

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: P414049

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7681 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

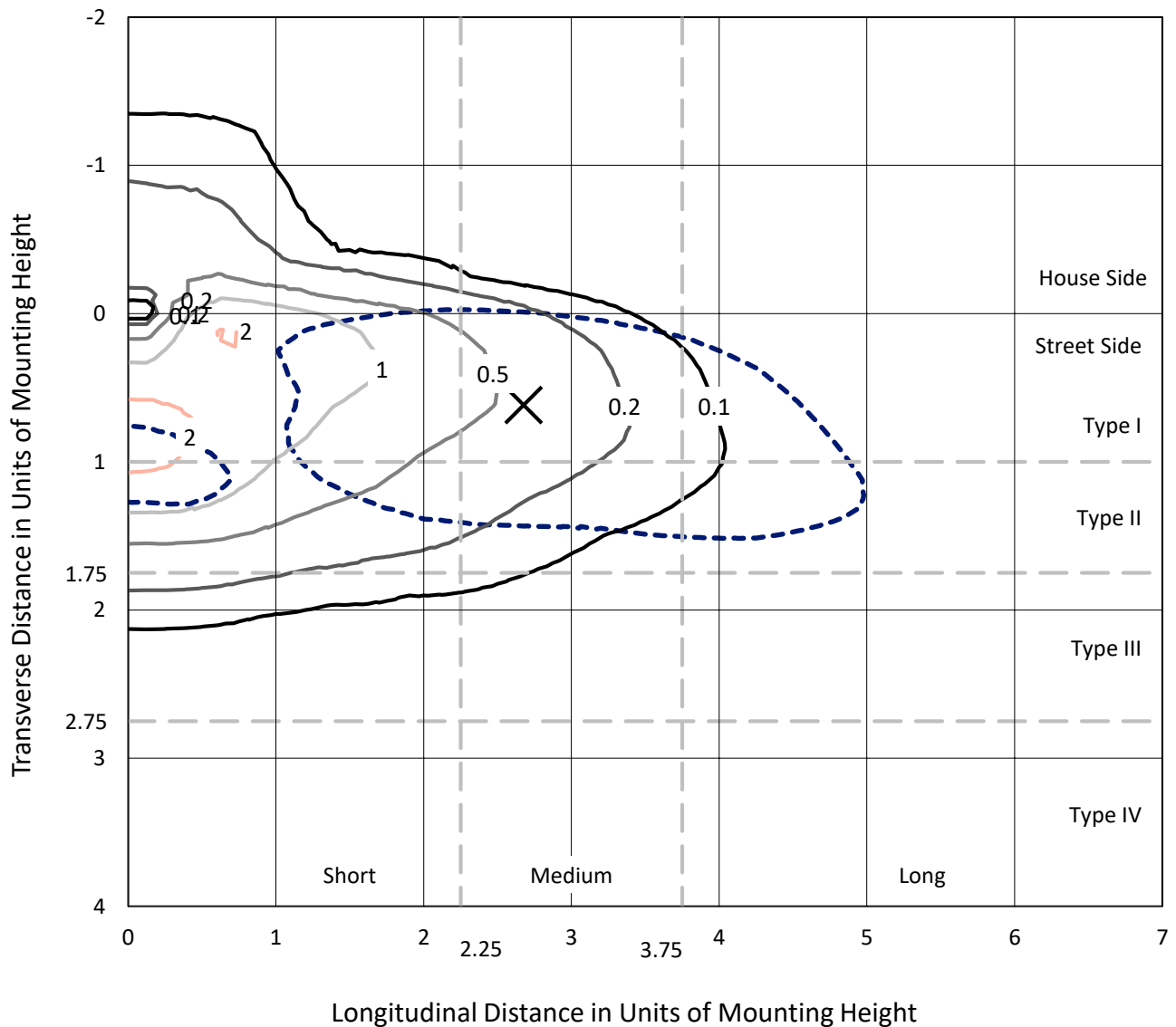
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

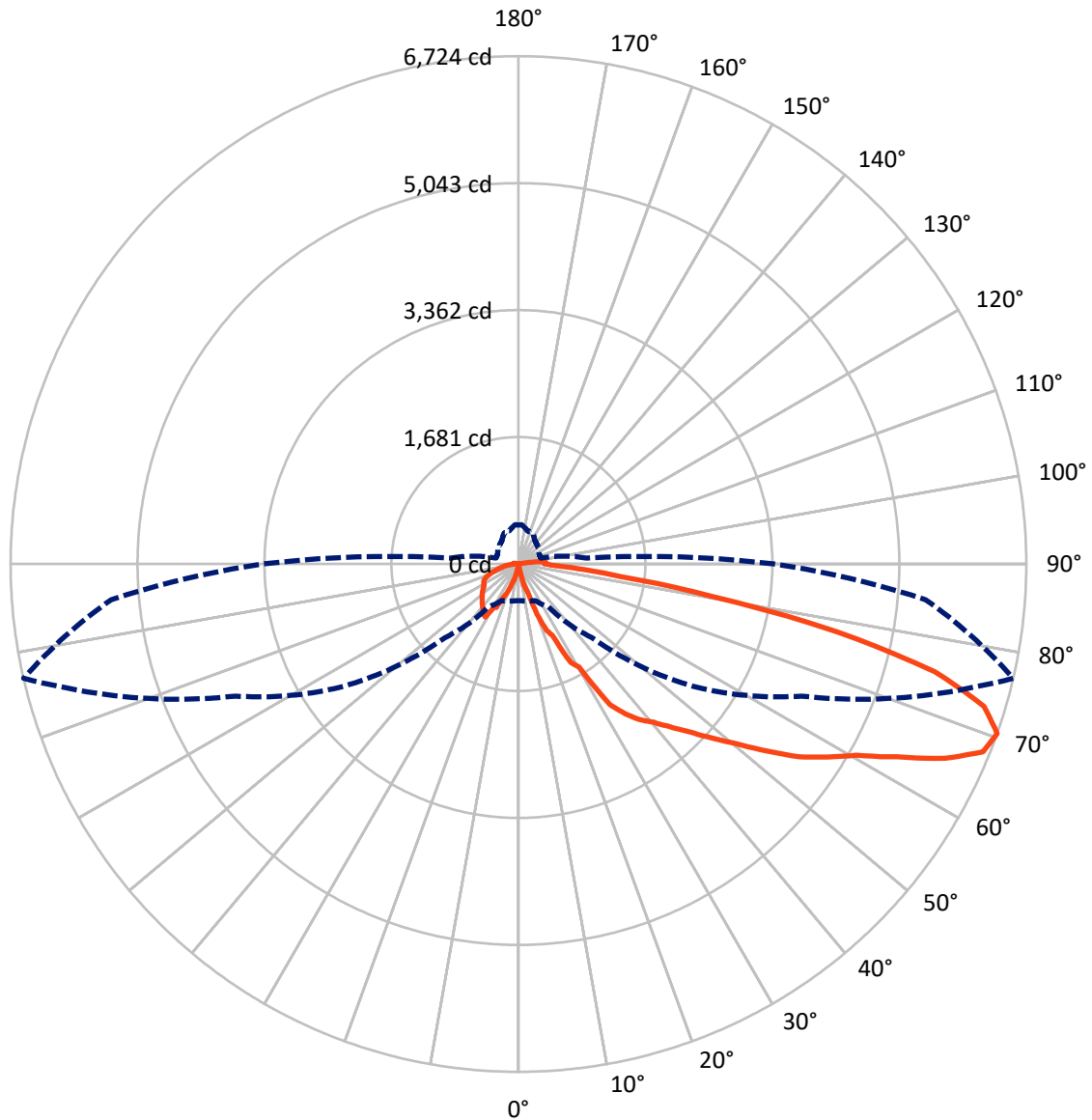
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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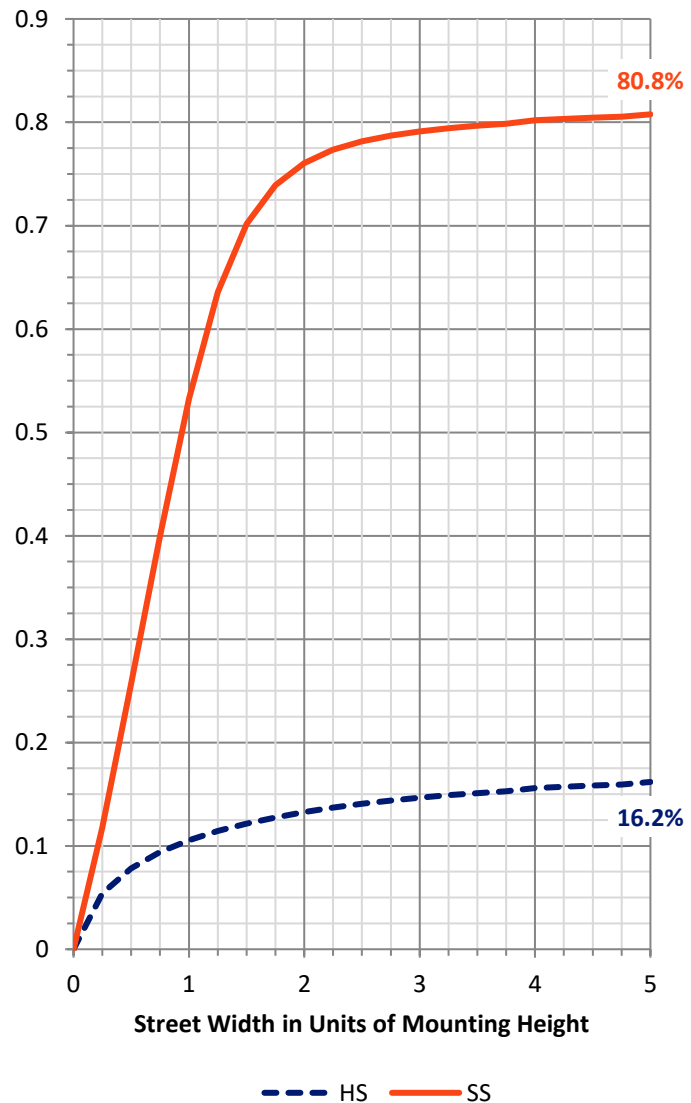
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1299.1	57.0	1356.1
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6253.9	70.9	6324.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	7553.1	127.9	7681.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	91.4	1.2
20°-30°	362.0	4.7
30°-40°	874.2	11.4
40°-50°	1413.9	18.4
50°-60°	1691.1	22.0
60°-70°	1653.8	21.5
70°-80°	1143.2	14.9
80°-90°	317.3	4.1
90°-100°	83.5	1.1
100°-110°	17.1	0.2
110°-120°	9.1	0.1
120°-130°	7.3	0.1
130°-140°	5.0	0.1
140°-150°	4.1	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7553.1	98.3
0°-180°	7681.0	100.0

Coefficient of Utilization



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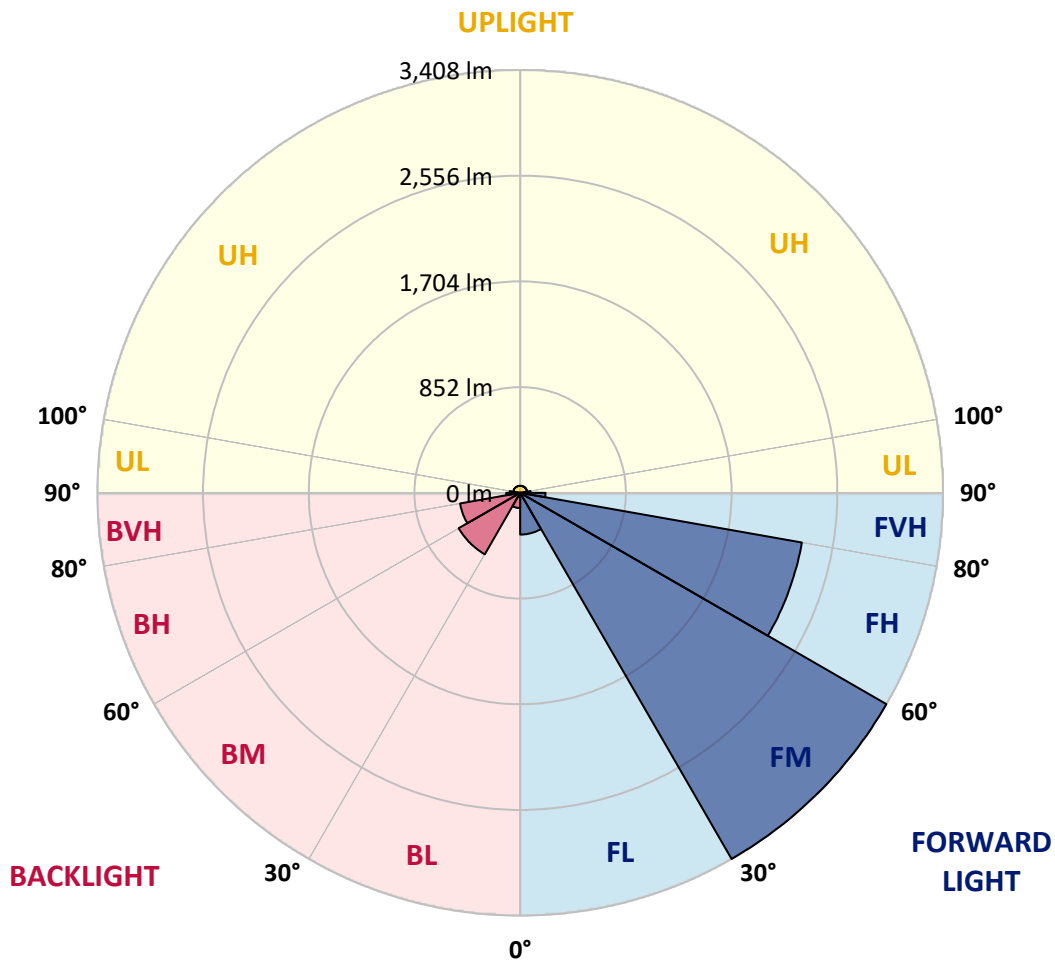
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.5	4.4			
FM	(30°-60°)	3407.8	44.4			
FH	(60°-80°)	2305.2	30.0			G2/5000
FVH	(80°-90°)	204.4	2.7			G2/225
BL	(0°-30°)	123.0	1.6	B1/500		
BM	(30°-60°)	571.4	7.4	B1/1000		
BH	(60°-80°)	491.8	6.4	B1/500		G1/500
BVH	(80°-90°)	112.9	1.5			G2/225
UL	(90°-100°)	83.5	1.1		U3/500	
UH	(100°-180°)	57.0	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	9.5	8.7	8.7	9.5	11.3	10.4	7.8	6.1	5.2	5.2	5.2
5°	188.2	182.2	177.8	125.8	27.8	16.5	10.4	7.8	6.1	6.1	5.2
7.5°	224.7	221.2	219.5	213.4	206.5	192.6	34.7	11.3	6.9	6.9	6.1
10°	254.2	251.6	248.1	244.6	235.1	225.5	206.5	28.6	11.3	11.3	9.5
12.5°	517.9	510.1	503.1	357.4	265.5	255.0	236.8	162.2	123.2	118.8	143.1
15°	531.8	531.8	531.8	536.1	528.3	284.5	387.8	485.8	321.0	310.6	321.0
17.5°	566.5	561.3	552.6	555.2	565.6	628.1	578.6	540.5	427.7	380.0	369.6
20°	847.5	843.2	845.8	784.2	602.9	791.2	786.0	609.0	694.9	704.4	686.2
22.5°	904.8	903.9	901.3	897.9	1030.6	839.7	903.9	957.7	970.7	951.6	789.4
25°	1283.9	1274.4	1159.0	976.8	1104.3	1010.6	1205.8	1061.8	1080.9	1047.1	1000.2
27.5°	1466.9	1447.0	1427.0	1372.4	1185.9	1350.7	1283.0	1400.1	1569.3	1479.1	1272.6
30°	1935.4	1946.7	1624.0	1605.7	1466.9	1432.2	1571.0	1645.6	1647.4	1581.4	1428.8
32.5°	2383.0	2352.7	2277.2	1952.7	1747.1	1604.0	1821.7	1752.3	2155.7	2218.2	1937.1
35°	2822.0	2763.0	2541.8	2321.4	2038.6	1977.0	1951.9	2193.9	2346.6	2435.9	2095.9
37.5°	3447.4	3404.9	3193.3	2617.2	2350.1	2128.0	2288.5	2335.3	2578.2	2616.4	2312.7
40°	3677.3	3648.7	3472.6	3020.6	2593.8	2375.2	2439.4	2505.3	2808.1	2755.2	2475.8
42.5°	3842.1	3831.7	3691.2	3231.4	2911.3	2620.7	2613.8	2647.6	3044.1	2946.9	2638.9
45°	3968.8	3954.1	3870.8	3366.8	3061.4	2772.5	2802.0	2822.8	3251.4	3166.4	2825.4
47.5°	3944.5	3950.6	3961.9	3535.1	3150.8	2920.9	2994.6	2973.8	3420.5	3440.5	3034.5
50°	3758.0	3770.1	3853.4	3602.7	3201.9	3042.3	3161.2	3142.1	3656.5	3739.8	3275.7
52.5°	3203.7	3223.6	3532.5	3497.8	3247.0	3137.7	3332.1	3336.4	3932.4	4109.3	3583.6
55°	2345.7	2421.2	2796.8	3149.9	3197.6	3168.1	3446.6	3582.8	4249.9	4504.9	3858.6
57.5°	1886.8	1871.2	2130.6	2645.0	2953.0	3130.8	3567.2	3802.2	4539.6	4822.4	4133.6
60°	1464.3	1469.5	1661.3	2029.9	2524.4	3038.8	3690.3	4000.0	4896.2	5141.7	4470.2
62.5°	1090.4	1100.9	1239.7	1460.0	2035.2	2782.1	3728.5	4247.3	5391.5	5624.0	4877.1
65°	792.0	809.4	884.8	1020.2	1470.4	2396.9	3612.3	4432.0	5940.6	6205.2	5311.7
67.5°	595.1	604.6	648.9	731.3	1050.5	1902.4	3325.1	4420.8	6216.5	6632.9	5498.2
70°	484.1	488.4	504.9	534.4	689.7	1379.3	2821.1	4136.2	6275.5	6724.0	5411.5
72.5°	411.2	409.5	410.3	414.7	476.3	943.0	2179.2	3603.6	6049.9	6447.2	5020.2
75°	351.3	348.7	348.7	344.4	367.8	661.9	1500.8	2908.7	5450.5	5696.9	4229.1
77.5°	299.3	294.9	294.1	285.4	295.8	492.7	994.2	2166.1	4312.3	4316.7	2998.1
80°	255.0	247.2	243.8	237.7	249.8	375.6	648.9	1413.2	2638.1	2595.6	1663.9
82.5°	188.2	188.2	193.5	195.2	215.1	278.5	458.0	840.6	1440.0	1362.8	964.7
85°	108.4	118.0	139.7	142.3	164.8	184.8	344.4	497.9	805.9	777.3	494.5
87.5°	39.9	38.2	58.1	61.6	69.4	69.4	187.4	273.3	422.5	439.8	389.5
90°	33.0	33.0	22.6	20.8	26.9	45.1	126.7	191.7	317.5	340.9	367.8
92.5°	34.7	34.7	22.6	20.0	25.2	39.9	106.7	181.3	333.1	365.2	380.0
95°	33.0	33.8	20.0	18.2	23.4	33.8	79.8	155.3	320.1	350.5	371.3
97.5°	28.6	29.5	16.5	15.6	20.8	24.3	43.4	77.2	159.6	165.7	171.8
100°	23.4	23.4	12.1	13.0	16.5	16.5	22.6	40.8	39.0	32.1	27.8
102.5°	20.0	21.7	11.3	10.4	12.1	10.4	10.4	15.6	23.4	20.0	26.9
105°	16.5	18.2	9.5	8.7	9.5	8.7	6.9	11.3	17.3	20.0	28.6
107.5°	11.3	12.1	6.9	7.8	7.8	7.8	5.2	8.7	16.5	19.1	29.5
110°	7.8	7.8	5.2	6.9	6.9	7.8	5.2	8.7	13.0	14.7	23.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.2	5.2	4.3	5.2	6.1	6.1	5.2	7.8	11.3	12.1	16.5
115°	4.3	4.3	3.5	4.3	5.2	5.2	4.3	6.9	11.3	13.0	17.3
117.5°	5.2	4.3	3.5	4.3	5.2	4.3	4.3	6.1	11.3	13.0	17.3
120°	5.2	5.2	4.3	4.3	4.3	4.3	4.3	6.1	11.3	13.0	17.3
122.5°	6.1	5.2	4.3	4.3	4.3	4.3	4.3	5.2	10.4	12.1	16.5
125°	6.1	6.1	4.3	4.3	5.2	4.3	4.3	5.2	10.4	11.3	15.6
127.5°	6.9	6.1	5.2	4.3	5.2	4.3	4.3	5.2	9.5	10.4	13.9
130°	6.9	6.9	5.2	4.3	5.2	4.3	4.3	4.3	7.8	8.7	12.1
132.5°	6.9	6.9	6.1	5.2	6.1	5.2	4.3	4.3	6.1	6.9	9.5
135°	7.8	6.9	6.9	6.1	6.9	6.1	4.3	4.3	4.3	5.2	6.9
137.5°	7.8	7.8	7.8	6.9	7.8	6.1	4.3	4.3	4.3	4.3	5.2
140°	9.5	9.5	8.7	7.8	8.7	6.9	5.2	4.3	4.3	4.3	5.2
142.5°	11.3	11.3	10.4	9.5	8.7	6.9	6.1	5.2	5.2	5.2	5.2
145°	13.0	12.1	12.1	10.4	8.7	6.9	6.1	6.1	6.1	6.1	6.1
147.5°	13.0	13.0	12.1	9.5	7.8	5.2	5.2	6.9	6.9	6.9	6.9
150°	12.1	12.1	10.4	8.7	6.1	4.3	4.3	6.1	6.9	6.9	6.9
152.5°	9.5	8.7	7.8	5.2	4.3	2.6	3.5	4.3	5.2	5.2	6.1
155°	6.1	5.2	4.3	3.5	3.5	2.6	2.6	3.5	3.5	3.5	4.3
157.5°	2.6	2.6	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
160°	0.9	0.9	0.9	0.9	2.6	2.6	2.6	1.7	1.7	1.7	1.7
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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	5.2	5.2	5.2	5.2	5.2	4.3	5.2	6.1	6.9	6.9	6.9
5°	5.2	5.2	5.2	6.1	6.1	5.2	6.1	7.8	8.7	8.7	8.7
7.5°	6.1	5.2	6.1	6.9	6.9	6.9	30.4	87.6	97.2	98.9	100.6
10°	8.7	8.7	8.7	9.5	10.4	91.1	107.6	112.8	116.2	118.8	119.7
12.5°	131.9	115.4	72.0	19.1	92.0	112.8	118.8	127.5	131.9	137.1	135.3
15°	295.8	262.0	196.9	168.3	164.8	125.8	131.9	219.5	243.8	248.1	247.2
17.5°	334.9	288.0	219.5	234.2	243.8	189.1	222.1	245.5	249.8	254.2	253.3
20°	622.9	496.2	297.6	257.6	255.0	319.2	236.8	244.6	253.3	298.4	303.6
22.5°	691.4	570.8	389.5	377.4	308.0	324.4	308.8	313.2	340.1	340.1	338.3
25°	865.8	690.5	439.8	385.2	391.2	322.7	362.6	313.2	318.4	318.4	319.2
27.5°	1126.0	887.5	583.8	429.4	386.9	390.4	344.4	317.5	363.5	368.7	371.3
30°	1205.0	921.3	577.8	479.7	404.3	379.1	321.8	355.7	342.7	342.7	340.1
32.5°	1683.8	1257.0	719.2	469.3	414.7	352.2	356.5	334.9	328.8	355.7	355.7
35°	1778.4	1294.3	694.0	528.3	398.2	367.0	339.2	344.4	333.1	331.4	328.8
37.5°	1886.8	1320.3	637.6	496.2	420.7	352.2	350.5	337.5	322.7	343.5	347.0
40°	1990.0	1345.5	592.5	458.0	388.6	350.5	343.5	336.6	305.4	305.4	304.5
42.5°	2106.3	1362.0	551.7	427.7	357.4	351.3	332.3	310.6	289.7	295.8	294.1
45°	2226.9	1372.4	510.1	393.8	329.6	363.5	333.1	323.6	307.1	309.7	307.1
47.5°	2375.2	1389.7	473.7	360.9	312.3	333.1	314.9	310.6	320.1	311.4	316.6
50°	2533.1	1399.3	439.8	332.3	294.9	323.6	326.2	313.2	320.1	305.4	304.5
52.5°	2722.2	1407.9	403.4	313.2	292.3	321.8	341.8	327.9	315.8	296.7	294.9
55°	2888.8	1380.2	372.2	301.0	309.7	318.4	354.8	338.3	313.2	291.5	292.3
57.5°	3070.1	1344.6	347.0	295.8	306.2	312.3	373.0	353.1	324.4	325.3	326.2
60°	3257.5	1310.8	331.4	294.9	301.9	314.9	375.6	373.0	339.2	347.0	353.1
62.5°	3481.3	1283.9	328.8	301.0	317.5	328.8	378.2	405.1	375.6	379.1	380.8
65°	3656.5	1205.8	326.2	304.5	323.6	331.4	379.1	427.7	414.7	434.6	432.9
67.5°	3602.7	1061.8	321.8	308.0	327.9	345.3	378.2	444.2	442.4	488.4	484.1
70°	3383.2	902.2	308.0	303.6	329.6	352.2	379.1	448.5	456.3	521.4	517.0
72.5°	3013.7	727.8	282.8	291.5	330.5	360.9	390.4	449.4	458.0	550.0	537.0
75°	2521.8	588.2	245.5	263.7	340.9	366.1	393.0	440.7	440.7	527.4	511.0
77.5°	1814.8	452.8	211.7	239.4	337.5	362.6	385.2	420.7	414.7	456.3	440.7
80°	1057.5	334.0	180.4	235.1	316.6	355.7	363.5	371.3	342.7	352.2	342.7
82.5°	635.0	247.2	156.1	210.8	278.5	320.1	326.2	313.2	275.0	274.1	261.1
85°	380.8	169.2	114.5	163.1	219.5	267.2	274.1	237.7	202.1	222.9	199.5
87.5°	281.1	106.7	78.9	101.5	133.6	124.9	163.1	153.5	131.0	125.8	124.1
90°	253.3	81.5	65.1	82.4	90.2	77.2	83.3	83.3	67.7	66.8	63.3
92.5°	250.7	76.3	69.4	80.7	72.9	61.6	67.7	66.8	53.8	51.2	48.6
95°	234.2	68.5	69.4	72.9	64.2	50.3	54.7	51.2	38.2	35.6	33.0
97.5°	110.2	47.7	65.9	63.3	52.9	39.0	45.1	39.0	26.9	23.4	23.4
100°	26.0	40.8	56.4	57.3	42.5	29.5	31.2	25.2	17.3	14.7	14.7
102.5°	26.0	18.2	34.7	45.1	26.0	12.1	17.3	16.5	13.0	13.0	13.9
105°	26.0	17.3	17.3	29.5	15.6	7.8	7.8	10.4	11.3	14.7	16.5
107.5°	26.9	18.2	13.9	13.9	11.3	7.8	6.9	7.8	11.3	17.3	18.2
110°	22.6	16.5	13.0	12.1	11.3	7.8	6.1	7.8	11.3	19.1	20.8



REPORT NUMBER: P414049

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	14.7	11.3	11.3	9.5	7.8	6.1	6.9	12.1	20.8	22.6
115°	16.5	13.9	10.4	9.5	7.8	6.9	6.1	6.9	13.0	22.6	24.3
117.5°	17.3	13.9	9.5	8.7	6.9	5.2	5.2	6.9	13.0	23.4	25.2
120°	17.3	13.9	9.5	8.7	6.9	5.2	5.2	7.8	13.9	22.6	24.3
122.5°	16.5	13.9	9.5	8.7	6.9	4.3	5.2	6.9	13.0	21.7	23.4
125°	14.7	13.0	9.5	7.8	6.9	4.3	5.2	6.9	13.0	20.8	21.7
127.5°	13.9	12.1	8.7	7.8	6.1	4.3	5.2	6.9	12.1	19.1	20.0
130°	12.1	11.3	7.8	6.9	6.1	4.3	5.2	6.9	12.1	17.3	18.2
132.5°	9.5	8.7	6.9	6.1	6.1	4.3	5.2	6.1	9.5	14.7	15.6
135°	6.9	6.9	6.1	6.1	6.1	4.3	5.2	5.2	7.8	11.3	12.1
137.5°	5.2	5.2	5.2	6.1	5.2	4.3	4.3	5.2	6.9	8.7	9.5
140°	5.2	5.2	5.2	6.1	5.2	4.3	4.3	5.2	6.1	6.9	7.8
142.5°	5.2	5.2	5.2	6.1	5.2	3.5	4.3	5.2	6.1	6.9	6.9
145°	6.1	6.1	6.1	6.1	5.2	3.5	3.5	5.2	6.1	6.9	6.9
147.5°	6.9	6.9	6.1	6.1	5.2	2.6	2.6	5.2	6.1	6.9	6.9
150°	6.9	6.9	6.1	6.1	4.3	2.6	2.6	4.3	6.1	6.1	6.1
152.5°	5.2	5.2	5.2	5.2	4.3	1.7	1.7	3.5	5.2	5.2	5.2
155°	4.3	4.3	4.3	4.3	3.5	1.7	0.9	2.6	4.3	4.3	4.3
157.5°	2.6	3.5	3.5	4.3	3.5	1.7	0.9	1.7	3.5	3.5	3.5
160°	1.7	2.6	2.6	3.5	3.5	1.7	0.9	1.7	2.6	2.6	2.6
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)