

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: P414441

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1867 lumens
Efficiency: N/A
Efficacy: 88.9 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

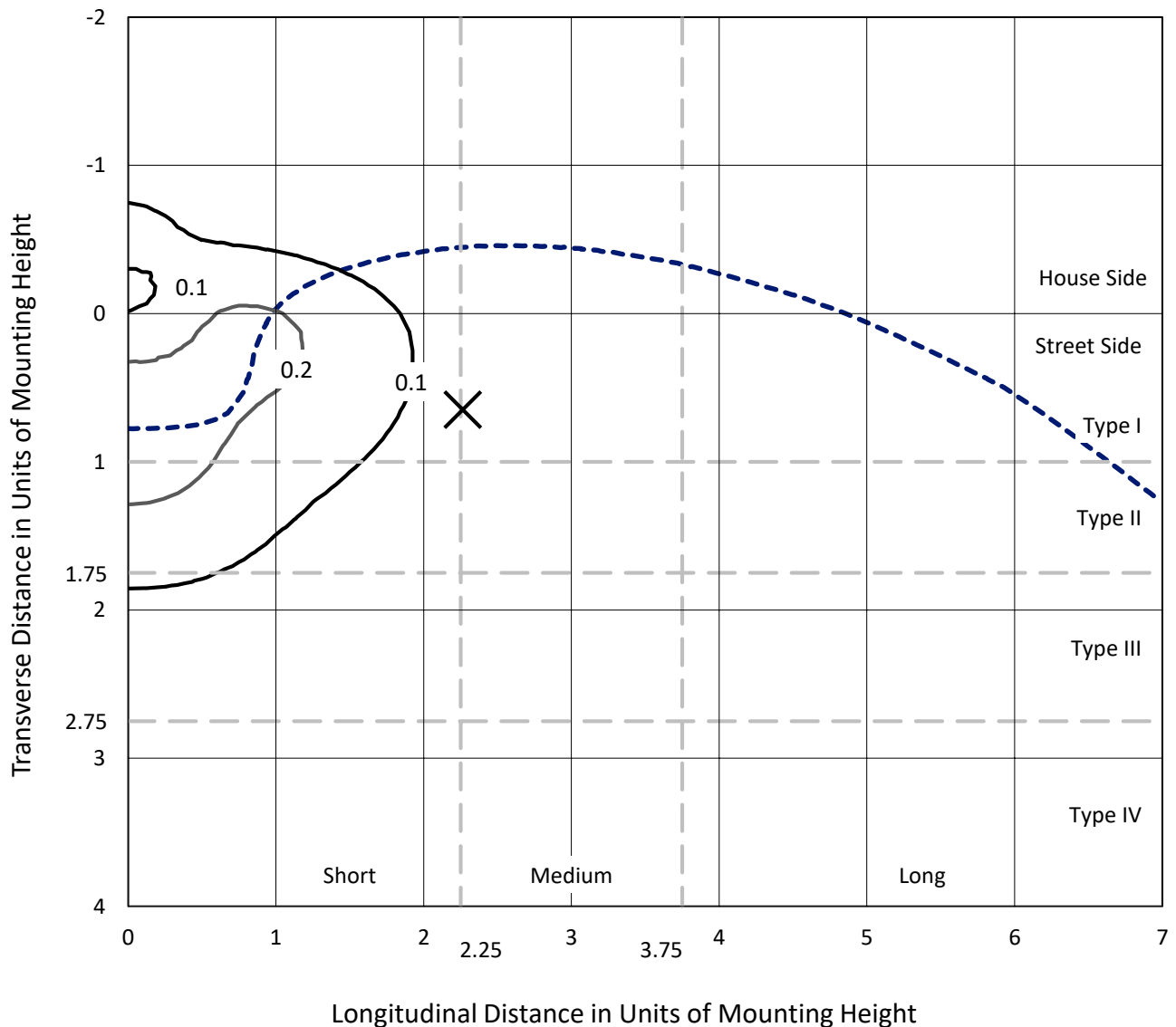


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

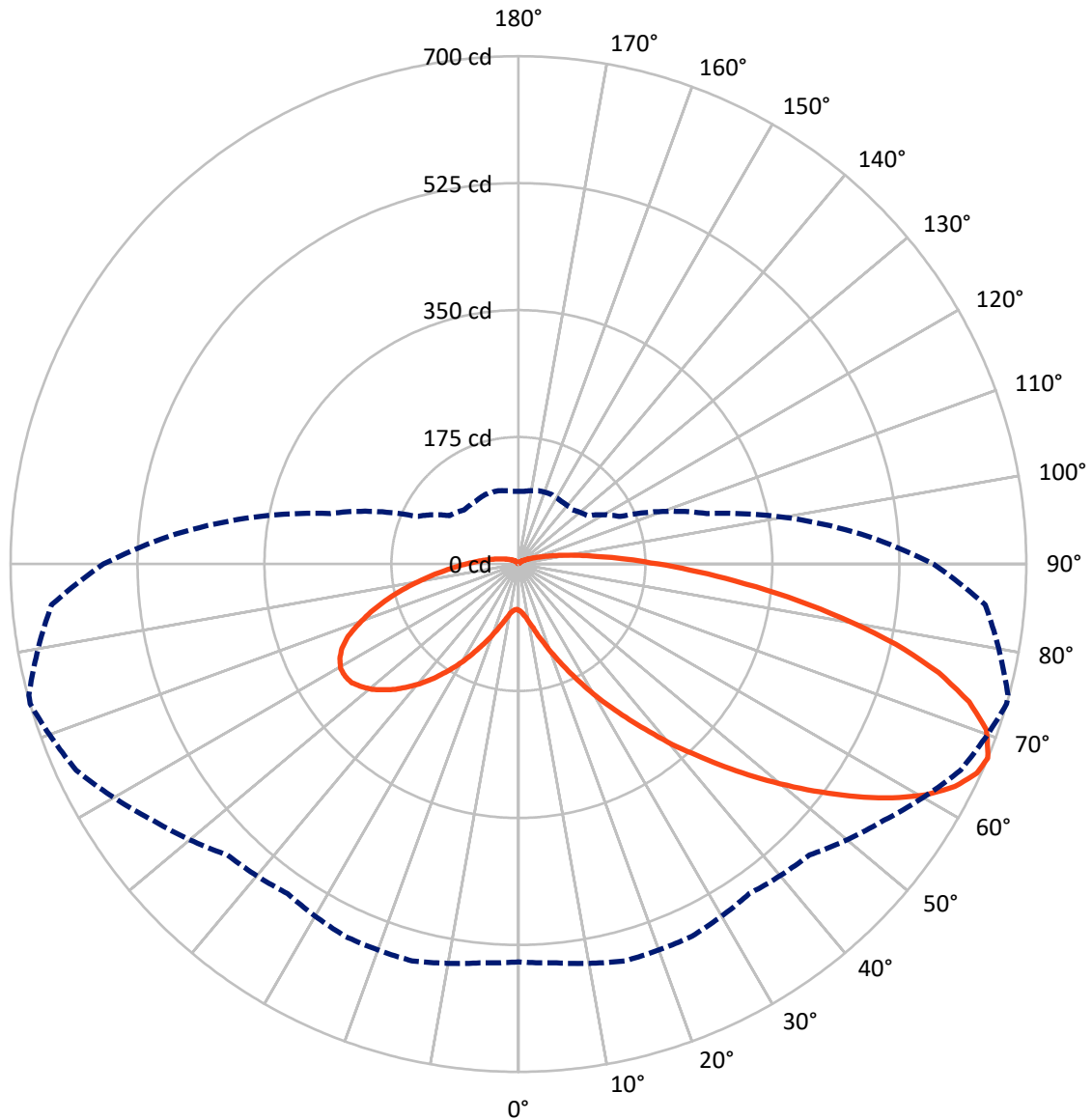


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	52.3	487.7
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1259.9	119.4	1379.3
	% Fixture	67.5	6.4	73.9
Total	Lumens	1695.3	171.7	1867.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.4
10°-20°	27.2	1.5
20°-30°	67.6	3.6
30°-40°	131.9	7.1
40°-50°	218.2	11.7
50°-60°	316.3	16.9
60°-70°	382.8	20.5
70°-80°	340.3	18.2
80°-90°	204.4	10.9
90°-100°	93.9	5.0
100°-110°	41.8	2.2
110°-120°	19.9	1.1
120°-130°	9.9	0.5
130°-140°	4.5	0.2
140°-150°	1.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1695.3	90.8
0°-180°	1867.0	100.0



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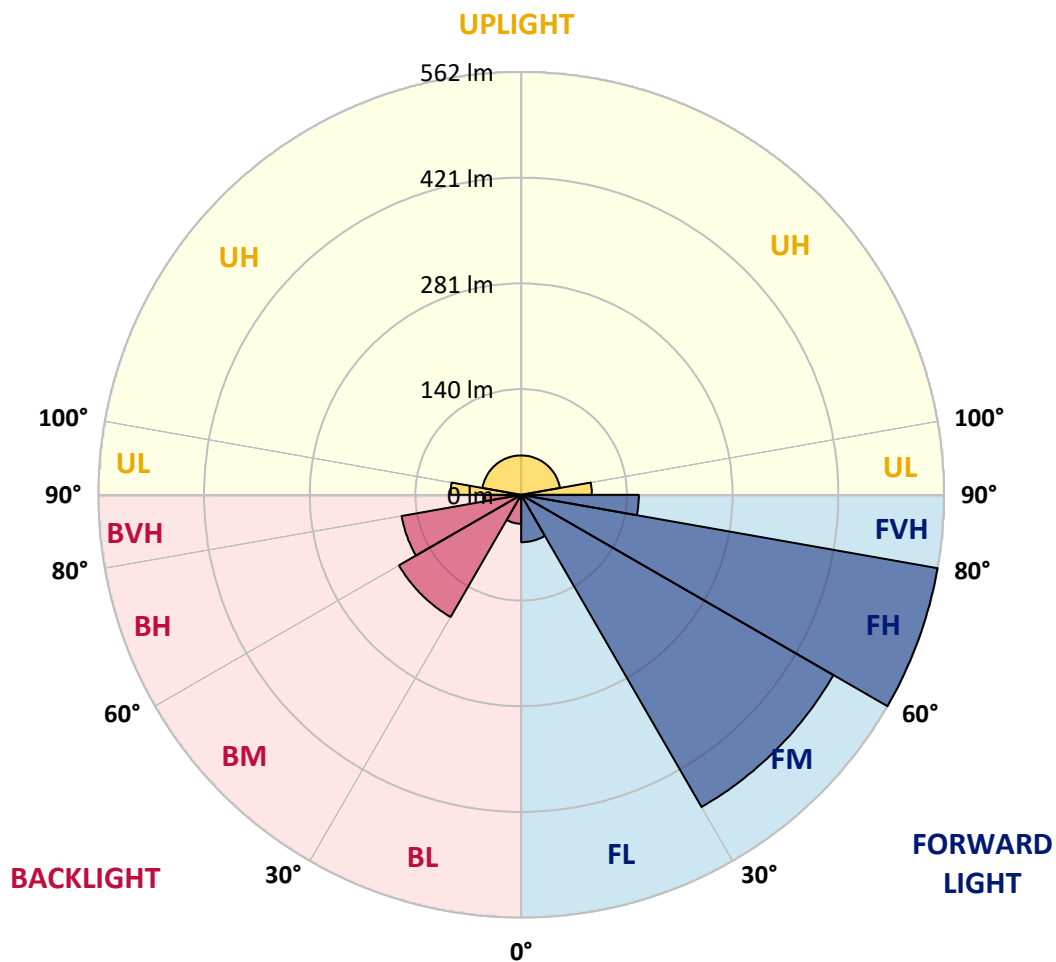
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.9	3.4			
FM	(30°-60°)	479.0	25.7			
FH	(60°-80°)	561.7	30.1			G0/660
FVH	(80°-90°)	156.2	8.4			G2/225
BL	(0°-30°)	38.5	2.1	B0/110		
BM	(30°-60°)	187.4	10.0	B0/220		
BH	(60°-80°)	161.3	8.6	B1/500		G1/500
BVH	(80°-90°)	48.2	2.6			G1/100
UL	(90°-100°)	93.9	5.0		U3/500	
UH	(100°-180°)	52.3	2.8		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°	74°	75°	85°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	70.2	69.6	69.6	69.1	68.9	68.2	67.8	66.2	65.6	65.6	64.5
5°	77.8	77.3	76.4	76.4	75.6	74.7	72.9	70.9	69.3	69.1	67.1
7.5°	87.1	86.0	86.0	84.9	83.5	82.0	79.5	76.9	74.4	74.2	71.1
10°	97.7	97.3	96.8	95.3	93.5	90.4	88.2	84.4	81.5	81.3	77.1
12.5°	110.8	110.1	108.8	107.2	104.1	101.9	97.9	93.7	90.0	90.2	85.3
15°	125.0	124.5	123.6	121.2	117.6	114.5	110.6	106.1	102.4	100.8	95.7
17.5°	141.1	140.2	139.1	136.5	132.5	129.4	124.1	119.9	115.0	115.2	107.9
20°	160.2	159.3	157.8	153.5	150.0	145.8	140.2	135.6	130.1	129.6	122.3
22.5°	179.0	179.5	175.7	171.3	167.9	163.1	157.8	151.8	146.9	146.5	138.0
25°	202.3	200.7	197.0	191.9	186.8	180.8	176.1	170.8	166.2	165.7	155.8
27.5°	226.7	225.3	220.2	213.8	206.9	200.3	196.3	190.8	187.2	186.6	176.4
30°	253.2	251.0	246.4	237.7	228.2	220.7	216.7	214.7	211.4	210.5	200.1
32.5°	283.2	280.3	273.4	263.0	249.3	240.8	239.1	237.3	236.0	234.6	224.9
35°	312.8	312.0	301.8	288.9	275.4	264.3	261.2	264.1	263.2	262.3	251.9
37.5°	344.1	345.6	334.6	317.7	299.1	287.4	285.1	290.5	292.9	292.9	280.5
40°	380.9	379.5	368.5	347.9	326.1	312.4	313.1	321.0	327.0	325.7	313.5
42.5°	417.4	414.5	399.9	379.8	352.3	338.5	338.5	350.7	359.8	360.0	347.2
45°	453.3	450.2	436.5	410.1	380.2	365.4	368.5	383.3	398.1	396.2	383.5
47.5°	486.1	484.8	470.6	442.5	408.8	393.3	399.5	421.6	437.8	437.8	423.8
50°	518.2	516.5	503.2	471.5	437.6	422.3	431.6	458.6	479.2	480.3	464.2
52.5°	545.9	544.8	532.4	500.9	465.9	450.4	464.4	498.3	522.0	524.4	507.4
55°	565.9	566.5	557.0	527.1	491.6	478.8	497.8	537.7	565.9	566.3	547.9
57.5°	580.5	581.4	574.9	549.0	514.2	504.5	530.2	575.8	607.7	609.7	585.6
60°	586.7	588.2	586.2	564.5	534.4	528.2	559.2	610.0	645.4	646.1	617.0
62.5°	583.4	584.9	588.9	573.4	549.0	548.8	587.4	639.6	674.9	675.8	641.0
65°	568.3	570.7	580.7	573.4	554.3	561.7	606.0	662.5	694.1	695.3	650.3
67°	548.1	551.2	565.9	565.6	554.3	566.8	615.1	672.0	699.5	698.1	645.4
67.5°	543.5	546.6	561.2	563.4	552.8	567.4	616.2	673.1	697.5	697.3	642.3
70°	504.1	509.6	530.9	541.5	541.3	562.1	615.7	667.1	684.0	681.7	616.4
72.5°	458.6	465.5	491.4	511.8	518.5	545.5	599.5	643.4	649.0	646.3	567.9
75°	411.9	415.6	442.7	471.7	488.5	517.3	569.2	605.7	598.0	591.6	507.2
77.5°	362.5	364.0	394.2	426.7	447.1	480.3	524.0	550.6	531.5	526.2	438.0
80°	305.1	311.5	341.6	375.5	400.8	430.9	467.7	483.7	451.8	446.9	364.5
82.5°	258.1	262.1	289.6	322.8	351.2	379.5	403.5	407.7	374.2	370.7	292.9
85°	210.7	214.2	243.1	273.8	300.4	324.1	340.1	333.9	299.1	295.3	231.5
87.5°	174.4	177.0	197.0	228.2	251.7	268.8	277.2	269.4	236.2	230.9	178.8
90°	138.3	142.2	160.2	186.6	210.5	221.6	222.4	209.6	182.3	178.4	136.9
92.5°	111.7	114.3	131.4	153.3	172.2	180.6	178.4	167.5	142.5	137.8	105.9
95°	90.4	92.6	106.8	126.1	141.4	149.1	142.9	128.5	108.8	107.0	81.8
97.5°	75.1	75.6	86.6	103.9	116.1	120.1	115.2	102.1	85.1	81.5	62.7
100°	61.4	61.8	71.1	84.2	95.3	97.9	93.1	80.4	66.0	63.8	49.2
102.5°	49.9	51.0	58.0	69.8	78.0	80.0	74.9	63.8	51.0	49.4	38.3
105°	42.3	42.5	48.7	57.6	64.9	66.5	61.4	51.8	40.1	39.2	30.6
107.5°	35.9	35.9	40.8	48.5	54.3	55.2	51.2	42.3	31.7	30.8	24.8



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	30.8	31.0	34.6	40.8	46.1	46.7	42.8	33.9	25.3	24.6	20.2
112.5°	26.8	27.3	29.7	34.6	39.2	39.9	35.9	27.7	20.6	19.7	16.8
115°	23.7	23.9	25.7	29.7	33.5	33.9	29.9	22.8	16.6	16.0	14.2
117.5°	21.0	21.3	22.6	25.9	28.8	29.0	25.0	18.8	14.0	13.3	12.4
120°	19.1	19.1	20.2	22.4	24.8	24.8	21.0	15.5	11.5	11.3	10.6
122.5°	17.3	17.3	17.9	19.5	21.3	20.8	17.5	12.9	9.7	9.5	9.3
125°	15.7	15.7	16.2	17.1	18.2	17.5	14.4	10.6	8.4	8.2	8.2
127.5°	14.2	14.2	14.4	15.1	15.3	14.6	12.0	8.9	7.3	7.1	7.3
130°	12.9	12.9	12.9	12.9	12.9	12.4	9.7	7.3	6.2	6.2	6.4
132.5°	11.5	11.5	11.3	11.1	10.9	10.0	8.0	6.0	5.5	5.5	5.8
135°	10.2	10.2	10.0	9.5	8.9	7.8	6.0	4.9	4.7	4.7	4.9
137.5°	8.9	8.9	8.6	8.0	7.1	6.0	4.7	4.0	4.0	4.0	4.2
140°	7.5	7.5	7.3	6.6	5.5	4.4	3.5	3.1	3.3	3.3	3.5
142.5°	6.4	6.2	6.0	5.3	4.2	3.1	2.4	2.4	2.7	2.7	2.9
145°	5.1	4.9	4.7	4.0	3.1	2.2	1.8	1.8	2.0	2.0	2.2
147.5°	4.0	3.8	3.5	2.9	2.2	1.6	1.1	1.3	1.6	1.6	1.6
150°	2.7	2.7	2.7	2.2	1.3	0.9	0.7	0.9	0.9	0.9	1.1
152.5°	1.8	1.8	1.8	1.3	0.9	0.4	0.4	0.4	0.7	0.7	0.7
155°	1.1	1.1	1.1	0.9	0.4	0.2	0.2	0.2	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.0	0.2	0.2	0.2	0.2
160°	0.2	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.2	0.2	0.2
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°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	64.0	63.6	62.7	62.0	61.4	60.7	60.0	59.6	58.9	58.9	58.9
5°	66.2	65.1	63.4	62.0	60.5	59.4	58.0	57.2	56.5	56.3	56.3
7.5°	70.0	68.5	65.8	63.1	60.9	59.2	57.6	56.5	55.6	55.4	55.4
10°	75.3	73.3	69.1	66.0	63.1	60.7	58.7	57.2	56.5	56.1	56.1
12.5°	83.1	80.4	75.6	70.2	66.5	63.4	60.9	60.3	60.3	60.5	60.3
15°	92.4	89.7	83.1	76.9	71.3	67.8	66.5	66.5	66.2	66.7	66.7
17.5°	104.1	100.4	92.4	84.2	77.8	74.4	73.1	72.7	73.1	73.8	73.3
20°	118.1	112.6	102.6	92.4	85.5	82.2	80.0	79.5	80.2	80.6	80.9
22.5°	132.7	126.7	114.1	101.0	93.9	89.5	87.1	86.4	87.5	88.6	88.8
25°	149.3	142.7	126.5	111.4	101.5	95.5	93.3	93.1	94.8	96.4	96.4
27.5°	169.5	160.6	140.0	122.7	109.9	101.9	99.5	99.7	102.1	103.5	103.9
30°	190.5	180.6	155.5	133.2	116.5	107.0	104.4	105.5	107.9	110.6	111.0
32.5°	214.2	202.5	170.6	143.6	122.5	111.0	108.1	110.3	113.0	116.1	116.5
35°	239.1	223.3	186.1	153.1	127.4	114.1	110.8	113.4	116.8	119.6	120.5
37.5°	267.2	248.6	202.9	160.9	131.2	115.9	112.3	115.4	119.2	122.1	122.3
40°	296.0	274.5	218.9	168.2	133.8	117.0	113.2	116.3	119.9	122.3	122.5
42.5°	326.1	300.9	233.7	174.1	135.2	117.0	112.8	115.9	119.2	120.5	120.8
45°	361.4	328.8	249.0	178.4	135.6	116.5	112.1	114.5	117.0	117.4	118.1
47.5°	396.8	356.5	262.1	181.5	135.4	115.4	111.0	113.0	114.5	114.1	114.8
50°	434.3	386.6	274.7	183.5	134.3	114.3	109.5	111.2	111.7	110.3	110.3
52.5°	470.2	412.8	284.5	183.7	132.7	113.0	108.3	109.7	109.5	107.0	107.2
55°	506.0	440.7	292.7	181.7	130.5	111.7	107.2	108.1	107.5	104.6	104.1
57.5°	536.8	463.3	296.2	178.8	128.1	110.3	106.6	107.5	106.1	102.8	102.6
60°	563.0	480.8	296.4	174.8	125.2	109.2	105.9	107.0	105.9	101.9	101.5
62.5°	579.2	488.8	290.7	168.6	122.3	107.9	105.9	106.8	105.5	101.5	101.3
65°	581.8	484.8	281.4	161.5	119.0	106.6	105.5	106.6	105.2	101.0	100.6
67°	571.4	473.3	268.8	154.9	116.1	105.5	104.6	106.1	104.6	100.6	99.9
67.5°	567.9	467.9	265.9	154.0	115.4	105.0	104.4	105.7	104.4	100.4	99.7
70°	536.8	438.9	244.2	144.2	111.2	102.8	102.8	103.9	102.6	98.8	97.7
72.5°	489.0	398.1	222.4	134.9	106.6	99.5	100.1	101.3	99.9	96.4	95.0
75°	433.6	352.3	198.3	124.1	101.3	96.2	96.6	97.7	96.4	92.6	91.5
77.5°	372.0	299.3	173.9	114.1	95.7	91.7	91.9	92.6	91.5	87.7	86.6
80°	306.0	246.8	149.1	102.8	89.3	86.2	86.4	86.4	84.9	81.8	80.9
82.5°	246.6	200.5	127.2	92.8	82.2	80.0	80.0	79.8	77.8	75.1	73.8
85°	191.9	161.7	106.6	82.6	75.1	73.1	72.9	72.0	70.0	67.1	65.6
87.5°	150.4	128.1	89.7	72.9	68.0	66.7	65.4	63.4	61.8	59.4	58.0
90°	117.4	101.7	75.8	64.0	61.2	59.4	58.0	55.6	53.2	50.7	50.1
92.5°	91.9	80.4	63.1	55.8	54.1	52.7	51.0	48.3	46.1	43.2	43.4
95°	72.9	65.4	53.8	49.2	47.9	46.7	44.5	41.7	39.2	36.6	36.1
97.5°	57.2	52.1	45.2	42.8	42.3	41.0	38.8	35.9	33.2	30.4	30.4
100°	45.4	42.5	38.1	37.7	36.8	35.9	33.7	31.0	27.7	25.3	25.3
102.5°	36.6	34.1	32.6	32.6	32.3	31.5	29.2	26.6	23.3	20.8	20.8
105°	29.2	28.4	27.7	28.4	28.6	27.7	25.5	22.6	19.3	17.1	17.5
107.5°	24.4	23.7	23.7	24.6	25.0	24.2	22.2	19.1	16.0	14.4	14.4



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	19.9	20.4	21.5	21.7	21.0	19.1	16.2	13.3	12.0	12.2
112.5°	17.1	16.8	17.7	18.8	19.1	18.4	16.4	13.7	11.1	10.2	10.2
115°	14.4	14.6	15.3	16.2	16.6	16.0	14.2	11.7	9.1	8.6	8.6
117.5°	12.4	12.6	13.3	14.4	14.6	13.7	12.0	9.7	7.8	7.5	7.5
120°	10.9	11.1	11.7	12.4	12.6	11.7	10.2	8.2	6.6	6.4	6.4
122.5°	9.5	10.0	10.4	10.9	11.1	10.2	8.9	6.9	5.5	5.5	5.8
125°	8.4	8.6	9.1	9.5	9.5	8.6	7.3	5.8	4.9	4.9	4.9
127.5°	7.5	7.5	7.8	8.2	8.2	7.5	6.2	4.7	4.2	4.2	4.4
130°	6.6	6.9	6.9	6.9	6.9	6.2	5.1	4.0	3.5	3.8	3.8
132.5°	5.8	6.0	6.0	6.0	5.8	5.1	4.2	3.3	3.1	3.3	3.3
135°	5.1	5.1	5.1	5.1	4.7	4.2	3.3	2.7	2.7	2.9	2.9
137.5°	4.4	4.4	4.4	4.2	3.8	3.3	2.7	2.2	2.2	2.4	2.4
140°	3.5	3.8	3.5	3.3	2.9	2.4	2.0	1.8	2.0	2.0	2.0
142.5°	2.9	2.9	2.9	2.7	2.2	1.8	1.6	1.3	1.6	1.6	1.8
145°	2.2	2.2	2.2	2.0	1.6	1.1	1.1	1.1	1.3	1.3	1.3
147.5°	1.6	1.6	1.6	1.3	0.9	0.7	0.7	0.7	0.9	0.9	0.9
150°	1.1	1.1	1.1	0.9	0.4	0.2	0.2	0.4	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.2	0.4	0.4	0.2	0.2
155°	0.4	0.4	0.4	0.4	0.2	0.0	0.2	0.2	0.2	0.0	0.0
157.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0
160°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	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)