

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: P414335

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2618.9 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

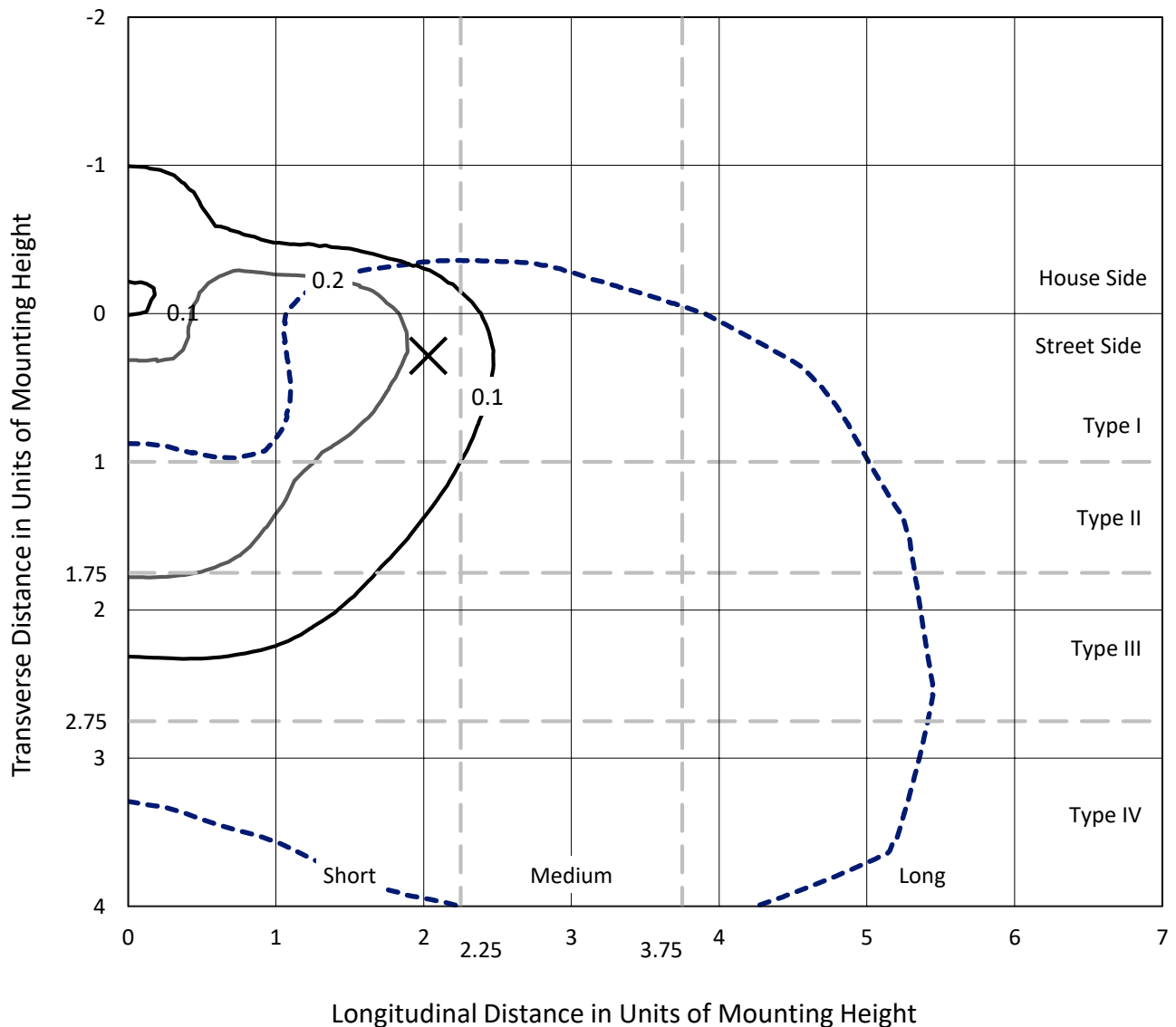
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

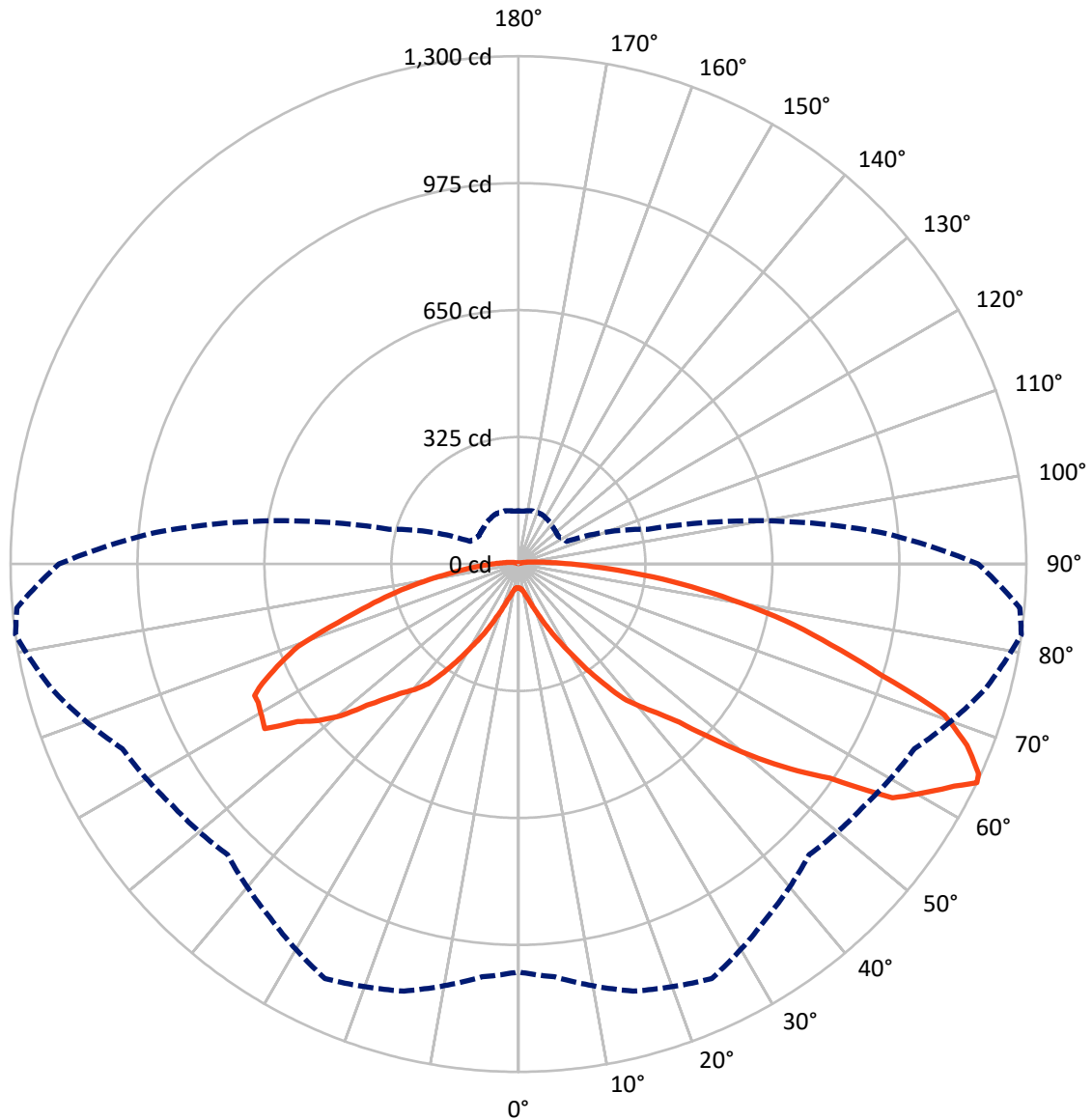


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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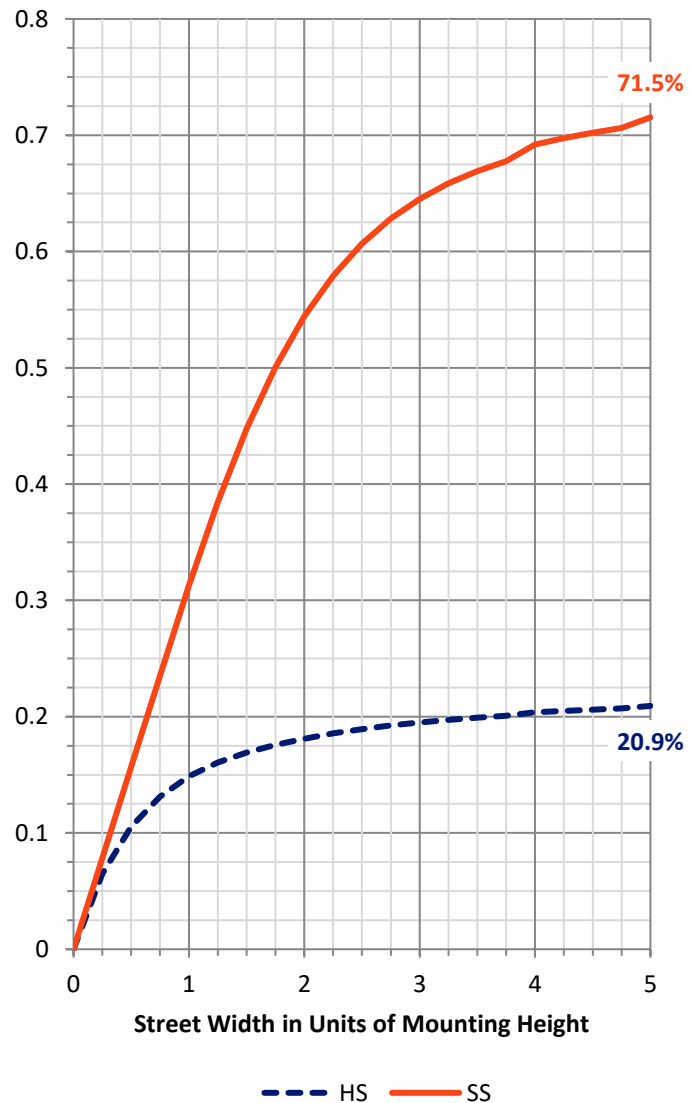
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.7	43.1	618.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1943.6	56.5	2000.1
	% Fixture	74.2	2.2	76.4
Total	Lumens	2519.4	99.6	2618.9
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.2
10°-20°	26.9	1.0
20°-30°	77.6	3.0
30°-40°	178.2	6.8
40°-50°	313.0	12.0
50°-60°	502.8	19.2
60°-70°	674.9	25.8
70°-80°	516.0	19.7
80°-90°	223.5	8.5
90°-100°	62.8	2.4
100°-110°	19.1	0.7
110°-120°	8.3	0.3
120°-130°	4.8	0.2
130°-140°	2.9	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2519.4	96.2
0°-180°	2618.9	100.0



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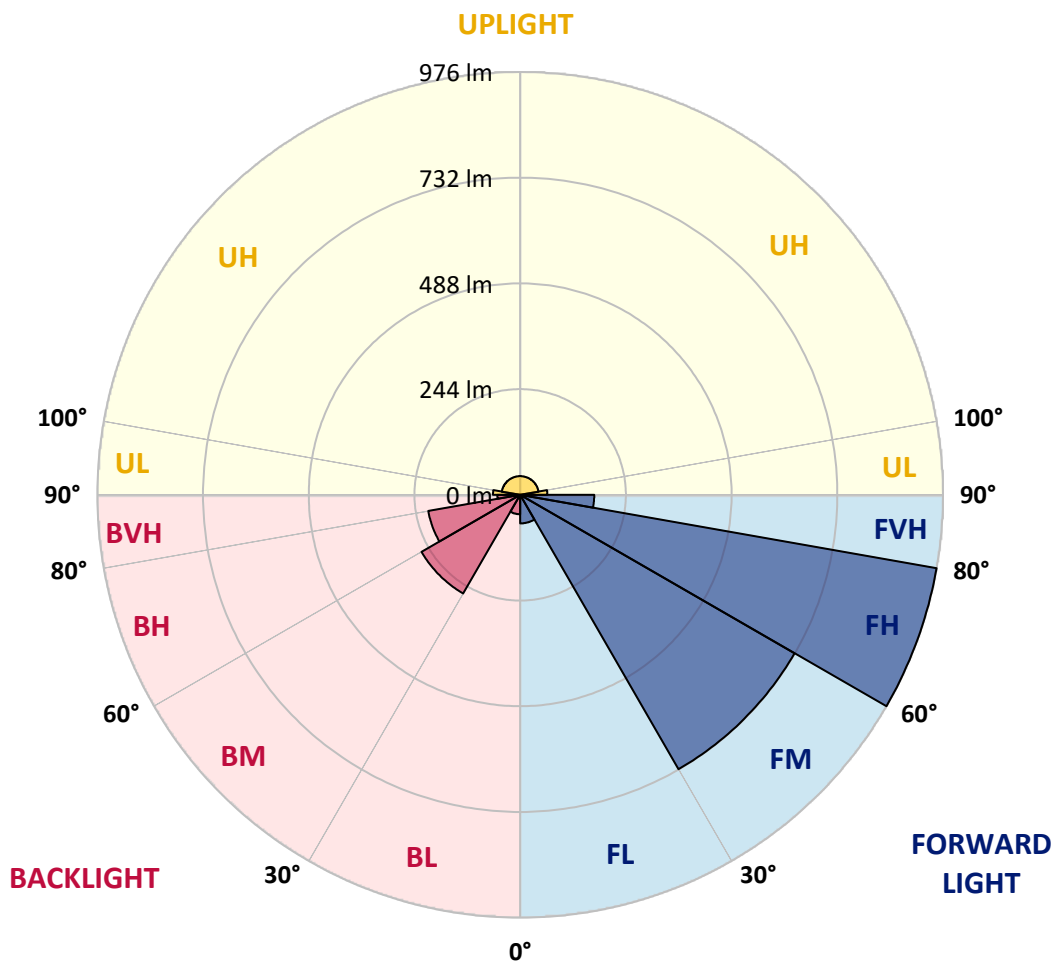
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.9	2.5			
FM (30°-60°)	731.1	27.9			
FH (60°-80°)	975.7	37.3			G1/1800
FVH (80°-90°)	170.9	6.5			G2/225
BL (0°-30°)	44.9	1.7	B0/110		
BM (30°-60°)	262.9	10.0	B1/1000		
BH (60°-80°)	215.2	8.2	B1/500		G1/500
BVH (80°-90°)	52.6	2.0			G1/100
UL (90°-100°)	62.8	2.4		U3/500	
UH (100°-180°)	43.1	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	65.7	65.4	65.4	65.7	65.7	65.1	63.9	63.0	62.1	61.8	61.5
5°	71.7	71.4	71.1	71.4	70.5	69.6	67.8	66.0	64.8	63.6	63.3
7.5°	79.9	79.6	79.3	78.7	77.5	75.7	72.9	70.5	68.4	66.9	66.3
10°	90.4	89.2	88.9	87.7	85.6	82.6	79.6	76.6	74.2	72.0	71.1
12.5°	104.9	104.9	102.5	99.8	96.2	91.6	87.7	85.3	82.9	81.7	79.9
15°	122.7	122.1	119.7	115.1	109.1	104.0	99.8	96.8	95.3	93.1	92.2
17.5°	142.3	141.1	139.0	132.0	124.8	119.4	114.5	111.5	110.6	108.8	108.5
20°	167.9	166.1	161.0	152.5	142.6	136.5	132.0	128.7	128.4	129.0	128.7
22.5°	198.3	197.1	190.8	175.4	164.3	155.5	149.5	150.1	154.0	155.8	153.4
25°	234.8	236.0	225.5	205.0	190.2	175.4	173.0	176.3	185.1	189.9	190.2
27.5°	277.9	277.6	263.8	241.1	218.2	201.7	197.7	207.4	219.7	226.7	226.7
30°	326.1	330.4	310.8	281.2	249.3	229.7	226.7	241.4	254.4	266.8	270.4
32.5°	390.4	389.4	364.1	328.6	286.1	258.3	255.9	274.6	303.8	321.0	321.0
35°	470.2	466.9	431.6	378.3	321.3	290.3	290.6	316.5	355.1	376.2	378.3
37.5°	539.0	541.7	506.1	441.3	366.8	326.7	330.4	365.3	411.8	436.5	444.9
40°	612.5	613.4	574.2	503.7	416.0	365.6	374.4	414.8	458.8	479.3	487.4
42.5°	677.3	682.7	643.6	566.4	465.7	413.3	417.5	452.7	496.5	520.9	532.3
45°	721.9	724.9	700.8	624.0	519.7	461.8	461.2	494.0	550.4	577.5	595.9
47.5°	782.5	790.6	756.0	681.8	575.1	511.2	506.1	548.3	622.5	666.5	682.1
50°	853.6	866.0	841.6	752.1	638.4	569.4	570.3	620.6	712.0	769.5	785.8
52.5°	924.5	929.3	913.0	836.5	712.0	637.2	644.5	707.5	812.4	871.4	881.4
55°	962.5	969.4	974.2	913.6	800.3	717.7	730.4	806.3	898.0	967.3	989.9
57.5°	998.6	1008.3	1020.9	979.6	888.0	817.2	829.5	897.1	1030.9	1129.8	1146.9
60°	1059.8	1068.3	1092.7	1058.9	968.5	912.1	925.1	1020.0	1122.5	1190.6	1192.5
62.5°	1058.9	1072.2	1131.3	1139.7	1054.7	1003.5	1035.1	1086.4	1167.4	1253.0	1251.2
64°	1044.5	1061.0	1132.2	1171.4	1107.1	1052.9	1080.3	1118.9	1237.1	1300.4	1288.9
65°	1034.2	1052.6	1129.5	1179.5	1135.8	1080.9	1101.4	1146.0	1257.3	1294.9	1279.3
67.5°	977.8	998.3	1100.2	1178.6	1165.3	1124.9	1131.6	1173.2	1223.8	1238.6	1210.5
70°	876.9	887.7	1003.5	1129.2	1136.1	1097.5	1115.6	1137.0	1164.7	1157.5	1120.7
72.5°	692.1	714.4	831.3	1010.4	1049.9	1022.1	1029.1	1039.6	1011.6	970.0	926.3
75°	492.8	512.7	621.8	797.0	914.2	903.1	912.7	895.8	864.8	826.8	784.0
77.5°	342.7	349.1	439.2	601.4	730.7	764.7	785.5	761.7	744.2	698.7	664.3
80°	221.9	232.4	289.1	435.6	579.0	648.7	682.1	666.8	626.1	553.4	514.2
82.5°	137.5	145.9	190.5	309.3	459.1	555.8	588.1	567.0	501.9	420.8	381.6
85°	78.7	80.5	111.5	201.4	335.5	441.6	484.7	450.9	375.3	296.9	262.5
87.5°	45.2	46.7	66.6	123.3	232.1	332.8	373.8	324.6	252.0	190.8	168.2
90°	28.9	30.7	43.1	80.5	149.5	237.8	268.0	222.8	168.8	120.9	106.4
92.5°	19.9	20.8	28.9	50.0	96.5	157.0	179.0	148.9	105.2	77.2	68.4
95°	14.5	15.1	20.5	34.1	62.1	98.6	110.6	94.3	69.0	51.2	45.8
97.5°	11.8	12.1	16.0	25.0	42.8	62.7	66.3	58.8	45.8	36.5	34.4
100°	9.9	10.2	13.3	19.3	30.4	41.0	41.9	39.5	32.3	27.1	25.9
102.5°	9.0	9.0	11.2	15.7	22.9	29.2	29.2	27.1	22.3	19.9	19.9
105°	8.1	8.1	9.6	13.0	18.1	22.6	22.3	19.9	16.9	15.1	15.4
107.5°	7.2	7.2	8.4	10.6	14.8	17.8	17.2	14.8	13.0	11.8	12.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	6.6	6.6	7.5	9.0	12.4	14.8	13.9	11.5	9.6	9.6	9.9
112.5°	6.0	6.0	6.6	8.1	10.6	12.1	11.2	9.0	7.8	7.8	8.1
115°	5.4	5.4	6.0	7.2	9.3	10.2	9.3	7.2	6.3	6.6	7.2
117.5°	5.1	5.1	5.7	6.6	8.1	8.7	7.8	6.0	5.4	6.0	6.3
120°	4.8	4.8	5.4	6.3	7.5	7.8	6.6	5.4	4.8	5.4	5.7
122.5°	4.8	4.8	5.1	6.0	6.9	6.9	6.0	4.8	4.2	4.8	5.1
125°	4.8	4.8	5.1	5.7	6.3	6.3	5.4	4.2	3.9	4.5	4.5
127.5°	5.1	5.1	5.4	5.7	6.0	5.7	4.8	3.9	3.6	4.2	4.2
130°	5.1	5.1	5.1	5.4	5.4	5.1	4.2	3.6	3.6	3.9	4.2
132.5°	5.1	5.1	5.1	5.1	5.1	4.5	3.9	3.3	3.6	3.9	4.2
135°	4.8	4.8	4.8	4.8	4.5	3.9	3.3	2.7	3.3	3.6	3.6
137.5°	4.2	4.5	4.2	4.2	4.2	3.6	2.7	2.4	2.7	3.3	3.3
140°	3.9	3.9	3.9	3.9	3.6	3.0	2.4	1.8	2.1	2.7	2.7
142.5°	3.6	3.6	3.6	3.3	3.3	2.7	1.8	1.5	1.8	2.1	2.1
145°	3.0	3.0	3.0	3.0	2.7	2.1	1.5	1.2	1.5	1.8	1.8
147.5°	2.4	2.4	2.4	2.4	2.1	1.8	1.2	1.2	1.5	1.5	1.5
150°	1.8	2.1	2.1	2.1	1.8	1.5	0.9	0.9	1.2	1.5	1.5
152.5°	1.5	1.5	1.5	1.8	1.5	0.9	0.6	0.9	1.2	1.2	1.2
155°	0.9	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2
157.5°	0.6	0.6	0.9	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9
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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.2	60.9	60.3	59.7	59.4	59.4	58.8	58.5	57.6	57.6	57.3
5°	62.4	61.8	60.6	59.4	58.5	58.2	57.6	56.7	56.1	55.8	55.8
7.5°	65.1	64.2	61.8	60.3	59.1	58.2	57.6	56.7	56.1	55.8	55.8
10°	69.6	68.1	65.4	62.7	60.9	59.7	59.1	58.8	58.5	58.2	58.2
12.5°	78.4	76.3	71.7	68.4	64.8	63.0	62.4	63.0	64.5	65.1	65.4
15°	90.4	87.7	82.3	76.3	70.8	67.8	69.0	72.0	74.8	76.0	75.7
17.5°	105.5	101.3	94.6	86.5	79.0	77.5	78.7	82.0	85.9	87.7	87.4
20°	124.8	121.5	111.5	98.3	89.8	87.4	88.3	92.5	98.3	100.1	100.7
22.5°	151.3	146.5	131.1	112.7	101.6	97.1	98.0	103.4	111.2	115.4	116.4
25°	185.7	180.6	157.9	129.9	112.4	105.5	109.1	116.4	129.0	135.6	135.0
27.5°	225.5	216.7	187.2	151.0	125.1	114.2	119.7	131.4	144.7	153.1	152.5
30°	262.2	254.7	215.2	170.3	135.9	122.7	128.4	143.5	158.9	169.1	169.7
32.5°	317.4	303.5	248.1	186.9	144.7	129.6	135.0	153.4	171.2	183.6	183.3
35°	374.4	358.7	284.2	206.2	152.2	134.1	139.9	160.7	180.3	195.0	195.3
37.5°	434.4	412.4	316.5	218.8	158.3	136.8	142.6	165.8	190.8	207.7	208.3
40°	474.8	449.7	336.1	225.5	160.1	138.7	145.0	169.4	192.6	205.0	206.2
42.5°	520.0	484.7	346.3	220.0	157.9	138.4	145.6	166.7	184.8	193.5	194.4
45°	582.4	535.0	357.5	211.6	152.2	137.5	143.2	159.5	171.2	174.5	174.5
47.5°	663.4	596.2	376.2	202.6	146.2	134.7	139.0	149.5	154.0	153.4	151.9
50°	760.8	683.0	398.8	194.7	140.5	131.4	134.1	140.2	141.7	139.9	139.0
52.5°	857.9	753.0	414.5	187.8	136.8	128.4	130.2	134.7	134.7	129.3	128.4
55°	946.8	816.3	410.2	174.5	134.1	126.9	128.7	132.0	129.3	123.0	121.8
57.5°	1090.6	925.7	421.1	161.6	130.2	126.6	129.0	131.1	127.2	121.2	120.0
60°	1116.2	921.2	395.5	153.4	127.5	127.5	130.2	132.6	129.9	124.5	124.2
62.5°	1151.8	925.4	356.6	141.7	125.7	128.1	132.9	136.5	136.2	132.3	131.7
64°	1176.8	931.4	342.7	136.2	124.2	128.1	135.0	140.5	140.5	135.9	135.9
65°	1152.1	908.5	332.5	133.5	122.7	128.1	136.2	142.9	142.3	138.7	138.1
67.5°	1077.3	834.1	289.1	127.5	119.4	128.1	139.6	146.8	147.7	144.7	143.5
70°	986.0	752.7	251.4	120.6	116.1	126.6	139.6	149.2	150.7	147.4	146.5
72.5°	803.6	605.3	207.4	113.0	111.2	123.0	137.8	148.0	149.5	145.6	144.4
75°	673.7	494.3	171.8	105.8	106.1	118.5	133.2	142.6	142.6	138.4	136.5
77.5°	554.9	399.1	142.3	98.9	100.1	112.7	125.1	131.1	129.3	125.4	123.0
80°	415.7	301.4	117.3	91.3	92.5	103.4	113.6	117.9	116.1	111.2	110.6
82.5°	304.1	216.7	100.1	83.5	84.4	93.1	100.7	104.3	105.8	101.9	100.7
85°	199.8	152.8	85.9	75.7	76.3	82.9	87.7	90.7	94.0	92.8	92.2
87.5°	130.5	105.8	72.6	66.6	67.2	72.6	76.0	79.0	85.6	86.5	85.3
90°	87.7	74.2	60.0	57.6	58.5	63.0	64.8	67.8	75.1	76.3	76.3
92.5°	58.8	53.1	48.5	48.5	50.0	54.0	54.3	55.2	61.2	62.7	62.1
95°	41.3	39.5	39.2	39.8	41.6	44.6	43.1	42.5	46.4	46.7	46.1
97.5°	31.7	31.0	31.7	32.6	33.5	36.5	35.0	33.5	35.3	34.7	35.3
100°	25.3	25.0	25.9	25.9	26.8	29.5	28.3	27.4	27.7	26.5	26.5
102.5°	20.2	20.2	21.1	21.4	22.0	24.1	23.8	22.9	22.3	21.1	21.4
105°	15.7	16.0	17.2	17.5	18.4	20.2	19.9	18.7	18.1	16.6	16.9
107.5°	12.7	13.3	14.2	14.5	15.4	16.9	16.3	15.1	14.2	13.6	13.6



REPORT NUMBER: P414335

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.6	10.9	11.8	12.1	13.0	14.2	13.9	12.4	11.2	10.9	11.2
112.5°	8.7	9.3	9.9	10.2	11.2	12.1	11.2	9.9	9.0	9.3	9.3
115°	7.5	7.8	8.4	8.7	9.3	10.2	9.3	8.1	7.5	7.8	8.1
117.5°	6.9	7.2	7.5	7.5	8.1	8.7	7.8	6.9	6.6	6.9	7.2
120°	6.0	6.3	6.6	6.9	7.2	7.5	6.9	6.0	5.7	6.3	6.3
122.5°	5.4	5.7	5.7	6.0	6.3	6.6	6.0	5.4	5.1	5.4	5.7
125°	4.8	5.1	5.4	5.4	5.7	5.7	5.4	4.8	4.8	5.1	5.1
127.5°	4.5	4.8	4.8	5.1	5.1	5.1	4.8	4.2	4.5	4.8	4.8
130°	4.5	4.5	4.5	4.5	4.5	4.5	4.2	3.9	4.2	4.5	4.5
132.5°	4.2	4.2	4.2	4.2	4.2	3.9	3.6	3.6	3.9	4.2	4.2
135°	3.9	3.9	3.6	3.6	3.6	3.6	3.3	3.3	3.3	3.6	3.6
137.5°	3.3	3.3	3.0	3.0	3.0	3.0	2.7	2.7	3.0	3.3	3.3
140°	2.7	2.7	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.7	3.0
142.5°	2.1	2.1	2.1	1.8	1.8	2.1	2.1	2.1	2.4	2.4	2.4
145°	1.8	1.8	1.8	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1
147.5°	1.5	1.5	1.5	1.2	0.9	1.5	1.5	1.5	1.8	1.5	1.5
150°	1.5	1.5	1.2	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.9	0.6	0.6	0.9	1.2	0.9	0.9	0.9
155°	1.2	1.2	0.9	0.9	0.6	0.3	0.6	0.9	0.6	0.6	0.6
157.5°	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.3
160°	0.9	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.3	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)