

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: P254588

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254588
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-AF24-100-D-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA 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: 8683.7 lumens
Efficiency: N/A
Efficacy: 90.5 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

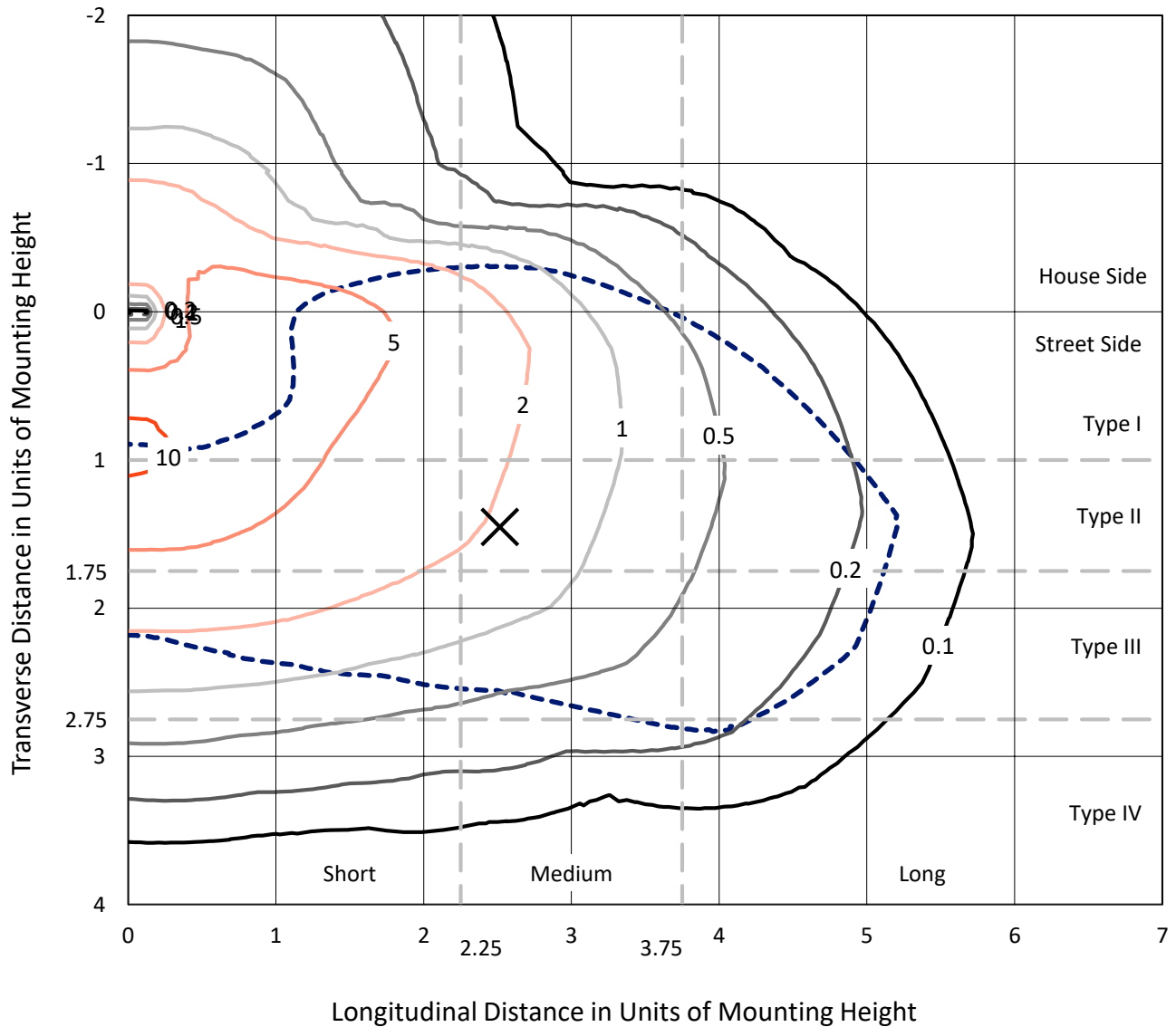
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

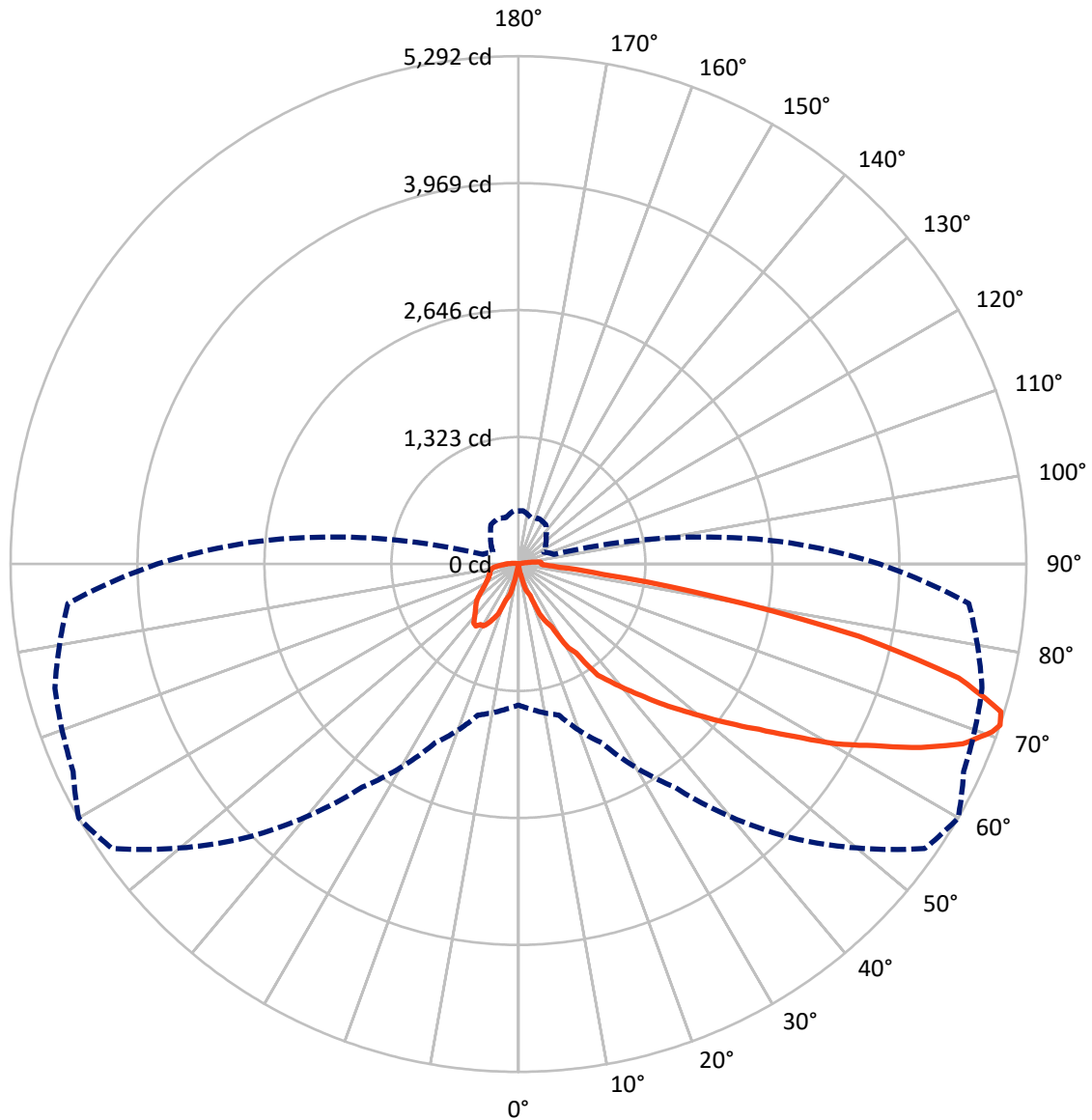
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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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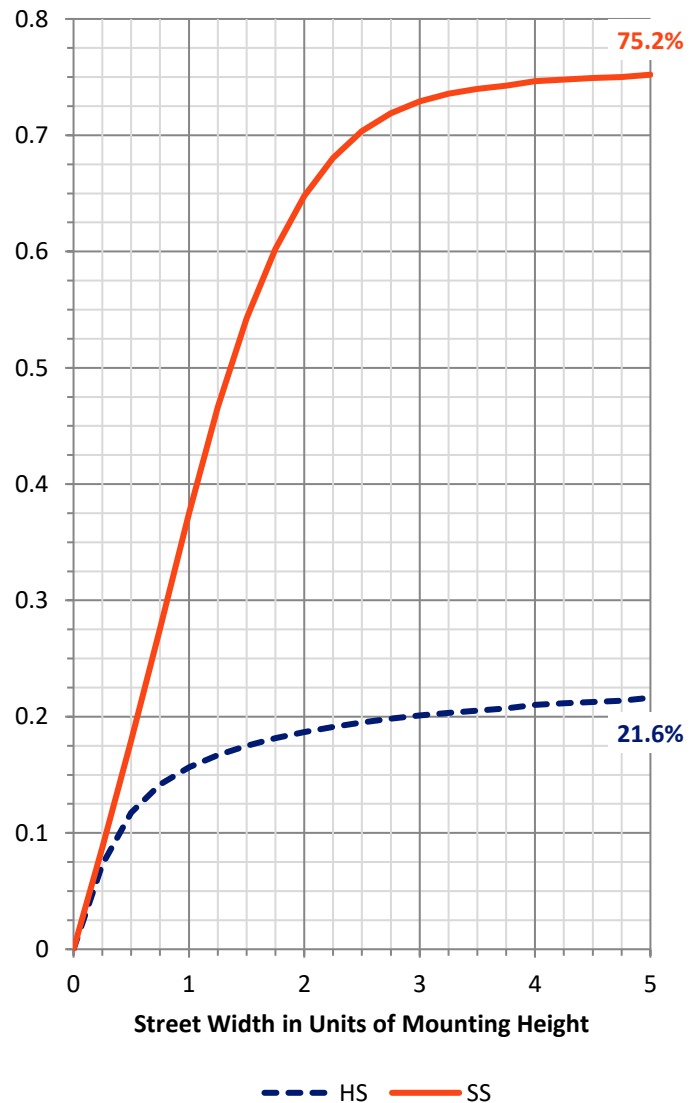
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.7	64.0	2036.7
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	6584.6	62.4	6647.0
	% Fixture	75.8	0.7	76.5
Total	Lumens	8557.3	126.4	8683.7
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	78.0	0.9
20°-30°	320.2	3.7
30°-40°	720.0	8.3
40°-50°	1249.9	14.4
50°-60°	1893.9	21.8
60°-70°	2333.9	26.9
70°-80°	1590.7	18.3
80°-90°	366.1	4.2
90°-100°	111.8	1.3
100°-110°	10.5	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°	8557.3	98.5
0°-180°	8683.7	100.0



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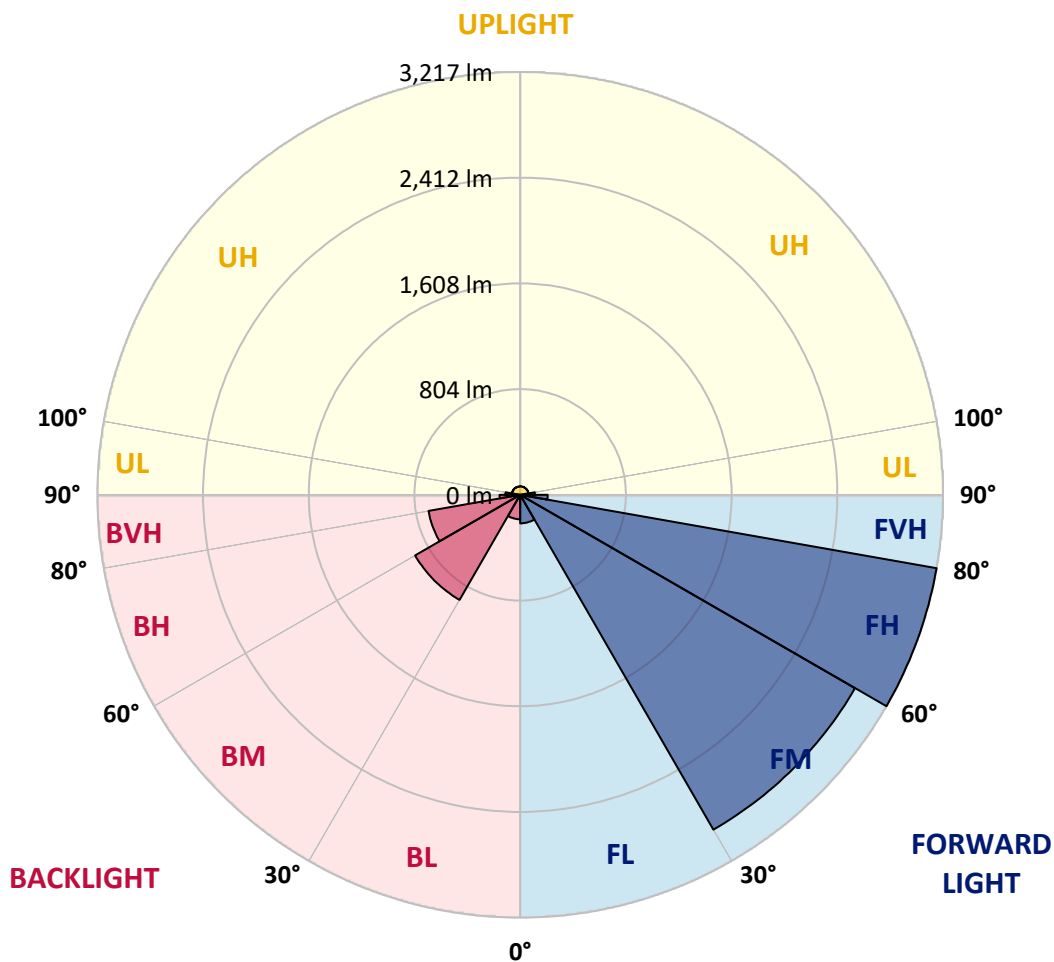
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.9	2.5			
FM	(30°-60°)	2941.2	33.9			
FH	(60°-80°)	3216.6	37.0			G2/5000
FVH	(80°-90°)	209.9	2.4			G2/225
BL	(0°-30°)	186.0	2.1	B1/500		
BM	(30°-60°)	922.6	10.6	B1/1000		
BH	(60°-80°)	708.0	8.2	B2/1000		G2/1000
BVH	(80°-90°)	156.2	1.8			G2/225
UL	(90°-100°)	111.8	1.3		U3/500	
UH	(100°-180°)	64.0	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°	5.1	6.1	4.1	5.1	5.1	4.1	3.1	3.1	4.1	4.1	3.1
5°	93.1	94.1	98.2	101.3	34.8	24.6	9.2	6.1	5.1	4.1	4.1
7.5°	117.6	115.6	113.5	107.4	110.5	103.3	61.4	25.6	12.3	5.1	4.1
10°	136.1	136.1	126.8	119.7	118.7	116.6	110.5	101.3	48.1	10.2	7.2
12.5°	248.6	241.4	230.2	189.2	144.2	129.9	126.8	129.9	106.4	105.4	141.2
15°	284.4	286.4	280.3	264.9	256.8	165.7	217.9	271.1	272.1	217.9	245.5
17.5°	369.3	367.2	335.5	305.9	297.7	317.1	318.1	304.8	305.9	272.1	289.5
20°	549.3	554.4	527.8	447.0	362.1	418.4	406.1	352.9	360.1	513.5	529.9
22.5°	644.5	654.7	623.0	589.2	584.1	464.4	524.8	560.6	544.2	605.6	609.7
25°	956.5	928.8	809.2	692.5	707.9	618.9	679.2	660.8	632.2	677.2	783.6
27.5°	1041.4	1048.5	1017.8	958.5	812.2	845.0	770.3	739.6	852.1	950.3	979.0
30°	1234.7	1234.7	1125.2	1102.7	1038.3	944.2	1007.6	998.4	1017.8	1033.2	1086.4
32.5°	1499.6	1482.3	1433.2	1263.3	1192.8	1080.2	1162.1	1105.8	1139.6	1349.3	1438.3
35°	1772.8	1771.8	1604.0	1479.2	1335.0	1317.6	1278.7	1423.9	1463.8	1473.0	1561.0
37.5°	2120.6	2123.6	2032.6	1666.4	1518.1	1438.3	1540.6	1549.8	1596.8	1677.6	1705.3
40°	2394.7	2378.4	2261.7	1988.6	1747.2	1633.7	1722.6	1707.3	1788.1	1852.6	1892.5
42.5°	2737.4	2727.2	2566.6	2250.5	2064.3	1883.3	1907.8	1867.9	1926.2	2086.8	2103.2
45°	3059.6	3040.2	2891.9	2554.3	2358.9	2159.4	2106.3	2069.4	2082.7	2264.8	2327.2
47.5°	3275.5	3253.0	3196.7	2865.3	2711.8	2451.0	2341.5	2267.9	2284.2	2487.8	2591.1
50°	3545.5	3470.9	3420.7	3124.1	3014.6	2803.9	2571.7	2500.1	2536.9	2723.1	2883.7
52.5°	3689.8	3588.5	3589.5	3377.8	3274.5	3125.1	2828.5	2758.9	2808.0	2986.0	3219.2
55°	3581.4	3571.1	3660.1	3539.4	3481.1	3352.2	3105.7	3042.3	3123.1	3330.7	3588.5
57.5°	3426.9	3442.2	3625.3	3682.6	3682.6	3579.3	3413.6	3387.0	3473.9	3684.7	3943.5
60°	3249.9	3287.8	3522.0	3686.7	3808.4	3802.3	3746.0	3801.3	3826.9	4027.4	4376.2
62.5°	2990.1	3007.5	3281.6	3615.1	3814.6	4010.0	4095.9	4166.5	4263.7	4428.4	4746.5
65°	2692.4	2713.9	2988.0	3422.8	3780.8	4146.0	4438.6	4609.4	4639.1	4771.0	5013.5
67.5°	2307.8	2331.3	2570.7	3061.7	3647.8	4256.5	4787.4	4996.1	4946.0	4927.6	5076.9
70°	1788.1	1787.1	1955.9	2407.0	3161.9	4213.5	5095.3	5237.5	5107.6	5006.3	4901.0
71°	1469.0	1519.1	1629.6	2056.1	2837.7	4038.6	5169.0	5291.7	5118.8	5000.2	4711.7
72.5°	936.0	994.3	1088.4	1466.9	2264.8	3586.5	5104.5	5255.9	5082.0	4925.5	4331.2
75°	369.3	382.6	452.1	679.2	1228.6	2415.2	4507.1	4737.3	4668.7	4527.6	3471.9
77.5°	223.0	230.2	256.8	339.6	563.6	1117.1	3291.9	3626.4	3747.1	3681.6	2389.6
80°	167.8	174.9	198.5	239.4	376.4	464.4	1739.0	2083.8	2381.4	2378.4	1341.1
82.5°	127.9	132.0	154.5	168.8	280.3	321.2	655.7	886.9	1153.9	1153.9	664.9
85°	118.7	118.7	125.8	113.5	186.2	230.2	389.7	426.6	451.1	478.7	387.7
87.5°	47.1	46.0	60.4	58.3	81.8	151.4	246.5	257.8	241.4	292.6	334.5
90°	31.7	32.7	25.6	25.6	45.0	139.1	225.0	236.3	222.0	263.9	343.7
92.5°	30.7	31.7	23.5	23.5	33.8	115.6	235.3	239.4	228.1	272.1	349.8
95°	27.6	28.6	19.4	19.4	26.6	70.6	218.9	225.0	195.4	219.9	280.3
97.5°	21.5	22.5	13.3	14.3	20.5	26.6	130.9	140.1	109.5	103.3	121.7
100°	14.3	15.3	8.2	10.2	12.3	12.3	50.1	54.2	49.1	26.6	15.3
102.5°	13.3	14.3	6.1	6.1	6.1	4.1	10.2	16.4	9.2	11.3	13.3
105°	12.3	14.3	4.1	3.1	2.0	2.0	3.1	4.1	5.1	7.2	14.3
107.5°	8.2	9.2	2.0	2.0	1.0	2.0	2.0	2.0	3.1	5.1	13.3



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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	6.1
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1	5.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.1	5.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.1	5.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.1	5.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	5.1
125°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	5.1
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	6.1	7.2	8.2	8.2
7.5°	4.1	4.1	4.1	4.1	4.1	8.2	51.1	113.5	129.9	139.1	136.1
10°	7.2	7.2	6.1	7.2	25.6	126.8	154.5	165.7	167.8	174.9	181.1
12.5°	151.4	129.9	61.4	34.8	130.9	164.7	178.0	187.2	197.4	245.5	219.9
15°	250.6	255.7	250.6	276.2	308.9	186.2	221.0	337.6	366.2	374.4	372.4
17.5°	296.7	290.5	290.5	353.9	366.2	364.2	351.9	376.4	383.6	395.9	391.8
20°	552.4	554.4	520.7	411.2	390.8	490.0	393.8	392.8	468.5	538.1	540.1
22.5°	615.8	620.9	604.6	609.7	511.5	506.4	494.1	518.6	548.3	561.6	557.5
25°	835.8	778.5	674.1	628.1	619.9	517.6	583.1	535.0	539.1	546.3	551.4
27.5°	1012.7	1005.6	938.0	766.2	619.9	628.1	561.6	552.4	613.8	619.9	620.9
30°	1096.6	1078.2	1002.5	806.1	680.3	601.5	547.3	590.2	581.0	587.2	587.2
32.5°	1461.8	1453.6	1286.9	827.6	658.8	556.5	560.6	559.6	612.7	630.1	626.0
35°	1560.0	1544.7	1298.1	940.1	625.0	561.6	527.8	567.7	567.7	574.9	572.9
37.5°	1681.7	1656.2	1316.5	900.2	645.5	527.8	516.6	527.8	556.5	564.7	559.6
40°	1849.5	1791.2	1301.2	833.7	602.5	522.7	497.2	517.6	515.6	505.3	500.2
42.5°	2024.4	1954.9	1302.2	772.3	568.8	515.6	491.0	486.9	480.8	464.4	461.4
45°	2251.5	2114.4	1317.6	729.4	540.1	511.5	484.9	466.5	457.3	440.9	437.8
47.5°	2510.3	2285.3	1312.4	694.6	511.5	499.2	466.5	449.1	444.0	421.5	418.4
50°	2771.2	2451.0	1316.5	647.5	478.7	485.9	461.4	436.8	427.6	402.0	401.0
52.5°	3076.0	2623.9	1289.9	580.0	440.9	468.5	464.4	439.9	439.9	402.0	399.0
55°	3377.8	2835.6	1267.4	508.4	415.3	454.2	470.6	461.4	459.3	407.1	404.1
57.5°	3675.5	3017.7	1194.8	446.0	399.0	441.9	484.9	475.7	469.5	427.6	418.4
60°	3996.7	3256.1	1057.7	396.9	389.7	431.7	489.0	487.9	453.2	449.1	444.0
62.5°	4238.1	3394.2	880.8	364.2	376.4	428.6	486.9	486.9	457.3	456.2	454.2
65°	4352.7	3411.5	665.9	338.6	363.1	423.5	479.8	499.2	475.7	478.7	474.6
67.5°	4294.3	3279.6	501.2	316.1	350.9	419.4	480.8	513.5	492.0	523.8	518.6
70°	3986.4	2940.0	412.2	300.7	346.8	412.2	495.1	517.6	503.3	554.4	548.3
71°	3762.4	2721.0	384.6	291.5	346.8	408.2	498.2	518.6	501.2	557.5	552.4
72.5°	3382.9	2335.4	355.0	278.2	344.7	406.1	498.2	517.6	507.4	570.8	561.6
75°	2549.2	1603.0	318.1	271.1	342.7	400.0	487.9	508.4	499.2	547.3	545.2
77.5°	1633.7	937.0	284.4	270.1	334.5	396.9	474.6	490.0	473.6	514.5	512.5
80°	899.2	538.1	252.7	252.7	318.1	389.7	454.2	457.3	440.9	472.6	459.3
82.5°	534.0	381.6	209.7	222.0	294.6	370.3	431.7	417.4	400.0	458.3	389.7
85°	360.1	296.7	144.2	170.8	264.9	321.2	384.6	362.1	332.5	334.5	319.2
87.5°	298.7	236.3	75.7	111.5	205.6	235.3	285.4	262.9	232.2	228.1	214.8
90°	296.7	230.2	60.4	100.2	164.7	182.1	221.0	199.5	182.1	189.2	179.0
92.5°	298.7	228.1	62.4	85.9	135.0	137.1	181.1	172.9	157.5	160.6	150.4
95°	239.4	179.0	60.4	68.5	76.7	72.6	111.5	111.5	96.2	91.0	84.9
97.5°	100.2	89.0	56.3	55.2	54.2	39.9	64.4	73.7	50.1	33.8	29.7
100°	15.3	25.6	47.1	52.2	37.8	23.5	40.9	47.1	26.6	5.1	4.1
102.5°	15.3	13.3	19.4	38.9	22.5	6.1	16.4	26.6	13.3	3.1	4.1
105°	16.4	13.3	8.2	20.5	5.1	2.0	1.0	7.2	2.0	3.1	3.1
107.5°	15.3	12.3	5.1	4.1	3.1	1.0	0.0	0.0	0.0	3.1	4.1



REPORT NUMBER: P254588

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.2	7.2	5.1	3.1	2.0	1.0	0.0	0.0	0.0	3.1	4.1
112.5°	5.1	6.1	4.1	3.1	1.0	1.0	0.0	0.0	0.0	4.1	5.1
115°	6.1	6.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.1
117.5°	6.1	6.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.1
120°	6.1	6.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.1
122.5°	6.1	6.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	3.1	4.1
125°	5.1	5.1	4.1	2.0	0.0	0.0	0.0	0.0	0.0	3.1	4.1
127.5°	5.1	5.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	2.0	3.1
130°	5.1	5.1	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)