

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: P414455

Luminaire Tested: **LXF.LXT-PA1-20-830-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2043 lumens
Efficiency: N/A
Efficacy: 97.3 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: B1 - U2 - G2

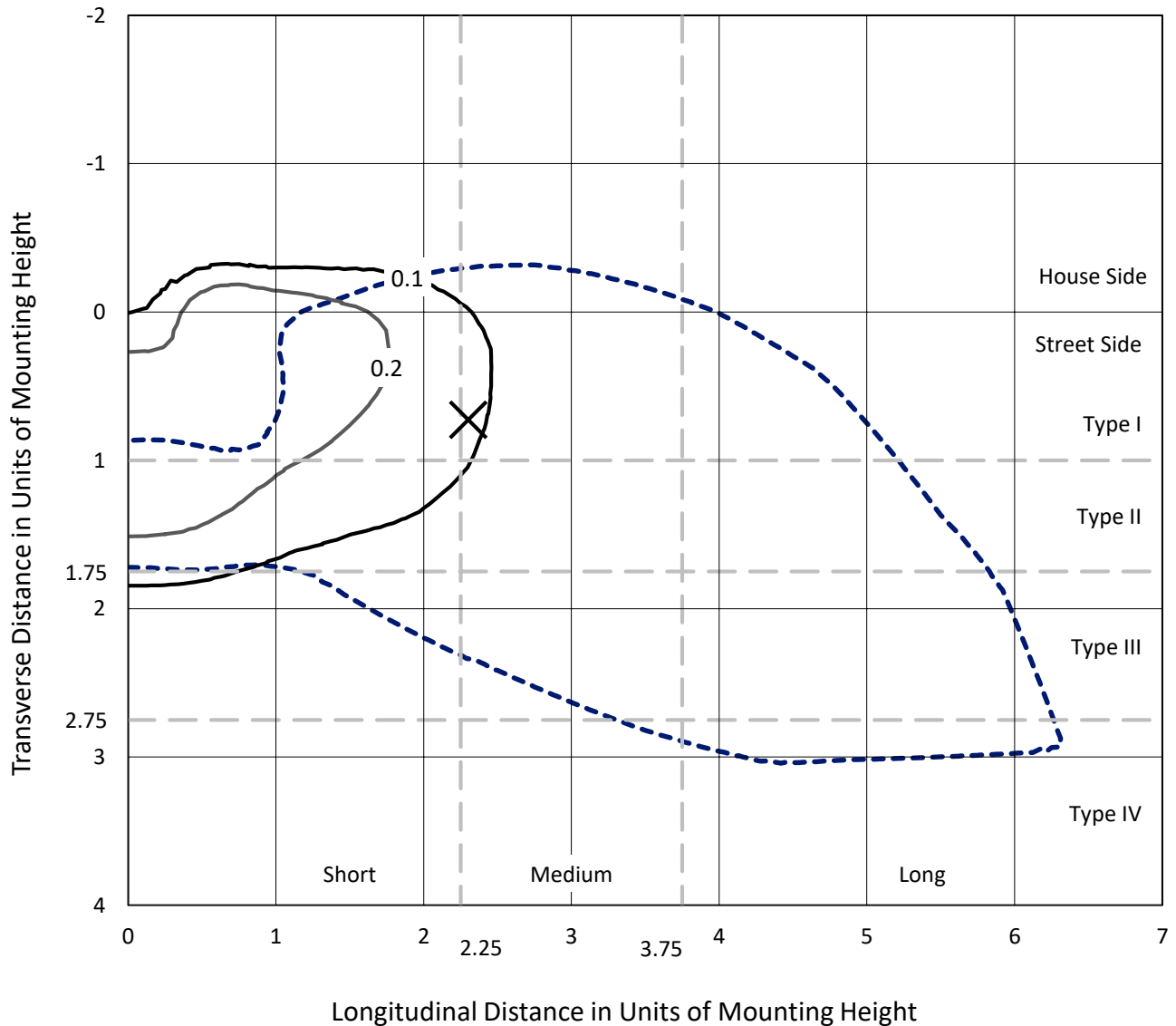
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

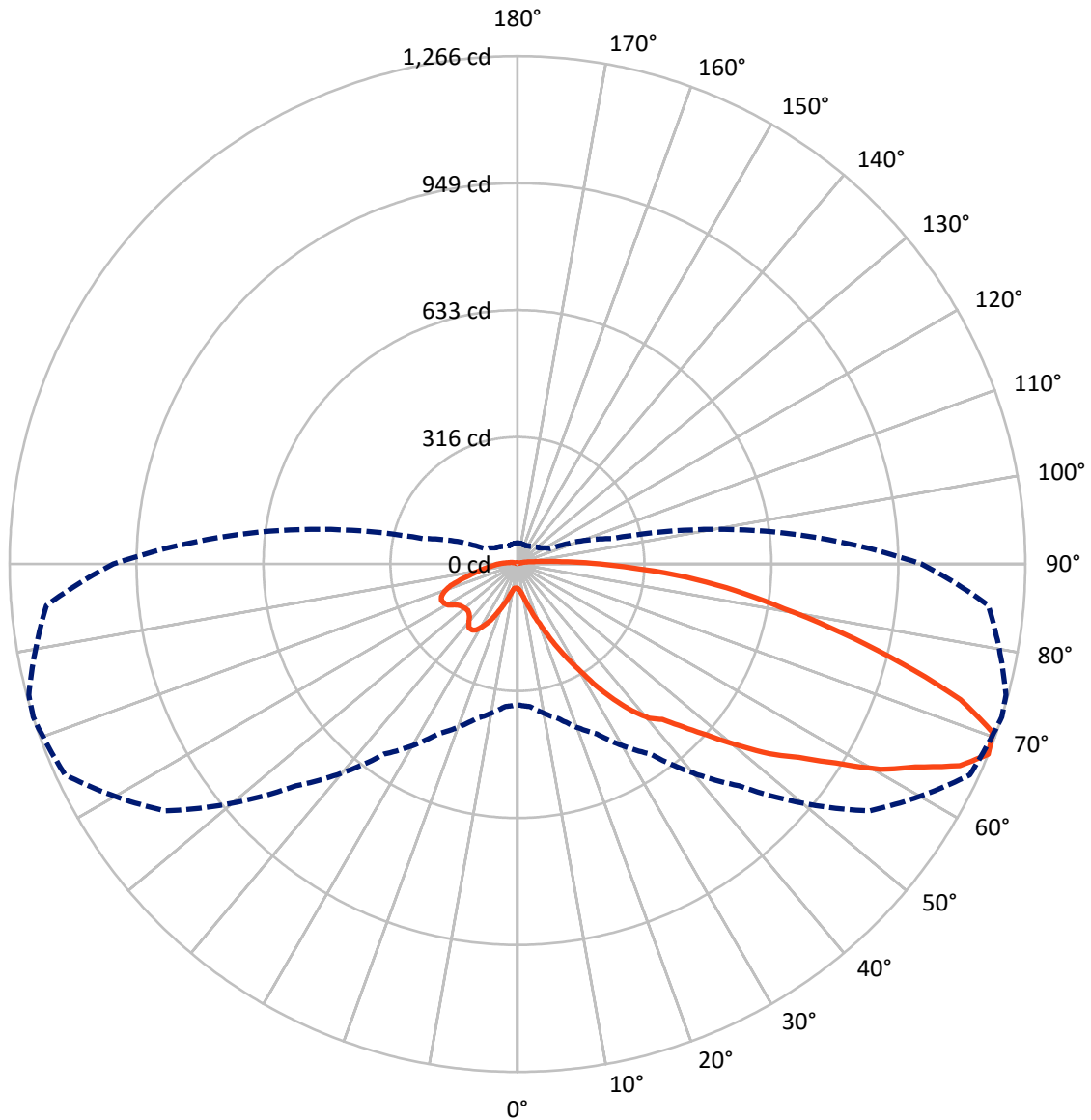
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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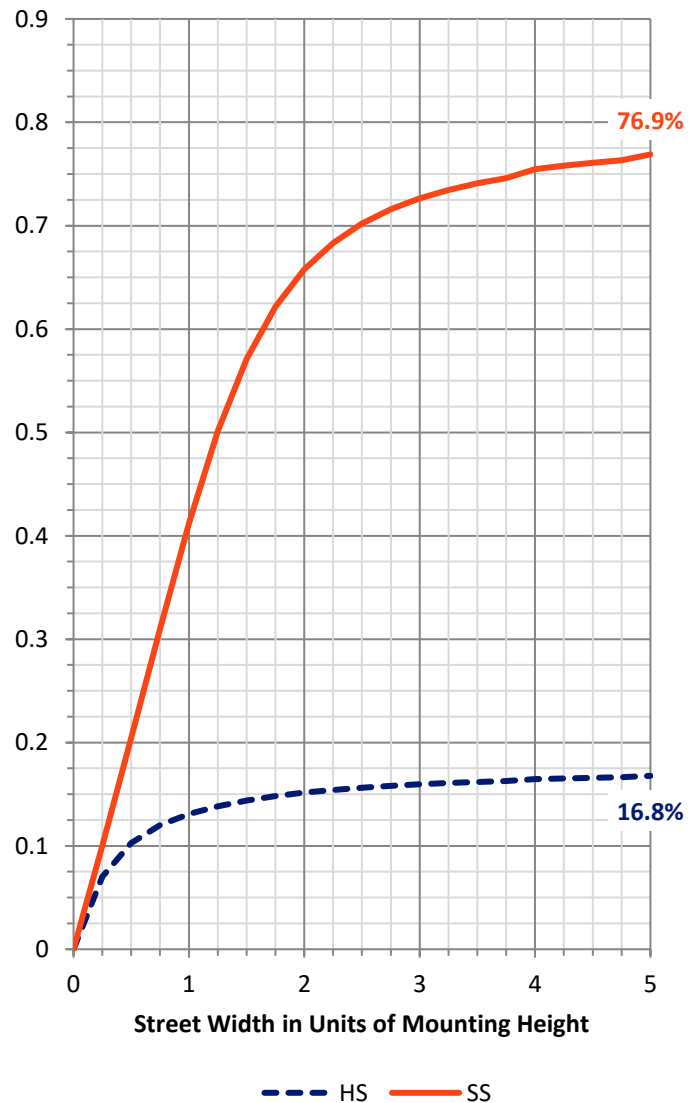
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.5	31.4	388.9
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	1609.7	44.4	1654.1
	% Fixture	78.8	2.2	81.0
Total	Lumens	1967.1	75.9	2043.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.3
10°-20°	27.6	1.3
20°-30°	76.4	3.7
30°-40°	164.3	8.0
40°-50°	278.1	13.6
50°-60°	408.0	20.0
60°-70°	486.6	23.8
70°-80°	363.4	17.8
80°-90°	156.5	7.7
90°-100°	45.4	2.2
100°-110°	14.8	0.7
110°-120°	6.9	0.3
120°-130°	4.2	0.2
130°-140°	2.7	0.1
140°-150°	1.2	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1967.1	96.3
0°-180°	2043.0	100.0



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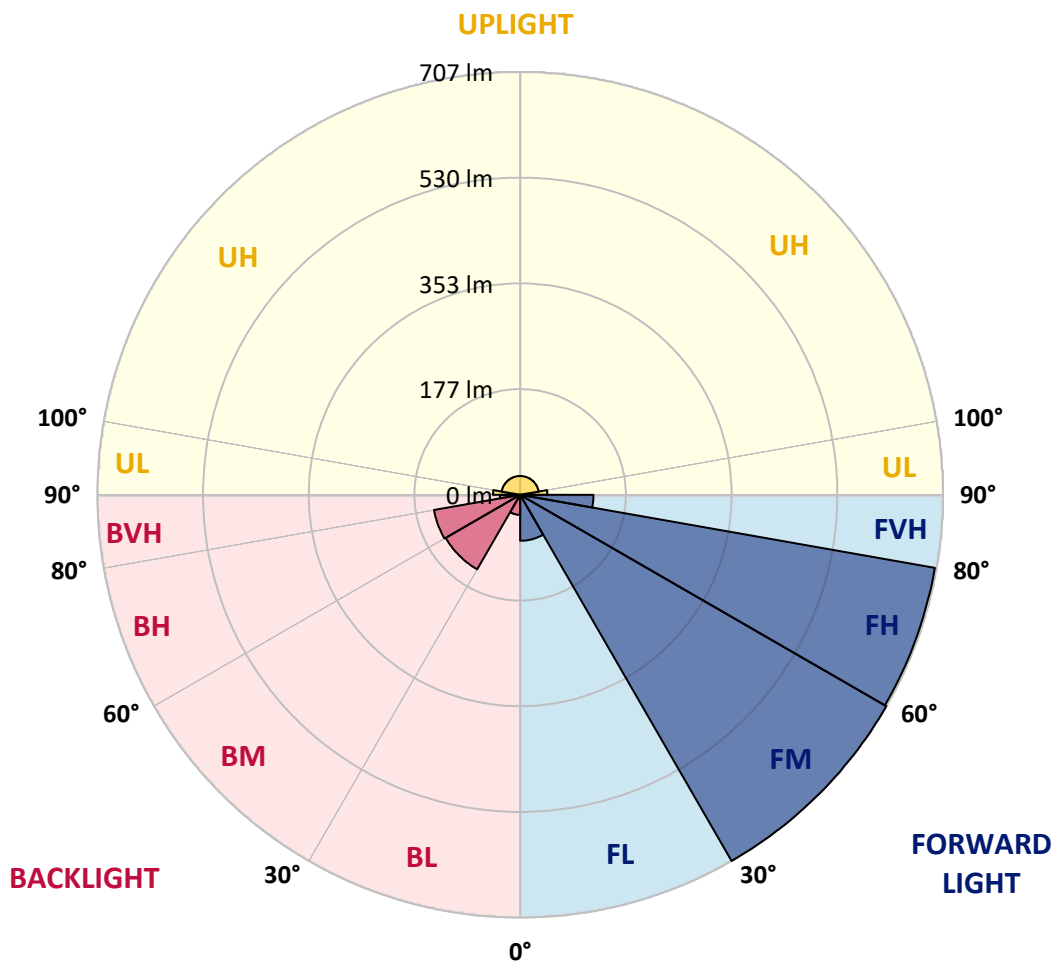
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.9	3.8			
FM	(30°-60°)	706.6	34.6			
FH	(60°-80°)	703.8	34.4			G1/1800
FVH	(80°-90°)	122.4	6.0			G2/225
BL	(0°-30°)	33.5	1.6	B0/110		
BM	(30°-60°)	143.7	7.0	B0/220		
BH	(60°-80°)	146.1	7.2	B1/500		G1/500
BVH	(80°-90°)	34.1	1.7			G1/100
UL	(90°-100°)	45.4	2.2		U2/50	
UH	(100°-180°)	31.4	1.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	67.1	67.5	68.0	67.8	67.5	66.8	65.6	64.4	63.2	63.2	62.3
5°	76.6	76.4	76.2	76.4	75.2	73.5	71.6	69.5	67.8	67.3	64.9
7.5°	87.7	87.2	87.7	86.2	84.6	82.4	79.5	76.6	73.8	73.3	69.5
10°	100.8	100.4	100.1	98.9	95.8	92.7	89.8	85.3	83.1	82.4	77.4
12.5°	117.4	117.1	115.7	113.3	109.2	106.1	102.0	99.6	97.5	95.8	90.8
15°	136.3	136.8	135.1	130.1	125.0	120.2	118.3	116.4	114.7	114.0	109.7
17.5°	162.9	161.9	158.1	150.4	142.3	138.4	136.8	135.6	137.3	136.8	130.1
20°	195.7	193.3	187.3	174.1	164.1	157.9	156.4	158.6	159.5	161.9	157.4
22.5°	234.3	231.1	221.1	206.2	191.6	179.9	178.4	184.9	190.9	191.6	189.7
25°	271.9	269.0	260.1	240.7	221.1	205.5	202.2	216.5	228.5	230.7	233.3
27.5°	310.4	309.0	296.1	275.0	253.4	233.8	233.3	248.9	267.6	272.6	277.1
30°	354.3	357.6	341.3	314.7	287.7	264.9	263.7	286.7	309.7	320.5	328.2
32.5°	416.1	413.2	392.8	363.1	322.9	296.3	298.0	324.8	363.6	372.7	382.8
35°	487.0	487.9	460.1	413.9	366.5	333.7	332.5	369.8	414.9	422.5	439.3
37.5°	545.2	550.0	529.4	476.2	415.3	372.9	374.6	416.5	464.0	479.3	493.9
40°	607.7	612.0	588.0	536.3	468.5	416.3	418.7	459.4	504.7	517.1	520.7
42.5°	676.0	680.3	651.3	590.0	513.3	468.5	459.2	490.3	529.8	545.4	548.5
45°	739.9	747.3	718.1	646.0	563.4	515.5	501.3	526.5	578.2	592.6	596.0
47.5°	759.5	768.4	755.7	696.8	611.3	555.9	546.6	581.6	637.4	658.7	654.4
50°	778.5	786.6	779.0	726.7	651.0	602.9	605.1	645.8	709.0	736.3	733.0
52.5°	781.3	789.7	781.8	745.2	685.1	650.3	674.3	722.4	785.2	805.1	800.3
55°	786.1	791.6	784.5	743.0	709.7	700.9	746.1	801.0	850.8	874.5	866.6
57.5°	719.5	721.7	747.8	736.8	715.0	756.9	827.1	876.7	935.4	970.8	966.7
60°	623.7	628.3	660.6	686.0	711.4	796.9	906.6	981.6	1039.1	1062.3	1040.3
62.5°	544.9	550.0	584.0	616.5	681.0	814.6	989.7	1075.5	1113.3	1134.4	1108.3
65°	439.1	442.9	484.3	548.3	631.4	807.7	1052.0	1173.2	1211.3	1219.7	1169.1
67.5°	350.9	356.7	398.8	467.1	578.2	781.3	1072.4	1243.6	1265.7	1260.6	1178.0
70°	261.1	264.0	315.5	402.2	515.2	723.9	1053.0	1259.4	1256.1	1249.6	1136.3
72.5°	179.9	179.4	227.8	312.3	449.6	658.2	962.7	1170.1	1154.3	1137.5	994.0
75°	116.2	122.6	152.8	227.1	363.6	563.4	845.8	1016.1	989.3	962.7	819.0
77.5°	78.3	82.9	107.3	162.6	277.9	473.8	727.9	872.6	827.8	803.6	661.1
80°	53.9	55.8	74.5	119.5	206.7	375.8	596.2	722.2	673.3	644.6	513.1
82.5°	37.8	39.3	52.0	88.1	155.7	280.7	475.9	600.7	549.5	528.6	398.6
85°	27.3	28.3	37.4	65.6	118.3	210.8	362.2	467.3	422.8	406.7	284.8
87.5°	20.4	21.3	28.3	48.6	91.0	160.2	270.2	334.6	286.7	265.9	179.9
90°	15.1	16.0	21.8	36.4	71.1	120.7	195.7	228.8	186.1	168.6	114.7
92.5°	11.3	12.0	16.3	26.6	54.4	92.5	138.0	144.7	110.2	100.4	72.3
95°	8.4	8.9	12.2	19.4	38.8	67.3	90.3	84.6	64.9	58.9	45.8
97.5°	6.9	7.2	9.6	14.9	27.3	47.2	58.0	52.0	41.9	39.0	31.6
100°	5.7	6.0	7.7	11.3	19.9	32.3	38.3	33.8	29.2	28.0	24.7
102.5°	5.0	5.3	6.5	9.3	14.9	23.2	26.6	24.2	21.6	20.6	19.2
105°	4.6	4.6	5.7	7.9	12.2	17.5	19.4	17.7	16.0	15.6	15.3
107.5°	4.1	4.1	5.0	6.9	10.1	13.7	14.6	13.2	11.7	11.5	12.2
110°	3.8	3.8	4.6	6.2	8.6	11.3	11.5	9.8	8.9	8.9	9.8



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	3.6	3.6	4.3	5.5	7.7	9.3	9.1	7.7	6.9	6.9	8.1
115°	3.6	3.6	4.1	5.3	6.7	7.9	7.4	6.2	5.7	5.7	6.9
117.5°	3.6	3.8	4.1	5.0	6.2	6.9	6.5	5.3	5.0	5.0	6.2
120°	3.8	3.8	4.1	5.0	5.7	6.0	5.5	4.6	4.3	4.6	5.7
122.5°	3.8	3.8	4.3	5.0	5.5	5.5	4.8	4.1	4.1	4.1	5.3
125°	4.1	4.1	4.3	5.0	5.3	5.0	4.3	3.8	3.8	4.1	4.8
127.5°	4.3	4.3	4.6	5.0	5.0	4.6	4.1	3.6	3.6	3.8	4.8
130°	4.8	4.8	4.8	5.0	4.6	4.1	3.6	3.4	3.6	3.8	4.8
132.5°	4.8	4.8	4.8	4.8	4.3	3.6	3.4	3.1	3.6	3.8	4.6
135°	4.3	4.3	4.3	4.3	3.8	3.1	2.9	2.9	3.4	3.6	4.3
137.5°	3.8	3.8	3.8	3.6	3.4	2.9	2.4	2.4	2.9	3.1	3.8
140°	3.4	3.4	3.1	3.1	2.9	2.4	2.2	2.2	2.4	2.6	3.1
142.5°	2.6	2.6	2.6	2.6	2.4	1.9	1.7	1.7	2.2	2.4	2.6
145°	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.4	1.7	1.9	2.2
147.5°	1.7	1.7	1.9	1.9	1.7	1.4	1.0	1.2	1.4	1.4	1.7
150°	1.4	1.4	1.4	1.7	1.2	1.0	0.7	1.0	1.2	1.2	1.4
152.5°	1.2	1.2	1.2	1.2	1.0	0.5	0.7	1.0	1.0	1.2	1.2
155°	0.7	0.7	1.0	1.0	0.7	0.5	0.7	0.7	1.0	1.0	1.2
157.5°	0.5	0.5	0.7	0.7	0.7	0.5	0.5	0.7	0.7	0.7	1.0
160°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
162.5°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
165°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
167.5°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
170°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
172.5°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
175°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
177.5°	0.0	0.2	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.7
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	61.6	61.1	60.1	59.2	58.2	57.2	57.0	56.5	56.3	56.0	56.3
5°	64.0	62.5	60.4	58.2	56.3	54.6	53.4	52.2	51.3	50.8	50.8
7.5°	68.3	65.9	62.3	58.7	55.3	52.5	50.5	48.9	47.7	47.2	46.9
10°	75.0	72.1	66.8	61.1	56.0	51.7	48.9	46.9	45.8	45.0	45.0
12.5°	86.7	83.4	75.0	66.1	58.0	52.0	48.1	46.2	45.0	44.8	45.0
15°	105.2	99.9	87.7	75.0	62.5	52.5	47.7	46.9	47.4	47.7	47.7
17.5°	126.7	119.5	104.0	84.8	67.5	54.6	49.6	49.1	49.8	50.5	51.0
20°	150.9	141.6	119.0	94.1	70.9	57.7	51.5	50.5	52.2	53.7	53.4
22.5°	181.6	170.3	138.2	101.3	73.3	58.4	52.2	51.3	54.1	55.8	56.3
25°	221.8	205.8	160.7	109.0	74.7	57.5	51.7	52.0	56.3	59.6	60.4
27.5°	265.6	242.4	181.6	115.2	74.7	55.1	51.0	53.9	59.9	64.2	64.7
30°	313.5	281.2	199.8	120.0	72.6	52.7	50.3	54.9	60.8	65.4	65.9
32.5°	364.6	321.4	218.7	121.7	69.5	50.8	49.6	54.1	59.2	63.2	64.2
35°	409.8	357.4	226.1	119.3	65.2	49.3	47.9	51.7	56.8	61.8	62.0
37.5°	457.0	391.6	229.5	112.6	60.8	47.9	46.5	50.1	56.0	62.0	62.8
40°	477.1	400.5	219.9	103.2	56.8	46.9	45.8	49.8	56.3	62.3	63.2
42.5°	497.7	409.1	208.2	89.8	54.1	46.7	46.5	49.8	55.1	59.9	60.6
45°	533.0	428.3	202.9	80.7	52.7	47.4	47.2	49.1	52.9	57.2	58.7
47.5°	583.3	457.3	200.2	75.0	52.7	48.6	47.9	48.4	50.8	54.6	55.8
50°	647.7	497.5	203.6	71.9	53.9	50.3	48.9	48.1	49.1	53.2	54.6
52.5°	701.8	536.1	207.7	71.4	55.8	52.5	50.3	48.1	48.9	53.7	55.3
55°	758.6	572.7	212.2	72.6	58.2	54.1	51.3	48.6	49.1	53.7	55.6
57.5°	841.0	635.0	224.0	75.2	60.6	56.0	52.5	49.3	48.9	52.5	53.9
60°	916.2	694.4	241.4	80.2	63.5	58.0	53.7	49.8	48.6	51.0	52.0
62.5°	961.7	726.5	248.2	85.0	66.3	59.6	54.1	49.8	49.3	51.5	52.2
65°	1008.7	757.2	250.8	88.9	68.0	60.6	54.1	50.3	50.3	51.7	52.0
67.5°	1007.0	750.4	244.6	90.8	69.5	61.1	54.1	50.3	50.8	52.2	52.5
70°	962.9	711.9	229.0	90.5	69.2	60.4	53.2	50.1	52.0	53.7	53.9
72.5°	833.6	612.0	203.8	87.7	67.1	58.4	51.7	49.6	52.5	54.9	54.9
75°	683.9	498.5	168.4	82.2	64.4	56.0	49.6	47.9	51.5	54.9	54.9
77.5°	538.7	390.2	136.5	75.0	60.6	53.2	46.9	45.0	49.1	52.2	52.0
80°	418.5	295.8	109.7	67.8	56.3	50.1	43.8	41.7	45.3	47.4	46.9
82.5°	321.0	227.8	90.5	61.1	52.0	46.5	40.7	38.8	42.2	43.6	43.1
85°	219.2	163.1	74.3	53.7	46.5	42.2	37.6	36.2	40.0	41.7	41.2
87.5°	144.7	112.1	62.0	47.2	41.0	37.8	34.0	33.5	37.8	39.5	39.3
90°	95.6	78.3	52.7	41.0	35.7	33.1	30.7	30.7	34.5	35.9	35.0
92.5°	63.0	55.6	41.7	34.7	30.4	28.7	27.3	27.1	30.4	30.9	30.2
95°	42.9	39.0	32.6	28.7	25.6	24.7	23.5	24.0	26.1	25.6	24.9
97.5°	30.7	29.7	26.3	23.5	21.3	21.1	20.6	20.8	22.0	21.1	20.6
100°	24.4	23.7	21.8	19.6	18.2	18.0	17.7	18.0	18.7	17.7	17.2
102.5°	19.6	19.6	18.2	16.5	15.3	15.6	15.6	15.6	15.8	14.4	14.4
105°	15.8	15.8	15.3	13.9	13.2	13.2	13.4	13.4	13.4	12.5	12.5
107.5°	12.7	13.2	12.9	11.7	11.3	11.5	11.5	11.3	11.3	10.8	10.8
110°	10.3	10.8	10.8	10.1	9.8	10.1	9.8	9.6	9.3	9.3	9.3



REPORT NUMBER: P414455

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	9.1	9.3	8.9	8.6	8.6	8.4	8.1	8.1	8.4	8.4
115°	7.4	7.9	8.1	7.7	7.7	7.7	7.2	6.9	6.9	7.4	7.4
117.5°	6.7	6.9	7.2	6.9	6.7	6.7	6.5	6.0	6.0	6.5	6.7
120°	6.0	6.2	6.5	6.2	6.0	5.7	5.5	5.3	5.3	6.0	6.0
122.5°	5.5	5.7	5.7	5.5	5.3	5.3	5.0	4.8	4.8	5.3	5.5
125°	5.3	5.3	5.3	5.0	4.8	4.6	4.3	4.3	4.3	4.8	4.8
127.5°	5.0	5.0	4.8	4.6	4.3	4.1	4.1	3.8	3.8	4.3	4.6
130°	5.0	5.0	4.6	4.3	4.1	3.6	3.6	3.4	3.6	4.1	4.1
132.5°	4.8	4.8	4.3	4.1	3.6	3.4	3.1	3.1	3.1	3.6	3.8
135°	4.6	4.3	3.8	3.6	3.1	2.9	2.9	2.9	2.9	3.4	3.4
137.5°	4.1	3.8	3.4	3.1	2.9	2.6	2.4	2.4	2.6	2.9	3.1
140°	3.4	3.4	2.9	2.6	2.4	2.2	2.2	2.2	2.4	2.6	2.6
142.5°	2.9	2.9	2.4	2.2	1.9	1.7	1.9	1.9	2.2	2.4	2.4
145°	2.4	2.2	2.2	1.7	1.7	1.4	1.4	1.7	1.9	2.2	2.2
147.5°	1.9	1.9	1.7	1.4	1.2	1.2	1.2	1.4	1.7	1.7	1.9
150°	1.7	1.7	1.4	1.4	1.0	0.7	1.0	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.2	1.0	0.5	0.7	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.0	0.7	0.2	0.7	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.2	0.5	0.7	0.7	0.7	1.0
160°	0.7	0.7	0.7	0.7	0.5	0.2	0.5	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.7	0.5	0.5	0.5
165°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.5	0.5
167.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.2	0.2
170°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.2	0.2
172.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.2	0.2
175°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.2	0.2
177.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.2	0.2
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)