

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: P414231

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414231
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-PA1-20-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2385 lumens
Efficiency: N/A
Efficacy: 113.6 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

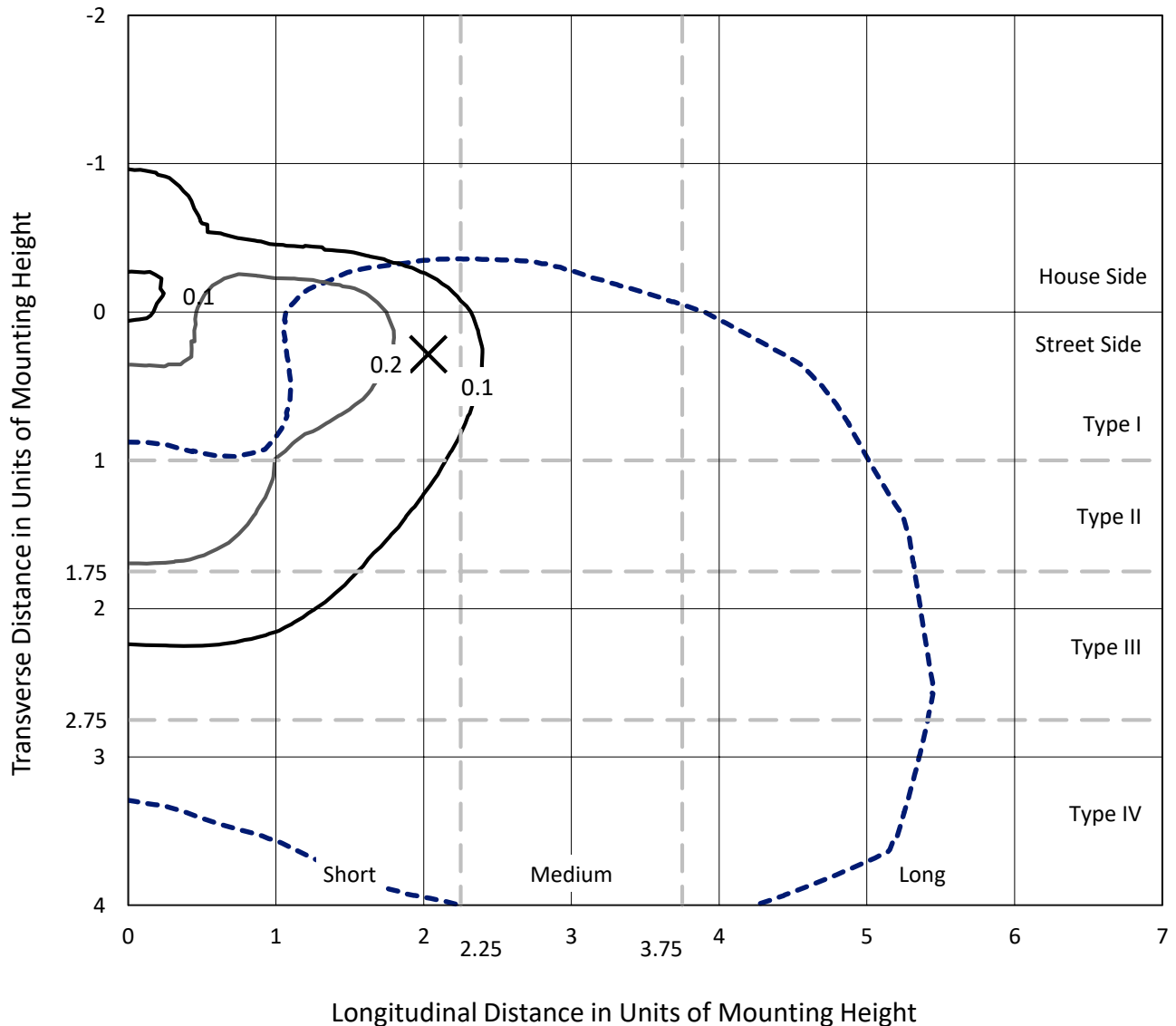
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414231
 CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

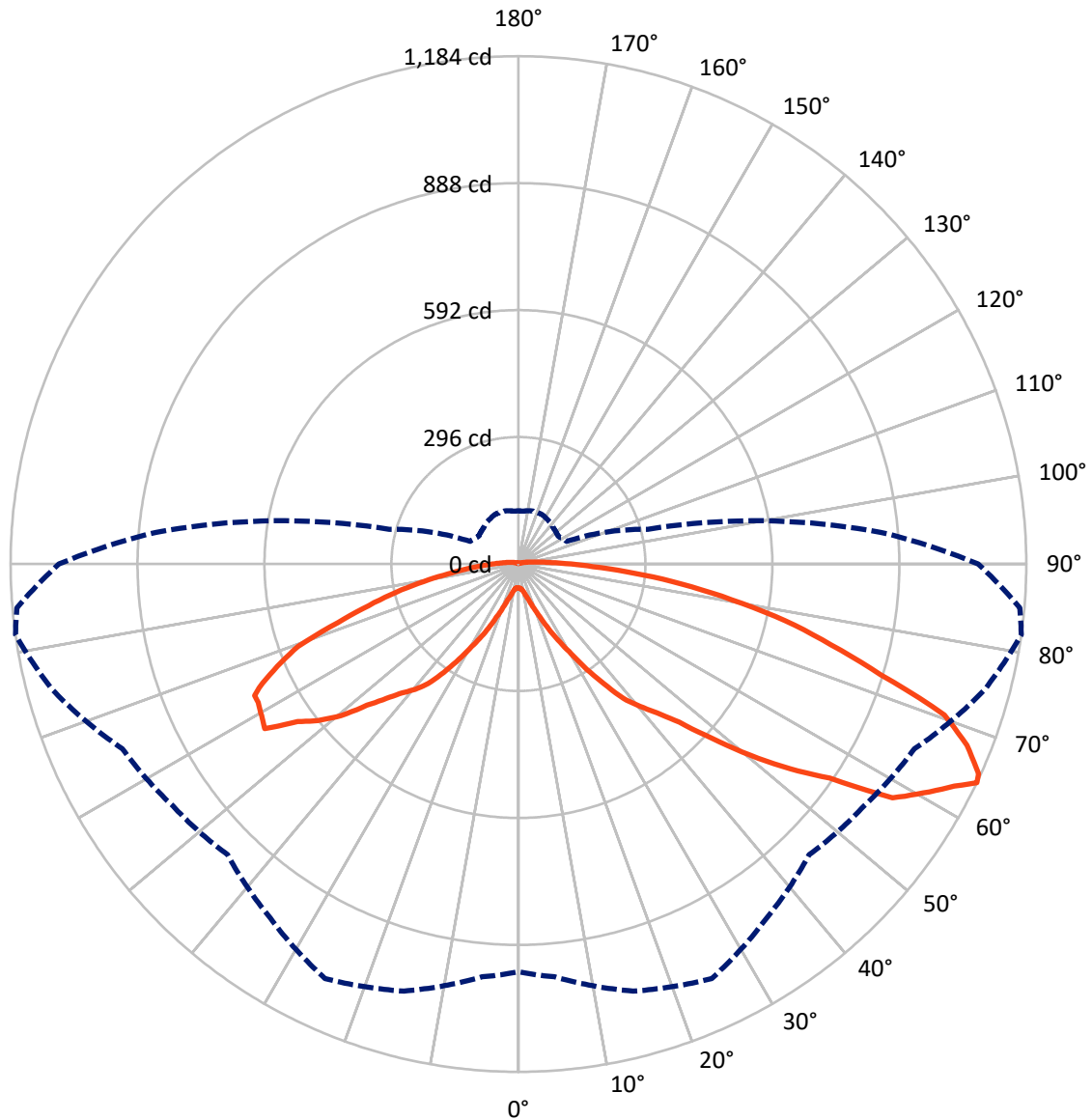


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P414231

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414231

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

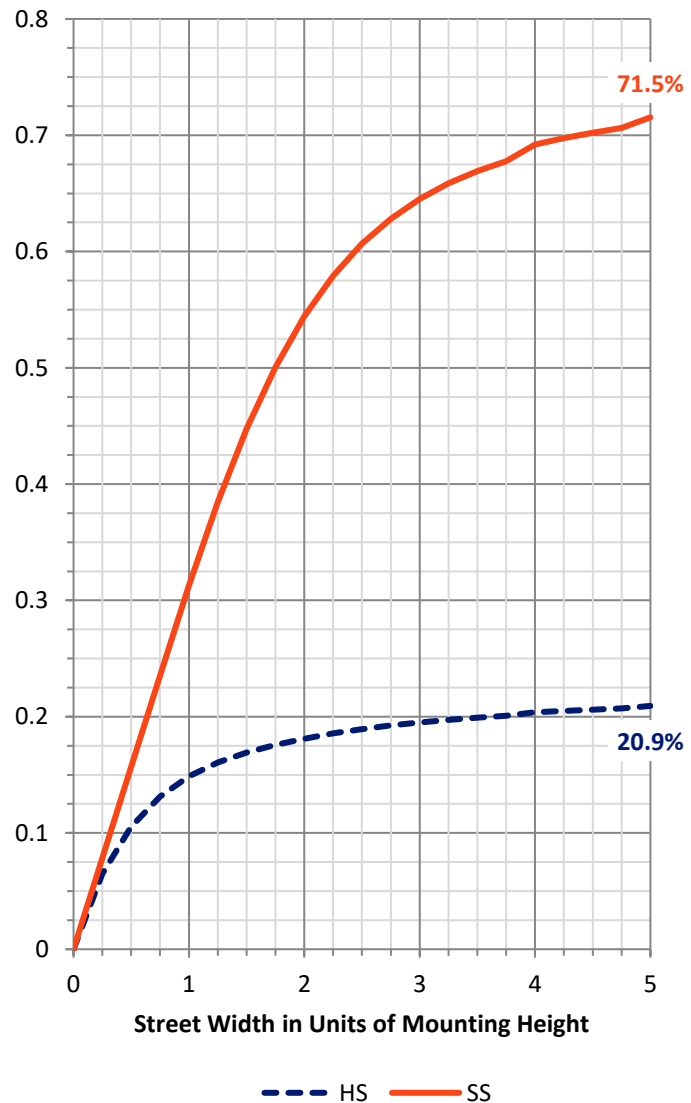
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	524.3	39.3	563.6
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1770.0	51.5	1821.4
	% Fixture	74.2	2.2	76.4
Total	Lumens	2294.3	90.7	2385.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	24.5	1.0
20°-30°	70.7	3.0
30°-40°	162.3	6.8
40°-50°	285.0	12.0
50°-60°	457.9	19.2
60°-70°	614.6	25.8
70°-80°	469.9	19.7
80°-90°	203.5	8.5
90°-100°	57.2	2.4
100°-110°	17.4	0.7
110°-120°	7.6	0.3
120°-130°	4.4	0.2
130°-140°	2.6	0.1
140°-150°	1.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2294.3	96.2
0°-180°	2385.0	100.0



REPORT NUMBER: P414231

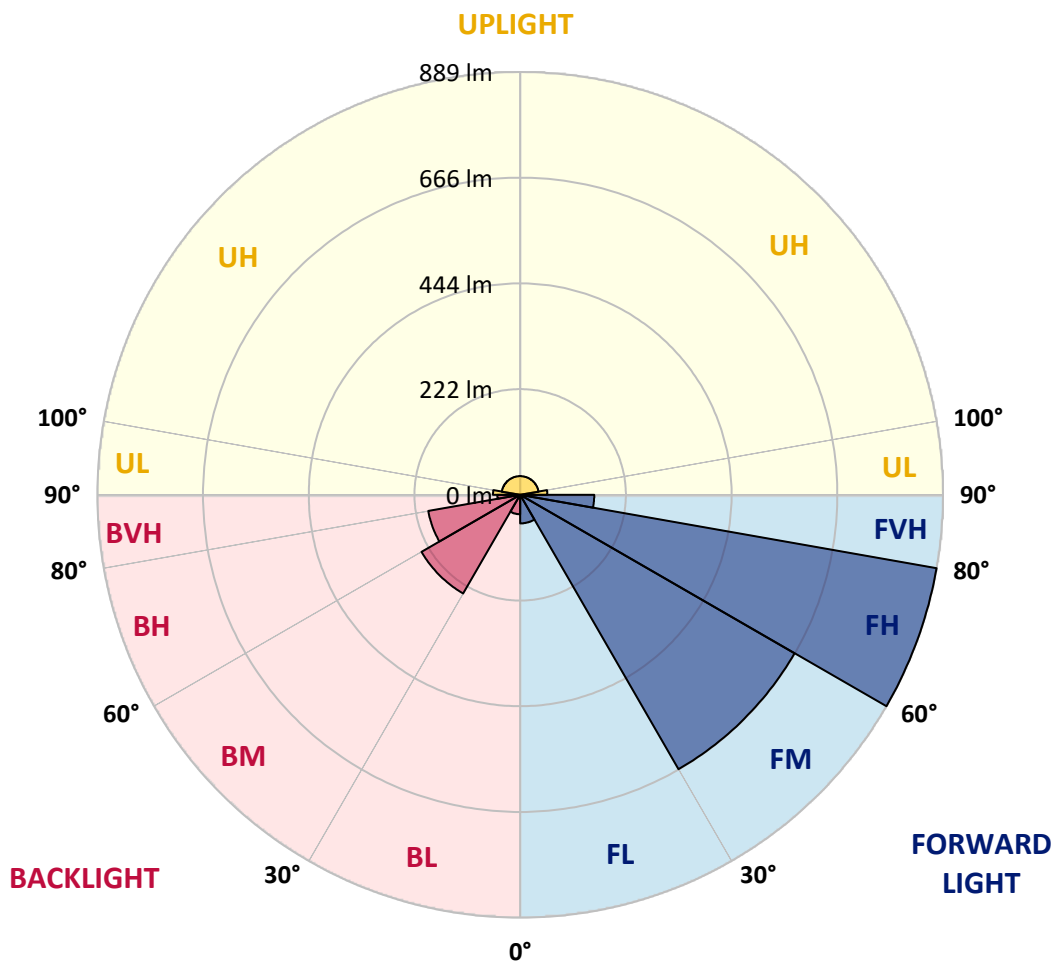
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.0	2.5			
FM	(30°-60°)	665.8	27.9			
FH	(60°-80°)	888.5	37.3			G1/1800
FVH	(80°-90°)	155.6	6.5			G2/225
BL	(0°-30°)	40.9	1.7	B0/110		
BM	(30°-60°)	239.5	10.0	B1/1000		
BH	(60°-80°)	196.0	8.2	B1/500		G1/500
BVH	(80°-90°)	47.9	2.0			G1/100
UL	(90°-100°)	57.2	2.4		U3/500	
UH	(100°-180°)	39.3	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P414231

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	59.8	59.6	59.6	59.8	59.8	59.3	58.2	57.4	56.5	56.3	56.0
5°	65.3	65.1	64.8	65.1	64.2	63.4	61.8	60.1	59.0	57.9	57.6
7.5°	72.7	72.5	72.2	71.6	70.5	68.9	66.4	64.2	62.3	60.9	60.4
10°	82.3	81.3	81.0	79.9	78.0	75.2	72.5	69.7	67.5	65.6	64.8
12.5°	95.5	95.5	93.3	90.9	87.6	83.4	79.9	77.7	75.5	74.4	72.7
15°	111.7	111.2	109.0	104.9	99.4	94.7	90.9	88.1	86.7	84.8	84.0
17.5°	129.6	128.5	126.5	120.2	113.6	108.7	104.3	101.6	100.7	99.1	98.8
20°	152.9	151.2	146.6	138.9	129.8	124.3	120.2	117.2	116.9	117.5	117.2
22.5°	180.6	179.5	173.8	159.8	149.6	141.6	136.2	136.7	140.3	141.9	139.7
25°	213.8	214.9	205.3	186.7	173.2	159.8	157.6	160.6	168.5	172.9	173.2
27.5°	253.1	252.8	240.2	219.6	198.7	183.6	180.1	188.9	200.1	206.4	206.4
30°	297.0	300.8	283.0	256.1	227.0	209.2	206.4	219.9	231.7	242.9	246.2
32.5°	355.5	354.7	331.6	299.2	260.5	235.2	233.0	250.1	276.7	292.3	292.3
35°	428.2	425.2	393.1	344.5	292.6	264.3	264.6	288.2	323.4	342.6	344.5
37.5°	490.8	493.3	460.9	401.9	334.1	297.6	300.8	332.7	375.0	397.5	405.2
40°	557.8	558.6	522.9	458.7	378.8	333.0	340.9	377.7	417.8	436.5	443.9
42.5°	616.8	621.7	586.1	515.8	424.1	376.3	380.2	412.3	452.1	474.3	484.8
45°	657.4	660.2	638.2	568.2	473.2	420.5	420.0	449.9	501.2	525.9	542.7
47.5°	712.6	720.0	688.4	620.9	523.7	465.5	460.9	499.3	566.8	606.9	621.2
50°	777.4	788.6	766.4	684.9	581.4	518.5	519.3	565.2	648.4	700.8	715.6
52.5°	841.9	846.3	831.5	761.7	648.4	580.3	586.9	644.2	739.8	793.6	802.6
55°	876.5	882.8	887.2	832.0	728.8	653.6	665.1	734.3	817.7	880.9	901.4
57.5°	909.4	918.2	929.7	892.1	808.7	744.2	755.4	816.9	938.8	1028.8	1044.5
60°	965.1	972.8	995.1	964.3	882.0	830.6	842.4	928.9	1022.2	1084.3	1085.9
62.5°	964.3	976.4	1030.2	1037.9	960.5	913.8	942.6	989.3	1063.1	1141.1	1139.4
64°	951.1	966.2	1031.0	1066.7	1008.2	958.8	983.8	1018.9	1126.5	1184.2	1173.8
65°	941.8	958.5	1028.5	1074.1	1034.3	984.3	1003.0	1043.6	1144.9	1179.2	1165.0
67.5°	890.5	909.1	1001.9	1073.3	1061.2	1024.4	1030.5	1068.3	1114.5	1127.9	1102.4
70°	798.5	808.4	913.8	1028.3	1034.6	999.4	1015.9	1035.4	1060.7	1054.1	1020.6
72.5°	630.2	650.6	757.1	920.1	956.1	930.8	937.1	946.7	921.2	883.3	843.5
75°	448.8	466.9	566.3	725.8	832.6	822.4	831.2	815.8	787.5	752.9	714.0
77.5°	312.1	317.9	399.9	547.6	665.4	696.4	715.3	693.7	677.7	636.3	605.0
80°	202.0	211.6	263.2	396.6	527.3	590.7	621.2	607.2	570.1	504.0	468.3
82.5°	125.2	132.9	173.5	281.6	418.1	506.2	535.5	516.3	457.0	383.2	347.5
85°	71.6	73.3	101.6	183.4	305.5	402.1	441.4	410.6	341.7	270.4	239.1
87.5°	41.2	42.5	60.7	112.3	211.4	303.0	340.4	295.6	229.5	173.8	153.2
90°	26.4	28.0	39.3	73.3	136.2	216.6	244.0	202.9	153.7	110.1	96.9
92.5°	18.1	18.9	26.4	45.6	87.8	143.0	163.1	135.6	95.8	70.3	62.3
95°	13.2	13.7	18.7	31.0	56.5	89.8	100.7	85.9	62.9	46.7	41.7
97.5°	10.7	11.0	14.5	22.8	39.0	57.1	60.4	53.5	41.7	33.2	31.3
100°	9.1	9.3	12.1	17.6	27.7	37.3	38.2	36.0	29.4	24.7	23.6
102.5°	8.2	8.2	10.2	14.3	20.9	26.6	26.6	24.7	20.3	18.1	18.1
105°	7.4	7.4	8.8	11.8	16.5	20.6	20.3	18.1	15.4	13.7	14.0
107.5°	6.6	6.6	7.7	9.6	13.5	16.2	15.6	13.5	11.8	10.7	11.0



REPORT NUMBER: P414231

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	6.0	6.0	6.9	8.2	11.3	13.5	12.6	10.4	8.8	8.8	9.1
112.5°	5.5	5.5	6.0	7.4	9.6	11.0	10.2	8.2	7.1	7.1	7.4
115°	4.9	4.9	5.5	6.6	8.5	9.3	8.5	6.6	5.8	6.0	6.6
117.5°	4.7	4.7	5.2	6.0	7.4	8.0	7.1	5.5	4.9	5.5	5.8
120°	4.4	4.4	4.9	5.8	6.9	7.1	6.0	4.9	4.4	4.9	5.2
122.5°	4.4	4.4	4.7	5.5	6.3	6.3	5.5	4.4	3.8	4.4	4.7
125°	4.4	4.4	4.7	5.2	5.8	5.8	4.9	3.8	3.6	4.1	4.1
127.5°	4.7	4.7	4.9	5.2	5.5	5.2	4.4	3.6	3.3	3.8	3.8
130°	4.7	4.7	4.7	4.9	4.9	4.7	3.8	3.3	3.3	3.6	3.8
132.5°	4.7	4.7	4.7	4.7	4.7	4.1	3.6	3.0	3.3	3.6	3.8
135°	4.4	4.4	4.4	4.4	4.1	3.6	3.0	2.5	3.0	3.3	3.3
137.5°	3.8	4.1	3.8	3.8	3.8	3.3	2.5	2.2	2.5	3.0	3.0
140°	3.6	3.6	3.6	3.6	3.3	2.7	2.2	1.6	1.9	2.5	2.5
142.5°	3.3	3.3	3.3	3.0	3.0	2.5	1.6	1.4	1.6	1.9	1.9
145°	2.7	2.7	2.7	2.7	2.5	1.9	1.4	1.1	1.4	1.6	1.6
147.5°	2.2	2.2	2.2	2.2	1.9	1.6	1.1	1.1	1.4	1.4	1.4
150°	1.6	1.9	1.9	1.9	1.6	1.4	0.8	0.8	1.1	1.4	1.4
152.5°	1.4	1.4	1.4	1.6	1.4	0.8	0.5	0.8	1.1	1.1	1.1
155°	0.8	1.1	1.1	1.1	1.1	0.8	0.5	0.8	0.8	1.1	1.1
157.5°	0.5	0.5	0.8	0.8	0.8	0.8	0.5	0.5	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.8	0.8	0.8	0.5	0.5	0.8	0.8	0.8
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



REPORT NUMBER: P414231

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	55.7	55.4	54.9	54.4	54.1	54.1	53.5	53.3	52.4	52.4	52.2
5°	56.8	56.3	55.2	54.1	53.3	53.0	52.4	51.6	51.1	50.8	50.8
7.5°	59.3	58.5	56.3	54.9	53.8	53.0	52.4	51.6	51.1	50.8	50.8
10°	63.4	62.0	59.6	57.1	55.4	54.4	53.8	53.5	53.3	53.0	53.0
12.5°	71.4	69.4	65.3	62.3	59.0	57.4	56.8	57.4	58.7	59.3	59.6
15°	82.3	79.9	74.9	69.4	64.5	61.8	62.9	65.6	68.1	69.2	68.9
17.5°	96.1	92.2	86.2	78.8	71.9	70.5	71.6	74.7	78.2	79.9	79.6
20°	113.6	110.6	101.6	89.5	81.8	79.6	80.4	84.3	89.5	91.1	91.7
22.5°	137.8	133.4	119.4	102.7	92.5	88.4	89.2	94.2	101.3	105.1	106.0
25°	169.1	164.4	143.8	118.3	102.4	96.1	99.4	106.0	117.5	123.5	123.0
27.5°	205.3	197.4	170.5	137.5	113.9	104.0	109.0	119.7	131.8	139.4	138.9
30°	238.8	232.0	196.0	155.1	123.8	111.7	116.9	130.7	144.7	154.0	154.5
32.5°	289.0	276.4	225.9	170.2	131.8	118.0	123.0	139.7	155.9	167.2	166.9
35°	340.9	326.7	258.9	187.8	138.6	122.2	127.4	146.3	164.1	177.6	177.9
37.5°	395.6	375.5	288.2	199.3	144.1	124.6	129.8	151.0	173.8	189.1	189.7
40°	432.3	409.5	306.1	205.3	145.8	126.3	132.0	154.3	175.4	186.7	187.8
42.5°	473.5	441.4	315.4	200.4	143.8	126.0	132.6	151.8	168.3	176.2	177.1
45°	530.3	487.2	325.6	192.7	138.6	125.2	130.4	145.2	155.9	158.9	158.9
47.5°	604.2	543.0	342.6	184.5	133.1	122.7	126.5	136.2	140.3	139.7	138.3
50°	692.8	622.0	363.2	177.3	127.9	119.7	122.2	127.6	129.0	127.4	126.5
52.5°	781.2	685.7	377.4	171.0	124.6	116.9	118.6	122.7	122.7	117.8	116.9
55°	862.2	743.3	373.6	158.9	122.2	115.6	117.2	120.2	117.8	112.0	110.9
57.5°	993.1	843.0	383.5	147.1	118.6	115.3	117.5	119.4	115.8	110.3	109.2
60°	1016.5	838.9	360.1	139.7	116.1	116.1	118.6	120.8	118.3	113.4	113.1
62.5°	1048.9	842.7	324.7	129.0	114.5	116.7	121.1	124.3	124.1	120.5	120.0
64°	1071.6	848.2	312.1	124.1	113.1	116.7	123.0	127.9	127.9	123.8	123.8
65°	1049.1	827.3	302.8	121.6	111.7	116.7	124.1	130.1	129.6	126.3	125.7
67.5°	981.1	759.5	263.2	116.1	108.7	116.7	127.1	133.7	134.5	131.8	130.7
70°	897.9	685.4	228.9	109.8	105.7	115.3	127.1	135.9	137.2	134.2	133.4
72.5°	731.8	551.2	188.9	102.9	101.3	112.0	125.4	134.8	136.2	132.6	131.5
75°	613.5	450.2	156.5	96.3	96.6	107.9	121.3	129.8	129.8	126.0	124.3
77.5°	505.3	363.4	129.6	90.0	91.1	102.7	113.9	119.4	117.8	114.2	112.0
80°	378.5	274.5	106.8	83.2	84.3	94.2	103.5	107.3	105.7	101.3	100.7
82.5°	277.0	197.4	91.1	76.0	76.9	84.8	91.7	95.0	96.3	92.8	91.7
85°	182.0	139.2	78.2	68.9	69.4	75.5	79.9	82.6	85.6	84.5	84.0
87.5°	118.9	96.3	66.2	60.7	61.2	66.2	69.2	71.9	78.0	78.8	77.7
90°	79.9	67.5	54.6	52.4	53.3	57.4	59.0	61.8	68.3	69.4	69.4
92.5°	53.5	48.3	44.2	44.2	45.6	49.1	49.4	50.2	55.7	57.1	56.5
95°	37.6	36.0	35.7	36.2	37.9	40.6	39.3	38.7	42.3	42.5	42.0
97.5°	28.8	28.3	28.8	29.6	30.5	33.2	31.8	30.5	32.1	31.6	32.1
100°	23.1	22.8	23.6	23.6	24.4	26.9	25.8	25.0	25.3	24.2	24.2
102.5°	18.4	18.4	19.2	19.5	20.0	22.0	21.7	20.9	20.3	19.2	19.5
105°	14.3	14.5	15.6	15.9	16.7	18.4	18.1	17.0	16.5	15.1	15.4
107.5°	11.5	12.1	12.9	13.2	14.0	15.4	14.8	13.7	12.9	12.4	12.4



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.6	9.9	10.7	11.0	11.8	12.9	12.6	11.3	10.2	9.9	10.2
112.5°	8.0	8.5	9.1	9.3	10.2	11.0	10.2	9.1	8.2	8.5	8.5
115°	6.9	7.1	7.7	8.0	8.5	9.3	8.5	7.4	6.9	7.1	7.4
117.5°	6.3	6.6	6.9	6.9	7.4	8.0	7.1	6.3	6.0	6.3	6.6
120°	5.5	5.8	6.0	6.3	6.6	6.9	6.3	5.5	5.2	5.8	5.8
122.5°	4.9	5.2	5.2	5.5	5.8	6.0	5.5	4.9	4.7	4.9	5.2
125°	4.4	4.7	4.9	4.9	5.2	5.2	4.9	4.4	4.4	4.7	4.7
127.5°	4.1	4.4	4.4	4.7	4.7	4.7	4.4	3.8	4.1	4.4	4.4
130°	4.1	4.1	4.1	4.1	4.1	4.1	3.8	3.6	3.8	4.1	4.1
132.5°	3.8	3.8	3.8	3.8	3.8	3.6	3.3	3.3	3.6	3.8	3.8
135°	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0	3.3	3.3
137.5°	3.0	3.0	2.7	2.7	2.7	2.7	2.5	2.5	2.7	3.0	3.0
140°	2.5	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.7
142.5°	1.9	1.9	1.9	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
145°	1.6	1.6	1.6	1.4	1.4	1.6	1.6	1.6	1.9	1.9	1.9
147.5°	1.4	1.4	1.4	1.1	0.8	1.4	1.4	1.4	1.6	1.4	1.4
150°	1.4	1.4	1.1	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	0.8	0.5	0.5	0.8	1.1	0.8	0.8	0.8
155°	1.1	1.1	0.8	0.8	0.5	0.3	0.5	0.8	0.5	0.5	0.5
157.5°	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3	0.3
160°	0.8	0.8	0.5	0.5	0.3	0.3	0.5	0.5	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)