

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: P413702

Luminaire Tested: **LXF.LXT-PA1-100-722-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-722-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

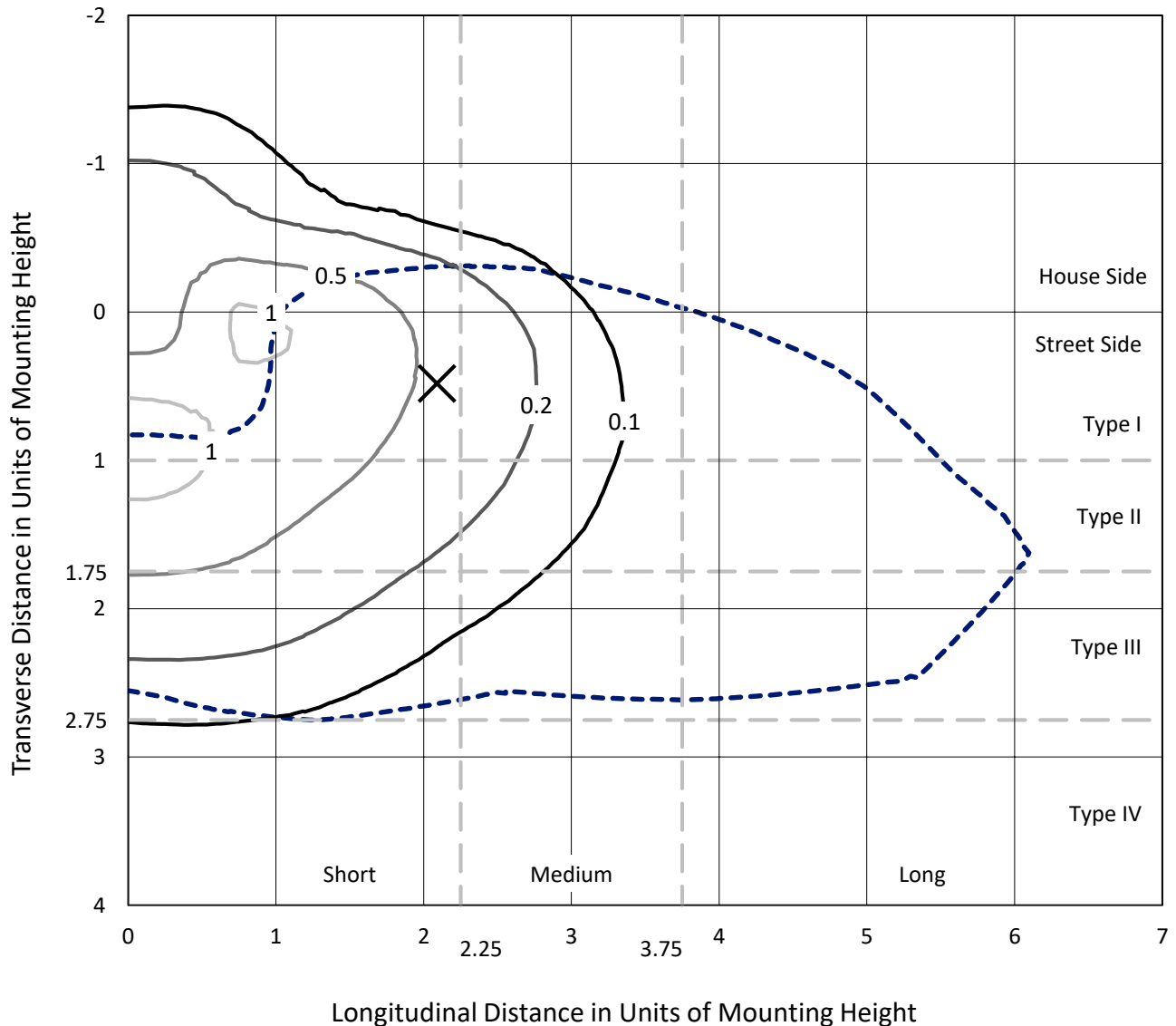
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

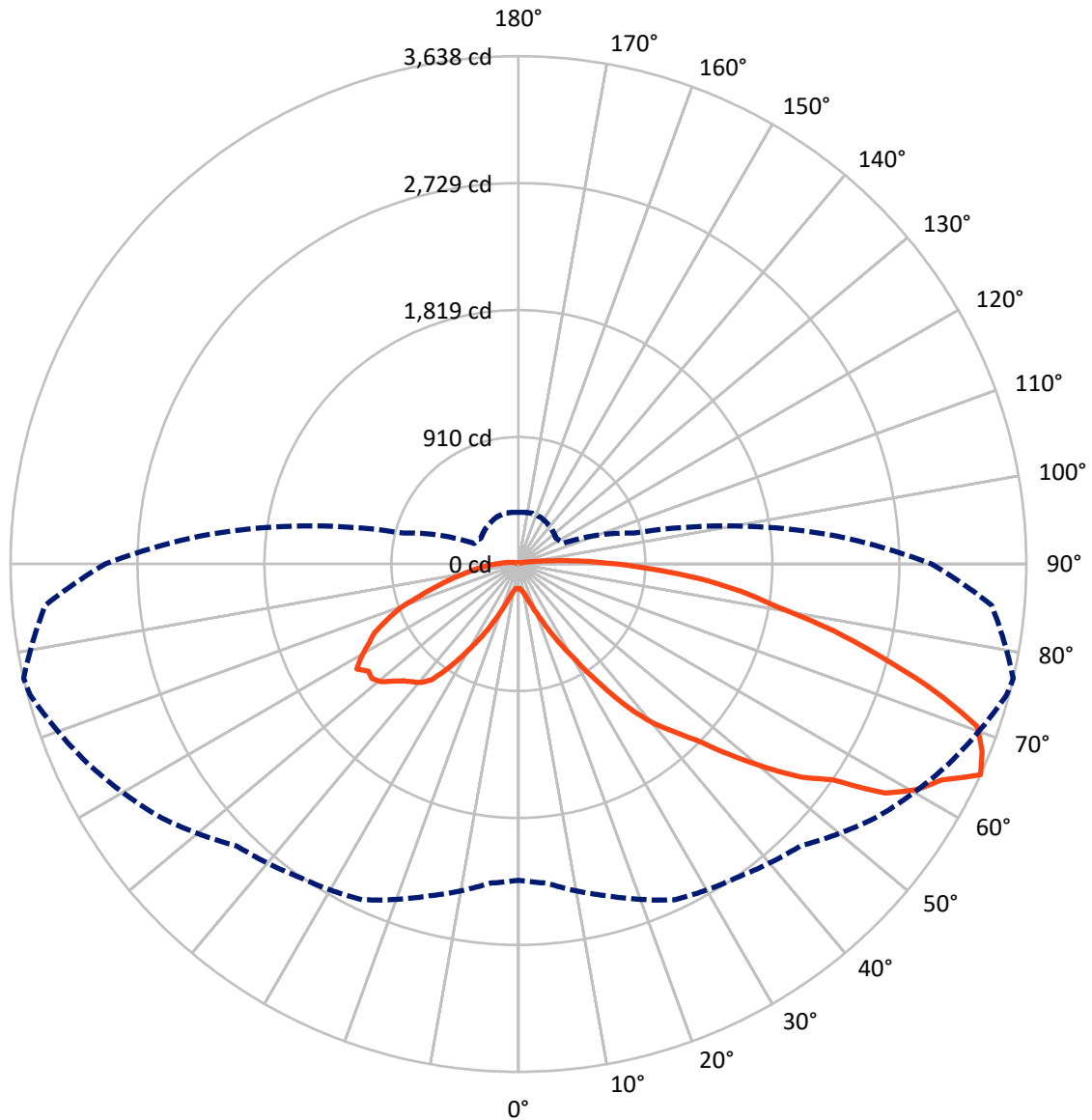
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.5	109.4	1647.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5197.3	136.8	5334.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	6735.8	246.2	6982.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	76.5	1.1
20°-30°	224.1	3.2
30°-40°	536.4	7.7
40°-50°	966.0	13.8
50°-60°	1469.3	21.0
60°-70°	1733.2	24.8
70°-80°	1194.4	17.1
80°-90°	517.9	7.4
90°-100°	151.2	2.2
100°-110°	47.3	0.7
110°-120°	22.1	0.3
120°-130°	13.0	0.2
130°-140°	7.9	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6735.8	96.5
0°-180°	6982.0	100.0



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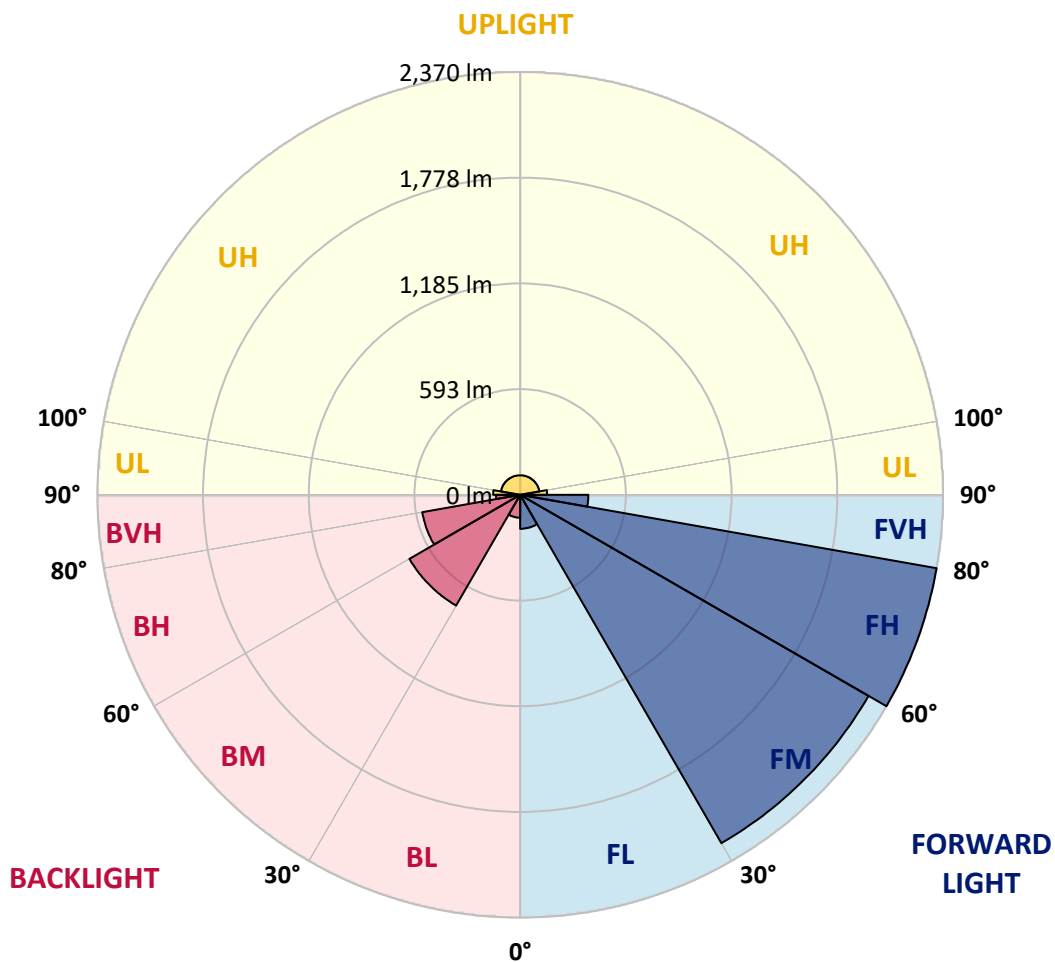
CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.3	2.7			
FM	(30°-60°)	2254.7	32.3			
FH	(60°-80°)	2370.2	33.9			G2/5000
FVH	(80°-90°)	382.1	5.5			G3/500
BL	(0°-30°)	128.3	1.8	B1/500		
BM	(30°-60°)	717.1	10.3	B1/1000		
BH	(60°-80°)	557.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	135.8	1.9			G2/225
UL	(90°-100°)	151.2	2.2		U3/500	
UH	(100°-180°)	109.4	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
2.5°	188.6	187.8	187.8	188.6	187.0	185.4	183.0	180.6	178.2	178.2	176.6
5°	203.9	203.0	203.0	203.0	199.8	197.4	191.8	188.6	185.4	183.8	181.4
7.5°	223.9	221.5	222.3	221.5	216.7	211.9	206.3	199.8	195.8	195.0	190.2
10°	250.4	248.8	247.2	244.0	239.2	231.1	223.1	217.5	211.9	211.1	205.5
12.5°	288.1	286.5	283.3	276.1	265.6	256.0	248.0	241.6	238.4	236.8	231.1
15°	333.9	329.0	327.4	316.2	301.8	290.5	281.7	277.7	274.5	274.5	267.3
17.5°	387.6	387.6	379.6	364.4	345.9	332.3	323.4	316.2	318.6	317.8	313.8
20°	454.2	452.6	440.6	420.5	398.1	385.2	374.0	370.0	373.2	376.4	376.4
22.5°	550.6	546.5	528.1	497.6	464.7	443.8	435.8	435.0	447.8	451.8	456.7
25°	658.9	653.3	630.0	593.1	552.2	520.1	508.8	517.7	540.9	549.8	559.4
27.5°	789.7	786.5	751.2	700.6	651.7	609.9	597.1	624.4	655.7	658.9	678.2
30°	958.3	959.9	911.7	838.7	755.2	711.9	697.4	730.3	776.9	780.1	818.6
32.5°	1153.3	1153.3	1081.0	992.8	885.2	824.2	810.6	863.6	936.6	947.8	984.7
35°	1402.1	1387.6	1295.3	1168.5	1033.7	943.0	941.4	1024.1	1124.4	1135.6	1175.7
37.5°	1625.2	1634.0	1540.1	1374.8	1192.6	1088.3	1101.9	1207.0	1333.9	1337.1	1380.4
40°	1866.8	1876.4	1765.6	1593.1	1369.2	1252.0	1279.3	1377.2	1503.2	1505.6	1520.8
42.5°	2056.2	2081.0	1977.5	1797.7	1571.4	1438.2	1444.6	1536.1	1633.2	1645.2	1655.7
45°	2169.3	2187.8	2130.8	1987.1	1749.6	1624.4	1609.1	1683.8	1810.6	1807.4	1822.6
47.5°	2347.5	2369.2	2281.7	2150.9	1950.2	1795.3	1776.1	1873.2	2028.9	2044.9	2030.5
50°	2532.1	2561.0	2497.6	2345.1	2138.0	1987.1	1989.5	2100.3	2281.7	2287.3	2296.1
52.5°	2661.3	2682.2	2657.3	2551.3	2331.4	2194.2	2215.9	2348.3	2526.5	2536.9	2501.6
55°	2681.4	2713.5	2733.5	2709.4	2543.3	2407.7	2463.1	2595.5	2715.9	2724.7	2697.4
57.5°	2674.9	2701.4	2744.0	2762.4	2678.9	2627.6	2699.0	2834.6	3066.6	3096.3	3082.6
60°	2667.7	2687.0	2775.3	2802.5	2755.2	2796.1	2910.1	3151.7	3279.3	3281.7	3157.3
62.5°	2467.1	2499.2	2665.3	2802.5	2789.7	2867.5	3117.1	3284.9	3386.0	3404.5	3285.7
65°	2265.6	2293.7	2460.6	2653.3	2738.3	2855.5	3149.2	3396.4	3621.1	3638.0	3402.9
67.5°	1974.3	2018.4	2200.6	2432.6	2536.9	2723.9	3065.0	3435.8	3575.4	3582.6	3313.8
70°	1608.3	1668.5	1874.0	2118.8	2244.0	2433.4	2876.4	3295.3	3490.3	3486.3	3166.1
72.5°	1158.9	1212.7	1400.5	1691.0	1886.8	2093.9	2531.3	3016.0	3126.8	3122.8	2693.4
75°	787.3	816.2	957.5	1223.1	1504.8	1748.0	2180.6	2616.3	2710.2	2703.0	2307.4
77.5°	516.0	549.0	640.4	867.6	1130.0	1410.1	1830.6	2190.2	2337.9	2311.4	1955.8
80°	316.2	334.7	410.1	585.9	856.3	1138.0	1513.6	1853.1	1929.4	1890.8	1597.1
82.5°	197.4	211.9	265.6	386.8	614.8	878.8	1241.6	1560.2	1645.2	1601.9	1313.8
85°	121.2	128.4	165.3	254.4	417.3	646.1	998.4	1265.6	1317.8	1286.5	990.4
87.5°	88.3	89.9	113.2	171.7	281.7	462.3	735.1	953.4	991.2	933.4	694.2
90°	65.0	68.2	83.5	121.2	195.8	313.8	506.4	670.9	680.6	645.3	463.9
92.5°	49.0	50.6	62.6	85.9	134.8	214.3	337.9	449.4	440.6	415.7	288.1
95°	35.3	36.1	44.9	61.0	94.7	143.7	215.1	281.7	253.6	243.2	175.0
97.5°	28.9	29.7	36.1	47.4	69.8	101.1	138.8	167.7	149.3	142.9	112.4
100°	24.9	24.9	30.5	39.3	54.6	75.4	92.3	105.1	96.3	93.1	79.5
102.5°	22.5	22.5	26.5	32.9	44.9	59.4	68.2	72.2	67.4	65.0	58.6
105°	20.1	20.1	23.3	28.1	37.7	48.2	52.2	53.0	48.2	47.4	44.9
107.5°	18.5	18.5	20.9	24.9	32.1	40.1	41.7	39.3	36.9	35.3	35.3
110°	16.1	16.9	18.5	21.7	28.1	33.7	33.7	30.5	27.3	27.3	28.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.2	15.2	16.9	20.1	24.9	28.9	27.3	24.1	21.7	21.7	23.3
115°	13.6	13.6	15.2	18.5	22.5	24.9	23.3	20.1	17.7	18.5	20.1
117.5°	12.8	12.8	14.4	16.9	20.1	21.7	20.1	16.9	15.2	16.1	18.5
120°	12.8	12.8	14.4	16.1	18.5	19.3	17.7	14.4	13.6	13.6	16.1
122.5°	12.8	12.8	13.6	16.1	17.7	17.7	15.2	12.8	12.0	12.0	14.4
125°	12.8	12.8	14.4	16.1	16.1	16.1	13.6	11.2	10.4	11.2	12.8
127.5°	13.6	13.6	14.4	15.2	15.2	14.4	12.0	10.4	9.6	10.4	12.0
130°	13.6	13.6	14.4	15.2	14.4	12.8	11.2	9.6	9.6	9.6	12.0
132.5°	13.6	13.6	14.4	14.4	13.6	11.2	9.6	8.0	8.8	9.6	11.2
135°	12.8	12.8	12.8	12.8	12.0	10.4	8.0	7.2	8.0	8.8	10.4
137.5°	12.0	12.0	12.0	12.0	10.4	8.8	6.4	5.6	7.2	7.2	8.8
140°	10.4	10.4	11.2	10.4	9.6	7.2	5.6	4.0	5.6	5.6	7.2
142.5°	9.6	9.6	9.6	9.6	8.0	6.4	4.0	4.0	4.8	4.8	5.6
145°	8.0	8.0	8.8	8.0	6.4	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	6.4	7.2	7.2	6.4	5.6	4.0	2.4	2.4	3.2	3.2	4.0
150°	5.6	5.6	5.6	5.6	4.0	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.8	4.8	3.2	1.6	1.6	2.4	2.4	2.4	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	2.4	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
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°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
2.5°	175.8	174.2	173.4	171.7	170.1	168.5	168.5	168.5	167.7	166.9	167.7
5°	179.0	178.2	174.2	170.9	167.7	166.1	164.5	163.7	163.7	162.1	162.1
7.5°	187.8	184.6	179.0	173.4	170.1	166.9	164.5	163.7	162.9	161.3	161.3
10°	201.4	197.4	191.0	182.2	176.6	170.9	168.5	168.5	167.7	166.9	166.9
12.5°	227.1	222.3	211.1	199.0	187.8	179.8	178.2	180.6	185.4	186.2	186.2
15°	264.8	259.2	244.8	225.5	207.9	196.6	198.2	204.7	211.1	213.5	213.5
17.5°	311.4	305.0	284.1	256.0	232.7	222.3	221.5	230.3	239.2	244.0	244.0
20°	374.0	363.6	336.3	296.1	264.0	252.0	247.2	255.2	268.9	274.5	272.9
22.5°	451.8	439.8	401.3	340.3	300.2	278.5	272.1	280.9	297.7	305.0	304.2
25°	554.6	542.5	479.9	395.7	335.5	301.8	297.7	310.6	335.5	349.9	348.3
27.5°	674.1	654.1	570.6	457.5	370.0	321.0	321.8	343.5	369.2	385.2	383.6
30°	801.8	776.1	662.1	516.8	402.1	342.7	341.1	366.8	393.3	410.1	410.1
32.5°	970.3	932.6	768.0	573.8	427.0	359.5	353.9	382.8	410.1	427.8	427.0
35°	1150.9	1100.3	878.8	634.0	447.8	368.4	362.0	391.6	419.7	440.6	440.6
37.5°	1357.9	1272.1	982.3	675.8	462.3	373.2	364.4	398.1	432.6	454.2	452.6
40°	1467.1	1370.8	1032.1	694.2	464.7	374.0	368.4	403.7	432.6	440.6	436.6
42.5°	1589.1	1464.7	1053.0	671.7	455.9	372.4	370.8	398.1	410.9	408.5	406.1
45°	1743.2	1575.4	1073.0	643.7	435.0	370.0	366.8	382.8	383.6	374.0	370.8
47.5°	1939.8	1727.9	1105.9	609.9	414.1	364.4	360.3	367.6	353.9	336.3	330.7
50°	2150.9	1904.5	1146.9	581.1	394.9	357.1	353.1	350.7	337.1	319.4	316.2
52.5°	2334.6	2024.1	1158.1	550.6	382.0	352.3	347.5	345.1	332.3	312.2	308.2
55°	2499.2	2126.0	1118.8	504.8	371.6	349.1	347.5	347.5	333.9	313.0	309.0
57.5°	2824.2	2370.0	1133.2	458.3	357.9	348.3	350.7	351.5	338.7	318.6	314.6
60°	2833.8	2323.4	1048.9	425.4	345.9	348.3	353.9	355.5	346.7	333.1	330.7
62.5°	2926.1	2325.0	935.8	382.8	337.9	346.7	356.3	362.0	362.8	354.7	353.1
65°	2959.8	2291.3	853.9	349.1	326.6	342.7	357.1	370.8	375.6	371.6	370.0
67.5°	2830.6	2136.4	742.4	326.6	315.4	336.3	356.3	373.2	383.6	386.0	386.0
70°	2660.5	1962.3	642.9	305.0	303.4	327.4	350.7	373.2	387.6	394.1	394.1
72.5°	2228.7	1611.5	530.5	282.5	287.3	313.8	338.7	366.0	382.0	387.6	385.2
75°	1864.3	1326.6	436.6	263.2	271.3	296.9	321.8	348.3	359.5	362.8	360.3
77.5°	1577.0	1103.5	358.7	245.6	252.0	275.3	297.7	316.2	323.4	321.8	317.8
80°	1271.3	861.1	294.5	223.9	230.3	248.8	264.8	279.3	286.5	282.5	280.1
82.5°	1012.0	684.6	251.2	204.7	207.1	222.3	233.5	244.8	256.8	253.6	247.2
85°	748.8	504.0	213.5	183.8	183.8	195.0	200.6	211.1	227.9	227.1	224.7
87.5°	512.0	358.7	181.4	162.9	162.1	168.5	171.7	183.0	204.7	205.5	203.0
90°	337.1	245.6	151.7	141.3	139.6	144.5	146.9	156.5	174.2	175.8	172.6
92.5°	219.1	170.1	124.4	119.6	118.8	122.8	122.0	128.4	140.4	139.6	137.2
95°	140.4	118.8	101.1	98.7	96.3	101.1	99.5	101.1	107.5	105.9	105.9
97.5°	97.1	90.7	83.5	79.5	77.8	82.7	81.1	81.1	84.3	81.1	79.5
100°	74.6	72.2	69.0	65.8	62.6	66.6	66.6	66.6	69.0	64.2	62.6
102.5°	57.8	57.0	57.0	54.6	52.2	55.4	56.2	57.0	56.2	51.4	50.6
105°	45.7	45.7	47.4	44.9	44.1	46.5	47.4	46.5	46.5	42.5	42.5
107.5°	36.1	37.7	39.3	37.7	37.7	39.3	39.3	39.3	37.7	35.3	36.1
110°	29.7	31.3	33.7	32.1	32.1	33.7	32.9	32.1	31.3	30.5	30.5



REPORT NUMBER: P413702

CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.7	26.5	28.1	27.3	28.1	28.9	28.1	26.5	26.5	26.5	27.3
115°	21.7	23.3	24.9	24.1	24.1	24.9	23.3	22.5	22.5	23.3	23.3
117.5°	19.3	20.9	21.7	21.7	20.9	21.7	20.1	19.3	20.1	20.9	20.9
120°	17.7	18.5	19.3	19.3	18.5	18.5	17.7	16.9	17.7	18.5	19.3
122.5°	16.1	16.9	16.9	17.7	16.9	16.1	15.2	15.2	16.1	16.9	16.9
125°	14.4	15.2	15.2	15.2	15.2	14.4	13.6	13.6	14.4	15.2	16.1
127.5°	12.8	13.6	13.6	14.4	13.6	12.8	12.0	12.8	13.6	14.4	14.4
130°	12.8	12.8	12.8	12.8	12.0	11.2	11.2	11.2	12.8	13.6	13.6
132.5°	12.0	12.8	12.0	12.0	11.2	9.6	9.6	10.4	12.0	12.8	12.8
135°	11.2	11.2	10.4	10.4	9.6	8.8	8.0	9.6	10.4	11.2	11.2
137.5°	9.6	9.6	8.8	8.0	8.0	7.2	7.2	8.0	9.6	10.4	10.4
140°	7.2	8.0	7.2	6.4	6.4	5.6	6.4	7.2	8.8	8.8	8.8
142.5°	5.6	6.4	5.6	4.8	4.8	4.8	4.8	6.4	8.0	8.0	8.0
145°	4.8	4.8	4.8	4.0	3.2	3.2	4.0	5.6	7.2	7.2	7.2
147.5°	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.8	5.6	5.6	5.6
150°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	3.2	4.0	4.0	4.0
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	2.4	2.4
160°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	1.6	1.6
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)