

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: P414900

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2857 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

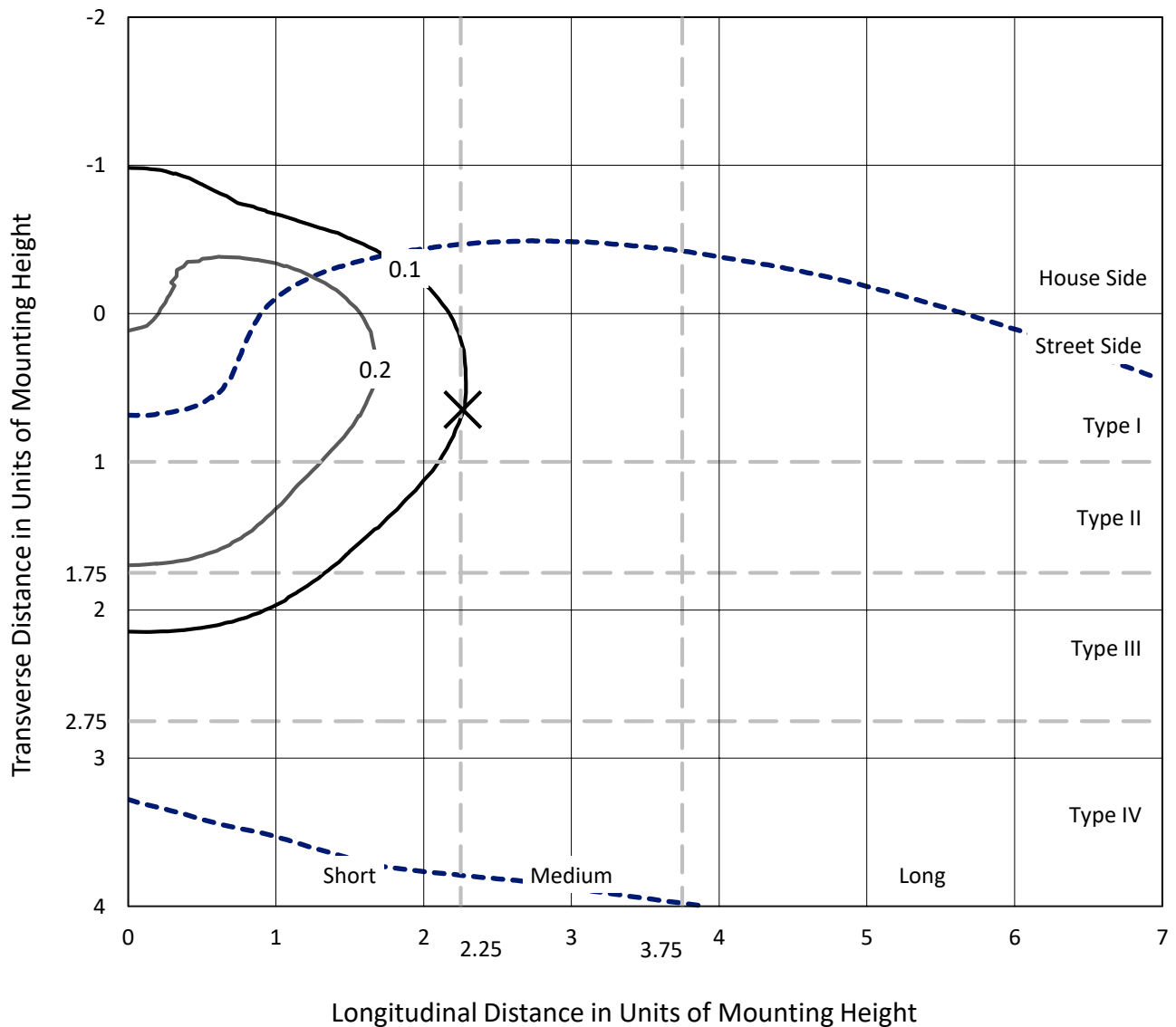
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

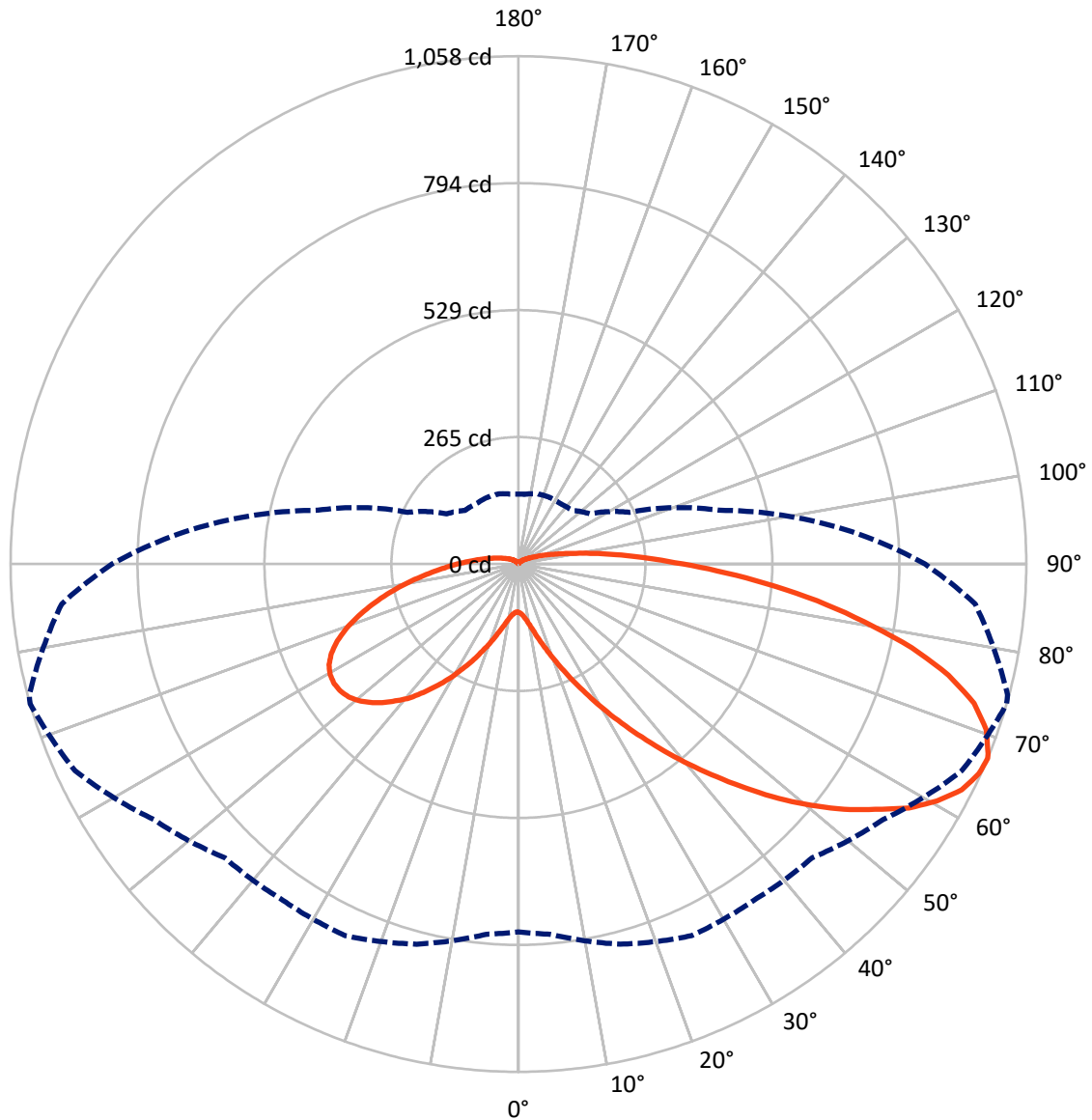
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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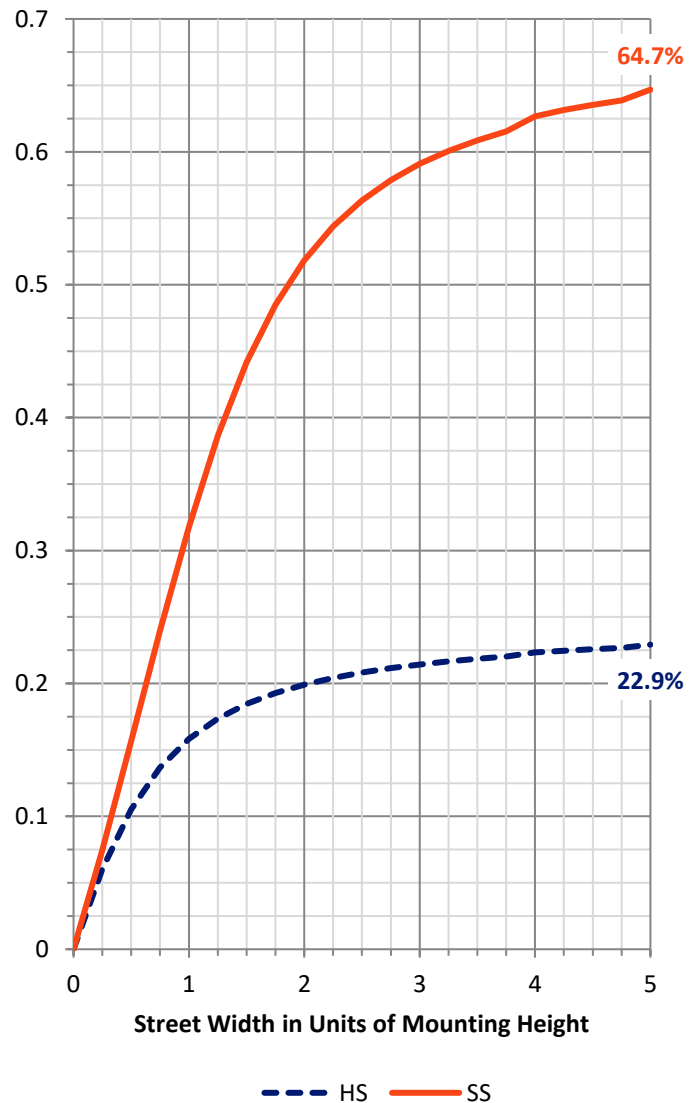
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	688.7	85.2	773.9
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	1934.8	148.3	2083.1
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	2623.5	233.5	2857.0
	% Fixture	91.8	8.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.4
10°-20°	43.8	1.5
20°-30°	111.0	3.9
30°-40°	222.7	7.8
40°-50°	373.8	13.1
50°-60°	524.4	18.4
60°-70°	586.1	20.5
70°-80°	478.2	16.7
80°-90°	273.0	9.6
90°-100°	124.7	4.4
100°-110°	57.1	2.0
110°-120°	28.2	1.0
120°-130°	14.3	0.5
130°-140°	6.6	0.2
140°-150°	2.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2623.5	91.8
0°-180°	2857.0	100.0



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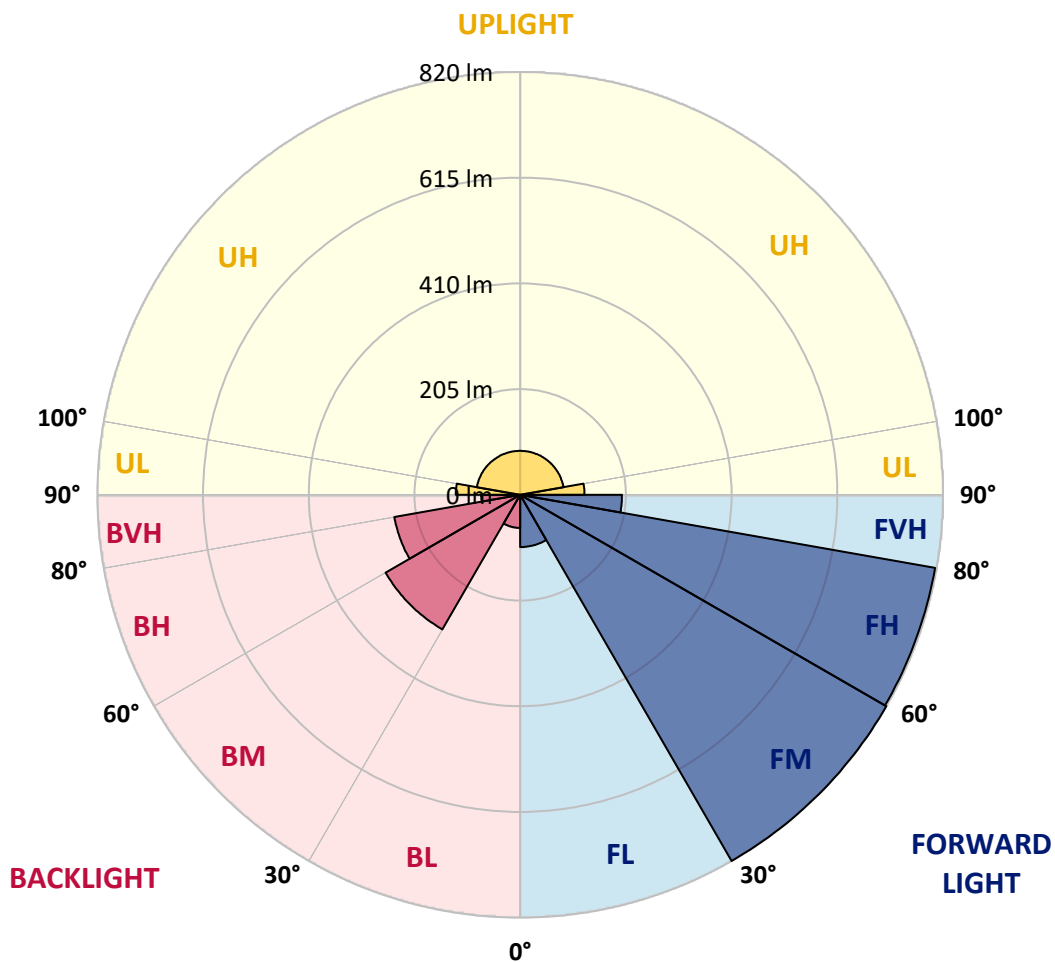
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T3-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.2	3.5			
FM	(30°-60°)	819.6	28.7			
FH	(60°-80°)	816.7	28.6			G1/1800
FVH	(80°-90°)	197.4	6.9			G2/225
BL	(0°-30°)	64.2	2.2	B0/110		
BM	(30°-60°)	301.3	10.5	B1/1000		
BH	(60°-80°)	247.6	8.7	B1/500		G1/500
BVH	(80°-90°)	75.6	2.6			G1/100
UL	(90°-100°)	124.7	4.4		U3/500	
UH	(100°-180°)	85.2	3.0		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°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	109.5	108.8	108.8	108.2	107.8	106.5	105.5	104.1	103.5	103.1	102.1
5°	119.6	118.6	118.6	117.9	116.6	114.9	112.5	111.2	108.8	109.2	106.2
7.5°	131.7	131.4	130.7	129.3	127.7	125.6	123.3	120.3	117.6	117.6	113.9
10°	147.8	145.8	145.8	144.1	142.4	139.4	136.1	132.7	129.0	128.7	123.6
12.5°	167.3	167.0	164.9	162.6	159.9	156.9	151.5	148.2	144.5	144.1	138.7
15°	190.1	189.1	186.4	185.4	181.4	176.0	171.7	168.3	164.6	163.3	156.2
17.5°	217.0	215.7	214.7	209.6	206.3	201.9	196.9	192.5	186.1	185.4	177.7
20°	248.6	245.6	242.6	238.5	233.1	229.1	223.7	219.7	212.3	212.3	201.9
22.5°	281.9	281.2	278.5	271.8	264.4	260.4	255.3	247.3	241.2	239.5	228.1
25°	322.2	321.5	316.1	309.1	301.3	295.3	287.2	278.5	273.5	273.1	260.4
27.5°	367.9	368.9	359.5	350.4	340.0	330.2	321.5	317.1	310.4	309.4	294.6
30°	423.0	418.6	408.8	395.7	381.3	368.9	359.8	355.4	351.1	350.7	332.9
32.5°	479.1	474.0	465.6	447.5	427.3	408.2	403.8	400.1	395.1	392.4	374.6
35°	541.2	537.2	525.1	501.2	474.4	453.5	444.5	445.1	442.8	441.4	419.9
37.5°	609.7	602.7	586.2	563.0	523.4	500.9	490.5	496.2	494.8	492.2	469.6
40°	674.2	673.2	655.8	619.8	579.8	547.9	540.9	550.6	548.9	545.6	520.7
42.5°	748.8	741.4	721.9	681.6	633.3	598.0	590.3	604.7	606.7	607.4	574.1
45°	812.6	809.3	790.8	744.5	688.7	650.4	644.0	659.5	666.2	666.8	630.2
47.5°	874.8	873.5	854.6	806.6	742.8	702.1	693.7	715.9	730.0	727.0	683.6
50°	921.5	923.8	908.7	863.0	796.5	748.1	750.2	777.4	790.5	788.8	740.8
52.5°	961.5	958.1	951.7	908.4	839.2	794.8	797.2	829.8	849.3	848.3	794.8
55°	976.3	975.2	975.9	940.6	874.1	833.1	840.2	886.2	902.3	900.3	838.9
57.5°	973.2	972.6	983.0	959.8	902.3	863.4	879.5	932.6	959.1	956.4	885.2
60°	950.4	947.4	969.9	961.5	913.8	882.2	910.4	973.2	1001.8	1001.1	923.2
62.5°	899.0	903.7	934.9	942.7	910.4	891.9	928.9	1004.8	1036.7	1034.4	950.4
65°	827.4	839.2	876.8	903.7	887.6	883.2	935.6	1018.9	1054.2	1053.9	960.1
67°	766.3	774.4	820.0	854.3	855.3	865.4	927.9	1019.3	1058.2	1055.2	955.4
67.5°	744.8	755.5	801.9	843.6	847.9	860.4	924.9	1018.6	1055.5	1053.9	953.1
70°	647.4	659.8	710.5	762.9	789.8	816.7	897.3	999.8	1034.0	1030.3	925.9
72.5°	548.6	566.1	614.1	676.3	715.6	759.9	849.6	952.7	993.0	985.3	872.8
75°	453.9	465.6	512.3	579.5	630.6	690.7	784.4	889.2	925.5	919.1	805.3
77.5°	361.8	372.6	417.6	485.1	542.9	610.4	708.2	809.6	837.8	834.1	719.6
80°	285.6	293.3	336.6	396.7	456.2	528.4	621.2	711.9	730.3	733.0	625.2
82.5°	219.7	229.8	267.4	320.5	376.6	445.5	526.1	606.4	626.9	620.2	528.4
85°	168.0	176.4	210.0	255.0	311.1	369.2	441.1	506.9	516.0	508.3	428.3
87.5°	131.4	137.7	163.9	207.6	252.3	302.0	359.5	409.9	414.6	413.2	343.0
90°	101.8	107.5	129.3	163.9	204.9	247.6	292.6	327.9	325.5	327.5	270.4
92.5°	80.0	83.0	102.8	133.4	167.6	201.9	236.2	259.7	259.3	253.6	211.0
95°	64.8	66.5	83.7	109.2	136.7	163.9	189.5	204.6	203.9	197.9	164.6
97.5°	52.4	53.4	68.2	89.7	112.9	134.0	152.5	163.3	157.9	155.5	129.0
100°	43.0	43.7	56.4	74.9	94.1	112.2	125.3	129.7	122.3	120.9	101.5
102.5°	36.6	37.0	47.7	63.5	78.6	92.4	102.1	104.1	95.4	96.1	80.0
105°	31.2	31.6	40.0	54.1	66.9	77.3	84.3	83.3	76.3	75.3	63.8
107.5°	27.2	27.5	34.3	46.4	57.4	66.2	69.9	67.5	61.1	59.8	51.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	23.9	24.2	29.6	39.6	49.4	56.8	58.8	55.1	49.4	48.0	42.3
112.5°	21.5	21.5	25.9	34.3	43.0	49.0	49.7	46.0	39.6	39.0	35.3
115°	19.5	19.5	22.8	29.6	37.3	42.0	42.0	37.6	32.6	32.3	29.6
117.5°	17.8	17.8	20.2	25.9	32.3	36.3	35.6	31.6	27.2	26.9	25.5
120°	16.5	16.5	18.1	22.5	27.9	30.9	30.2	26.2	22.8	22.5	21.8
122.5°	15.1	15.5	16.5	19.8	24.2	26.5	25.9	22.5	19.5	19.1	19.1
125°	14.1	14.1	14.8	17.1	20.8	22.8	21.8	18.5	16.5	16.5	16.5
127.5°	13.1	13.1	13.4	15.1	17.8	19.1	18.1	15.5	14.4	14.1	14.4
130°	12.1	12.1	12.4	13.1	15.1	15.8	14.8	13.1	12.1	12.1	12.4
132.5°	11.1	11.1	11.1	11.4	12.4	13.1	12.1	10.8	10.4	10.4	10.8
135°	10.1	10.4	10.1	10.1	10.4	10.4	9.4	8.7	8.7	9.1	9.4
137.5°	9.1	9.1	8.7	8.4	8.4	8.1	7.4	7.1	7.4	7.4	7.7
140°	8.1	8.1	7.7	7.1	6.4	6.0	5.7	5.4	6.0	6.0	6.4
142.5°	7.1	7.1	6.4	5.7	4.7	4.0	3.7	4.0	4.7	4.7	5.0
145°	5.7	5.7	5.4	4.7	3.4	2.7	2.4	3.0	3.4	3.4	3.7
147.5°	4.7	4.4	4.0	3.4	2.4	1.7	1.3	2.0	2.4	2.4	2.7
150°	3.4	3.4	3.0	2.4	1.3	0.7	0.7	1.0	1.3	1.3	1.7
152.5°	2.4	2.4	2.0	1.3	0.7	0.0	0.3	0.7	0.7	0.7	1.0
155°	1.3	1.3	1.3	1.0	0.3	0.0	0.0	0.3	0.3	0.3	0.7
157.5°	0.7	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.7	0.3	0.3	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	101.5	100.8	100.1	99.1	98.4	97.8	97.1	96.8	96.8	96.4	96.8
5°	105.2	104.1	102.1	100.4	98.4	97.1	95.7	95.1	94.4	94.1	94.1
7.5°	111.9	110.5	107.2	104.1	101.1	98.8	97.1	95.4	94.7	94.4	94.4
10°	121.6	119.6	114.6	110.2	105.8	102.8	99.8	98.1	97.1	96.4	96.4
12.5°	135.4	132.0	125.6	118.3	112.5	108.5	104.8	103.1	102.8	102.8	102.8
15°	153.9	149.2	139.4	130.7	122.3	115.2	112.5	112.5	112.2	111.9	112.2
17.5°	173.0	167.6	155.5	144.5	134.0	127.0	122.6	121.6	121.3	120.9	121.3
20°	195.9	189.1	175.0	159.9	146.8	140.1	134.0	131.4	131.0	131.4	130.7
22.5°	221.7	214.3	193.5	175.4	160.9	151.5	144.5	140.8	141.4	141.4	141.1
25°	253.0	241.5	217.0	192.5	175.0	161.9	153.9	150.2	150.5	151.2	151.8
27.5°	284.5	271.4	240.2	210.3	187.5	172.3	162.9	158.9	158.6	160.6	160.2
30°	321.5	304.7	265.7	228.4	198.9	179.7	170.0	166.6	166.3	168.0	168.3
32.5°	361.1	340.3	292.3	246.6	209.0	186.1	175.0	172.7	172.0	173.7	174.0
35°	404.5	377.9	318.1	262.4	217.4	190.5	179.1	176.4	175.4	177.0	177.7
37.5°	446.5	415.6	344.7	276.5	224.1	193.2	180.7	178.7	177.4	178.4	178.7
40°	490.8	457.9	371.6	289.2	228.1	194.5	181.4	179.4	178.1	178.1	178.1
42.5°	539.5	496.9	393.4	298.3	230.5	194.2	180.7	178.4	176.7	175.4	175.4
45°	589.6	538.9	415.9	305.7	230.8	192.5	179.1	177.0	174.4	171.7	171.3
47.5°	638.3	576.8	435.7	309.7	229.8	190.1	176.7	174.0	171.7	167.6	167.6
50°	685.7	614.8	452.2	311.8	226.8	187.5	174.4	171.7	168.6	163.3	162.6
52.5°	729.0	649.4	464.6	311.1	222.4	183.8	171.3	169.0	165.3	158.9	158.9
55°	771.7	681.3	472.3	306.7	217.0	179.7	168.6	166.3	162.3	155.5	154.9
57.5°	806.6	704.1	475.4	300.0	211.0	175.4	166.0	163.6	159.9	152.5	152.5
60°	836.2	723.3	473.3	291.3	204.3	171.3	162.6	161.3	157.9	150.8	150.8
62.5°	853.3	731.0	465.6	280.2	196.5	167.0	159.6	158.9	155.9	149.2	149.2
65°	857.0	726.0	449.8	266.4	188.8	161.9	156.2	155.9	153.9	147.5	146.8
67°	846.9	712.9	432.4	254.6	182.1	157.9	153.2	153.2	151.5	145.8	145.5
67.5°	843.2	707.8	427.7	251.6	180.7	157.2	152.5	152.9	151.2	145.5	144.5
70°	811.0	673.9	398.8	234.5	171.3	151.2	148.2	148.5	147.1	142.8	141.8
72.5°	760.9	625.2	364.8	218.0	161.9	145.1	142.1	143.4	142.1	138.7	136.7
75°	693.4	565.7	329.6	199.2	152.5	137.7	135.7	136.4	136.1	132.7	131.0
77.5°	613.8	500.2	291.9	181.7	142.1	130.3	128.3	129.3	128.7	125.6	123.6
80°	527.4	431.0	255.7	164.3	131.4	121.9	119.9	120.3	119.9	116.9	114.2
82.5°	442.8	363.2	218.7	147.1	120.9	112.9	110.5	110.2	109.5	106.2	104.1
85°	365.5	298.3	186.8	130.7	110.2	102.8	100.8	99.4	98.4	94.7	93.4
87.5°	291.3	243.9	157.9	116.6	99.4	93.4	90.7	88.4	86.7	83.3	82.0
90°	232.5	196.5	134.7	102.1	89.7	84.3	80.6	77.6	75.6	71.9	69.9
92.5°	184.4	156.5	113.2	89.7	80.3	75.6	72.2	68.5	65.8	61.1	60.1
95°	146.1	126.0	95.4	78.6	71.2	67.2	64.2	60.1	56.4	51.7	50.7
97.5°	115.6	102.8	80.3	68.9	62.8	59.5	56.4	52.4	48.4	43.7	43.0
100°	92.4	82.6	68.9	60.1	56.1	52.7	49.7	46.0	41.0	36.3	36.3
102.5°	74.2	67.9	57.8	52.7	49.4	46.7	44.0	40.3	34.9	29.9	29.9
105°	60.1	56.1	49.7	46.0	43.7	41.7	39.0	34.6	29.2	25.2	25.2
107.5°	49.4	46.4	42.7	40.0	38.6	36.6	34.3	29.9	24.9	21.2	21.2



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	41.0	39.0	36.3	35.3	34.3	32.6	29.9	25.9	20.8	18.1	18.1
112.5°	34.3	33.3	31.2	30.9	30.2	28.9	26.2	22.2	17.5	15.8	15.8
115°	29.2	28.6	27.2	27.2	26.5	25.5	22.8	19.1	15.1	13.4	13.8
117.5°	24.9	24.5	23.9	23.9	23.5	22.5	19.8	16.5	12.8	12.1	12.1
120°	21.8	21.5	21.2	20.8	20.8	19.5	17.1	13.8	11.1	10.8	10.8
122.5°	18.8	18.8	18.5	18.5	18.1	16.8	14.8	11.8	9.7	9.4	9.4
125°	16.5	16.5	16.1	16.1	15.8	14.8	12.8	10.1	8.4	8.4	8.4
127.5°	14.4	14.4	14.1	14.1	13.8	12.4	10.8	8.4	7.4	7.4	7.7
130°	12.8	12.8	12.4	12.1	11.8	10.8	8.7	7.1	6.4	6.7	6.7
132.5°	11.1	10.8	10.8	10.4	9.7	8.7	7.4	6.0	5.7	6.0	6.0
135°	9.4	9.4	9.1	8.7	8.1	7.4	6.0	5.0	5.0	5.4	5.4
137.5°	8.1	8.1	7.7	7.1	6.7	5.7	4.7	4.0	4.4	4.7	4.7
140°	6.4	6.7	6.4	5.7	5.0	4.4	3.7	3.4	3.7	4.0	4.4
142.5°	5.4	5.4	5.0	4.4	3.7	3.0	2.7	2.7	3.4	3.7	3.7
145°	4.0	4.0	3.7	3.4	2.4	2.0	1.7	2.4	2.7	3.0	3.0
147.5°	2.7	2.7	2.7	2.0	1.3	1.0	1.0	1.7	2.4	2.4	2.4
150°	1.7	1.7	1.7	1.3	0.7	0.3	0.7	1.3	1.7	2.0	2.0
152.5°	1.0	1.0	1.0	0.7	0.3	0.0	0.3	1.0	1.3	1.3	1.3
155°	0.7	0.7	0.7	0.3	0.3	0.0	0.3	0.7	1.0	1.0	1.0
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.3
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)