

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: P414195

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414195  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2341 lumens  
Efficiency: N/A  
Efficacy: 111.5 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

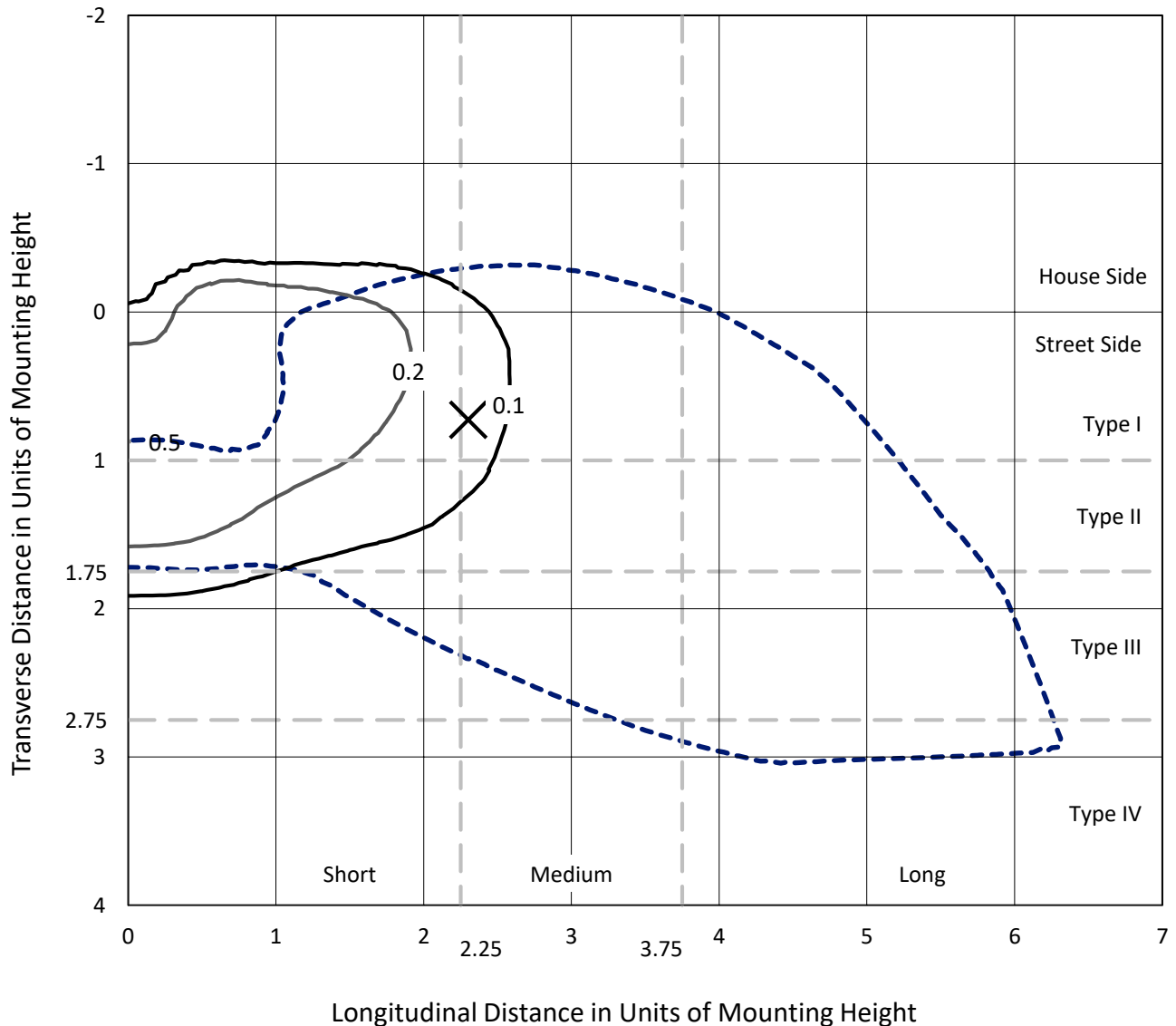
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

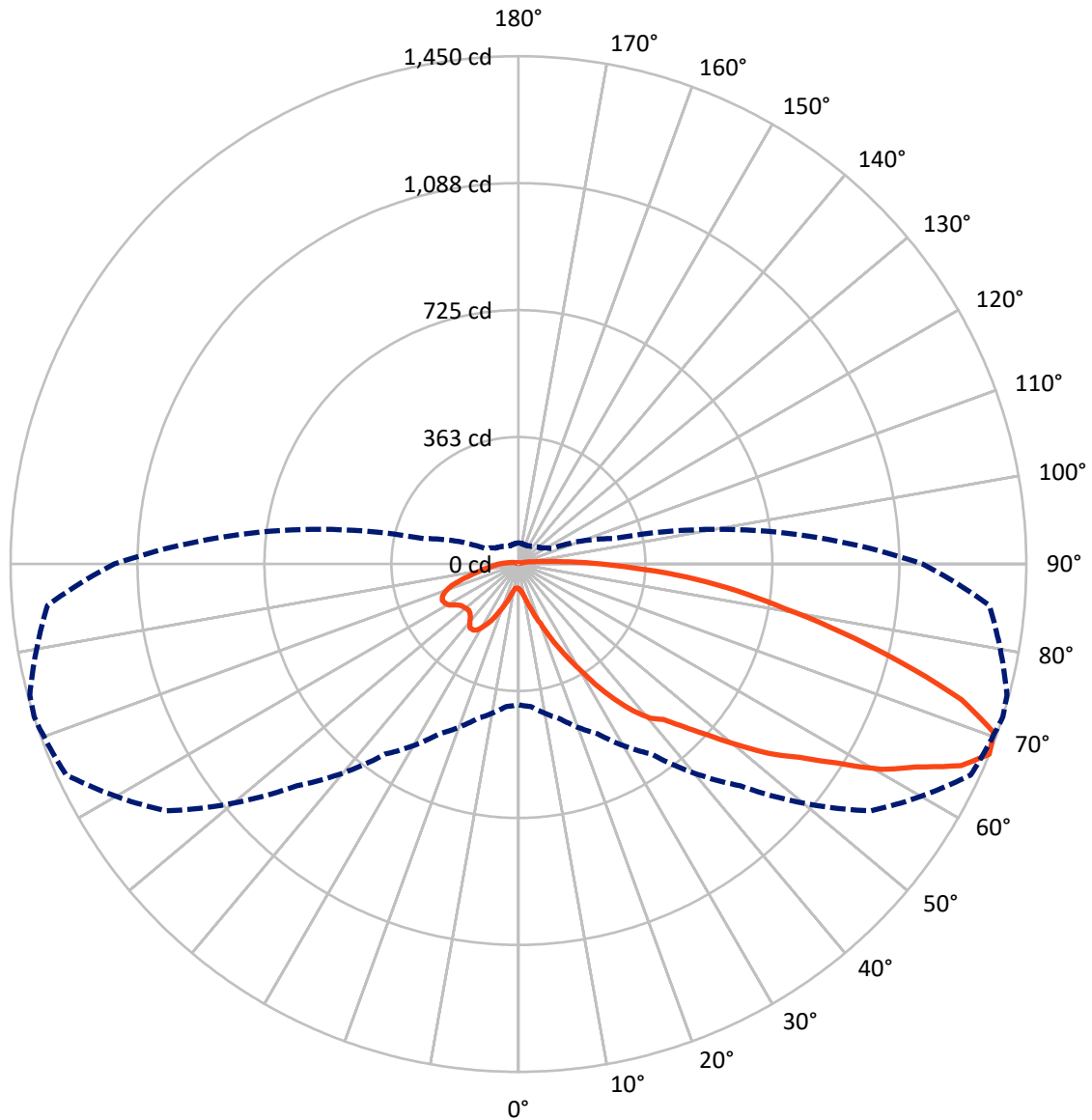
× Max cd  
 - - - 1/2 Max cd



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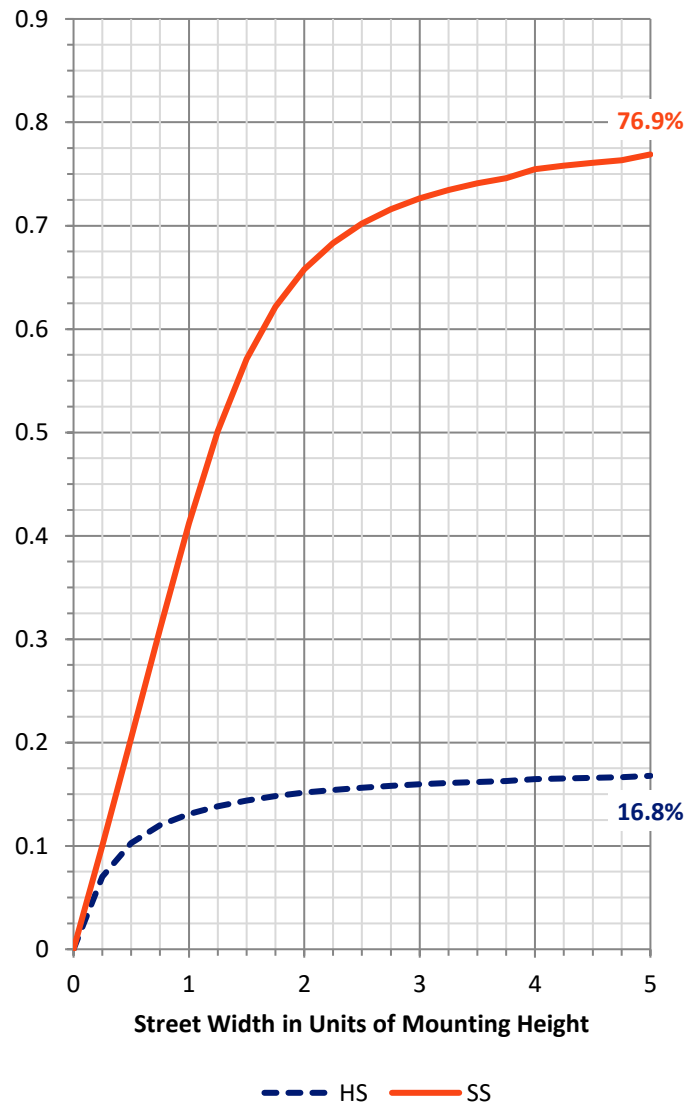
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	409.6	36.0	445.6
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	1844.5	50.9	1895.4
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	2254.1	86.9	2341.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.3
10°-20°	31.6	1.3
20°-30°	87.5	3.7
30°-40°	188.3	8.0
40°-50°	318.6	13.6
50°-60°	467.5	20.0
60°-70°	557.5	23.8
70°-80°	416.4	17.8
80°-90°	179.3	7.7
90°-100°	52.0	2.2
100°-110°	16.9	0.7
110°-120°	7.9	0.3
120°-130°	4.8	0.2
130°-140°	3.1	0.1
140°-150°	1.4	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2254.1	96.3
0°-180°	2341.0	100.0

**Coefficient of Utilization**



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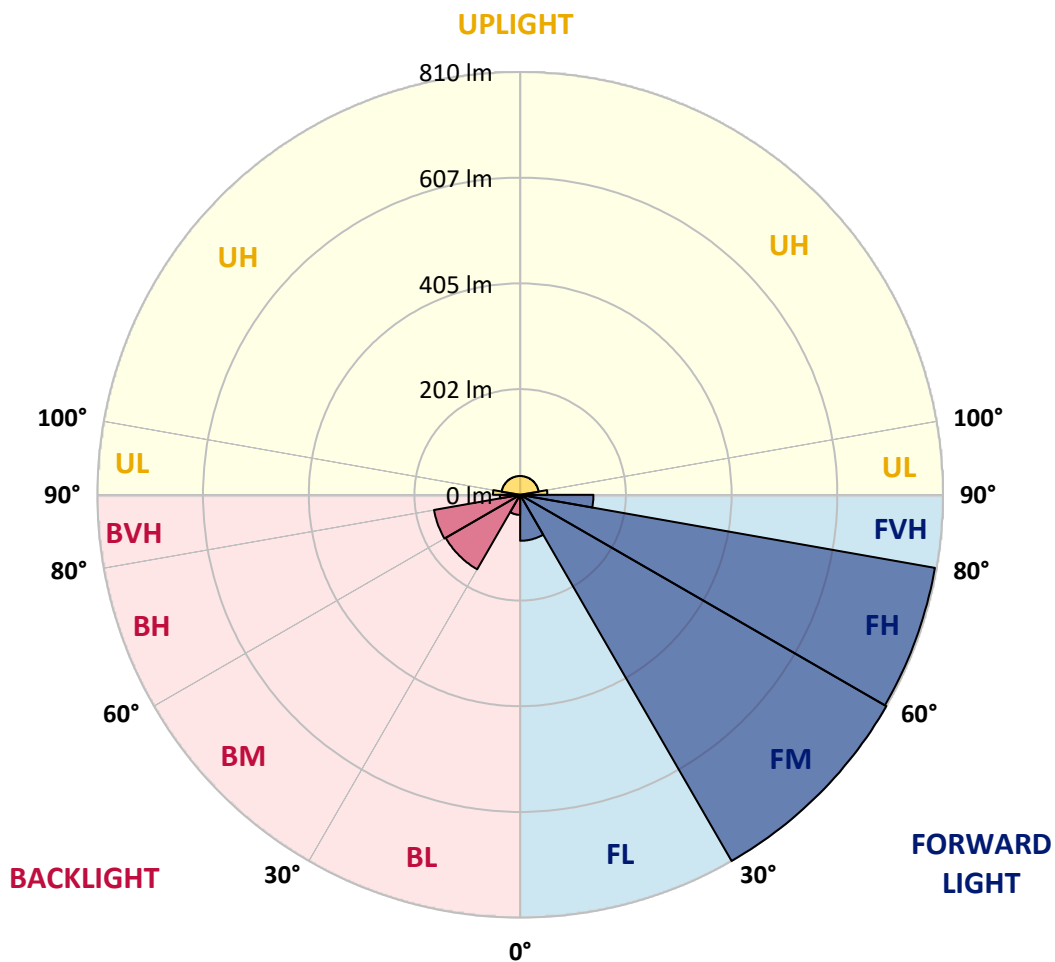
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.1	3.8			
FM	(30°-60°)	809.7	34.6			
FH	(60°-80°)	806.5	34.4			G1/1800
FVH	(80°-90°)	140.3	6.0			G2/225
BL	(0°-30°)	38.4	1.6	B0/110		
BM	(30°-60°)	164.7	7.0	B0/220		
BH	(60°-80°)	167.5	7.2	B1/500		G1/500
BVH	(80°-90°)	39.1	1.7			G1/100
UL	(90°-100°)	52.0	2.2		U3/500	
UH	(100°-180°)	36.0	1.5		U2/50	

**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°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.5°	76.9	77.4	77.9	77.7	77.4	76.6	75.2	73.8	72.5	72.5	71.4
5°	87.8	87.6	87.3	87.6	86.2	84.3	82.1	79.6	77.7	77.1	74.4
7.5°	100.5	99.9	100.5	98.8	96.9	94.4	91.1	87.8	84.5	84.0	79.6
10°	115.6	115.0	114.7	113.4	109.8	106.2	102.9	97.7	95.2	94.4	88.7
12.5°	134.5	134.2	132.6	129.8	125.2	121.6	116.9	114.2	111.7	109.8	104.0
15°	156.2	156.7	154.8	149.0	143.3	137.8	135.6	133.4	131.5	130.6	125.7
17.5°	186.6	185.5	181.1	172.4	163.0	158.6	156.7	155.3	157.3	156.7	149.0
20°	224.2	221.5	214.6	199.5	188.0	180.9	179.2	181.7	182.8	185.5	180.3
22.5°	268.4	264.9	253.3	236.3	219.6	206.1	204.5	211.9	218.8	219.6	217.4
25°	311.5	308.2	298.1	275.8	253.3	235.5	231.7	248.1	261.8	264.3	267.3
27.5°	355.7	354.1	339.2	315.1	290.4	267.9	267.3	285.2	306.6	312.3	317.6
30°	405.9	409.8	391.1	360.7	329.6	303.6	302.2	328.5	354.9	367.2	376.0
32.5°	476.8	473.5	450.1	416.1	370.0	339.5	341.4	372.2	416.6	427.1	438.6
35°	558.0	559.1	527.3	474.3	419.9	382.3	381.0	423.8	475.4	484.2	503.4
37.5°	624.7	630.2	606.6	545.6	475.9	427.3	429.3	477.3	531.6	549.2	566.0
40°	696.3	701.3	673.8	614.5	536.9	477.0	479.8	526.4	578.3	592.6	596.7
42.5°	774.6	779.5	746.3	676.0	588.2	536.9	526.2	561.8	607.1	625.0	628.5
45°	847.8	856.3	822.9	740.2	645.6	590.7	574.5	603.3	662.6	679.0	682.9
47.5°	870.3	880.5	865.9	798.4	700.4	637.0	626.3	666.4	730.4	754.8	749.8
50°	892.0	901.4	892.6	832.7	746.0	690.8	693.3	740.0	812.4	843.7	839.9
52.5°	895.3	904.9	895.9	853.9	785.0	745.2	772.6	827.8	899.7	922.5	917.0
55°	900.8	907.1	898.9	851.4	813.3	803.1	855.0	917.8	974.9	1002.1	993.0
57.5°	824.5	827.0	856.9	844.3	819.3	867.3	947.7	1004.6	1071.8	1112.4	1107.8
60°	714.7	719.9	757.0	786.1	815.2	913.2	1038.9	1124.8	1190.6	1217.3	1192.0
62.5°	624.4	630.2	669.2	706.5	780.3	933.5	1134.1	1232.4	1275.7	1299.9	1270.0
65°	503.1	507.5	555.0	628.3	723.5	925.5	1205.5	1344.3	1388.0	1397.6	1339.7
67.5°	402.1	408.7	457.0	535.2	662.6	895.3	1228.8	1425.0	1450.3	1444.5	1349.8
70°	299.2	302.5	361.5	460.8	590.4	829.4	1206.6	1443.2	1439.3	1431.9	1302.1
72.5°	206.1	205.6	261.0	357.9	515.2	754.2	1103.1	1340.8	1322.7	1303.5	1139.0
75°	133.1	140.5	175.1	260.2	416.6	645.6	969.1	1164.3	1133.6	1103.1	938.4
77.5°	89.8	95.0	123.0	186.4	318.4	542.9	834.1	999.9	948.6	920.8	757.5
80°	61.8	64.0	85.4	137.0	236.9	430.6	683.2	827.5	771.5	738.6	587.9
82.5°	43.4	45.0	59.6	101.0	178.4	321.7	545.4	688.4	629.6	605.8	456.7
85°	31.3	32.4	42.8	75.2	135.6	241.5	415.0	535.5	484.4	466.0	326.3
87.5°	23.3	24.4	32.4	55.7	104.3	183.6	309.6	383.4	328.5	304.7	206.1
90°	17.3	18.4	25.0	41.7	81.5	138.3	224.2	262.1	213.3	193.2	131.5
92.5°	12.9	13.7	18.7	30.5	62.3	105.9	158.1	165.8	126.3	115.0	82.9
95°	9.6	10.2	14.0	22.2	44.5	77.1	103.5	96.9	74.4	67.5	52.4
97.5°	8.0	8.2	11.0	17.0	31.3	54.1	66.4	59.6	48.0	44.7	36.2
100°	6.6	6.9	8.8	12.9	22.8	37.1	43.9	38.7	33.5	32.1	28.3
102.5°	5.8	6.0	7.4	10.7	17.0	26.6	30.5	27.7	24.7	23.6	22.0
105°	5.2	5.2	6.6	9.1	14.0	20.0	22.2	20.3	18.4	17.8	17.6
107.5°	4.7	4.7	5.8	8.0	11.5	15.6	16.7	15.1	13.4	13.2	14.0
110°	4.4	4.4	5.2	7.1	9.9	12.9	13.2	11.3	10.2	10.2	11.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.1	4.1	4.9	6.3	8.8	10.7	10.4	8.8	8.0	8.0	9.3
115°	4.1	4.1	4.7	6.0	7.7	9.1	8.5	7.1	6.6	6.6	8.0
117.5°	4.1	4.4	4.7	5.8	7.1	8.0	7.4	6.0	5.8	5.8	7.1
120°	4.4	4.4	4.7	5.8	6.6	6.9	6.3	5.2	4.9	5.2	6.6
122.5°	4.4	4.4	4.9	5.8	6.3	6.3	5.5	4.7	4.7	4.7	6.0
125°	4.7	4.7	4.9	5.8	6.0	5.8	4.9	4.4	4.4	4.7	5.5
127.5°	4.9	4.9	5.2	5.8	5.8	5.2	4.7	4.1	4.1	4.4	5.5
130°	5.5	5.5	5.5	5.8	5.2	4.7	4.1	3.8	4.1	4.4	5.5
132.5°	5.5	5.5	5.5	5.5	4.9	4.1	3.8	3.6	4.1	4.4	5.2
135°	4.9	4.9	4.9	4.9	4.4	3.6	3.3	3.3	3.8	4.1	4.9
137.5°	4.4	4.4	4.4	4.1	3.8	3.3	2.7	2.7	3.3	3.6	4.4
140°	3.8	3.8	3.6	3.6	3.3	2.7	2.5	2.5	2.7	3.0	3.6
142.5°	3.0	3.0	3.0	3.0	2.7	2.2	1.9	1.9	2.5	2.7	3.0
145°	2.5	2.5	2.5	2.5	2.2	1.9	1.6	1.6	1.9	2.2	2.5
147.5°	1.9	1.9	2.2	2.2	1.9	1.6	1.1	1.4	1.6	1.6	1.9
150°	1.6	1.6	1.6	1.9	1.4	1.1	0.8	1.1	1.4	1.4	1.6
152.5°	1.4	1.4	1.4	1.4	1.1	0.5	0.8	1.1	1.1	1.4	1.4
155°	0.8	0.8	1.1	1.1	0.8	0.5	0.8	0.8	1.1	1.1	1.4
157.5°	0.5	0.5	0.8	0.8	0.8	0.5	0.5	0.8	0.8	0.8	1.1
160°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
162.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
165°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
167.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
170°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
172.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
175°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
177.5°	0.0	0.3	0.5	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.5°	70.5	70.0	68.9	67.8	66.7	65.6	65.3	64.8	64.5	64.2	64.5
5°	73.3	71.6	69.2	66.7	64.5	62.6	61.2	59.8	58.7	58.2	58.2
7.5°	78.2	75.5	71.4	67.2	63.4	60.1	57.9	56.0	54.6	54.1	53.8
10°	85.9	82.6	76.6	70.0	64.2	59.3	56.0	53.8	52.4	51.6	51.6
12.5°	99.4	95.5	85.9	75.8	66.4	59.6	55.2	53.0	51.6	51.3	51.6
15°	120.5	114.5	100.5	85.9	71.6	60.1	54.6	53.8	54.3	54.6	54.6
17.5°	145.2	137.0	119.1	97.2	77.4	62.6	56.8	56.3	57.1	57.9	58.5
20°	172.9	162.2	136.4	107.9	81.2	66.1	59.0	57.9	59.8	61.5	61.2
22.5°	208.0	195.1	158.4	116.1	84.0	67.0	59.8	58.7	62.0	64.0	64.5
25°	254.2	235.8	184.2	124.9	85.6	65.9	59.3	59.6	64.5	68.3	69.2
27.5°	304.4	277.8	208.0	132.0	85.6	63.1	58.5	61.8	68.6	73.6	74.1
30°	359.3	322.2	228.9	137.5	83.2	60.4	57.6	62.9	69.7	74.9	75.5
32.5°	417.7	368.3	250.6	139.4	79.6	58.2	56.8	62.0	67.8	72.5	73.6
35°	469.6	409.5	259.1	136.7	74.7	56.5	54.9	59.3	65.0	70.8	71.1
37.5°	523.7	448.8	262.9	129.0	69.7	54.9	53.2	57.4	64.2	71.1	71.9
40°	546.7	458.9	252.0	118.3	65.0	53.8	52.4	57.1	64.5	71.4	72.5
42.5°	570.3	468.8	238.5	102.9	62.0	53.5	53.2	57.1	63.1	68.6	69.4
45°	610.7	490.7	232.5	92.5	60.4	54.3	54.1	56.3	60.7	65.6	67.2
47.5°	668.3	524.0	229.5	85.9	60.4	55.7	54.9	55.4	58.2	62.6	64.0
50°	742.2	570.1	233.3	82.3	61.8	57.6	56.0	55.2	56.3	60.9	62.6
52.5°	804.2	614.3	238.0	81.8	64.0	60.1	57.6	55.2	56.0	61.5	63.4
55°	869.2	656.3	243.2	83.2	66.7	62.0	58.7	55.7	56.3	61.5	63.7
57.5°	963.7	727.6	256.6	86.2	69.4	64.2	60.1	56.5	56.0	60.1	61.8
60°	1049.8	795.7	276.7	91.9	72.7	66.4	61.5	57.1	55.7	58.5	59.6
62.5°	1102.0	832.5	284.3	97.4	76.0	68.3	62.0	57.1	56.5	59.0	59.8
65°	1155.8	867.6	287.4	101.8	77.9	69.4	62.0	57.6	57.6	59.3	59.6
67.5°	1153.9	859.9	280.2	104.0	79.6	70.0	62.0	57.6	58.2	59.8	60.1
70°	1103.4	815.7	262.4	103.7	79.3	69.2	60.9	57.4	59.6	61.5	61.8
72.5°	955.2	701.3	233.6	100.5	76.9	67.0	59.3	56.8	60.1	62.9	62.9
75°	783.6	571.2	193.0	94.1	73.8	64.2	56.8	54.9	59.0	62.9	62.9
77.5°	617.3	447.1	156.4	85.9	69.4	60.9	53.8	51.6	56.3	59.8	59.6
80°	479.5	339.0	125.7	77.7	64.5	57.4	50.2	47.8	51.9	54.3	53.8
82.5°	367.8	261.0	103.7	70.0	59.6	53.2	46.7	44.5	48.3	50.0	49.4
85°	251.1	186.9	85.1	61.5	53.2	48.3	43.1	41.4	45.8	47.8	47.2
87.5°	165.8	128.5	71.1	54.1	46.9	43.4	39.0	38.4	43.4	45.3	45.0
90°	109.5	89.8	60.4	46.9	40.9	37.9	35.1	35.1	39.5	41.2	40.1
92.5°	72.2	63.7	47.8	39.8	34.9	32.9	31.3	31.0	34.9	35.4	34.6
95°	49.1	44.7	37.3	32.9	29.4	28.3	26.9	27.4	29.9	29.4	28.5
97.5°	35.1	34.0	30.2	26.9	24.4	24.2	23.6	23.9	25.3	24.2	23.6
100°	28.0	27.2	25.0	22.5	20.9	20.6	20.3	20.6	21.4	20.3	19.8
102.5°	22.5	22.5	20.9	18.9	17.6	17.8	17.8	17.8	18.1	16.5	16.5
105°	18.1	18.1	17.6	15.9	15.1	15.1	15.4	15.4	15.4	14.3	14.3
107.5°	14.5	15.1	14.8	13.4	12.9	13.2	13.2	12.9	12.9	12.4	12.4
110°	11.8	12.4	12.4	11.5	11.3	11.5	11.3	11.0	10.7	10.7	10.7



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	10.4	10.7	10.2	9.9	9.9	9.6	9.3	9.3	9.6	9.6
115°	8.5	9.1	9.3	8.8	8.8	8.8	8.2	8.0	8.0	8.5	8.5
117.5°	7.7	8.0	8.2	8.0	7.7	7.7	7.4	6.9	6.9	7.4	7.7
120°	6.9	7.1	7.4	7.1	6.9	6.6	6.3	6.0	6.0	6.9	6.9
122.5°	6.3	6.6	6.6	6.3	6.0	6.0	5.8	5.5	5.5	6.0	6.3
125°	6.0	6.0	6.0	5.8	5.5	5.2	4.9	4.9	4.9	5.5	5.5
127.5°	5.8	5.8	5.5	5.2	4.9	4.7	4.7	4.4	4.4	4.9	5.2
130°	5.8	5.8	5.2	4.9	4.7	4.1	4.1	3.8	4.1	4.7	4.7
132.5°	5.5	5.5	4.9	4.7	4.1	3.8	3.6	3.6	3.6	4.1	4.4
135°	5.2	4.9	4.4	4.1	3.6	3.3	3.3	3.3	3.3	3.8	3.8
137.5°	4.7	4.4	3.8	3.6	3.3	3.0	2.7	2.7	3.0	3.3	3.6
140°	3.8	3.8	3.3	3.0	2.7	2.5	2.5	2.5	2.7	3.0	3.0
142.5°	3.3	3.3	2.7	2.5	2.2	1.9	2.2	2.2	2.5	2.7	2.7
145°	2.7	2.5	2.5	1.9	1.9	1.6	1.6	1.9	2.2	2.5	2.5
147.5°	2.2	2.2	1.9	1.6	1.4	1.4	1.4	1.6	1.9	1.9	2.2
150°	1.9	1.9	1.6	1.6	1.1	0.8	1.1	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.4	1.1	0.5	0.8	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.1	0.8	0.3	0.8	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	0.5	0.3	0.5	0.8	0.8	0.8	1.1
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.5	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.8	0.5	0.5	0.5
165°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
167.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
170°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
172.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
175°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
177.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.3	0.3
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)