

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: P414436

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1928 lumens
Efficiency: N/A
Efficacy: 91.8 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 - U2 - G2

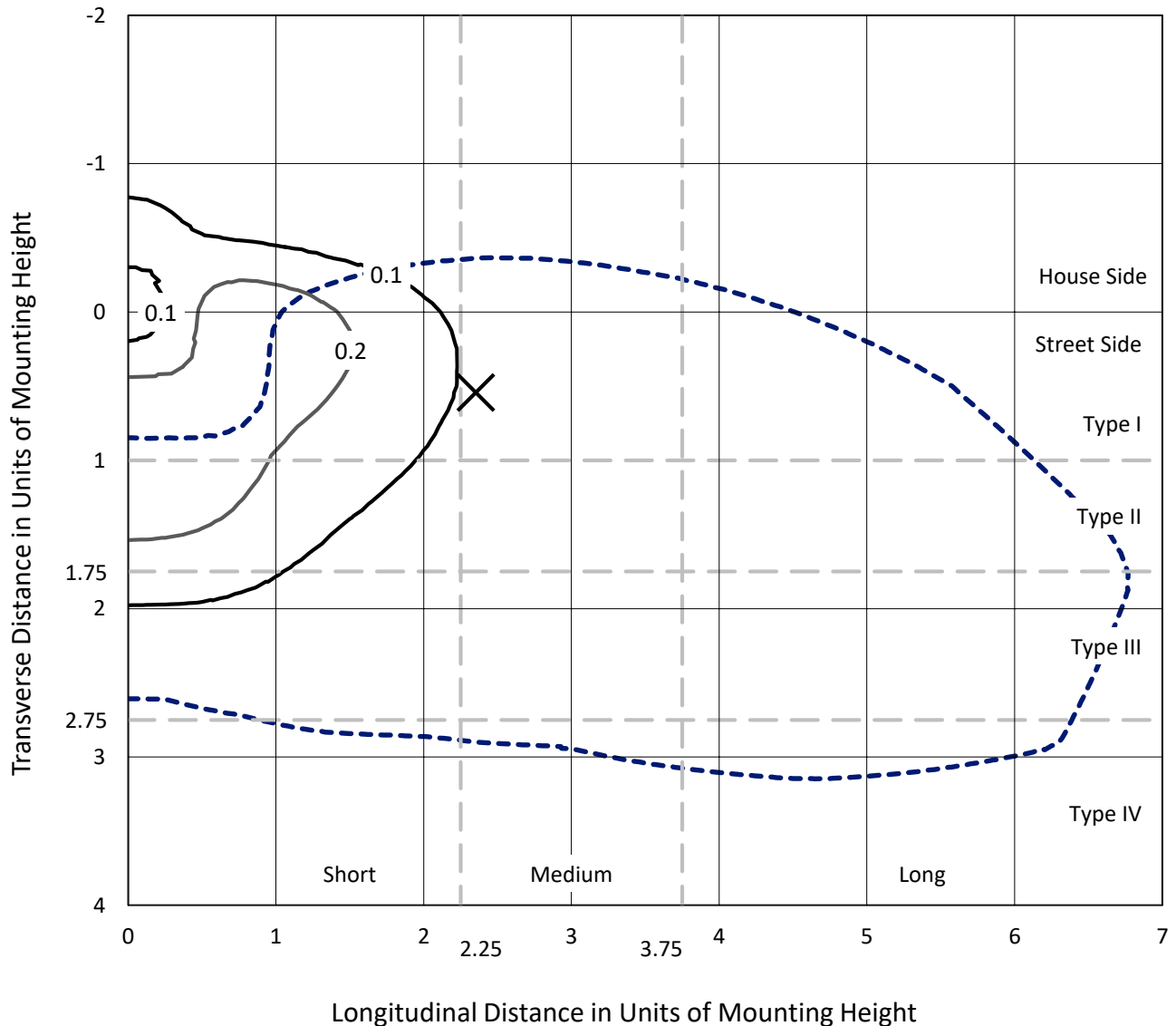
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

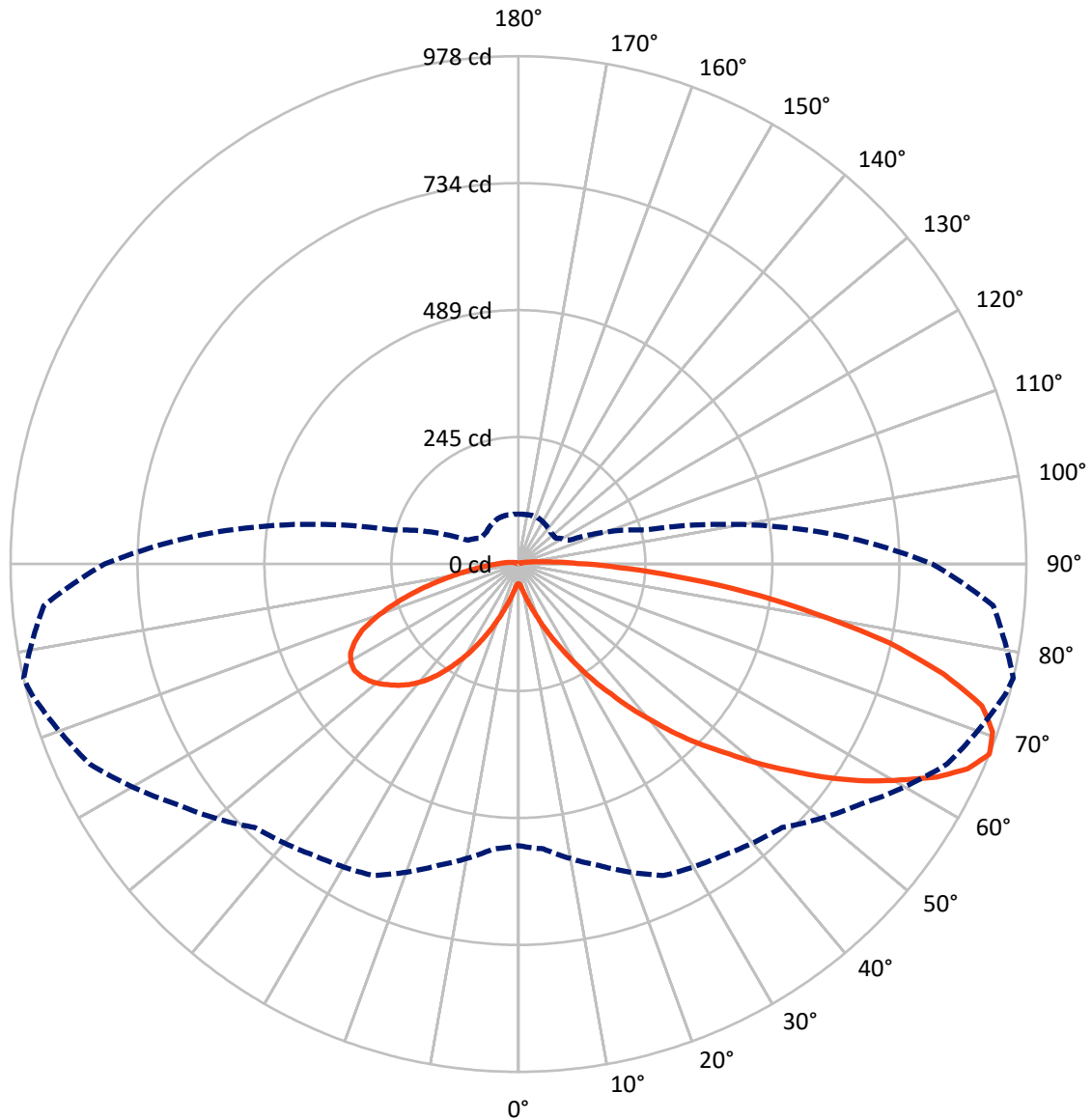
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	439.9	29.0	468.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	1426.9	32.3	1459.2
	% Fixture	74.0	1.7	75.7
Total	Lumens	1866.8	61.2	1928.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.2
10°-20°	22.4	1.2
20°-30°	66.8	3.5
30°-40°	148.0	7.7
40°-50°	265.0	13.7
50°-60°	396.9	20.6
60°-70°	467.8	24.3
70°-80°	357.2	18.5
80°-90°	138.5	7.2
90°-100°	35.3	1.8
100°-110°	13.4	0.7
110°-120°	6.3	0.3
120°-130°	3.4	0.2
130°-140°	1.9	0.1
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1866.8	96.8
0°-180°	1928.0	100.0



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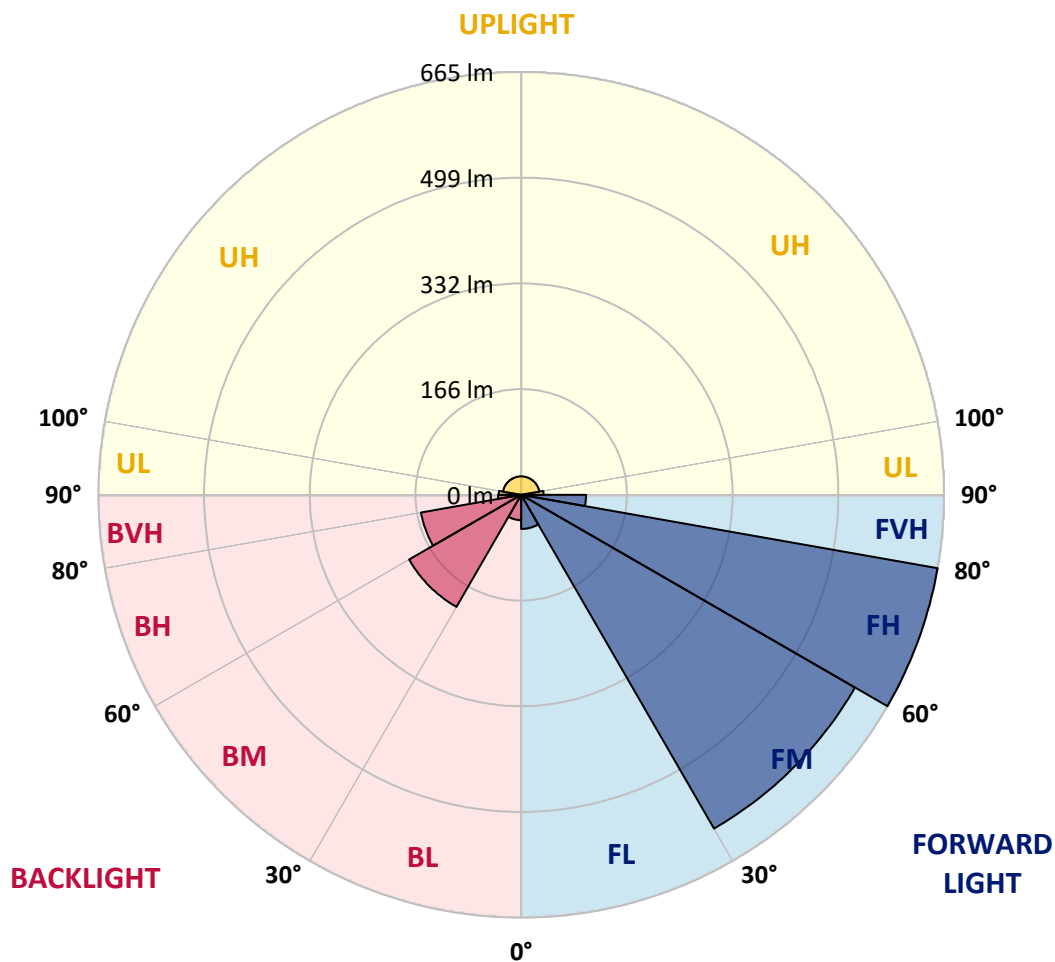
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.7	2.8			
FM	(30°-60°)	606.2	31.4			
FH	(60°-80°)	665.0	34.5			G1/1800
FVH	(80°-90°)	102.0	5.3			G2/225
BL	(0°-30°)	39.8	2.1	B0/110		
BM	(30°-60°)	203.6	10.6	B0/220		
BH	(60°-80°)	159.9	8.3	B1/500		G1/500
BVH	(80°-90°)	36.5	1.9			G1/100
UL	(90°-100°)	35.3	1.8		U2/50	
UH	(100°-180°)	29.0	1.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	40.1	39.9	40.1	40.1	40.3	39.9	39.4	39.2	39.0	39.0	38.8
5°	44.3	43.9	44.1	44.3	44.1	43.6	43.0	42.7	42.3	42.3	41.9
7.5°	50.3	50.3	50.1	49.6	50.1	49.4	49.0	48.7	48.1	47.8	47.6
10°	59.4	58.9	58.7	58.3	57.8	57.6	56.7	56.7	55.6	56.0	55.4
12.5°	71.1	70.2	70.4	69.6	68.2	67.3	66.9	66.7	66.7	66.7	66.4
15°	85.3	84.6	84.4	82.4	81.1	80.0	79.1	79.3	80.4	80.6	79.7
17.5°	101.4	102.6	100.6	98.8	96.8	94.6	94.6	94.6	95.5	96.1	95.7
20°	124.0	121.8	119.6	116.7	113.4	111.6	110.7	113.4	115.0	116.1	115.6
22.5°	148.8	146.6	144.2	139.5	134.9	131.6	131.6	134.9	138.4	139.8	140.2
25°	177.0	178.3	172.3	165.2	156.8	153.9	154.4	159.3	164.6	165.7	168.3
27.5°	211.8	211.8	206.7	195.4	184.3	178.5	179.0	186.9	194.9	196.5	198.5
30°	254.1	252.5	245.6	230.6	216.0	205.1	207.1	216.8	229.5	230.8	233.2
32.5°	301.2	301.0	287.7	269.1	248.1	235.2	236.1	250.3	266.0	269.8	272.4
35°	353.5	354.8	337.6	310.5	286.2	268.9	271.8	287.9	306.3	307.2	310.5
37.5°	413.3	412.7	392.1	362.6	326.3	307.9	305.7	327.6	346.9	352.6	350.9
40°	479.5	472.5	452.5	416.0	371.2	346.6	347.1	369.7	395.8	397.6	397.1
42.5°	544.9	541.8	517.6	468.3	420.4	391.4	392.5	414.2	441.2	448.1	443.2
45°	615.3	607.6	581.4	530.5	472.2	440.8	437.9	462.3	492.0	497.3	492.6
47.5°	672.3	667.4	644.3	590.1	527.8	487.5	483.1	513.0	546.9	547.3	540.5
50°	719.4	717.0	698.8	650.8	581.7	539.8	535.1	564.8	600.3	606.0	596.1
52.5°	760.2	756.2	747.1	699.7	630.6	584.5	583.9	616.4	660.7	663.4	653.9
55°	773.3	775.7	774.4	740.9	678.7	628.8	634.4	678.2	717.9	727.2	709.2
57.5°	771.3	771.3	783.9	768.6	710.8	668.9	680.9	733.8	785.4	788.3	766.8
60°	741.1	741.8	772.1	776.4	733.8	703.3	731.4	790.3	843.2	845.0	824.9
62.5°	697.7	696.2	740.7	762.0	736.7	723.6	767.5	839.7	897.7	903.7	873.4
65°	629.9	632.8	680.9	723.2	721.6	731.4	795.6	884.2	942.0	950.7	906.8
67.5°	542.5	550.9	601.4	662.1	685.5	717.9	806.0	911.5	970.8	978.4	918.1
70°	449.4	447.4	502.1	578.3	624.2	683.3	794.5	912.6	971.5	969.1	894.0
72.5°	340.9	349.3	398.5	476.0	544.0	617.8	757.1	884.2	934.3	933.8	830.2
75°	242.3	247.4	290.8	368.4	449.4	541.1	682.4	822.4	859.2	845.9	737.8
77.5°	159.9	164.6	202.0	272.7	347.8	444.8	582.1	714.6	743.8	730.1	620.0
80°	99.5	101.7	130.0	186.1	252.7	344.7	471.4	584.3	595.8	581.9	477.3
82.5°	59.1	60.9	81.3	119.4	180.1	251.0	355.3	447.9	451.6	442.1	344.2
85°	36.3	38.8	51.8	79.7	120.1	177.0	247.6	311.2	313.9	302.8	227.5
87.5°	23.7	25.0	35.2	51.8	80.8	118.5	165.9	207.1	201.1	194.3	143.8
90°	16.2	17.1	24.1	35.7	54.7	78.4	105.0	129.6	120.1	114.7	87.3
92.5°	11.3	12.2	17.7	25.7	37.9	52.5	68.2	77.5	73.5	71.1	54.9
95°	8.9	9.3	13.5	19.9	28.1	37.2	45.2	48.1	45.6	43.9	37.0
97.5°	7.1	7.5	11.3	16.2	21.9	27.7	31.5	32.3	29.9	29.0	25.7
100°	6.0	6.4	9.5	13.5	17.9	21.9	23.5	23.3	21.3	20.8	18.6
102.5°	5.3	5.5	8.4	11.7	15.3	17.7	18.6	17.5	15.5	15.3	14.0
105°	4.7	5.1	7.3	10.2	13.1	15.1	15.1	13.7	11.5	11.3	10.6
107.5°	4.4	4.4	6.4	8.9	11.3	12.6	12.6	11.1	9.1	8.6	8.2
110°	4.0	4.2	5.8	7.8	9.7	10.9	10.6	8.9	6.9	6.6	6.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.8	3.8	5.1	6.9	8.4	9.3	8.9	7.3	5.5	5.3	5.1
115°	3.5	3.5	4.7	6.2	7.5	8.2	7.5	6.0	4.4	4.2	4.4
117.5°	3.3	3.5	4.2	5.5	6.6	7.1	6.4	5.1	3.8	3.5	3.8
120°	3.3	3.3	4.0	4.9	5.8	6.2	5.5	4.2	3.1	3.1	3.3
122.5°	3.3	3.3	3.8	4.4	5.1	5.3	4.7	3.5	2.9	2.9	3.1
125°	3.1	3.1	3.5	4.0	4.7	4.7	4.2	3.1	2.4	2.4	2.9
127.5°	3.1	3.1	3.3	3.8	4.2	4.2	3.5	2.7	2.2	2.4	2.7
130°	2.9	2.9	3.1	3.3	3.8	3.5	3.1	2.4	2.0	2.2	2.4
132.5°	2.9	2.9	2.9	3.1	3.3	3.1	2.7	2.0	2.0	2.0	2.2
135°	2.7	2.7	2.9	2.9	2.9	2.7	2.2	1.8	1.8	1.8	2.0
137.5°	2.7	2.7	2.7	2.7	2.7	2.4	2.0	1.6	1.6	1.6	1.8
140°	2.4	2.4	2.4	2.2	2.2	2.0	1.6	1.3	1.3	1.3	1.6
142.5°	2.2	2.2	2.2	2.0	2.0	1.6	1.3	1.1	1.1	1.3	1.3
145°	2.0	2.0	2.0	1.8	1.6	1.3	0.9	0.9	1.1	1.1	1.3
147.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.7	0.9	0.9	1.1	1.1
150°	1.3	1.3	1.3	1.3	0.9	0.7	0.4	0.7	0.9	0.9	0.9
152.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.7	0.9
155°	0.7	0.7	0.9	0.7	0.4	0.2	0.4	0.4	0.7	0.7	0.7
157.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.7
160°	0.2	0.2	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4
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°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	38.5	38.8	38.5	38.3	38.3	38.1	38.1	38.1	38.1	37.9	37.9
5°	42.1	41.9	41.6	41.2	40.8	40.3	40.3	40.1	39.9	39.6	39.6
7.5°	47.0	47.0	46.5	45.9	45.2	44.7	44.3	44.1	43.4	43.4	43.2
10°	54.5	54.5	53.2	52.5	51.4	50.3	49.8	49.2	48.7	48.5	48.3
12.5°	65.3	64.7	63.3	61.1	58.9	57.1	56.0	55.6	55.8	55.8	56.0
15°	79.3	78.0	76.0	71.8	67.8	65.1	64.5	64.5	64.7	64.7	64.9
17.5°	95.9	93.9	89.5	84.2	78.4	74.9	73.3	73.3	73.8	74.4	75.1
20°	116.1	114.3	107.4	98.1	89.5	84.8	82.2	82.0	82.8	84.8	84.4
22.5°	138.9	136.9	126.7	113.2	101.2	93.7	90.8	91.7	93.9	95.2	95.2
25°	166.3	163.0	147.7	128.0	112.7	102.1	98.3	99.7	103.0	104.5	105.2
27.5°	195.8	191.4	171.0	144.2	121.8	109.0	105.0	106.8	110.7	113.2	113.9
30°	230.8	223.1	195.4	159.3	130.0	113.9	109.6	113.0	117.4	120.3	120.9
32.5°	267.6	255.6	216.4	172.1	136.0	117.2	113.0	117.0	121.8	125.1	125.4
35°	304.3	290.6	239.7	182.5	139.1	118.7	114.3	118.9	124.3	126.9	127.6
37.5°	344.2	325.2	259.8	189.2	140.4	118.5	114.3	118.9	124.0	126.3	126.7
40°	382.5	359.1	277.8	193.1	140.0	116.7	112.7	117.6	122.0	123.6	123.4
42.5°	425.5	391.8	292.2	193.4	136.9	114.1	110.7	115.0	118.1	117.8	118.1
45°	466.5	426.6	302.8	191.8	132.7	110.7	108.1	111.9	113.0	111.9	111.6
47.5°	511.4	461.2	311.2	187.8	127.6	107.6	105.2	108.1	108.3	105.9	105.4
50°	559.1	495.7	319.0	180.5	121.6	104.1	102.6	105.0	104.5	100.6	99.9
52.5°	605.6	530.7	323.8	171.7	115.6	101.0	100.3	102.8	101.4	96.8	95.9
55°	655.2	563.1	324.7	162.8	109.9	98.3	98.3	101.0	99.5	94.6	93.9
57.5°	703.7	596.9	321.4	151.3	104.3	95.5	96.8	99.9	98.8	93.9	93.5
60°	749.1	622.4	312.3	140.4	99.2	93.5	95.7	99.2	98.3	94.4	93.9
62.5°	784.3	639.2	297.9	129.8	94.8	91.5	94.6	98.1	98.3	95.0	95.2
65°	800.7	639.2	277.1	119.2	90.8	89.5	93.5	97.5	97.9	95.9	95.9
67.5°	797.2	622.9	253.6	108.1	87.0	87.0	91.9	96.1	97.0	96.1	96.1
70°	759.7	578.6	221.5	99.2	83.3	84.2	89.5	93.9	95.2	95.5	95.2
72.5°	698.8	511.9	188.3	89.9	79.3	81.3	86.4	90.8	92.6	93.0	92.8
75°	604.7	434.6	155.7	82.2	75.1	77.5	82.8	86.6	88.6	89.5	89.0
77.5°	486.0	344.9	127.6	74.4	70.2	72.9	78.0	81.1	83.5	84.6	83.7
80°	370.3	256.7	101.4	66.7	64.2	67.1	71.5	74.9	77.1	77.5	76.9
82.5°	262.9	182.1	81.3	59.4	57.8	60.2	64.2	66.4	69.1	68.9	67.6
85°	172.3	123.6	63.8	51.6	50.9	52.5	55.6	56.9	59.6	59.6	58.0
87.5°	112.1	82.0	50.3	43.4	44.1	45.4	47.0	48.1	49.2	49.4	48.1
90°	71.5	56.0	40.1	37.0	37.7	38.8	38.8	38.5	40.3	40.8	39.6
92.5°	47.0	39.9	33.2	31.5	31.9	32.1	32.1	31.2	32.8	33.0	32.1
95°	33.0	29.9	27.5	27.0	27.0	27.0	26.6	25.5	26.8	26.8	26.4
97.5°	24.8	23.3	23.0	23.0	23.0	22.8	22.1	21.7	22.1	22.1	21.9
100°	18.6	18.4	19.0	19.5	19.7	19.5	19.0	18.4	18.4	17.5	17.7
102.5°	14.2	14.6	15.9	16.6	16.6	16.6	16.4	15.5	15.1	14.2	14.0
105°	11.1	11.5	13.1	14.0	14.2	14.4	14.0	13.1	12.2	11.3	11.1
107.5°	8.6	9.3	10.6	11.7	12.2	12.2	12.0	11.1	10.0	8.9	8.9
110°	7.1	7.5	8.9	10.0	10.4	10.4	10.2	9.1	8.0	7.1	7.1



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	6.2	7.5	8.4	8.9	9.1	8.6	7.8	6.6	5.8	5.8
115°	4.9	5.3	6.4	7.1	7.5	7.5	7.3	6.4	5.5	4.9	4.9
117.5°	4.2	4.7	5.5	6.2	6.4	6.6	6.2	5.5	4.7	4.2	4.2
120°	3.8	4.0	4.9	5.3	5.5	5.5	5.3	4.7	4.0	3.8	3.8
122.5°	3.3	3.8	4.2	4.7	4.9	4.9	4.7	4.0	3.5	3.3	3.5
125°	3.1	3.3	3.8	4.2	4.2	4.2	4.0	3.5	3.1	3.1	3.1
127.5°	2.9	3.1	3.3	3.5	3.8	3.8	3.5	3.1	2.9	2.9	2.9
130°	2.7	2.9	3.1	3.1	3.3	3.3	3.1	2.7	2.7	2.7	2.7
132.5°	2.4	2.7	2.7	2.9	2.9	2.9	2.7	2.4	2.4	2.4	2.4
135°	2.2	2.2	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2
137.5°	2.0	2.0	2.2	2.0	2.2	2.0	2.0	1.8	2.0	2.0	2.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.6	1.8	1.8	1.8
142.5°	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6
145°	1.3	1.3	1.3	1.1	1.1	0.9	1.1	1.1	1.3	1.3	1.3
147.5°	1.1	1.1	1.1	1.1	0.9	0.7	0.7	0.9	1.1	1.1	1.1
150°	0.9	1.1	1.1	0.9	0.7	0.4	0.4	0.7	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.2	0.4	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	0.4	0.4	0.4	0.4
157.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.2	0.4	0.2	0.2
160°	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.2	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)