

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: P414145

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

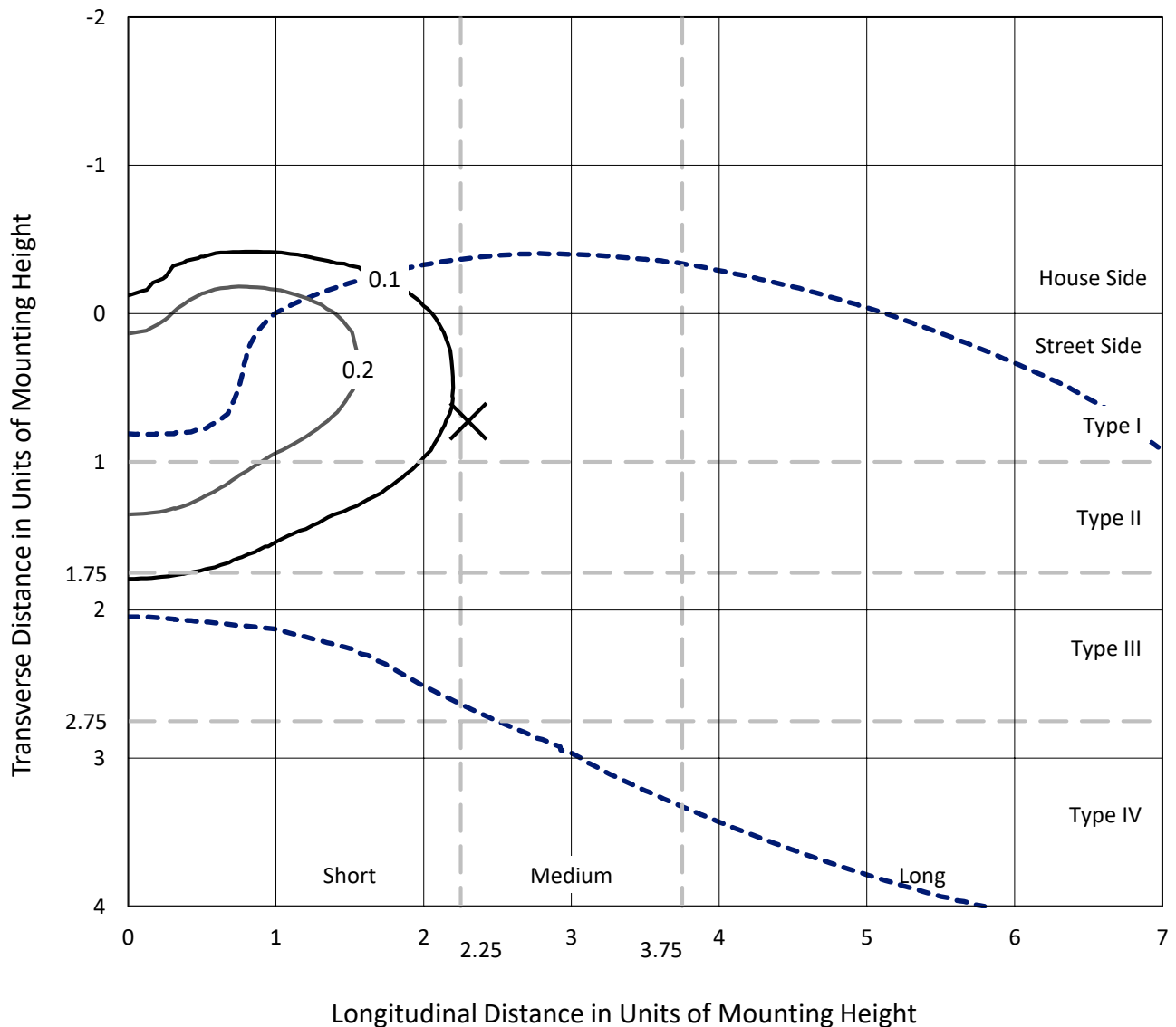
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

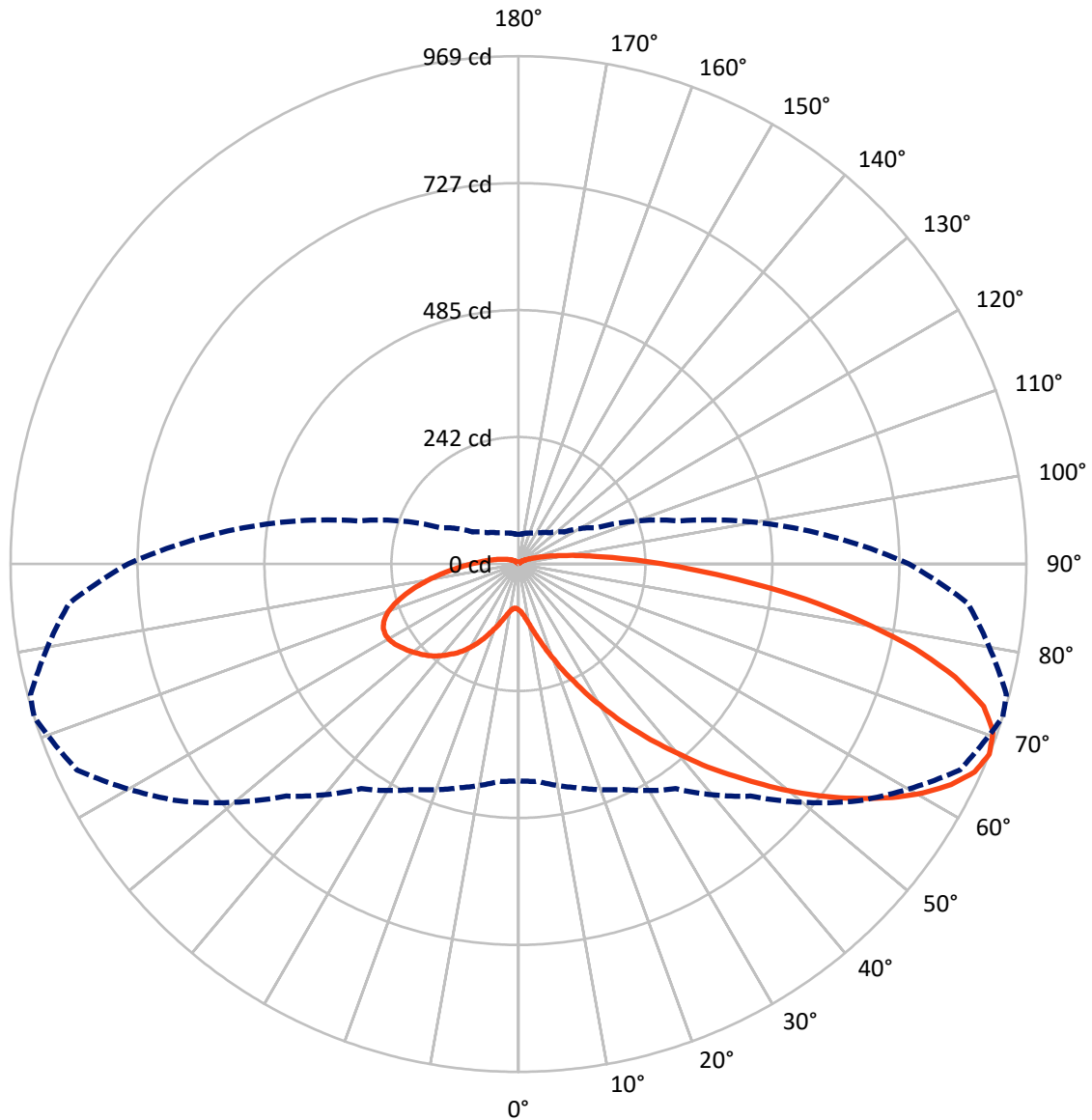
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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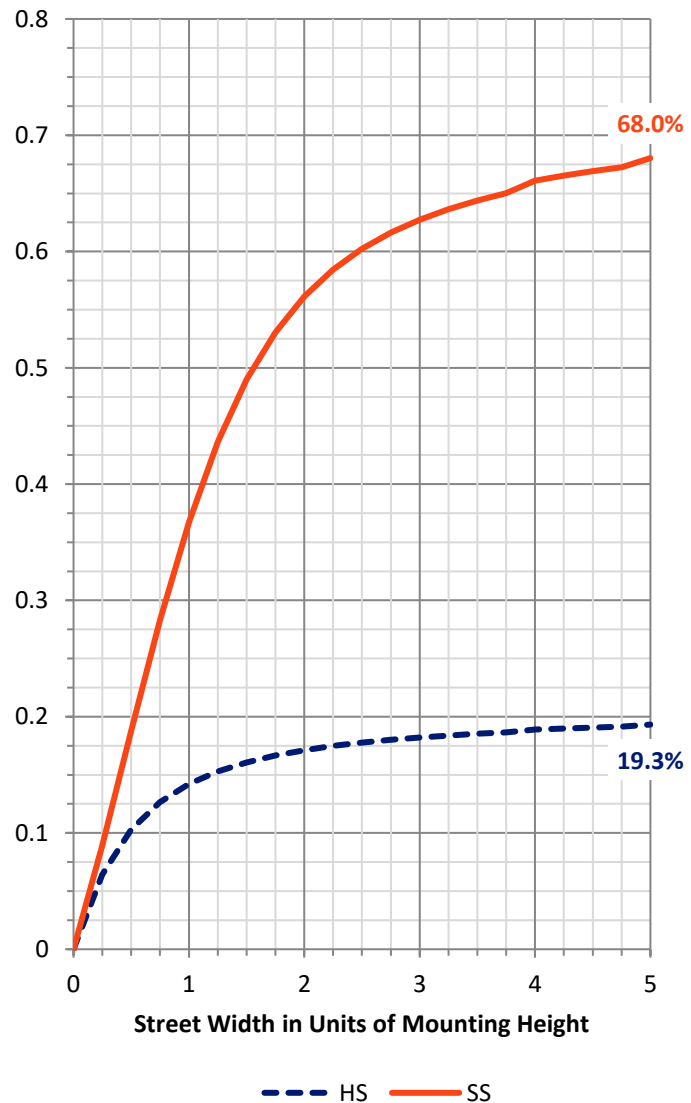
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	425.8	60.6	486.4
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	1493.2	117.4	1610.6
	% Fixture	71.2	5.6	76.8
Total	Lumens	1919.0	178.0	2097.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.4
10°-20°	35.8	1.7
20°-30°	86.4	4.1
30°-40°	164.7	7.9
40°-50°	265.1	12.6
50°-60°	366.8	17.5
60°-70°	421.4	20.1
70°-80°	361.7	17.2
80°-90°	208.2	9.9
90°-100°	94.1	4.5
100°-110°	43.3	2.1
110°-120°	21.7	1.0
120°-130°	11.3	0.5
130°-140°	5.4	0.3
140°-150°	1.8	0.1
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1919.0	91.5
0°-180°	2097.0	100.0



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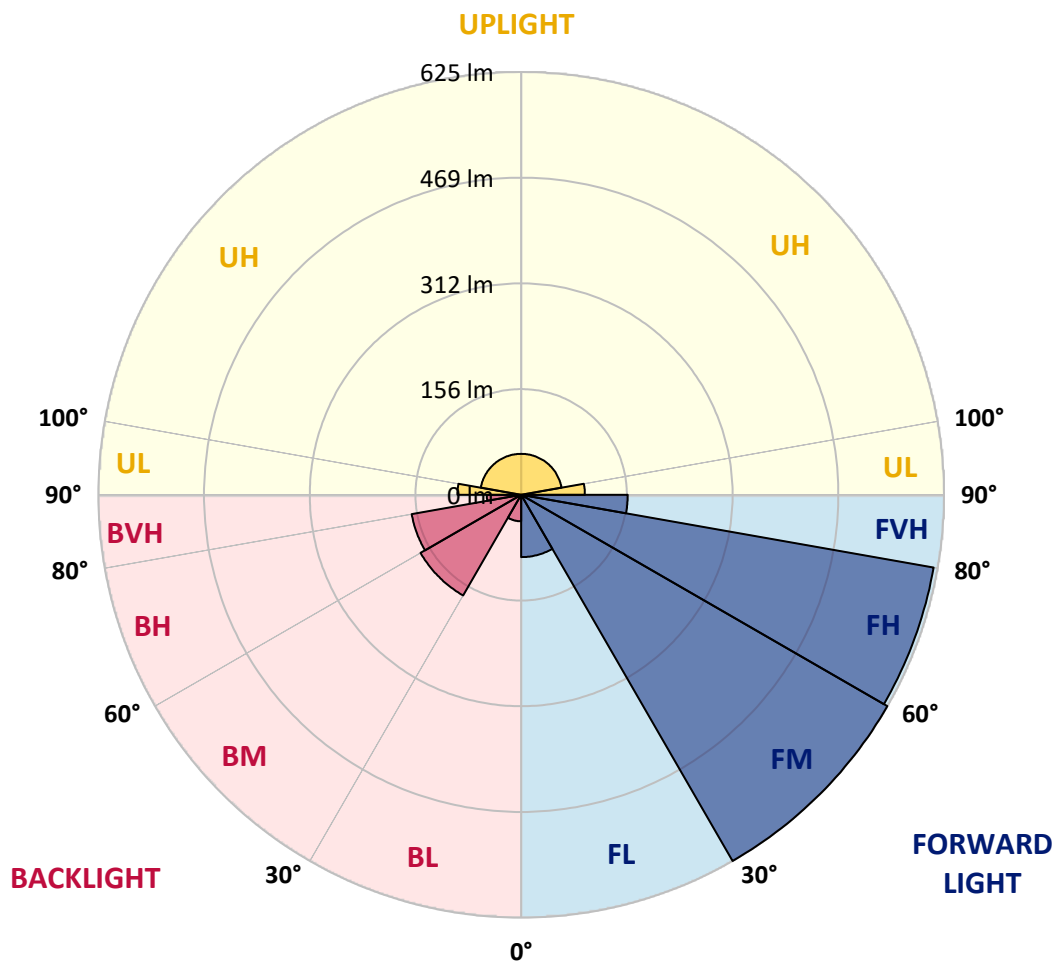
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.1	4.4			
FM	(30°-60°)	624.8	29.8			
FH	(60°-80°)	618.9	29.5			G0/660
FVH	(80°-90°)	157.4	7.5			G2/225
BL	(0°-30°)	39.1	1.9	B0/110		
BM	(30°-60°)	171.7	8.2	B0/220		
BH	(60°-80°)	164.2	7.8	B1/500		G1/500
BVH	(80°-90°)	50.8	2.4			G1/100
UL	(90°-100°)	94.1	4.5		U3/500	
UH	(100°-180°)	60.6	2.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
2.5°	98.1	97.8	98.1	97.3	96.6	95.0	94.0	92.0	91.0	90.5	88.5
5°	111.9	111.7	111.4	110.4	107.9	106.1	103.1	99.6	97.3	96.3	93.0
7.5°	127.1	126.6	126.1	123.8	122.0	119.0	114.5	109.9	106.1	105.4	99.3
10°	144.2	143.7	142.7	140.9	137.6	133.4	129.3	122.8	118.0	115.7	109.2
12.5°	161.9	162.9	161.6	158.1	154.3	150.3	144.5	138.2	133.1	131.3	121.3
15°	183.3	184.0	182.8	178.7	174.7	168.7	164.1	157.6	150.8	149.8	138.7
17.5°	207.0	206.7	204.2	200.4	196.9	192.1	185.5	179.5	171.9	170.2	156.6
20°	232.7	231.7	229.4	223.1	219.8	214.3	210.3	201.9	194.6	192.1	178.5
22.5°	258.4	257.9	255.9	250.1	246.1	241.3	235.2	227.7	222.6	217.6	202.4
25°	290.7	287.7	285.1	274.8	271.0	266.5	261.2	254.9	250.1	247.3	229.9
27.5°	322.9	320.7	314.9	307.3	300.0	292.7	290.4	284.9	283.4	281.1	261.4
30°	355.0	354.0	347.7	338.1	327.5	320.4	319.2	319.7	317.4	314.6	293.7
32.5°	391.3	389.0	381.9	369.1	358.0	349.7	349.7	353.2	355.2	352.4	330.3
35°	426.8	424.8	416.0	400.1	387.7	377.7	381.7	390.0	394.8	394.8	367.3
37.5°	464.4	459.8	450.8	434.1	417.5	410.2	414.7	429.1	436.1	436.1	408.4
40°	497.2	496.9	484.5	464.6	448.2	437.4	451.3	470.4	479.8	479.0	449.8
42.5°	529.9	529.7	517.8	495.9	475.2	469.7	487.1	514.0	529.2	529.2	491.6
45°	559.4	557.4	547.3	523.1	504.0	501.4	527.2	561.4	577.1	579.6	537.0
47.5°	581.1	579.3	570.5	547.1	528.9	533.5	564.5	608.1	629.3	629.0	583.4
50°	595.7	594.0	586.4	566.2	550.6	561.9	605.1	657.5	684.0	686.0	629.3
52.5°	600.0	599.0	595.0	578.3	568.2	587.7	643.1	707.9	737.9	739.7	679.4
55°	592.7	592.7	592.4	582.4	578.3	610.6	682.4	757.1	789.6	792.9	728.8
57.5°	575.6	576.3	580.8	577.6	583.6	629.0	715.7	801.4	840.8	842.8	773.0
60°	549.6	548.1	558.2	564.2	580.6	640.6	745.2	846.1	887.2	887.9	811.8
62.5°	510.3	511.0	525.6	541.5	569.8	645.4	771.2	885.1	926.7	928.5	842.0
65°	463.9	465.6	485.6	512.3	551.1	640.3	786.1	915.1	956.7	954.5	859.4
67.5°	413.7	416.2	442.2	474.7	523.4	626.2	788.6	929.5	969.1	964.0	860.9
70°	358.7	365.3	391.3	433.6	487.6	599.3	774.0	927.0	960.8	956.0	838.5
72.5°	308.8	313.6	342.1	386.2	447.5	560.2	743.0	898.0	928.3	918.7	791.6
75°	259.2	266.5	293.5	340.6	404.1	511.8	690.3	842.0	860.7	850.4	721.8
77.5°	216.8	223.4	250.1	295.5	356.5	461.1	621.2	757.1	772.4	761.9	633.5
80°	176.7	184.0	210.0	254.6	311.9	401.6	542.0	657.7	663.5	646.9	536.2
82.5°	147.7	151.5	175.7	215.0	267.7	346.4	460.8	551.9	552.1	532.2	435.6
85°	120.8	123.0	145.2	180.8	225.9	292.7	378.4	444.5	439.4	428.6	335.8
87.5°	97.8	100.1	120.0	152.0	190.1	244.3	308.8	349.9	338.1	329.5	260.7
90°	80.2	82.7	99.1	126.8	159.6	201.7	245.8	270.5	259.9	253.4	200.9
92.5°	65.5	68.1	82.4	106.1	135.1	165.1	195.4	207.0	199.7	192.1	151.5
95°	55.5	56.0	68.8	88.7	111.7	133.4	153.0	159.8	149.8	147.0	117.2
97.5°	45.6	47.1	57.2	74.9	93.3	111.2	121.3	124.8	115.7	109.7	89.7
100°	38.8	39.6	48.4	62.5	77.6	90.5	98.3	96.6	88.5	85.0	68.1
102.5°	33.3	34.0	41.1	54.2	66.1	75.4	79.2	76.4	68.8	66.6	53.4
105°	29.2	29.5	35.3	45.9	56.0	63.8	65.3	61.0	53.7	50.7	42.1
107.5°	26.0	26.2	30.8	39.8	48.4	53.7	54.2	49.4	42.4	40.1	33.8
110°	23.2	23.7	27.0	34.5	41.8	45.9	45.4	40.3	33.8	31.8	27.7



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	20.9	21.4	23.9	30.3	36.3	39.8	38.6	32.5	27.0	25.7	22.9
115°	19.2	19.7	21.7	26.7	32.0	34.5	32.5	27.0	22.2	20.7	19.2
117.5°	17.9	18.2	19.7	23.7	27.7	29.7	27.5	22.4	18.2	17.1	16.4
120°	16.6	16.9	18.2	20.9	24.5	25.5	23.2	18.4	15.1	14.6	14.4
122.5°	15.6	15.6	16.6	18.7	21.2	21.9	19.7	15.4	12.9	12.4	12.6
125°	14.6	14.6	15.1	16.6	18.4	18.9	16.4	12.9	10.8	10.6	11.1
127.5°	13.6	13.6	13.9	14.9	15.9	15.9	13.6	10.6	9.3	9.1	9.8
130°	12.6	12.6	12.6	13.1	13.6	13.4	11.1	8.8	8.1	8.1	8.6
132.5°	11.6	11.6	11.6	11.6	11.3	10.8	9.1	7.1	7.1	7.1	7.6
135°	10.3	10.3	10.3	10.1	9.6	8.8	7.1	5.8	5.8	6.1	6.6
137.5°	9.3	9.3	9.1	8.6	7.8	6.8	5.5	4.5	5.0	5.0	5.5
140°	8.1	8.1	7.8	7.1	6.1	5.0	4.0	3.8	4.0	4.3	4.8
142.5°	6.8	6.8	6.6	5.8	4.8	3.5	2.8	2.8	3.3	3.3	3.8
145°	5.5	5.5	5.3	4.5	3.3	2.3	1.8	2.0	2.5	2.5	2.8
147.5°	4.3	4.3	4.0	3.3	2.3	1.5	1.0	1.5	1.8	1.8	2.0
150°	3.0	3.0	2.8	2.3	1.5	0.8	0.5	0.8	1.0	1.3	1.3
152.5°	2.0	2.0	1.8	1.5	0.8	0.3	0.5	0.8	0.8	0.8	1.0
155°	1.3	1.0	1.0	0.8	0.3	0.0	0.3	0.5	0.5	0.5	0.8
157.5°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.5	0.5
160°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
162.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
165°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
172.5°	0.0	0.3	0.3	0.5	0.3	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
2.5°	88.0	87.0	85.5	84.0	82.4	81.4	80.4	79.9	79.2	78.4	78.4
5°	91.0	89.0	85.5	81.9	78.7	75.9	73.1	71.6	70.6	69.6	69.8
7.5°	96.6	93.5	87.7	81.9	76.6	72.1	68.3	65.3	63.3	62.0	62.3
10°	104.4	101.1	92.3	84.0	76.4	69.8	64.5	60.3	57.7	56.5	56.5
12.5°	116.7	111.2	99.6	87.7	77.6	68.8	62.0	57.0	53.4	51.9	51.7
15°	131.6	123.8	109.7	95.0	80.7	68.8	60.0	56.5	54.2	53.2	52.9
17.5°	149.2	140.7	121.3	101.9	84.7	70.3	62.8	58.5	56.0	55.0	54.7
20°	168.4	158.3	133.9	110.4	88.7	74.9	65.5	60.3	57.5	56.5	56.5
22.5°	191.9	178.5	147.5	118.0	93.8	78.7	68.3	61.8	59.2	58.2	58.0
25°	216.1	200.9	163.6	126.1	99.3	81.7	70.3	63.3	60.8	59.7	60.0
27.5°	244.5	225.1	179.5	134.1	104.1	83.4	71.3	64.5	62.0	61.3	61.5
30°	274.3	249.8	193.6	142.4	107.4	84.7	72.1	65.5	62.8	62.3	62.3
32.5°	305.8	278.1	208.2	149.8	109.4	85.0	72.1	66.1	63.3	63.0	63.3
35°	338.1	305.3	222.4	155.5	110.4	84.7	71.8	66.6	63.3	63.3	63.3
37.5°	373.9	332.0	234.2	159.6	110.7	84.0	71.6	66.3	63.3	63.3	63.5
40°	410.7	360.5	247.3	162.9	110.4	83.4	71.3	66.3	63.3	63.3	63.5
42.5°	447.2	387.0	259.7	164.9	109.9	82.9	71.1	66.3	63.3	62.8	63.0
45°	486.8	417.7	271.5	166.1	109.4	82.7	71.1	66.1	63.3	62.3	62.5
47.5°	523.6	446.2	281.1	167.6	109.2	82.7	71.3	66.1	63.0	62.0	62.0
50°	565.2	475.7	290.9	168.2	108.7	82.7	71.3	66.1	62.8	61.3	61.5
52.5°	606.3	505.5	300.5	169.2	108.7	82.9	71.6	66.1	62.5	60.5	60.5
55°	645.6	531.9	309.1	169.9	108.7	83.4	72.4	66.1	62.3	59.7	59.7
57.5°	681.7	559.2	317.7	170.2	108.7	84.0	72.4	66.3	62.0	59.0	59.0
60°	713.7	582.6	323.7	170.4	108.4	84.5	72.9	66.1	61.8	58.2	58.2
62.5°	736.4	600.5	326.7	169.7	108.4	84.5	73.1	66.1	61.5	58.0	57.7
65°	749.3	606.8	325.0	167.4	107.9	84.5	72.9	65.8	61.0	57.5	57.2
67.5°	745.0	600.0	317.4	163.9	106.6	84.2	72.9	65.3	61.0	57.2	56.7
70°	721.8	579.6	303.0	158.6	104.9	83.2	71.8	64.5	60.5	57.0	56.5
72.5°	676.4	538.5	282.1	150.3	101.9	81.7	70.6	63.3	59.5	56.2	55.5
75°	613.4	489.6	256.6	141.7	98.1	79.7	69.1	62.0	58.2	55.2	54.5
77.5°	532.4	424.3	228.4	130.6	93.3	76.9	67.1	60.0	56.5	53.7	52.7
80°	448.5	357.5	197.9	119.0	88.2	73.4	64.0	57.5	54.2	51.7	50.4
82.5°	363.0	293.7	169.4	107.9	82.4	69.3	61.0	54.7	51.7	48.9	47.6
85°	286.4	232.2	141.9	96.3	76.4	65.3	57.5	51.4	48.7	45.6	44.4
87.5°	222.9	184.3	118.7	85.7	69.8	60.8	53.7	48.2	44.9	42.1	41.1
90°	173.7	145.2	99.3	75.6	64.0	56.2	49.7	44.6	41.3	38.6	37.3
92.5°	132.4	115.0	83.2	66.8	58.2	51.7	45.9	41.1	37.8	34.8	33.5
95°	103.6	91.3	70.3	58.7	52.4	46.9	42.1	37.6	34.0	30.8	30.0
97.5°	80.4	73.1	59.2	51.4	47.4	42.4	38.1	34.0	30.5	27.2	26.5
100°	63.5	58.2	50.2	45.6	42.1	38.1	34.3	30.8	27.0	23.4	23.2
102.5°	50.2	47.9	42.6	40.1	37.3	34.3	31.0	27.2	23.4	20.2	19.9
105°	41.1	39.1	36.6	35.0	33.3	30.5	27.5	24.2	20.4	17.4	17.4
107.5°	33.3	32.3	31.0	30.8	29.5	27.2	24.7	21.4	17.6	15.1	15.1
110°	27.2	27.0	27.0	27.0	26.2	24.5	21.9	18.7	14.9	13.1	13.1



REPORT NUMBER: P414145

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.9	22.9	23.2	23.7	23.2	21.4	19.2	16.1	12.9	11.3	11.3
115°	19.4	19.7	20.4	20.7	20.4	19.2	16.9	13.9	10.8	9.8	10.1
117.5°	16.9	16.9	17.9	18.4	18.2	16.9	14.6	11.8	9.3	8.8	8.8
120°	14.6	15.1	15.9	16.1	15.9	14.6	12.9	10.1	8.1	7.8	7.8
122.5°	12.9	13.1	13.9	14.4	13.9	12.9	10.8	8.6	6.8	6.8	7.1
125°	11.3	11.6	12.1	12.6	12.1	10.8	9.3	7.1	6.1	6.1	6.1
127.5°	10.1	10.3	10.8	10.8	10.3	9.3	7.8	6.1	5.0	5.3	5.3
130°	8.8	9.1	9.3	9.3	9.1	8.1	6.6	5.0	4.5	4.8	4.8
132.5°	7.8	8.1	8.1	8.1	7.6	6.8	5.5	4.3	4.0	4.3	4.3
135°	6.8	6.8	7.1	6.8	6.3	5.5	4.3	3.5	3.5	3.8	3.8
137.5°	5.8	6.1	6.1	5.5	5.0	4.3	3.5	3.0	3.0	3.3	3.3
140°	4.8	5.0	4.8	4.5	4.0	3.5	2.8	2.3	2.5	2.8	2.8
142.5°	4.0	4.0	4.0	3.5	3.0	2.5	2.0	2.0	2.3	2.3	2.5
145°	3.0	3.0	3.0	2.8	2.3	1.8	1.5	1.5	1.8	2.0	2.0
147.5°	2.3	2.3	2.3	2.0	1.5	1.3	1.0	1.3	1.5	1.8	1.5
150°	1.5	1.5	1.5	1.3	1.0	0.8	0.8	1.0	1.3	1.3	1.3
152.5°	1.0	1.0	1.0	1.0	0.8	0.3	0.5	0.8	1.0	1.0	1.0
155°	0.8	0.8	0.8	0.8	0.5	0.0	0.3	0.5	0.8	0.8	0.8
157.5°	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.0
165°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
170°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)