

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: P255128

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8569.2 lumens
Efficiency: N/A
Efficacy: 89.3 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: B2 - U3 - G3

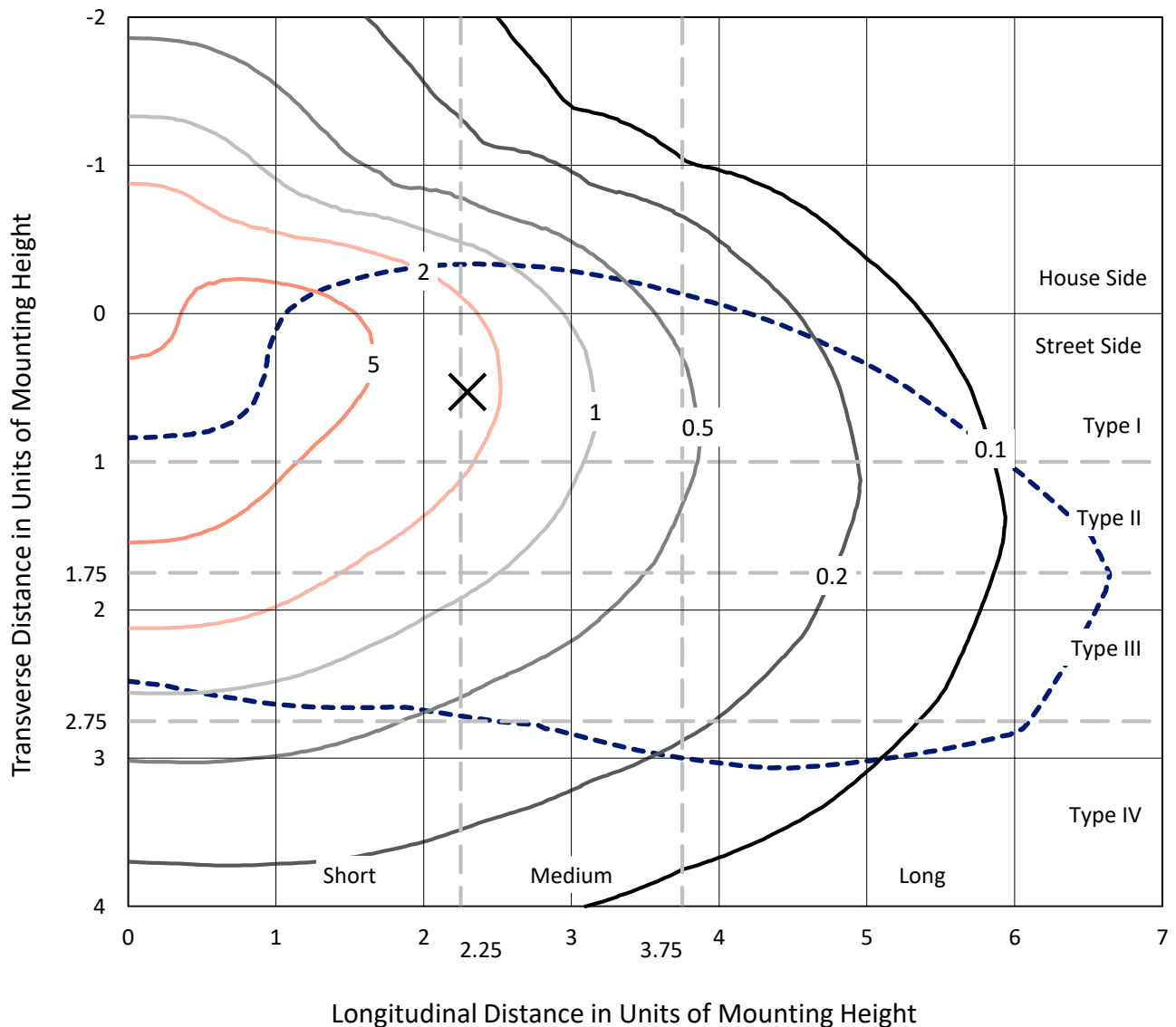
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

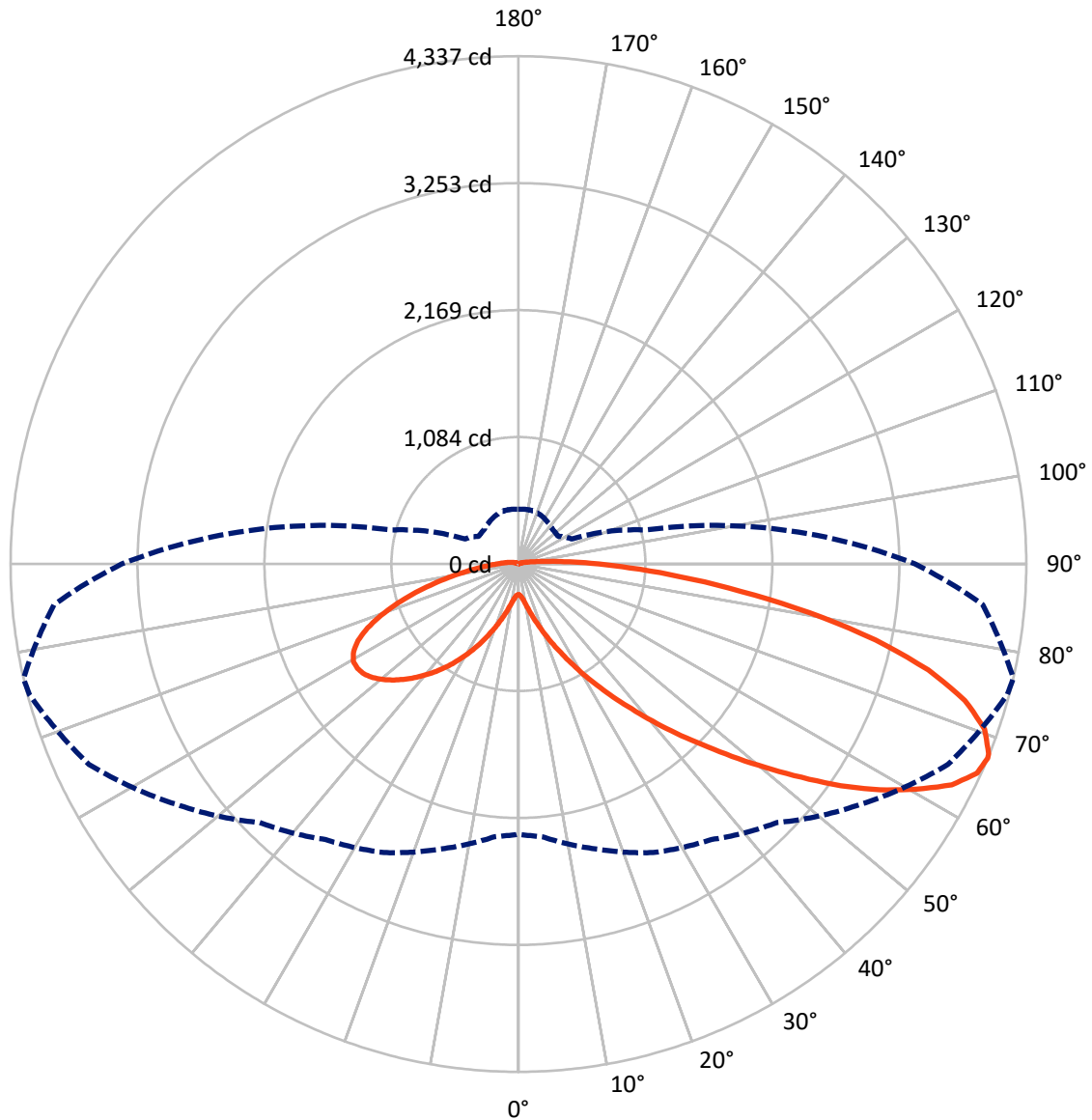
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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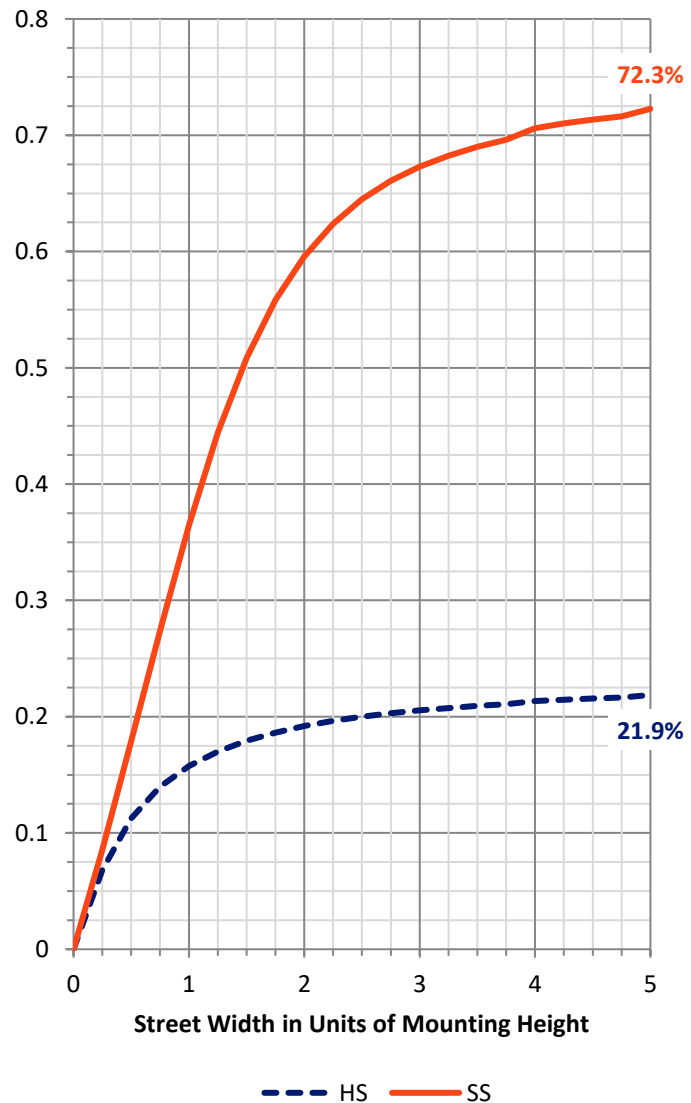
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1956.7	118.1	2074.9
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	6353.5	140.9	6494.3
	% Fixture	74.1	1.6	75.8
Total	Lumens	8310.2	259.0	8569.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	0.3
10°-20°	126.8	1.5
20°-30°	333.3	3.9
30°-40°	681.3	8.0
40°-50°	1181.0	13.8
50°-60°	1751.6	20.4
60°-70°	2032.7	23.7
70°-80°	1535.4	17.9
80°-90°	639.9	7.5
90°-100°	169.6	2.0
100°-110°	55.1	0.6
110°-120°	21.8	0.3
120°-130°	8.3	0.1
130°-140°	3.1	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8310.2	97.0
0°-180°	8569.2	100.0



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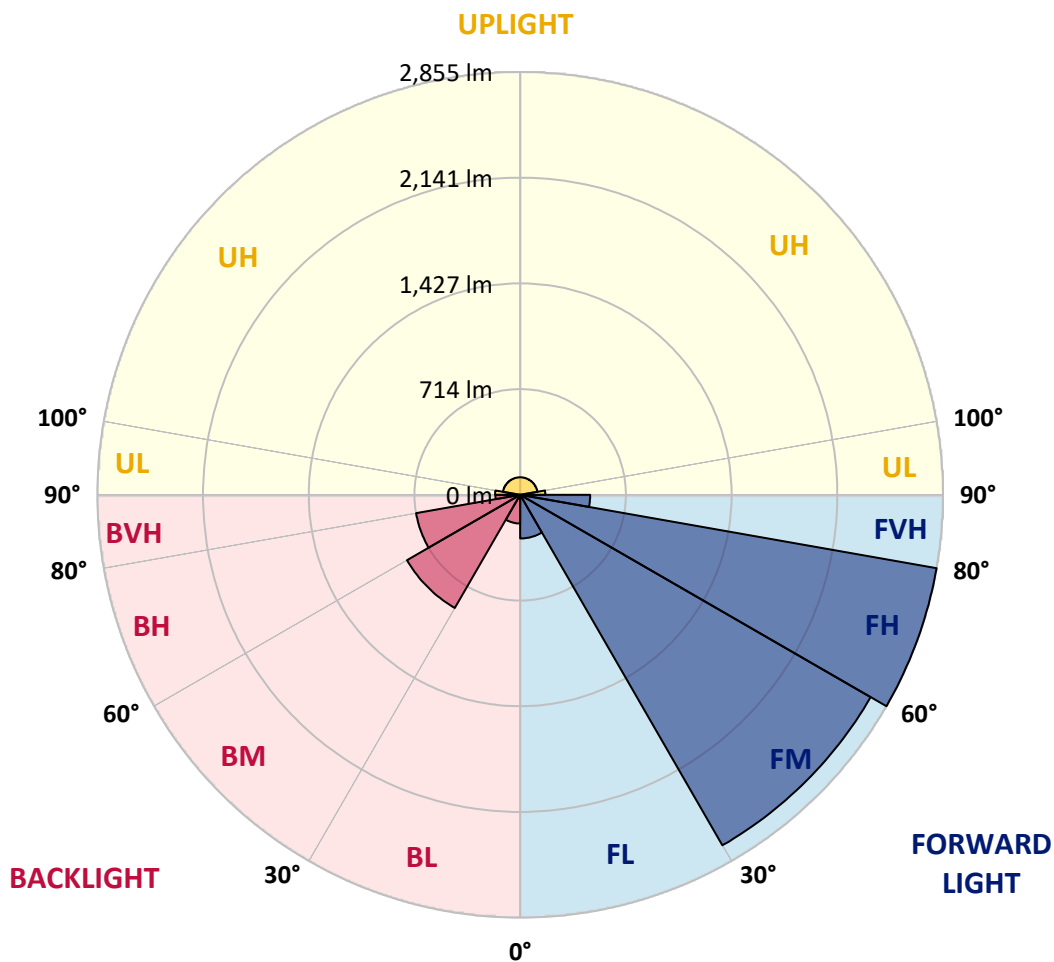
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.5	3.4			
FM	(30°-60°)	2731.7	31.9			
FH	(60°-80°)	2854.6	33.3			G2/5000
FVH	(80°-90°)	472.6	5.5			G3/500
BL	(0°-30°)	193.8	2.3	B1/500		
BM	(30°-60°)	882.2	10.3	B1/1000		
BH	(60°-80°)	713.5	8.3	B2/1000		G2/1000
BVH	(80°-90°)	167.3	2.0			G2/225
UL	(90°-100°)	169.6	2.0		U3/500	
UH	(100°-180°)	118.1	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9
2.5°	275.2	275.2	277.2	276.2	276.2	274.2	273.1	270.1	268.0	268.0	267.0
5°	295.6	295.6	296.7	297.7	295.6	294.6	291.5	287.4	284.4	284.4	282.3
7.5°	326.3	326.3	325.3	326.3	325.3	323.3	319.2	317.1	311.0	312.0	308.9
10°	370.3	370.3	368.3	370.3	365.2	363.1	360.1	357.0	349.8	351.9	346.8
12.5°	432.7	432.7	430.7	427.6	420.4	416.3	414.3	412.2	406.1	407.1	401.0
15°	507.4	506.4	504.3	500.2	489.0	483.9	478.7	475.7	470.6	472.6	466.5
17.5°	595.4	593.3	586.2	580.0	568.8	560.6	553.4	550.3	544.2	545.2	537.0
20°	696.6	694.6	685.4	676.2	659.8	648.6	641.4	634.2	628.1	634.2	618.9
22.5°	816.3	818.4	798.9	784.6	760.1	745.7	736.5	730.4	724.2	729.4	712.0
25°	953.4	952.4	930.9	912.5	877.7	853.1	839.8	835.8	832.7	836.8	824.5
27.5°	1110.9	1106.8	1083.3	1044.4	1005.6	967.7	950.3	953.4	952.4	955.4	943.2
30°	1285.8	1283.8	1251.1	1195.8	1144.7	1093.5	1077.2	1076.1	1085.4	1091.5	1066.9
32.5°	1479.2	1481.2	1437.2	1365.6	1289.9	1233.7	1218.3	1220.4	1232.7	1231.6	1213.2
35°	1693.1	1693.1	1647.1	1556.9	1456.7	1384.1	1366.7	1386.1	1393.3	1395.3	1367.7
37.5°	1921.2	1918.1	1875.2	1758.6	1644.0	1548.7	1518.1	1542.6	1570.2	1567.2	1538.5
40°	2165.7	2157.5	2101.2	1971.3	1832.2	1717.6	1682.9	1720.7	1760.6	1762.6	1727.9
42.5°	2398.9	2391.8	2333.5	2194.3	2027.6	1910.0	1871.1	1913.0	1970.3	1975.4	1913.0
45°	2617.8	2616.8	2563.6	2420.4	2238.3	2102.3	2063.4	2118.6	2198.4	2198.4	2133.0
47.5°	2824.5	2812.2	2777.4	2634.2	2462.3	2301.7	2263.9	2340.6	2451.1	2454.2	2377.4
50°	2983.0	2974.8	2957.5	2827.5	2652.6	2507.4	2472.6	2587.1	2716.0	2727.3	2633.2
52.5°	3092.5	3084.3	3097.6	2996.3	2838.8	2709.9	2697.6	2839.8	3007.6	3026.0	2913.5
55°	3135.4	3138.5	3181.5	3115.0	2990.2	2887.9	2931.9	3107.8	3306.3	3342.1	3194.8
57.5°	3114.0	3123.2	3198.9	3184.5	3097.6	3031.1	3146.7	3367.7	3606.0	3639.8	3471.0
60°	3001.4	3020.9	3132.4	3170.2	3137.5	3159.0	3337.0	3630.6	3890.4	3905.7	3735.9
62.5°	2818.3	2839.8	2986.1	3084.3	3105.8	3205.0	3476.1	3851.5	4126.7	4153.3	3905.7
65°	2558.5	2589.2	2751.8	2922.7	3008.6	3190.7	3567.1	3994.7	4277.1	4304.7	3991.7
67°	2306.9	2337.5	2517.6	2719.1	2872.5	3123.2	3574.3	4047.9	4321.0	4337.4	3980.4
67.5°	2238.3	2270.0	2450.1	2660.8	2829.6	3096.6	3568.2	4053.0	4321.0	4331.3	3965.1
70°	1863.9	1905.9	2089.0	2331.4	2554.4	2912.4	3478.1	3988.6	4244.3	4224.9	3777.9
72.5°	1474.1	1512.9	1692.1	1948.8	2204.6	2634.2	3275.6	3798.3	4011.1	3987.6	3470.0
75°	1101.7	1134.5	1306.3	1555.9	1827.1	2269.0	2958.5	3489.4	3639.8	3615.2	3044.4
77.5°	788.7	815.3	963.6	1192.8	1443.4	1871.1	2531.9	3051.6	3145.7	3117.0	2527.8
80°	542.2	573.9	680.3	884.9	1099.7	1463.8	2041.9	2485.9	2551.3	2521.7	1975.4
82.5°	358.0	375.4	469.5	635.3	814.3	1109.9	1561.0	1928.4	1984.6	1913.0	1464.9
85°	233.2	237.3	308.9	436.8	587.2	806.1	1144.7	1416.8	1442.4	1389.2	1042.4
87.5°	143.2	149.4	199.5	286.4	405.1	567.7	809.2	990.2	994.3	951.3	703.8
90°	92.1	96.2	127.9	186.2	275.2	386.7	545.2	657.8	654.7	620.9	449.1
92.5°	63.4	65.5	89.0	127.9	179.0	254.7	349.8	415.3	409.2	389.7	283.4
95°	46.0	48.1	65.5	93.1	124.8	167.8	217.9	251.6	244.5	232.2	178.0
97.5°	33.8	35.8	50.1	70.6	93.1	115.6	140.1	150.4	148.3	142.2	118.7
100°	25.6	27.6	38.9	55.2	72.6	85.9	98.2	99.2	96.2	94.1	85.9
102.5°	21.5	22.5	31.7	46.0	59.3	68.5	73.7	72.6	68.5	67.5	63.4
105°	18.4	19.4	27.6	38.9	49.1	57.3	59.3	56.3	51.1	50.1	48.1
107.5°	16.4	16.4	23.5	33.8	43.0	48.1	49.1	44.0	37.8	36.8	35.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	14.3	14.3	20.5	28.6	36.8	40.9	40.9	34.8	26.6	25.6	26.6
112.5°	12.3	13.3	17.4	24.6	31.7	34.8	33.8	27.6	19.4	18.4	19.4
115°	11.3	11.3	15.3	21.5	26.6	29.7	27.6	20.5	14.3	13.3	14.3
117.5°	10.2	10.2	13.3	18.4	22.5	24.6	22.5	16.4	10.2	10.2	11.3
120°	9.2	9.2	11.3	15.3	19.4	20.5	17.4	12.3	8.2	8.2	9.2
122.5°	8.2	8.2	10.2	13.3	16.4	16.4	14.3	9.2	6.1	6.1	7.2
125°	7.2	8.2	9.2	11.3	13.3	13.3	11.3	7.2	5.1	6.1	7.2
127.5°	7.2	7.2	8.2	9.2	11.3	11.3	9.2	5.1	5.1	5.1	6.1
130°	6.1	6.1	7.2	8.2	9.2	9.2	7.2	4.1	5.1	5.1	6.1
132.5°	6.1	6.1	6.1	7.2	7.2	7.2	5.1	4.1	4.1	5.1	5.1
135°	5.1	5.1	5.1	6.1	6.1	5.1	3.1	3.1	4.1	4.1	5.1
137.5°	4.1	4.1	5.1	4.1	4.1	4.1	3.1	3.1	4.1	4.1	4.1
140°	4.1	4.1	4.1	3.1	3.1	2.0	2.0	3.1	3.1	4.1	4.1
142.5°	2.0	3.1	3.1	2.0	2.0	1.0	2.0	2.0	3.1	3.1	3.1
145°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.1	3.1
147.5°	0.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	2.0	2.0
150°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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°	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9	261.9
2.5°	266.0	264.9	261.9	259.8	258.8	257.8	256.8	255.7	255.7	255.7	255.7
5°	280.3	279.3	274.2	270.1	267.0	263.9	261.9	259.8	258.8	257.8	256.8
7.5°	305.9	302.8	296.7	289.5	282.3	276.2	272.1	270.1	267.0	266.0	264.9
10°	343.7	340.6	329.4	317.1	305.9	296.7	289.5	285.4	283.4	281.3	281.3
12.5°	395.9	393.8	374.4	359.1	337.6	323.3	315.1	312.0	311.0	308.9	310.0
15°	458.3	454.2	428.6	405.1	376.4	359.1	346.8	341.7	339.6	336.6	337.6
17.5°	529.9	516.6	486.9	451.1	416.3	394.9	378.5	369.3	366.2	364.2	365.2
20°	608.7	595.4	550.3	499.2	457.3	429.6	407.1	395.9	391.8	391.8	391.8
22.5°	699.7	682.3	619.9	551.4	496.1	457.3	431.7	420.4	416.3	416.3	417.4
25°	804.0	775.4	695.6	606.6	533.0	480.8	454.2	441.9	438.8	438.8	439.9
27.5°	917.6	878.7	773.4	656.7	559.6	497.2	468.5	458.3	456.2	456.2	457.3
30°	1041.4	990.2	853.1	701.7	580.0	507.4	476.7	468.5	467.5	468.5	468.5
32.5°	1172.3	1114.0	931.9	739.6	593.3	512.5	481.8	476.7	475.7	477.7	475.7
35°	1314.5	1236.7	1010.7	770.3	601.5	513.5	483.9	480.8	480.8	479.8	478.7
37.5°	1467.9	1364.6	1083.3	792.8	601.5	511.5	482.8	481.8	481.8	479.8	477.7
40°	1644.0	1503.7	1150.8	806.1	595.4	505.3	480.8	480.8	479.8	475.7	473.6
42.5°	1814.8	1648.1	1215.3	808.1	585.1	497.2	477.7	479.8	477.7	469.5	467.5
45°	2005.1	1804.6	1272.6	805.1	570.8	489.0	474.6	478.7	474.6	464.4	462.4
47.5°	2226.0	1973.4	1322.7	792.8	552.4	479.8	470.6	475.7	473.6	461.4	459.3
50°	2453.1	2142.2	1362.6	775.4	534.0	471.6	467.5	474.6	472.6	459.3	457.3
52.5°	2690.5	2317.1	1391.2	747.8	514.5	463.4	464.4	473.6	473.6	460.3	458.3
55°	2925.7	2475.6	1404.5	713.0	494.1	456.2	461.4	473.6	476.7	463.4	461.4
57.5°	3142.6	2603.5	1397.4	673.1	474.6	448.1	459.3	472.6	478.7	466.5	464.4
60°	3323.7	2716.0	1366.7	630.1	458.3	440.9	456.2	472.6	479.8	470.6	468.5
62.5°	3434.1	2755.9	1304.3	584.1	441.9	432.7	451.1	470.6	478.7	471.6	469.5
65°	3455.6	2725.2	1215.3	540.1	426.6	423.5	442.9	464.4	475.7	471.6	468.5
67°	3388.1	2634.2	1122.2	505.3	413.3	414.3	435.8	458.3	471.6	470.6	466.5
67.5°	3358.4	2600.4	1098.6	496.1	411.2	411.2	433.7	456.2	470.6	469.5	466.5
70°	3160.0	2397.9	963.6	453.2	394.9	397.9	420.4	446.0	461.4	462.4	460.3
72.5°	2843.9	2114.5	827.6	412.2	376.4	380.5	403.0	428.6	446.0	448.1	445.0
75°	2427.6	1781.1	692.5	375.4	356.0	359.1	381.6	406.1	424.5	427.6	424.5
77.5°	2007.1	1425.0	565.7	340.6	331.4	336.6	356.0	378.5	395.9	397.9	395.9
80°	1535.4	1081.3	451.1	307.9	304.8	310.0	326.3	345.8	361.1	363.1	361.1
82.5°	1127.3	792.8	357.0	275.2	274.2	279.3	292.6	311.0	323.3	324.3	321.2
85°	804.0	559.6	284.4	239.4	241.4	243.5	255.7	270.1	280.3	281.3	275.2
87.5°	539.1	381.6	222.0	205.6	207.7	207.7	214.8	227.1	234.3	233.2	228.1
90°	351.9	259.8	179.0	174.9	175.9	175.9	179.0	187.2	193.3	190.3	187.2
92.5°	227.1	182.1	147.3	149.4	149.4	147.3	148.3	154.5	157.5	154.5	152.4
95°	154.5	134.0	122.8	125.8	126.8	122.8	122.8	125.8	127.9	123.8	120.7
97.5°	111.5	103.3	101.3	106.4	105.4	102.3	100.2	101.3	102.3	97.2	95.1
100°	83.9	81.8	82.9	89.0	88.0	84.9	82.9	81.8	80.8	75.7	74.7
102.5°	65.5	64.4	68.5	73.7	72.6	69.6	67.5	66.5	64.4	58.3	58.3
105°	50.1	51.1	56.3	61.4	60.4	58.3	56.3	54.2	50.1	45.0	45.0
107.5°	37.8	39.9	46.0	51.1	50.1	48.1	46.0	44.0	38.9	34.8	34.8



REPORT NUMBER: P255128

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.6	30.7	36.8	41.9	40.9	39.9	37.8	34.8	29.7	26.6	25.6
112.5°	21.5	23.5	29.7	33.8	33.8	32.7	30.7	27.6	22.5	20.5	19.4
115°	16.4	18.4	23.5	26.6	26.6	25.6	24.6	21.5	16.4	15.3	15.3
117.5°	13.3	14.3	18.4	21.5	21.5	20.5	19.4	16.4	12.3	12.3	12.3
120°	10.2	11.3	14.3	16.4	16.4	15.3	14.3	12.3	9.2	9.2	9.2
122.5°	9.2	9.2	11.3	13.3	12.3	12.3	11.3	9.2	7.2	7.2	7.2
125°	7.2	8.2	9.2	10.2	9.2	9.2	8.2	7.2	6.1	6.1	6.1
127.5°	7.2	7.2	7.2	7.2	7.2	7.2	6.1	5.1	4.1	5.1	5.1
130°	6.1	6.1	6.1	6.1	5.1	5.1	4.1	3.1	3.1	4.1	4.1
132.5°	6.1	6.1	6.1	5.1	4.1	3.1	3.1	2.0	3.1	3.1	3.1
135°	5.1	5.1	5.1	4.1	3.1	2.0	1.0	1.0	2.0	2.0	2.0
137.5°	5.1	5.1	4.1	4.1	3.1	1.0	0.0	1.0	1.0	1.0	1.0
140°	4.1	4.1	4.1	3.1	2.0	1.0	0.0	0.0	1.0	1.0	0.0
142.5°	4.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
145°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	1.0	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	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)