

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: P414205

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2430 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

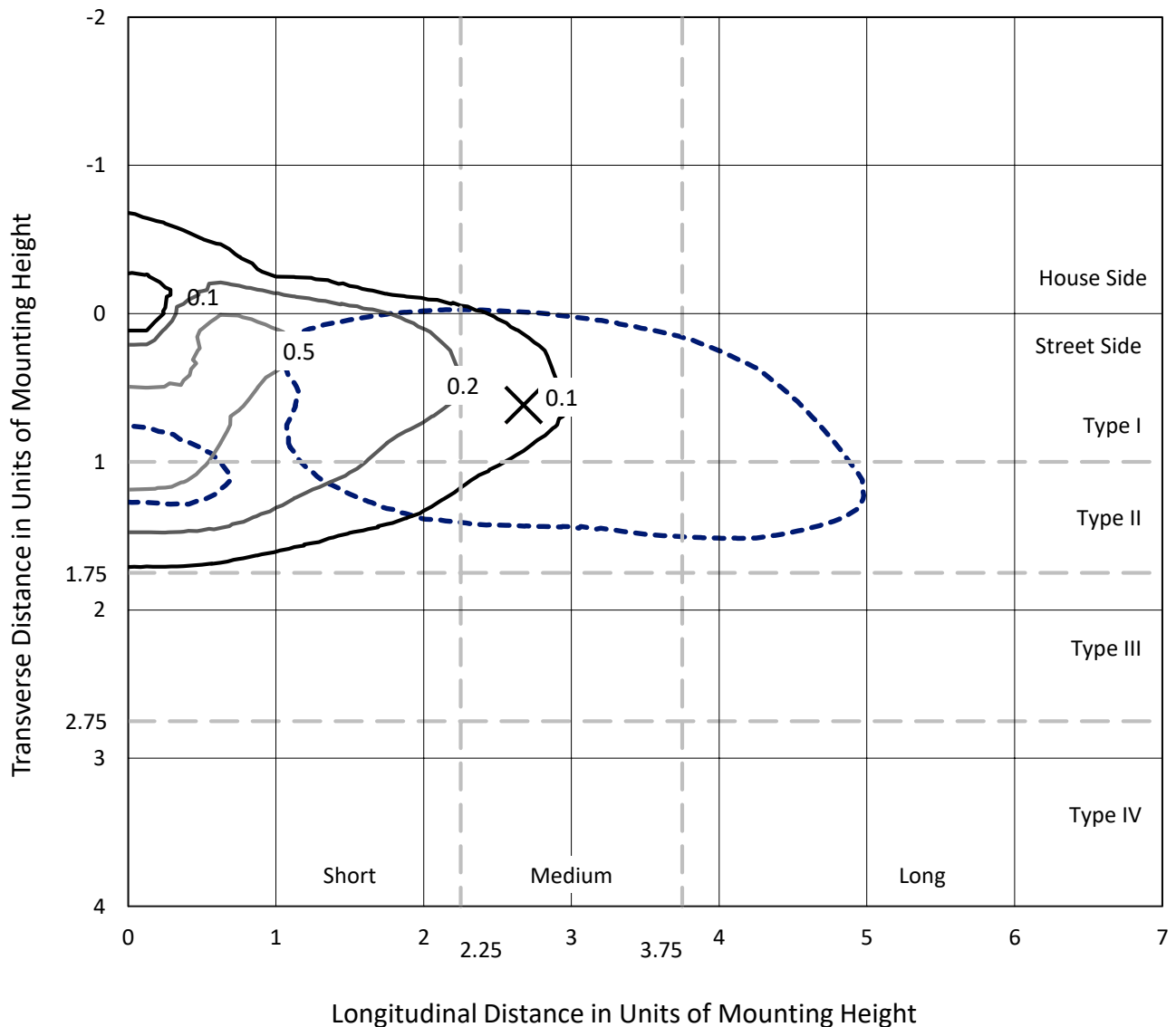


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Iso-Footcandle Lines of Horizontal Illumination

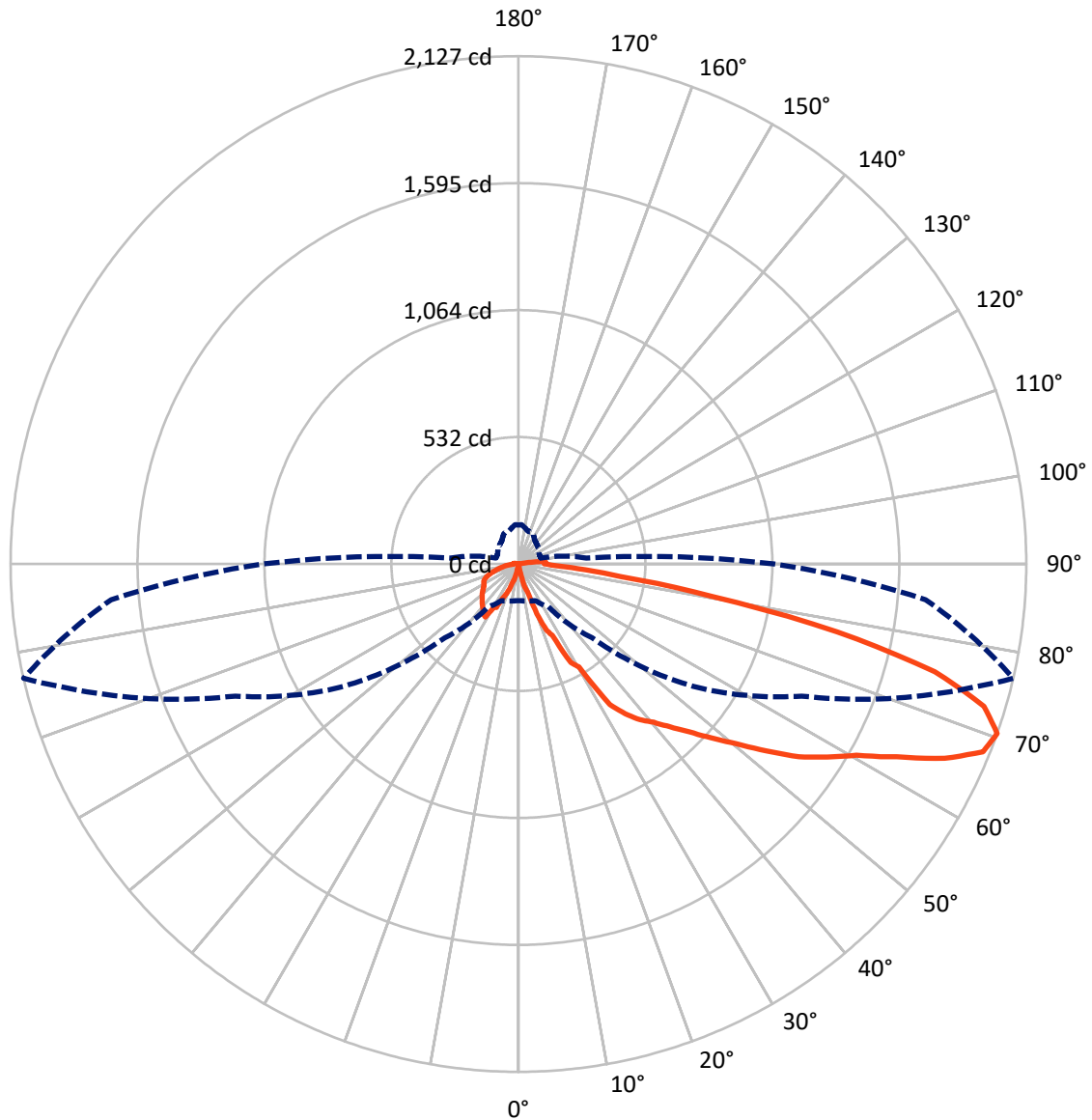
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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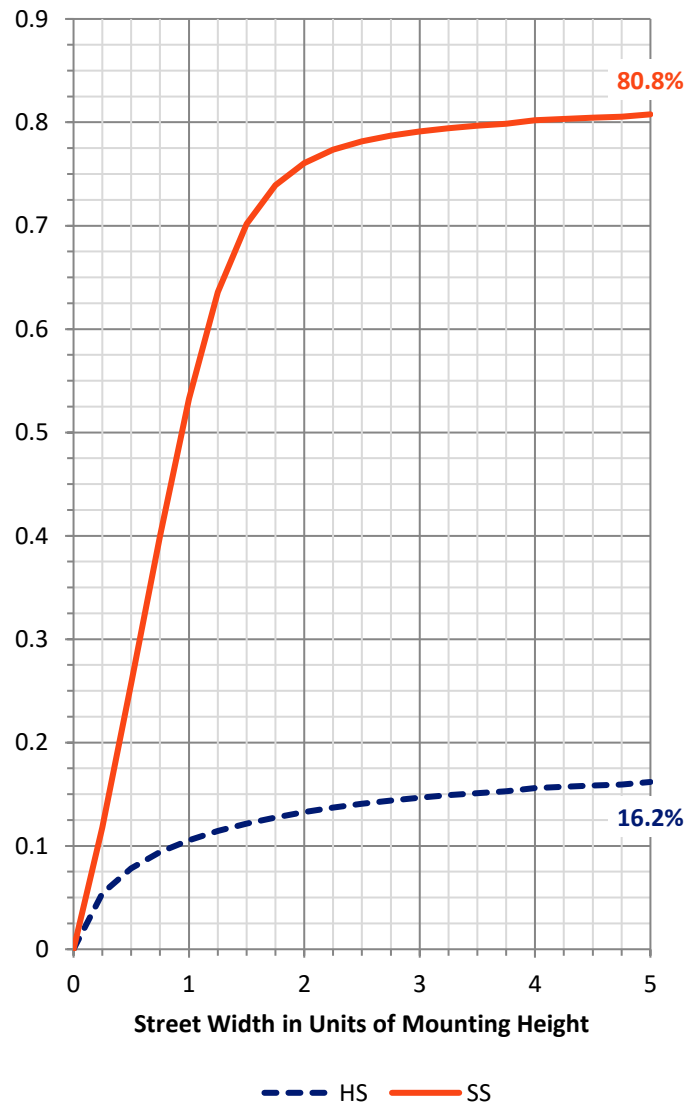
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.0	18.0	429.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	1978.5	22.4	2001.0
	% Fixture	81.4	0.9	82.3
Total	Lumens	2389.5	40.4	2430.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	28.9	1.2
20°-30°	114.5	4.7
30°-40°	276.6	11.4
40°-50°	447.3	18.4
50°-60°	535.0	22.0
60°-70°	523.2	21.5
70°-80°	361.7	14.9
80°-90°	100.4	4.1
90°-100°	26.4	1.1
100°-110°	5.4	0.2
110°-120°	2.9	0.1
120°-130°	2.3	0.1
130°-140°	1.6	0.1
140°-150°	1.3	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2389.5	98.3
0°-180°	2430.0	100.0

Coefficient of Utilization



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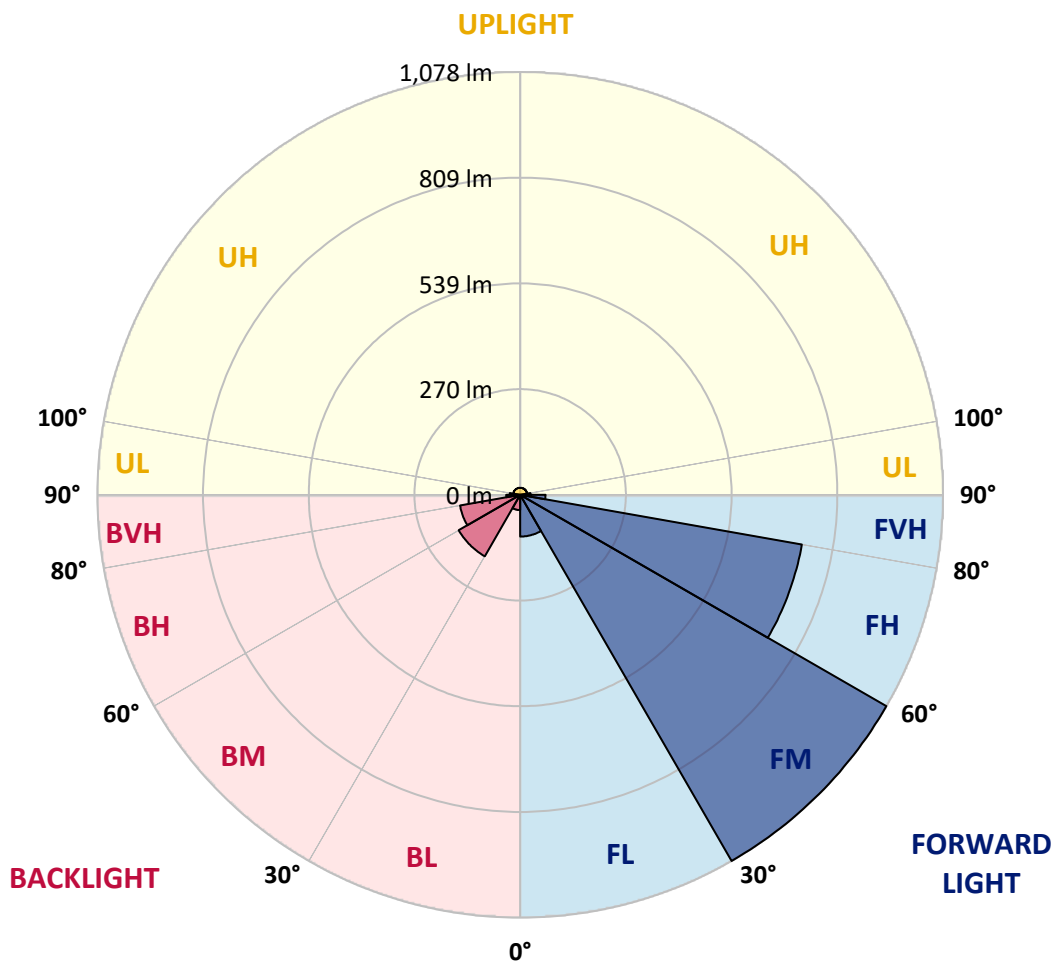
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.5	4.4			
FM	(30°-60°)	1078.1	44.4			
FH	(60°-80°)	729.3	30.0			G1/1800
FVH	(80°-90°)	64.7	2.7			G1/100
BL	(0°-30°)	38.9	1.6	B0/110		
BM	(30°-60°)	180.8	7.4	B0/220		
BH	(60°-80°)	155.6	6.4	B1/500		G1/500
BVH	(80°-90°)	35.7	1.5			G1/100
UL	(90°-100°)	26.4	1.1		U2/50	
UH	(100°-180°)	18.0	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.0	2.7	2.7	3.0	3.6	3.3	2.5	1.9	1.6	1.6	1.6
5°	59.6	57.6	56.3	39.8	8.8	5.2	3.3	2.5	1.9	1.9	1.6
7.5°	71.1	70.0	69.4	67.5	65.3	60.9	11.0	3.6	2.2	2.2	1.9
10°	80.4	79.6	78.5	77.4	74.4	71.4	65.3	9.1	3.6	3.6	3.0
12.5°	163.8	161.4	159.2	113.1	84.0	80.7	74.9	51.3	39.0	37.6	45.3
15°	168.2	168.2	168.2	169.6	167.1	90.0	122.7	153.7	101.5	98.3	101.5
17.5°	179.2	177.6	174.8	175.6	178.9	198.7	183.1	171.0	135.3	120.2	116.9
20°	268.1	266.8	267.6	248.1	190.7	250.3	248.6	192.7	219.8	222.9	217.1
22.5°	286.2	286.0	285.1	284.1	326.0	265.7	286.0	303.0	307.1	301.1	249.7
25°	406.2	403.2	366.7	309.0	349.4	319.7	381.5	335.9	342.0	331.3	316.4
27.5°	464.1	457.8	451.5	434.2	375.2	427.3	405.9	443.0	496.5	467.9	402.6
30°	612.3	615.9	513.8	508.0	464.1	453.1	497.0	520.6	521.2	500.3	452.0
32.5°	753.9	744.3	720.4	617.8	552.7	507.5	576.3	554.4	682.0	701.8	612.8
35°	892.8	874.1	804.1	734.4	644.9	625.5	617.5	694.1	742.4	770.6	663.1
37.5°	1090.6	1077.2	1010.2	828.0	743.5	673.2	724.0	738.8	815.7	827.7	731.7
40°	1163.4	1154.3	1098.6	955.6	820.6	751.4	771.7	792.6	888.4	871.6	783.3
42.5°	1215.5	1212.2	1167.8	1022.3	921.0	829.1	826.9	837.6	963.0	932.3	834.9
45°	1255.6	1250.9	1224.6	1065.1	968.5	877.1	886.5	893.0	1028.6	1001.7	893.9
47.5°	1247.9	1249.8	1253.4	1118.4	996.8	924.1	947.4	940.8	1082.1	1088.5	960.0
50°	1188.9	1192.7	1219.1	1139.8	1013.0	962.5	1000.1	994.0	1156.8	1183.1	1036.3
52.5°	1013.5	1019.8	1117.5	1106.6	1027.3	992.7	1054.1	1055.5	1244.1	1300.1	1133.7
55°	742.1	766.0	884.8	996.5	1011.6	1002.3	1090.4	1133.5	1344.5	1425.2	1220.7
57.5°	596.9	592.0	674.0	836.8	934.2	990.5	1128.5	1202.9	1436.2	1525.6	1307.7
60°	463.3	464.9	525.6	642.2	798.6	961.4	1167.5	1265.5	1549.0	1626.6	1414.2
62.5°	345.0	348.3	392.2	461.9	643.9	880.1	1179.6	1343.7	1705.7	1779.2	1542.9
65°	250.6	256.1	279.9	322.7	465.2	758.3	1142.8	1402.1	1879.4	1963.1	1680.4
67.5°	188.3	191.3	205.3	231.4	332.4	601.9	1052.0	1398.6	1966.7	2098.4	1739.4
70°	153.1	154.5	159.7	169.1	218.2	436.4	892.5	1308.6	1985.3	2127.2	1712.0
72.5°	130.1	129.5	129.8	131.2	150.7	298.3	689.4	1140.0	1914.0	2039.7	1588.2
75°	111.2	110.3	110.3	109.0	116.4	209.4	474.8	920.2	1724.3	1802.3	1337.9
77.5°	94.7	93.3	93.0	90.3	93.6	155.9	314.5	685.3	1364.3	1365.6	948.5
80°	80.7	78.2	77.1	75.2	79.0	118.8	205.3	447.1	834.6	821.1	526.4
82.5°	59.6	59.6	61.2	61.8	68.1	88.1	144.9	265.9	455.6	431.2	305.2
85°	34.3	37.3	44.2	45.0	52.1	58.5	109.0	157.5	255.0	245.9	156.4
87.5°	12.6	12.1	18.4	19.5	22.0	22.0	59.3	86.5	133.7	139.1	123.2
90°	10.4	10.4	7.1	6.6	8.5	14.3	40.1	60.7	100.4	107.9	116.4
92.5°	11.0	11.0	7.1	6.3	8.0	12.6	33.8	57.4	105.4	115.5	120.2
95°	10.4	10.7	6.3	5.8	7.4	10.7	25.2	49.1	101.3	110.9	117.5
97.5°	9.1	9.3	5.2	4.9	6.6	7.7	13.7	24.4	50.5	52.4	54.3
100°	7.4	7.4	3.8	4.1	5.2	5.2	7.1	12.9	12.4	10.2	8.8
102.5°	6.3	6.9	3.6	3.3	3.8	3.3	3.3	4.9	7.4	6.3	8.5
105°	5.2	5.8	3.0	2.7	3.0	2.7	2.2	3.6	5.5	6.3	9.1
107.5°	3.6	3.8	2.2	2.5	2.5	2.5	1.6	2.7	5.2	6.0	9.3
110°	2.5	2.5	1.6	2.2	2.2	2.5	1.6	2.7	4.1	4.7	7.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.6	1.6	1.4	1.6	1.9	1.9	1.6	2.5	3.6	3.8	5.2
115°	1.4	1.4	1.1	1.4	1.6	1.6	1.4	2.2	3.6	4.1	5.5
117.5°	1.6	1.4	1.1	1.4	1.6	1.4	1.4	1.9	3.6	4.1	5.5
120°	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.9	3.6	4.1	5.5
122.5°	1.9	1.6	1.4	1.4	1.4	1.4	1.4	1.6	3.3	3.8	5.2
125°	1.9	1.9	1.4	1.4	1.6	1.4	1.4	1.6	3.3	3.6	4.9
127.5°	2.2	1.9	1.6	1.4	1.6	1.4	1.4	1.6	3.0	3.3	4.4
130°	2.2	2.2	1.6	1.4	1.6	1.4	1.4	1.4	2.5	2.7	3.8
132.5°	2.2	2.2	1.9	1.6	1.9	1.6	1.4	1.4	1.9	2.2	3.0
135°	2.5	2.2	2.2	1.9	2.2	1.9	1.4	1.4	1.4	1.6	2.2
137.5°	2.5	2.5	2.5	2.2	2.5	1.9	1.4	1.4	1.4	1.4	1.6
140°	3.0	3.0	2.7	2.5	2.7	2.2	1.6	1.4	1.4	1.4	1.6
142.5°	3.6	3.6	3.3	3.0	2.7	2.2	1.9	1.6	1.6	1.6	1.6
145°	4.1	3.8	3.8	3.3	2.7	2.2	1.9	1.9	1.9	1.9	1.9
147.5°	4.1	4.1	3.8	3.0	2.5	1.6	1.6	2.2	2.2	2.2	2.2
150°	3.8	3.8	3.3	2.7	1.9	1.4	1.4	1.9	2.2	2.2	2.2
152.5°	3.0	2.7	2.5	1.6	1.4	0.8	1.1	1.4	1.6	1.6	1.9
155°	1.9	1.6	1.4	1.1	1.1	0.8	0.8	1.1	1.1	1.1	1.4
157.5°	0.8	0.8	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.3	0.3	0.8	0.8	0.8	0.5	0.5	0.5	0.5
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.6	1.6	1.6	1.6	1.6	1.4	1.6	1.9	2.2	2.2	2.2
5°	1.6	1.6	1.6	1.9	1.9	1.6	1.9	2.5	2.7	2.7	2.7
7.5°	1.9	1.6	1.9	2.2	2.2	2.2	9.6	27.7	30.7	31.3	31.8
10°	2.7	2.7	2.7	3.0	3.3	28.8	34.0	35.7	36.8	37.6	37.9
12.5°	41.7	36.5	22.8	6.0	29.1	35.7	37.6	40.3	41.7	43.4	42.8
15°	93.6	82.9	62.3	53.2	52.1	39.8	41.7	69.4	77.1	78.5	78.2
17.5°	105.9	91.1	69.4	74.1	77.1	59.8	70.3	77.7	79.0	80.4	80.1
20°	197.1	157.0	94.1	81.5	80.7	101.0	74.9	77.4	80.1	94.4	96.1
22.5°	218.7	180.6	123.2	119.4	97.4	102.6	97.7	99.1	107.6	107.6	107.0
25°	273.9	218.5	139.1	121.9	123.8	102.1	114.7	99.1	100.7	100.7	101.0
27.5°	356.2	280.8	184.7	135.9	122.4	123.5	109.0	100.4	115.0	116.6	117.5
30°	381.2	291.5	182.8	151.8	127.9	119.9	101.8	112.5	108.4	108.4	107.6
32.5°	532.7	397.7	227.5	148.5	131.2	111.4	112.8	105.9	104.0	112.5	112.5
35°	562.6	409.5	219.6	167.1	126.0	116.1	107.3	109.0	105.4	104.8	104.0
37.5°	596.9	417.7	201.7	157.0	133.1	111.4	110.9	106.8	102.1	108.7	109.8
40°	629.6	425.7	187.4	144.9	123.0	110.9	108.7	106.5	96.6	96.6	96.3
42.5°	666.4	430.9	174.5	135.3	113.1	111.2	105.1	98.3	91.7	93.6	93.0
45°	704.5	434.2	161.4	124.6	104.3	115.0	105.4	102.4	97.2	98.0	97.2
47.5°	751.4	439.7	149.8	114.2	98.8	105.4	99.6	98.3	101.3	98.5	100.2
50°	801.4	442.7	139.1	105.1	93.3	102.4	103.2	99.1	101.3	96.6	96.3
52.5°	861.2	445.4	127.6	99.1	92.5	101.8	108.1	103.7	99.9	93.9	93.3
55°	913.9	436.6	117.7	95.2	98.0	100.7	112.2	107.0	99.1	92.2	92.5
57.5°	971.3	425.4	109.8	93.6	96.9	98.8	118.0	111.7	102.6	102.9	103.2
60°	1030.5	414.7	104.8	93.3	95.5	99.6	118.8	118.0	107.3	109.8	111.7
62.5°	1101.4	406.2	104.0	95.2	100.4	104.0	119.7	128.2	118.8	119.9	120.5
65°	1156.8	381.5	103.2	96.3	102.4	104.8	119.9	135.3	131.2	137.5	136.9
67.5°	1139.8	335.9	101.8	97.4	103.7	109.2	119.7	140.5	140.0	154.5	153.1
70°	1070.3	285.4	97.4	96.1	104.3	111.4	119.9	141.9	144.4	164.9	163.6
72.5°	953.4	230.3	89.5	92.2	104.6	114.2	123.5	142.2	144.9	174.0	169.9
75°	797.8	186.1	77.7	83.4	107.9	115.8	124.3	139.4	139.4	166.9	161.6
77.5°	574.1	143.3	67.0	75.7	106.8	114.7	121.9	133.1	131.2	144.4	139.4
80°	334.5	105.7	57.1	74.4	100.2	112.5	115.0	117.5	108.4	111.4	108.4
82.5°	200.9	78.2	49.4	66.7	88.1	101.3	103.2	99.1	87.0	86.7	82.6
85°	120.5	53.5	36.2	51.6	69.4	84.5	86.7	75.2	63.9	70.5	63.1
87.5°	88.9	33.8	25.0	32.1	42.3	39.5	51.6	48.6	41.4	39.8	39.2
90°	80.1	25.8	20.6	26.1	28.5	24.4	26.3	26.3	21.4	21.1	20.0
92.5°	79.3	24.2	22.0	25.5	23.1	19.5	21.4	21.1	17.0	16.2	15.4
95°	74.1	21.7	22.0	23.1	20.3	15.9	17.3	16.2	12.1	11.3	10.4
97.5°	34.9	15.1	20.9	20.0	16.7	12.4	14.3	12.4	8.5	7.4	7.4
100°	8.2	12.9	17.8	18.1	13.4	9.3	9.9	8.0	5.5	4.7	4.7
102.5°	8.2	5.8	11.0	14.3	8.2	3.8	5.5	5.2	4.1	4.1	4.4
105°	8.2	5.5	5.5	9.3	4.9	2.5	2.5	3.3	3.6	4.7	5.2
107.5°	8.5	5.8	4.4	4.4	3.6	2.5	2.2	2.5	3.6	5.5	5.8
110°	7.1	5.2	4.1	3.8	3.6	2.5	1.9	2.5	3.6	6.0	6.6



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.2	4.7	3.6	3.6	3.0	2.5	1.9	2.2	3.8	6.6	7.1
115°	5.2	4.4	3.3	3.0	2.5	2.2	1.9	2.2	4.1	7.1	7.7
117.5°	5.5	4.4	3.0	2.7	2.2	1.6	1.6	2.2	4.1	7.4	8.0
120°	5.5	4.4	3.0	2.7	2.2	1.6	1.6	2.5	4.4	7.1	7.7
122.5°	5.2	4.4	3.0	2.7	2.2	1.4	1.6	2.2	4.1	6.9	7.4
125°	4.7	4.1	3.0	2.5	2.2	1.4	1.6	2.2	4.1	6.6	6.9
127.5°	4.4	3.8	2.7	2.5	1.9	1.4	1.6	2.2	3.8	6.0	6.3
130°	3.8	3.6	2.5	2.2	1.9	1.4	1.6	2.2	3.8	5.5	5.8
132.5°	3.0	2.7	2.2	1.9	1.9	1.4	1.6	1.9	3.0	4.7	4.9
135°	2.2	2.2	1.9	1.9	1.9	1.4	1.6	1.6	2.5	3.6	3.8
137.5°	1.6	1.6	1.6	1.9	1.6	1.4	1.4	1.6	2.2	2.7	3.0
140°	1.6	1.6	1.6	1.9	1.6	1.4	1.4	1.6	1.9	2.2	2.5
142.5°	1.6	1.6	1.6	1.9	1.6	1.1	1.4	1.6	1.9	2.2	2.2
145°	1.9	1.9	1.9	1.9	1.6	1.1	1.1	1.6	1.9	2.2	2.2
147.5°	2.2	2.2	1.9	1.9	1.6	0.8	0.8	1.6	1.9	2.2	2.2
150°	2.2	2.2	1.9	1.9	1.4	0.8	0.8	1.4	1.9	1.9	1.9
152.5°	1.6	1.6	1.6	1.6	1.4	0.5	0.5	1.1	1.6	1.6	1.6
155°	1.4	1.4	1.4	1.4	1.1	0.5	0.3	0.8	1.4	1.4	1.4
157.5°	0.8	1.1	1.1	1.4	1.1	0.5	0.3	0.5	1.1	1.1	1.1
160°	0.5	0.8	0.8	1.1	1.1	0.5	0.3	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

(END OF REPORT)