

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: P414206

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2262 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

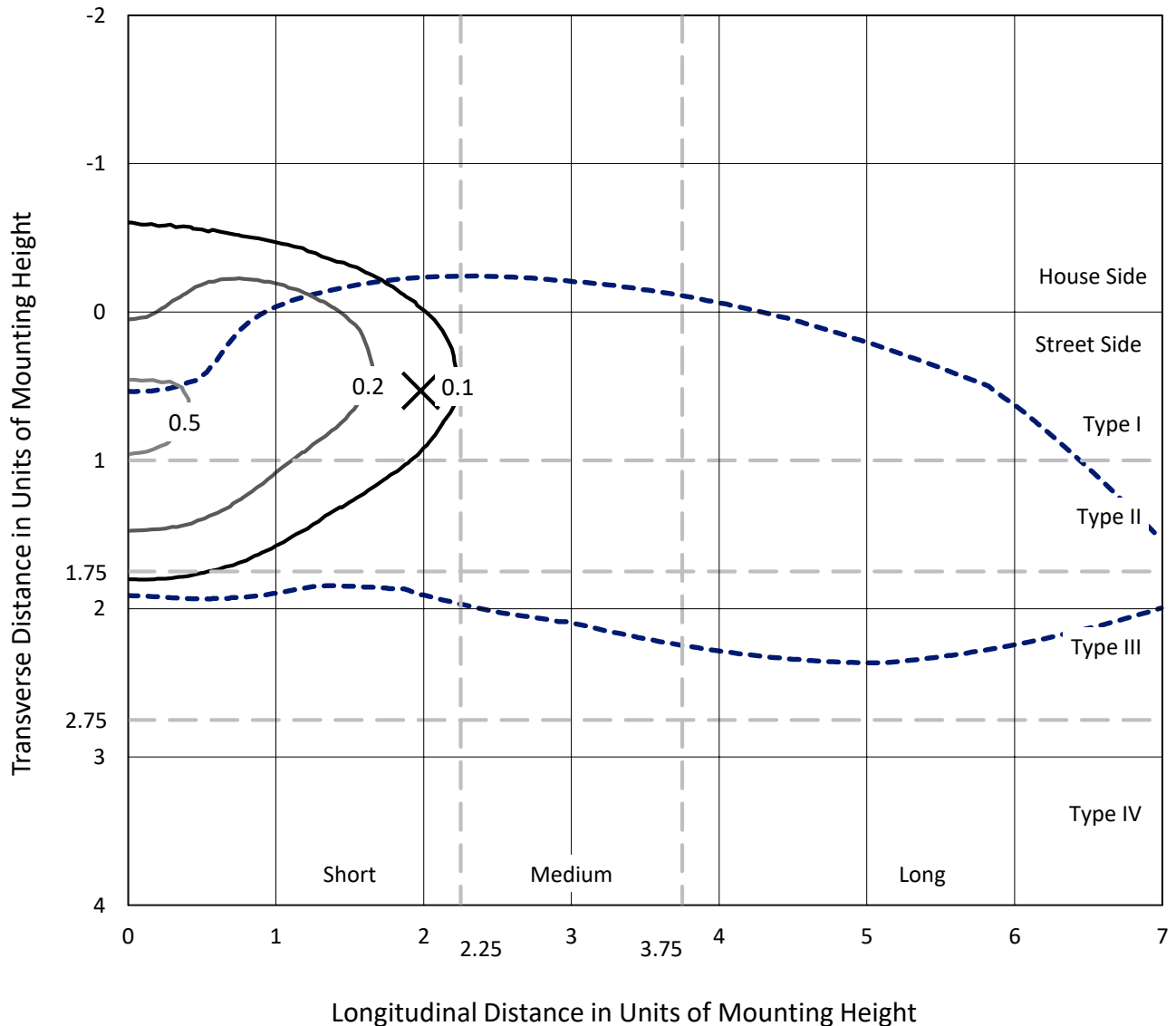
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

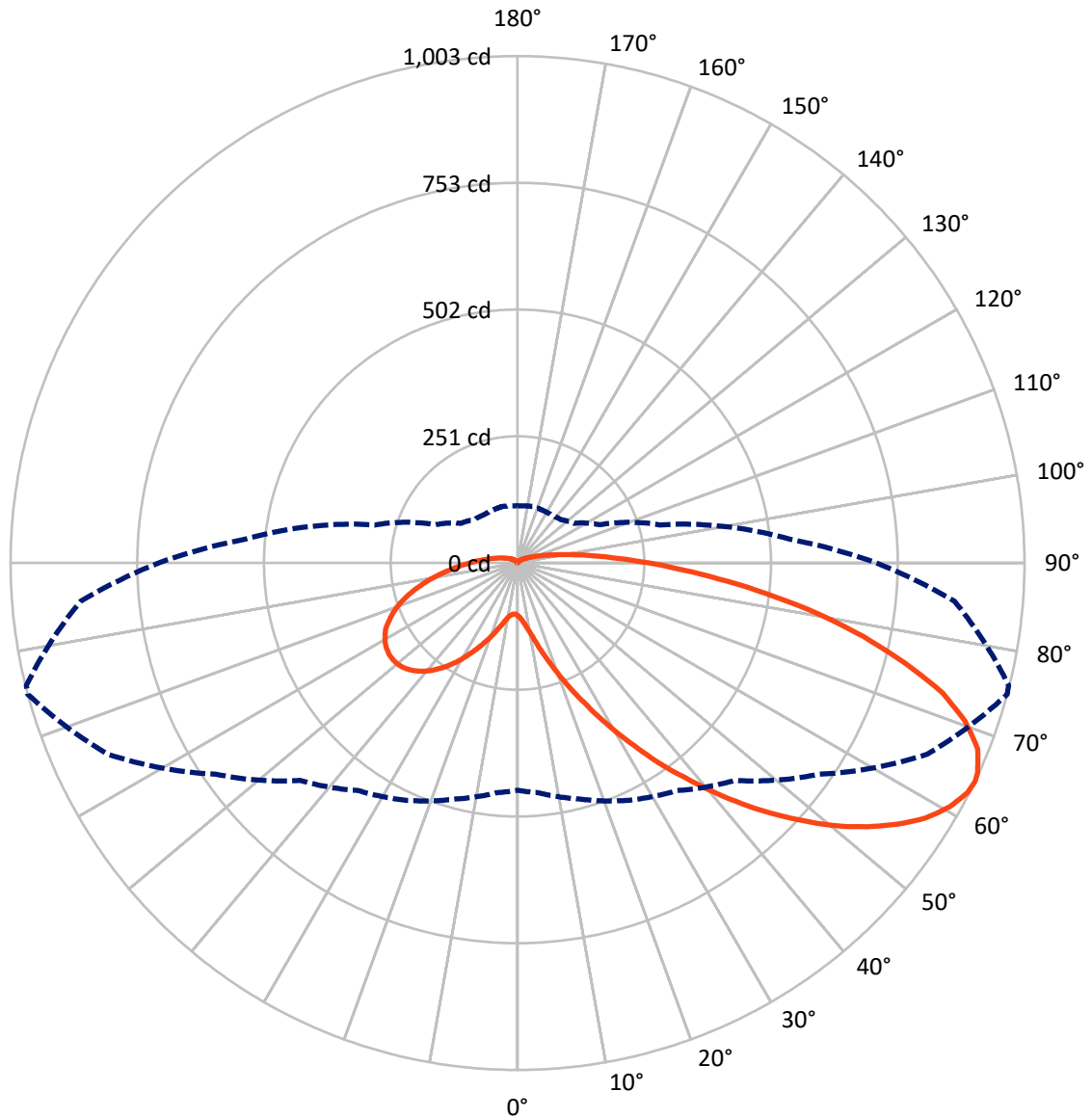


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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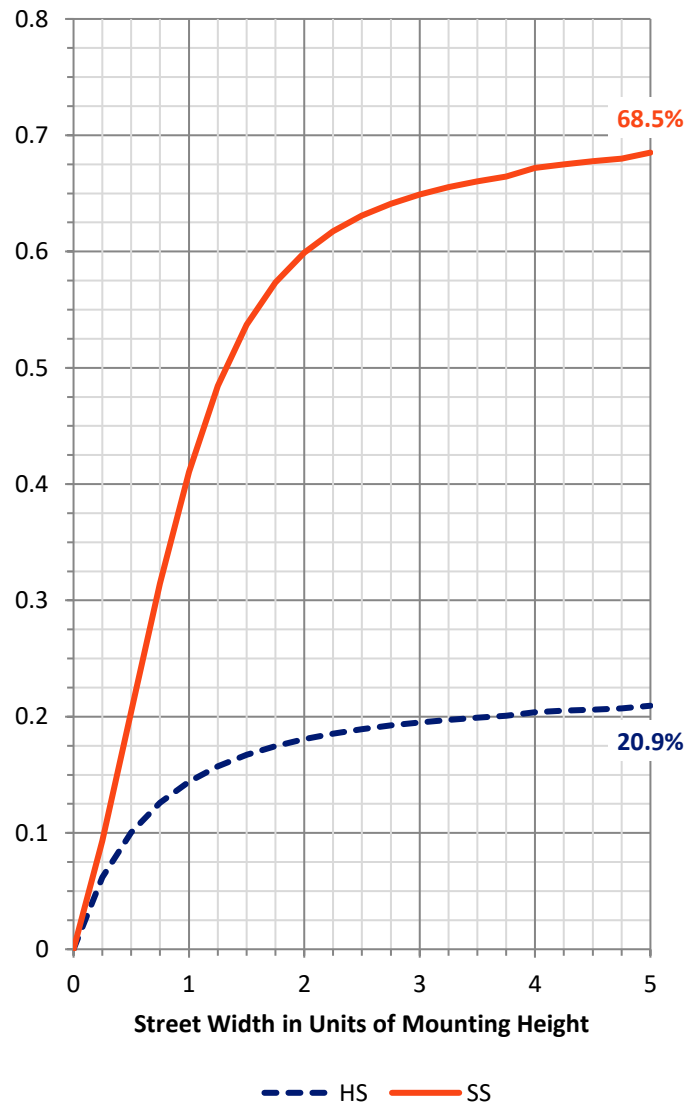
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	498.9	65.7	564.6
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	1597.4	100.0	1697.4
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	2096.3	165.6	2262.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.0	0.5
10°-20°	45.6	2.0
20°-30°	115.5	5.1
30°-40°	226.2	10.0
40°-50°	351.9	15.6
50°-60°	431.6	19.1
60°-70°	419.5	18.5
70°-80°	316.4	14.0
80°-90°	178.6	7.9
90°-100°	84.3	3.7
100°-110°	40.7	1.8
110°-120°	21.4	0.9
120°-130°	11.5	0.5
130°-140°	5.6	0.2
140°-150°	1.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2096.3	92.7
0°-180°	2262.0	100.0



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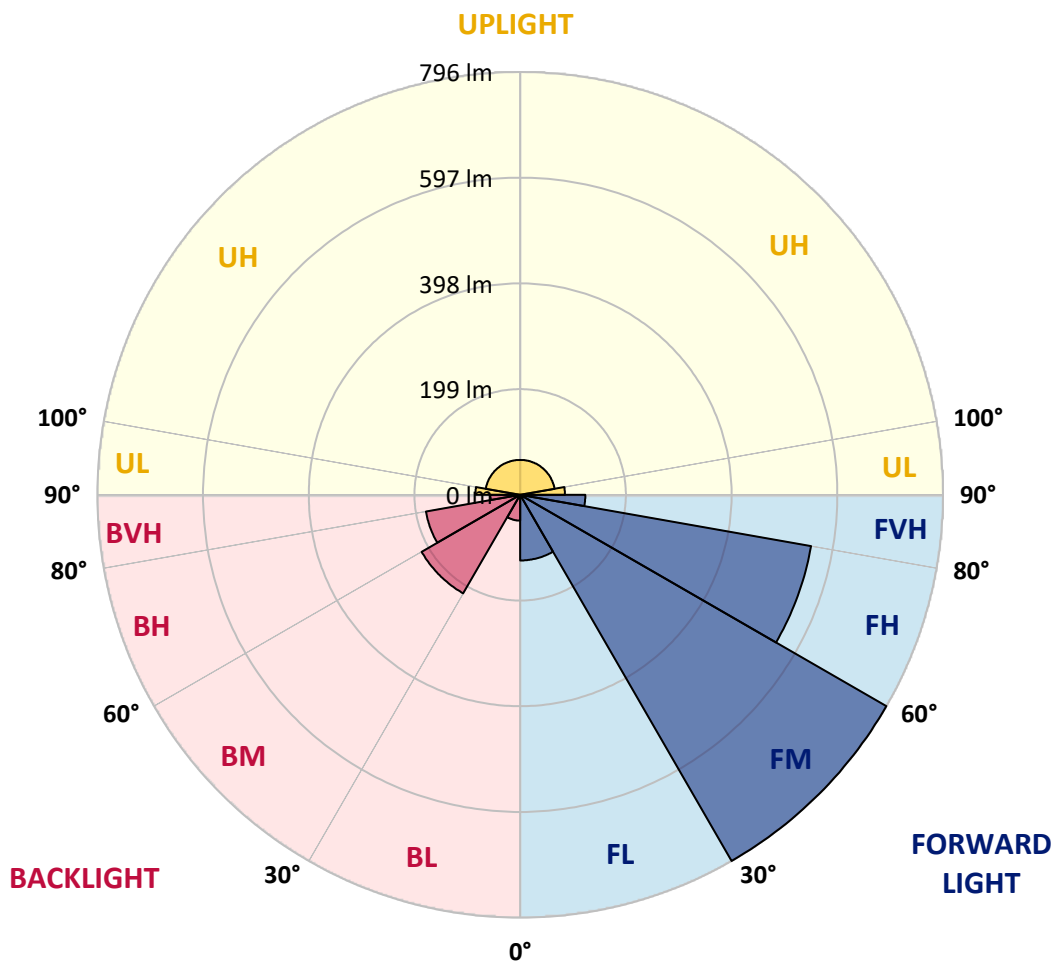
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.6	5.5			
FM	(30°-60°)	795.5	35.2			
FH	(60°-80°)	555.8	24.6			G0/660
FVH	(80°-90°)	122.5	5.4			G2/225
BL	(0°-30°)	48.5	2.1	B0/110		
BM	(30°-60°)	214.1	9.5	B0/220		
BH	(60°-80°)	180.1	8.0	B1/500		G1/500
BVH	(80°-90°)	56.1	2.5			G1/100
UL	(90°-100°)	84.3	3.7		U3/500	
UH	(100°-180°)	65.7	2.9		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3
2.5°	121.6	120.5	119.9	119.7	117.7	115.8	113.6	111.4	109.0	108.4	106.2
5°	140.5	139.1	138.6	137.0	134.2	130.9	126.2	121.9	116.4	116.6	111.7
7.5°	162.2	161.1	159.5	157.0	152.9	148.5	141.6	135.0	127.6	126.8	119.7
10°	186.9	186.1	184.4	180.6	175.4	168.0	161.1	151.2	140.8	140.2	129.8
12.5°	216.5	215.4	210.8	206.9	200.1	193.2	182.8	171.0	159.7	158.4	145.5
15°	250.0	248.4	245.1	239.0	231.6	220.4	209.4	197.6	182.8	180.3	165.2
17.5°	284.3	284.3	280.2	273.1	262.9	253.0	241.0	226.1	207.5	207.2	187.2
20°	327.4	326.9	320.6	310.1	300.0	289.5	275.0	258.3	237.4	235.5	211.1
22.5°	374.1	373.5	365.8	354.6	341.4	326.6	310.4	292.8	270.1	267.6	239.0
25°	424.6	424.3	416.3	399.1	382.3	368.3	351.6	332.1	305.7	305.2	270.9
27.5°	486.1	483.0	470.7	449.6	428.4	410.3	390.8	373.3	346.9	342.8	304.6
30°	545.3	543.7	527.0	504.2	475.1	451.2	431.4	418.0	390.8	387.0	344.2
32.5°	606.5	605.4	585.1	558.8	522.8	493.2	477.8	463.3	437.2	435.6	383.1
35°	674.3	669.9	646.6	610.4	568.7	535.5	521.7	515.1	489.4	483.3	426.0
37.5°	729.8	726.5	705.3	661.2	612.0	576.4	565.9	561.5	539.3	536.8	472.3
40°	783.3	780.8	755.0	707.3	651.3	615.6	605.2	612.6	594.7	590.9	519.0
42.5°	822.0	818.7	794.8	744.0	685.3	647.7	647.4	664.5	651.6	647.4	567.3
45°	845.0	841.7	822.0	773.1	711.9	675.7	682.0	711.9	708.1	703.1	611.5
47.5°	847.2	845.3	831.0	785.8	728.1	697.7	715.8	758.6	762.7	758.0	658.7
50°	827.2	829.1	820.1	784.1	733.9	711.9	743.2	802.8	817.9	812.4	705.6
52.5°	789.3	787.1	791.0	765.5	727.9	716.9	761.9	839.8	867.5	862.1	749.0
55°	726.2	727.9	741.3	731.7	708.9	711.1	773.1	869.2	912.6	908.2	788.2
57.5°	659.8	655.9	680.1	681.7	675.4	695.7	774.5	891.4	952.4	947.7	822.0
60°	572.8	582.1	603.8	622.5	633.4	670.2	765.5	903.0	981.4	980.1	849.2
62.5°	497.6	499.5	528.9	557.1	583.5	634.3	745.4	902.7	1000.4	998.7	865.4
64°	449.8	456.1	483.9	518.2	549.7	608.5	728.9	895.0	1003.4	1002.0	868.1
65°	423.8	422.9	456.1	490.7	524.8	589.0	712.2	886.8	1000.7	1000.7	867.0
67.5°	352.1	354.9	384.0	423.8	465.7	537.4	669.4	857.4	982.5	984.5	851.1
70°	290.4	294.5	326.3	361.7	408.1	485.5	616.4	804.4	940.0	942.7	816.8
72.5°	239.6	244.3	267.6	303.3	354.6	430.9	556.6	738.0	879.9	881.0	759.4
75°	194.9	200.1	223.7	254.7	299.2	372.2	491.3	665.8	792.3	797.8	685.3
77.5°	158.6	164.1	185.8	213.8	256.1	318.4	426.5	582.4	699.3	702.6	600.5
80°	128.2	133.9	153.1	179.5	216.3	271.2	365.8	497.0	598.9	598.9	513.2
82.5°	104.0	109.0	126.2	149.0	182.5	228.9	307.4	413.1	495.1	495.4	424.0
85°	84.0	87.0	104.0	124.1	151.8	191.8	254.1	336.2	399.3	393.6	341.7
87.5°	67.5	70.3	84.5	104.0	126.0	160.0	208.6	273.6	314.0	315.9	272.8
90°	54.3	56.0	69.2	85.6	105.9	132.3	169.6	217.6	247.0	244.5	213.8
92.5°	44.2	46.1	57.4	72.2	89.2	111.2	139.7	172.4	191.3	191.8	167.1
95°	36.2	37.3	47.8	60.9	76.3	93.0	113.9	137.2	150.1	148.5	130.1
97.5°	30.2	30.7	40.3	52.1	64.8	78.5	95.0	109.2	116.4	115.3	101.8
100°	25.5	26.1	34.3	45.3	56.0	67.0	78.5	88.1	90.6	89.2	80.1
102.5°	22.2	22.5	29.4	39.2	48.3	57.4	65.3	71.4	71.1	71.1	63.4
105°	19.5	19.8	25.5	34.3	42.5	49.7	55.2	58.2	57.1	56.5	50.8
107.5°	17.6	17.8	22.5	30.2	37.6	43.1	47.2	48.0	45.8	45.3	41.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.9	15.9	19.8	26.6	33.2	37.6	40.3	40.3	37.1	36.8	34.0
112.5°	14.5	14.8	17.8	23.6	29.4	33.2	34.9	33.5	30.5	30.2	28.8
115°	13.4	13.7	15.9	21.1	26.1	29.4	30.2	28.3	25.2	25.0	23.9
117.5°	12.6	12.9	14.5	18.7	23.3	25.8	26.1	24.2	21.1	20.9	20.6
120°	12.1	12.1	13.4	16.7	20.6	22.8	22.5	20.6	18.1	17.8	17.8
122.5°	11.5	11.5	12.4	14.8	18.1	20.0	19.8	17.6	15.4	15.4	15.4
125°	11.0	11.0	11.5	13.4	16.2	17.6	17.0	15.1	13.2	13.2	13.7
127.5°	10.4	10.4	10.7	11.8	14.3	15.1	14.5	12.6	11.5	11.5	11.8
130°	9.9	9.9	9.9	10.7	12.4	12.9	12.4	10.7	9.9	9.9	10.4
132.5°	9.3	9.3	9.3	9.3	10.4	11.0	10.2	8.8	8.5	8.8	9.1
135°	8.8	8.8	8.5	8.2	8.8	9.1	8.2	7.4	7.4	7.4	8.0
137.5°	8.2	8.0	7.7	7.4	7.1	7.1	6.6	5.8	6.3	6.3	6.9
140°	7.4	7.1	6.9	6.3	5.8	5.5	4.9	4.7	5.2	5.2	5.5
142.5°	6.6	6.3	6.0	5.2	4.4	3.8	3.3	3.6	4.1	4.1	4.4
145°	5.5	5.5	4.9	4.1	3.3	2.7	2.2	2.5	3.0	3.0	3.3
147.5°	4.7	4.4	4.1	3.3	2.2	1.6	1.1	1.6	2.2	2.2	2.5
150°	3.6	3.3	3.0	2.2	1.4	0.5	0.5	1.1	1.4	1.4	1.6
152.5°	2.5	2.5	2.2	1.4	0.5	0.0	0.3	0.5	0.8	0.8	1.1
155°	1.6	1.4	1.1	0.8	0.3	0.0	0.0	0.3	0.5	0.5	0.5
157.5°	0.8	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3
2.5°	104.8	103.7	101.3	99.1	96.9	95.0	93.9	92.5	92.2	91.9	91.9
5°	108.7	106.2	101.3	96.6	92.2	88.6	85.9	83.2	81.8	81.2	81.0
7.5°	115.3	111.4	103.5	96.3	89.7	84.3	79.9	76.6	74.7	73.6	73.3
10°	124.3	118.8	107.9	98.0	89.2	82.1	76.6	72.7	70.3	69.2	68.9
12.5°	138.6	129.8	116.1	102.1	90.6	81.8	75.5	71.4	70.3	69.2	69.2
15°	154.8	146.0	127.1	109.8	95.0	83.4	77.9	75.2	73.6	72.7	72.5
17.5°	175.7	162.2	139.4	118.0	100.4	89.5	82.3	79.3	77.7	76.8	76.6
20°	197.1	181.1	153.1	127.1	107.9	96.6	88.1	83.4	81.8	81.0	80.7
22.5°	222.6	203.4	167.4	136.7	116.4	103.2	93.6	88.1	86.2	85.4	85.6
25°	248.7	228.1	182.8	146.8	124.3	108.7	98.8	92.5	91.1	90.0	90.0
27.5°	280.5	253.0	198.4	158.4	131.2	113.6	103.5	97.2	94.7	94.7	94.4
30°	314.0	279.7	215.4	168.2	137.2	118.0	107.0	101.3	98.8	98.5	98.5
32.5°	346.6	308.2	232.2	178.1	141.9	121.0	110.3	104.8	101.8	101.5	101.8
35°	384.8	337.3	247.8	186.1	146.0	123.5	112.8	107.9	104.6	104.3	104.3
37.5°	421.0	367.2	262.9	192.4	148.8	125.2	114.7	110.3	106.8	106.5	106.2
40°	458.9	395.5	276.6	197.6	150.1	126.2	115.8	112.0	108.7	107.6	107.6
42.5°	497.3	424.0	288.2	200.6	150.9	126.5	116.6	113.1	110.1	108.1	108.1
45°	533.3	448.5	297.8	202.3	150.9	126.8	117.2	113.9	111.2	108.7	108.4
47.5°	572.8	473.2	305.2	202.5	150.1	126.2	117.5	114.7	111.7	109.0	108.7
50°	607.4	496.5	309.9	201.7	149.0	126.0	117.7	115.0	112.5	109.2	109.2
52.5°	637.8	515.1	312.1	199.5	147.7	125.4	117.7	115.5	113.3	109.8	109.5
55°	664.7	529.7	311.8	196.2	145.5	124.6	117.5	115.5	113.9	110.1	110.1
57.5°	687.8	539.8	309.3	192.4	143.3	124.1	117.5	115.8	114.4	110.9	110.9
60°	703.4	545.6	304.4	187.7	141.1	123.0	117.2	116.1	115.3	111.7	112.0
62.5°	710.8	544.8	296.7	182.8	138.6	121.9	116.6	115.8	115.5	112.8	112.8
64°	710.3	540.9	291.5	179.2	137.0	121.3	116.4	115.5	115.8	113.3	113.3
65°	706.7	535.5	286.0	176.5	135.6	120.8	115.8	115.3	115.8	113.3	113.3
67.5°	689.4	518.4	272.0	169.6	132.0	118.3	114.2	113.9	114.7	113.1	112.8
70°	655.1	491.5	256.9	160.8	127.6	115.5	111.7	111.4	112.5	111.2	110.6
72.5°	608.5	454.2	238.5	151.8	122.4	111.7	108.4	108.1	108.7	107.9	107.0
75°	549.7	410.3	217.9	141.6	116.6	106.8	103.7	103.2	104.0	102.9	102.4
77.5°	484.4	361.7	196.2	130.9	109.2	101.3	98.3	97.4	97.4	96.1	94.7
80°	412.5	312.1	174.6	119.9	101.5	94.4	91.9	90.8	90.0	87.8	86.5
82.5°	344.4	265.4	152.3	108.7	93.3	87.0	84.5	83.2	81.2	78.5	76.6
85°	280.2	220.9	132.0	96.6	85.1	79.0	77.1	74.7	72.2	69.2	66.7
87.5°	225.1	180.9	113.9	85.9	75.7	71.1	68.9	65.6	63.1	59.8	57.6
90°	178.7	148.2	97.4	75.5	67.5	63.4	61.5	58.2	54.6	51.0	49.1
92.5°	144.1	120.8	84.0	66.7	60.4	56.8	54.3	51.0	46.9	43.4	42.0
95°	114.4	97.7	71.6	59.0	53.5	50.2	47.8	44.7	40.3	36.2	35.1
97.5°	90.6	80.4	61.2	51.9	47.5	44.7	42.0	39.2	34.9	30.7	30.2
100°	72.7	65.3	52.4	45.8	42.0	39.5	37.3	34.3	30.2	25.8	25.8
102.5°	58.7	54.1	45.0	40.3	37.3	35.1	32.9	30.2	26.1	22.2	22.0
105°	48.0	44.7	38.7	35.7	33.2	31.6	29.4	26.3	22.5	18.9	18.7
107.5°	40.1	37.1	33.5	31.6	29.6	28.0	26.3	23.3	19.5	16.5	16.5



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.9	31.8	29.1	27.7	26.6	25.0	23.3	20.3	16.7	14.5	14.5
112.5°	28.0	26.9	25.5	24.7	23.6	22.5	20.6	17.8	14.5	12.9	12.9
115°	23.6	23.1	22.2	21.7	21.1	20.0	18.1	15.4	12.4	11.3	11.5
117.5°	20.6	20.3	19.8	19.5	18.9	17.6	15.9	13.4	10.7	10.2	10.2
120°	17.8	17.8	17.3	17.3	16.7	15.6	13.7	11.5	9.3	9.1	9.1
122.5°	15.6	15.6	15.4	15.4	14.8	13.7	12.1	9.9	8.0	8.0	8.2
125°	13.7	13.7	13.4	13.4	13.2	12.1	10.4	8.5	7.1	7.1	7.1
127.5°	12.1	12.1	12.1	11.8	11.3	10.4	8.8	7.1	6.3	6.3	6.3
130°	10.7	10.7	10.4	10.4	9.9	8.8	7.4	6.0	5.2	5.8	5.8
132.5°	9.3	9.3	9.3	8.8	8.2	7.4	6.0	4.9	4.7	4.9	4.9
135°	8.0	8.2	8.0	7.7	7.1	6.0	4.9	4.1	4.1	4.4	4.4
137.5°	6.9	6.9	6.9	6.3	5.8	4.9	3.8	3.3	3.6	3.8	3.8
140°	5.8	5.8	5.5	5.2	4.7	3.8	3.0	2.5	3.0	3.3	3.3
142.5°	4.7	4.7	4.4	4.1	3.3	2.7	1.9	1.9	2.5	2.7	2.7
145°	3.6	3.6	3.3	3.0	2.5	1.6	1.4	1.6	2.2	2.2	2.2
147.5°	2.5	2.5	2.5	1.9	1.4	0.8	0.5	1.1	1.6	1.6	1.9
150°	1.6	1.6	1.6	1.4	0.8	0.3	0.3	0.8	1.1	1.4	1.4
152.5°	1.1	1.1	1.1	0.8	0.5	0.0	0.0	0.5	0.8	0.8	0.8
155°	0.5	0.5	0.5	0.5	0.3	0.0	0.0	0.3	0.5	0.5	0.5
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.5	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	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)