

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: P414461

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037 lumens
Efficiency: N/A
Efficacy: 97.0 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

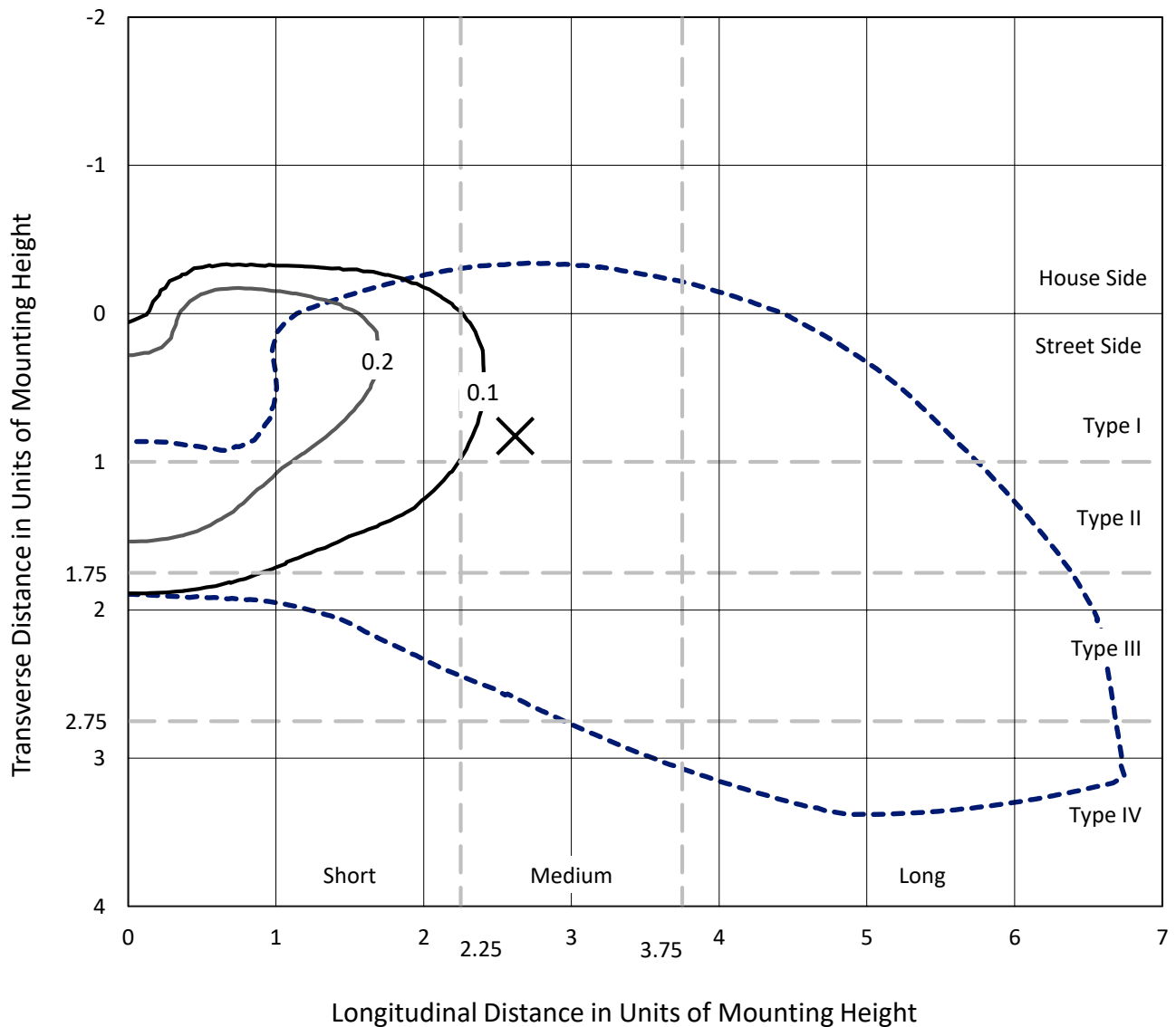
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

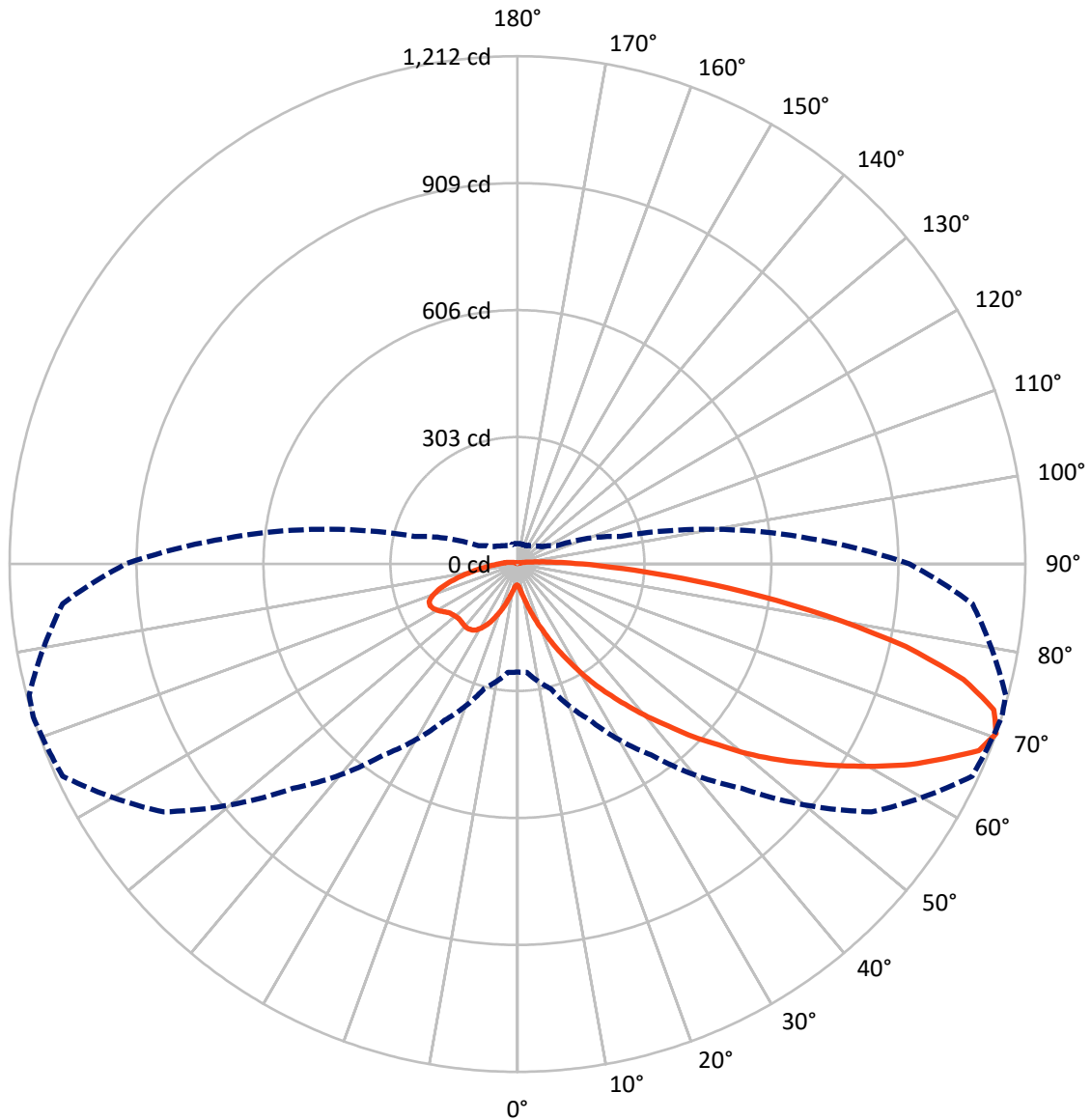
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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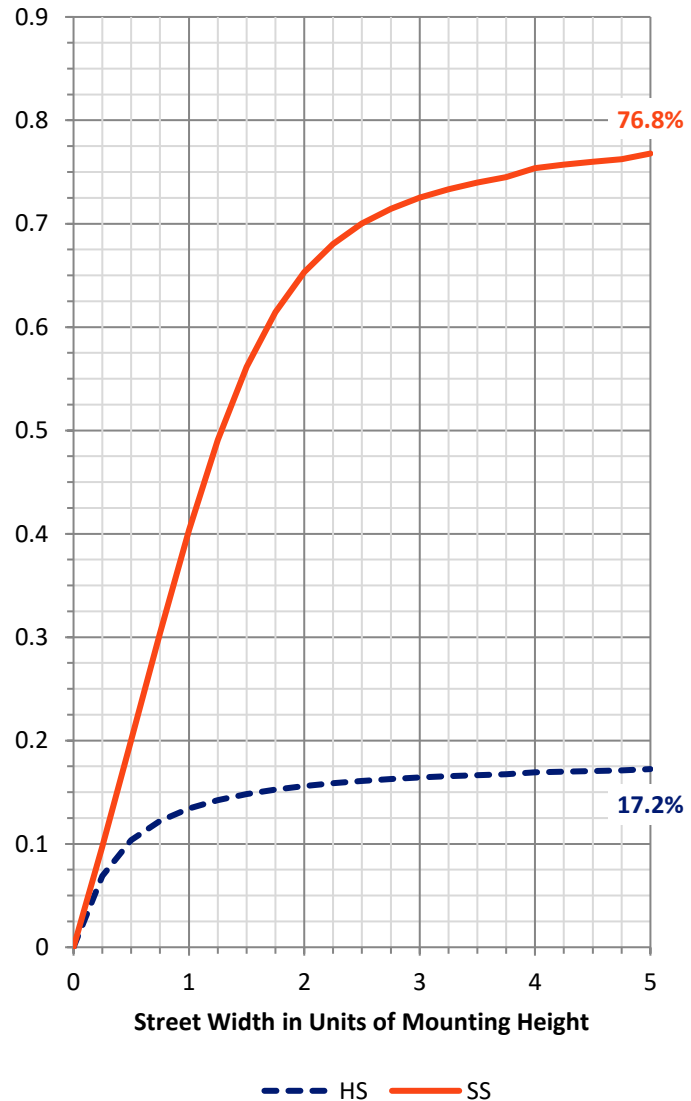
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	366.2	33.2	399.4
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	1599.2	38.4	1637.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	1965.4	71.6	2037.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	27.6	1.4
20°-30°	77.0	3.8
30°-40°	159.5	7.8
40°-50°	275.6	13.5
50°-60°	407.0	20.0
60°-70°	480.3	23.6
70°-80°	381.2	18.7
80°-90°	151.6	7.4
90°-100°	40.1	2.0
100°-110°	15.5	0.8
110°-120°	7.5	0.4
120°-130°	4.3	0.2
130°-140°	2.5	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°	1965.4	96.5
0°-180°	2037.0	100.0



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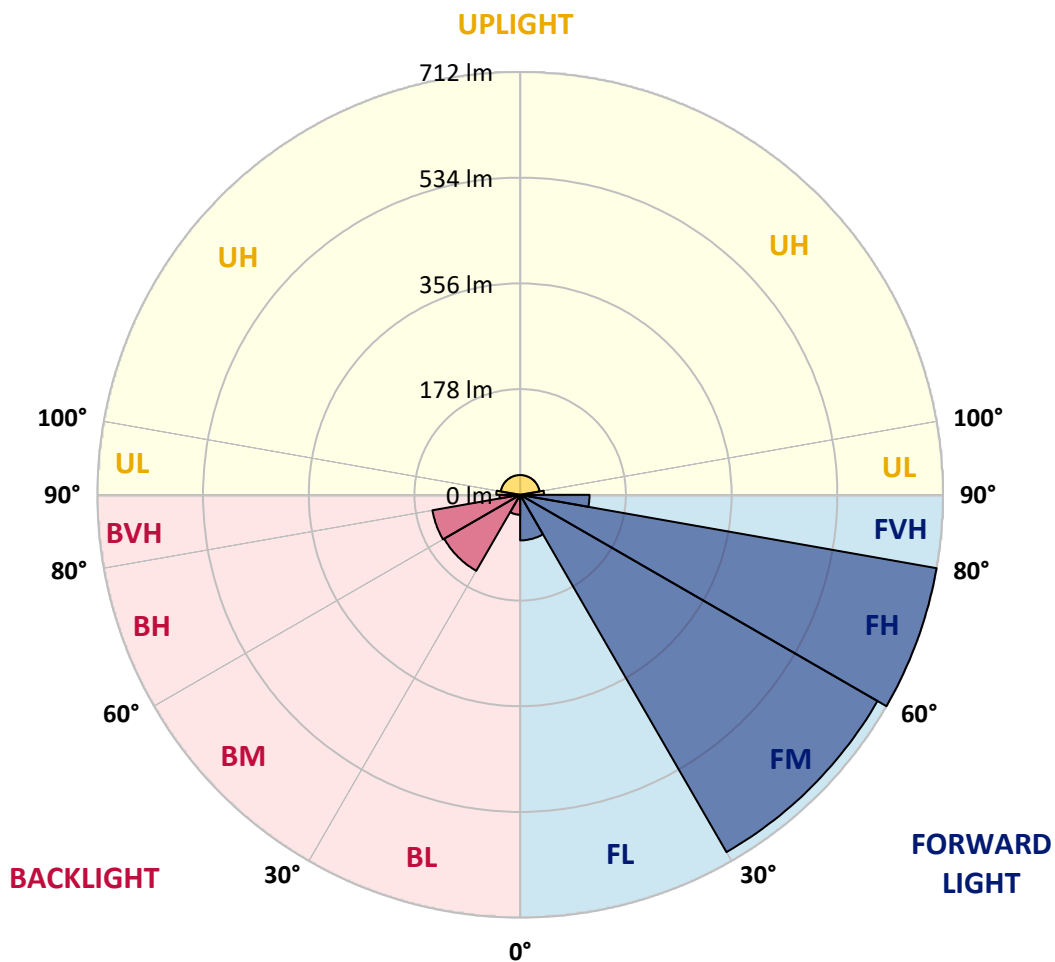
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.7	3.8			
FM	(30°-60°)	694.3	34.1			
FH	(60°-80°)	711.6	34.9			G1/1800
FVH	(80°-90°)	116.7	5.7			G2/225
BL	(0°-30°)	33.6	1.6	B0/110		
BM	(30°-60°)	147.8	7.3	B0/220		
BH	(60°-80°)	150.0	7.4	B1/500		G1/500
BVH	(80°-90°)	34.9	1.7			G1/100
UL	(90°-100°)	40.1	2.0		U2/50	
UH	(100°-180°)	33.2	1.6		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°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	57.2	57.5	57.2	57.2	56.8	56.5	55.1	54.1	53.4	52.9	52.2
5°	66.3	66.8	66.6	66.6	65.4	64.7	63.0	61.1	59.6	59.4	57.2
7.5°	78.6	78.3	77.4	77.1	76.6	75.4	73.1	70.2	68.7	68.3	65.1
10°	93.6	92.5	92.9	91.3	90.3	88.4	86.2	84.1	81.2	81.2	76.9
12.5°	108.7	111.4	110.7	108.3	106.3	103.2	100.6	99.9	96.5	97.0	92.9
15°	133.4	133.2	131.0	129.3	125.5	121.7	119.3	117.6	116.6	115.9	111.4
17.5°	159.5	158.1	156.4	151.4	145.9	142.5	140.4	138.7	139.9	139.6	134.1
20°	189.7	188.0	185.6	176.5	169.3	164.1	162.9	164.8	165.5	167.4	161.9
22.5°	223.2	222.5	216.8	206.5	194.2	187.3	186.1	190.7	196.2	197.1	193.3
25°	263.5	262.5	254.6	239.8	223.7	213.2	213.2	220.4	229.5	231.6	229.7
27.5°	306.6	304.2	293.9	275.7	253.6	240.0	238.3	251.2	263.9	270.2	267.8
30°	356.2	355.7	338.7	316.4	290.0	268.3	267.5	286.5	304.4	307.3	307.8
32.5°	407.2	411.2	391.6	358.3	326.5	300.8	299.6	320.9	345.9	350.9	350.9
35°	466.1	466.3	442.1	409.1	365.5	336.3	332.9	358.3	386.1	393.0	396.9
37.5°	525.5	524.1	502.3	456.7	407.9	372.7	369.6	399.5	431.1	442.4	441.7
40°	583.9	588.0	560.5	510.2	451.2	415.6	407.9	443.1	479.5	492.2	487.2
42.5°	646.9	646.0	621.3	565.2	499.6	457.0	452.4	488.8	529.3	543.7	539.1
45°	702.0	701.5	674.7	618.7	545.8	504.9	498.7	537.2	588.0	601.4	592.1
47.5°	752.8	751.6	723.8	666.8	586.3	550.6	551.1	590.6	644.5	666.6	652.2
50°	792.1	788.0	770.5	709.0	630.2	598.8	607.9	654.3	711.8	731.7	716.1
52.5°	813.1	806.9	793.3	738.4	671.6	646.4	663.9	719.0	775.8	794.7	777.7
55°	803.1	803.1	795.4	756.4	701.1	690.0	725.2	780.8	840.0	860.8	845.7
57.5°	762.6	768.8	772.4	751.6	721.4	733.1	789.0	851.2	908.0	931.0	911.1
60°	691.7	693.4	719.7	725.7	729.6	769.8	855.1	929.3	980.3	998.5	976.0
62.5°	591.4	599.3	631.4	675.7	717.6	800.2	924.5	1007.9	1053.9	1066.1	1033.3
65°	479.7	477.8	537.2	603.6	684.5	809.1	980.6	1084.0	1119.7	1136.0	1079.0
67.5°	363.8	362.6	417.5	514.7	628.5	799.7	1026.1	1148.7	1188.0	1188.5	1107.7
70°	258.0	259.9	308.5	411.7	556.1	757.1	1031.6	1198.0	1212.4	1206.7	1090.3
72.5°	175.1	176.5	222.7	315.4	460.3	688.1	985.6	1192.8	1189.4	1173.4	1018.4
75°	112.8	122.4	156.6	239.8	372.7	588.7	896.3	1117.3	1099.8	1073.3	893.6
77.5°	77.8	82.6	109.0	174.6	291.2	486.2	769.6	965.7	947.5	914.9	720.5
80°	52.7	54.8	75.0	130.5	229.2	382.3	627.0	777.5	746.1	712.5	540.3
82.5°	35.2	39.3	53.9	93.6	173.4	295.1	476.9	593.7	543.9	515.0	379.6
85°	23.5	25.6	38.3	68.0	125.5	214.8	343.2	403.3	359.5	333.9	242.6
87.5°	15.8	17.7	27.3	48.6	92.9	156.2	229.9	260.6	225.4	209.3	146.8
90°	10.5	11.7	20.1	35.0	65.6	109.0	155.2	161.0	138.2	128.4	89.8
92.5°	7.4	8.6	15.1	25.9	46.0	75.7	99.6	97.5	81.4	76.6	58.0
95°	5.7	6.7	11.7	19.9	33.5	52.0	64.9	59.4	51.5	49.8	40.0
97.5°	5.0	5.5	9.8	16.0	25.4	36.9	42.2	40.2	34.7	33.8	29.2
100°	4.6	5.0	8.6	13.9	20.4	27.1	30.2	28.0	25.1	24.4	21.6
102.5°	4.3	4.6	7.7	12.0	16.8	21.3	23.2	20.8	18.7	18.4	16.5
105°	4.1	4.3	6.7	10.3	14.1	17.5	18.2	16.3	14.6	13.9	12.5
107.5°	3.8	3.8	6.0	9.1	12.2	14.6	15.1	13.2	11.3	10.8	9.8
110°	3.6	3.8	5.5	8.1	10.8	12.7	12.7	10.8	8.9	8.4	7.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	3.6	3.6	5.0	7.2	9.6	11.0	10.8	8.9	7.2	6.5	6.5
115°	3.4	3.6	4.8	6.7	8.6	9.6	9.1	7.4	5.7	5.3	5.5
117.5°	3.4	3.6	4.3	6.0	7.7	8.4	7.9	6.2	4.8	4.6	5.0
120°	3.4	3.6	4.3	5.5	6.7	7.4	6.9	5.3	4.3	4.1	4.6
122.5°	3.6	3.6	4.1	5.0	6.2	6.7	6.0	4.6	3.8	3.6	4.1
125°	3.6	3.6	4.1	4.8	5.7	6.0	5.3	4.1	3.4	3.4	3.8
127.5°	3.6	3.6	4.1	4.6	5.3	5.3	4.8	3.6	3.1	3.1	3.6
130°	3.6	3.6	3.8	4.3	4.8	4.8	4.1	3.1	2.9	2.9	3.4
132.5°	3.8	3.8	3.8	4.1	4.3	4.3	3.6	2.9	2.6	2.6	3.4
135°	3.6	3.6	3.6	3.8	3.8	3.8	3.1	2.6	2.4	2.6	3.1
137.5°	3.4	3.4	3.6	3.6	3.6	3.4	2.6	2.2	2.2	2.4	2.9
140°	3.4	3.1	3.4	3.4	3.1	2.9	2.4	1.9	1.9	2.2	2.4
142.5°	2.9	2.9	2.9	2.9	2.6	2.4	1.9	1.7	1.9	1.9	2.2
145°	2.6	2.6	2.6	2.4	2.4	1.9	1.4	1.4	1.4	1.7	1.9
147.5°	2.2	2.2	2.2	2.2	1.9	1.7	1.0	1.2	1.2	1.2	1.4
150°	1.7	1.7	1.9	1.7	1.4	1.2	0.7	1.0	1.2	1.2	1.2
152.5°	1.4	1.4	1.4	1.4	1.2	0.7	0.7	1.0	1.0	1.0	1.2
155°	1.0	1.0	1.0	1.0	0.7	0.5	0.7	0.7	1.0	1.0	1.0
157.5°	0.5	0.5	0.7	0.7	0.5	0.5	0.5	0.7	0.7	0.7	0.7
160°	0.0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
162.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
165°	0.0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
167.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
170°	0.0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
172.5°	0.0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
175°	0.0	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
177.5°	0.0	0.2	0.5	0.5	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°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	51.7	51.3	50.3	49.3	48.6	47.9	47.4	46.7	46.2	46.2	46.2
5°	55.8	55.3	52.9	50.5	48.4	46.5	45.0	43.4	42.6	41.9	42.2
7.5°	63.9	62.3	58.4	54.4	50.8	46.9	44.1	41.7	40.2	39.3	39.3
10°	75.0	72.3	66.6	60.4	54.4	48.9	44.5	41.2	38.8	37.8	37.8
12.5°	89.1	86.5	77.6	68.3	59.2	51.3	45.7	41.4	38.8	37.6	37.6
15°	108.0	103.5	91.5	78.1	64.9	54.1	46.9	43.4	41.7	41.0	41.0
17.5°	130.5	123.8	108.3	88.1	70.7	57.0	50.1	46.7	45.3	45.0	45.0
20°	156.9	148.5	125.0	98.2	75.2	60.6	52.7	49.8	49.3	49.6	49.6
22.5°	186.8	174.6	142.3	107.3	79.5	62.8	54.6	52.2	52.7	53.9	53.7
25°	218.4	205.5	161.2	115.4	82.4	63.7	55.8	54.4	56.3	57.7	57.7
27.5°	255.3	235.2	178.4	121.2	83.1	63.0	56.0	55.3	58.0	60.1	60.6
30°	292.9	267.1	193.3	124.8	81.7	61.3	55.1	55.6	58.7	61.6	61.8
32.5°	331.0	297.2	205.5	125.5	79.3	59.2	54.1	55.1	58.4	61.6	62.0
35°	368.8	325.5	213.6	122.9	75.4	57.0	52.5	54.1	57.5	61.1	61.6
37.5°	406.0	352.3	218.7	118.6	71.6	55.1	51.3	52.9	56.3	60.4	60.8
40°	446.4	381.1	221.5	113.5	67.8	53.4	50.5	52.2	55.6	59.4	60.1
42.5°	483.6	407.4	221.8	107.3	64.9	52.7	50.1	51.5	54.6	58.7	59.4
45°	532.0	434.5	221.8	102.0	63.0	52.5	50.1	51.3	54.1	58.4	59.4
47.5°	577.7	465.6	222.3	97.5	62.0	52.9	50.5	51.0	53.4	58.4	59.4
50°	630.9	495.5	226.1	94.1	61.8	53.9	51.3	50.8	52.7	58.0	59.2
52.5°	683.8	535.1	230.9	91.7	62.3	54.8	51.7	50.8	52.0	56.8	58.2
55°	741.8	572.7	236.2	92.0	63.2	55.8	52.5	50.5	51.0	54.8	56.3
57.5°	799.7	616.7	247.7	93.4	64.4	57.0	53.2	50.5	49.8	52.7	53.9
60°	850.5	655.5	259.6	96.5	66.1	58.2	53.7	50.3	48.9	50.5	51.5
62.5°	904.2	697.9	269.2	99.2	68.0	59.2	53.7	50.1	48.1	49.3	49.8
65°	939.1	723.1	274.2	102.5	69.9	59.9	53.9	49.6	47.9	48.6	49.1
67.5°	957.1	727.2	270.9	103.7	71.6	60.4	53.7	49.1	48.1	48.6	49.1
70°	935.8	700.1	254.8	103.0	72.1	60.4	53.2	48.6	48.1	48.9	49.1
72.5°	858.6	634.9	231.1	99.4	71.4	59.4	52.5	47.9	47.9	49.1	49.1
75°	739.4	541.3	200.0	93.9	69.5	58.0	51.0	46.7	47.2	48.9	48.9
77.5°	592.1	428.2	164.8	86.0	65.9	55.6	49.1	45.0	46.2	48.1	47.9
80°	440.7	319.0	132.7	77.1	61.1	52.2	46.5	43.1	44.8	46.5	46.0
82.5°	293.6	223.9	104.9	67.8	56.0	48.9	43.6	40.5	42.6	44.3	43.6
85°	190.7	149.2	81.2	58.4	50.8	45.0	40.0	37.6	39.8	41.2	40.5
87.5°	118.8	100.1	61.8	49.8	45.3	40.7	36.9	34.3	36.4	37.8	36.9
90°	78.6	67.1	48.6	43.1	40.2	36.6	33.1	31.1	33.3	33.8	33.1
92.5°	51.7	47.4	39.5	36.9	35.4	32.6	29.9	28.3	29.9	30.2	29.7
95°	37.1	35.9	32.6	32.1	31.4	29.0	26.8	25.4	26.3	26.6	25.6
97.5°	28.3	28.0	27.8	27.8	27.3	25.6	23.7	22.5	23.0	22.8	22.0
100°	22.0	22.5	23.2	23.7	23.5	22.3	20.8	19.9	20.1	19.2	18.4
102.5°	17.2	18.2	19.4	20.1	20.1	19.2	18.4	17.5	16.8	15.6	15.3
105°	13.7	14.4	16.0	17.2	17.2	16.8	16.0	14.8	14.1	12.7	12.7
107.5°	10.8	11.7	13.7	14.6	14.8	14.4	13.9	12.9	11.7	10.3	10.3
110°	8.6	9.3	11.5	12.5	12.7	12.5	12.0	10.8	9.6	8.6	8.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.2	7.9	9.6	10.5	11.0	10.8	10.3	9.1	7.9	7.2	7.2
115°	6.2	6.9	8.1	9.1	9.3	9.3	8.6	7.9	6.5	6.2	6.2
117.5°	5.5	6.0	7.2	7.9	8.4	8.1	7.4	6.7	5.7	5.5	5.5
120°	5.0	5.5	6.5	7.2	7.2	6.9	6.5	5.7	5.0	4.8	5.0
122.5°	4.6	5.0	5.7	6.2	6.2	6.2	5.7	5.0	4.3	4.3	4.6
125°	4.3	4.6	5.3	5.5	5.7	5.5	5.0	4.3	3.8	4.1	4.1
127.5°	4.1	4.3	4.8	5.0	5.0	4.8	4.3	3.8	3.4	3.6	3.8
130°	3.8	4.1	4.3	4.6	4.6	4.3	3.8	3.4	3.1	3.4	3.4
132.5°	3.4	3.6	3.8	4.1	3.8	3.8	3.4	2.9	2.9	3.1	3.1
135°	3.1	3.4	3.4	3.6	3.4	3.4	2.9	2.6	2.6	2.9	2.9
137.5°	2.9	3.1	3.1	3.1	2.9	2.9	2.6	2.4	2.4	2.4	2.6
140°	2.6	2.6	2.6	2.6	2.4	2.4	2.2	1.9	2.2	2.2	2.2
142.5°	2.4	2.4	2.4	2.2	2.2	1.9	1.7	1.7	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.7	1.7	1.4	1.4	1.4	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.4	1.2	1.2	1.2	1.2	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.2	1.0	1.0	0.7	1.0	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.0	0.5	0.7	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.2	1.0	0.7	0.2	0.5	0.7	0.7	0.7	0.7
157.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.5	0.5	0.7	0.5	0.7
160°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.5	0.5	0.5
162.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.5	0.2	0.2	0.2
165°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
167.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
170°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
172.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
175°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.7	0.7	0.7	0.7	0.5	0.2	0.2	0.2	0.2	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)