

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: P266003

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)  
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-FL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1896.2 lumens  
Efficiency: N/A  
Efficacy: 90.3 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

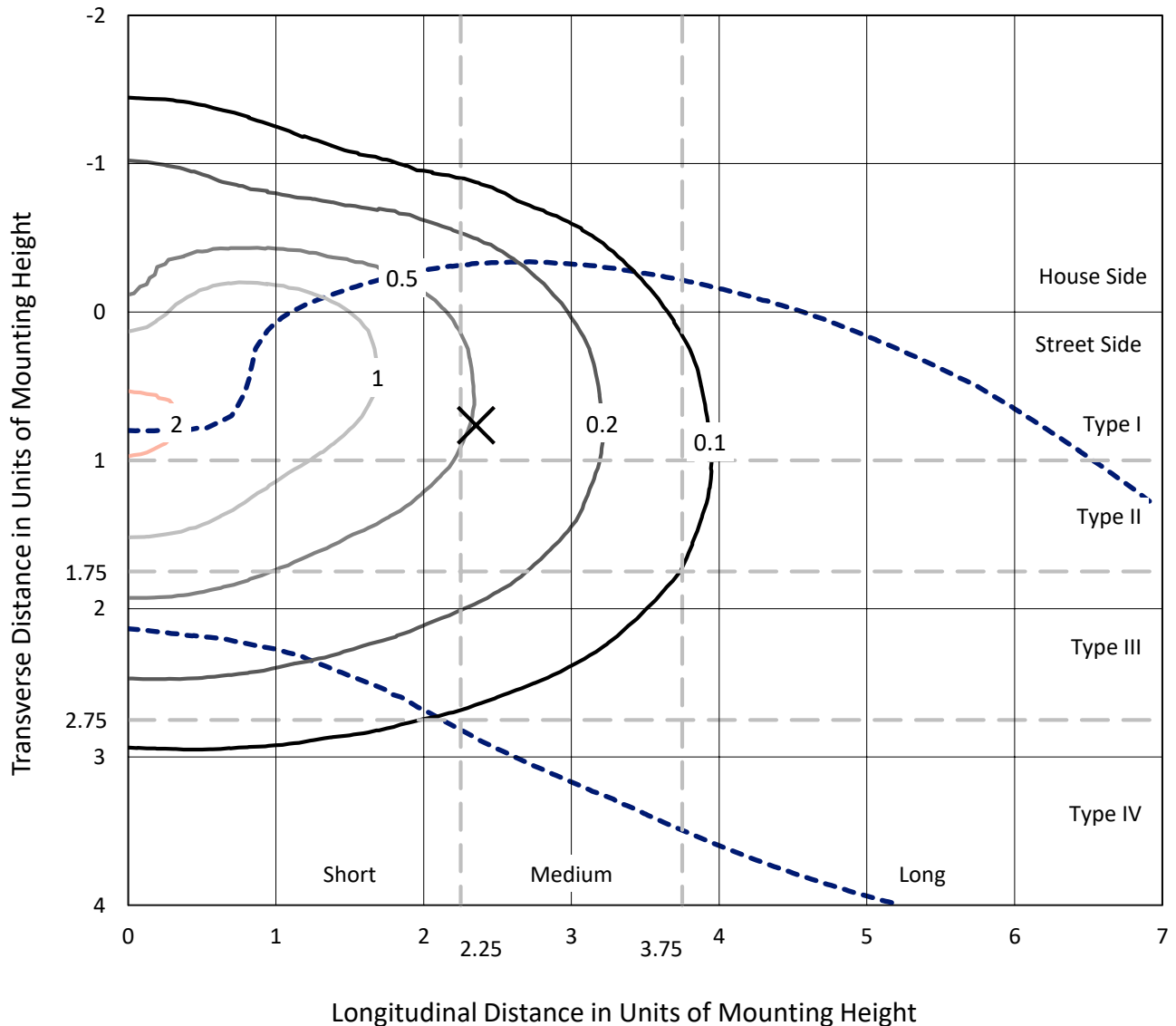


REPORT NUMBER: P266003

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

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

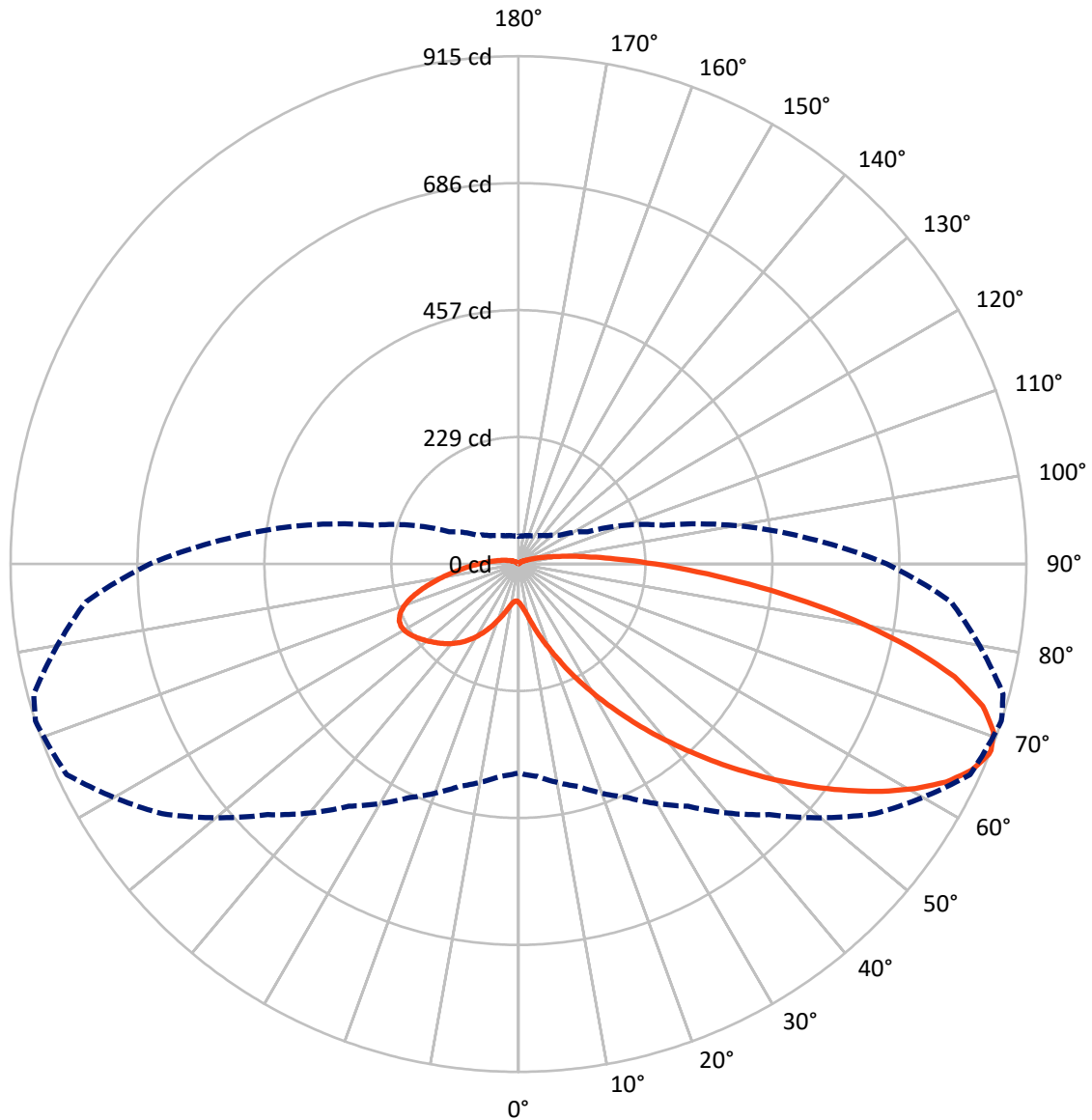


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266003

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

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P266003

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

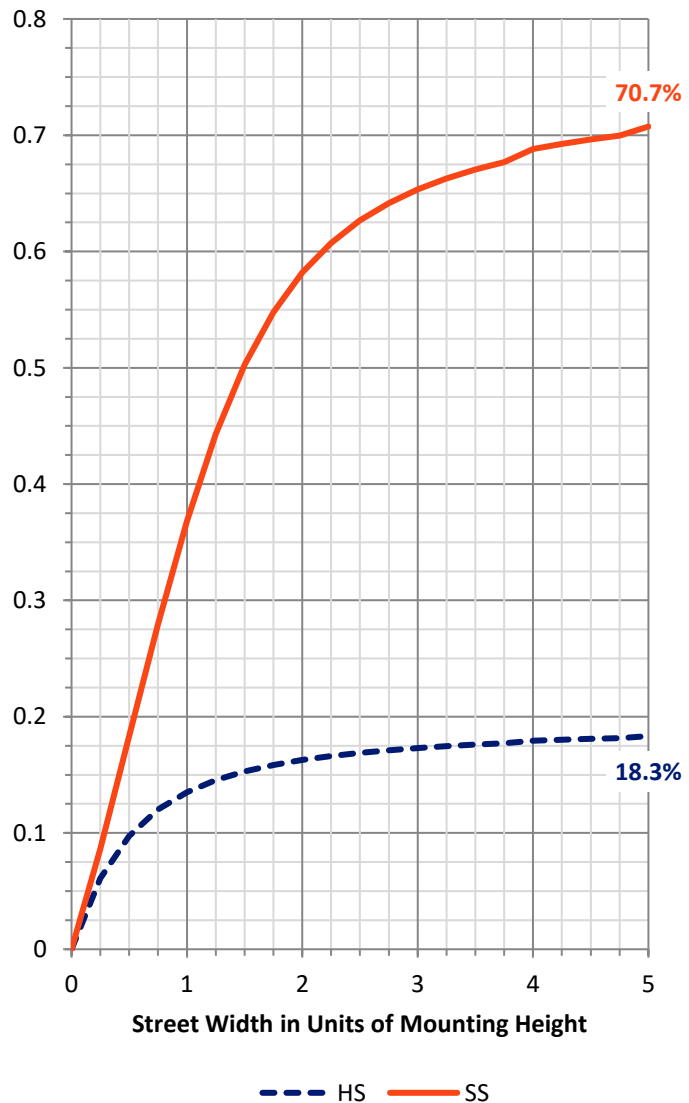
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	364.4	43.4	407.8
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	1398.9	89.5	1488.4
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	1763.3	132.9	1896.2
	% Fixture	93.0	7.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.4
10°-20°	30.1	1.6
20°-30°	74.5	3.9
30°-40°	145.7	7.7
40°-50°	242.8	12.8
50°-60°	345.8	18.2
60°-70°	400.6	21.1
70°-80°	334.6	17.6
80°-90°	182.1	9.6
90°-100°	76.4	4.0
100°-110°	31.8	1.7
110°-120°	14.4	0.8
120°-130°	6.7	0.4
130°-140°	2.8	0.1
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1763.3	93.0
0°-180°	1896.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P266003

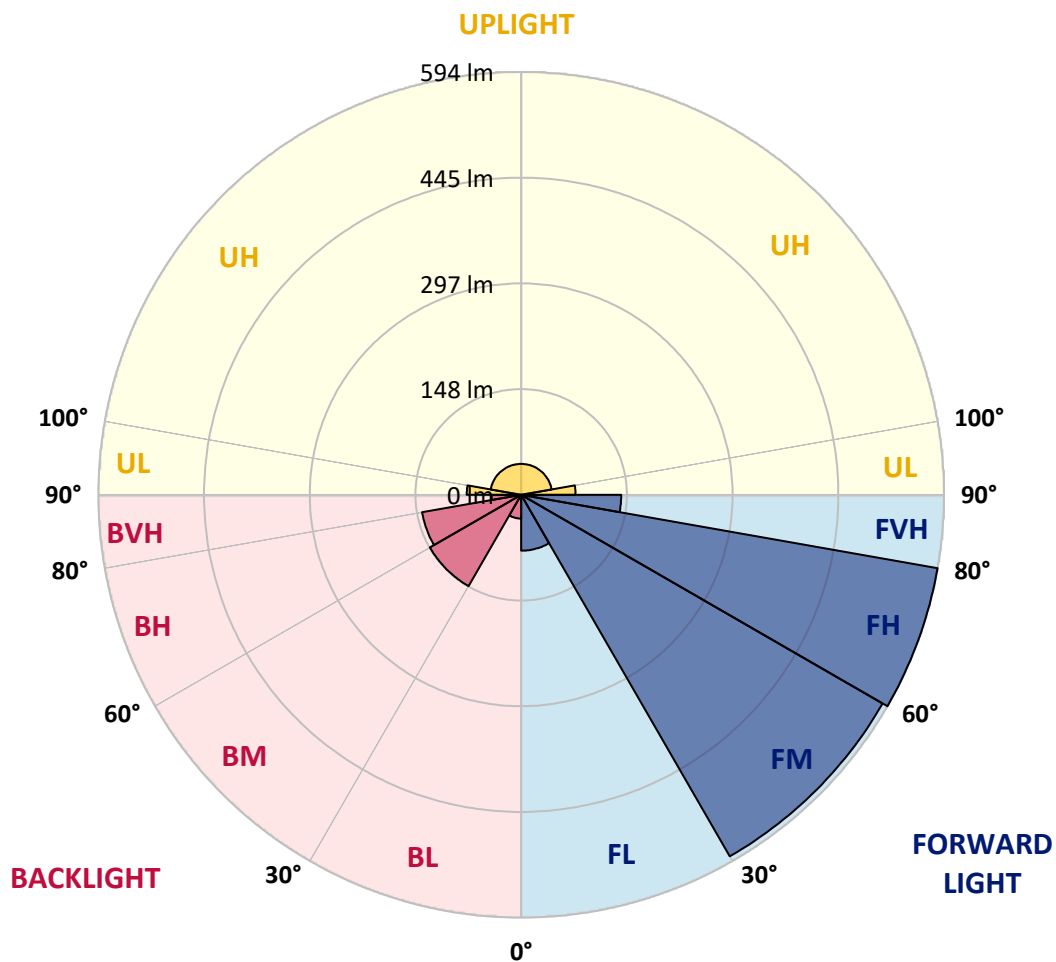
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-FL-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.5	4.1			
FM	(30°-60°)	586.2	30.9			
FH	(60°-80°)	593.8	31.3			G0/660
FVH	(80°-90°)	140.4	7.4			G2/225
BL	(0°-30°)	33.4	1.8	B0/110		
BM	(30°-60°)	148.0	7.8	B0/220		
BH	(60°-80°)	141.3	7.5	B1/500		G1/500
BVH	(80°-90°)	41.7	2.2			G1/100
UL	(90°-100°)	76.4	4.0		U3/500	
UH	(100°-180°)	43.4	2.3		U2/50	

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

Type IV Medium





REPORT NUMBER: P266003

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	79.0	79.0	79.1	78.4	77.8	77.0	75.3	73.9	72.7	72.0	70.4
5°	89.7	89.9	89.4	88.8	87.6	85.9	83.5	80.6	78.2	77.8	74.3
7.5°	102.3	102.3	102.0	100.7	99.4	96.8	93.3	89.4	86.1	85.3	80.4
10°	117.0	117.0	116.8	114.9	112.6	109.9	105.6	101.5	96.8	95.5	88.8
12.5°	134.2	134.0	133.4	131.0	128.3	124.8	120.0	114.9	110.5	108.9	100.7
15°	153.0	153.0	152.1	148.8	145.9	141.6	137.3	132.9	127.4	125.5	115.2
17.5°	173.6	173.5	171.4	168.6	164.3	160.9	156.8	151.9	145.9	143.4	131.4
20°	196.9	196.2	193.6	189.7	185.9	181.5	177.4	170.5	165.5	164.0	150.1
22.5°	223.3	222.2	218.7	213.4	208.9	203.6	199.3	193.2	188.7	186.0	172.5
25°	252.8	252.3	248.2	239.6	233.1	227.1	222.8	219.9	215.9	212.0	196.2
27.5°	284.9	283.8	276.9	268.4	258.4	251.5	247.6	245.3	242.9	240.7	222.3
30°	319.4	318.7	309.8	299.0	285.7	276.9	274.2	274.3	274.0	271.7	251.3
32.5°	356.8	356.4	345.4	331.7	314.9	303.4	302.6	306.2	307.0	305.6	282.4
35°	397.0	396.4	383.8	366.7	345.6	332.2	333.1	340.1	343.2	342.0	315.8
37.5°	437.7	437.2	424.0	403.2	377.3	361.8	364.8	376.3	382.3	381.3	351.3
40°	482.5	478.2	464.6	439.6	410.0	393.1	399.6	414.8	423.8	420.4	388.5
42.5°	521.3	518.2	503.4	475.7	443.5	427.9	435.8	455.9	467.8	466.9	428.3
45°	555.7	554.3	539.6	509.9	476.8	461.2	473.9	499.7	514.6	512.0	470.4
47.5°	586.7	584.2	570.9	540.8	507.5	496.3	513.6	544.9	563.3	561.7	513.7
50°	607.4	606.5	594.8	566.2	536.0	526.4	555.0	593.8	614.7	612.7	558.7
52.5°	617.0	616.9	609.0	584.9	560.5	561.9	597.2	643.9	666.9	666.3	605.5
55°	613.9	613.7	610.8	594.9	579.6	591.4	639.4	695.0	719.9	719.5	650.9
57.5°	595.4	596.5	600.2	594.6	592.4	618.6	680.1	745.0	772.3	770.8	695.3
60°	560.3	562.3	574.6	581.8	595.9	637.6	717.7	794.1	821.0	818.5	735.5
62.5°	511.8	516.9	535.1	556.9	588.7	650.6	751.4	837.7	864.3	859.3	763.6
65°	454.1	459.8	484.5	520.4	570.9	652.6	775.3	873.4	896.5	890.0	783.1
67.5°	389.8	397.0	426.9	474.1	540.3	642.3	784.0	895.5	913.8	903.4	784.9
68°	376.5	383.8	414.7	463.9	532.4	638.2	783.7	897.4	914.5	903.4	782.1
70°	325.1	332.9	366.7	421.1	501.1	617.9	774.3	895.3	907.9	894.5	762.9
72.5°	266.6	274.3	308.4	366.1	452.7	575.9	741.6	868.4	874.4	858.6	716.6
75°	214.2	222.2	254.8	313.1	400.6	526.0	687.2	812.2	811.1	792.7	646.8
77.5°	169.6	176.7	208.0	263.2	346.7	465.1	617.0	728.5	720.7	701.2	558.0
80°	133.4	139.9	168.2	218.7	295.1	401.3	533.4	626.7	613.5	593.6	462.6
82.5°	104.1	110.1	135.0	179.9	247.3	339.1	443.5	519.0	500.7	482.5	371.0
85°	81.2	86.1	108.2	146.8	204.4	280.4	364.8	414.4	395.3	379.4	289.3
87.5°	63.6	67.6	86.3	119.1	168.6	227.8	291.0	322.9	304.9	291.9	221.8
90°	49.9	52.8	69.6	96.7	136.0	183.8	228.6	247.8	231.7	221.6	169.3
92.5°	39.5	41.7	55.3	78.4	109.7	145.9	177.0	187.7	174.4	166.9	128.5
95°	31.7	33.3	44.8	64.0	89.2	115.3	136.3	141.8	131.2	125.5	97.6
97.5°	26.0	27.0	36.9	52.0	71.4	91.5	105.6	107.6	99.1	94.7	74.6
100°	21.6	22.3	30.5	43.2	58.0	72.9	82.3	82.6	75.3	71.8	56.9
102.5°	18.2	18.8	25.4	36.0	48.0	58.5	64.8	63.6	57.1	54.2	43.7
105°	15.6	16.1	21.3	30.3	40.1	47.5	51.1	49.1	43.7	41.5	33.9
107.5°	13.7	14.0	18.0	25.4	33.5	39.0	41.2	38.5	33.9	31.9	26.6



REPORT NUMBER: P266003

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	11.9	12.2	15.4	21.7	28.2	32.9	33.5	30.5	26.4	25.0	21.3
112.5°	10.6	10.8	13.5	18.4	24.3	27.6	27.8	24.4	20.9	19.7	17.2
115°	9.6	9.8	11.8	15.8	20.7	23.3	23.0	19.7	16.6	15.6	14.2
117.5°	8.9	9.2	10.6	13.7	17.7	19.7	19.1	16.1	13.5	12.8	11.9
120°	8.2	8.4	9.3	11.8	15.1	16.8	15.8	12.9	11.0	10.6	10.2
122.5°	7.6	7.6	8.4	10.3	12.9	14.2	13.1	10.8	9.2	8.7	8.7
125°	6.9	7.1	7.6	8.9	11.0	11.9	11.0	8.9	7.5	7.5	7.5
127.5°	6.6	6.6	6.9	7.9	9.3	10.2	9.2	7.1	6.3	6.3	6.5
130°	6.3	6.3	6.3	6.9	7.9	8.2	7.1	5.7	5.3	5.3	5.5
132.5°	5.7	5.7	5.7	6.0	6.5	6.5	5.7	4.9	4.5	4.5	4.9
135°	5.3	5.3	5.0	5.0	5.3	5.0	4.5	3.9	3.7	3.9	4.1
137.5°	4.5	4.5	4.5	4.3	4.1	3.9	3.1	2.9	2.9	3.1	3.4
140°	3.9	3.9	3.9	3.4	3.1	2.6	2.2	1.9	2.2	2.3	2.6
142.5°	3.1	3.1	3.1	2.6	2.2	1.6	1.2	1.2	1.4	1.6	1.9
145°	2.3	2.3	2.3	1.9	1.4	1.0	0.7	1.0	1.2	1.2	1.4
147.5°	1.6	1.6	1.6	1.2	0.7	0.2	0.2	0.7	1.0	1.0	1.2
150°	1.0	1.0	1.0	0.4	0.2	0.0	0.0	0.4	0.7	0.7	1.0
152.5°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
155°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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: P266003

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	69.6	68.8	67.2	65.4	64.0	62.8	61.9	61.4	60.9	60.6	60.1
5°	72.7	71.0	67.6	64.5	61.7	59.3	56.9	55.3	54.4	53.7	53.4
7.5°	78.0	75.3	70.2	65.4	60.9	56.7	53.7	51.8	50.1	49.1	48.9
10°	85.6	82.3	74.7	67.9	61.7	56.1	52.0	49.1	47.3	46.4	46.4
12.5°	96.7	91.5	81.7	72.3	63.6	56.7	51.6	48.9	47.5	46.7	46.7
15°	110.3	103.7	90.9	78.4	67.5	58.7	53.7	50.8	49.3	48.7	48.7
17.5°	125.5	116.8	101.0	85.1	71.2	62.6	56.1	52.8	51.1	50.3	50.3
20°	142.7	132.9	111.7	91.8	76.3	66.1	58.7	54.4	52.8	52.3	52.0
22.5°	162.4	149.7	123.4	98.9	81.2	69.1	60.9	55.9	54.4	54.0	54.0
25°	184.2	168.8	136.3	106.2	85.3	71.2	62.6	57.5	55.9	55.7	55.3
27.5°	207.1	189.3	148.8	113.5	88.6	72.5	63.6	59.0	57.1	57.1	56.9
30°	234.1	210.6	161.2	119.5	90.4	72.9	63.8	59.6	58.0	58.3	58.5
32.5°	261.0	233.1	173.5	124.8	91.8	73.1	63.8	59.9	58.3	59.0	59.0
35°	289.4	256.3	185.1	129.0	92.5	72.9	63.8	60.5	58.5	59.3	59.5
37.5°	319.4	280.1	196.4	132.4	93.1	72.7	63.8	60.5	58.7	59.5	59.5
40°	350.2	303.8	207.1	134.7	93.1	72.5	63.6	60.5	59.3	59.3	59.5
42.5°	383.2	328.6	217.0	136.7	93.1	72.0	63.6	60.5	58.7	59.0	59.3
45°	418.3	354.0	226.5	138.1	92.9	72.0	63.3	60.1	58.5	58.3	58.5
47.5°	452.6	380.3	235.5	139.5	92.5	72.3	63.3	59.9	58.0	57.1	57.3
50°	490.5	407.7	244.9	140.6	92.9	72.3	63.6	59.6	57.3	56.1	56.4
52.5°	527.8	435.0	254.0	141.8	92.9	72.5	63.6	59.3	56.7	54.9	55.2
55°	567.4	462.2	262.8	142.9	93.1	72.7	63.8	58.7	55.9	54.0	54.2
57.5°	602.0	488.0	270.7	143.6	93.1	73.1	63.8	58.5	55.2	53.0	53.0
60°	633.7	512.0	277.2	143.9	93.1	73.1	63.8	58.0	54.6	52.0	52.0
62.5°	657.6	528.2	280.4	143.4	92.5	73.1	63.6	57.5	54.2	51.4	51.4
65°	669.9	535.1	279.0	141.8	92.0	72.9	63.3	56.9	53.4	50.8	50.7
67.5°	666.7	529.8	271.9	138.3	90.9	72.3	62.6	55.9	53.0	50.3	49.9
68°	663.6	525.7	269.9	137.4	90.2	72.0	62.3	55.9	52.8	50.3	49.9
70°	642.5	508.3	258.5	133.4	89.0	71.0	61.7	54.9	52.0	49.9	49.3
72.5°	597.9	470.4	239.6	126.4	86.1	69.3	59.9	53.7	51.1	49.1	48.5
75°	533.9	419.7	215.9	118.2	82.6	67.2	57.9	52.0	49.6	48.0	47.3
77.5°	460.9	360.2	189.7	108.3	78.2	64.5	55.3	50.1	48.0	46.5	45.4
80°	381.3	299.0	163.3	98.1	73.4	61.2	52.8	47.7	45.9	44.1	43.2
82.5°	305.9	242.3	138.3	88.3	67.6	56.9	49.6	44.8	42.8	41.5	40.3
85°	239.6	193.0	115.8	78.2	62.3	53.0	46.4	41.7	40.1	38.4	37.2
87.5°	185.6	151.9	97.1	68.8	56.4	48.7	42.8	38.5	36.7	34.8	33.9
90°	143.4	119.5	80.4	59.9	51.1	44.6	39.3	35.3	33.1	31.4	30.5
92.5°	110.5	94.2	66.7	52.6	45.5	40.3	35.8	32.1	29.7	27.6	26.9
95°	85.6	74.6	55.3	45.5	40.6	36.2	32.3	28.7	26.1	24.0	23.3
97.5°	66.7	59.0	46.1	39.3	35.8	32.1	28.7	25.6	23.0	20.4	19.9
100°	51.6	46.7	38.5	34.0	31.4	28.2	25.4	22.7	19.7	17.2	17.0
102.5°	40.6	37.4	32.3	29.6	27.4	25.0	22.5	19.9	16.8	14.5	14.2
105°	32.1	30.3	27.0	25.2	23.7	21.7	19.9	17.2	14.0	11.9	11.9
107.5°	25.6	24.4	22.7	21.6	20.7	19.0	17.2	14.6	11.5	9.8	10.2



REPORT NUMBER: P266003

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.9	20.1	19.1	18.8	18.0	16.6	14.8	12.4	9.6	8.2	8.4
112.5°	17.0	16.8	16.3	16.1	15.6	14.5	12.8	10.3	7.6	6.9	6.9
115°	14.2	14.0	14.0	13.7	13.5	12.4	10.8	8.7	6.3	5.7	5.7
117.5°	11.9	11.9	11.8	11.8	11.5	10.6	9.2	7.1	5.0	4.9	4.9
120°	10.2	10.2	10.2	10.2	9.8	8.9	7.6	5.7	4.1	4.1	4.1
122.5°	8.7	8.9	8.7	8.7	8.4	7.6	6.3	4.5	3.4	3.4	3.7
125°	7.5	7.5	7.5	7.1	6.9	6.3	5.0	3.7	2.9	2.9	2.9
127.5°	6.5	6.5	6.5	6.3	5.7	5.3	4.1	2.9	2.3	2.3	2.3
130°	5.7	5.5	5.5	5.3	4.9	4.1	3.1	2.2	1.9	1.9	1.9
132.5°	4.9	4.9	4.5	4.3	3.9	3.1	2.3	1.4	1.4	1.6	1.6
135°	4.1	4.1	3.9	3.4	2.9	2.3	1.6	1.2	1.2	1.2	1.2
137.5°	3.4	3.4	3.1	2.6	2.2	1.4	1.0	0.7	0.7	1.0	1.0
140°	2.6	2.6	2.3	1.9	1.4	1.0	0.4	0.2	0.4	0.4	0.4
142.5°	1.9	1.9	1.6	1.2	0.7	0.4	0.0	0.2	0.2	0.2	0.2
145°	1.4	1.4	1.2	1.0	0.4	0.2	0.0	0.0	0.2	0.0	0.0
147.5°	1.2	1.2	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	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)