

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: P414439

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414439
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-PA1-20-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 1925 lumens
Efficiency: N/A
Efficacy: 91.7 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 - U2 - 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

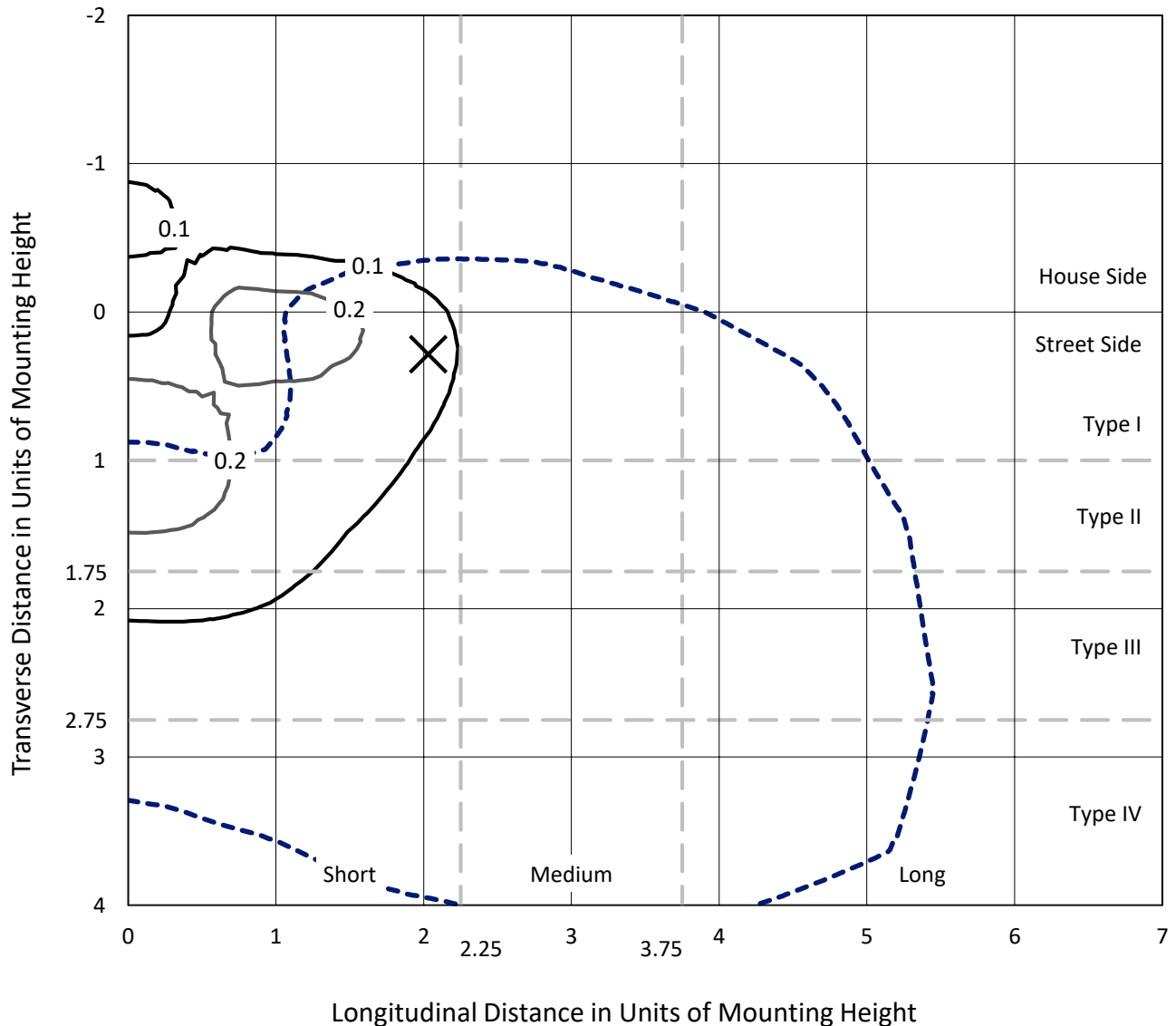


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

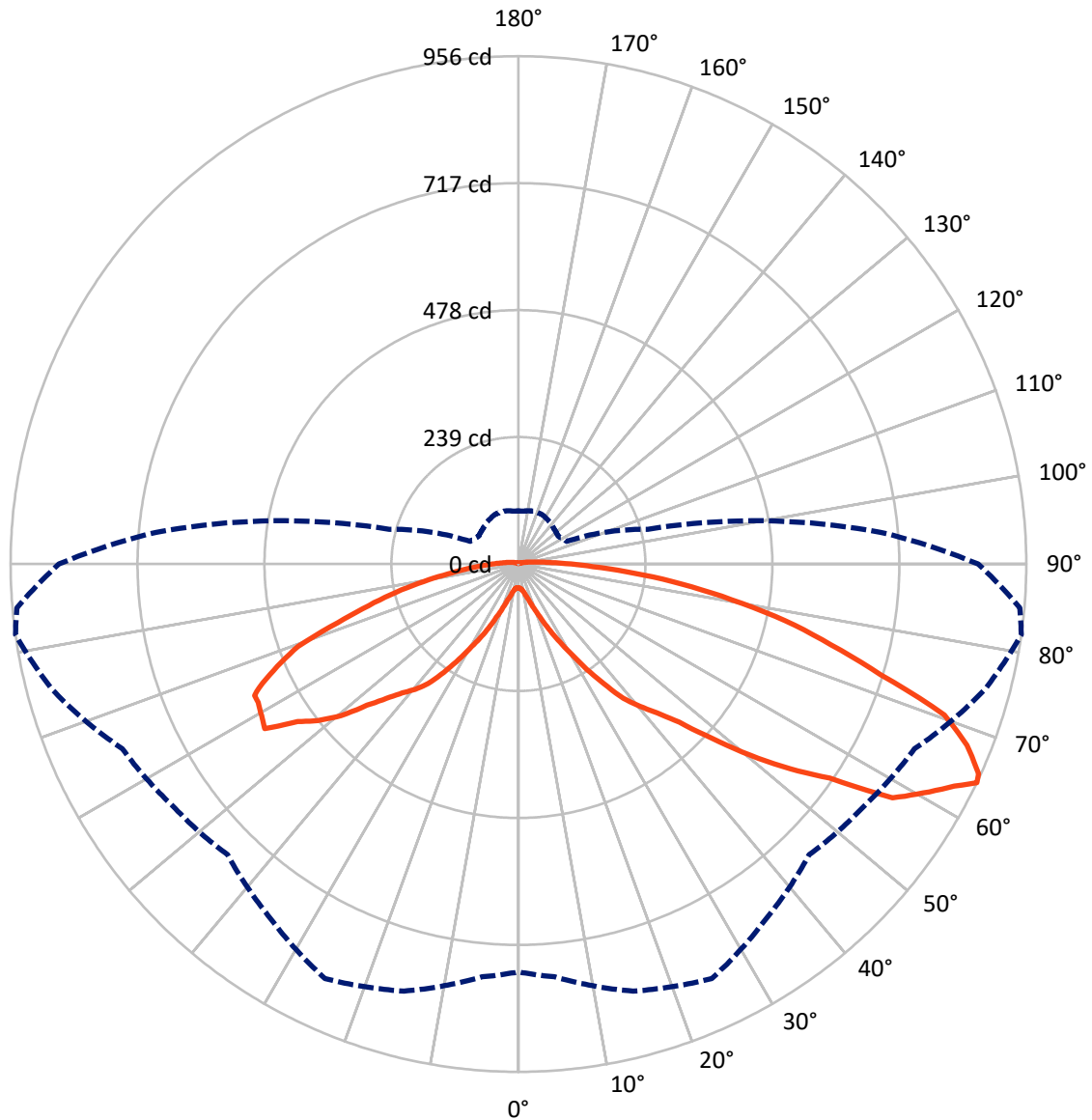


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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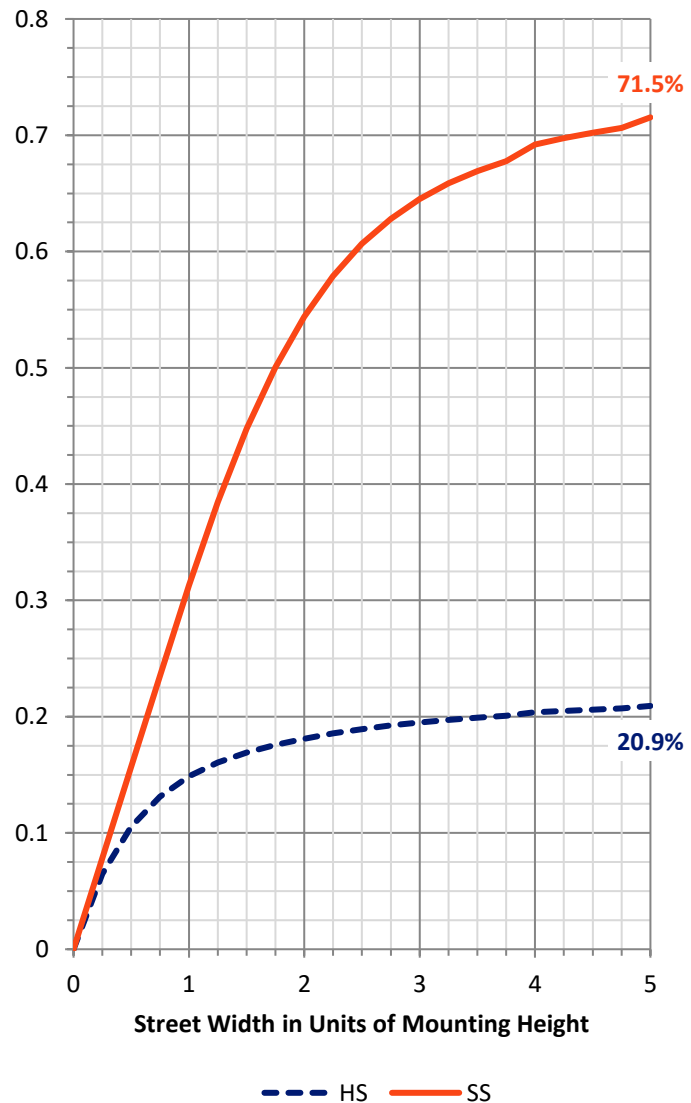
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.2	31.7	454.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1428.6	41.5	1470.1
	% Fixture	74.2	2.2	76.4
Total	Lumens	1851.8	73.3	1925.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	19.8	1.0
20°-30°	57.1	3.0
30°-40°	131.0	6.8
40°-50°	230.1	12.0
50°-60°	369.6	19.2
60°-70°	496.1	25.8
70°-80°	379.3	19.7
80°-90°	164.3	8.5
90°-100°	46.1	2.4
100°-110°	14.0	0.7
110°-120°	6.2	0.3
120°-130°	3.5	0.2
130°-140°	2.1	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1851.8	96.2
0°-180°	1925.0	100.0



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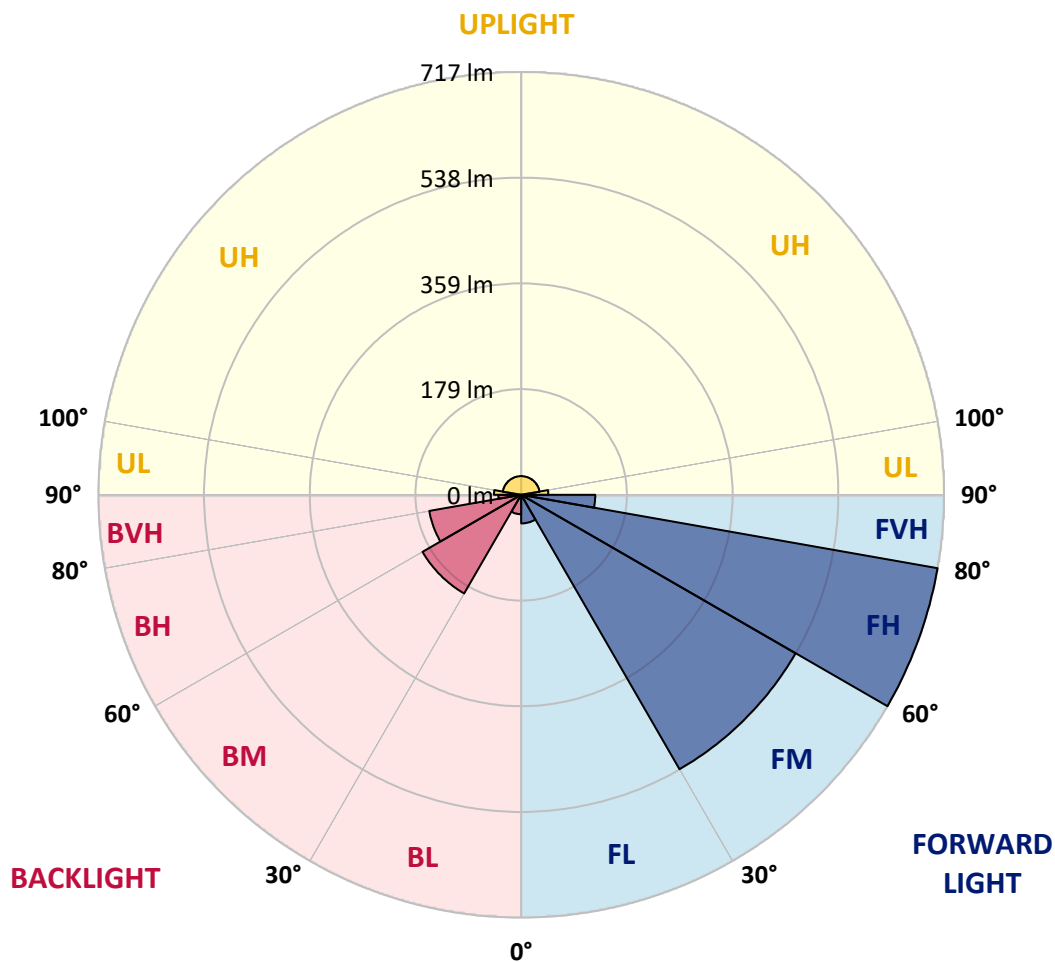
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.5	2.5			
FM	(30°-60°)	537.4	27.9			
FH	(60°-80°)	717.2	37.3			G1/1800
FVH	(80°-90°)	125.6	6.5			G2/225
BL	(0°-30°)	33.0	1.7	B0/110		
BM	(30°-60°)	193.3	10.0	B0/220		
BH	(60°-80°)	158.2	8.2	B1/500		G1/500
BVH	(80°-90°)	38.7	2.0			G1/100
UL	(90°-100°)	46.1	2.4		U2/50	
UH	(100°-180°)	31.7	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2.5°	48.3	48.1	48.1	48.3	48.3	47.9	47.0	46.3	45.6	45.4	45.2
5°	52.7	52.5	52.3	52.5	51.8	51.2	49.8	48.5	47.6	46.7	46.5
7.5°	58.7	58.5	58.3	57.8	56.9	55.6	53.6	51.8	50.3	49.2	48.7
10°	66.5	65.6	65.4	64.5	62.9	60.7	58.5	56.3	54.5	53.0	52.3
12.5°	77.1	77.1	75.3	73.3	70.7	67.4	64.5	62.7	60.9	60.0	58.7
15°	90.2	89.7	88.0	84.6	80.2	76.4	73.3	71.1	70.0	68.5	67.8
17.5°	104.6	103.7	102.1	97.0	91.7	87.7	84.2	82.0	81.3	80.0	79.8
20°	123.4	122.1	118.3	112.1	104.8	100.4	97.0	94.6	94.4	94.8	94.6
22.5°	145.8	144.9	140.2	128.9	120.7	114.3	109.9	110.3	113.2	114.5	112.8
25°	172.6	173.5	165.7	150.7	139.8	128.9	127.2	129.6	136.0	139.6	139.8
27.5°	204.3	204.1	193.9	177.2	160.4	148.2	145.3	152.4	161.5	166.6	166.6
30°	239.7	242.8	228.4	206.7	183.2	168.8	166.6	177.5	187.0	196.1	198.7
32.5°	286.9	286.2	267.6	241.5	210.3	189.9	188.1	201.8	223.3	236.0	236.0
35°	345.6	343.2	317.3	278.1	236.2	213.4	213.6	232.6	261.0	276.5	278.1
37.5°	396.1	398.1	372.0	324.4	269.6	240.2	242.8	268.5	302.6	320.8	327.0
40°	450.2	450.9	422.1	370.2	305.7	268.7	275.2	304.9	337.2	352.3	358.3
42.5°	497.8	501.8	473.0	416.3	342.3	303.8	306.9	332.8	364.9	382.8	391.3
45°	530.6	532.8	515.1	458.6	382.0	339.4	339.0	363.1	404.6	424.5	438.0
47.5°	575.2	581.1	555.7	501.2	422.7	375.8	372.0	403.0	457.5	489.9	501.4
50°	627.4	636.5	618.6	552.8	469.3	418.5	419.2	456.2	523.3	565.6	577.6
52.5°	679.5	683.1	671.1	614.8	523.3	468.4	473.7	520.0	597.1	640.5	647.8
55°	707.4	712.5	716.1	671.5	588.2	527.5	536.8	592.7	660.0	711.0	727.6
57.5°	734.0	741.1	750.4	720.1	652.7	600.6	609.7	659.3	757.7	830.4	843.0
60°	779.0	785.2	803.1	778.3	711.9	670.4	680.0	749.7	825.1	875.1	876.5
62.5°	778.3	788.1	831.5	837.7	775.2	737.6	760.8	798.5	858.1	921.0	919.7
64°	767.7	779.9	832.2	861.0	813.8	773.9	794.1	822.4	909.3	955.8	947.4
65°	760.2	773.7	830.2	866.9	834.8	794.5	809.6	842.3	924.1	951.8	940.3
67.5°	718.7	733.8	808.7	866.3	856.5	826.8	831.7	862.3	899.5	910.4	889.8
70°	644.5	652.5	737.6	829.9	835.0	806.7	820.0	835.7	856.1	850.8	823.7
72.5°	508.7	525.1	611.0	742.7	771.7	751.3	756.4	764.1	743.5	713.0	680.8
75°	362.2	376.9	457.1	585.8	672.0	663.8	670.9	658.5	635.6	607.7	576.3
77.5°	251.9	256.6	322.8	442.0	537.0	562.1	577.4	559.9	547.0	513.6	488.3
80°	163.1	170.8	212.5	320.1	425.6	476.8	501.4	490.1	460.2	406.8	378.0
82.5°	101.0	107.2	140.0	227.3	337.4	408.5	432.3	416.7	368.9	309.3	280.5
85°	57.8	59.2	82.0	148.0	246.6	324.6	356.3	331.4	275.8	218.2	193.0
87.5°	33.2	34.3	49.0	90.6	170.6	244.6	274.7	238.6	185.2	140.2	123.6
90°	21.3	22.6	31.7	59.2	109.9	174.8	197.0	163.7	124.1	88.8	78.2
92.5°	14.6	15.3	21.3	36.8	70.9	115.4	131.6	109.4	77.3	56.7	50.3
95°	10.6	11.1	15.1	25.0	45.6	72.4	81.3	69.3	50.7	37.7	33.7
97.5°	8.6	8.9	11.7	18.4	31.5	46.1	48.7	43.2	33.7	26.8	25.3
100°	7.3	7.5	9.7	14.2	22.4	30.1	30.8	29.0	23.7	19.9	19.1
102.5°	6.6	6.6	8.2	11.5	16.8	21.5	21.5	19.9	16.4	14.6	14.6
105°	6.0	6.0	7.1	9.5	13.3	16.6	16.4	14.6	12.4	11.1	11.3
107.5°	5.3	5.3	6.2	7.8	10.9	13.1	12.6	10.9	9.5	8.6	8.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	4.9	4.9	5.5	6.6	9.1	10.9	10.2	8.4	7.1	7.1	7.3
112.5°	4.4	4.4	4.9	6.0	7.8	8.9	8.2	6.6	5.8	5.8	6.0
115°	4.0	4.0	4.4	5.3	6.9	7.5	6.9	5.3	4.7	4.9	5.3
117.5°	3.8	3.8	4.2	4.9	6.0	6.4	5.8	4.4	4.0	4.4	4.7
120°	3.5	3.5	4.0	4.7	5.5	5.8	4.9	4.0	3.5	4.0	4.2
122.5°	3.5	3.5	3.8	4.4	5.1	5.1	4.4	3.5	3.1	3.5	3.8
125°	3.5	3.5	3.8	4.2	4.7	4.7	4.0	3.1	2.9	3.3	3.3
127.5°	3.8	3.8	4.0	4.2	4.4	4.2	3.5	2.9	2.7	3.1	3.1
130°	3.8	3.8	3.8	4.0	4.0	3.8	3.1	2.7	2.7	2.9	3.1
132.5°	3.8	3.8	3.8	3.8	3.8	3.3	2.9	2.4	2.7	2.9	3.1
135°	3.5	3.5	3.5	3.5	3.3	2.9	2.4	2.0	2.4	2.7	2.7
137.5°	3.1	3.3	3.1	3.1	3.1	2.7	2.0	1.8	2.0	2.4	2.4
140°	2.9	2.9	2.9	2.9	2.7	2.2	1.8	1.3	1.6	2.0	2.0
142.5°	2.7	2.7	2.7	2.4	2.4	2.0	1.3	1.1	1.3	1.6	1.6
145°	2.2	2.2	2.2	2.2	2.0	1.6	1.1	0.9	1.1	1.3	1.3
147.5°	1.8	1.8	1.8	1.8	1.6	1.3	0.9	0.9	1.1	1.1	1.1
150°	1.3	1.6	1.6	1.6	1.3	1.1	0.7	0.7	0.9	1.1	1.1
152.5°	1.1	1.1	1.1	1.3	1.1	0.7	0.4	0.7	0.9	0.9	0.9
155°	0.7	0.9	0.9	0.9	0.9	0.7	0.4	0.7	0.7	0.9	0.9
157.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.4	0.4	0.7	0.7	0.7
160°	0.2	0.2	0.4	0.7	0.7	0.7	0.4	0.4	0.7	0.7	0.7
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°	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2.5°	45.0	44.8	44.3	43.9	43.6	43.6	43.2	43.0	42.3	42.3	42.1
5°	45.9	45.4	44.5	43.6	43.0	42.8	42.3	41.7	41.2	41.0	41.0
7.5°	47.9	47.2	45.4	44.3	43.4	42.8	42.3	41.7	41.2	41.0	41.0
10°	51.2	50.1	48.1	46.1	44.8	43.9	43.4	43.2	43.0	42.8	42.8
12.5°	57.6	56.1	52.7	50.3	47.6	46.3	45.9	46.3	47.4	47.9	48.1
15°	66.5	64.5	60.5	56.1	52.1	49.8	50.7	53.0	54.9	55.8	55.6
17.5°	77.5	74.4	69.6	63.6	58.0	56.9	57.8	60.3	63.1	64.5	64.3
20°	91.7	89.3	82.0	72.2	66.0	64.3	64.9	68.0	72.2	73.6	74.0
22.5°	111.2	107.7	96.4	82.9	74.7	71.3	72.0	76.0	81.8	84.9	85.5
25°	136.5	132.7	116.1	95.5	82.6	77.5	80.2	85.5	94.8	99.7	99.3
27.5°	165.7	159.3	137.6	111.0	91.9	84.0	88.0	96.6	106.3	112.5	112.1
30°	192.8	187.2	158.2	125.2	99.9	90.2	94.4	105.5	116.8	124.3	124.7
32.5°	233.3	223.1	182.3	137.4	106.3	95.3	99.3	112.8	125.8	134.9	134.7
35°	275.2	263.6	208.9	151.5	111.9	98.6	102.8	118.1	132.5	143.3	143.6
37.5°	319.3	303.1	232.6	160.8	116.3	100.6	104.8	121.9	140.2	152.7	153.1
40°	348.9	330.6	247.0	165.7	117.6	101.9	106.6	124.5	141.6	150.7	151.5
42.5°	382.2	356.3	254.6	161.7	116.1	101.7	107.0	122.5	135.8	142.2	142.9
45°	428.0	393.3	262.8	155.5	111.9	101.0	105.2	117.2	125.8	128.3	128.3
47.5°	487.6	438.2	276.5	148.9	107.5	99.0	102.1	109.9	113.2	112.8	111.7
50°	559.2	502.0	293.1	143.1	103.2	96.6	98.6	103.0	104.1	102.8	102.1
52.5°	630.5	553.4	304.6	138.0	100.6	94.4	95.7	99.0	99.0	95.0	94.4
55°	695.9	600.0	301.5	128.3	98.6	93.3	94.6	97.0	95.0	90.4	89.5
57.5°	801.6	680.4	309.5	118.8	95.7	93.1	94.8	96.4	93.5	89.1	88.2
60°	820.4	677.1	290.7	112.8	93.7	93.7	95.7	97.5	95.5	91.5	91.3
62.5°	846.6	680.2	262.1	104.1	92.4	94.2	97.7	100.4	100.1	97.3	96.8
64°	864.9	684.6	251.9	100.1	91.3	94.2	99.3	103.2	103.2	99.9	99.9
65°	846.8	667.8	244.4	98.1	90.2	94.2	100.1	105.0	104.6	101.9	101.5
67.5°	791.8	613.0	212.5	93.7	87.7	94.2	102.6	107.9	108.6	106.3	105.5
70°	724.7	553.2	184.8	88.6	85.3	93.1	102.6	109.7	110.8	108.3	107.7
72.5°	590.7	444.9	152.4	83.1	81.8	90.4	101.3	108.8	109.9	107.0	106.1
75°	495.2	363.3	126.3	77.8	78.0	87.1	97.9	104.8	104.8	101.7	100.4
77.5°	407.9	293.3	104.6	72.7	73.6	82.9	91.9	96.4	95.0	92.2	90.4
80°	305.5	221.6	86.2	67.1	68.0	76.0	83.5	86.6	85.3	81.8	81.3
82.5°	223.5	159.3	73.6	61.4	62.0	68.5	74.0	76.7	77.8	74.9	74.0
85°	146.9	112.3	63.1	55.6	56.1	60.9	64.5	66.7	69.1	68.2	67.8
87.5°	95.9	77.8	53.4	49.0	49.4	53.4	55.8	58.0	62.9	63.6	62.7
90°	64.5	54.5	44.1	42.3	43.0	46.3	47.6	49.8	55.2	56.1	56.1
92.5°	43.2	39.0	35.7	35.7	36.8	39.7	39.9	40.5	45.0	46.1	45.6
95°	30.4	29.0	28.8	29.2	30.6	32.8	31.7	31.2	34.1	34.3	33.9
97.5°	23.3	22.8	23.3	23.9	24.6	26.8	25.7	24.6	25.9	25.5	25.9
100°	18.6	18.4	19.1	19.1	19.7	21.7	20.8	20.2	20.4	19.5	19.5
102.5°	14.8	14.8	15.5	15.7	16.2	17.7	17.5	16.8	16.4	15.5	15.7
105°	11.5	11.7	12.6	12.9	13.5	14.8	14.6	13.7	13.3	12.2	12.4
107.5°	9.3	9.7	10.4	10.6	11.3	12.4	12.0	11.1	10.4	10.0	10.0



REPORT NUMBER: P414439

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.8	8.0	8.6	8.9	9.5	10.4	10.2	9.1	8.2	8.0	8.2
112.5°	6.4	6.9	7.3	7.5	8.2	8.9	8.2	7.3	6.6	6.9	6.9
115°	5.5	5.8	6.2	6.4	6.9	7.5	6.9	6.0	5.5	5.8	6.0
117.5°	5.1	5.3	5.5	5.5	6.0	6.4	5.8	5.1	4.9	5.1	5.3
120°	4.4	4.7	4.9	5.1	5.3	5.5	5.1	4.4	4.2	4.7	4.7
122.5°	4.0	4.2	4.2	4.4	4.7	4.9	4.4	4.0	3.8	4.0	4.2
125°	3.5	3.8	4.0	4.0	4.2	4.2	4.0	3.5	3.5	3.8	3.8
127.5°	3.3	3.5	3.5	3.8	3.8	3.8	3.5	3.1	3.3	3.5	3.5
130°	3.3	3.3	3.3	3.3	3.3	3.3	3.1	2.9	3.1	3.3	3.3
132.5°	3.1	3.1	3.1	3.1	3.1	2.9	2.7	2.7	2.9	3.1	3.1
135°	2.9	2.9	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.7	2.7
137.5°	2.4	2.4	2.2	2.2	2.2	2.2	2.0	2.0	2.2	2.4	2.4
140°	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.2
142.5°	1.6	1.6	1.6	1.3	1.3	1.6	1.6	1.6	1.8	1.8	1.8
145°	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.3	1.6	1.6	1.6
147.5°	1.1	1.1	1.1	0.9	0.7	1.1	1.1	1.1	1.3	1.1	1.1
150°	1.1	1.1	0.9	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.7	0.4	0.4	0.7	0.9	0.7	0.7	0.7
155°	0.9	0.9	0.7	0.7	0.4	0.2	0.4	0.7	0.4	0.4	0.4
157.5°	0.7	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2
160°	0.7	0.7	0.4	0.4	0.2	0.2	0.4	0.4	0.2	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)