

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: P254587

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8575.4 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

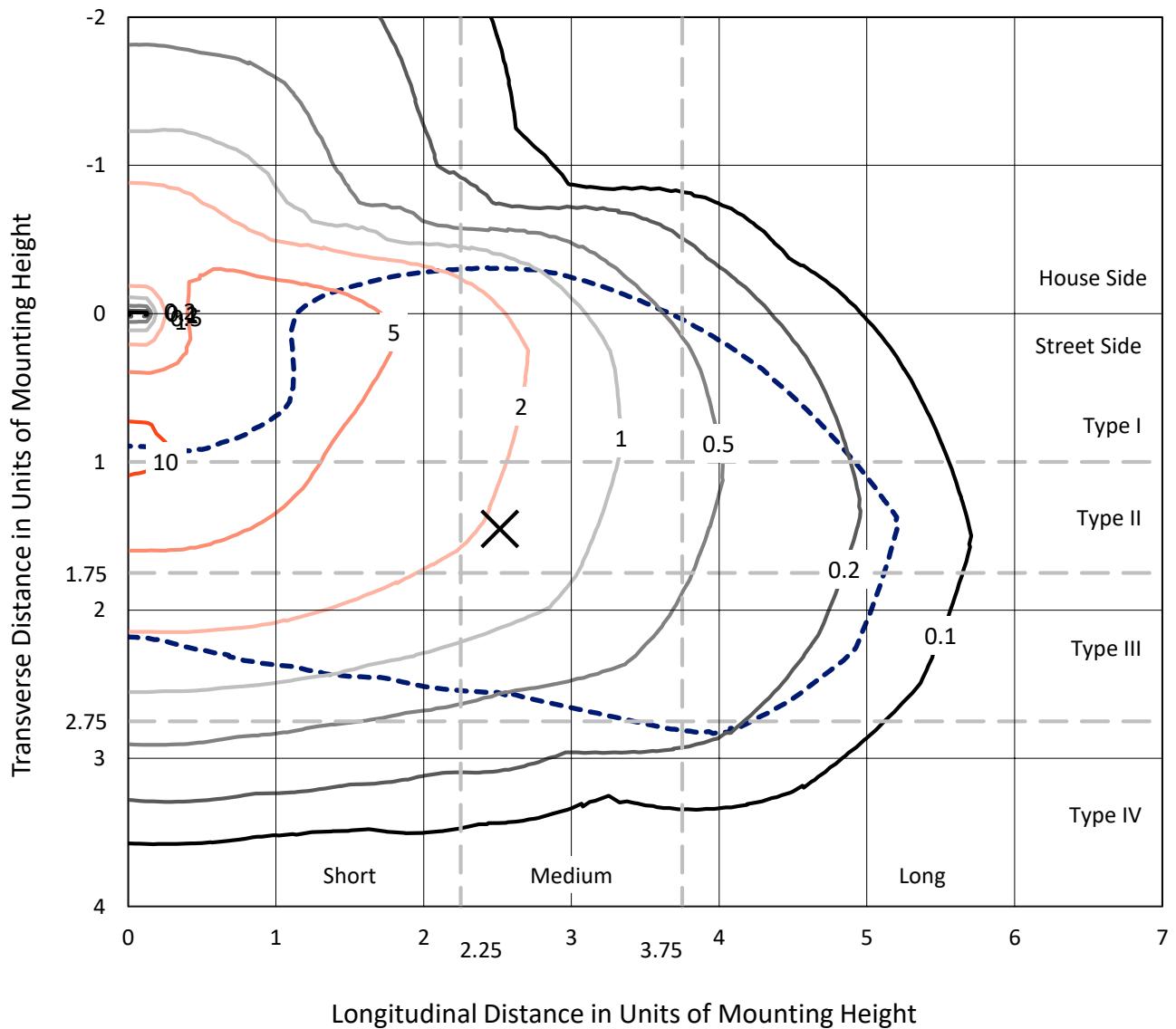


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

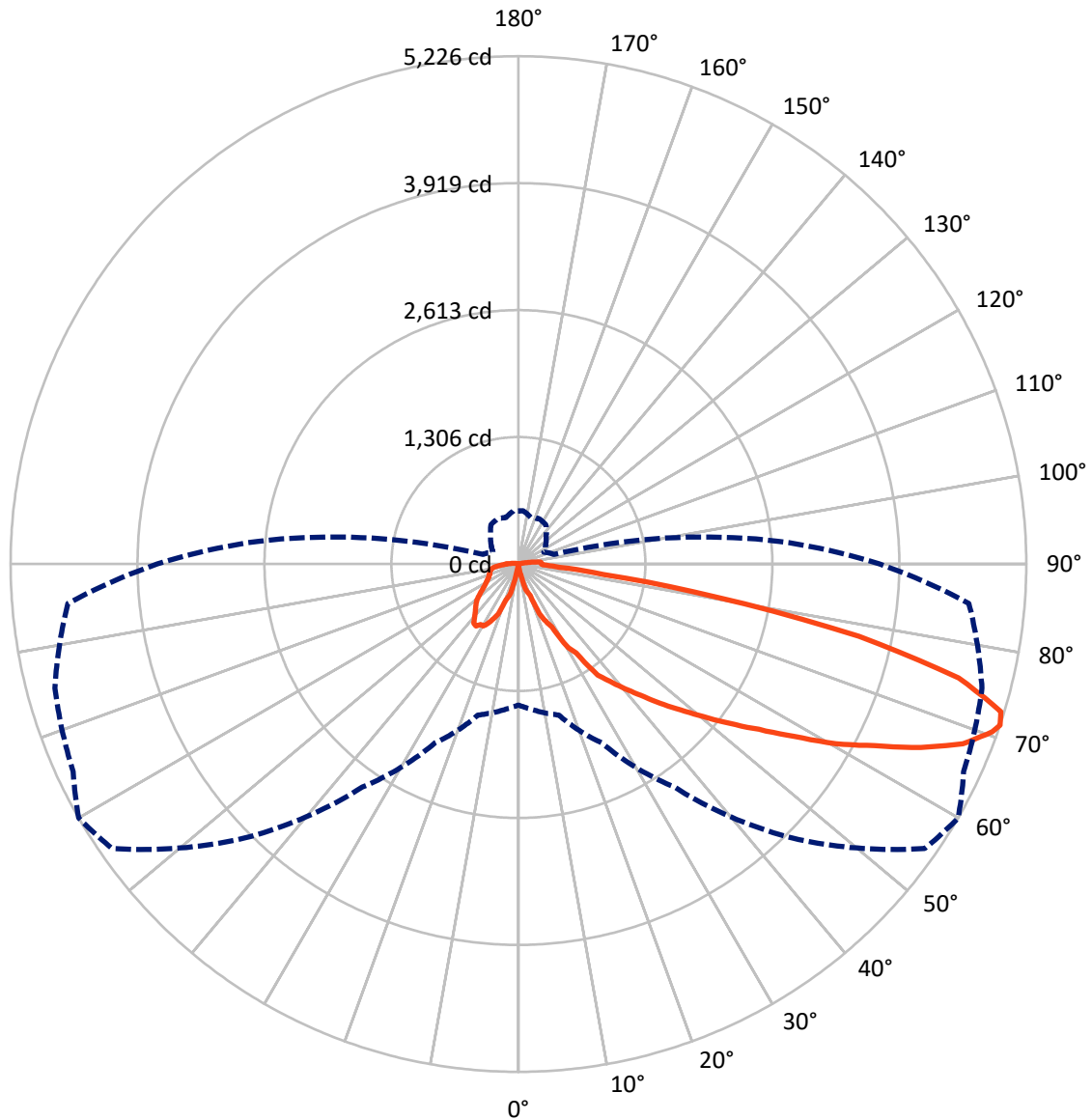


Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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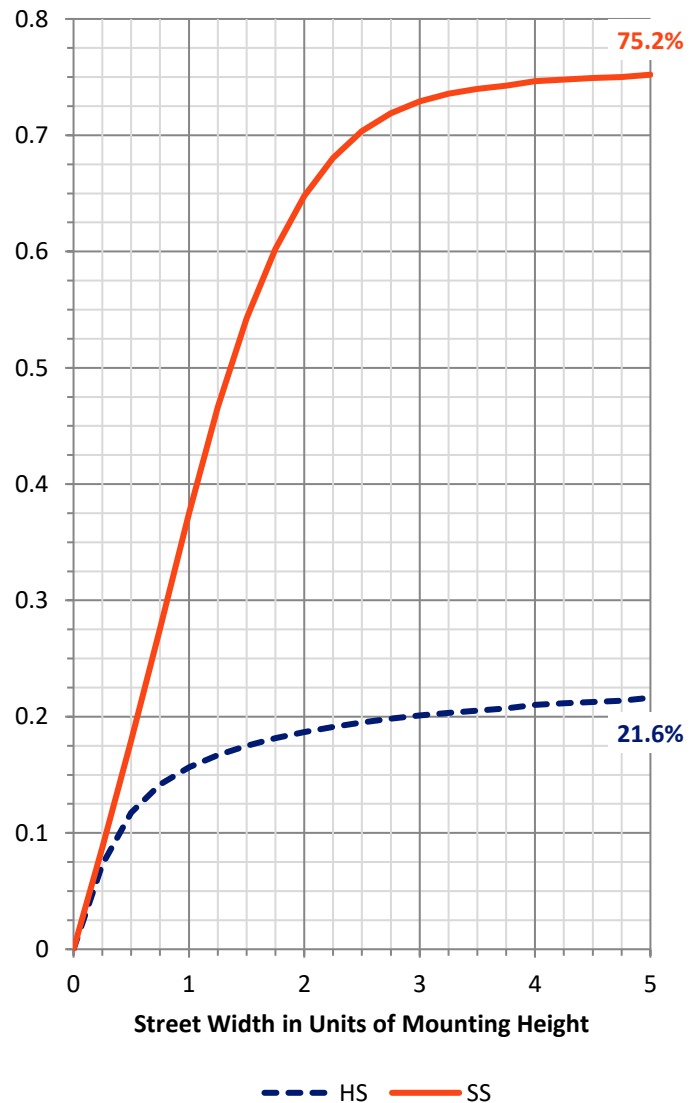
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1948.1	63.3	2011.3
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	6502.5	61.6	6564.1
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	8450.5	124.9	8575.4
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	77.1	0.9
20°-30°	316.2	3.7
30°-40°	711.0	8.3
40°-50°	1234.3	14.4
50°-60°	1870.2	21.8
60°-70°	2304.8	26.9
70°-80°	1570.8	18.3
80°-90°	361.5	4.2
90°-100°	110.4	1.3
100°-110°	10.3	0.1
110°-120°	1.7	0.0
120°-130°	1.1	0.0
130°-140°	0.5	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8450.5	98.5
0°-180°	8575.4	100.0



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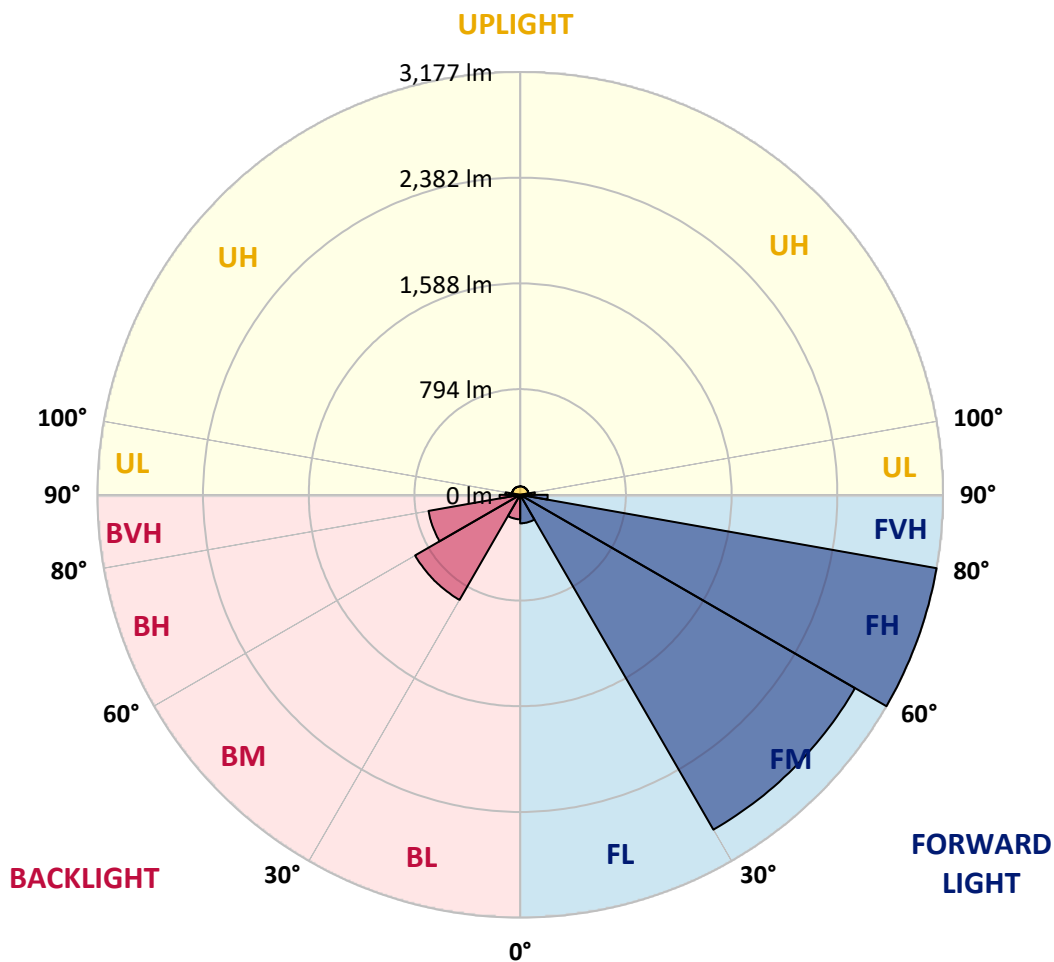
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.2	2.5			
FM	(30°-60°)	2904.5	33.9			
FH	(60°-80°)	3176.5	37.0			G2/5000
FVH	(80°-90°)	207.2	2.4			G2/225
BL	(0°-30°)	183.6	2.1	B1/500		
BM	(30°-60°)	911.0	10.6	B1/1000		
BH	(60°-80°)	699.2	8.2	B2/1000		G2/1000
BVH	(80°-90°)	154.2	1.8			G2/225
UL	(90°-100°)	110.4	1.3		U3/500	
UH	(100°-180°)	63.3	0.7		U3/500	

**BUG Rating: B2-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	5.0	6.0	4.1	5.0	5.0	4.1	3.1	3.1	4.1	4.1	3.1
5°	92.0	93.0	97.0	100.0	34.4	24.2	9.1	6.0	5.0	4.1	4.1
7.5°	116.2	114.2	112.1	106.1	109.1	102.0	60.7	25.3	12.2	5.0	4.1
10°	134.3	134.3	125.3	118.2	117.2	115.2	109.1	100.0	47.5	10.1	7.1
12.5°	245.5	238.4	227.3	186.9	142.4	128.3	125.3	128.3	105.1	104.0	139.4
15°	280.8	282.8	276.8	261.7	253.6	163.7	215.1	267.7	268.7	215.1	242.4
17.5°	364.7	362.6	331.3	302.1	294.0	313.1	314.1	301.1	302.1	268.7	285.9
20°	542.5	547.5	521.3	441.4	357.6	413.2	401.0	348.5	355.6	507.1	523.2
22.5°	636.4	646.5	615.2	581.9	576.8	458.6	518.2	553.6	537.5	598.0	602.1
25°	944.5	917.3	799.0	683.9	699.1	611.2	670.7	652.5	624.3	668.7	773.8
27.5°	1028.4	1035.4	1005.2	946.5	802.1	834.4	760.7	730.4	841.5	938.5	966.8
30°	1219.3	1219.3	1111.2	1088.9	1025.3	932.4	995.0	985.9	1005.2	1020.3	1072.8
32.5°	1480.9	1463.7	1415.3	1247.6	1177.9	1066.7	1147.5	1092.0	1125.3	1332.4	1420.4
35°	1750.7	1749.7	1583.9	1460.8	1318.3	1301.1	1262.7	1406.1	1445.5	1454.6	1541.6
37.5°	2094.1	2097.2	2007.2	1645.6	1499.1	1420.4	1521.3	1530.4	1576.9	1656.7	1684.0
40°	2364.9	2348.7	2233.5	1963.8	1725.4	1613.3	1701.2	1686.0	1765.8	1829.4	1868.8
42.5°	2703.2	2693.1	2534.6	2222.4	2038.5	1859.7	1884.0	1844.6	1902.2	2060.7	2076.9
45°	3021.5	3002.3	2855.8	2522.4	2329.5	2132.5	2080.0	2043.7	2056.7	2236.6	2298.2
47.5°	3234.6	3212.4	3156.8	2829.5	2678.0	2420.4	2312.3	2239.5	2255.7	2456.8	2558.8
50°	3501.4	3427.6	3378.1	3085.1	2977.0	2768.9	2539.6	2468.9	2505.3	2689.1	2847.7
52.5°	3643.8	3543.7	3544.7	3335.6	3233.6	3086.1	2793.2	2724.4	2772.9	2948.8	3179.0
55°	3536.6	3526.5	3614.5	3495.2	3437.6	3310.4	3066.9	3004.3	3084.1	3289.2	3543.7
57.5°	3384.1	3399.3	3580.1	3636.7	3636.7	3534.6	3371.0	3344.7	3430.6	3638.7	3894.3
60°	3209.4	3246.7	3478.0	3640.7	3760.9	3754.8	3699.3	3753.8	3779.1	3977.1	4321.6
62.5°	2952.7	2969.9	3240.7	3570.0	3767.0	3959.9	4044.7	4114.5	4210.5	4373.1	4687.3
65°	2658.9	2680.0	2950.8	3380.0	3733.7	4094.3	4383.2	4551.9	4581.2	4711.5	4950.9
67.5°	2279.0	2302.3	2538.6	3023.5	3602.3	4203.4	4727.7	4933.8	4884.3	4866.1	5013.6
70°	1765.8	1764.8	1931.4	2376.9	3122.5	4161.0	5031.7	5172.1	5043.9	4943.8	4839.8
71°	1450.6	1500.2	1609.2	2030.5	2802.3	3988.2	5104.4	5225.7	5055.0	4937.8	4652.9
72.5°	924.3	981.9	1074.8	1448.6	2236.6	3541.8	5040.8	5190.4	5018.6	4864.0	4277.2
75°	364.7	377.8	446.5	670.7	1213.2	2385.0	4450.9	4678.2	4610.5	4471.1	3428.6
77.5°	220.2	227.3	253.6	335.4	556.6	1103.2	3250.7	3581.1	3700.3	3635.7	2359.8
80°	165.7	172.8	196.0	236.4	371.7	458.6	1717.3	2057.8	2351.8	2348.7	1324.3
82.5°	126.2	130.3	152.5	166.6	276.8	317.2	647.5	875.9	1139.5	1139.5	656.6
85°	117.2	117.2	124.3	112.1	183.8	227.3	384.8	421.3	445.5	472.8	382.9
87.5°	46.4	45.4	59.6	57.6	80.8	149.6	243.5	254.6	238.4	288.9	330.3
90°	31.3	32.3	25.3	25.3	44.5	137.4	222.3	233.3	219.2	260.6	339.4
92.5°	30.3	31.3	23.2	23.2	33.3	114.2	232.3	236.4	225.3	268.7	345.5
95°	27.3	28.3	19.2	19.2	26.3	69.7	216.1	222.3	192.9	217.2	276.8
97.5°	21.2	22.2	13.1	14.1	20.3	26.3	129.3	138.4	108.1	102.0	120.2
100°	14.1	15.1	8.1	10.1	12.2	12.2	49.5	53.5	48.5	26.3	15.1
102.5°	13.1	14.1	6.0	6.0	6.0	4.1	10.1	16.2	9.1	11.2	13.1
105°	12.2	14.1	4.1	3.1	2.0	2.0	3.1	4.1	5.0	7.1	14.1
107.5°	8.1	9.1	2.0	2.0	1.0	2.0	2.0	2.0	3.1	5.0	13.1



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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.1	4.1	1.0	1.0	0.0	1.0	1.0	2.0	3.1	4.1	6.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1	5.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.1	5.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.1	5.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.1	5.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	5.0
125°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	5.0
127.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
140°	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
142.5°	2.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0
145°	2.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	2.0	2.0
147.5°	3.1	3.1	1.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0	3.1
150°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.1	3.1	3.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	3.1	3.1	3.1	3.1	3.1	2.0	4.1	6.0	7.1	8.1	8.1
7.5°	4.1	4.1	4.1	4.1	4.1	8.1	50.5	112.1	128.3	137.4	134.3
10°	7.1	7.1	6.0	7.1	25.3	125.3	152.5	163.7	165.7	172.8	178.8
12.5°	149.6	128.3	60.7	34.4	129.3	162.6	175.7	184.8	195.0	242.4	217.2
15°	247.5	252.6	247.5	272.7	305.0	183.8	218.2	333.4	361.6	369.7	367.8
17.5°	293.0	286.9	286.9	349.5	361.6	359.7	347.5	371.7	378.8	391.0	386.9
20°	545.5	547.5	514.1	406.1	385.9	483.9	388.9	387.9	462.7	531.3	533.4
22.5°	608.1	613.2	597.0	602.1	505.1	500.0	487.9	512.2	541.4	554.5	550.6
25°	825.3	768.7	665.7	620.2	612.1	511.2	575.8	528.4	532.3	539.4	544.5
27.5°	1000.0	993.0	926.4	756.7	612.1	620.2	554.5	545.5	606.1	612.1	613.2
30°	1082.9	1064.7	990.0	796.1	671.8	594.0	540.4	582.9	573.8	579.8	579.8
32.5°	1443.6	1435.5	1270.8	817.2	650.6	549.5	553.6	552.6	605.1	622.3	618.3
35°	1540.6	1525.4	1282.0	928.3	617.2	554.5	521.3	560.7	560.7	567.7	565.7
37.5°	1660.8	1635.5	1300.1	888.9	637.4	521.3	510.1	521.3	549.5	557.6	552.6
40°	1826.4	1768.9	1284.9	823.3	595.1	516.2	490.9	511.2	509.1	499.0	494.0
42.5°	1999.2	1930.5	1286.0	762.7	561.7	509.1	484.9	480.9	474.8	458.6	455.6
45°	2223.4	2088.0	1301.1	720.3	533.4	505.1	478.8	460.6	451.5	435.4	432.4
47.5°	2479.0	2256.7	1296.1	685.9	505.1	493.0	460.6	443.4	438.4	416.2	413.2
50°	2736.6	2420.4	1300.1	639.4	472.8	479.9	455.6	431.4	422.3	397.0	396.0
52.5°	3037.7	2591.1	1273.9	572.8	435.4	462.7	458.6	434.3	434.3	397.0	393.9
55°	3335.6	2800.2	1251.6	502.1	410.1	448.6	464.7	455.6	453.6	402.0	399.1
57.5°	3629.6	2980.1	1179.9	440.5	393.9	436.4	478.8	469.7	463.7	422.3	413.2
60°	3946.7	3215.4	1044.5	392.0	384.8	426.3	482.8	481.8	447.5	443.4	438.4
62.5°	4185.2	3351.8	869.8	359.7	371.7	423.3	480.9	480.9	451.5	450.5	448.6
65°	4298.3	3369.0	657.7	334.4	358.6	418.2	473.7	493.0	469.7	472.8	468.7
67.5°	4240.7	3238.7	495.0	312.1	346.5	414.2	474.8	507.1	485.9	517.2	512.2
70°	3936.7	2903.2	407.1	297.0	342.5	407.1	489.0	511.2	497.1	547.5	541.4
71°	3715.5	2687.1	379.8	287.9	342.5	403.0	491.9	512.2	495.0	550.6	545.5
72.5°	3340.7	2306.2	350.6	274.8	340.4	401.0	491.9	511.2	501.0	563.6	554.5
75°	2517.4	1582.9	314.1	267.7	338.4	395.0	481.8	502.1	493.0	540.4	538.4
77.5°	1613.3	925.4	280.8	266.7	330.3	392.0	468.7	483.9	467.7	508.1	506.1
80°	887.9	531.3	249.5	249.5	314.1	384.8	448.6	451.5	435.4	466.7	453.6
82.5°	527.3	376.8	207.0	219.2	290.9	365.7	426.3	412.1	395.0	452.6	384.8
85°	355.6	293.0	142.4	168.7	261.7	317.2	379.8	357.6	328.3	330.3	315.2
87.5°	295.0	233.3	74.8	110.1	203.1	232.3	281.8	259.6	229.3	225.3	212.2
90°	293.0	227.3	59.6	99.0	162.6	179.8	218.2	197.0	179.8	186.9	176.8
92.5°	295.0	225.3	61.6	84.9	133.4	135.3	178.8	170.7	155.6	158.6	148.5
95°	236.4	176.8	59.6	67.7	75.8	71.7	110.1	110.1	94.9	89.9	83.9
97.5°	99.0	87.9	55.5	54.5	53.5	39.4	63.6	72.7	49.5	33.3	29.3
100°	15.1	25.3	46.4	51.6	37.3	23.2	40.4	46.4	26.3	5.0	4.1
102.5°	15.1	13.1	19.2	38.4	22.2	6.0	16.2	26.3	13.1	3.1	4.1
105°	16.2	13.1	8.1	20.3	5.0	2.0	1.0	7.1	2.0	3.1	3.1
107.5°	15.1	12.2	5.0	4.1	3.1	1.0	0.0	0.0	0.0	3.1	4.1



REPORT NUMBER: P254587

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.1	7.1	5.0	3.1	2.0	1.0	0.0	0.0	0.0	3.1	4.1
112.5°	5.0	6.0	4.1	3.1	1.0	1.0	0.0	0.0	0.0	4.1	5.0
115°	6.0	6.0	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.0
117.5°	6.0	6.0	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.0
120°	6.0	6.0	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.0
122.5°	6.0	6.0	4.1	2.0	1.0	0.0	0.0	0.0	0.0	3.1	4.1
125°	5.0	5.0	4.1	2.0	0.0	0.0	0.0	0.0	0.0	3.1	4.1
127.5°	5.0	5.0	3.1	2.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1
130°	5.0	5.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
132.5°	4.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	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	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)