	3.8	4.3	4.3	4.6	4.6	4.1	3.2	2.6	2.9	3.2
122.5°	3.2	3.2	3.5	3.8	3.8	3.8	3.2	2.6	2.1	2.4	2.6
125°	2.6	2.9	2.9	3.2	3.2	3.2	2.6	2.1	1.8	2.1	2.1
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.1	1.6	1.6	1.8	1.8
130°	2.4	2.4	2.4	2.4	2.1	1.8	1.6	1.1	1.3	1.6	1.6
132.5°	2.1	2.1	2.1	1.8	1.6	1.3	1.1	0.8	0.8	1.3	1.3
135°	1.8	1.8	1.6	1.3	1.1	0.8	0.5	0.5	0.5	1.1	1.1
137.5°	1.6	1.6	1.3	1.1	0.8	0.5	0.2	0.0	0.2	0.5	0.5
140°	1.6	1.6	1.3	0.8	0.5	0.2	0.0	0.0	0.0	0.2	0.2
142.5°	1.3	1.3	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.5	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°	0.5	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)