

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: P414317

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-750-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2613 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

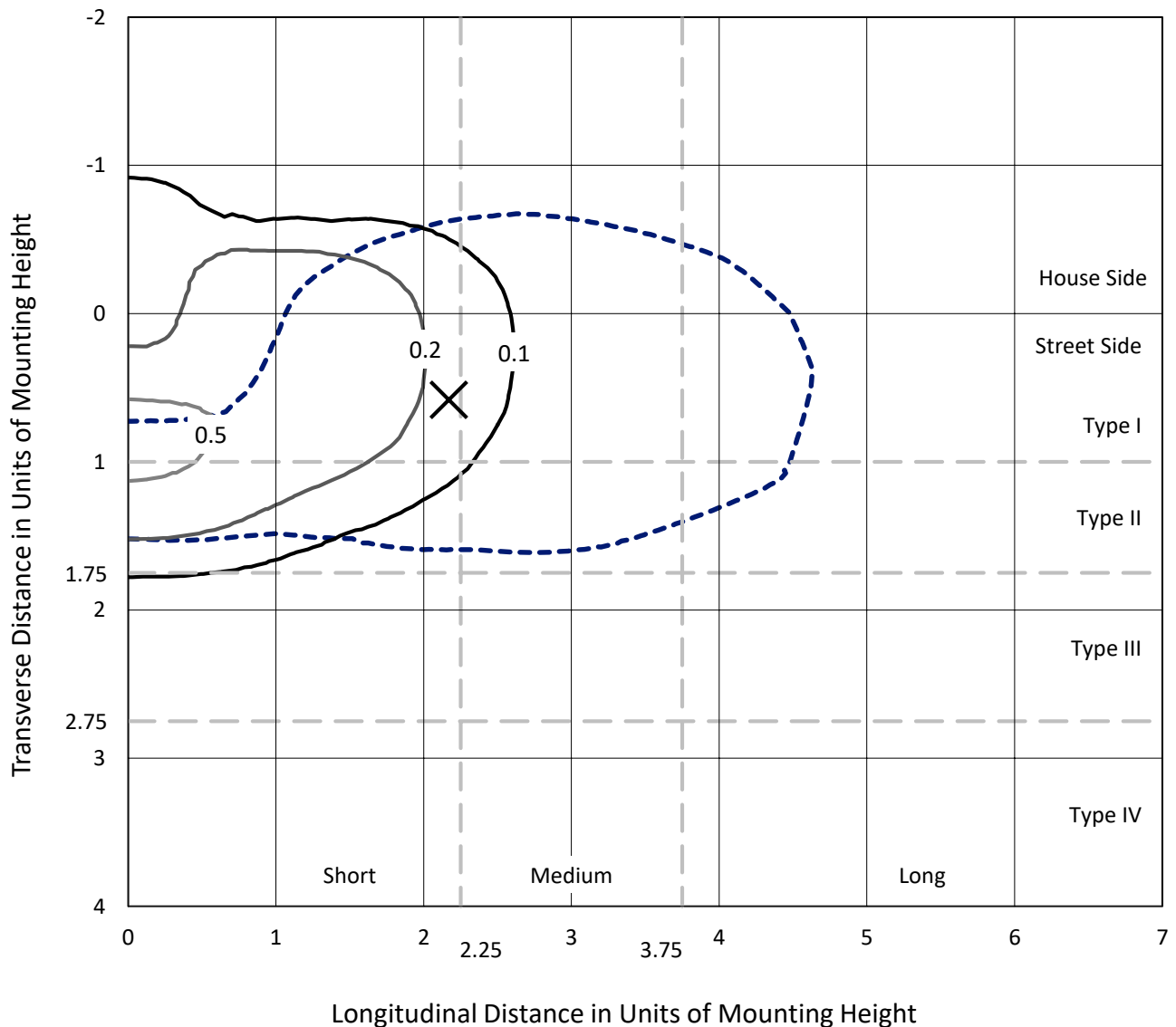
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

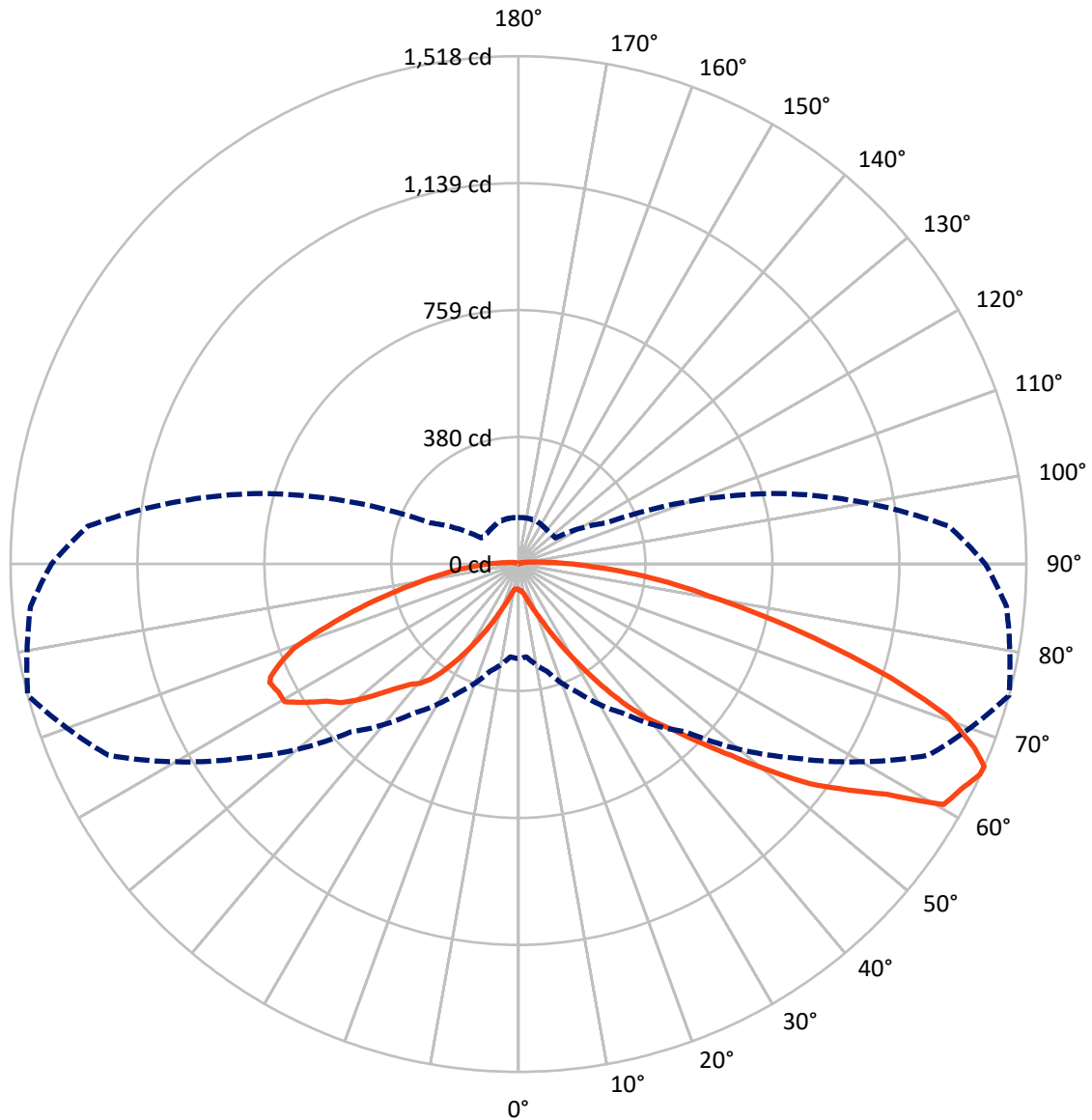
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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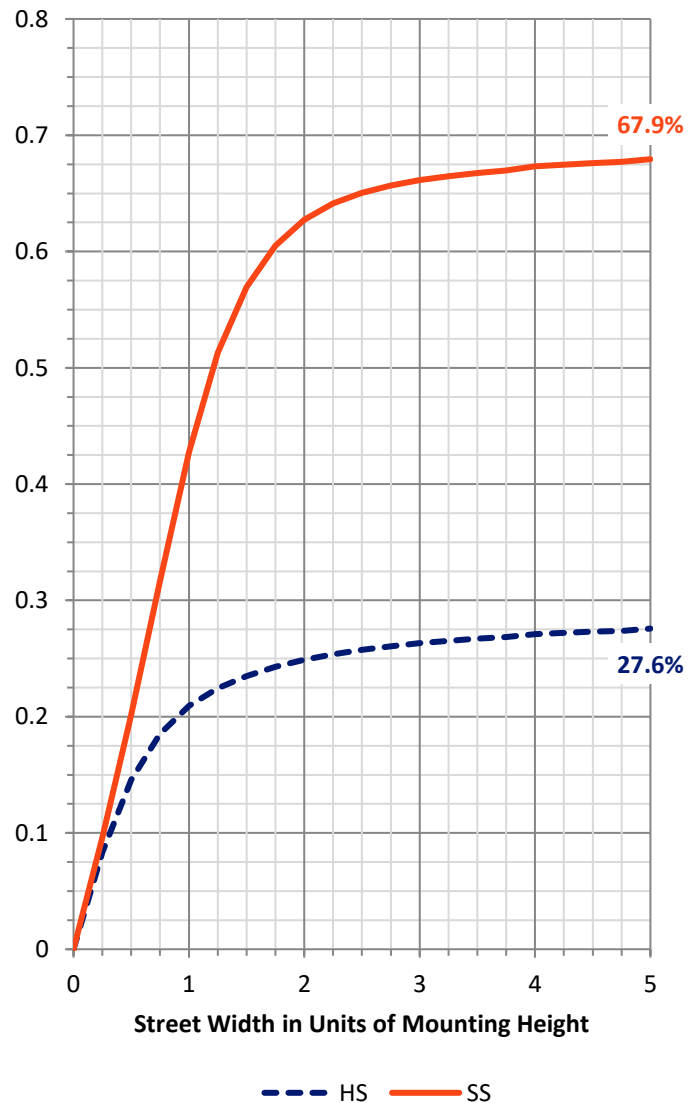
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.1	36.2	778.4
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	1798.8	35.8	1834.6
	% Fixture	68.8	1.4	70.2
Total	Lumens	2540.9	72.0	2613.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.3
10°-20°	32.8	1.3
20°-30°	99.6	3.8
30°-40°	246.3	9.4
40°-50°	444.8	17.0
50°-60°	601.0	23.0
60°-70°	603.3	23.1
70°-80°	364.4	13.9
80°-90°	140.9	5.4
90°-100°	41.8	1.6
100°-110°	15.1	0.6
110°-120°	7.3	0.3
120°-130°	4.3	0.2
130°-140°	2.6	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2540.9	97.2
0°-180°	2613.0	100.0



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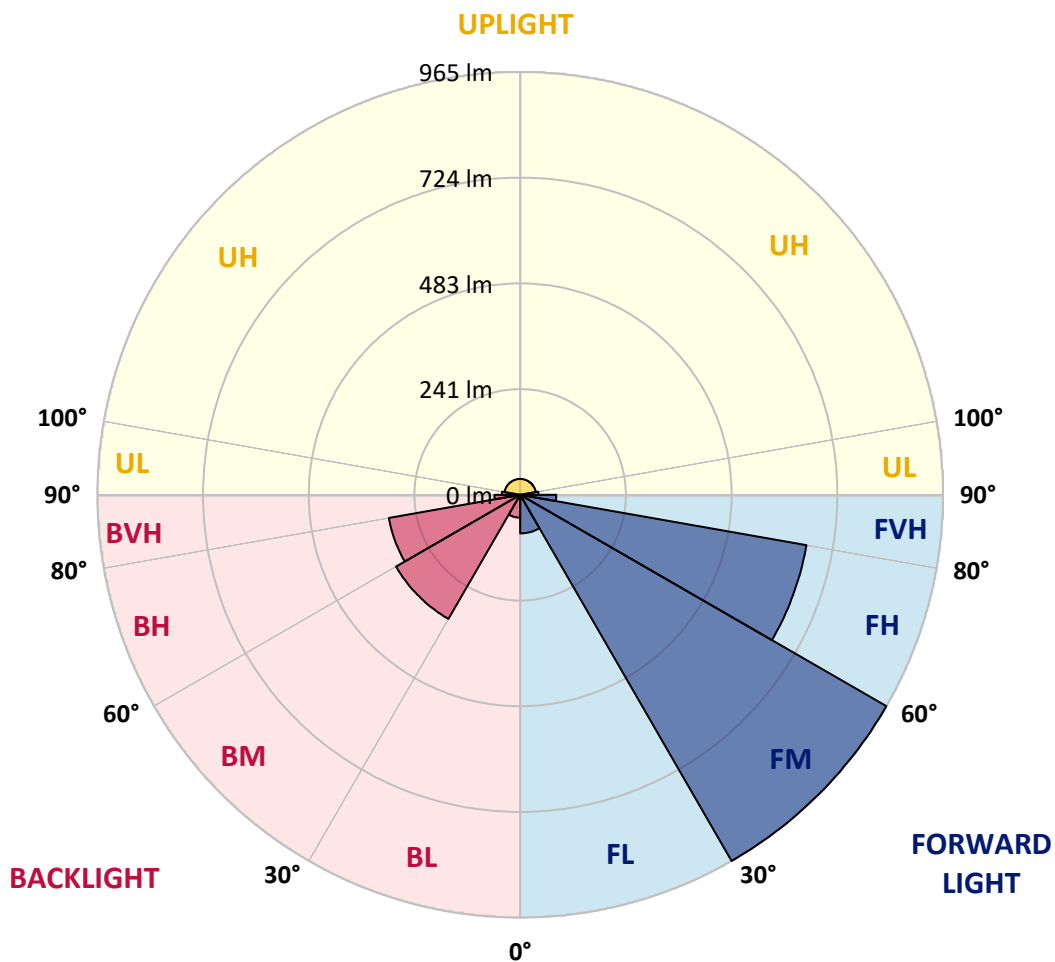
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.0	3.4			
FM (30°-60°)	965.0	36.9			
FH (60°-80°)	663.5	25.4			G1/1800
FVH (80°-90°)	82.3	3.1			G1/100
BL (0°-30°)	52.2	2.0	B0/110		
BM (30°-60°)	327.1	12.5	B1/1000		
BH (60°-80°)	304.3	11.6	B1/500		G1/500
BVH (80°-90°)	58.6	2.2			G1/100
UL (90°-100°)	41.8	1.6		U2/50	
UH (100°-180°)	36.2	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	85.0	84.4	83.8	83.2	82.6	82.0	80.8	79.3	78.0	78.0	76.8
5°	92.8	92.2	91.3	90.1	88.9	87.7	85.3	82.9	80.5	80.5	78.3
7.5°	102.5	102.2	100.9	99.4	96.7	94.0	91.0	87.4	84.1	83.8	81.1
10°	114.8	114.2	112.4	110.3	107.3	103.7	99.4	94.9	90.1	89.8	86.5
12.5°	132.0	130.8	127.8	124.5	118.7	115.1	110.3	106.1	102.5	101.6	97.0
15°	154.3	152.8	149.5	143.7	136.2	129.6	126.9	122.3	118.4	117.2	113.0
17.5°	182.9	181.4	175.7	166.6	158.8	152.2	146.1	141.6	138.3	138.0	132.0
20°	222.1	218.5	209.1	196.5	186.2	178.1	169.7	164.5	161.2	160.0	156.4
22.5°	270.3	269.4	256.1	239.6	222.7	207.9	198.6	192.9	190.4	190.7	188.6
25°	331.8	329.1	316.4	292.3	267.0	248.3	235.3	231.7	231.4	229.3	228.4
27.5°	397.5	393.8	377.3	354.1	320.6	295.3	280.8	276.9	277.8	275.4	277.2
30°	477.9	476.1	452.0	418.3	382.1	348.9	333.9	330.6	332.7	335.7	333.9
32.5°	577.4	580.1	547.2	501.7	451.1	412.8	396.3	395.1	398.1	397.5	396.6
35°	698.5	703.3	657.8	602.7	533.1	487.6	466.8	465.3	471.3	470.7	471.3
37.5°	828.1	830.2	793.1	705.7	624.7	561.7	544.5	542.7	548.4	545.1	541.8
40°	930.2	940.2	896.8	821.7	716.0	651.8	631.0	621.1	615.9	612.3	588.2
42.5°	1027.0	1020.9	990.2	906.7	809.7	739.8	712.1	693.4	676.8	674.4	647.9
45°	1090.2	1082.7	1053.5	976.3	885.3	827.5	801.9	779.3	760.6	752.1	720.2
47.5°	1093.9	1090.2	1083.3	1025.4	945.9	895.6	887.1	875.1	854.6	854.9	813.9
50°	1038.7	1033.0	1053.2	1031.2	976.0	949.5	981.5	994.7	968.5	965.8	923.3
52.5°	941.1	938.1	974.8	996.5	976.9	987.2	1063.1	1111.3	1090.8	1080.0	1025.1
55°	842.2	845.9	877.8	912.7	945.0	998.0	1135.4	1231.6	1191.2	1184.0	1115.5
57.5°	707.5	719.6	767.2	822.0	872.7	983.0	1173.4	1307.8	1297.6	1294.8	1236.4
60°	559.9	558.7	629.2	709.0	792.2	933.2	1175.5	1403.6	1460.6	1447.6	1365.1
62.5°	434.8	437.8	488.5	588.5	700.0	857.6	1146.6	1446.4	1484.4	1469.6	1397.6
65°	314.9	319.7	381.5	462.3	588.2	755.5	1064.3	1388.3	1516.6	1507.6	1466.9
66°	283.0	278.7	333.0	424.6	544.2	710.3	1012.5	1353.0	1518.4	1513.3	1464.8
67.5°	227.5	232.9	274.8	354.7	473.4	638.2	918.8	1296.7	1471.4	1464.5	1432.0
70°	168.4	173.6	202.2	266.1	359.2	509.0	759.7	1120.1	1360.5	1365.7	1362.0
72.5°	124.8	130.2	149.8	195.9	265.8	378.5	602.1	944.1	1163.5	1175.5	1167.1
75°	97.0	99.1	115.4	147.7	194.4	266.7	445.4	731.6	947.1	969.4	977.2
77.5°	78.0	79.9	93.1	113.9	145.5	194.7	312.2	545.4	749.7	765.4	780.2
80°	63.0	64.2	75.0	91.6	111.5	139.2	210.6	396.3	575.3	584.3	606.0
82.5°	50.6	51.5	59.4	73.5	89.2	105.8	149.8	276.6	451.7	460.1	487.6
85°	39.8	40.4	47.3	58.5	71.7	83.8	108.2	195.6	325.4	333.3	366.4
87.5°	31.3	31.9	37.4	45.5	57.9	66.3	79.9	131.7	219.7	230.8	268.5
90°	24.7	25.0	28.9	35.3	44.9	53.9	62.7	91.9	146.4	152.8	173.9
92.5°	18.7	19.0	22.0	26.8	35.0	42.8	47.9	63.6	93.7	96.4	111.5
95°	13.9	14.2	16.6	19.6	26.2	33.4	37.1	44.6	59.1	62.7	66.6
97.5°	10.8	11.1	12.7	14.5	19.3	26.2	29.5	32.8	40.4	41.6	44.6
100°	9.3	9.3	10.2	11.5	14.5	20.5	23.2	25.9	30.4	30.4	32.2
102.5°	7.8	7.8	8.4	9.0	11.8	16.3	18.7	20.5	22.9	23.2	24.7
105°	6.9	6.9	7.2	7.8	9.9	13.3	15.4	16.3	17.8	17.8	18.4
107.5°	6.0	6.0	6.3	6.6	8.7	11.1	12.4	12.7	13.3	13.3	14.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	5.7	5.7	5.7	6.0	7.5	9.6	10.2	9.9	10.2	10.2	11.1
112.5°	5.4	5.1	5.1	5.4	6.9	8.4	8.4	8.1	8.1	8.1	9.0
115°	5.1	5.1	4.8	5.1	6.3	7.2	7.2	6.6	6.6	6.6	7.5
117.5°	5.1	5.1	4.8	4.8	5.7	6.6	6.3	5.7	5.4	5.7	6.6
120°	5.1	5.1	4.5	4.5	5.4	5.7	5.7	4.8	4.8	4.8	5.7
122.5°	5.1	5.1	4.5	4.5	5.1	5.4	5.1	4.2	4.2	4.2	5.1
125°	5.4	5.1	4.5	4.5	4.8	4.8	4.5	3.9	3.6	3.6	4.5
127.5°	5.4	5.4	4.8	4.5	4.5	4.5	4.2	3.6	3.3	3.3	4.2
130°	6.0	5.7	5.1	4.5	4.2	3.9	3.6	3.3	3.3	3.3	3.9
132.5°	6.0	6.0	5.1	4.2	3.9	3.6	3.3	2.7	3.0	3.0	3.6
135°	5.7	5.4	4.5	3.9	3.6	3.0	2.7	2.4	2.7	2.7	3.3
137.5°	5.1	4.8	4.2	3.3	3.0	2.4	2.1	1.8	2.1	2.1	2.7
140°	4.2	4.2	3.3	2.7	2.4	2.1	1.8	1.2	1.5	1.8	2.1
142.5°	3.6	3.3	2.7	2.1	1.8	1.5	1.2	0.9	1.2	1.2	1.5
145°	3.0	2.7	2.1	1.5	1.2	0.9	0.6	0.6	0.6	0.6	0.9
147.5°	2.4	2.1	1.5	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.6
150°	1.8	1.8	1.2	0.6	0.3	0.3	0.0	0.3	0.3	0.3	0.3
152.5°	1.5	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.9	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	76.5	75.9	75.3	74.7	74.1	73.8	72.9	72.3	72.3	72.3	72.0
5°	77.4	76.2	74.7	73.5	72.0	70.8	69.9	69.0	68.4	68.4	68.4
7.5°	79.6	78.3	75.6	73.2	71.1	69.3	68.1	67.2	66.9	66.6	66.6
10°	84.4	82.3	78.6	75.0	72.0	69.6	68.4	67.8	67.5	67.5	67.5
12.5°	95.2	92.2	86.8	80.8	75.6	72.0	70.8	70.8	72.6	73.5	73.5
15°	109.7	107.0	100.6	92.2	84.1	78.0	77.1	79.3	81.7	82.9	82.6
17.5°	129.6	126.0	117.5	106.4	95.5	89.5	86.8	88.9	91.9	93.4	93.4
20°	153.1	149.5	138.0	122.9	109.7	103.1	98.8	98.8	102.8	104.0	104.6
22.5°	185.3	179.9	163.6	142.8	125.7	115.4	110.3	109.4	113.9	116.0	115.4
25°	221.5	217.3	198.3	167.2	144.9	128.4	121.4	121.4	127.2	132.0	132.3
27.5°	272.1	261.6	235.0	197.1	163.6	140.4	132.9	134.4	140.4	145.2	145.2
30°	325.1	317.6	278.7	228.7	181.7	151.6	140.7	143.1	148.6	154.0	154.0
32.5°	389.3	376.7	328.8	260.1	198.3	158.8	144.9	148.3	154.6	160.0	160.0
35°	452.0	441.8	379.1	292.9	212.7	161.8	146.8	150.7	157.9	164.5	165.1
37.5°	524.9	502.6	428.2	322.4	223.3	162.4	146.1	153.1	162.7	170.3	170.6
40°	568.6	541.8	461.3	344.4	228.1	160.3	146.1	154.9	163.0	165.7	165.4
42.5°	620.5	586.7	484.5	347.1	222.1	156.1	145.8	152.8	156.4	156.4	156.1
45°	690.1	652.1	521.3	348.6	209.7	151.0	143.4	148.0	147.1	144.3	143.4
47.5°	775.3	729.2	568.0	354.1	197.7	145.8	140.7	141.9	137.7	131.7	131.4
50°	877.2	822.9	622.9	359.8	187.1	141.6	138.3	137.1	132.9	127.8	127.2
52.5°	972.7	907.3	672.6	363.7	178.4	138.9	136.5	136.2	132.0	125.4	124.8
55°	1059.2	980.9	706.0	356.2	170.6	137.7	136.5	136.8	131.4	124.8	123.8
57.5°	1184.3	1098.4	759.1	345.0	161.2	137.4	137.4	137.7	131.1	124.8	123.8
60°	1293.0	1197.5	811.2	344.1	152.2	137.1	137.7	137.4	132.6	128.7	127.8
62.5°	1330.4	1239.4	813.6	322.4	146.4	135.6	136.5	138.0	137.1	135.3	134.4
65°	1400.9	1301.5	823.9	298.0	138.3	132.9	135.0	138.9	139.5	138.3	137.4
66°	1395.8	1292.7	813.9	290.5	135.6	131.4	134.1	138.3	139.5	139.2	138.6
67.5°	1370.5	1270.1	781.1	269.1	131.7	128.7	132.6	136.8	139.5	140.4	139.8
70°	1302.1	1202.0	715.7	236.9	124.2	122.3	127.8	133.2	137.7	139.2	138.9
72.5°	1109.5	1014.3	598.8	202.2	113.6	113.3	119.6	126.3	131.7	133.2	132.6
75°	931.4	837.7	491.8	166.6	102.8	103.1	109.1	115.4	119.6	119.6	119.9
77.5°	746.7	667.5	389.6	138.3	91.6	91.6	95.8	100.9	103.7	102.5	100.6
80°	574.3	521.9	304.3	115.7	80.5	79.9	82.0	85.9	88.0	85.3	83.2
82.5°	463.8	418.6	240.8	96.4	69.6	69.0	69.9	72.6	73.8	70.8	69.9
85°	352.0	311.3	181.1	79.3	60.3	58.8	60.3	60.9	62.4	59.7	57.9
87.5°	248.9	220.6	131.4	66.0	51.5	50.6	50.3	50.9	51.8	50.0	49.1
90°	167.2	146.8	94.9	55.1	44.0	42.5	41.9	41.9	42.5	39.5	38.6
92.5°	107.3	94.9	66.0	44.0	36.8	35.0	33.7	34.1	33.7	30.7	30.1
95°	66.9	60.6	47.6	34.7	29.5	28.0	26.8	26.5	26.2	24.1	23.5
97.5°	43.7	41.6	35.6	27.4	23.5	22.3	21.7	21.4	21.4	19.9	19.0
100°	32.5	31.6	28.0	22.9	19.3	18.4	17.8	17.8	18.4	17.2	16.6
102.5°	25.3	25.6	22.9	19.3	16.3	15.7	15.1	15.1	15.7	15.1	14.8
105°	19.3	19.3	18.7	16.0	13.9	13.6	13.0	13.0	13.6	13.6	13.6
107.5°	15.1	15.7	15.1	13.3	12.1	11.8	11.1	11.1	11.8	12.1	12.4



REPORT NUMBER: P414317

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.1	12.7	12.4	11.5	10.5	10.2	9.6	9.3	9.9	10.8	10.8
112.5°	9.6	10.2	10.2	9.6	9.0	9.0	8.4	8.1	8.7	9.6	9.6
115°	8.1	8.7	8.7	8.4	8.1	7.8	7.2	6.9	7.5	8.4	8.7
117.5°	6.9	7.5	7.5	7.5	7.2	6.9	6.3	6.0	6.3	7.2	7.5
120°	6.3	6.6	6.6	6.6	6.3	6.3	5.7	5.4	5.7	6.6	6.6
122.5°	5.4	5.7	6.0	6.0	5.7	5.7	5.1	4.5	4.8	5.7	6.0
125°	4.8	5.1	5.4	5.4	5.1	5.1	4.5	4.2	4.5	5.1	5.4
127.5°	4.5	4.8	4.8	4.8	4.8	4.5	3.9	3.6	3.9	4.8	4.8
130°	4.2	4.5	4.5	4.5	4.2	3.9	3.6	3.3	3.6	4.5	4.5
132.5°	3.9	4.2	4.2	3.9	3.9	3.6	3.0	2.7	3.3	3.9	3.9
135°	3.3	3.6	3.6	3.6	3.3	3.0	2.7	2.4	3.0	3.3	3.3
137.5°	2.7	3.0	3.0	3.0	2.7	2.4	2.1	2.1	2.4	3.0	3.0
140°	2.1	2.4	2.4	2.4	2.1	2.1	1.8	1.5	2.1	2.4	2.4
142.5°	1.5	1.8	1.8	1.8	1.5	1.5	1.2	1.2	1.8	2.1	2.1
145°	0.9	1.2	1.2	1.2	1.2	0.9	0.9	0.9	1.2	1.5	1.5
147.5°	0.6	0.9	0.9	0.9	0.9	0.6	0.3	0.6	0.9	1.2	1.2
150°	0.3	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.6	0.9	0.9
152.5°	0.3	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.0
157.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)