

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: P413807

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8970 lumens
Efficiency: N/A
Efficacy: 93.4 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

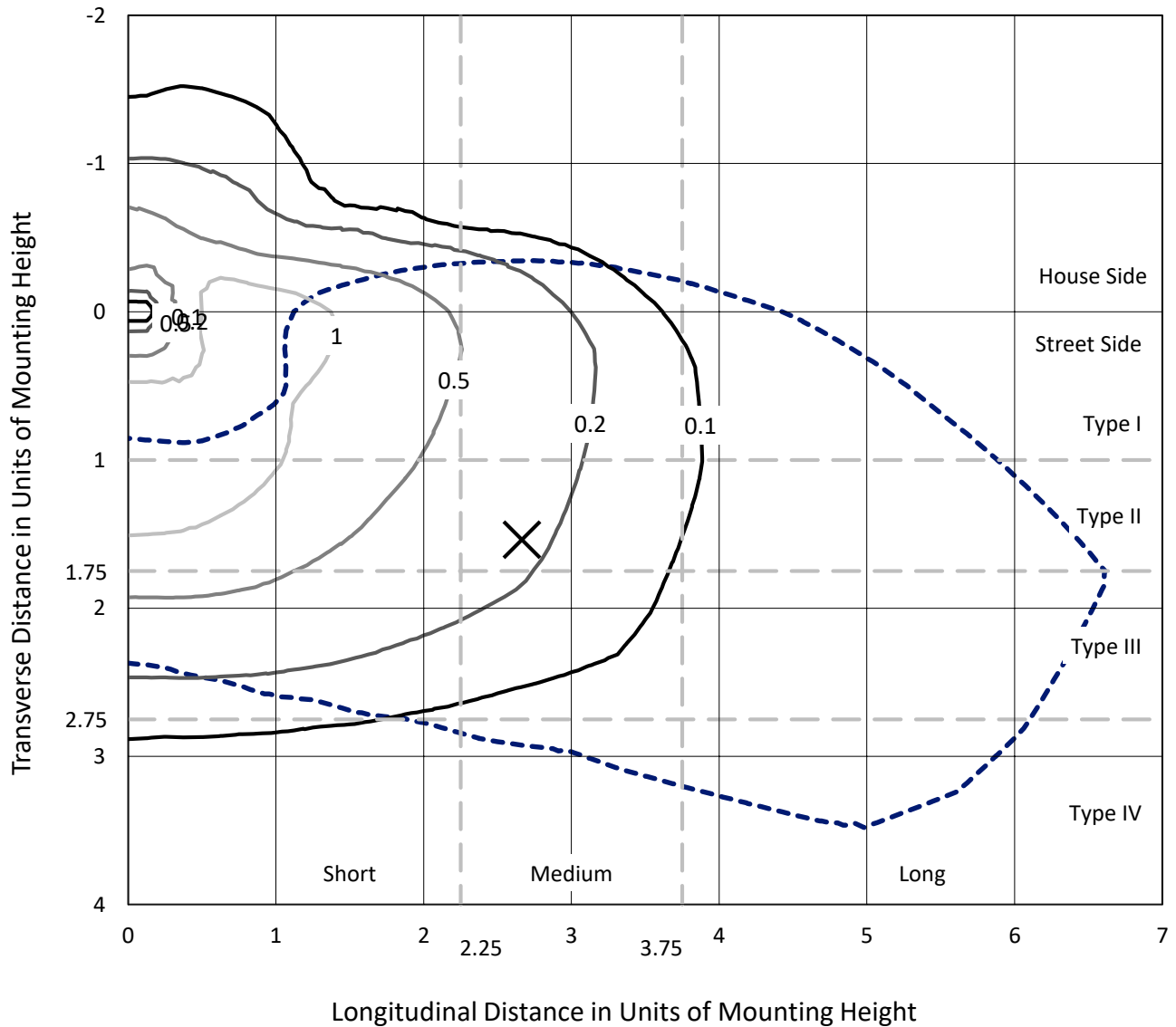




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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

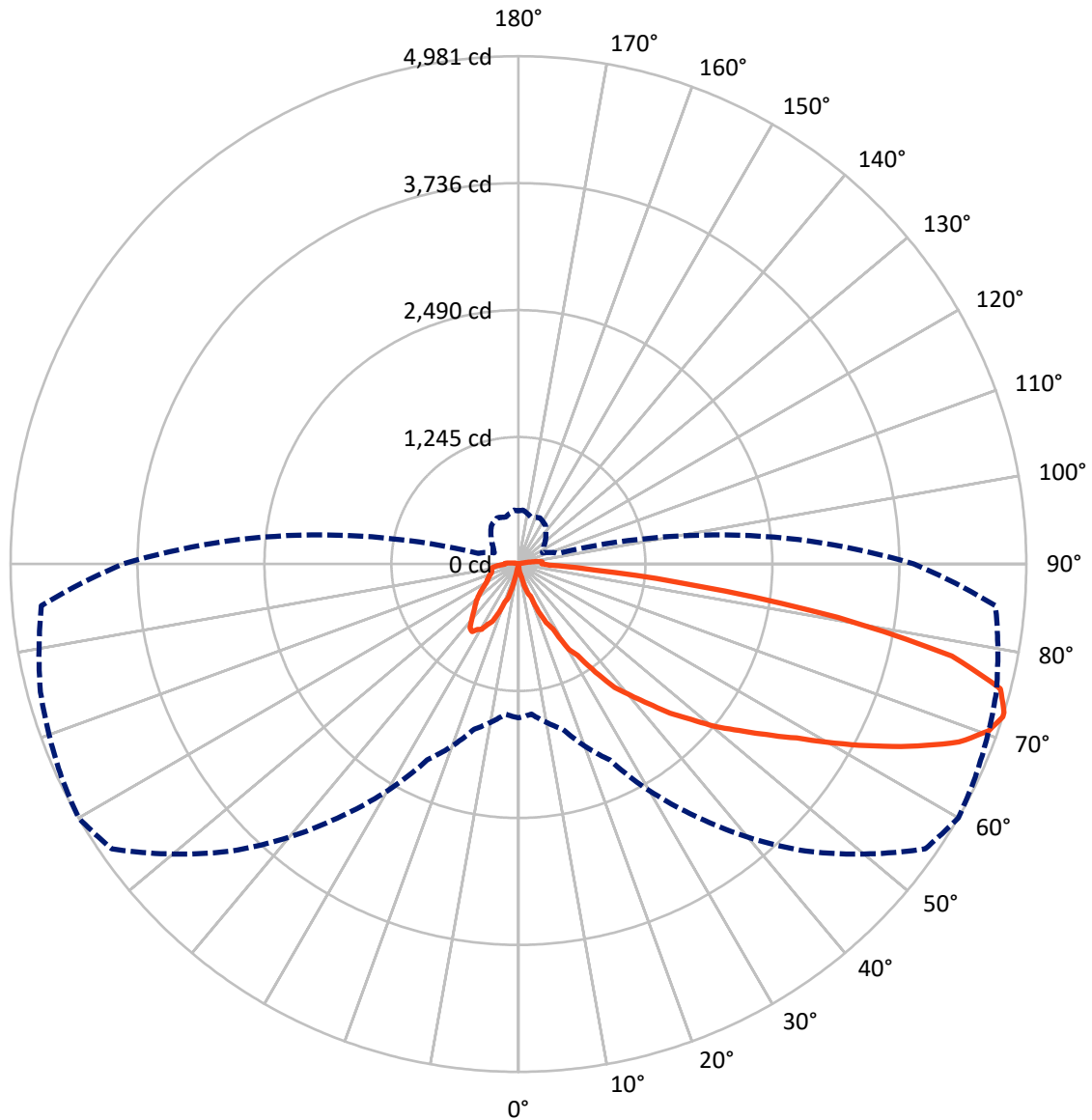


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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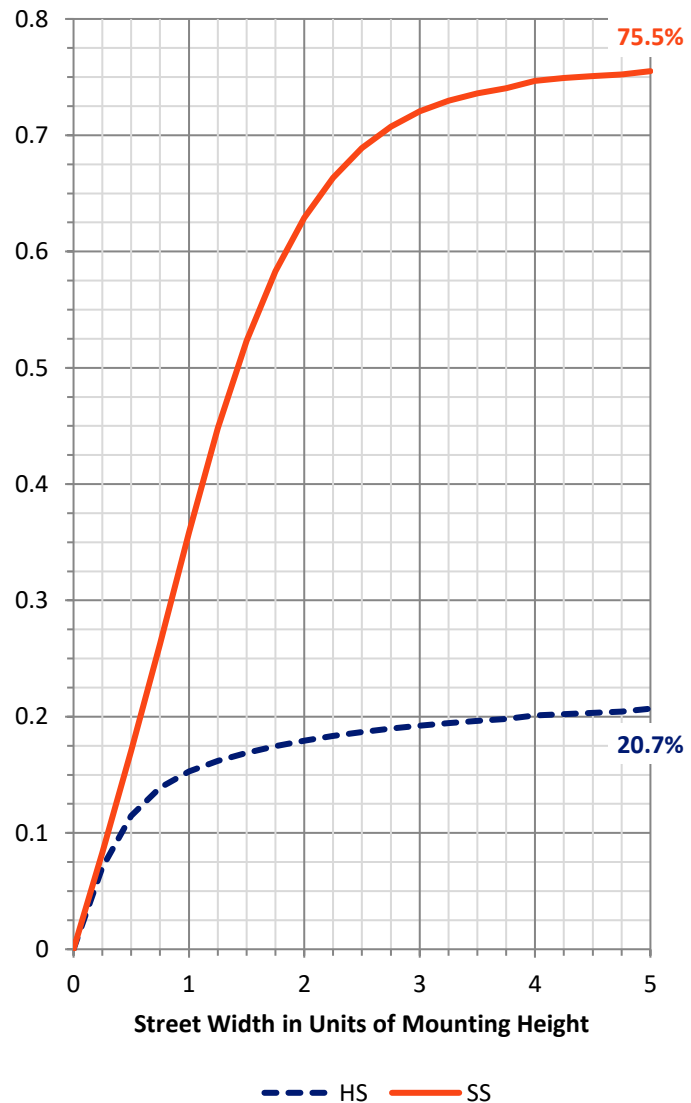
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1960.4	95.7	2056.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6829.9	84.0	6913.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	8790.3	179.7	8970.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	73.4	0.8
20°-30°	305.8	3.4
30°-40°	706.5	7.9
40°-50°	1240.5	13.8
50°-60°	1875.0	20.9
60°-70°	2311.8	25.8
70°-80°	1784.9	19.9
80°-90°	487.6	5.4
90°-100°	132.4	1.5
100°-110°	22.9	0.3
110°-120°	8.9	0.1
120°-130°	6.3	0.1
130°-140°	4.2	0.0
140°-150°	3.4	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8790.3	98.0
0°-180°	8970.0	100.0

Coefficient of Utilization



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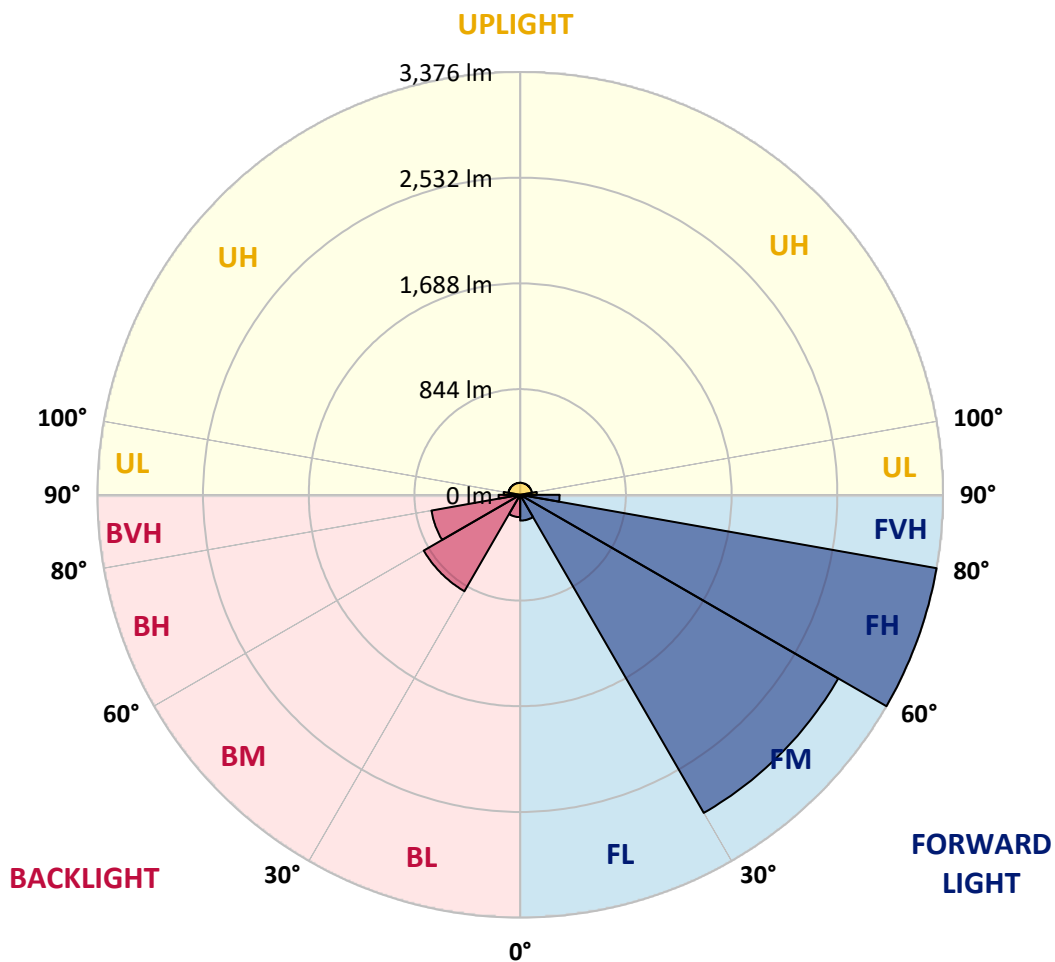
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.9	2.3			
FM	(30°-60°)	2932.8	32.7			
FH	(60°-80°)	3376.3	37.6			G2/5000
FVH	(80°-90°)	314.9	3.5			G3/500
BL	(0°-30°)	178.2	2.0	B1/500		
BM	(30°-60°)	889.2	9.9	B1/1000		
BH	(60°-80°)	720.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	172.7	1.9			G2/225
UL	(90°-100°)	132.4	1.5		U3/500	
UH	(100°-180°)	95.7	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	11.9	10.9	9.9	9.9	10.9	9.9	8.9	8.0	7.0	7.0	6.0
5°	111.4	108.4	107.4	86.5	39.8	30.8	13.9	10.9	8.9	7.0	6.0
7.5°	123.3	122.3	121.3	121.3	119.3	113.4	64.6	31.8	17.9	8.9	8.0
10°	141.2	139.2	133.2	130.3	127.3	125.3	116.3	110.4	49.7	14.9	12.9
12.5°	251.6	247.6	241.6	179.0	153.1	135.2	132.3	127.3	110.4	45.7	92.5
15°	270.5	269.5	265.5	262.5	254.6	169.0	204.8	233.7	264.5	215.8	240.6
17.5°	340.1	330.1	304.3	289.4	284.4	310.2	296.3	301.3	301.3	290.4	275.4
20°	508.1	501.2	488.2	430.6	324.2	399.7	391.8	333.1	343.1	424.6	493.2
22.5°	612.5	605.6	578.7	541.9	535.0	444.5	462.4	505.1	517.1	595.6	594.6
25°	831.3	818.4	760.7	652.3	666.2	573.8	645.3	635.4	604.6	656.3	674.2
27.5°	1015.3	1004.3	976.5	921.8	772.6	802.5	733.8	720.9	803.5	948.6	945.6
30°	1218.1	1158.4	1083.9	1067.0	956.6	909.8	927.7	970.5	1001.3	1015.3	1050.1
32.5°	1477.6	1470.7	1415.0	1195.2	1160.4	1040.1	1125.6	1067.0	1090.8	1291.7	1411.0
35°	1657.6	1675.5	1577.1	1445.8	1280.7	1277.8	1242.0	1300.6	1415.0	1442.8	1525.4
37.5°	2077.2	2082.2	1993.7	1618.8	1511.4	1408.0	1519.4	1535.3	1567.1	1614.9	1684.5
40°	2393.5	2348.7	2239.3	1960.9	1727.2	1614.9	1694.4	1692.4	1762.0	1849.5	1893.3
42.5°	2783.2	2733.5	2537.6	2222.4	2003.7	1879.4	1887.3	1870.4	1928.1	2066.3	2093.2
45°	3110.4	3088.5	2937.4	2605.3	2308.9	2159.8	2106.1	2085.2	2114.0	2288.0	2303.0
47.5°	3419.6	3361.0	3262.5	2926.4	2752.4	2481.0	2326.8	2277.1	2286.1	2483.9	2527.7
50°	3746.8	3648.3	3527.0	3231.7	3105.4	2884.7	2580.4	2502.8	2505.8	2688.8	2763.4
52.5°	3940.7	3784.6	3706.0	3461.4	3334.1	3223.8	2845.9	2711.6	2725.6	2898.6	3011.9
55°	3820.4	3773.6	3775.6	3629.5	3535.0	3405.7	3103.4	2953.3	2969.2	3172.0	3314.2
57.5°	3617.5	3653.3	3779.6	3773.6	3720.9	3594.7	3360.0	3219.8	3311.3	3481.3	3631.4
60°	3461.4	3502.2	3707.0	3812.4	3910.9	3818.4	3625.5	3564.8	3650.3	3798.5	3978.5
62.5°	3200.9	3233.7	3515.1	3793.5	3905.9	4009.3	3878.0	3932.7	4011.3	4136.6	4355.3
65°	2844.9	2836.9	3187.0	3620.5	3873.1	4115.7	4203.2	4303.6	4375.2	4509.5	4708.3
67.5°	2424.3	2464.1	2758.4	3247.6	3744.8	4169.4	4476.7	4660.6	4705.4	4757.1	4900.3
70°	1979.8	1977.8	2235.3	2755.4	3469.4	4139.6	4736.2	4895.3	4896.3	4865.5	4908.2
72°	1509.5	1477.6	1676.5	2120.0	3012.9	3979.5	4869.4	4980.8	4944.0	4852.5	4696.4
72.5°	1295.7	1324.5	1511.4	1996.7	2808.1	3899.9	4883.4	4979.8	4940.0	4839.6	4632.8
75°	657.3	615.5	721.9	1069.9	1937.0	3151.2	4782.9	4882.4	4771.0	4645.7	4062.0
77.5°	257.5	264.5	306.3	462.4	942.7	2075.3	4128.6	4345.4	4273.8	4185.3	3203.9
80°	181.0	181.0	204.8	263.5	483.3	843.2	2860.8	3176.0	3286.4	3330.1	2142.9
82.5°	131.3	133.2	156.1	184.0	345.0	404.7	1405.0	1765.0	1939.0	2102.1	1198.2
85°	122.3	122.3	125.3	123.3	246.6	288.4	511.1	753.7	871.1	1021.2	484.3
87.5°	57.7	62.6	92.5	73.6	121.3	178.0	278.4	302.3	309.2	351.0	348.0
90°	37.8	37.8	30.8	31.8	59.7	144.2	223.7	228.7	219.8	257.5	324.2
92.5°	38.8	39.8	28.8	29.8	46.7	132.3	229.7	233.7	226.7	270.5	344.1
95°	35.8	35.8	24.9	25.9	36.8	101.4	229.7	233.7	213.8	269.5	344.1
97.5°	29.8	30.8	19.9	20.9	28.8	49.7	159.1	171.0	136.2	137.2	168.0
100°	25.9	25.9	15.9	16.9	20.9	22.9	80.5	84.5	75.6	33.8	22.9
102.5°	25.9	25.9	13.9	13.9	13.9	12.9	24.9	41.8	34.8	19.9	21.9
105°	24.9	25.9	12.9	10.9	10.9	9.9	12.9	15.9	15.9	15.9	22.9
107.5°	19.9	20.9	9.9	9.9	8.9	8.9	7.0	7.0	9.9	14.9	24.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	15.9	15.9	8.0	8.9	7.0	8.0	6.0	6.0	8.9	10.9	18.9
112.5°	8.9	8.9	6.0	7.0	6.0	7.0	6.0	6.0	7.0	8.9	11.9
115°	8.0	8.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	12.9
117.5°	8.0	8.0	5.0	5.0	5.0	4.0	4.0	5.0	5.0	8.0	12.9
120°	8.0	8.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	8.0	12.9
122.5°	8.9	8.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	12.9
125°	8.9	8.0	6.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	10.9
127.5°	8.9	8.9	6.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	9.9
130°	8.9	8.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	8.9
132.5°	8.0	8.0	6.0	4.0	5.0	4.0	4.0	4.0	4.0	5.0	7.0
135°	7.0	7.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	6.0
137.5°	7.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0
140°	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	5.0	5.0
142.5°	8.0	8.0	7.0	6.0	6.0	5.0	4.0	4.0	5.0	5.0	5.0
145°	8.9	8.9	8.0	7.0	6.0	4.0	4.0	5.0	5.0	5.0	6.0
147.5°	8.9	8.9	8.0	6.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0
150°	8.0	8.0	7.0	5.0	4.0	3.0	4.0	4.0	5.0	6.0	6.0
152.5°	6.0	6.0	5.0	4.0	3.0	2.0	3.0	4.0	4.0	5.0	6.0
155°	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	5.0
157.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0
160°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
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°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	8.0	8.9
5°	6.0	6.0	6.0	6.0	7.0	8.0	8.9	9.9	10.9	11.9	11.9
7.5°	7.0	7.0	7.0	8.0	8.9	10.9	24.9	87.5	119.3	130.3	127.3
10°	12.9	12.9	11.9	11.9	13.9	116.3	148.2	161.1	168.0	176.0	176.0
12.5°	103.4	119.3	42.8	23.9	115.3	163.1	175.0	184.0	189.9	197.9	197.9
15°	249.6	253.6	260.5	234.7	226.7	185.0	192.9	261.5	344.1	365.9	367.9
17.5°	280.4	285.4	290.4	344.1	365.9	283.4	326.2	366.9	374.9	382.8	382.8
20°	535.0	542.9	440.5	394.8	385.8	480.3	368.9	378.9	392.8	463.4	470.3
22.5°	606.6	611.5	572.8	597.6	437.5	502.2	485.3	485.3	542.9	546.9	547.9
25°	680.1	708.0	634.4	614.5	622.5	508.1	572.8	517.1	525.0	531.0	532.0
27.5°	992.4	988.4	928.7	703.0	624.5	615.5	555.9	510.1	596.6	619.5	620.5
30°	1055.0	1045.1	991.4	823.3	648.3	609.5	524.0	589.7	573.8	576.7	577.7
32.5°	1450.8	1434.9	1282.7	833.3	677.2	562.8	568.8	548.9	550.9	612.5	614.5
35°	1550.2	1528.3	1314.6	963.5	645.3	570.8	526.0	550.9	560.8	557.8	557.8
37.5°	1683.5	1641.7	1304.6	905.9	671.2	534.0	503.2	520.1	514.1	551.9	549.9
40°	1828.6	1770.0	1309.6	840.2	608.6	501.2	482.3	497.2	493.2	482.3	474.3
42.5°	2013.6	1912.2	1308.6	785.6	550.9	490.2	455.4	454.4	437.5	419.6	413.7
45°	2202.5	2062.3	1312.6	722.9	507.1	481.3	440.5	416.6	401.7	382.8	377.9
47.5°	2409.4	2222.4	1324.5	673.2	473.3	454.4	421.6	392.8	381.8	358.0	356.0
50°	2654.0	2390.5	1328.5	633.4	433.5	430.6	407.7	375.9	359.0	335.1	333.1
52.5°	2917.5	2568.5	1335.4	574.7	402.7	421.6	415.6	371.9	364.9	334.1	332.1
55°	3167.1	2737.5	1333.5	504.1	388.8	413.7	415.6	397.7	386.8	336.1	332.1
57.5°	3467.4	2920.5	1303.6	438.5	366.9	401.7	435.5	420.6	408.7	366.9	359.0
60°	3735.9	3109.4	1215.1	387.8	348.0	388.8	452.4	437.5	403.7	376.9	368.9
62.5°	4050.1	3272.5	1091.8	351.0	341.1	392.8	458.4	448.5	406.7	397.7	394.8
65°	4262.9	3334.1	904.9	321.2	340.1	392.8	456.4	458.4	428.6	437.5	436.5
67.5°	4288.7	3254.6	686.1	298.3	328.1	392.8	453.4	478.3	448.5	485.3	487.2
70°	4164.4	3055.7	500.2	275.4	315.2	387.8	454.4	491.2	463.4	521.1	517.1
72°	3878.0	2754.4	404.7	260.5	304.3	379.8	461.4	498.2	476.3	530.0	521.1
72.5°	3803.5	2661.9	386.8	258.5	302.3	378.9	463.4	500.2	477.3	538.9	528.0
75°	3183.0	2120.0	332.1	243.6	305.3	373.9	473.3	499.2	483.3	544.9	546.9
77.5°	2411.3	1428.9	294.3	230.7	304.3	364.9	470.3	491.2	474.3	524.0	535.0
80°	1492.6	831.3	261.5	229.7	302.3	361.0	457.4	470.3	449.5	489.2	492.2
82.5°	816.4	486.2	226.7	225.7	293.3	350.0	432.6	446.5	426.6	470.3	439.5
85°	417.6	330.1	170.0	185.0	256.5	329.1	403.7	402.7	382.8	398.7	376.9
87.5°	322.2	259.5	110.4	133.2	209.8	271.5	332.1	329.1	303.3	305.3	296.3
90°	296.3	231.7	72.6	94.5	175.0	194.9	230.7	221.7	203.8	207.8	204.8
92.5°	298.3	228.7	69.6	100.4	168.0	175.0	211.8	200.9	183.0	185.0	179.0
95°	291.4	219.8	69.6	88.5	139.2	124.3	152.1	148.2	133.2	126.3	123.3
97.5°	139.2	109.4	64.6	65.6	78.6	67.6	92.5	99.4	79.5	63.6	63.6
100°	23.9	36.8	56.7	66.6	56.7	42.8	58.7	67.6	45.7	20.9	22.9
102.5°	23.9	22.9	43.8	56.7	40.8	22.9	33.8	44.7	28.8	15.9	16.9
105°	25.9	23.9	20.9	38.8	23.9	11.9	12.9	22.9	15.9	15.9	15.9
107.5°	27.8	25.9	14.9	14.9	11.9	10.9	9.9	8.9	10.9	15.9	16.9



REPORT NUMBER: P413807

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.9	20.9	13.9	11.9	10.9	10.9	8.0	8.0	10.9	16.9	16.9
112.5°	14.9	14.9	11.9	9.9	8.9	10.9	8.0	8.0	9.9	16.9	17.9
115°	14.9	14.9	10.9	8.9	8.0	8.9	8.0	7.0	9.9	16.9	17.9
117.5°	14.9	14.9	10.9	8.0	7.0	7.0	6.0	7.0	9.9	16.9	17.9
120°	14.9	14.9	10.9	8.0	7.0	6.0	6.0	6.0	9.9	16.9	17.9
122.5°	13.9	13.9	9.9	7.0	6.0	5.0	5.0	6.0	8.9	15.9	16.9
125°	12.9	12.9	8.9	7.0	6.0	5.0	5.0	5.0	8.9	14.9	15.9
127.5°	11.9	11.9	8.9	6.0	5.0	5.0	5.0	5.0	8.0	13.9	14.9
130°	9.9	9.9	8.0	6.0	5.0	4.0	5.0	5.0	8.0	12.9	12.9
132.5°	8.0	8.0	6.0	5.0	5.0	4.0	4.0	5.0	7.0	10.9	11.9
135°	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	6.0	8.9	9.9
137.5°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	6.0	8.0	8.0
140°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	6.0	7.0	8.0
142.5°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0	6.0	8.0	8.0
145°	6.0	6.0	6.0	5.0	5.0	3.0	3.0	5.0	6.0	8.0	8.0
147.5°	6.0	6.0	6.0	5.0	4.0	3.0	3.0	4.0	6.0	8.0	8.0
150°	6.0	6.0	6.0	5.0	4.0	2.0	2.0	4.0	5.0	7.0	8.0
152.5°	6.0	6.0	5.0	5.0	3.0	2.0	1.0	3.0	4.0	6.0	6.0
155°	5.0	5.0	5.0	4.0	3.0	1.0	0.0	1.0	3.0	5.0	5.0
157.5°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	1.0	1.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0
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)