

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: P254842

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T3-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3081.1 lumens  
Efficiency: N/A  
Efficacy: 99.4 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): 31  
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

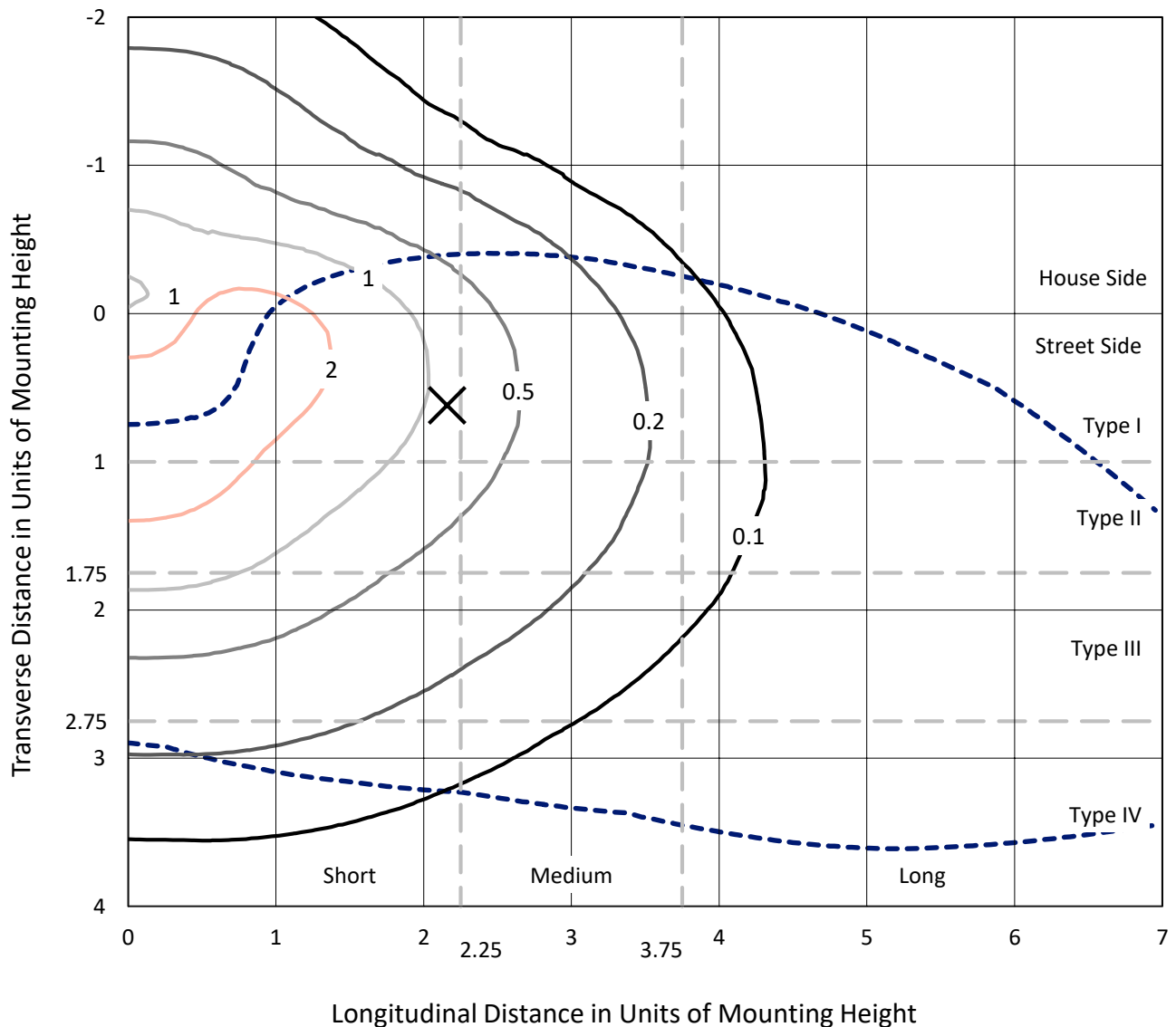


REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

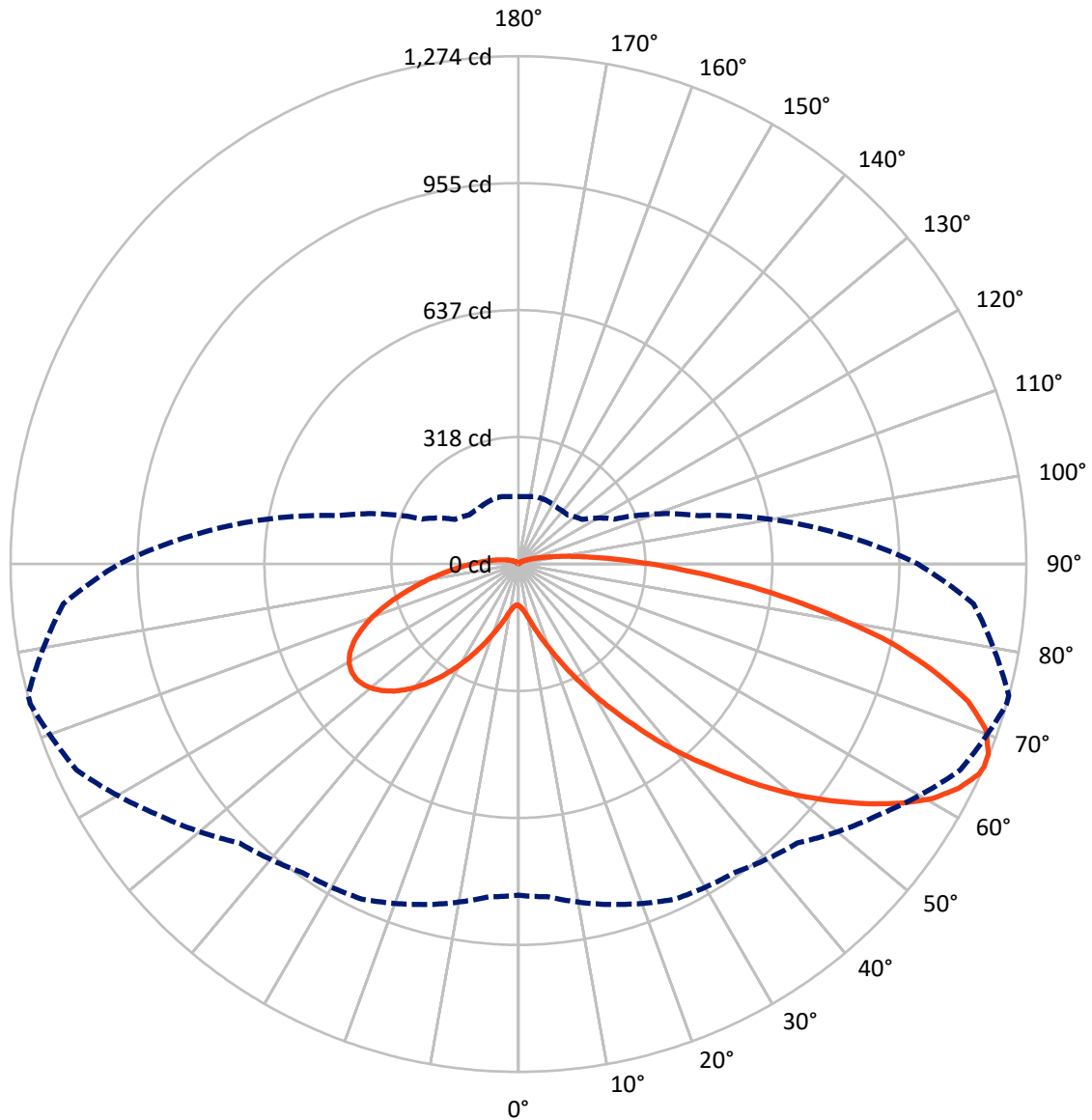


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical



REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

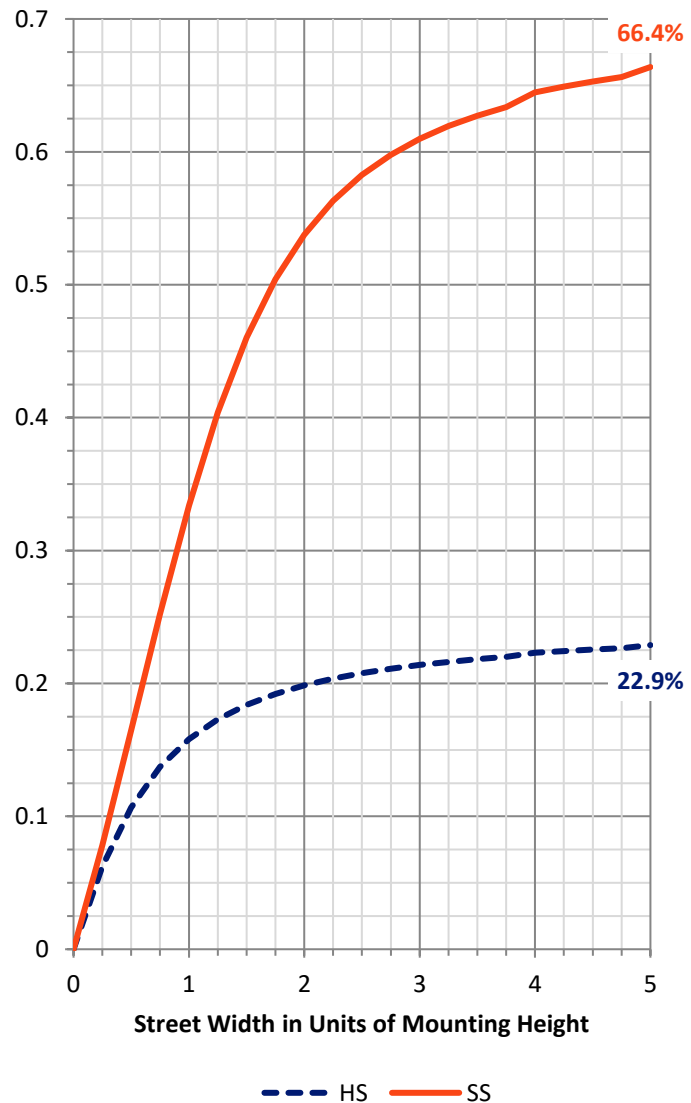
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	741.1	76.6	817.7
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	2132.1	131.4	2263.4
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	2873.1	208.0	3081.1
	% Fixture	93.2	6.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.0	0.4
10°-20°	46.6	1.5
20°-30°	119.7	3.9
30°-40°	242.4	7.9
40°-50°	410.3	13.3
50°-60°	581.8	18.9
60°-70°	656.9	21.3
70°-80°	525.3	17.0
80°-90°	279.1	9.1
90°-100°	117.7	3.8
100°-110°	50.0	1.6
110°-120°	23.1	0.7
120°-130°	11.0	0.4
130°-140°	4.8	0.2
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2873.1	93.2
0°-180°	3081.1	100.0



REPORT NUMBER: P254842

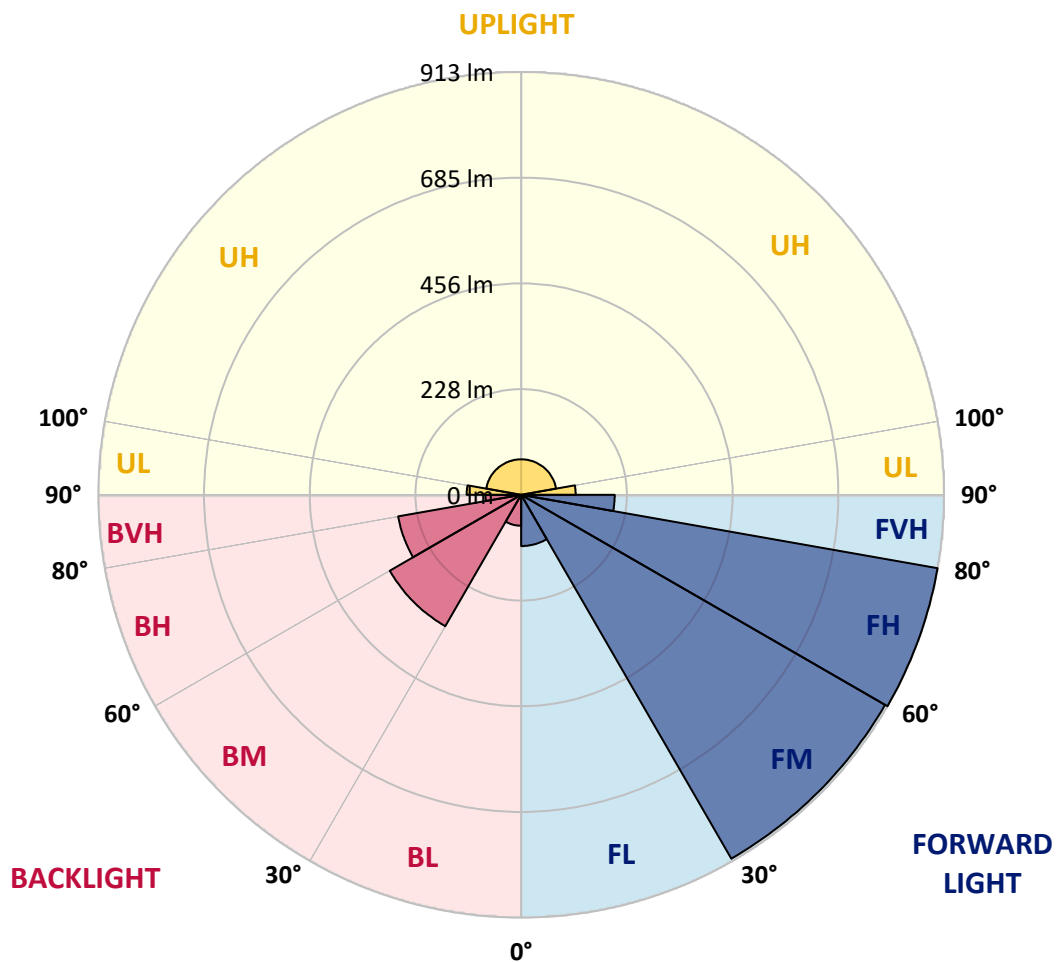
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.6	3.6			
FM	(30°-60°)	906.9	29.4			
FH	(60°-80°)	912.7	29.6			G1/1800
FVH	(80°-90°)	201.9	6.6			G2/225
BL	(0°-30°)	66.8	2.2	B0/110		
BM	(30°-60°)	327.6	10.6	B1/1000		
BH	(60°-80°)	269.5	8.7	B1/500		G1/500
BVH	(80°-90°)	77.2	2.5			G1/100
UL	(90°-100°)	117.7	3.8		U3/500	
UH	(100°-180°)	76.6	2.5		U3/500	

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

Type IV Short





REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	113.5	114.1	113.5	113.1	112.3	112.0	110.5	108.6	107.5	107.1	105.7
5°	125.1	126.2	125.4	124.3	123.3	121.8	119.4	116.5	114.1	113.8	110.9
7.5°	139.3	140.8	139.8	138.2	136.3	134.1	130.7	127.0	123.6	122.8	119.1
10°	159.5	159.2	157.7	155.3	152.9	150.6	146.4	140.8	136.7	135.9	130.7
12.5°	182.4	182.4	180.2	176.8	173.0	169.7	165.5	159.2	154.7	153.5	147.2
15°	208.2	209.3	206.0	202.2	197.0	192.1	188.4	181.6	176.4	175.3	167.3
17.5°	238.5	239.0	235.2	230.3	224.3	219.8	214.2	207.1	201.1	200.0	190.2
20°	273.3	273.0	268.6	261.7	255.0	251.0	243.7	235.9	229.2	228.5	216.9
22.5°	313.1	310.1	306.7	298.1	292.5	284.6	277.1	268.1	261.7	260.7	248.3
25°	357.6	353.6	350.1	338.9	330.7	321.3	313.5	305.6	300.4	298.1	283.5
27.5°	407.9	405.3	398.5	384.6	371.9	360.2	354.3	346.8	341.2	340.1	325.0
30°	464.1	457.7	450.5	433.6	416.5	400.8	394.8	391.7	387.7	386.1	369.3
32.5°	519.8	519.4	508.9	487.7	465.1	447.5	442.0	440.5	436.7	437.0	416.9
35°	585.7	585.3	572.3	546.1	518.0	496.2	492.4	494.4	493.2	492.9	470.1
37.5°	655.8	654.3	639.7	607.8	572.9	548.3	545.6	552.0	556.9	553.5	526.9
40°	728.0	729.2	709.3	671.8	631.1	603.0	601.5	616.1	621.3	618.0	586.5
42.5°	798.0	797.4	778.6	740.0	689.9	659.9	661.0	680.1	686.4	684.9	650.1
45°	865.9	865.2	848.3	803.3	750.2	717.5	723.2	746.4	758.8	758.8	717.2
47.5°	925.4	924.7	910.0	864.4	808.2	775.2	784.3	815.7	836.3	833.6	784.6
50°	974.0	973.0	962.9	920.9	863.2	831.8	847.1	888.0	913.1	907.4	853.6
52.5°	1005.1	1006.8	1001.8	966.6	912.7	884.2	907.8	959.1	986.8	984.5	923.6
55°	1020.2	1020.9	1026.9	999.6	952.4	930.7	965.6	1027.7	1061.8	1058.7	991.0
57.5°	1013.1	1015.2	1031.4	1017.2	979.7	968.8	1017.2	1091.0	1131.8	1132.2	1050.5
60°	983.2	989.2	1013.8	1017.2	993.1	993.6	1059.9	1147.1	1193.9	1191.4	1099.9
62.5°	932.8	940.4	976.3	994.7	986.5	1004.8	1087.9	1190.9	1238.9	1240.7	1135.5
65°	863.5	870.7	914.2	950.9	960.6	998.4	1100.4	1218.7	1269.6	1269.1	1147.9
66°	830.7	837.8	884.2	927.6	944.9	989.5	1099.5	1222.7	1273.8	1273.3	1146.0
67.5°	776.4	784.3	832.5	885.3	913.9	969.5	1091.0	1220.5	1271.4	1270.6	1133.7
70°	676.0	684.9	738.9	797.4	844.9	918.4	1056.5	1195.1	1243.7	1240.0	1087.9
72.5°	571.1	580.5	634.5	696.6	763.6	850.5	994.7	1136.3	1180.1	1175.2	1011.5
75°	468.5	477.5	530.7	594.0	666.6	761.4	907.8	1043.4	1078.2	1077.9	908.6
77.5°	374.9	382.7	430.3	493.2	566.6	662.5	801.1	931.0	959.6	951.9	786.1
80°	294.0	301.4	342.3	398.8	470.4	559.9	684.2	795.1	810.4	805.9	656.8
82.5°	228.1	234.8	270.4	319.5	383.8	462.5	561.4	658.0	665.2	660.3	531.8
85°	176.4	182.4	212.7	255.0	309.8	374.9	453.9	522.5	529.2	525.7	420.2
87.5°	136.7	140.8	166.3	201.9	247.9	300.7	359.9	412.7	410.0	406.7	325.0
90°	105.7	109.7	130.7	160.3	198.1	239.3	282.8	318.4	313.5	309.8	249.4
92.5°	82.1	85.0	103.4	128.1	158.8	190.2	220.9	243.7	237.4	234.8	190.2
95°	64.8	67.0	81.6	104.5	128.1	152.1	173.0	189.1	179.7	177.5	145.0
97.5°	52.0	53.5	65.9	84.2	104.2	122.5	136.7	143.4	136.3	134.5	110.5
100°	42.7	43.4	54.0	68.5	84.6	99.7	108.6	111.6	104.2	102.6	84.2
102.5°	35.2	35.9	44.6	57.7	70.4	80.9	86.6	88.4	79.0	77.9	65.1
105°	29.6	29.9	37.0	48.7	59.2	66.6	70.4	68.5	61.0	59.9	51.0
107.5°	25.4	25.9	31.0	41.5	50.1	55.8	58.0	55.4	47.5	46.4	40.1



REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	22.1	22.1	26.6	35.2	42.7	47.5	48.3	44.1	37.4	36.7	32.2
112.5°	19.4	19.4	23.3	30.4	36.7	40.4	40.4	35.9	29.6	29.2	26.2
115°	17.6	17.6	20.2	26.2	31.8	34.9	34.1	29.2	23.9	23.6	21.8
117.5°	15.8	15.8	17.6	22.5	27.4	29.9	28.9	23.9	19.4	19.1	18.3
120°	14.2	14.2	15.8	19.1	23.6	25.4	24.4	19.8	16.1	15.8	15.4
122.5°	13.1	13.1	13.8	16.8	20.2	21.8	20.6	16.5	13.4	13.4	13.1
125°	12.0	12.0	12.8	14.6	17.3	18.7	17.3	13.4	11.3	11.3	11.6
127.5°	11.3	11.3	11.6	12.8	15.0	15.8	14.2	11.3	9.8	9.8	10.2
130°	10.2	10.2	10.5	11.3	12.3	13.1	11.6	9.4	8.6	8.2	8.6
132.5°	9.4	9.4	9.4	9.8	10.2	10.5	9.4	7.5	7.1	7.1	7.5
135°	8.2	8.6	8.2	8.2	8.2	8.2	7.1	6.0	6.0	6.0	6.3
137.5°	7.5	7.5	7.1	6.8	6.8	6.3	5.6	4.9	4.9	4.9	5.3
140°	6.3	6.3	6.3	5.6	4.9	4.5	3.8	3.8	4.2	4.2	4.5
142.5°	5.3	5.3	4.9	4.5	3.4	2.9	2.6	2.6	2.9	2.9	3.4
145°	4.2	4.2	3.8	2.9	2.3	1.5	1.5	1.5	1.8	1.8	2.3
147.5°	2.9	2.9	2.6	1.8	1.1	0.8	0.8	1.1	1.5	1.5	1.8
150°	1.8	1.8	1.5	1.1	0.3	0.0	0.3	0.8	1.1	1.1	1.5
152.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.3	0.8	0.8	1.1
155°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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	0.3
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: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	104.9	104.2	102.6	101.5	100.0	99.2	98.9	98.2	97.8	97.4	97.4
5°	109.4	107.8	105.2	102.6	100.4	98.2	97.0	95.8	94.7	94.0	94.0
7.5°	116.8	114.6	110.5	106.3	102.6	99.7	97.4	95.8	94.4	93.6	93.2
10°	127.3	124.3	118.8	113.1	107.8	103.4	100.4	98.5	97.0	95.8	95.5
12.5°	143.7	139.3	131.1	122.8	114.6	109.7	105.7	104.5	103.7	103.0	103.7
15°	162.9	157.4	147.2	136.3	126.2	118.3	114.9	114.1	113.5	113.1	113.1
17.5°	184.2	178.3	164.8	150.6	138.2	130.3	125.4	124.0	122.8	122.5	122.1
20°	210.1	202.2	184.9	166.6	152.1	143.4	136.7	134.1	133.0	133.0	133.0
22.5°	240.1	229.6	208.2	184.2	167.3	155.3	148.3	144.2	143.4	143.7	143.4
25°	273.8	261.0	233.7	204.1	182.0	167.0	158.0	154.3	153.2	153.9	153.9
27.5°	311.9	297.4	261.0	225.1	195.9	177.1	167.0	163.7	162.6	163.7	163.7
30°	352.1	335.5	289.5	245.0	207.8	185.4	174.2	171.5	170.5	171.5	171.9
32.5°	400.0	375.3	319.5	264.1	219.1	192.1	180.2	177.9	176.8	178.3	178.3
35°	449.4	419.1	349.4	281.7	228.1	197.0	184.2	182.4	181.6	183.1	183.1
37.5°	499.7	466.6	380.1	297.4	234.8	200.4	187.3	185.7	185.4	185.4	185.7
40°	554.6	513.4	409.2	310.1	239.8	202.2	189.1	187.3	186.9	186.5	186.5
42.5°	611.6	558.8	435.5	319.8	241.9	202.5	189.1	188.0	187.6	186.2	185.7
45°	670.0	607.1	460.3	326.5	242.7	201.9	188.8	187.6	187.3	184.6	184.2
47.5°	729.6	653.5	480.5	329.5	240.8	200.4	187.6	186.5	185.7	181.6	181.6
50°	788.3	699.3	497.6	330.0	237.8	197.8	186.2	185.7	184.2	179.4	178.6
52.5°	846.0	742.3	510.5	327.3	232.9	195.1	184.6	184.6	182.8	177.5	176.8
55°	900.3	780.8	518.0	321.3	227.4	191.7	182.8	183.1	181.3	175.7	175.0
57.5°	947.5	812.7	519.1	312.4	220.9	188.4	181.0	181.6	180.5	174.2	173.4
60°	985.3	832.9	513.8	301.4	213.5	184.2	178.6	180.2	178.9	173.0	172.6
62.5°	1006.0	840.7	500.7	288.0	206.0	180.5	175.7	178.3	177.5	171.5	171.1
65°	1007.5	831.0	479.0	272.6	198.1	176.0	173.0	175.3	175.3	170.0	169.7
66°	1001.8	821.3	468.1	266.7	194.7	174.2	171.5	174.2	174.5	169.7	169.0
67.5°	984.2	801.1	449.4	256.2	189.4	171.1	169.0	171.9	172.3	168.2	167.0
70°	935.1	751.6	415.3	239.0	181.0	165.2	164.0	167.0	167.8	164.4	163.3
72.5°	859.9	686.8	375.3	220.1	171.1	158.4	158.0	161.0	161.8	158.8	157.7
75°	764.7	601.8	331.0	201.9	160.6	150.9	150.6	152.9	153.9	151.7	149.8
77.5°	656.1	514.6	287.6	183.1	150.2	142.4	142.4	144.2	144.5	142.4	140.4
80°	544.8	428.4	248.3	164.4	139.3	132.5	132.5	133.3	133.8	131.4	129.3
82.5°	440.5	349.4	210.5	146.4	127.0	121.8	121.4	121.4	121.0	119.1	116.5
85°	348.3	280.5	176.0	129.6	114.9	110.9	109.7	108.6	107.8	105.7	103.4
87.5°	272.3	223.2	148.3	113.8	103.0	99.7	98.2	96.5	94.7	92.1	89.1
90°	211.6	176.8	123.6	99.2	91.0	88.1	85.8	83.5	81.3	78.2	76.8
92.5°	164.0	139.8	103.4	85.4	79.8	77.6	75.3	72.3	69.3	66.3	64.8
95°	127.8	111.2	85.8	73.8	69.7	67.7	65.5	62.2	58.5	55.4	54.3
97.5°	99.7	88.4	71.6	63.7	61.0	58.8	56.6	53.2	49.0	45.7	44.9
100°	77.6	70.4	59.9	55.0	52.8	51.4	49.0	45.7	40.9	37.4	37.0
102.5°	61.4	56.6	50.1	47.5	46.1	44.6	42.3	38.9	34.1	30.4	30.4
105°	48.7	45.7	42.3	40.9	39.7	38.6	36.3	33.0	27.8	24.7	24.7
107.5°	39.4	37.0	35.6	34.9	34.4	33.4	31.4	27.8	22.8	20.2	20.2



REPORT NUMBER: P254842

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.8	30.7	29.9	29.9	29.6	29.2	27.0	23.3	18.7	16.5	16.8
112.5°	26.2	25.4	25.4	25.9	25.9	25.1	22.8	19.4	15.4	13.8	13.8
115°	21.8	21.3	21.8	22.1	22.5	21.8	19.4	16.1	12.3	11.6	11.6
117.5°	18.3	18.3	18.7	19.1	19.1	18.3	16.5	13.4	10.2	9.8	9.8
120°	15.8	15.8	15.8	16.1	16.5	15.8	13.8	10.8	8.2	8.2	8.2
122.5°	13.4	13.4	13.4	13.8	13.8	13.4	11.6	9.0	7.1	7.1	7.1
125°	11.6	11.6	11.6	12.0	12.0	11.3	9.4	7.5	6.0	6.0	6.0
127.5°	10.2	10.2	10.2	10.2	10.2	9.4	7.8	6.0	4.9	5.3	5.3
130°	9.0	9.0	8.6	8.6	8.2	7.8	6.3	4.9	4.2	4.5	4.5
132.5°	7.5	7.8	7.5	7.1	6.8	6.0	4.9	3.8	3.4	3.8	3.8
135°	6.3	6.8	6.3	5.6	5.3	4.9	3.8	2.9	2.9	2.9	2.9
137.5°	5.6	5.6	5.3	4.5	4.2	3.4	2.6	2.3	2.3	2.6	2.6
140°	4.5	4.5	4.2	3.4	2.9	2.3	1.5	1.5	1.8	1.8	1.8
142.5°	3.4	3.4	2.9	2.3	1.5	1.1	0.8	0.8	1.1	1.5	1.5
145°	2.3	2.3	2.3	1.5	1.1	0.3	0.0	0.3	0.8	0.8	0.8
147.5°	1.8	1.8	1.5	1.1	0.3	0.0	0.0	0.0	0.3	0.3	0.3
150°	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	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)