

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: P255165

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
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-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2221.2 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - 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

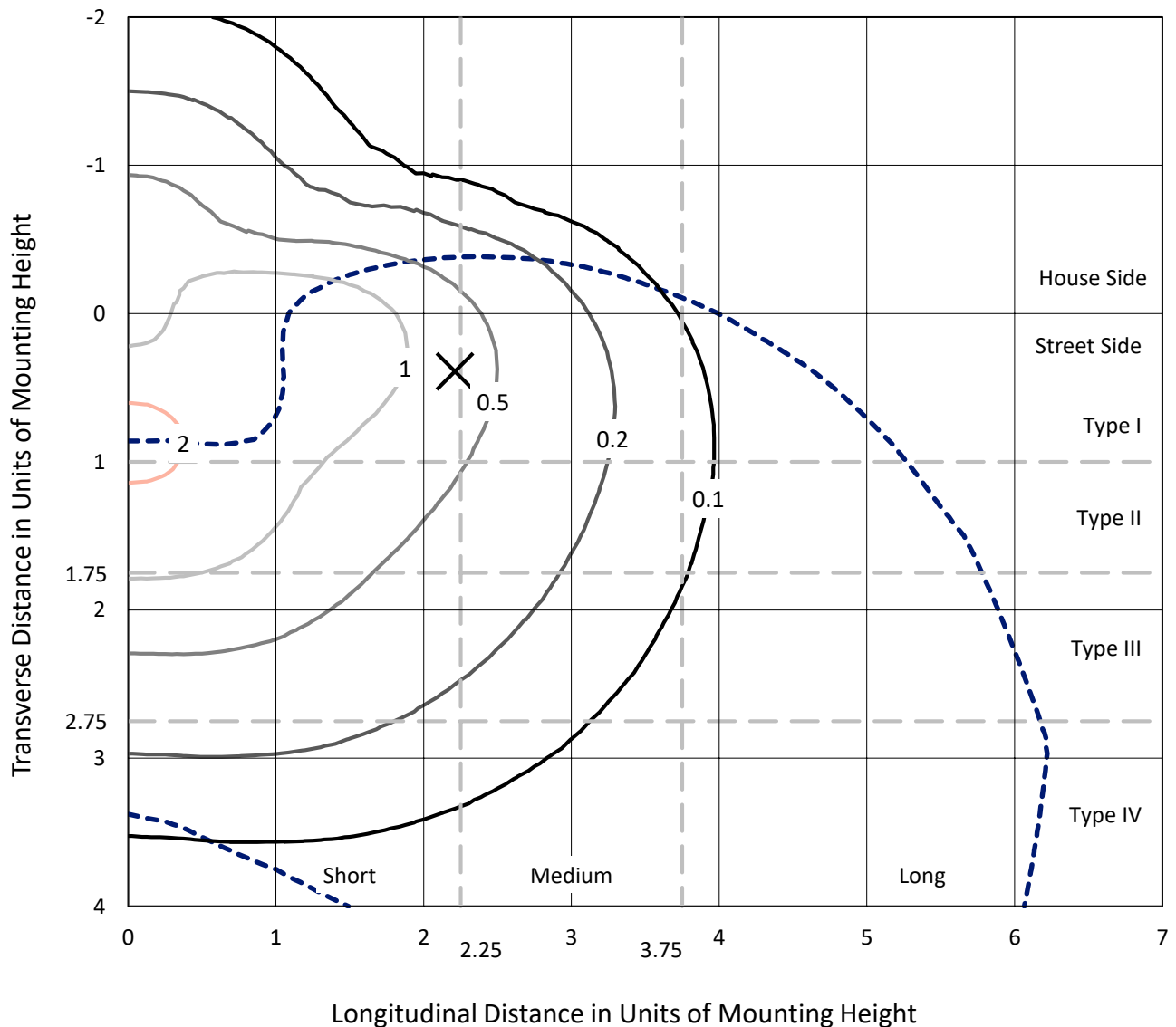


REPORT NUMBER: P255165

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

### Iso-Footcandle Lines of Horizontal Illumination

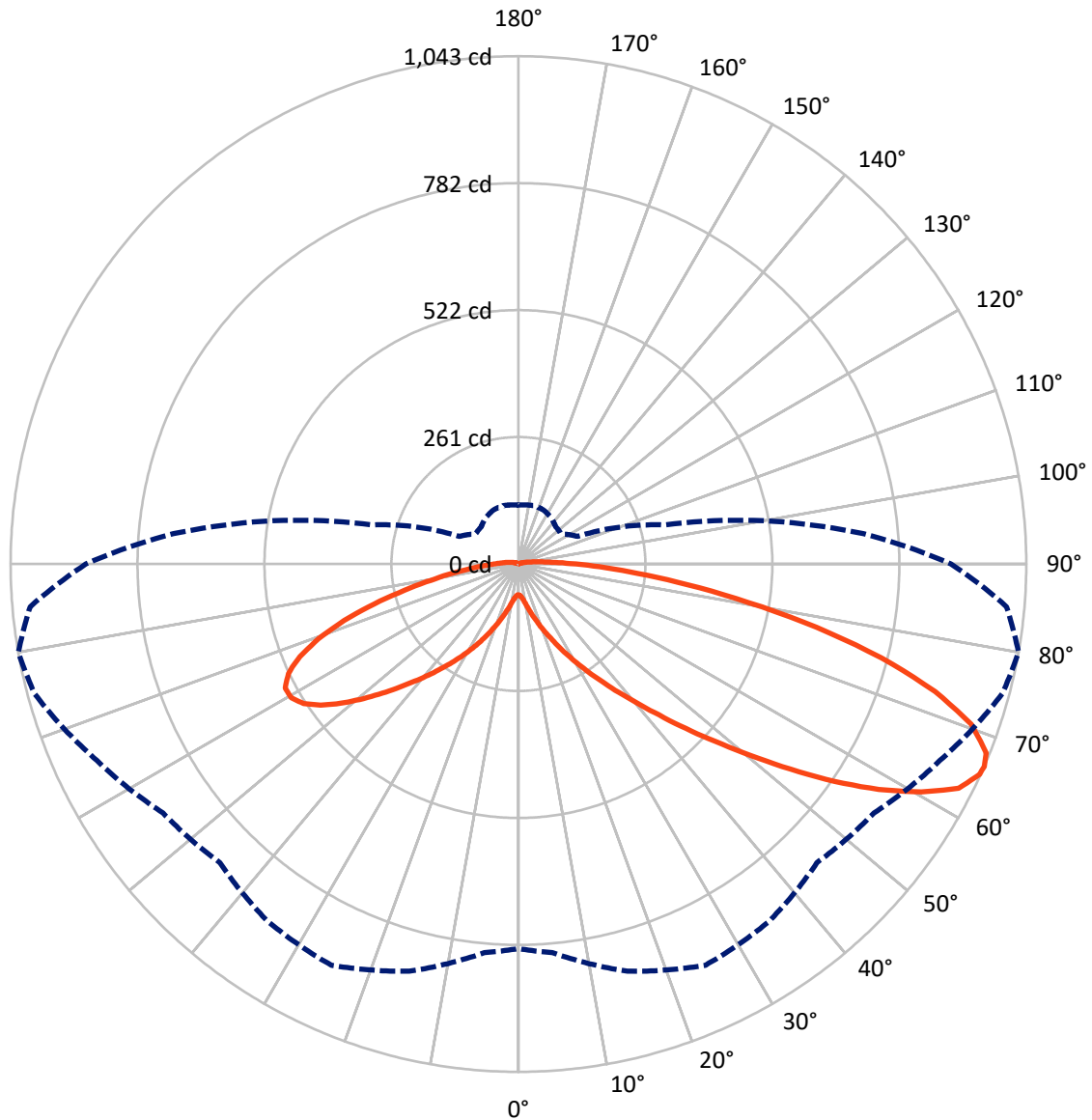
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P255165  
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-TL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P255165

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

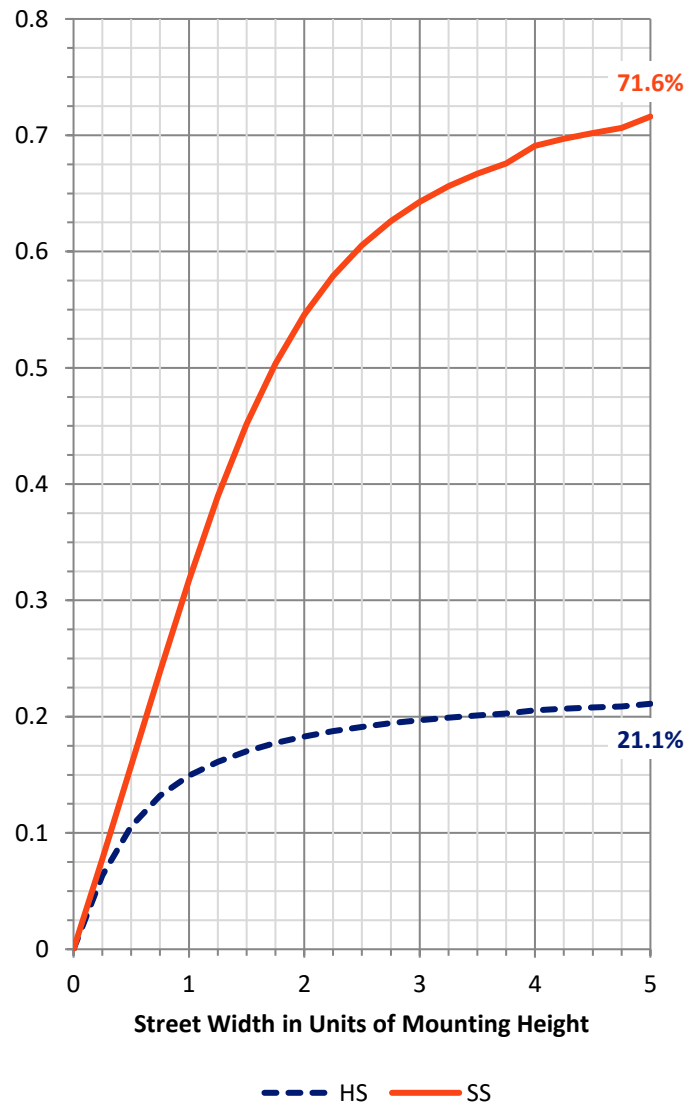
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	492.6	31.7	524.3
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	1654.4	42.5	1696.9
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	2147.0	74.3	2221.2
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.9	0.3
10°-20°	30.1	1.4
20°-30°	77.0	3.5
30°-40°	152.3	6.9
40°-50°	264.1	11.9
50°-60°	421.1	19.0
60°-70°	547.4	24.6
70°-80°	452.8	20.4
80°-90°	195.3	8.8
90°-100°	50.9	2.3
100°-110°	15.0	0.7
110°-120°	5.6	0.3
120°-130°	1.9	0.1
130°-140°	0.6	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°	2147.0	96.7
0°-180°	2221.2	100.0



REPORT NUMBER: P255165

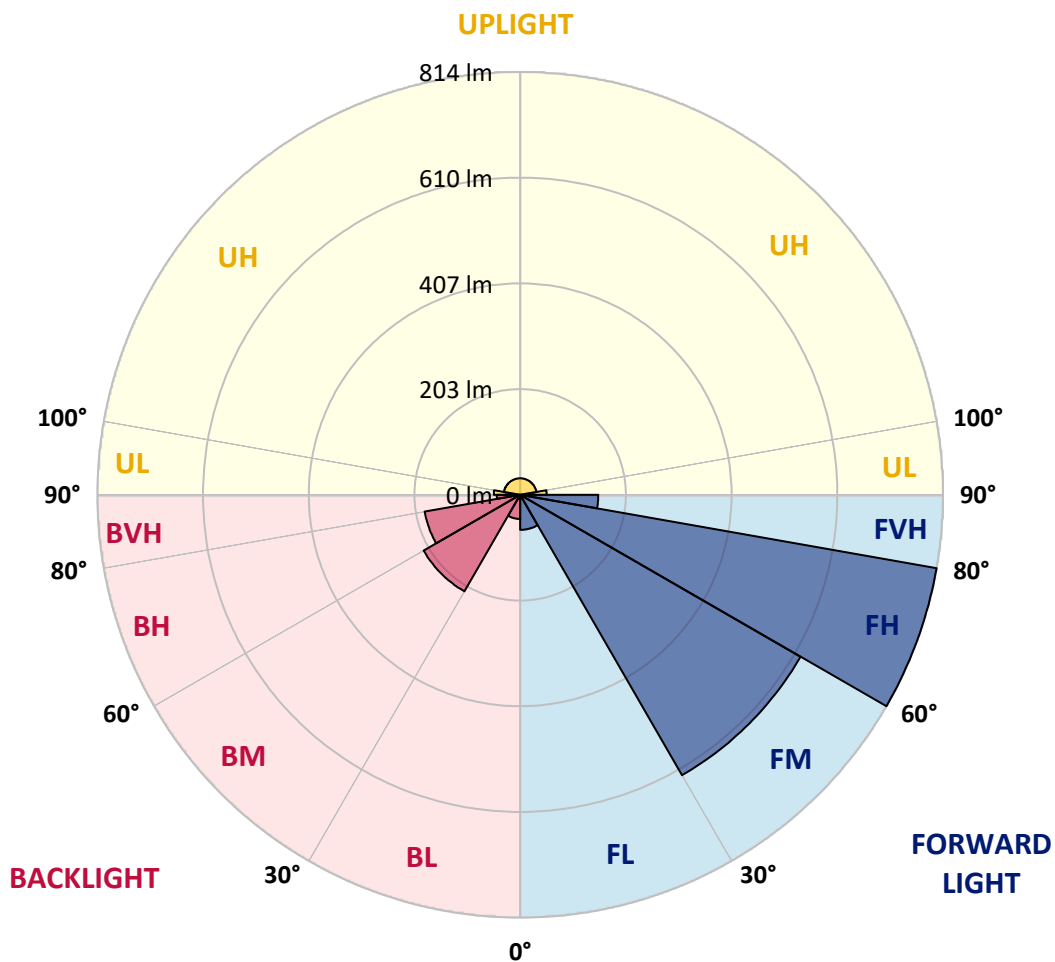
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-TL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.5	3.0			
FM	(30°-60°)	622.9	28.0			
FH	(60°-80°)	813.6	36.6			G1/1800
FVH	(80°-90°)	150.3	6.8			G2/225
BL	(0°-30°)	46.5	2.1	B0/110		
BM	(30°-60°)	214.5	9.7	B0/220		
BH	(60°-80°)	186.5	8.4	B1/500		G1/500
BVH	(80°-90°)	45.0	2.0			G1/100
UL	(90°-100°)	50.9	2.3		U3/500	
UH	(100°-180°)	31.7	1.4		U2/50	

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

Type IV Short





REPORT NUMBER: P255165

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	68.1	67.8	68.1	68.1	67.8	67.5	66.7	66.2	65.4	64.9	64.6
5°	73.6	73.4	73.4	73.4	73.1	72.6	71.6	70.5	69.4	68.7	68.3
7.5°	81.7	80.9	80.9	80.7	80.1	79.3	77.9	76.9	75.8	74.6	74.0
10°	92.7	92.1	91.3	90.8	89.5	88.6	87.1	85.7	84.9	83.8	82.7
12.5°	105.8	106.5	106.0	103.8	102.2	100.9	98.8	98.0	97.1	95.8	95.0
15°	122.8	123.4	122.1	119.8	117.2	115.6	113.4	111.6	111.0	109.5	108.3
17.5°	142.2	143.3	141.3	138.0	134.5	130.8	129.3	127.3	126.5	124.9	123.9
20°	165.5	166.6	163.7	158.9	153.7	148.4	146.5	144.4	144.1	142.6	141.7
22.5°	192.8	193.5	189.0	182.0	174.9	167.9	165.0	162.8	163.2	161.8	161.4
25°	224.2	224.5	218.1	209.0	198.1	188.7	184.7	183.7	184.7	183.9	183.4
27.5°	259.7	259.5	253.6	239.5	222.9	210.1	205.3	205.5	207.9	208.4	208.4
30°	299.1	300.0	290.2	271.7	250.1	232.5	227.5	228.5	235.5	235.5	235.5
32.5°	344.6	344.3	333.1	306.5	279.4	257.9	251.2	252.3	260.8	264.9	263.6
35°	395.6	395.1	381.2	347.0	311.5	284.8	275.8	280.8	292.6	297.0	296.1
37.5°	450.3	450.3	434.1	392.1	346.5	314.2	304.3	310.0	326.4	334.0	330.0
40°	506.4	506.6	487.4	443.1	386.2	346.3	335.0	344.9	368.1	375.3	372.7
42.5°	562.4	560.8	543.0	493.7	429.0	382.3	368.6	385.2	413.5	423.7	419.9
45°	619.1	618.0	601.7	546.8	475.8	421.3	407.1	428.6	465.3	481.7	477.9
47.5°	673.8	673.8	658.7	600.2	526.4	465.6	452.8	479.2	525.9	543.8	544.5
50°	725.3	726.1	713.0	658.7	578.2	514.4	503.2	537.7	598.5	618.0	619.3
52.5°	773.3	775.5	767.0	719.5	636.1	568.9	560.8	599.9	671.2	699.7	703.2
55°	816.0	816.9	815.8	776.1	695.7	626.0	623.4	670.1	757.6	788.3	788.3
57.5°	846.0	850.8	860.6	828.4	757.6	688.5	687.9	743.0	836.9	873.5	871.4
60°	859.6	864.9	890.0	875.0	815.0	751.1	756.8	819.0	921.3	950.7	948.8
62.5°	851.0	858.0	898.8	906.3	860.6	809.7	820.3	887.4	980.5	1014.9	994.1
65°	811.6	821.7	878.8	913.3	890.8	854.3	874.5	941.0	1021.1	1041.4	1009.9
66°	790.0	801.1	865.8	909.2	896.7	867.3	891.3	955.2	1028.9	1043.2	1006.8
67.5°	753.9	762.9	836.9	894.9	899.4	885.0	911.3	969.0	1026.7	1036.4	989.4
70°	669.8	681.0	762.7	850.0	885.8	896.2	925.3	967.5	1000.6	987.1	924.8
72.5°	567.5	585.2	666.4	772.8	842.8	879.1	910.9	932.5	931.1	894.9	820.3
75°	452.0	462.9	548.8	664.2	762.2	829.8	861.5	857.6	824.4	769.9	686.3
77.5°	337.4	348.4	424.7	538.4	650.5	736.0	764.9	748.5	686.5	626.3	545.4
80°	237.6	247.3	311.0	417.3	525.6	613.7	637.7	614.6	538.7	478.9	410.0
82.5°	162.0	166.3	219.7	311.8	409.7	484.8	508.0	478.1	405.8	348.9	295.2
85°	99.5	105.8	149.2	222.2	301.4	359.0	377.2	353.7	291.5	246.2	203.4
87.5°	58.2	61.6	92.4	149.8	216.8	264.0	273.3	251.6	200.0	166.6	135.1
90°	31.2	33.9	53.1	93.4	147.1	182.6	189.6	169.3	130.8	106.2	86.6
92.5°	18.5	20.0	31.8	56.4	94.2	120.0	124.9	108.6	82.3	68.1	56.6
95°	12.0	13.1	20.9	35.3	57.9	76.1	78.4	67.3	52.0	44.8	39.3
97.5°	8.8	9.4	15.0	24.0	36.6	46.8	48.6	41.6	34.4	30.9	28.1
100°	7.0	7.4	11.5	17.6	24.6	30.1	30.7	27.2	23.7	21.9	20.9
102.5°	5.9	6.1	9.4	13.8	18.5	21.3	21.7	19.2	16.8	15.8	15.6
105°	5.0	5.4	7.9	11.5	14.6	16.5	16.5	14.4	12.2	11.5	11.8
107.5°	4.3	4.6	6.7	9.7	12.2	13.6	13.3	11.3	9.1	8.3	8.5



REPORT NUMBER: P255165

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	3.8	4.1	5.9	8.3	10.7	11.5	10.9	8.8	6.4	5.9	6.1
112.5°	3.5	3.5	5.0	7.2	9.1	9.7	8.8	6.7	4.6	4.3	4.6
115°	2.9	3.2	4.3	6.1	7.4	7.9	7.2	5.0	3.2	3.2	3.5
117.5°	2.6	2.9	3.8	5.0	6.4	6.7	5.9	4.1	2.4	2.4	2.6
120°	2.4	2.4	3.2	4.3	5.4	5.4	4.6	2.9	1.8	1.8	2.1
122.5°	2.1	2.4	2.6	3.5	4.3	4.3	3.5	2.1	1.6	1.6	1.8
125°	1.8	2.1	2.4	2.9	3.5	3.5	2.6	1.6	1.3	1.6	1.6
127.5°	1.8	1.8	2.1	2.4	2.9	2.6	2.1	1.1	1.3	1.3	1.6
130°	1.6	1.6	1.8	1.8	2.1	2.1	1.6	1.1	1.1	1.3	1.3
132.5°	1.3	1.3	1.6	1.6	1.8	1.6	1.1	0.8	1.1	1.1	1.3
135°	1.1	1.1	1.1	1.3	1.3	1.1	0.8	0.8	1.1	1.1	1.1
137.5°	1.1	0.8	1.1	1.1	0.8	0.5	0.5	0.5	0.8	1.1	1.1
140°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.8	0.8	1.1
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.8	0.8
145°	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





REPORT NUMBER: P255165

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	64.4	64.0	63.3	62.8	62.2	61.6	61.6	61.6	61.4	61.1	61.1
5°	67.8	67.3	66.2	65.1	63.8	62.8	62.2	62.0	61.4	60.8	60.8
7.5°	73.4	72.6	70.7	68.7	67.3	65.7	65.1	64.6	63.8	63.3	63.1
10°	82.0	80.7	77.7	75.1	72.3	70.3	69.4	68.9	68.3	68.3	68.3
12.5°	93.4	91.9	88.1	83.2	80.1	76.9	75.8	75.5	75.8	76.1	76.1
15°	106.7	104.2	99.3	92.9	88.4	84.9	83.8	83.8	84.3	84.6	84.6
17.5°	122.3	119.1	111.0	103.6	97.5	93.8	92.1	92.1	93.2	93.8	94.0
20°	138.5	135.1	125.9	113.9	106.2	101.9	100.1	100.4	101.7	103.0	103.4
22.5°	157.3	153.2	139.7	124.9	114.8	109.2	107.1	107.8	110.1	111.9	112.4
25°	178.6	173.5	155.5	136.7	122.5	115.0	113.4	115.0	118.2	120.6	121.0
27.5°	201.8	195.5	171.9	147.4	128.4	118.8	117.8	121.0	124.7	127.7	128.2
30°	227.7	219.7	189.0	156.7	133.0	121.8	120.6	124.9	129.5	133.0	133.6
32.5°	256.5	245.7	205.5	164.8	135.6	122.8	122.3	127.3	133.0	136.5	136.9
35°	287.8	273.3	223.2	171.1	136.7	122.5	122.3	128.2	134.1	137.4	137.7
37.5°	322.6	304.9	240.1	175.9	136.5	121.5	121.5	127.7	133.2	136.5	136.5
40°	362.5	339.0	258.4	179.0	135.1	119.6	119.8	125.4	130.8	133.0	133.2
42.5°	408.2	378.6	275.3	180.5	132.4	117.5	117.5	123.0	127.3	128.4	128.4
45°	460.5	422.7	293.7	180.2	129.7	115.0	115.4	120.0	123.4	123.6	123.4
47.5°	523.3	473.5	311.0	179.0	125.9	112.6	113.4	117.8	120.0	119.8	119.6
50°	592.0	528.6	328.1	176.7	122.8	111.0	112.1	116.2	118.2	117.5	116.9
52.5°	666.6	585.9	343.3	172.9	119.3	109.7	111.6	115.6	117.5	116.2	116.2
55°	743.7	642.9	355.3	167.3	116.4	108.9	111.9	115.6	117.8	116.4	116.4
57.5°	813.7	691.7	360.9	160.9	113.9	108.6	112.4	116.9	118.8	117.8	117.8
60°	868.7	725.8	357.2	153.5	111.6	108.3	113.4	118.5	120.6	119.3	119.3
62.5°	901.5	741.1	343.8	145.6	109.7	108.6	115.0	121.0	122.5	121.0	120.4
65°	900.2	725.3	321.4	136.9	107.8	108.6	116.2	122.3	123.6	121.8	121.0
66°	888.4	711.8	310.0	133.8	107.3	108.3	116.4	122.3	123.9	121.8	121.0
67.5°	866.3	683.6	290.9	128.7	106.0	108.1	116.7	122.5	123.6	121.8	120.6
70°	796.3	621.4	255.4	120.0	103.6	106.7	115.9	121.8	122.5	121.0	119.8
72.5°	691.7	533.0	219.4	111.6	100.4	103.8	113.7	119.1	120.4	118.8	117.8
75°	568.3	432.4	183.4	103.4	95.6	99.5	109.5	114.8	116.4	115.0	113.7
77.5°	441.9	331.0	148.9	95.3	89.9	94.2	103.6	108.3	110.1	108.3	107.6
80°	327.8	244.8	119.6	86.8	83.6	87.5	96.3	100.6	102.2	100.4	99.9
82.5°	235.2	177.5	95.3	77.5	75.8	79.5	87.5	91.3	92.7	91.6	89.7
85°	157.3	122.3	75.3	67.3	67.5	71.0	77.7	80.1	81.7	80.7	79.0
87.5°	106.5	83.8	59.5	57.2	57.9	60.3	66.4	68.3	69.4	68.1	67.8
90°	69.4	57.9	47.2	48.3	49.3	51.3	54.9	55.8	57.2	55.8	55.5
92.5°	47.2	42.4	38.5	40.3	41.6	42.9	45.2	45.7	46.8	45.7	45.2
95°	34.8	32.9	31.2	33.7	35.0	35.7	37.1	36.8	37.7	36.6	36.0
97.5°	26.4	25.3	25.6	27.8	29.1	29.6	30.1	29.6	29.9	28.9	28.3
100°	20.5	20.0	20.9	23.0	24.0	24.0	24.2	23.7	23.3	22.2	21.3
102.5°	15.8	15.8	16.8	18.9	19.7	19.7	19.4	18.7	17.9	16.8	16.8
105°	12.0	12.2	13.8	15.8	16.3	16.1	16.1	15.0	13.8	12.6	12.6
107.5°	9.1	9.4	10.9	12.8	13.3	13.3	12.8	11.8	10.4	9.4	9.4



REPORT NUMBER: P255165

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.7	7.2	8.8	10.4	10.9	10.7	10.4	9.1	7.7	7.0	6.7
112.5°	5.0	5.4	7.0	8.3	8.8	8.8	8.3	7.0	5.6	5.0	5.0
115°	3.8	4.3	5.4	6.7	7.0	7.0	6.4	5.4	4.1	3.5	3.8
117.5°	2.9	3.2	4.3	5.4	5.4	5.4	4.8	3.8	2.9	2.6	2.6
120°	2.4	2.6	3.2	4.1	4.1	4.1	3.5	2.6	2.1	1.8	2.1
122.5°	1.8	2.1	2.4	2.9	2.9	2.9	2.6	1.8	1.3	1.3	1.6
125°	1.8	1.8	1.8	2.1	2.1	2.1	1.8	1.3	1.1	1.1	1.1
127.5°	1.6	1.6	1.6	1.6	1.6	1.3	1.1	0.8	0.5	0.8	0.8
130°	1.6	1.6	1.3	1.3	1.1	0.8	0.5	0.2	0.2	0.5	0.5
132.5°	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.2	0.2
135°	1.3	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.2	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	0.2	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)