

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: P254642

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8619.4 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 96  
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

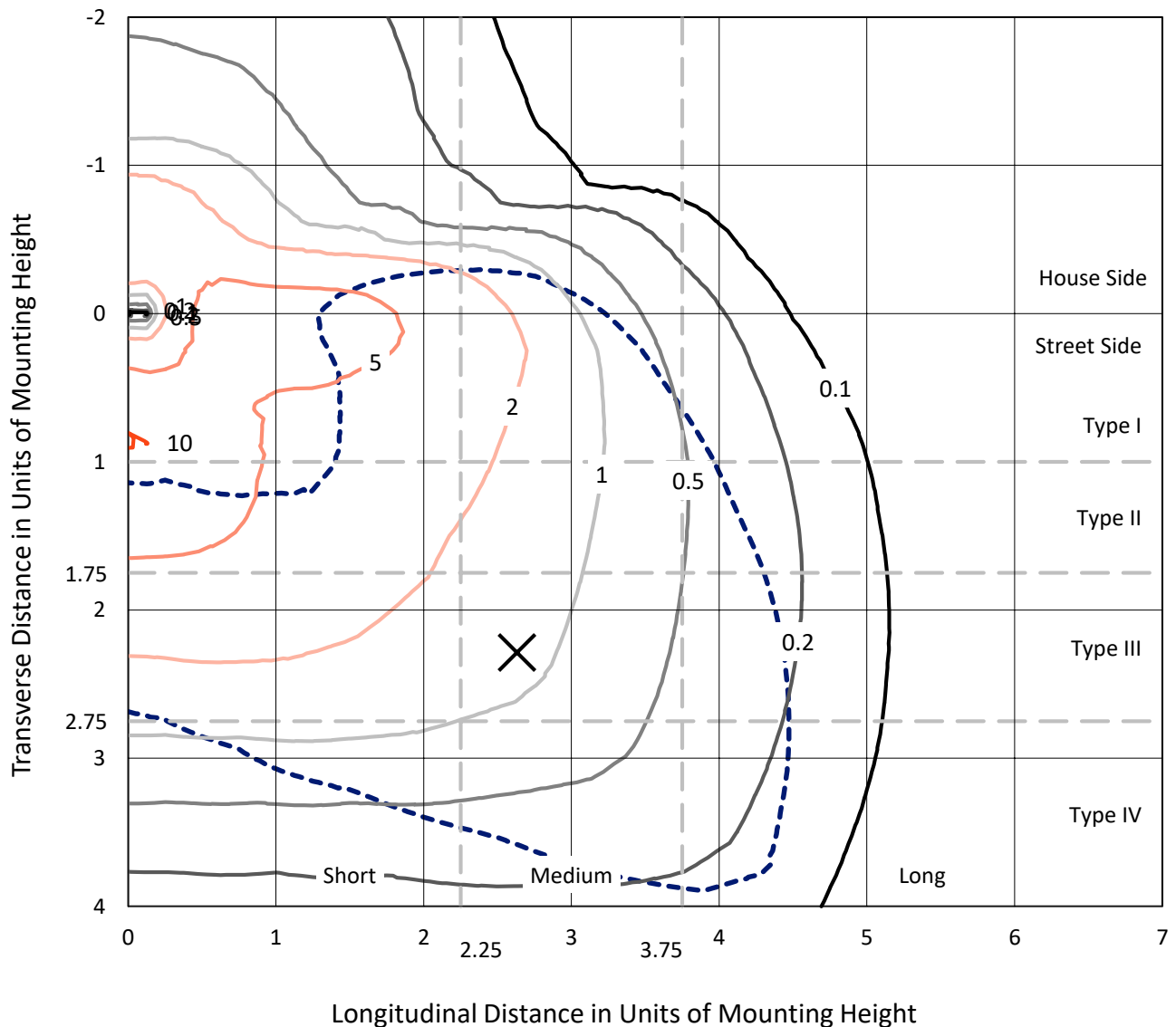


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### Iso-Footcandle Lines of Horizontal Illumination

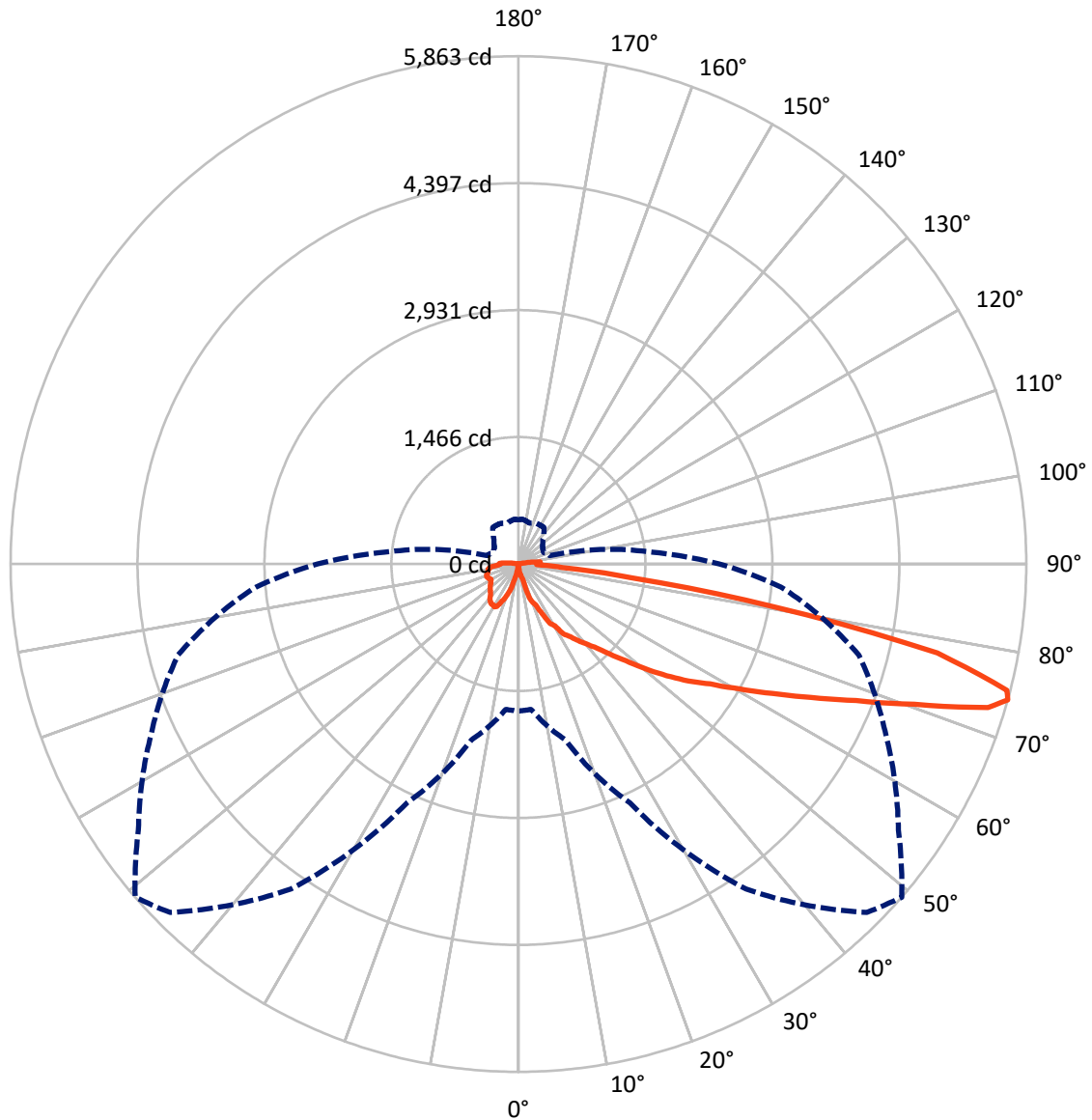
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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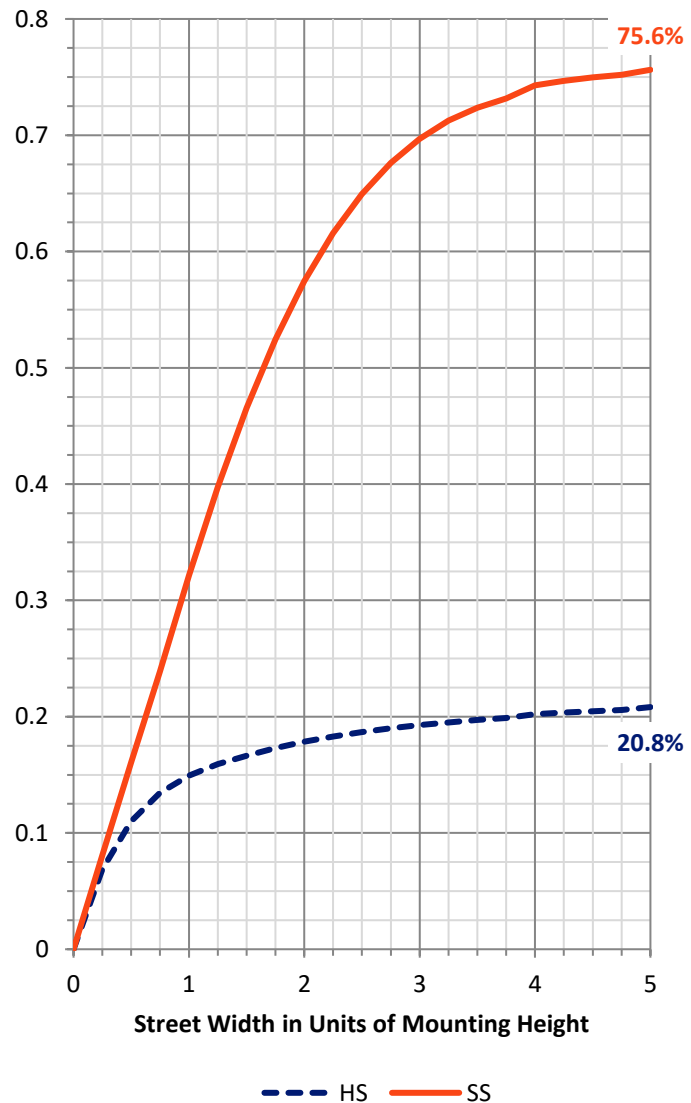
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1900.9	81.7	1982.6
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	6568.4	68.4	6636.8
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	8469.3	150.1	8619.4
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	77.5	0.9
20°-30°	294.2	3.4
30°-40°	625.2	7.3
40°-50°	1027.7	11.9
50°-60°	1657.4	19.2
60°-70°	2394.8	27.8
70°-80°	1966.1	22.8
80°-90°	421.7	4.9
90°-100°	135.8	1.6
100°-110°	10.7	0.1
110°-120°	1.5	0.0
120°-130°	1.1	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8469.3	98.3
0°-180°	8619.4	100.0

**Coefficient of Utilization**



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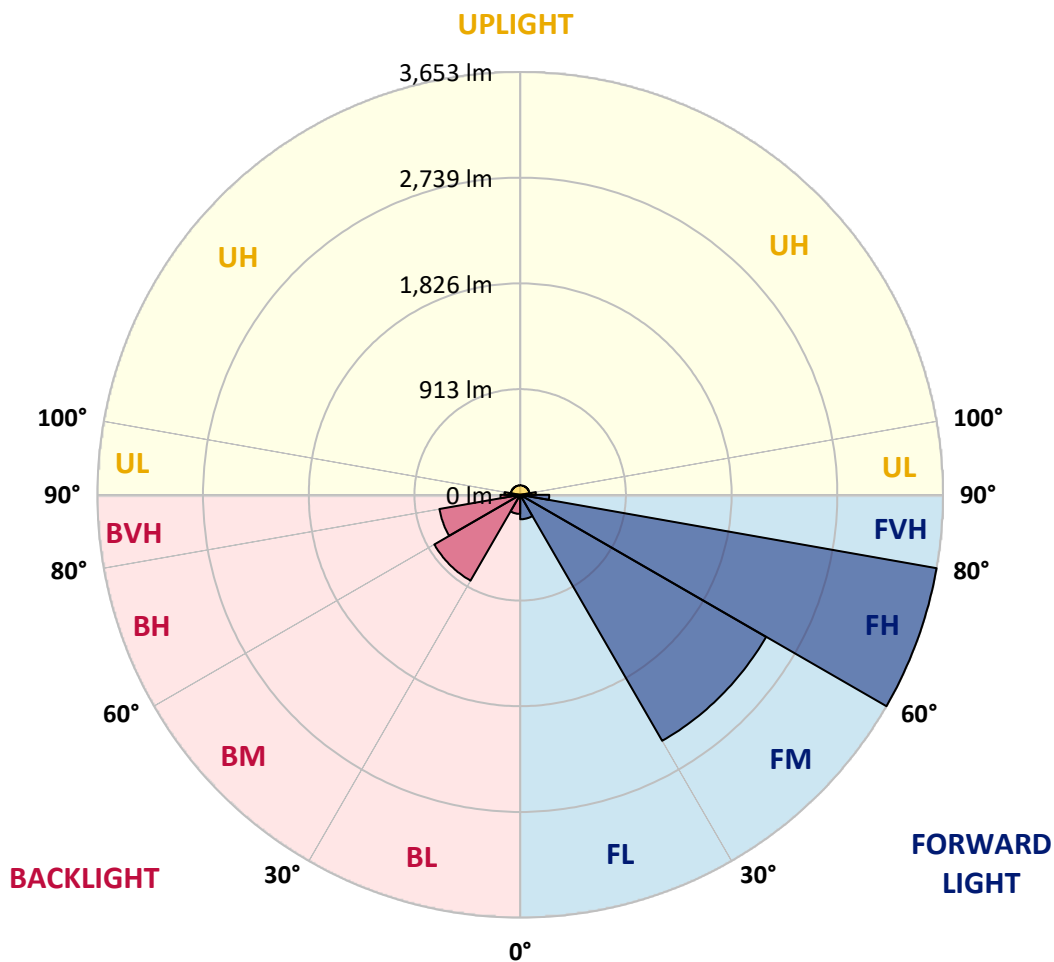
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.2	2.5			
FM (30°-60°)	2453.7	28.5			
FH (60°-80°)	3652.6	42.4			G2/5000
FVH (80°-90°)	251.0	2.9			G3/500
BL (0°-30°)	165.3	1.9	B1/500		
BM (30°-60°)	856.6	9.9	B1/1000		
BH (60°-80°)	708.3	8.2	B2/1000		G2/1000
BVH (80°-90°)	170.7	2.0			G2/225
UL (90°-100°)	135.8	1.6		U3/500	
UH (100°-180°)	81.7	0.9		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	7.2	6.1	5.1	4.1	4.1	3.1	3.1	3.1	4.1	4.1	4.1
5°	114.6	113.5	103.3	98.2	39.9	24.6	21.5	13.3	5.1	4.1	4.1
7.5°	136.1	134.0	130.9	137.1	127.9	111.5	102.3	59.3	16.4	5.1	4.1
10°	180.0	178.0	162.6	158.6	144.2	132.0	124.8	116.6	49.1	10.2	7.2
12.5°	340.6	329.4	320.2	271.1	183.1	148.3	147.3	138.1	115.6	104.3	126.8
15°	384.6	374.4	359.1	356.0	325.3	196.4	180.0	248.6	294.6	221.0	226.1
17.5°	435.8	440.9	420.4	377.5	350.9	375.4	413.3	365.2	323.3	269.0	273.1
20°	613.8	609.7	593.3	544.2	445.0	483.9	470.6	462.4	377.5	497.2	482.8
22.5°	637.3	636.3	628.1	598.4	639.3	515.6	511.5	569.8	561.6	571.8	551.4
25°	835.8	843.9	817.3	641.4	673.1	658.8	635.3	692.5	628.1	633.2	705.8
27.5°	875.6	871.6	857.2	821.4	712.0	780.5	774.4	734.5	815.3	859.3	864.4
30°	1101.7	1073.1	926.8	893.0	859.3	817.3	828.6	874.6	910.4	898.2	948.3
32.5°	1211.2	1204.0	1180.5	1047.5	929.9	905.3	964.6	981.0	960.6	1137.5	1224.5
35°	1576.4	1543.6	1355.4	1161.0	1036.2	1023.0	1029.1	1028.1	1168.2	1199.9	1319.6
37.5°	2033.6	1990.7	1842.3	1423.9	1131.4	1071.0	1122.2	1174.3	1222.4	1314.5	1406.6
40°	2301.6	2279.1	2160.5	1760.5	1319.6	1165.1	1215.3	1240.8	1304.3	1380.0	1534.4
42.5°	2507.3	2505.2	2430.5	1997.8	1576.4	1314.5	1323.7	1326.8	1373.8	1496.6	1679.7
45°	2647.4	2645.4	2658.6	2220.8	1821.9	1484.3	1485.3	1448.5	1482.3	1641.8	1881.2
47.5°	2821.3	2790.6	2821.3	2457.1	2034.6	1685.8	1667.4	1581.5	1652.1	1843.4	2161.5
50°	2995.2	2966.6	2978.8	2642.3	2245.4	1931.3	1898.6	1784.0	1881.2	2097.0	2508.3
52.5°	3222.3	3185.5	3130.2	2837.7	2530.8	2187.1	2141.0	2047.9	2138.0	2416.2	2946.1
55°	3389.0	3362.4	3344.0	3114.9	2732.3	2414.2	2382.5	2277.1	2520.6	2773.2	3413.6
57.5°	3519.0	3529.2	3585.4	3454.5	3110.8	2663.8	2612.6	2568.6	2881.7	3195.7	3914.8
60°	3656.0	3636.6	3774.7	3770.6	3431.0	2914.4	2924.6	2918.5	3249.9	3598.7	4496.9
62.5°	3647.8	3663.2	3911.8	3994.6	3706.2	3248.9	3288.8	3277.5	3627.4	3999.7	4928.6
65°	3317.4	3362.4	3903.6	4092.8	4046.8	3644.8	3711.3	3702.1	4064.2	4341.4	5201.7
67.5°	3100.6	3157.8	3668.3	4172.6	4370.0	4152.2	4205.4	4171.6	4376.2	4531.7	5202.7
70°	2873.5	2913.4	3367.6	4204.3	4718.9	4814.0	4847.8	4639.1	4636.0	4640.1	4776.2
72.5°	2338.5	2343.6	2754.8	3717.4	4870.3	5531.1	5667.1	5208.9	4771.0	4436.5	3837.1
74°	1697.1	1683.8	2103.2	3041.2	4579.8	5687.6	5862.5	5354.1	4681.0	4068.3	3041.2
75°	1224.5	1259.3	1570.2	2460.2	4132.7	5644.6	5823.7	5324.5	4494.8	3694.9	2473.5
77.5°	389.7	403.0	511.5	1036.2	2530.8	4625.8	4942.9	4474.4	3422.8	2334.4	1278.7
80°	208.7	217.9	273.1	407.1	1061.8	2685.2	2993.2	2599.3	1900.6	1173.3	699.7
82.5°	124.8	130.9	179.0	245.5	550.3	1115.0	1319.6	1081.3	925.8	675.1	489.0
85°	80.8	82.9	104.3	151.4	357.0	438.8	514.5	529.9	527.8	473.6	392.8
87.5°	45.0	46.0	49.1	64.4	163.7	230.2	209.7	256.8	306.9	304.8	347.8
90°	31.7	31.7	26.6	28.6	90.0	231.2	210.7	226.1	203.6	239.4	359.1
92.5°	29.7	30.7	24.6	25.6	71.6	227.1	253.7	252.7	208.7	250.6	361.1
95°	24.6	26.6	19.4	21.5	45.0	194.4	251.6	250.6	184.1	198.5	256.8
97.5°	19.4	20.5	13.3	16.4	26.6	99.2	151.4	144.2	97.2	83.9	100.2
100°	12.3	13.3	7.2	11.3	16.4	32.7	54.2	57.3	45.0	20.5	12.3
102.5°	12.3	13.3	5.1	7.2	7.2	9.2	12.3	10.2	14.3	7.2	10.2
105°	12.3	13.3	4.1	3.1	2.0	3.1	2.0	3.1	5.1	6.1	12.3
107.5°	9.2	10.2	2.0	2.0	1.0	2.0	2.0	2.0	3.1	5.1	11.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	6.1	6.1	1.0	1.0	0.0	2.0	2.0	2.0	3.1	4.1	6.1
112.5°	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	3.1	3.1	4.1
115°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.1	5.1
117.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	5.1
120°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	5.1
122.5°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	5.1
125°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	5.1
127.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	4.1
130°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	4.1
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
142.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
145°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
147.5°	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1	3.1
150°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	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	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	3.1	3.1	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	3.1	3.1	2.0	2.0	1.0	1.0	2.0	3.1	5.1	7.2	7.2
7.5°	4.1	3.1	3.1	3.1	3.1	14.3	52.2	91.0	114.6	122.8	120.7
10°	7.2	6.1	6.1	6.1	30.7	100.2	134.0	137.1	147.3	149.4	148.3
12.5°	153.4	130.9	81.8	38.9	107.4	140.1	146.3	156.5	163.7	214.8	225.0
15°	227.1	224.0	217.9	230.2	249.6	160.6	197.4	263.9	298.7	312.0	316.1
17.5°	272.1	268.0	250.6	290.5	307.9	304.8	294.6	316.1	321.2	333.5	332.5
20°	494.1	483.9	431.7	342.7	322.2	405.1	332.5	333.5	414.3	462.4	458.3
22.5°	545.2	540.1	511.5	503.3	433.7	428.6	445.0	456.2	492.0	509.4	507.4
25°	707.9	701.7	568.8	521.7	528.9	454.2	530.9	496.1	511.5	557.5	551.4
27.5°	877.7	863.4	759.0	636.3	529.9	564.7	535.0	585.1	637.3	664.9	668.0
30°	959.5	934.0	812.2	669.0	581.0	558.5	562.6	638.3	647.5	671.1	676.2
32.5°	1267.4	1246.0	1035.2	687.4	582.1	534.0	591.3	624.0	722.2	773.4	777.4
35°	1354.4	1336.0	1044.4	771.3	561.6	553.4	559.6	649.6	699.7	736.5	742.7
37.5°	1448.5	1416.8	1061.8	724.2	578.0	515.6	541.1	590.2	677.2	740.6	757.0
40°	1581.5	1524.2	1051.6	675.1	537.0	503.3	501.2	559.6	597.4	628.1	633.2
42.5°	1751.3	1653.1	1057.7	629.1	500.2	468.5	476.7	503.3	516.6	518.6	518.6
45°	1960.0	1813.7	1084.3	591.3	469.5	452.1	455.2	462.4	464.4	439.9	436.8
47.5°	2241.3	2020.3	1106.8	561.6	447.0	440.9	431.7	435.8	427.6	394.9	390.8
50°	2574.8	2266.9	1126.3	526.8	426.6	425.5	423.5	408.2	393.8	363.1	359.1
52.5°	2931.8	2558.4	1136.5	489.0	410.2	413.3	415.3	389.7	369.3	345.8	343.7
55°	3398.2	2898.0	1161.0	454.2	390.8	396.9	408.2	382.6	363.1	347.8	357.0
57.5°	3858.6	3274.5	1140.6	422.5	376.4	381.6	399.0	388.7	379.5	379.5	381.6
60°	4304.6	3600.8	1013.7	396.9	363.1	369.3	406.1	424.5	423.5	442.9	448.1
62.5°	4604.3	3770.6	826.5	374.4	351.9	375.4	439.9	482.8	475.7	483.9	487.9
65°	4726.0	3760.4	630.1	358.0	344.7	402.0	478.7	520.7	494.1	475.7	471.6
67.5°	4597.1	3534.3	511.5	344.7	344.7	426.6	511.5	522.7	494.1	495.1	487.9
70°	4074.4	3007.5	439.9	331.4	349.8	422.5	527.8	519.7	495.1	512.5	502.3
72.5°	3057.6	2143.1	394.9	322.2	347.8	406.1	518.6	518.6	498.2	531.9	521.7
74°	2319.0	1552.8	375.4	319.2	337.6	397.9	515.6	513.5	490.0	519.7	509.4
75°	1827.0	1186.6	363.1	315.1	331.4	392.8	510.5	508.4	485.9	517.6	509.4
77.5°	934.0	619.9	334.5	307.9	316.1	385.7	497.2	498.2	469.5	499.2	493.1
80°	595.4	469.5	297.7	284.4	304.8	386.7	489.0	483.9	451.1	483.9	469.5
82.5°	474.6	387.7	241.4	246.5	290.5	380.5	483.9	460.3	427.6	476.7	427.6
85°	380.5	326.3	166.7	182.1	257.8	349.8	461.4	412.2	378.5	385.7	379.5
87.5°	321.2	263.9	78.8	118.7	201.5	268.0	342.7	319.2	293.6	305.9	292.6
90°	325.3	253.7	56.3	91.0	182.1	223.0	273.1	239.4	225.0	229.1	221.0
92.5°	316.1	242.4	57.3	75.7	178.0	244.5	288.5	244.5	215.8	207.7	200.5
95°	213.8	167.8	53.2	59.3	113.5	192.3	233.2	185.2	150.4	133.0	127.9
97.5°	81.8	73.7	46.0	49.1	59.3	102.3	135.0	118.7	80.8	58.3	55.2
100°	12.3	20.5	37.8	46.0	34.8	38.9	56.3	63.4	40.9	4.1	3.1
102.5°	13.3	11.3	15.3	34.8	20.5	8.2	17.4	34.8	22.5	2.0	2.0
105°	15.3	12.3	6.1	15.3	5.1	1.0	1.0	7.2	5.1	1.0	2.0
107.5°	13.3	11.3	4.1	3.1	1.0	1.0	0.0	0.0	0.0	1.0	2.0



REPORT NUMBER: P254642

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.2	7.2	4.1	2.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0
112.5°	5.1	5.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	2.0	3.1
115°	6.1	5.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
117.5°	6.1	6.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	3.1	4.1
120°	6.1	6.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
122.5°	6.1	5.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1
125°	5.1	5.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
127.5°	5.1	5.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
130°	4.1	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
132.5°	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	0.0	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)