

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: P414093

Luminaire Tested: **LXF.LXT-PA1-20-722-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414093
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-PA1-20-722-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 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: 1843 lumens
Efficiency: N/A
Efficacy: 87.8 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

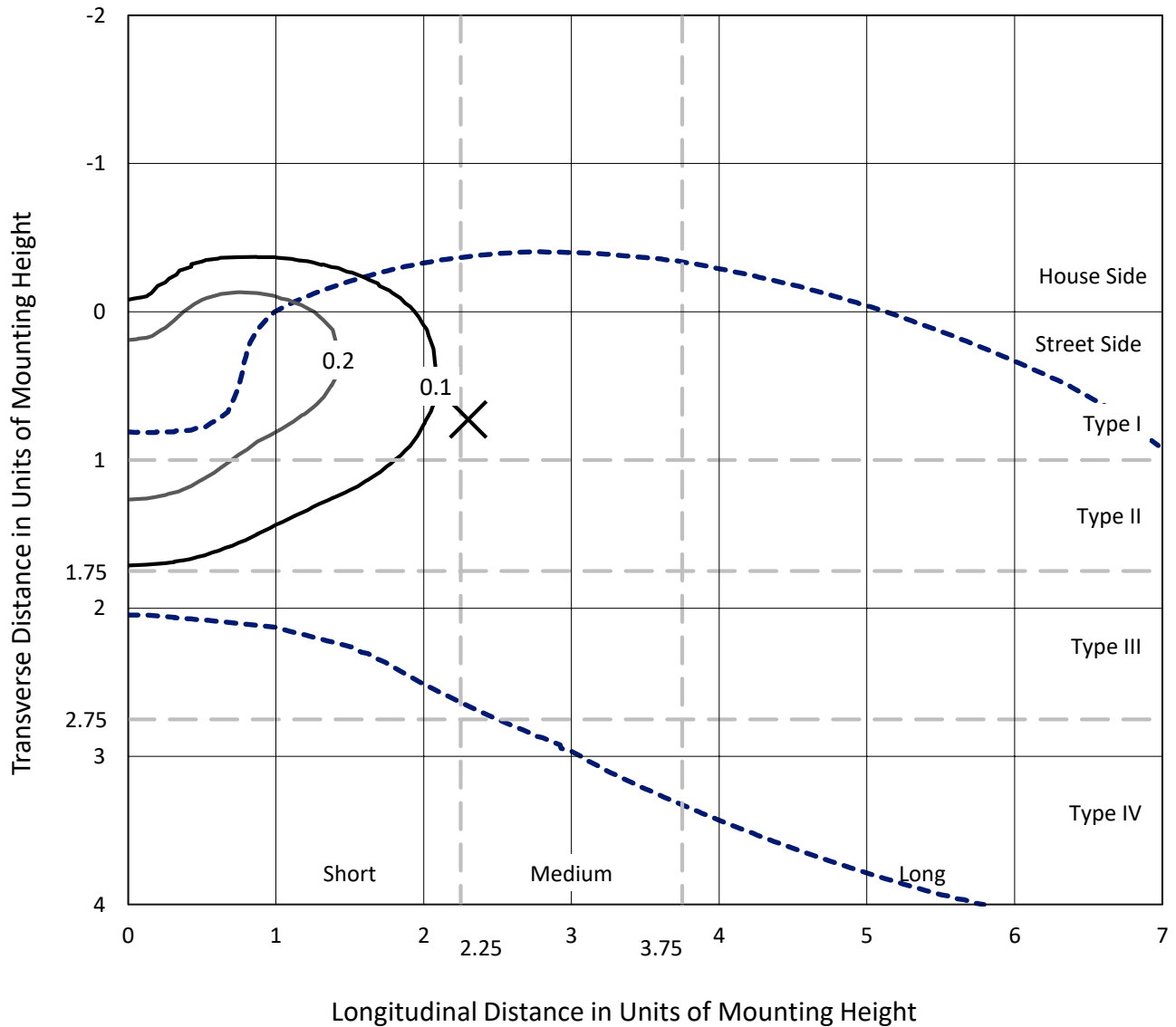
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

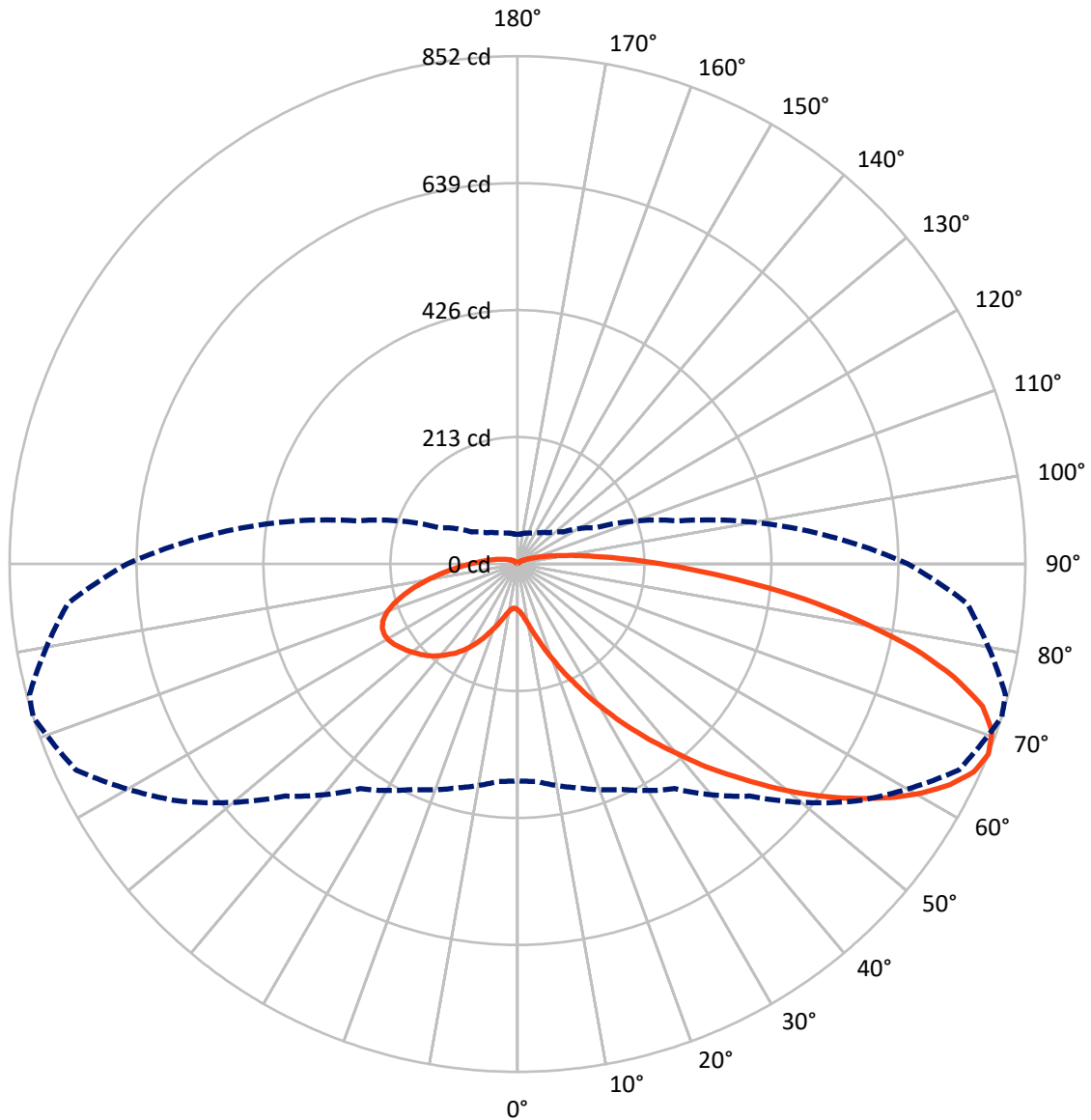
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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	374.2	53.2	427.5
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	1312.3	103.2	1415.5
	% Fixture	71.2	5.6	76.8
Total	Lumens	1686.5	156.4	1843.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.4
10°-20°	31.4	1.7
20°-30°	75.9	4.1
30°-40°	144.7	7.9
40°-50°	233.0	12.6
50°-60°	322.3	17.5
60°-70°	370.3	20.1
70°-80°	317.9	17.2
80°-90°	183.0	9.9
90°-100°	82.7	4.5
100°-110°	38.0	2.1
110°-120°	19.1	1.0
120°-130°	9.9	0.5
130°-140°	4.7	0.3
140°-150°	1.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1686.5	91.5
0°-180°	1843.0	100.0



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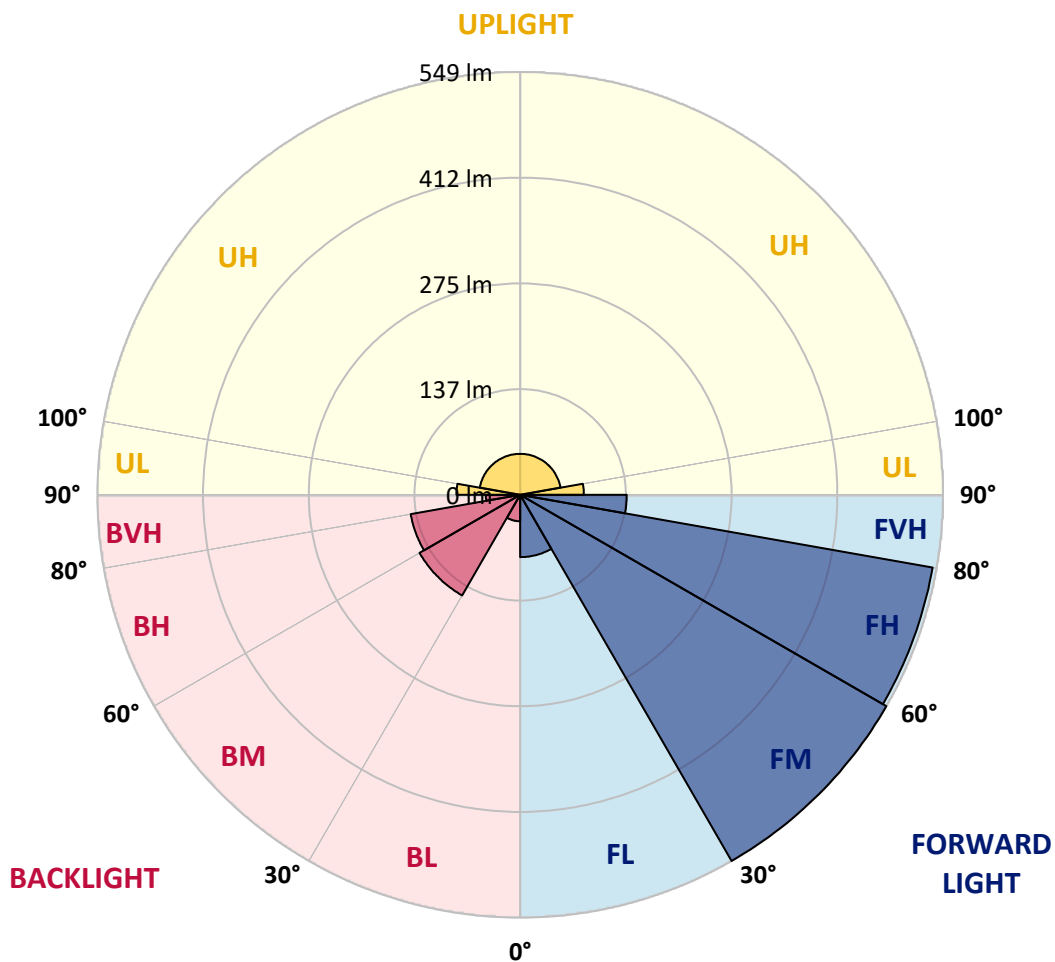
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.9	4.4			
FM	(30°-60°)	549.1	29.8			
FH	(60°-80°)	543.9	29.5			G0/660
FVH	(80°-90°)	138.4	7.5			G2/225
BL	(0°-30°)	34.4	1.9	B0/110		
BM	(30°-60°)	150.9	8.2	B0/220		
BH	(60°-80°)	144.3	7.8	B1/500		G1/500
BVH	(80°-90°)	44.7	2.4			G1/100
UL	(90°-100°)	82.7	4.5		U3/500	
UH	(100°-180°)	53.2	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°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	86.2	86.0	86.2	85.5	84.9	83.5	82.6	80.9	80.0	79.5	77.8
5°	98.4	98.2	97.9	97.0	94.8	93.3	90.6	87.5	85.5	84.6	81.8
7.5°	111.7	111.2	110.8	108.8	107.2	104.6	100.6	96.6	93.3	92.6	87.3
10°	126.7	126.3	125.4	123.9	121.0	117.2	113.7	107.9	103.7	101.7	95.9
12.5°	142.2	143.1	142.0	138.9	135.6	132.1	127.0	121.4	117.0	115.4	106.6
15°	161.1	161.7	160.6	157.1	153.5	148.2	144.2	138.5	132.5	131.6	121.9
17.5°	181.9	181.7	179.5	176.1	173.0	168.8	163.1	157.8	151.1	149.6	137.6
20°	204.5	203.6	201.6	196.1	193.2	188.3	184.8	177.5	171.1	168.8	156.9
22.5°	227.1	226.7	224.9	219.8	216.3	212.0	206.7	200.1	195.6	191.2	177.9
25°	255.5	252.8	250.6	241.5	238.2	234.2	229.5	224.0	219.8	217.4	202.1
27.5°	283.8	281.8	276.7	270.1	263.7	257.2	255.2	250.4	249.0	247.0	229.8
30°	312.0	311.1	305.5	297.1	287.8	281.6	280.5	280.9	279.0	276.5	258.1
32.5°	343.9	341.9	335.7	324.4	314.6	307.3	307.3	310.4	312.2	309.8	290.3
35°	375.1	373.3	365.6	351.6	340.8	331.9	335.5	342.8	347.0	347.0	322.8
37.5°	408.1	404.1	396.2	381.5	366.9	360.5	364.5	377.1	383.3	383.3	358.9
40°	436.9	436.7	425.9	408.4	393.9	384.4	396.6	413.4	421.6	421.0	395.3
42.5°	465.7	465.5	455.1	435.8	417.7	412.8	428.1	451.8	465.1	465.1	432.1
45°	491.7	489.9	481.0	459.8	442.9	440.7	463.3	493.4	507.2	509.4	471.9
47.5°	510.7	509.2	501.4	480.8	464.9	468.8	496.1	534.4	553.0	552.8	512.7
50°	523.6	522.0	515.4	497.6	483.9	493.9	531.8	577.9	601.1	602.9	553.0
52.5°	527.3	526.4	522.9	508.3	499.4	516.5	565.2	622.2	648.5	650.1	597.1
55°	520.9	520.9	520.7	511.8	508.3	536.6	599.8	665.4	694.0	696.8	640.6
57.5°	505.8	506.5	510.5	507.6	512.9	552.8	629.0	704.4	738.9	740.7	679.3
60°	483.0	481.7	490.6	495.9	510.3	563.0	655.0	743.6	779.7	780.4	713.5
62.5°	448.5	449.1	462.0	475.9	500.7	567.2	677.8	777.9	814.5	816.0	740.0
65°	407.7	409.2	426.7	450.2	484.3	562.8	690.9	804.3	840.9	838.9	755.3
67.5°	363.6	365.8	388.6	417.2	460.0	550.4	693.1	816.9	851.7	847.3	756.7
70°	315.3	321.1	343.9	381.1	428.5	526.7	680.2	814.7	844.4	840.2	736.9
72.5°	271.4	275.6	300.7	339.4	393.3	492.3	653.0	789.2	815.8	807.4	695.7
75°	227.8	234.2	257.9	299.3	355.2	449.8	606.7	740.0	756.4	747.4	634.4
77.5°	190.5	196.3	219.8	259.7	313.3	405.2	545.9	665.4	678.9	669.6	556.8
80°	155.3	161.7	184.6	223.8	274.1	353.0	476.4	578.1	583.2	568.5	471.3
82.5°	129.8	133.2	154.4	189.0	235.3	304.4	405.0	485.0	485.2	467.7	382.9
85°	106.1	108.1	127.6	158.9	198.5	257.2	332.6	390.6	386.2	376.7	295.1
87.5°	86.0	88.0	105.5	133.6	167.1	214.7	271.4	307.5	297.1	289.6	229.1
90°	70.5	72.7	87.1	111.4	140.3	177.3	216.0	237.7	228.4	222.7	176.6
92.5°	57.6	59.8	72.5	93.3	118.8	145.1	171.7	181.9	175.5	168.8	133.2
95°	48.7	49.2	60.5	78.0	98.2	117.2	134.5	140.5	131.6	129.2	103.0
97.5°	40.1	41.4	50.3	65.8	82.0	97.7	106.6	109.7	101.7	96.4	78.9
100°	34.1	34.8	42.5	54.9	68.2	79.5	86.4	84.9	77.8	74.7	59.8
102.5°	29.2	29.9	36.1	47.6	58.1	66.2	69.6	67.1	60.5	58.5	47.0
105°	25.7	25.9	31.0	40.3	49.2	56.1	57.4	53.6	47.2	44.5	37.0
107.5°	22.8	23.0	27.0	35.0	42.5	47.2	47.6	43.4	37.2	35.2	29.7
110°	20.4	20.8	23.7	30.4	36.8	40.3	39.9	35.5	29.7	27.9	24.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	18.4	18.8	21.0	26.6	31.9	35.0	33.9	28.6	23.7	22.6	20.2
115°	16.8	17.3	19.1	23.5	28.1	30.4	28.6	23.7	19.5	18.2	16.8
117.5°	15.7	16.0	17.3	20.8	24.4	26.1	24.2	19.7	16.0	15.1	14.4
120°	14.6	14.8	16.0	18.4	21.5	22.4	20.4	16.2	13.3	12.9	12.6
122.5°	13.7	13.7	14.6	16.4	18.6	19.3	17.3	13.5	11.3	10.9	11.1
125°	12.9	12.9	13.3	14.6	16.2	16.6	14.4	11.3	9.5	9.3	9.7
127.5°	12.0	12.0	12.2	13.1	14.0	14.0	12.0	9.3	8.2	8.0	8.6
130°	11.1	11.1	11.1	11.5	12.0	11.7	9.7	7.8	7.1	7.1	7.5
132.5°	10.2	10.2	10.2	10.2	10.0	9.5	8.0	6.2	6.2	6.2	6.6
135°	9.1	9.1	9.1	8.9	8.4	7.8	6.2	5.1	5.1	5.3	5.8
137.5°	8.2	8.2	8.0	7.5	6.9	6.0	4.9	4.0	4.4	4.4	4.9
140°	7.1	7.1	6.9	6.2	5.3	4.4	3.5	3.3	3.5	3.8	4.2
142.5°	6.0	6.0	5.8	5.1	4.2	3.1	2.4	2.4	2.9	2.9	3.3
145°	4.9	4.9	4.7	4.0	2.9	2.0	1.6	1.8	2.2	2.2	2.4
147.5°	3.8	3.8	3.5	2.9	2.0	1.3	0.9	1.3	1.6	1.6	1.8
150°	2.7	2.7	2.4	2.0	1.3	0.7	0.4	0.7	0.9	1.1	1.1
152.5°	1.8	1.8	1.6	1.3	0.7	0.2	0.4	0.7	0.7	0.7	0.9
155°	1.1	0.9	0.9	0.7	0.2	0.0	0.2	0.4	0.4	0.4	0.7
157.5°	0.4	0.4	0.4	0.4	0.2	0.0	0.2	0.2	0.2	0.4	0.4
160°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
162.5°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
165°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
167.5°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
170°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
172.5°	0.0	0.2	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
175°	0.0	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
177.5°	0.0	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.5°	77.3	76.4	75.1	73.8	72.5	71.6	70.7	70.2	69.6	68.9	68.9
5°	80.0	78.2	75.1	72.0	69.1	66.7	64.3	62.9	62.0	61.2	61.4
7.5°	84.9	82.2	77.1	72.0	67.4	63.4	60.0	57.4	55.6	54.5	54.7
10°	91.7	88.8	81.1	73.8	67.1	61.4	56.7	53.0	50.7	49.6	49.6
12.5°	102.6	97.7	87.5	77.1	68.2	60.5	54.5	50.1	47.0	45.6	45.4
15°	115.7	108.8	96.4	83.5	70.9	60.5	52.7	49.6	47.6	46.8	46.5
17.5°	131.2	123.6	106.6	89.5	74.4	61.8	55.2	51.4	49.2	48.3	48.1
20°	148.0	139.1	117.7	97.0	78.0	65.8	57.6	53.0	50.5	49.6	49.6
22.5°	168.6	156.9	129.6	103.7	82.4	69.1	60.0	54.3	52.1	51.2	51.0
25°	189.9	176.6	143.8	110.8	87.3	71.8	61.8	55.6	53.4	52.5	52.7
27.5°	214.9	197.9	157.8	117.9	91.5	73.3	62.7	56.7	54.5	53.8	54.1
30°	241.1	219.6	170.2	125.2	94.4	74.4	63.4	57.6	55.2	54.7	54.7
32.5°	268.8	244.4	183.0	131.6	96.2	74.7	63.4	58.1	55.6	55.4	55.6
35°	297.1	268.3	195.4	136.7	97.0	74.4	63.1	58.5	55.6	55.6	55.6
37.5°	328.6	291.8	205.8	140.3	97.3	73.8	62.9	58.3	55.6	55.6	55.8
40°	360.9	316.8	217.4	143.1	97.0	73.3	62.7	58.3	55.6	55.6	55.8
42.5°	393.1	340.1	228.2	144.9	96.6	72.9	62.5	58.3	55.6	55.2	55.4
45°	427.8	367.1	238.6	146.0	96.2	72.7	62.5	58.1	55.6	54.7	54.9
47.5°	460.2	392.2	247.0	147.3	95.9	72.7	62.7	58.1	55.4	54.5	54.5
50°	496.8	418.1	255.7	147.8	95.5	72.7	62.7	58.1	55.2	53.8	54.1
52.5°	532.9	444.2	264.1	148.7	95.5	72.9	62.9	58.1	54.9	53.2	53.2
55°	567.4	467.5	271.6	149.3	95.5	73.3	63.6	58.1	54.7	52.5	52.5
57.5°	599.1	491.4	279.2	149.6	95.5	73.8	63.6	58.3	54.5	51.8	51.8
60°	627.3	512.0	284.5	149.8	95.3	74.2	64.0	58.1	54.3	51.2	51.2
62.5°	647.2	527.8	287.2	149.1	95.3	74.2	64.3	58.1	54.1	51.0	50.7
65°	658.5	533.3	285.6	147.1	94.8	74.2	64.0	57.8	53.6	50.5	50.3
67.5°	654.7	527.3	279.0	144.0	93.7	74.0	64.0	57.4	53.6	50.3	49.9
70°	634.4	509.4	266.3	139.4	92.2	73.1	63.1	56.7	53.2	50.1	49.6
72.5°	594.5	473.3	247.9	132.1	89.5	71.8	62.0	55.6	52.3	49.4	48.7
75°	539.1	430.3	225.6	124.5	86.2	70.0	60.7	54.5	51.2	48.5	47.9
77.5°	468.0	372.9	200.7	114.8	82.0	67.6	58.9	52.7	49.6	47.2	46.3
80°	394.2	314.2	173.9	104.6	77.5	64.5	56.3	50.5	47.6	45.4	44.3
82.5°	319.1	258.1	148.9	94.8	72.5	60.9	53.6	48.1	45.4	43.0	41.9
85°	251.7	204.1	124.7	84.6	67.1	57.4	50.5	45.2	42.8	40.1	39.0
87.5°	195.9	162.0	104.4	75.3	61.4	53.4	47.2	42.3	39.4	37.0	36.1
90°	152.7	127.6	87.3	66.5	56.3	49.4	43.6	39.2	36.3	33.9	32.8
92.5°	116.3	101.0	73.1	58.7	51.2	45.4	40.3	36.1	33.2	30.6	29.5
95°	91.1	80.2	61.8	51.6	46.1	41.2	37.0	33.0	29.9	27.0	26.4
97.5°	70.7	64.3	52.1	45.2	41.7	37.2	33.5	29.9	26.8	23.9	23.3
100°	55.8	51.2	44.1	40.1	37.0	33.5	30.1	27.0	23.7	20.6	20.4
102.5°	44.1	42.1	37.4	35.2	32.8	30.1	27.3	23.9	20.6	17.7	17.5
105°	36.1	34.3	32.1	30.8	29.2	26.8	24.2	21.3	17.9	15.3	15.3
107.5°	29.2	28.4	27.3	27.0	25.9	23.9	21.7	18.8	15.5	13.3	13.3
110°	23.9	23.7	23.7	23.7	23.0	21.5	19.3	16.4	13.1	11.5	11.5



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CATALOG NUMBER: LXF.LXT-PA1-20-722-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	20.2	20.4	20.8	20.4	18.8	16.8	14.2	11.3	10.0	10.0
115°	17.1	17.3	17.9	18.2	17.9	16.8	14.8	12.2	9.5	8.6	8.9
117.5°	14.8	14.8	15.7	16.2	16.0	14.8	12.9	10.4	8.2	7.8	7.8
120°	12.9	13.3	14.0	14.2	14.0	12.9	11.3	8.9	7.1	6.9	6.9
122.5°	11.3	11.5	12.2	12.6	12.2	11.3	9.5	7.5	6.0	6.0	6.2
125°	10.0	10.2	10.6	11.1	10.6	9.5	8.2	6.2	5.3	5.3	5.3
127.5°	8.9	9.1	9.5	9.5	9.1	8.2	6.9	5.3	4.4	4.7	4.7
130°	7.8	8.0	8.2	8.2	8.0	7.1	5.8	4.4	4.0	4.2	4.2
132.5°	6.9	7.1	7.1	7.1	6.6	6.0	4.9	3.8	3.5	3.8	3.8
135°	6.0	6.0	6.2	6.0	5.5	4.9	3.8	3.1	3.1	3.3	3.3
137.5°	5.1	5.3	5.3	4.9	4.4	3.8	3.1	2.7	2.7	2.9	2.9
140°	4.2	4.4	4.2	4.0	3.5	3.1	2.4	2.0	2.2	2.4	2.4
142.5°	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	2.0	2.0	2.2
145°	2.7	2.7	2.7	2.4	2.0	1.6	1.3	1.3	1.6	1.8	1.8
147.5°	2.0	2.0	2.0	1.8	1.3	1.1	0.9	1.1	1.3	1.6	1.3
150°	1.3	1.3	1.3	1.1	0.9	0.7	0.7	0.9	1.1	1.1	1.1
152.5°	0.9	0.9	0.9	0.9	0.7	0.2	0.4	0.7	0.9	0.9	0.9
155°	0.7	0.7	0.7	0.7	0.4	0.0	0.2	0.4	0.7	0.7	0.7
157.5°	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.2	0.4	0.4	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2
162.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.0
165°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
167.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
170°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
172.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
175°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
177.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

(END OF REPORT)