

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: P414561

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2941 lumens
Efficiency: N/A
Efficacy: 94.9 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 - U3 - G2

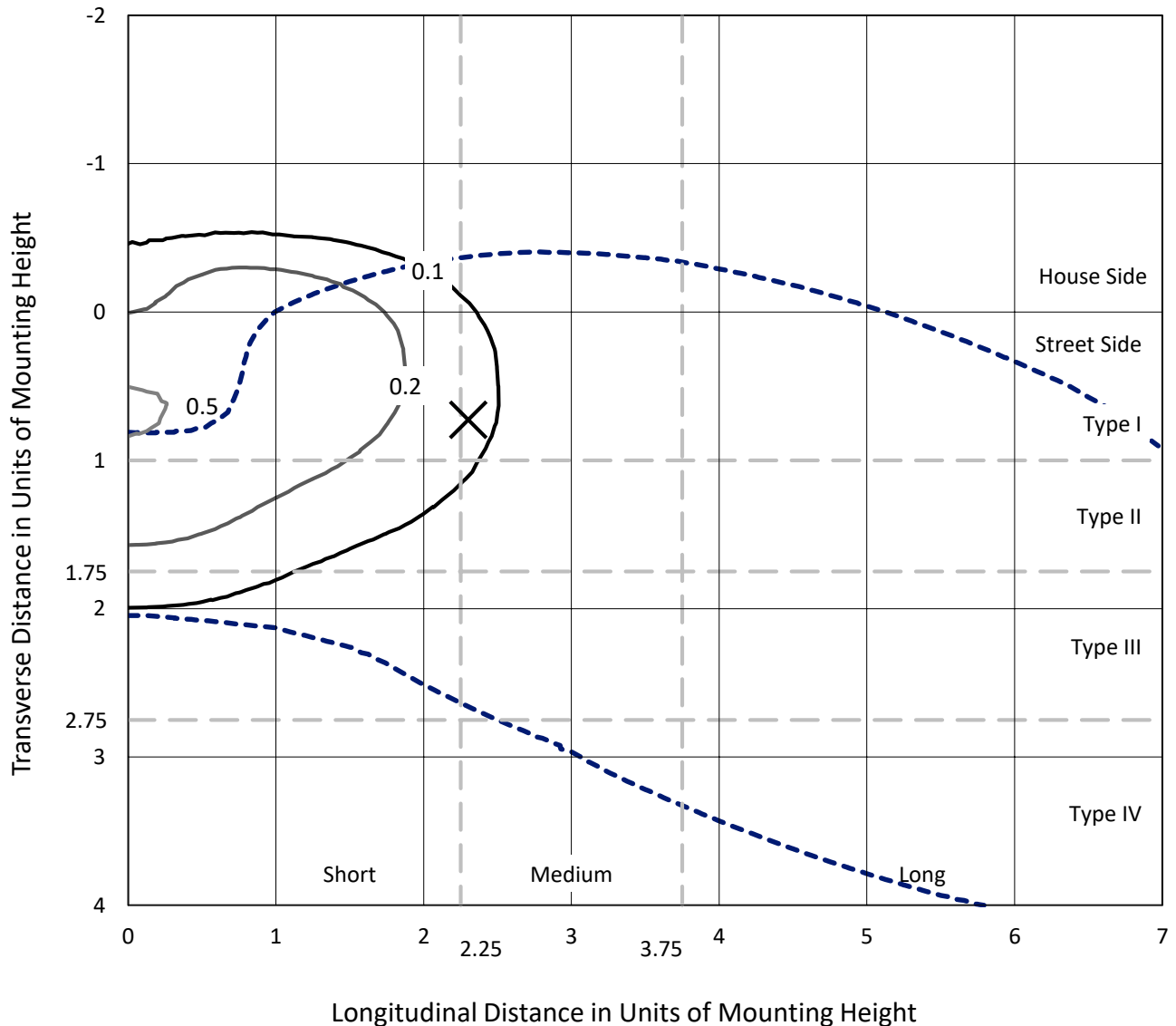
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

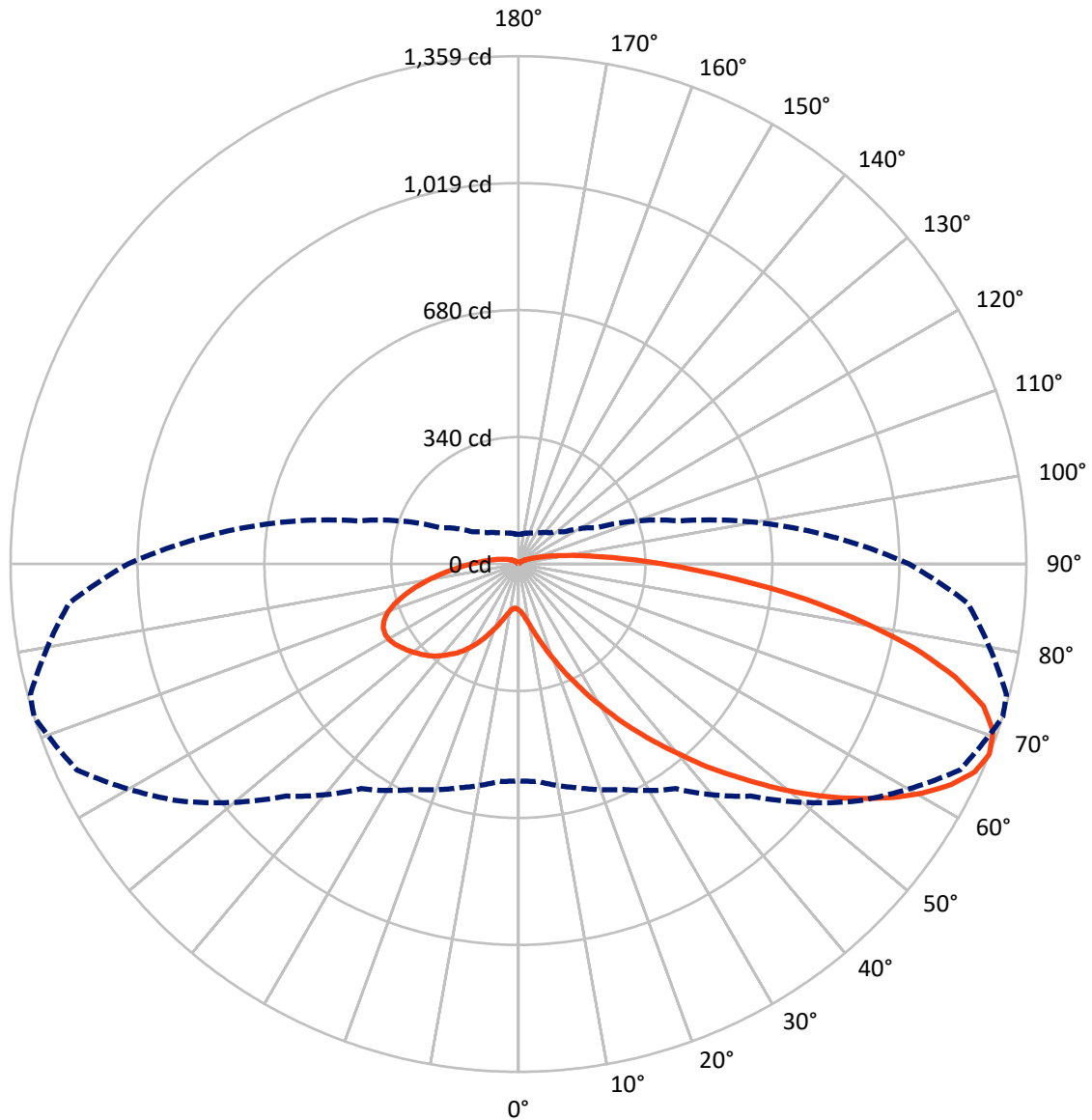
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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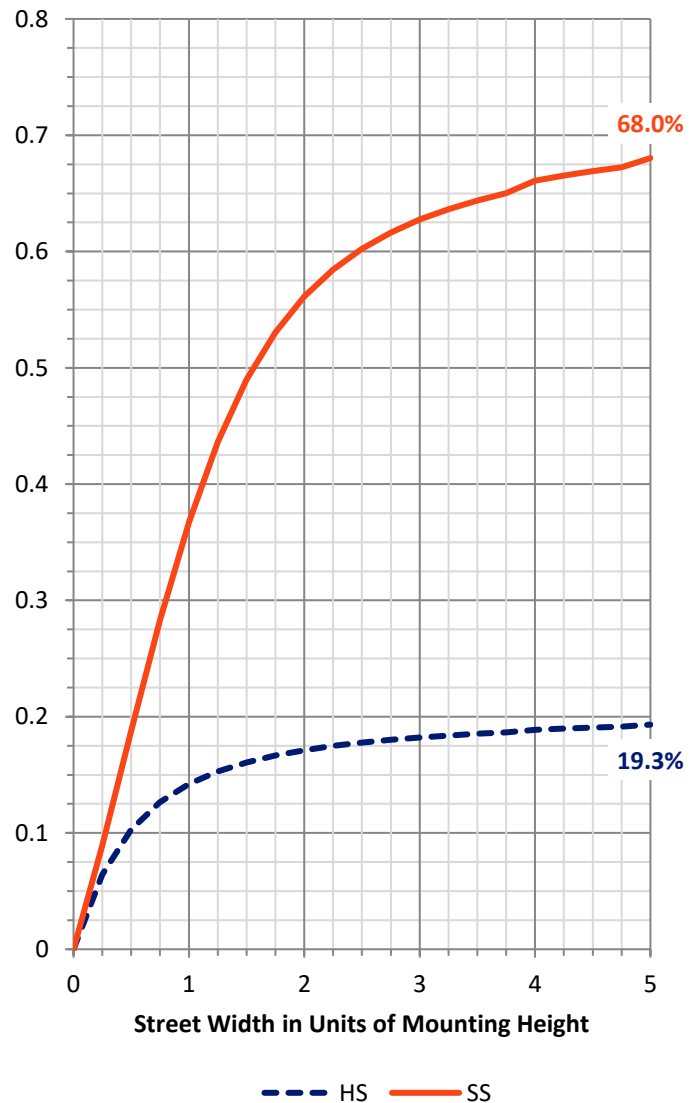
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.2	85.0	682.2
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2094.1	164.7	2258.8
	% Fixture	71.2	5.6	76.8
Total	Lumens	2691.3	249.7	2941.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.4
10°-20°	50.2	1.7
20°-30°	121.2	4.1
30°-40°	231.0	7.9
40°-50°	371.7	12.6
50°-60°	514.4	17.5
60°-70°	591.0	20.1
70°-80°	507.3	17.2
80°-90°	292.1	9.9
90°-100°	132.0	4.5
100°-110°	60.7	2.1
110°-120°	30.5	1.0
120°-130°	15.8	0.5
130°-140°	7.5	0.3
140°-150°	2.6	0.1
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2691.3	91.5
0°-180°	2941.0	100.0



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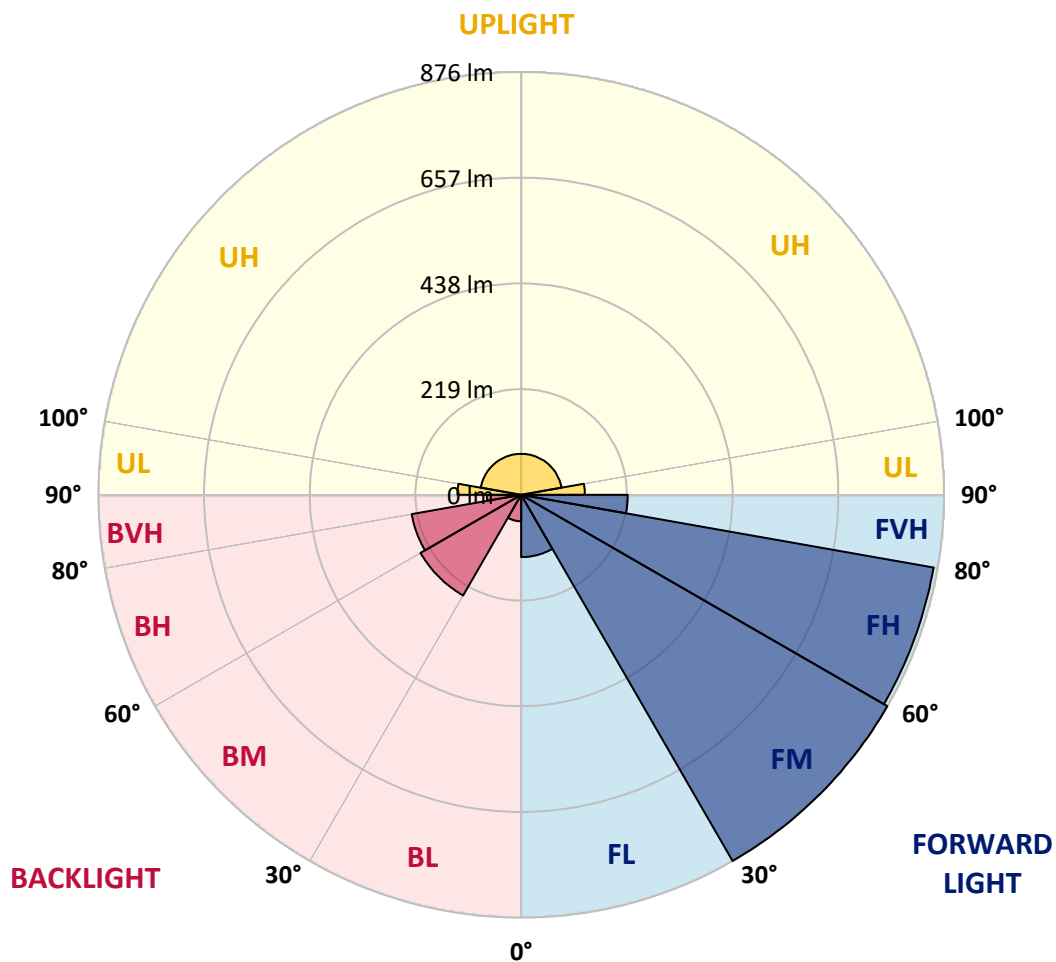
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.2	4.4			
FM	(30°-60°)	876.2	29.8			
FH	(60°-80°)	867.9	29.5			G1/1800
FVH	(80°-90°)	220.8	7.5			G2/225
BL	(0°-30°)	54.8	1.9	B0/110		
BM	(30°-60°)	240.8	8.2	B1/1000		
BH	(60°-80°)	230.3	7.8	B1/500		G1/500
BVH	(80°-90°)	71.3	2.4			G1/100
UL	(90°-100°)	132.0	4.5		U3/500	
UH	(100°-180°)	85.0	2.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	137.5	137.2	137.5	136.5	135.4	133.3	131.9	129.1	127.6	126.9	124.1
5°	157.0	156.6	156.3	154.9	151.3	148.9	144.6	139.7	136.5	135.1	130.5
7.5°	178.2	177.5	176.8	173.6	171.1	166.9	160.5	154.2	148.9	147.8	139.3
10°	202.2	201.5	200.1	197.6	193.1	187.0	181.4	172.2	165.5	162.3	153.1
12.5°	227.0	228.4	226.6	221.7	216.4	210.7	202.6	193.8	186.7	184.2	170.1
15°	257.0	258.1	256.3	250.7	245.0	236.5	230.2	221.0	211.4	210.0	194.5
17.5°	290.3	289.9	286.4	281.1	276.1	269.4	260.2	251.7	241.1	238.7	219.6
20°	326.3	324.9	321.8	312.9	308.3	300.5	294.9	283.2	273.0	269.4	250.3
22.5°	362.4	361.7	358.9	350.7	345.1	338.4	329.9	319.3	312.2	305.1	283.9
25°	407.7	403.4	399.9	385.4	380.1	373.7	366.3	357.5	350.7	346.9	322.5
27.5°	452.9	449.7	441.6	431.0	420.8	410.5	407.3	399.5	397.4	394.2	366.7
30°	497.8	496.4	487.6	474.1	459.3	449.4	447.6	448.3	445.1	441.3	411.9
32.5°	548.7	545.6	535.7	517.6	502.1	490.4	490.4	495.4	498.2	494.3	463.2
35°	598.6	595.8	583.4	561.1	543.8	529.7	535.3	547.0	553.7	553.7	515.2
37.5°	651.3	644.9	632.2	608.9	585.5	575.3	581.6	601.8	611.7	611.7	572.8
40°	697.2	696.9	679.6	651.6	628.7	613.4	632.9	659.8	672.8	671.8	630.8
42.5°	743.2	742.9	726.2	695.5	666.5	658.7	683.1	720.9	742.1	742.1	689.5
45°	784.6	781.7	767.6	733.7	706.8	703.3	739.3	787.4	809.3	812.9	753.1
47.5°	815.0	812.5	800.1	767.3	741.8	748.2	791.6	852.8	882.5	882.2	818.2
50°	835.5	833.0	822.4	794.1	772.2	788.1	848.6	922.1	959.2	962.1	882.5
52.5°	841.5	840.1	834.4	811.1	797.0	824.2	902.0	992.8	1034.9	1037.4	952.9
55°	831.2	831.2	830.9	816.8	811.1	856.4	957.1	1061.8	1107.4	1112.0	1022.2
57.5°	807.2	808.3	814.6	810.0	818.5	882.2	1003.8	1124.0	1179.2	1182.0	1084.1
60°	770.8	768.7	782.8	791.3	814.3	898.4	1045.2	1186.6	1244.2	1245.3	1138.5
62.5°	715.6	716.7	737.2	759.5	799.1	905.1	1081.6	1241.4	1299.7	1302.2	1180.9
65°	650.6	653.0	681.0	718.5	772.9	898.1	1102.4	1283.5	1341.8	1338.6	1205.3
67.5°	580.2	583.7	620.2	665.8	734.0	878.3	1106.0	1303.6	1359.1	1352.1	1207.4
70°	503.1	512.3	548.7	608.1	683.8	840.4	1085.5	1300.1	1347.5	1340.7	1176.0
72.5°	433.1	439.8	479.8	541.7	627.6	785.6	1042.0	1259.4	1301.9	1288.4	1110.2
75°	363.5	373.7	411.6	477.7	566.8	717.8	968.1	1180.9	1207.1	1192.6	1012.3
77.5°	304.1	313.3	350.7	414.4	500.0	646.7	871.2	1061.8	1083.3	1068.5	888.5
80°	247.9	258.1	294.5	357.1	437.4	563.2	760.2	922.5	930.6	907.3	752.0
82.5°	207.2	212.5	246.4	301.6	375.5	485.8	646.3	774.0	774.3	746.4	611.0
85°	169.4	172.5	203.7	253.5	316.8	410.5	530.7	623.3	616.3	601.1	471.0
87.5°	137.2	140.4	168.3	213.2	266.6	342.6	433.1	490.8	474.1	462.1	365.6
90°	112.4	116.0	139.0	177.8	223.8	282.9	344.7	379.4	364.5	355.3	281.8
92.5°	91.9	95.5	115.6	148.9	189.5	231.6	274.0	290.3	280.0	269.4	212.5
95°	77.8	78.5	96.5	124.5	156.6	187.0	214.6	224.2	210.0	206.1	164.4
97.5°	64.0	66.1	80.3	105.0	130.8	155.9	170.1	175.0	162.3	153.8	125.9
100°	54.5	55.5	67.9	87.7	108.9	126.9	137.9	135.4	124.1	119.2	95.5
102.5°	46.7	47.7	57.6	76.0	92.6	105.7	111.0	107.1	96.5	93.3	75.0
105°	41.0	41.4	49.5	64.4	78.5	89.5	91.6	85.6	75.3	71.1	59.0
107.5°	36.4	36.8	43.1	55.9	67.9	75.3	76.0	69.3	59.4	56.2	47.4
110°	32.5	33.2	37.8	48.4	58.7	64.4	63.6	56.6	47.4	44.6	38.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	29.3	30.1	33.6	42.4	50.9	55.9	54.1	45.6	37.8	36.1	32.2
115°	26.9	27.6	30.4	37.5	44.9	48.4	45.6	37.8	31.1	29.0	26.9
117.5°	25.1	25.5	27.6	33.2	38.9	41.7	38.5	31.5	25.5	24.0	23.0
120°	23.3	23.7	25.5	29.3	34.3	35.7	32.5	25.8	21.2	20.5	20.2
122.5°	21.9	21.9	23.3	26.2	29.7	30.8	27.6	21.6	18.0	17.3	17.7
125°	20.5	20.5	21.2	23.3	25.8	26.5	23.0	18.0	15.2	14.9	15.6
127.5°	19.1	19.1	19.4	20.9	22.3	22.3	19.1	14.9	13.1	12.7	13.8
130°	17.7	17.7	17.7	18.4	19.1	18.7	15.6	12.4	11.3	11.3	12.0
132.5°	16.3	16.3	16.3	16.3	15.9	15.2	12.7	9.9	9.9	9.9	10.6
135°	14.5	14.5	14.5	14.1	13.4	12.4	9.9	8.1	8.1	8.5	9.2
137.5°	13.1	13.1	12.7	12.0	11.0	9.5	7.8	6.4	7.1	7.1	7.8
140°	11.3	11.3	11.0	9.9	8.5	7.1	5.7	5.3	5.7	6.0	6.7
142.5°	9.5	9.5	9.2	8.1	6.7	5.0	3.9	3.9	4.6	4.6	5.3
145°	7.8	7.8	7.4	6.4	4.6	3.2	2.5	2.8	3.5	3.5	3.9
147.5°	6.0	6.0	5.7	4.6	3.2	2.1	1.4	2.1	2.5	2.5	2.8
150°	4.2	4.2	3.9	3.2	2.1	1.1	0.7	1.1	1.4	1.8	1.8
152.5°	2.8	2.8	2.5	2.1	1.1	0.4	0.7	1.1	1.1	1.1	1.4
155°	1.8	1.4	1.4	1.1	0.4	0.0	0.4	0.7	0.7	0.7	1.1
157.5°	0.7	0.7	0.7	0.7	0.4	0.0	0.4	0.4	0.4	0.7	0.7
160°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
162.5°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
165°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
167.5°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
170°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
172.5°	0.0	0.4	0.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
175°	0.0	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.0	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
2.5°	123.4	122.0	119.9	117.7	115.6	114.2	112.8	112.1	111.0	110.0	110.0
5°	127.6	124.8	119.9	114.9	110.3	106.4	102.5	100.4	99.0	97.6	97.9
7.5°	135.4	131.2	123.0	114.9	107.5	101.1	95.8	91.6	88.7	87.0	87.3
10°	146.4	141.8	129.4	117.7	107.1	97.9	90.5	84.5	81.0	79.2	79.2
12.5°	163.7	155.9	139.7	123.0	108.9	96.5	87.0	79.9	75.0	72.8	72.5
15°	184.6	173.6	153.8	133.3	113.1	96.5	84.2	79.2	76.0	74.6	74.3
17.5°	209.3	197.3	170.1	142.8	118.8	98.6	88.0	82.0	78.5	77.1	76.7
20°	236.2	222.0	187.7	154.9	124.5	105.0	91.9	84.5	80.6	79.2	79.2
22.5°	269.1	250.3	206.8	165.5	131.5	110.3	95.8	86.6	83.1	81.7	81.3
25°	303.0	281.8	229.5	176.8	139.3	114.6	98.6	88.7	85.2	83.8	84.2
27.5°	343.0	315.7	251.7	188.1	146.0	117.0	100.1	90.5	87.0	85.9	86.3
30°	384.7	350.4	271.5	199.8	150.6	118.8	101.1	91.9	88.0	87.3	87.3
32.5°	428.9	390.0	292.1	210.0	153.5	119.2	101.1	92.6	88.7	88.4	88.7
35°	474.1	428.2	311.9	218.2	154.9	118.8	100.8	93.3	88.7	88.7	88.7
37.5°	524.3	465.7	328.5	223.8	155.2	117.7	100.4	93.0	88.7	88.7	89.1
40°	576.0	505.6	346.9	228.4	154.9	117.0	100.1	93.0	88.7	88.7	89.1
42.5°	627.2	542.7	364.2	231.2	154.2	116.3	99.7	93.0	88.7	88.0	88.4
45°	682.7	585.9	380.8	233.0	153.5	116.0	99.7	92.6	88.7	87.3	87.7
47.5°	734.4	625.8	394.2	235.1	153.1	116.0	100.1	92.6	88.4	87.0	87.0
50°	792.7	667.2	408.0	235.8	152.4	116.0	100.1	92.6	88.0	85.9	86.3
52.5°	850.3	708.9	421.5	237.2	152.4	116.3	100.4	92.6	87.7	84.9	84.9
55°	905.5	746.0	433.5	238.3	152.4	117.0	101.5	92.6	87.3	83.8	83.8
57.5°	956.1	784.2	445.5	238.7	152.4	117.7	101.5	93.0	87.0	82.7	82.7
60°	1001.0	817.1	454.0	239.0	152.0	118.4	102.2	92.6	86.6	81.7	81.7
62.5°	1032.8	842.2	458.2	238.0	152.0	118.4	102.5	92.6	86.3	81.3	81.0
65°	1050.8	851.0	455.8	234.8	151.3	118.4	102.2	92.3	85.6	80.6	80.3
67.5°	1044.8	841.5	445.1	229.8	149.6	118.1	102.2	91.6	85.6	80.3	79.6
70°	1012.3	812.9	425.0	222.4	147.1	116.7	100.8	90.5	84.9	79.9	79.2
72.5°	948.6	755.2	395.6	210.7	142.8	114.6	99.0	88.7	83.4	78.8	77.8
75°	860.2	686.6	359.9	198.7	137.5	111.7	96.9	87.0	81.7	77.4	76.4
77.5°	746.7	595.1	320.3	183.2	130.8	107.8	94.1	84.2	79.2	75.3	73.9
80°	629.0	501.4	277.6	166.9	123.8	102.9	89.8	80.6	76.0	72.5	70.7
82.5°	509.1	411.9	237.6	151.3	115.6	97.2	85.6	76.7	72.5	68.6	66.8
85°	401.7	325.6	199.1	135.1	107.1	91.6	80.6	72.1	68.2	64.0	62.2
87.5°	312.6	258.5	166.5	120.2	97.9	85.2	75.3	67.5	62.9	59.0	57.6
90°	243.6	203.7	139.3	106.1	89.8	78.8	69.7	62.6	58.0	54.1	52.3
92.5°	185.6	161.2	116.7	93.7	81.7	72.5	64.4	57.6	53.0	48.8	47.0
95°	145.3	128.0	98.6	82.4	73.5	65.8	59.0	52.7	47.7	43.1	42.1
97.5°	112.8	102.5	83.1	72.1	66.5	59.4	53.4	47.7	42.8	38.2	37.1
100°	89.1	81.7	70.4	64.0	59.0	53.4	48.1	43.1	37.8	32.9	32.5
102.5°	70.4	67.2	59.8	56.2	52.3	48.1	43.5	38.2	32.9	28.3	27.9
105°	57.6	54.8	51.3	49.1	46.7	42.8	38.5	33.9	28.6	24.4	24.4
107.5°	46.7	45.3	43.5	43.1	41.4	38.2	34.7	30.1	24.8	21.2	21.2
110°	38.2	37.8	37.8	37.8	36.8	34.3	30.8	26.2	20.9	18.4	18.4



REPORT NUMBER: P414561

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.2	32.2	32.5	33.2	32.5	30.1	26.9	22.6	18.0	15.9	15.9
115°	27.2	27.6	28.6	29.0	28.6	26.9	23.7	19.4	15.2	13.8	14.1
117.5°	23.7	23.7	25.1	25.8	25.5	23.7	20.5	16.6	13.1	12.4	12.4
120°	20.5	21.2	22.3	22.6	22.3	20.5	18.0	14.1	11.3	11.0	11.0
122.5°	18.0	18.4	19.4	20.2	19.4	18.0	15.2	12.0	9.5	9.5	9.9
125°	15.9	16.3	17.0	17.7	17.0	15.2	13.1	9.9	8.5	8.5	8.5
127.5°	14.1	14.5	15.2	15.2	14.5	13.1	11.0	8.5	7.1	7.4	7.4
130°	12.4	12.7	13.1	13.1	12.7	11.3	9.2	7.1	6.4	6.7	6.7
132.5°	11.0	11.3	11.3	11.3	10.6	9.5	7.8	6.0	5.7	6.0	6.0
135°	9.5	9.5	9.9	9.5	8.8	7.8	6.0	5.0	5.0	5.3	5.3
137.5°	8.1	8.5	8.5	7.8	7.1	6.0	5.0	4.2	4.2	4.6	4.6
140°	6.7	7.1	6.7	6.4	5.7	5.0	3.9	3.2	3.5	3.9	3.9
142.5°	5.7	5.7	5.7	5.0	4.2	3.5	2.8	2.8	3.2	3.2	3.5
145°	4.2	4.2	4.2	3.9	3.2	2.5	2.1	2.1	2.5	2.8	2.8
147.5°	3.2	3.2	3.2	2.8	2.1	1.8	1.4	1.8	2.1	2.5	2.1
150°	2.1	2.1	2.1	1.8	1.4	1.1	1.1	1.4	1.8	1.8	1.8
152.5°	1.4	1.4	1.4	1.4	1.1	0.4	0.7	1.1	1.4	1.4	1.4
155°	1.1	1.1	1.1	1.1	0.7	0.0	0.4	0.7	1.1	1.1	1.1
157.5°	0.7	0.7	0.7	0.7	0.4	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.4	0.7	0.7	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.0
165°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
167.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
170°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
172.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
175°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
177.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)