

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: P414326

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2621.9 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

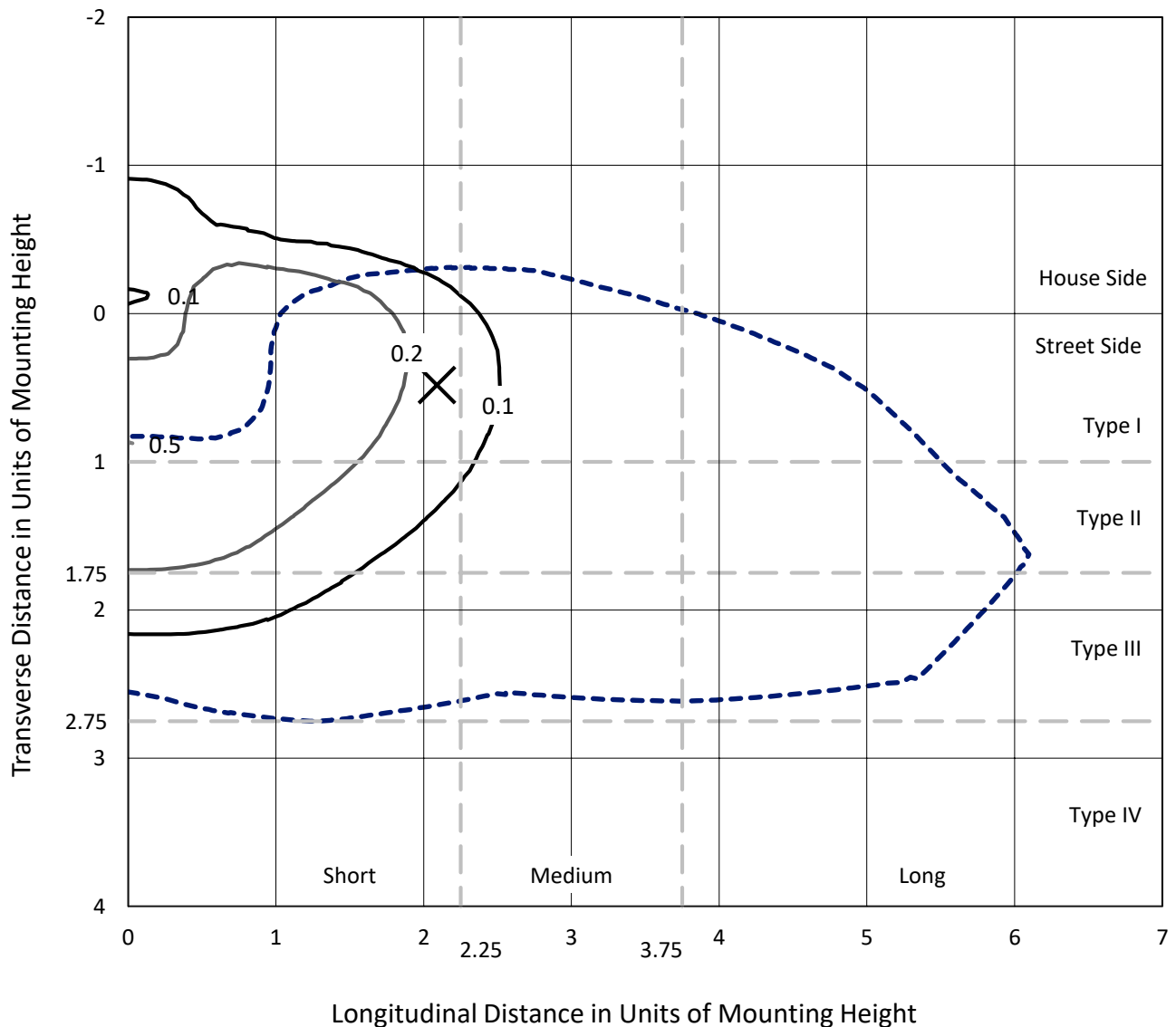
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

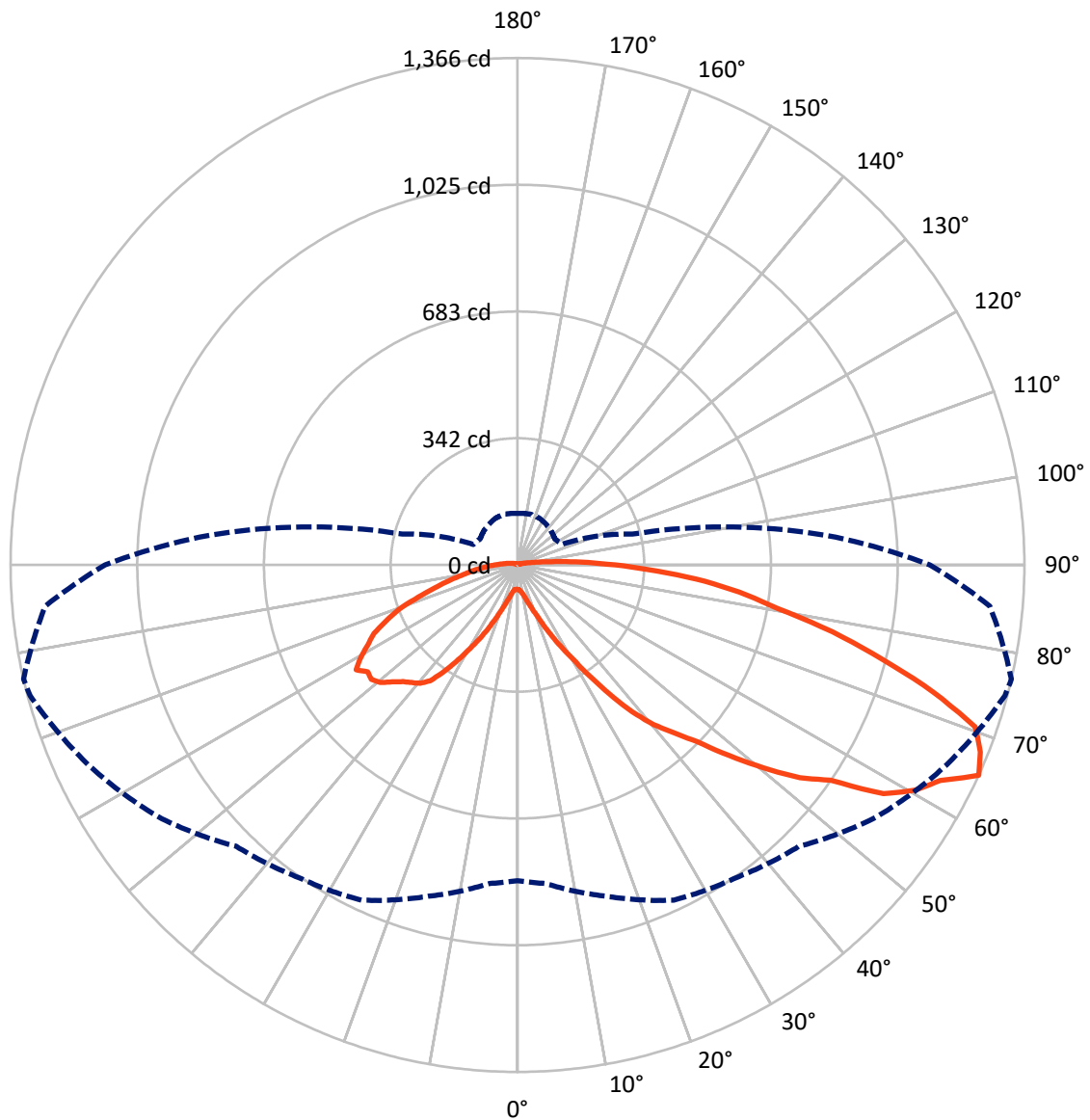


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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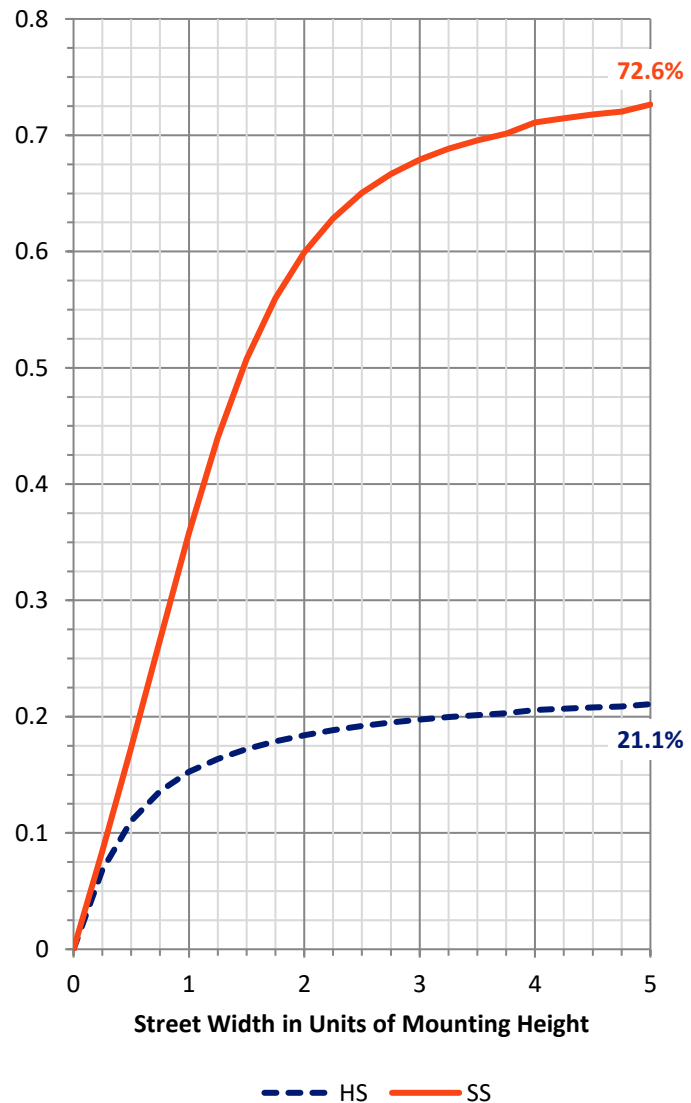
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	577.8	41.1	618.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1951.8	51.3	2003.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	2529.5	92.4	2621.9
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.3
10°-20°	28.7	1.1
20°-30°	84.2	3.2
30°-40°	201.5	7.7
40°-50°	362.8	13.8
50°-60°	551.8	21.0
60°-70°	650.9	24.8
70°-80°	448.6	17.1
80°-90°	194.5	7.4
90°-100°	56.8	2.2
100°-110°	17.8	0.7
110°-120°	8.3	0.3
120°-130°	4.9	0.2
130°-140°	3.0	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°	2529.5	96.5
0°-180°	2621.9	100.0



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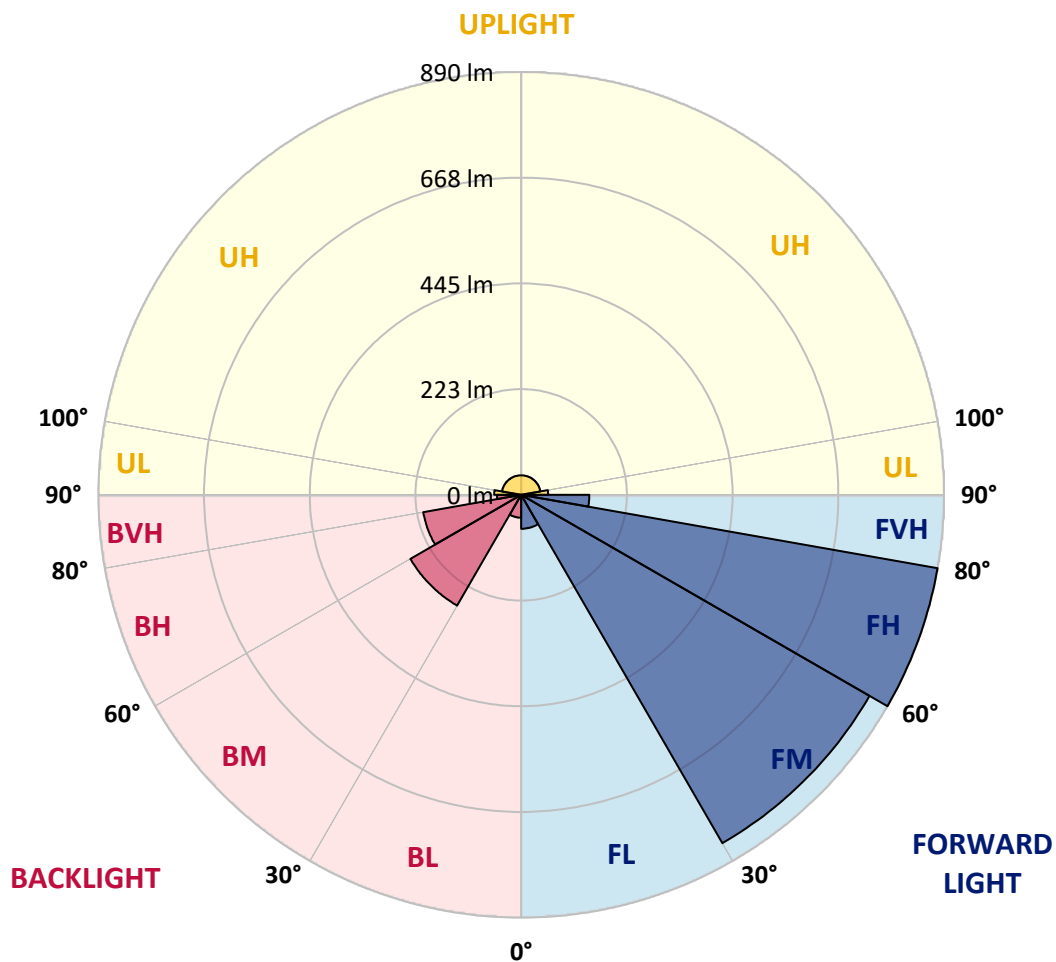
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.5	2.7			
FM	(30°-60°)	846.7	32.3			
FH	(60°-80°)	890.1	33.9			G1/1800
FVH	(80°-90°)	143.5	5.5			G2/225
BL	(0°-30°)	48.2	1.8	B0/110		
BM	(30°-60°)	269.3	10.3	B1/1000		
BH	(60°-80°)	209.3	8.0	B1/500		G1/500
BVH	(80°-90°)	51.0	1.9			G1/100
UL	(90°-100°)	56.8	2.2		U3/500	
UH	(100°-180°)	41.1	1.6		U2/50	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	70.8	70.5	70.5	70.8	70.2	69.6	68.7	67.8	66.9	66.9	66.3
5°	76.6	76.3	76.3	76.3	75.0	74.1	72.0	70.8	69.6	69.0	68.1
7.5°	84.1	83.2	83.5	83.2	81.4	79.6	77.5	75.0	73.5	73.2	71.4
10°	94.0	93.4	92.8	91.6	89.8	86.8	83.8	81.7	79.6	79.3	77.2
12.5°	108.2	107.6	106.4	103.7	99.8	96.1	93.1	90.7	89.5	88.9	86.8
15°	125.4	123.6	123.0	118.7	113.3	109.1	105.8	104.3	103.1	103.1	100.4
17.5°	145.6	145.6	142.6	136.8	129.9	124.8	121.5	118.7	119.7	119.4	117.8
20°	170.6	170.0	165.5	157.9	149.5	144.7	140.4	138.9	140.1	141.4	141.4
22.5°	206.8	205.2	198.3	186.9	174.5	166.7	163.7	163.4	168.2	169.7	171.5
25°	247.4	245.3	236.6	222.7	207.4	195.3	191.1	194.4	203.1	206.5	210.1
27.5°	296.6	295.4	282.1	263.1	244.7	229.1	224.2	234.5	246.2	247.4	254.7
30°	359.9	360.5	342.4	315.0	283.6	267.3	261.9	274.3	291.7	293.0	307.4
32.5°	433.1	433.1	406.0	372.8	332.4	309.5	304.4	324.3	351.7	355.9	369.8
35°	526.5	521.1	486.4	438.8	388.2	354.1	353.5	384.6	422.2	426.5	441.5
37.5°	610.3	613.6	578.4	516.3	447.9	408.7	413.8	453.3	500.9	502.1	518.4
40°	701.0	704.7	663.1	598.3	514.2	470.2	480.4	517.2	564.5	565.4	571.1
42.5°	772.2	781.5	742.6	675.1	590.1	540.1	542.5	576.9	613.3	617.9	621.8
45°	814.7	821.6	800.2	746.2	657.0	610.0	604.3	632.3	679.9	678.7	684.5
47.5°	881.6	889.7	856.9	807.7	732.4	674.2	667.0	703.4	761.9	767.9	762.5
50°	950.9	961.7	937.9	880.7	802.9	746.2	747.1	788.7	856.9	859.0	862.3
52.5°	999.4	1007.2	997.9	958.1	875.5	824.0	832.1	881.9	948.8	952.7	939.4
55°	1006.9	1019.0	1026.5	1017.5	955.1	904.2	925.0	974.7	1019.9	1023.2	1013.0
57.5°	1004.5	1014.5	1030.5	1037.4	1006.0	986.8	1013.6	1064.5	1151.6	1162.8	1157.6
60°	1001.8	1009.1	1042.2	1052.5	1034.7	1050.0	1092.8	1183.6	1231.5	1232.4	1185.7
62.5°	926.5	938.5	1000.9	1052.5	1047.6	1076.9	1170.6	1233.6	1271.6	1278.5	1233.9
65°	850.8	861.4	924.1	996.4	1028.3	1072.3	1182.7	1275.5	1359.9	1366.2	1277.9
67.5°	741.4	758.0	826.4	913.5	952.7	1022.9	1151.0	1290.3	1342.7	1345.4	1244.4
70°	604.0	626.6	703.7	795.7	842.7	913.8	1080.2	1237.5	1310.7	1309.2	1189.0
72.5°	435.2	455.4	525.9	635.0	708.6	786.3	950.6	1132.6	1174.2	1172.7	1011.5
75°	295.7	306.5	359.6	459.3	565.1	656.4	818.9	982.5	1017.8	1015.1	866.5
77.5°	193.8	206.2	240.5	325.8	424.4	529.5	687.5	822.5	878.0	868.0	734.5
80°	118.7	125.7	154.0	220.0	321.6	427.4	568.4	695.9	724.5	710.1	599.8
82.5°	74.1	79.6	99.8	145.3	230.9	330.0	466.3	585.9	617.9	601.6	493.4
85°	45.5	48.2	62.1	95.5	156.7	242.6	374.9	475.3	494.9	483.1	371.9
87.5°	33.2	33.8	42.5	64.5	105.8	173.6	276.1	358.1	372.2	350.5	260.7
90°	24.4	25.6	31.3	45.5	73.5	117.8	190.2	252.0	255.6	242.3	174.2
92.5°	18.4	19.0	23.5	32.2	50.6	80.5	126.9	168.8	165.5	156.1	108.2
95°	13.3	13.6	16.9	22.9	35.6	53.9	80.8	105.8	95.2	91.3	65.7
97.5°	10.9	11.2	13.6	17.8	26.2	38.0	52.1	63.0	56.1	53.6	42.2
100°	9.3	9.3	11.5	14.8	20.5	28.3	34.7	39.5	36.2	35.0	29.8
102.5°	8.4	8.4	9.9	12.4	16.9	22.3	25.6	27.1	25.3	24.4	22.0
105°	7.5	7.5	8.7	10.5	14.2	18.1	19.6	19.9	18.1	17.8	16.9
107.5°	6.9	6.9	7.8	9.3	12.1	15.1	15.7	14.8	13.9	13.3	13.3
110°	6.0	6.3	6.9	8.1	10.5	12.7	12.7	11.5	10.2	10.2	10.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.7	5.7	6.3	7.5	9.3	10.9	10.2	9.0	8.1	8.1	8.7
115°	5.1	5.1	5.7	6.9	8.4	9.3	8.7	7.5	6.6	6.9	7.5
117.5°	4.8	4.8	5.4	6.3	7.5	8.1	7.5	6.3	5.7	6.0	6.9
120°	4.8	4.8	5.4	6.0	6.9	7.2	6.6	5.4	5.1	5.1	6.0
122.5°	4.8	4.8	5.1	6.0	6.6	6.6	5.7	4.8	4.5	4.5	5.4
125°	4.8	4.8	5.4	6.0	6.0	6.0	5.1	4.2	3.9	4.2	4.8
127.5°	5.1	5.1	5.4	5.7	5.7	5.4	4.5	3.9	3.6	3.9	4.5
130°	5.1	5.1	5.4	5.7	5.4	4.8	4.2	3.6	3.6	3.6	4.5
132.5°	5.1	5.1	5.4	5.4	5.1	4.2	3.6	3.0	3.3	3.6	4.2
135°	4.8	4.8	4.8	4.8	4.5	3.9	3.0	2.7	3.0	3.3	3.9
137.5°	4.5	4.5	4.5	4.5	3.9	3.3	2.4	2.1	2.7	2.7	3.3
140°	3.9	3.9	4.2	3.9	3.6	2.7	2.1	1.5	2.1	2.1	2.7
142.5°	3.6	3.6	3.6	3.6	3.0	2.4	1.5	1.5	1.8	1.8	2.1
145°	3.0	3.0	3.3	3.0	2.4	1.8	1.2	1.2	1.5	1.5	1.8
147.5°	2.4	2.7	2.7	2.4	2.1	1.5	0.9	0.9	1.2	1.2	1.5
150°	2.1	2.1	2.1	2.1	1.5	0.9	0.6	0.9	1.2	1.2	1.2
152.5°	1.5	1.5	1.8	1.8	1.2	0.6	0.6	0.9	0.9	0.9	1.2
155°	1.2	1.2	1.5	1.2	0.9	0.3	0.6	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.9
160°	0.3	0.3	0.9	0.9	0.6	0.3	0.3	0.3	0.6	0.6	0.6
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°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	66.0	65.4	65.1	64.5	63.9	63.3	63.3	63.3	63.0	62.7	63.0
5°	67.2	66.9	65.4	64.2	63.0	62.4	61.8	61.5	61.5	60.9	60.9
7.5°	70.5	69.3	67.2	65.1	63.9	62.7	61.8	61.5	61.2	60.6	60.6
10°	75.6	74.1	71.7	68.4	66.3	64.2	63.3	63.3	63.0	62.7	62.7
12.5°	85.3	83.5	79.3	74.7	70.5	67.5	66.9	67.8	69.6	69.9	69.9
15°	99.5	97.3	91.9	84.7	78.1	73.8	74.4	76.9	79.3	80.2	80.2
17.5°	116.9	114.5	106.7	96.1	87.4	83.5	83.2	86.5	89.8	91.6	91.6
20°	140.4	136.5	126.3	111.2	99.2	94.6	92.8	95.8	101.0	103.1	102.5
22.5°	169.7	165.2	150.7	127.8	112.7	104.6	102.2	105.5	111.8	114.5	114.2
25°	208.3	203.7	180.2	148.6	126.0	113.3	111.8	116.6	126.0	131.4	130.8
27.5°	253.2	245.6	214.3	171.8	138.9	120.6	120.9	129.0	138.6	144.7	144.1
30°	301.1	291.4	248.6	194.1	151.0	128.7	128.1	137.7	147.7	154.0	154.0
32.5°	364.4	350.2	288.4	215.5	160.3	135.0	132.9	143.8	154.0	160.6	160.3
35°	432.2	413.2	330.0	238.1	168.2	138.3	135.9	147.1	157.6	165.5	165.5
37.5°	510.0	477.7	368.9	253.8	173.6	140.1	136.8	149.5	162.4	170.6	170.0
40°	550.9	514.8	387.6	260.7	174.5	140.4	138.3	151.6	162.4	165.5	164.0
42.5°	596.8	550.0	395.4	252.3	171.2	139.8	139.2	149.5	154.3	153.4	152.5
45°	654.6	591.6	403.0	241.7	163.4	138.9	137.7	143.8	144.1	140.4	139.2
47.5°	728.5	648.9	415.3	229.1	155.5	136.8	135.3	138.0	132.9	126.3	124.2
50°	807.7	715.2	430.7	218.2	148.3	134.1	132.6	131.7	126.6	120.0	118.7
52.5°	876.7	760.1	434.9	206.8	143.5	132.3	130.5	129.6	124.8	117.2	115.7
55°	938.5	798.4	420.1	189.6	139.5	131.1	130.5	130.5	125.4	117.5	116.0
57.5°	1060.6	890.0	425.6	172.1	134.4	130.8	131.7	132.0	127.2	119.7	118.1
60°	1064.2	872.5	393.9	159.7	129.9	130.8	132.9	133.5	130.2	125.1	124.2
62.5°	1098.9	873.1	351.4	143.8	126.9	130.2	133.8	135.9	136.2	133.2	132.6
65°	1111.5	860.5	320.7	131.1	122.7	128.7	134.1	139.2	141.1	139.5	138.9
67.5°	1063.0	802.3	278.8	122.7	118.4	126.3	133.8	140.1	144.1	145.0	145.0
70°	999.1	736.9	241.4	114.5	113.9	123.0	131.7	140.1	145.6	148.0	148.0
72.5°	837.0	605.2	199.2	106.1	107.9	117.8	127.2	137.4	143.5	145.6	144.7
75°	700.1	498.2	164.0	98.9	101.9	111.5	120.9	130.8	135.0	136.2	135.3
77.5°	592.2	414.4	134.7	92.2	94.6	103.4	111.8	118.7	121.5	120.9	119.4
80°	477.4	323.4	110.6	84.1	86.5	93.4	99.5	104.9	107.6	106.1	105.2
82.5°	380.1	257.1	94.3	76.9	77.8	83.5	87.7	91.9	96.4	95.2	92.8
85°	281.2	189.3	80.2	69.0	69.0	73.2	75.3	79.3	85.6	85.3	84.4
87.5°	192.3	134.7	68.1	61.2	60.9	63.3	64.5	68.7	76.9	77.2	76.3
90°	126.6	92.2	57.0	53.0	52.4	54.3	55.2	58.8	65.4	66.0	64.8
92.5°	82.3	63.9	46.7	44.9	44.6	46.1	45.8	48.2	52.7	52.4	51.5
95°	52.7	44.6	38.0	37.1	36.2	38.0	37.4	38.0	40.4	39.8	39.8
97.5°	36.5	34.1	31.3	29.8	29.2	31.0	30.4	30.4	31.6	30.4	29.8
100°	28.0	27.1	25.9	24.7	23.5	25.0	25.0	25.0	25.9	24.1	23.5
102.5°	21.7	21.4	21.4	20.5	19.6	20.8	21.1	21.4	21.1	19.3	19.0
105°	17.2	17.2	17.8	16.9	16.6	17.5	17.8	17.5	17.5	16.0	16.0
107.5°	13.6	14.2	14.8	14.2	14.2	14.8	14.8	14.8	14.2	13.3	13.6
110°	11.2	11.8	12.7	12.1	12.1	12.7	12.4	12.1	11.8	11.5	11.5



REPORT NUMBER: P414326

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.6	9.9	10.5	10.2	10.5	10.9	10.5	9.9	9.9	9.9	10.2
115°	8.1	8.7	9.3	9.0	9.0	9.3	8.7	8.4	8.4	8.7	8.7
117.5°	7.2	7.8	8.1	8.1	7.8	8.1	7.5	7.2	7.5	7.8	7.8
120°	6.6	6.9	7.2	7.2	6.9	6.9	6.6	6.3	6.6	6.9	7.2
122.5°	6.0	6.3	6.3	6.6	6.3	6.0	5.7	5.7	6.0	6.3	6.3
125°	5.4	5.7	5.7	5.7	5.7	5.4	5.1	5.1	5.4	5.7	6.0
127.5°	4.8	5.1	5.1	5.4	5.1	4.8	4.5	4.8	5.1	5.4	5.4
130°	4.8	4.8	4.8	4.8	4.5	4.2	4.2	4.2	4.8	5.1	5.1
132.5°	4.5	4.8	4.5	4.5	4.2	3.6	3.6	3.9	4.5	4.8	4.8
135°	4.2	4.2	3.9	3.9	3.6	3.3	3.0	3.6	3.9	4.2	4.2
137.5°	3.6	3.6	3.3	3.0	3.0	2.7	2.7	3.0	3.6	3.9	3.9
140°	2.7	3.0	2.7	2.4	2.4	2.1	2.4	2.7	3.3	3.3	3.3
142.5°	2.1	2.4	2.1	1.8	1.8	1.8	1.8	2.4	3.0	3.0	3.0
145°	1.8	1.8	1.8	1.5	1.2	1.2	1.5	2.1	2.7	2.7	2.7
147.5°	1.5	1.5	1.5	1.2	0.9	0.9	1.2	1.8	2.1	2.1	2.1
150°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.5	1.8	1.8	1.8
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.6	1.2	1.5	1.5	1.5
155°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.9	1.2	0.9	0.9
160°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.6	0.9	0.6	0.6
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)