

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: P413910

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413910
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-PA1-100-750-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 9498 lumens
Efficiency: N/A
Efficacy: 98.9 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 - G4

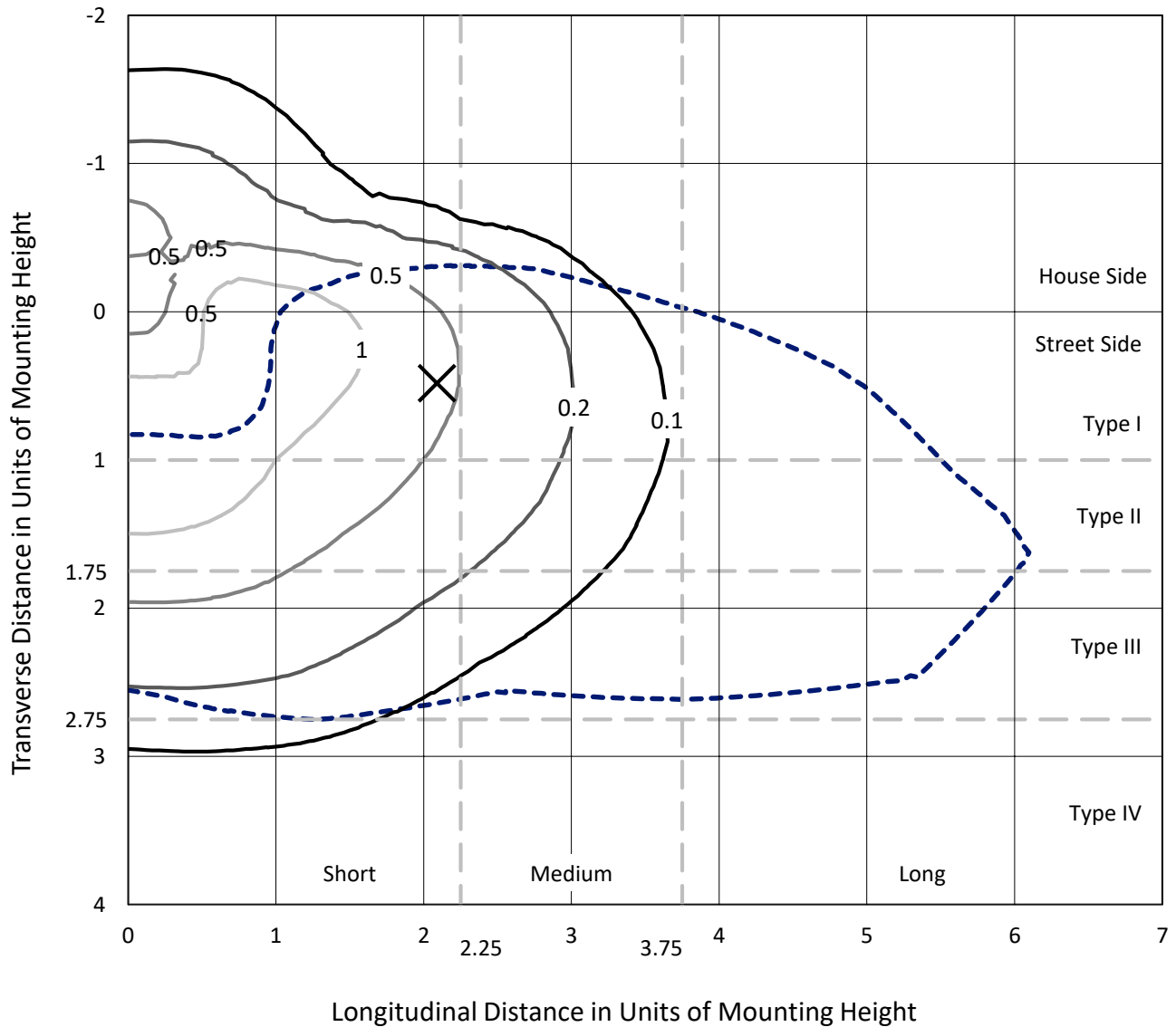
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

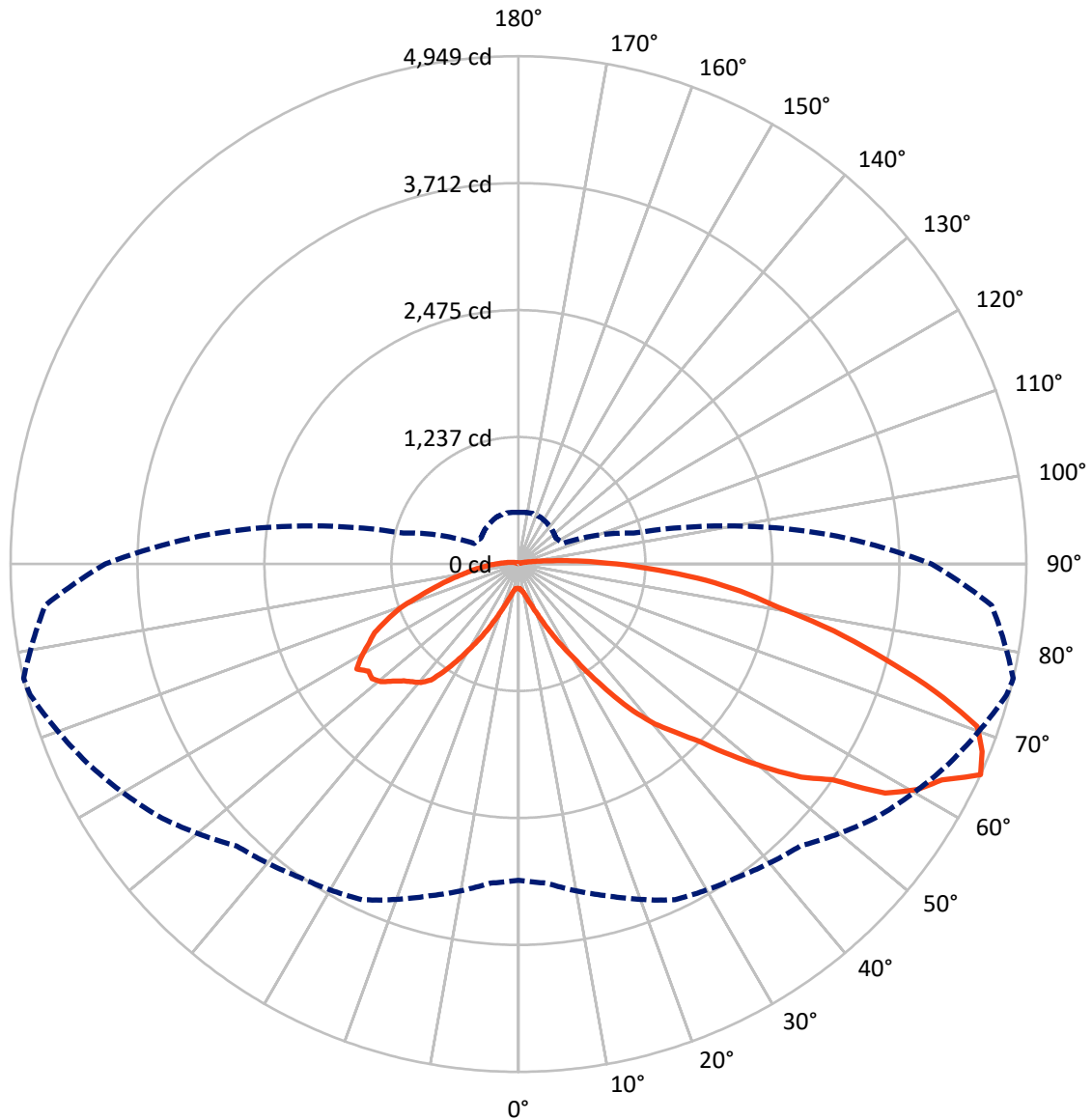
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	2092.9	148.9	2241.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	7070.2	186.1	7256.2
	% Fixture	74.4	2.0	76.4
Total	Lumens	9163.1	334.9	9498.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.3
10°-20°	104.0	1.1
20°-30°	304.8	3.2
30°-40°	729.8	7.7
40°-50°	1314.1	13.8
50°-60°	1998.8	21.0
60°-70°	2357.8	24.8
70°-80°	1624.9	17.1
80°-90°	704.5	7.4
90°-100°	205.7	2.2
100°-110°	64.4	0.7
110°-120°	30.1	0.3
120°-130°	17.7	0.2
130°-140°	10.8	0.1
140°-150°	4.7	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9163.1	96.5
0°-180°	9498.0	100.0



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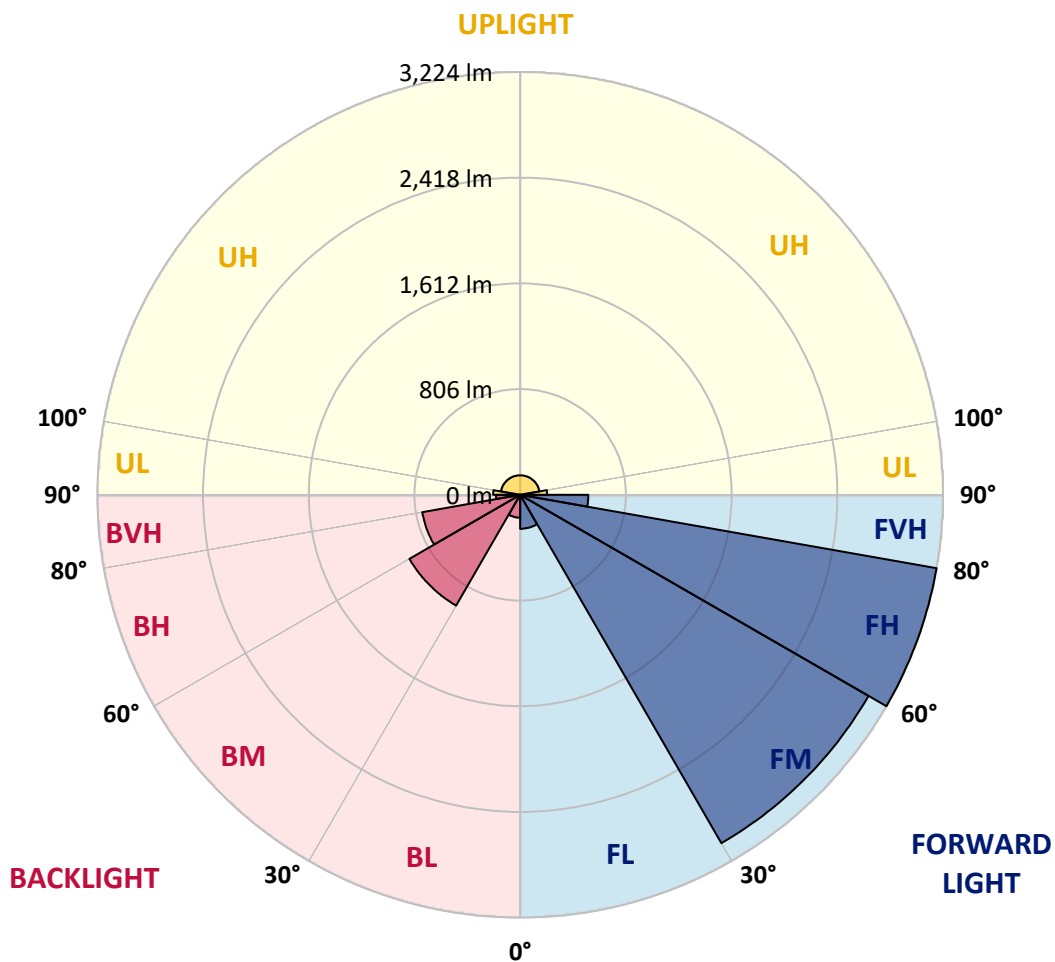
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.9	2.7			
FM	(30°-60°)	3067.2	32.3			
FH	(60°-80°)	3224.4	33.9			G2/5000
FVH	(80°-90°)	519.8	5.5			G4/750
BL	(0°-30°)	174.5	1.8	B1/500		
BM	(30°-60°)	975.5	10.3	B1/1000		
BH	(60°-80°)	758.3	8.0	B2/1000		G2/1000
BVH	(80°-90°)	184.7	1.9			G2/225
UL	(90°-100°)	205.7	2.2		U3/500	
UH	(100°-180°)	148.9	1.6		U3/500	

BUG Rating: B2-U3-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1
2.5°	256.6	255.5	255.5	256.6	254.4	252.2	248.9	245.6	242.4	242.4	240.2
5°	277.3	276.2	276.2	276.2	271.8	268.6	260.9	256.6	252.2	250.0	246.7
7.5°	304.6	301.3	302.4	301.3	294.8	288.2	280.6	271.8	266.4	265.3	258.7
10°	340.6	338.4	336.3	331.9	325.3	314.4	303.5	295.9	288.2	287.1	279.5
12.5°	391.9	389.8	385.4	375.6	361.4	348.3	337.4	328.6	324.3	322.1	314.4
15°	454.2	447.6	445.4	430.2	410.5	395.2	383.2	377.8	373.4	373.4	363.6
17.5°	527.3	527.3	516.4	495.7	470.6	452.0	440.0	430.2	433.4	432.3	426.9
20°	617.9	615.8	599.4	572.1	541.5	524.0	508.8	503.3	507.7	512.0	512.0
22.5°	749.0	743.5	718.4	676.9	632.1	603.7	592.8	591.7	609.2	614.7	621.2
25°	896.3	888.7	857.0	806.8	751.1	707.5	692.2	704.2	735.9	747.9	761.0
27.5°	1074.3	1069.9	1021.9	953.1	886.5	829.7	812.3	849.4	892.0	896.3	922.5
30°	1303.6	1305.8	1240.2	1140.9	1027.4	968.4	948.7	993.5	1056.8	1061.2	1113.6
32.5°	1568.9	1568.9	1470.6	1350.5	1204.2	1121.2	1102.7	1174.7	1274.1	1289.4	1339.6
35°	1907.3	1887.7	1762.1	1589.6	1406.2	1282.8	1280.6	1393.1	1529.6	1544.8	1599.4
37.5°	2210.8	2222.8	2095.1	1870.2	1622.4	1480.4	1499.0	1642.0	1814.5	1818.9	1877.8
40°	2539.4	2552.5	2401.9	2167.2	1862.6	1703.2	1740.3	1873.5	2044.9	2048.2	2068.9
42.5°	2797.1	2830.9	2690.1	2445.6	2137.7	1956.4	1965.2	2089.6	2221.7	2238.1	2252.3
45°	2951.0	2976.2	2898.6	2703.2	2380.0	2209.7	2189.0	2290.5	2463.0	2458.7	2479.4
47.5°	3193.4	3222.9	3103.9	2925.9	2653.0	2442.3	2416.1	2548.2	2760.0	2781.8	2762.2
50°	3444.5	3483.8	3397.6	3190.1	2908.5	2703.2	2706.5	2857.2	3103.9	3111.5	3123.5
52.5°	3620.3	3648.7	3614.8	3470.7	3171.6	2984.9	3014.4	3194.5	3436.9	3451.1	3403.0
55°	3647.6	3691.3	3718.6	3685.8	3459.8	3275.3	3350.6	3530.8	3694.5	3706.5	3669.4
57.5°	3638.9	3674.9	3732.7	3757.9	3644.3	3574.4	3671.6	3856.1	4171.6	4212.0	4193.5
60°	3629.0	3655.2	3775.3	3812.4	3748.0	3803.7	3958.7	4287.4	4461.0	4464.2	4295.0
62.5°	3356.1	3399.8	3625.8	3812.4	3795.0	3900.9	4240.4	4468.6	4606.2	4631.3	4469.7
65°	3082.1	3120.3	3347.4	3609.4	3725.1	3884.5	4284.1	4620.4	4926.0	4949.0	4629.1
67.5°	2685.7	2745.8	2993.6	3309.1	3451.1	3705.5	4169.5	4673.8	4863.8	4873.6	4507.9
70°	2187.9	2269.8	2549.3	2882.3	3052.6	3310.2	3912.9	4482.8	4748.1	4742.6	4307.0
72.5°	1576.5	1649.7	1905.1	2300.4	2566.7	2848.4	3443.4	4102.9	4253.5	4248.1	3664.0
75°	1071.0	1110.3	1302.5	1663.9	2047.1	2377.9	2966.3	3559.2	3686.9	3677.1	3138.8
77.5°	702.0	746.8	871.2	1180.2	1537.2	1918.2	2490.3	2979.4	3180.3	3144.3	2660.6
80°	430.2	455.3	557.9	797.0	1164.9	1548.1	2059.1	2520.9	2624.6	2572.2	2172.6
82.5°	268.6	288.2	361.4	526.2	836.3	1195.5	1689.0	2122.4	2238.1	2179.2	1787.2
85°	164.9	174.7	224.9	346.1	567.7	878.9	1358.2	1721.7	1792.7	1750.1	1347.2
87.5°	120.1	122.3	153.9	233.6	383.2	628.9	1000.1	1297.0	1348.3	1269.7	944.4
90°	88.4	92.8	113.5	164.9	266.4	426.9	688.9	912.7	925.8	877.8	631.0
92.5°	66.6	68.8	85.2	116.8	183.4	291.5	459.6	611.4	599.4	565.5	391.9
95°	48.0	49.1	61.1	83.0	128.8	195.4	292.6	383.2	345.0	330.8	238.0
97.5°	39.3	40.4	49.1	64.4	95.0	137.6	188.9	228.2	203.1	194.3	152.8
100°	33.8	33.8	41.5	53.5	74.2	102.6	125.6	143.0	131.0	126.6	108.1
102.5°	30.6	30.6	36.0	44.8	61.1	80.8	92.8	98.3	91.7	88.4	79.7
105°	27.3	27.3	31.7	38.2	51.3	65.5	71.0	72.1	65.5	64.4	61.1
107.5°	25.1	25.1	28.4	33.8	43.7	54.6	56.8	53.5	50.2	48.0	48.0
110°	21.8	22.9	25.1	29.5	38.2	45.9	45.9	41.5	37.1	37.1	38.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	20.7	20.7	22.9	27.3	33.8	39.3	37.1	32.8	29.5	29.5	31.7
115°	18.6	18.6	20.7	25.1	30.6	33.8	31.7	27.3	24.0	25.1	27.3
117.5°	17.5	17.5	19.7	22.9	27.3	29.5	27.3	22.9	20.7	21.8	25.1
120°	17.5	17.5	19.7	21.8	25.1	26.2	24.0	19.7	18.6	18.6	21.8
122.5°	17.5	17.5	18.6	21.8	24.0	24.0	20.7	17.5	16.4	16.4	19.7
125°	17.5	17.5	19.7	21.8	21.8	21.8	18.6	15.3	14.2	15.3	17.5
127.5°	18.6	18.6	19.7	20.7	20.7	19.7	16.4	14.2	13.1	14.2	16.4
130°	18.6	18.6	19.7	20.7	19.7	17.5	15.3	13.1	13.1	13.1	16.4
132.5°	18.6	18.6	19.7	19.7	18.6	15.3	13.1	10.9	12.0	13.1	15.3
135°	17.5	17.5	17.5	17.5	16.4	14.2	10.9	9.8	10.9	12.0	14.2
137.5°	16.4	16.4	16.4	16.4	14.2	12.0	8.7	7.6	9.8	9.8	12.0
140°	14.2	14.2	15.3	14.2	13.1	9.8	7.6	5.5	7.6	7.6	9.8
142.5°	13.1	13.1	13.1	13.1	10.9	8.7	5.5	5.5	6.6	6.6	7.6
145°	10.9	10.9	12.0	10.9	8.7	6.6	4.4	4.4	5.5	5.5	6.6
147.5°	8.7	9.8	9.8	8.7	7.6	5.5	3.3	3.3	4.4	4.4	5.5
150°	7.6	7.6	7.6	7.6	5.5	3.3	2.2	3.3	4.4	4.4	4.4
152.5°	5.5	5.5	6.6	6.6	4.4	2.2	2.2	3.3	3.3	3.3	4.4
155°	4.4	4.4	5.5	4.4	3.3	1.1	2.2	2.2	3.3	3.3	3.3
157.5°	2.2	2.2	3.3	3.3	2.2	1.1	1.1	2.2	2.2	2.2	3.3
160°	1.1	1.1	3.3	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
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°	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1	239.1
2.5°	239.1	236.9	235.8	233.6	231.5	229.3	229.3	229.3	228.2	227.1	228.2
5°	243.5	242.4	236.9	232.5	228.2	226.0	223.8	222.7	222.7	220.5	220.5
7.5°	255.5	251.1	243.5	235.8	231.5	227.1	223.8	222.7	221.6	219.4	219.4
10°	274.0	268.6	259.8	247.8	240.2	232.5	229.3	229.3	228.2	227.1	227.1
12.5°	309.0	302.4	287.1	270.8	255.5	244.6	242.4	245.6	252.2	253.3	253.3
15°	360.3	352.6	333.0	306.8	282.8	267.5	269.7	278.4	287.1	290.4	290.4
17.5°	423.6	414.9	386.5	348.3	316.6	302.4	301.3	313.3	325.3	331.9	331.9
20°	508.8	494.6	457.4	402.9	359.2	342.8	336.3	347.2	365.7	373.4	371.2
22.5°	614.7	598.3	545.9	462.9	408.3	378.8	370.1	382.1	405.0	414.9	413.8
25°	754.4	738.0	652.9	538.2	456.4	410.5	405.0	422.5	456.4	476.0	473.8
27.5°	917.1	889.8	776.2	622.3	503.3	436.7	437.8	467.3	502.2	524.0	521.9
30°	1090.7	1055.7	900.7	703.1	547.0	466.2	464.0	498.9	535.0	557.9	557.9
32.5°	1319.9	1268.6	1044.8	780.6	580.8	489.1	481.5	520.8	557.9	581.9	580.8
35°	1565.6	1496.8	1195.5	862.5	609.2	501.1	492.4	532.8	571.0	599.4	599.4
37.5°	1847.3	1730.4	1336.3	919.3	628.9	507.7	495.7	541.5	588.5	617.9	615.8
40°	1995.7	1864.7	1404.0	944.4	632.1	508.8	501.1	549.2	588.5	599.4	593.9
42.5°	2161.7	1992.5	1432.4	913.8	620.1	506.6	504.4	541.5	559.0	555.7	552.4
45°	2371.3	2143.1	1459.7	875.6	591.7	503.3	498.9	520.8	521.9	508.8	504.4
47.5°	2638.8	2350.6	1504.5	829.7	563.4	495.7	490.2	500.0	481.5	457.4	449.8
50°	2925.9	2590.8	1560.1	790.4	537.1	485.8	480.4	477.1	458.5	434.5	430.2
52.5°	3175.9	2753.4	1575.4	749.0	519.7	479.3	472.7	469.5	452.0	424.7	419.2
55°	3399.8	2892.1	1521.9	686.7	505.5	474.9	472.7	472.7	454.2	425.8	420.3
57.5°	3841.9	3224.0	1541.6	623.4	486.9	473.8	477.1	478.2	460.7	433.4	428.0
60°	3855.0	3160.7	1426.9	578.6	470.6	473.8	481.5	483.7	471.6	453.1	449.8
62.5°	3980.6	3162.8	1273.0	520.8	459.6	471.6	484.7	492.4	493.5	482.6	480.4
65°	4026.4	3117.0	1161.6	474.9	444.3	466.2	485.8	504.4	510.9	505.5	503.3
67.5°	3850.7	2906.3	1009.9	444.3	429.1	457.4	484.7	507.7	521.9	525.1	525.1
70°	3619.2	2669.4	874.5	414.9	412.7	445.4	477.1	507.7	527.3	536.1	536.1
72.5°	3031.8	2192.3	721.7	384.3	390.9	426.9	460.7	497.8	519.7	527.3	524.0
75°	2536.2	1804.7	593.9	358.1	369.0	404.0	437.8	473.8	489.1	493.5	490.2
77.5°	2145.3	1501.2	488.0	334.1	342.8	374.5	405.0	430.2	440.0	437.8	432.3
80°	1729.4	1171.5	400.7	304.6	313.3	338.4	360.3	379.9	389.8	384.3	381.0
82.5°	1376.7	931.3	341.7	278.4	281.7	302.4	317.7	333.0	349.4	345.0	336.3
85°	1018.6	685.6	290.4	250.0	250.0	265.3	272.9	287.1	310.1	309.0	305.7
87.5°	696.5	488.0	246.7	221.6	220.5	229.3	233.6	248.9	278.4	279.5	276.2
90°	458.5	334.1	206.3	192.2	190.0	196.5	199.8	212.9	236.9	239.1	234.7
92.5°	298.1	231.5	169.2	162.7	161.6	167.0	165.9	174.7	191.1	190.0	186.7
95°	191.1	161.6	137.6	134.3	131.0	137.6	135.4	137.6	146.3	144.1	144.1
97.5°	132.1	123.4	113.5	108.1	105.9	112.5	110.3	110.3	114.6	110.3	108.1
100°	101.5	98.3	93.9	89.5	85.2	90.6	90.6	90.6	93.9	87.3	85.2
102.5°	78.6	77.5	77.5	74.2	71.0	75.3	76.4	77.5	76.4	69.9	68.8
105°	62.2	62.2	64.4	61.1	60.0	63.3	64.4	63.3	63.3	57.9	57.9
107.5°	49.1	51.3	53.5	51.3	51.3	53.5	53.5	53.5	51.3	48.0	49.1
110°	40.4	42.6	45.9	43.7	43.7	45.9	44.8	43.7	42.6	41.5	41.5



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.9	36.0	38.2	37.1	38.2	39.3	38.2	36.0	36.0	36.0	37.1
115°	29.5	31.7	33.8	32.8	32.8	33.8	31.7	30.6	30.6	31.7	31.7
117.5°	26.2	28.4	29.5	29.5	28.4	29.5	27.3	26.2	27.3	28.4	28.4
120°	24.0	25.1	26.2	26.2	25.1	25.1	24.0	22.9	24.0	25.1	26.2
122.5°	21.8	22.9	22.9	24.0	22.9	21.8	20.7	20.7	21.8	22.9	22.9
125°	19.7	20.7	20.7	20.7	20.7	19.7	18.6	18.6	19.7	20.7	21.8
127.5°	17.5	18.6	18.6	19.7	18.6	17.5	16.4	17.5	18.6	19.7	19.7
130°	17.5	17.5	17.5	17.5	16.4	15.3	15.3	15.3	17.5	18.6	18.6
132.5°	16.4	17.5	16.4	16.4	15.3	13.1	13.1	14.2	16.4	17.5	17.5
135°	15.3	15.3	14.2	14.2	13.1	12.0	10.9	13.1	14.2	15.3	15.3
137.5°	13.1	13.1	12.0	10.9	10.9	9.8	9.8	10.9	13.1	14.2	14.2
140°	9.8	10.9	9.8	8.7	8.7	7.6	8.7	9.8	12.0	12.0	12.0
142.5°	7.6	8.7	7.6	6.6	6.6	6.6	6.6	8.7	10.9	10.9	10.9
145°	6.6	6.6	6.6	5.5	4.4	4.4	5.5	7.6	9.8	9.8	9.8
147.5°	5.5	5.5	5.5	4.4	3.3	3.3	4.4	6.6	7.6	7.6	7.6
150°	4.4	4.4	4.4	4.4	3.3	2.2	3.3	5.5	6.6	6.6	6.6
152.5°	4.4	4.4	4.4	3.3	2.2	1.1	2.2	4.4	5.5	5.5	5.5
155°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	3.3	4.4	4.4	4.4
157.5°	3.3	3.3	3.3	2.2	1.1	0.0	1.1	3.3	4.4	3.3	3.3
160°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	2.2	3.3	2.2	2.2
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)