



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: P254857

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-FL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254857  
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-AF24-90-D-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA 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: 8311.5 lumens  
Efficiency: N/A  
Efficacy: 88.4 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: B2 - U3 - G4

Input Watts (W): 94  
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



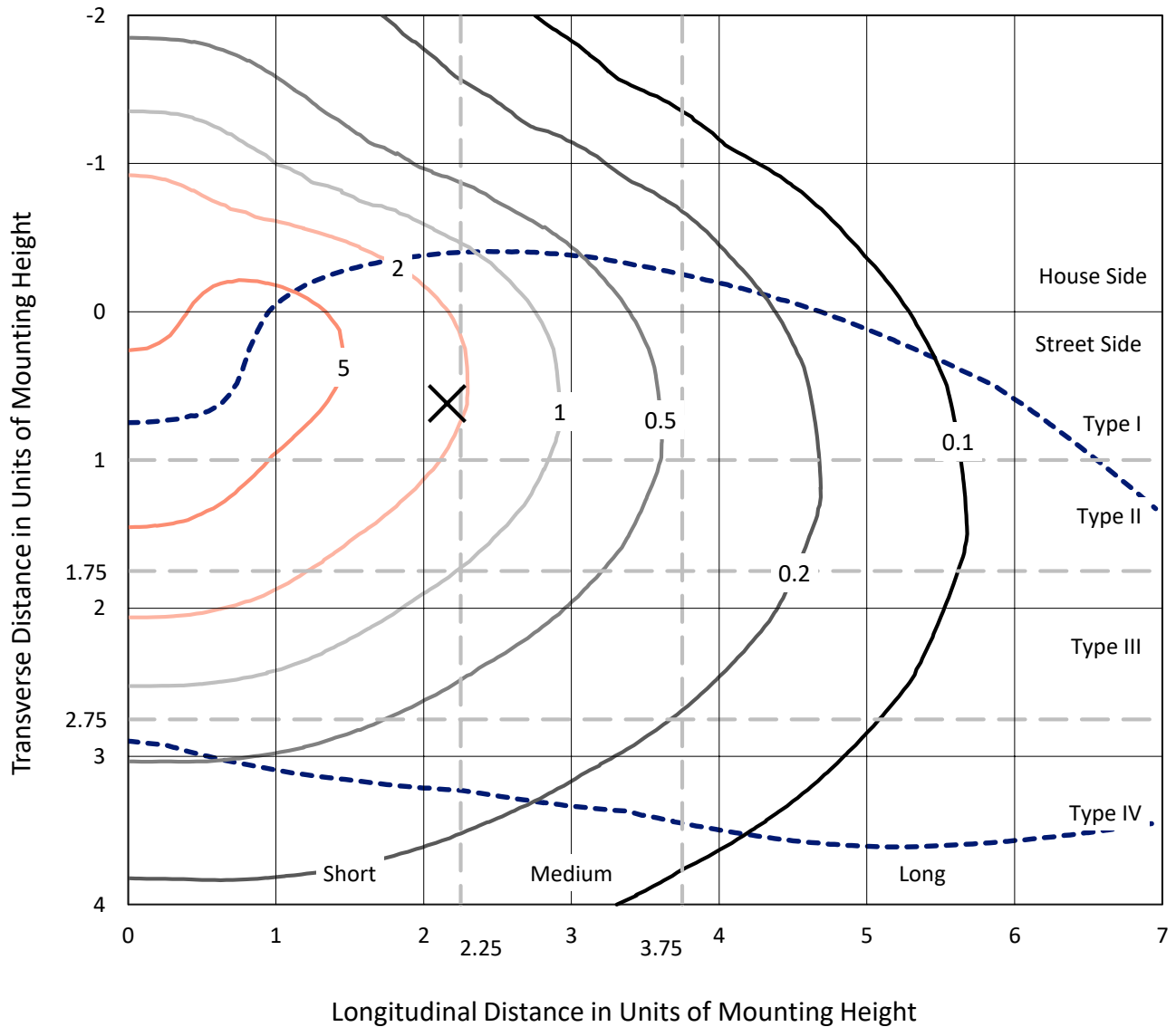
REPORT NUMBER: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



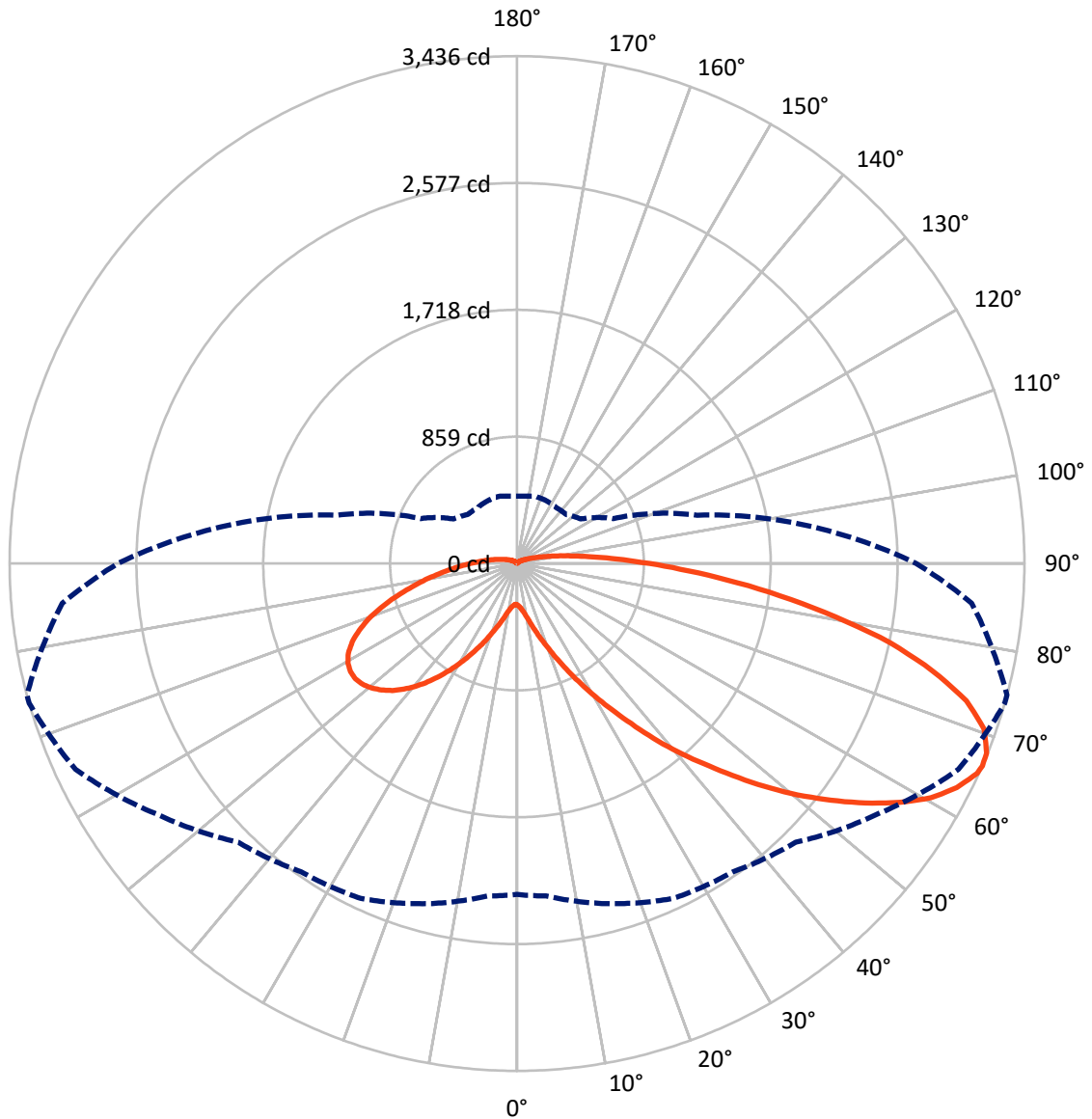
Based on 10 foot mounting height. Maximum calculated value = 8.8 fc

Type IV - Short - Non-Cutoff

REPORT NUMBER: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

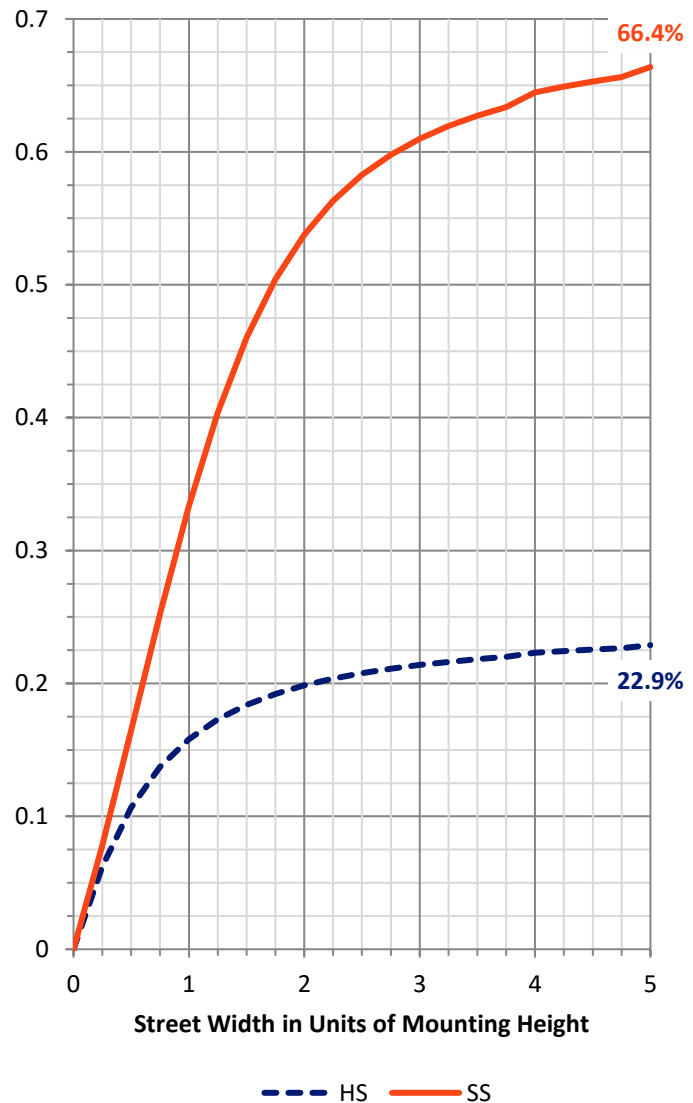
**FLUX DISTRIBUTION:**

		<b>Downward</b>	<b>Upward</b>	<b>Total</b>
<b>House Side</b>	Lumens	1999.1	206.7	2205.8
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	5751.3	354.4	6105.7
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	7750.4	561.1	8311.5
	% Fixture	93.2	6.8	100.0

**ZONAL LUMENS:**

<b>Zone</b>	<b>Lumens</b>	<b>% Fixture</b>
0°-10°	29.7	0.4
10°-20°	125.8	1.5
20°-30°	322.8	3.9
30°-40°	653.8	7.9
40°-50°	1106.9	13.3
50°-60°	1569.5	18.9
60°-70°	1772.1	21.3
70°-80°	1417.0	17.0
80°-90°	752.8	9.1
90°-100°	317.4	3.8
100°-110°	135.0	1.6
110°-120°	62.3	0.7
120°-130°	29.7	0.4
130°-140°	12.9	0.2
140°-150°	3.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7750.4	93.2
0°-180°	8311.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P254857

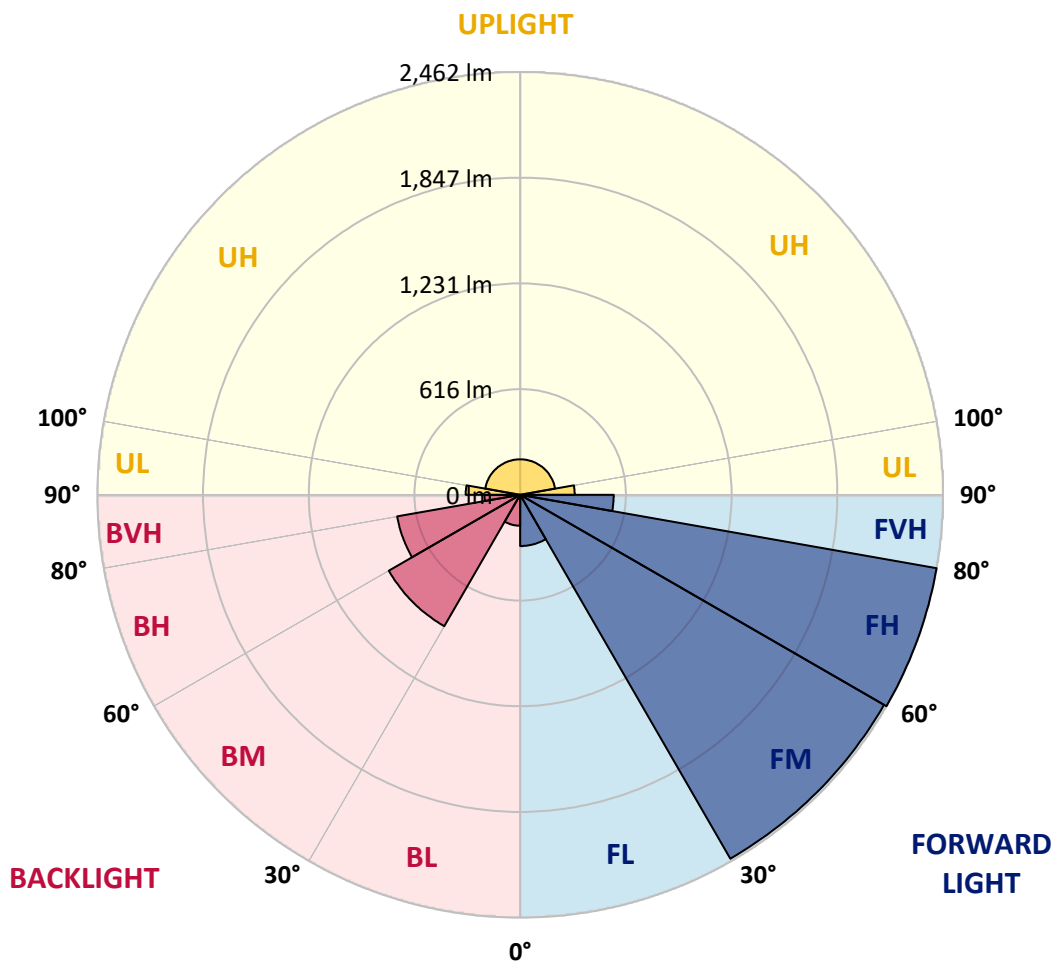
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.2	3.6			
FM	(30°-60°)	2446.4	29.4			
FH	(60°-80°)	2462.1	29.6			G2/5000
FVH	(80°-90°)	544.6	6.6			G4/750
BL	(0°-30°)	180.2	2.2	B1/500		
BM	(30°-60°)	883.7	10.6	B1/1000		
BH	(60°-80°)	727.0	8.7	B2/1000		G2/1000
BVH	(80°-90°)	208.1	2.5			G2/225
UL	(90°-100°)	317.4	3.8		U3/500	
UH	(100°-180°)	206.7	2.5		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Short





REPORT NUMBER: P254857  
 CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	306.1	308.1	306.1	305.1	303.1	302.1	298.0	293.0	289.9	289.0	284.9
5°	337.5	340.4	338.4	335.4	332.4	328.4	322.2	314.1	308.1	307.1	299.0
7.5°	375.8	379.8	376.9	372.8	367.8	361.7	352.6	342.5	333.4	331.3	321.3
10°	430.4	429.3	425.3	419.3	412.1	406.1	395.0	379.8	368.8	366.7	352.6
12.5°	492.0	492.0	485.9	476.8	466.8	457.7	446.5	429.3	417.3	414.2	397.0
15°	561.7	564.8	555.7	545.5	531.4	518.2	508.2	490.0	475.9	472.8	451.6
17.5°	643.5	644.6	634.4	621.3	605.2	593.0	577.9	558.6	542.5	539.5	513.2
20°	737.4	736.5	724.4	706.1	687.9	676.9	657.7	636.5	618.3	616.2	584.9
22.5°	844.5	836.5	827.4	804.1	789.0	767.8	747.6	723.3	706.1	703.2	669.8
25°	964.7	953.7	944.6	914.3	892.0	866.8	845.6	824.4	810.2	804.1	764.8
27.5°	1100.2	1093.1	1074.9	1037.6	1003.2	971.9	955.7	935.5	920.3	917.3	876.9
30°	1251.7	1234.5	1215.4	1169.8	1123.4	1081.0	1064.8	1056.7	1045.7	1041.6	996.1
32.5°	1402.3	1401.2	1372.9	1315.3	1254.8	1207.3	1192.1	1188.1	1177.9	1179.0	1124.4
35°	1580.0	1579.0	1543.6	1472.9	1397.1	1338.6	1328.5	1333.5	1330.6	1329.5	1267.8
37.5°	1769.0	1764.9	1725.5	1639.7	1545.7	1479.0	1471.9	1489.1	1502.2	1493.2	1421.4
40°	1964.0	1966.9	1913.4	1812.4	1702.3	1626.5	1622.5	1661.9	1676.0	1666.9	1582.1
42.5°	2152.9	2150.9	2100.3	1996.3	1860.8	1780.0	1783.1	1834.7	1851.8	1847.8	1753.8
45°	2335.7	2333.7	2288.2	2167.0	2023.5	1935.6	1950.8	2013.5	2046.8	2046.8	1934.6
47.5°	2496.3	2494.4	2454.9	2331.7	2180.1	2091.2	2115.5	2200.4	2255.9	2248.9	2116.5
50°	2627.7	2624.7	2597.4	2484.2	2328.6	2243.7	2285.2	2395.3	2463.0	2447.8	2302.4
52.5°	2711.5	2715.5	2702.4	2607.5	2462.0	2385.2	2448.8	2587.2	2662.0	2656.0	2491.3
55°	2751.9	2754.0	2770.2	2696.4	2569.0	2510.5	2604.4	2772.1	2864.1	2856.0	2673.2
57.5°	2732.7	2738.8	2782.2	2743.9	2642.8	2613.5	2743.9	2942.9	3053.0	3054.0	2833.8
60°	2651.9	2668.1	2734.8	2743.9	2679.2	2680.2	2859.0	3094.4	3220.7	3213.6	2967.2
62.5°	2516.6	2536.7	2633.7	2683.2	2661.0	2710.5	2934.8	3212.6	3342.0	3347.0	3063.1
65°	2329.7	2348.8	2466.0	2565.0	2591.3	2693.3	2968.1	3287.4	3424.7	3423.7	3096.5
66°	2240.8	2259.9	2385.2	2502.4	2548.9	2669.1	2966.1	3298.5	3435.9	3434.9	3091.4
67.5°	2094.3	2115.5	2245.8	2388.3	2465.0	2615.6	2942.9	3292.5	3429.9	3427.8	3058.0
70°	1823.5	1847.8	1993.2	2150.9	2279.1	2477.2	2849.9	3223.7	3355.1	3344.9	2934.8
72.5°	1540.7	1565.9	1711.4	1879.1	2059.9	2294.3	2683.2	3065.2	3183.3	3170.2	2728.7
75°	1263.9	1288.1	1431.5	1602.2	1798.2	2053.9	2448.8	2814.5	2908.6	2907.5	2450.9
77.5°	1011.3	1032.5	1160.7	1330.6	1528.5	1787.1	2161.0	2511.5	2588.3	2568.1	2120.6
80°	793.1	813.2	923.4	1075.9	1268.9	1510.3	1845.7	2144.8	2186.1	2174.1	1772.0
82.5°	615.2	633.4	729.4	861.7	1035.5	1247.7	1514.4	1775.0	1794.3	1781.1	1434.6
85°	475.9	492.0	573.9	687.9	835.4	1011.3	1224.5	1409.3	1427.5	1418.4	1133.5
87.5°	368.8	379.8	448.6	544.5	668.8	811.2	970.9	1113.3	1106.2	1097.1	876.9
90°	284.9	296.0	352.6	432.4	534.4	645.6	762.7	858.8	845.6	835.4	672.8
92.5°	221.3	229.3	278.9	345.6	428.3	513.2	596.1	657.7	640.5	633.4	513.2
95°	174.8	180.9	220.2	281.8	345.6	410.2	466.8	510.1	484.9	478.8	391.0
97.5°	140.5	144.4	177.8	227.3	280.9	330.3	368.8	386.9	367.8	362.6	298.0
100°	115.2	117.2	145.5	184.8	228.3	268.7	293.0	301.1	280.9	276.8	227.3
102.5°	94.9	97.0	120.2	155.6	190.0	218.2	233.3	238.4	213.2	210.1	175.7
105°	79.8	80.8	100.0	131.3	159.6	179.8	190.0	184.8	164.7	161.6	137.4
107.5°	68.7	69.7	83.9	112.1	135.3	150.6	156.6	149.6	128.3	125.3	108.1



REPORT NUMBER: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	59.6	59.6	71.7	94.9	115.2	128.3	130.3	119.2	101.1	99.0	86.8
112.5°	52.6	52.6	62.6	81.8	99.0	109.1	109.1	97.0	79.8	78.8	70.7
115°	47.5	47.5	54.5	70.7	85.8	93.9	92.0	78.8	64.7	63.6	58.6
117.5°	42.5	42.5	47.5	60.7	73.8	80.8	77.7	64.7	52.6	51.6	49.5
120°	38.4	38.4	42.5	51.6	63.6	68.7	65.7	53.5	43.5	42.5	41.4
122.5°	35.4	35.4	37.3	45.4	54.5	58.6	55.5	44.5	36.4	36.4	35.4
125°	32.3	32.3	34.4	39.4	46.4	50.5	46.4	36.4	30.3	30.3	31.3
127.5°	30.3	30.3	31.3	34.4	40.4	42.5	38.4	30.3	26.3	26.3	27.3
130°	27.3	27.3	28.3	30.3	33.3	35.4	31.3	25.3	23.2	22.2	23.2
132.5°	25.3	25.3	25.3	26.3	27.3	28.3	25.3	20.3	19.2	19.2	20.3
135°	22.2	23.2	22.2	22.2	22.2	22.2	19.2	16.2	16.2	16.2	17.2
137.5°	20.3	20.3	19.2	18.2	18.2	17.2	15.1	13.1	13.1	13.1	14.1
140°	17.2	17.2	17.2	15.1	13.1	12.2	10.1	10.1	11.2	11.2	12.2
142.5°	14.1	14.1	13.1	12.2	9.1	8.1	7.1	7.1	8.1	8.1	9.1
145°	11.2	11.2	10.1	8.1	6.0	4.1	4.1	4.1	5.0	5.0	6.0
147.5°	8.1	8.1	7.1	5.0	3.1	2.0	2.0	3.1	4.1	4.1	5.0
150°	5.0	5.0	4.1	3.1	1.0	0.0	1.0	2.0	3.1	3.1	4.1
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	282.8	280.9	276.8	273.7	269.8	267.7	266.7	264.6	263.7	262.7	262.7
5°	295.0	290.9	283.9	276.8	270.8	264.6	261.7	258.6	255.6	253.6	253.6
7.5°	315.2	309.1	298.0	286.9	276.8	268.7	262.7	258.6	254.6	252.6	251.5
10°	343.5	335.4	320.3	305.1	290.9	278.9	270.8	265.7	261.7	258.6	257.6
12.5°	387.9	375.8	353.6	331.3	309.1	296.0	284.9	281.8	279.9	277.8	279.9
15°	439.5	424.3	397.0	367.8	340.4	319.3	310.2	308.1	306.1	305.1	305.1
17.5°	497.1	480.9	444.5	406.1	372.8	351.6	338.4	334.4	331.3	330.3	329.4
20°	566.7	545.5	499.1	449.6	410.2	386.9	368.8	361.7	358.6	358.6	358.6
22.5°	647.5	619.3	561.7	497.1	451.6	419.3	400.1	388.9	386.9	387.9	386.9
25°	738.5	704.2	630.4	550.6	491.0	450.6	426.4	416.2	413.2	415.2	415.2
27.5°	841.6	802.1	704.2	607.1	528.4	477.8	450.6	441.5	438.4	441.5	441.5
30°	949.6	905.2	780.9	660.7	560.7	500.1	469.7	462.7	459.7	462.7	463.7
32.5°	1078.9	1012.3	861.7	712.3	591.0	518.2	485.9	479.9	476.8	480.9	480.9
35°	1212.3	1130.5	942.5	759.7	615.2	531.4	497.1	492.0	490.0	494.0	494.0
37.5°	1347.6	1258.7	1025.4	802.1	633.4	540.5	505.1	501.0	500.1	500.1	501.0
40°	1496.2	1385.1	1104.2	836.5	646.6	545.5	510.1	505.1	504.1	503.1	503.1
42.5°	1649.7	1507.3	1175.0	862.8	652.6	546.6	510.1	507.2	506.2	502.1	501.0
45°	1807.3	1637.6	1241.6	881.0	654.7	544.5	509.1	506.2	505.1	498.1	497.1
47.5°	1968.0	1762.9	1296.2	889.0	649.6	540.5	506.2	503.1	501.0	490.0	490.0
50°	2126.6	1886.1	1342.6	890.1	641.5	533.4	502.1	501.0	497.1	484.0	481.9
52.5°	2282.2	2002.3	1377.0	883.0	628.4	526.3	498.1	498.1	493.0	478.8	476.8
55°	2428.7	2106.4	1397.1	866.8	613.3	517.2	493.0	494.0	489.0	473.8	471.8
57.5°	2555.9	2192.3	1400.2	842.6	596.1	508.2	487.9	490.0	486.9	469.7	467.8
60°	2658.0	2246.8	1386.1	813.2	575.8	497.1	481.9	485.9	482.9	466.8	465.7
62.5°	2713.6	2268.0	1350.7	776.9	555.7	486.9	473.8	480.9	478.8	462.7	461.7
65°	2717.6	2241.8	1292.1	735.5	534.4	474.9	466.8	472.8	472.8	458.7	457.7
66°	2702.4	2215.5	1262.8	719.3	525.3	469.7	462.7	469.7	470.8	457.7	455.6
67.5°	2655.0	2161.0	1212.3	691.0	511.2	461.7	455.6	463.7	464.7	453.6	450.6
70°	2522.6	2027.6	1120.3	644.6	487.9	445.5	442.5	450.6	452.6	443.6	440.5
72.5°	2319.5	1852.8	1012.3	594.0	461.7	427.4	426.4	434.4	436.4	428.3	425.3
75°	2063.0	1623.5	893.0	544.5	433.4	407.1	406.1	412.1	415.2	409.2	404.1
77.5°	1770.0	1388.0	775.9	494.0	405.1	383.9	383.9	388.9	389.9	383.9	378.8
80°	1469.9	1155.7	669.8	443.6	375.8	357.6	357.6	359.7	360.7	354.6	348.5
82.5°	1188.1	942.5	567.7	395.0	342.5	328.4	327.3	327.3	326.3	321.3	314.1
85°	939.6	756.7	474.9	349.5	310.2	299.0	296.0	293.0	290.9	284.9	278.9
87.5°	734.5	602.1	400.1	307.1	277.8	268.7	264.6	260.6	255.6	248.5	240.4
90°	570.8	476.8	333.4	267.7	245.5	237.4	231.4	225.3	219.2	211.1	207.1
92.5°	442.5	376.9	278.9	230.4	215.2	209.1	203.1	195.0	186.9	178.8	174.8
95°	344.5	300.0	231.4	199.1	187.9	182.9	176.8	167.7	157.6	149.6	146.5
97.5°	268.7	238.4	192.9	171.8	164.7	158.7	152.5	143.4	132.4	123.3	121.2
100°	209.1	190.0	161.6	148.5	142.5	138.4	132.4	123.3	110.1	101.1	100.0
102.5°	165.7	152.5	135.3	128.3	124.3	120.2	114.2	105.1	92.0	81.8	81.8
105°	131.3	123.3	114.2	110.1	107.1	104.0	98.0	88.9	74.8	66.7	66.7
107.5°	106.1	100.0	96.0	93.9	93.0	89.9	84.9	74.8	61.6	54.5	54.5



REPORT NUMBER: P254857

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	85.8	82.9	80.8	80.8	79.8	78.8	72.7	62.6	50.5	44.5	45.4
112.5°	70.7	68.7	68.7	69.7	69.7	67.7	61.6	52.6	41.4	37.3	37.3
115°	58.6	57.6	58.6	59.6	60.7	58.6	52.6	43.5	33.3	31.3	31.3
117.5°	49.5	49.5	50.5	51.6	51.6	49.5	44.5	36.4	27.3	26.3	26.3
120°	42.5	42.5	42.5	43.5	44.5	42.5	37.3	29.3	22.2	22.2	22.2
122.5°	36.4	36.4	36.4	37.3	37.3	36.4	31.3	24.2	19.2	19.2	19.2
125°	31.3	31.3	31.3	32.3	32.3	30.3	25.3	20.3	16.2	16.2	16.2
127.5°	27.3	27.3	27.3	27.3	27.3	25.3	21.2	16.2	13.1	14.1	14.1
130°	24.2	24.2	23.2	23.2	22.2	21.2	17.2	13.1	11.2	12.2	12.2
132.5°	20.3	21.2	20.3	19.2	18.2	16.2	13.1	10.1	9.1	10.1	10.1
135°	17.2	18.2	17.2	15.1	14.1	13.1	10.1	8.1	8.1	8.1	8.1
137.5°	15.1	15.1	14.1	12.2	11.2	9.1	7.1	6.0	6.0	7.1	7.1
140°	12.2	12.2	11.2	9.1	8.1	6.0	4.1	4.1	5.0	5.0	5.0
142.5°	9.1	9.1	8.1	6.0	4.1	3.1	2.0	2.0	3.1	4.1	4.1
145°	6.0	6.0	6.0	4.1	3.1	1.0	0.0	1.0	2.0	2.0	2.0
147.5°	5.0	5.0	4.1	3.1	1.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	4.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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)