

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: P413789

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8804.1 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

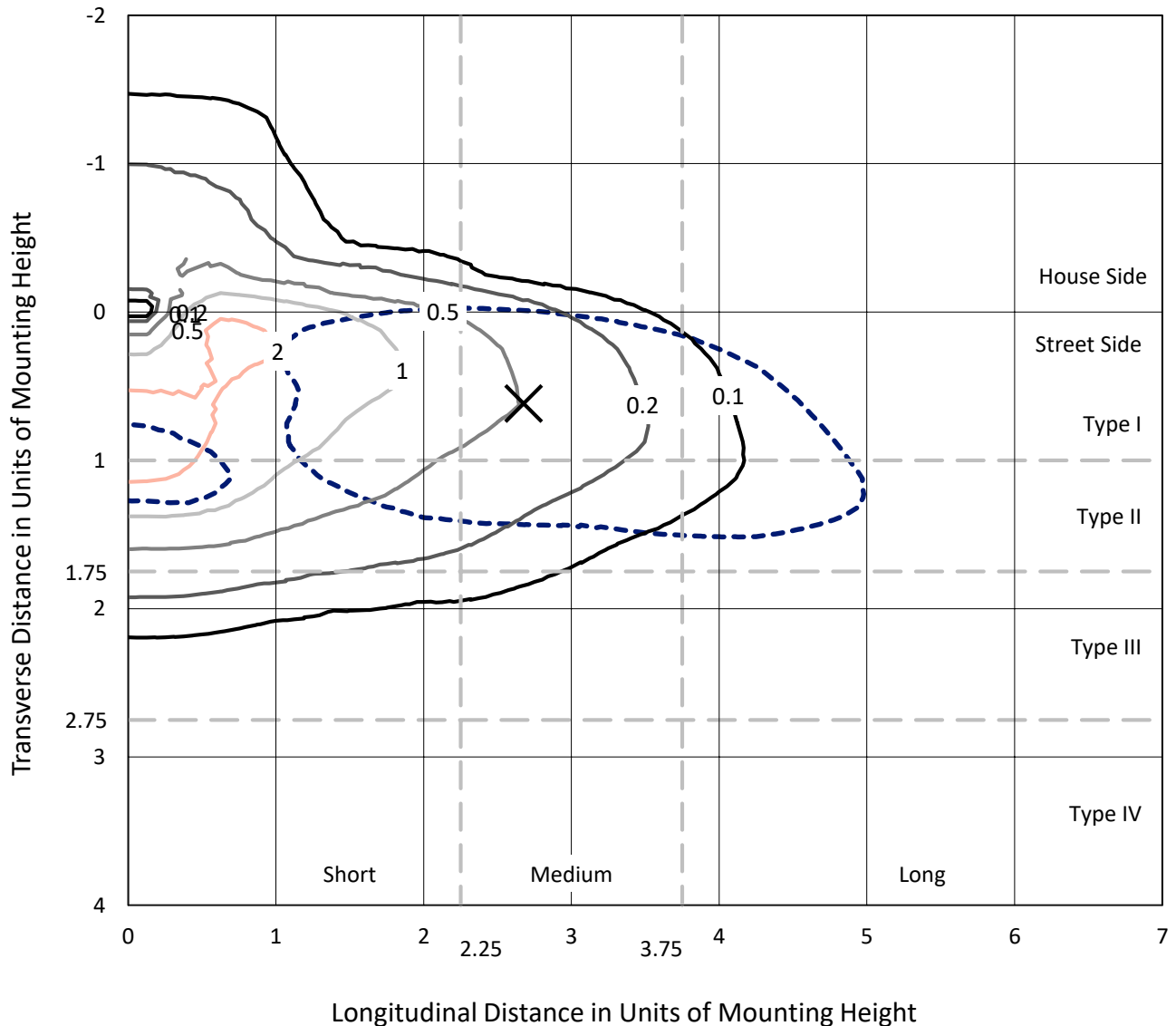
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

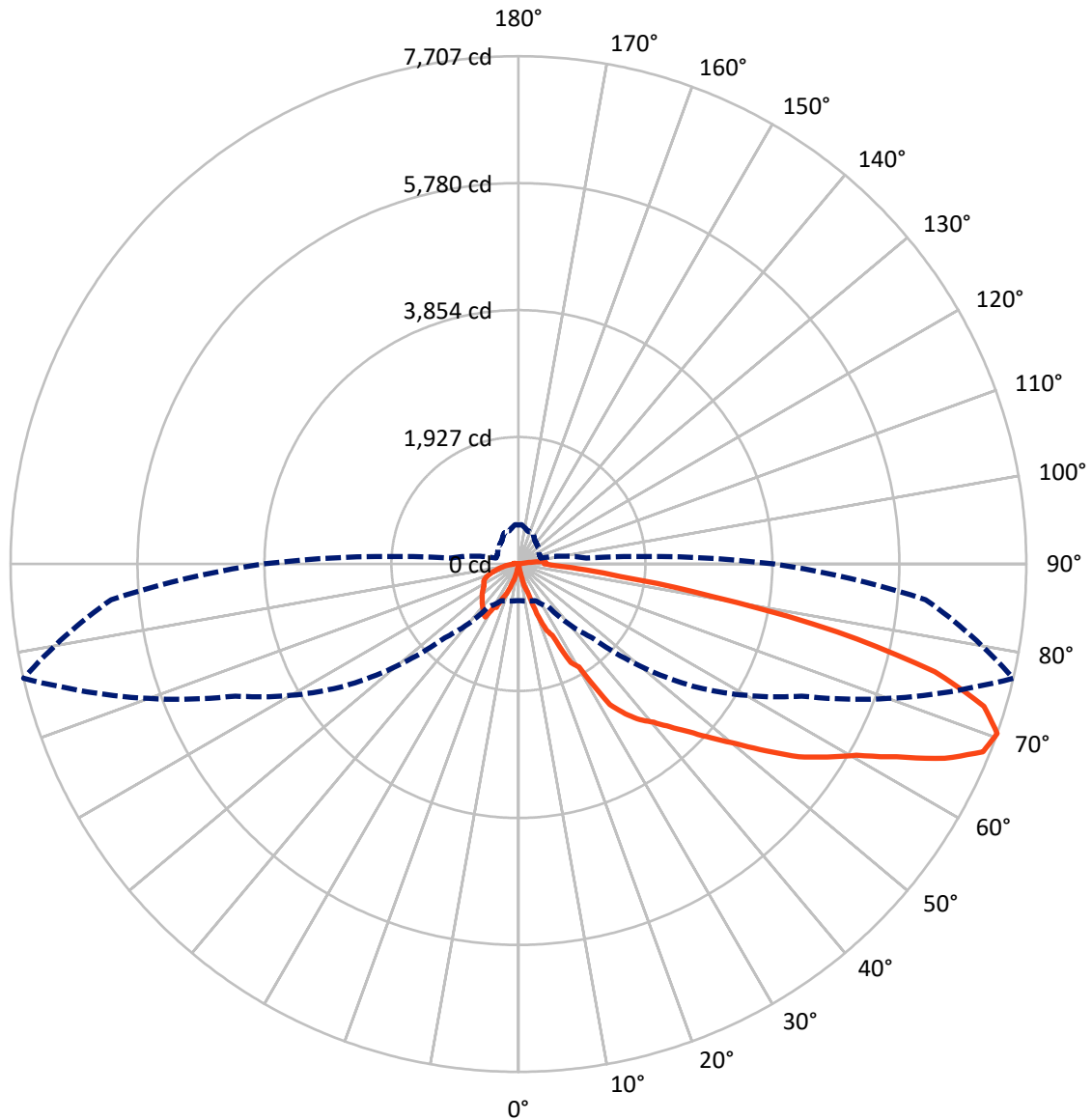
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1489.1	65.3	1554.4
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	7168.3	81.4	7249.7
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	8657.4	146.7	8804.1
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	104.8	1.2
20°-30°	414.9	4.7
30°-40°	1002.0	11.4
40°-50°	1620.7	18.4
50°-60°	1938.4	22.0
60°-70°	1895.5	21.5
70°-80°	1310.4	14.9
80°-90°	363.6	4.1
90°-100°	95.7	1.1
100°-110°	19.6	0.2
110°-120°	10.4	0.1
120°-130°	8.4	0.1
130°-140°	5.7	0.1
140°-150°	4.7	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8657.4	98.3
0°-180°	8804.1	100.0



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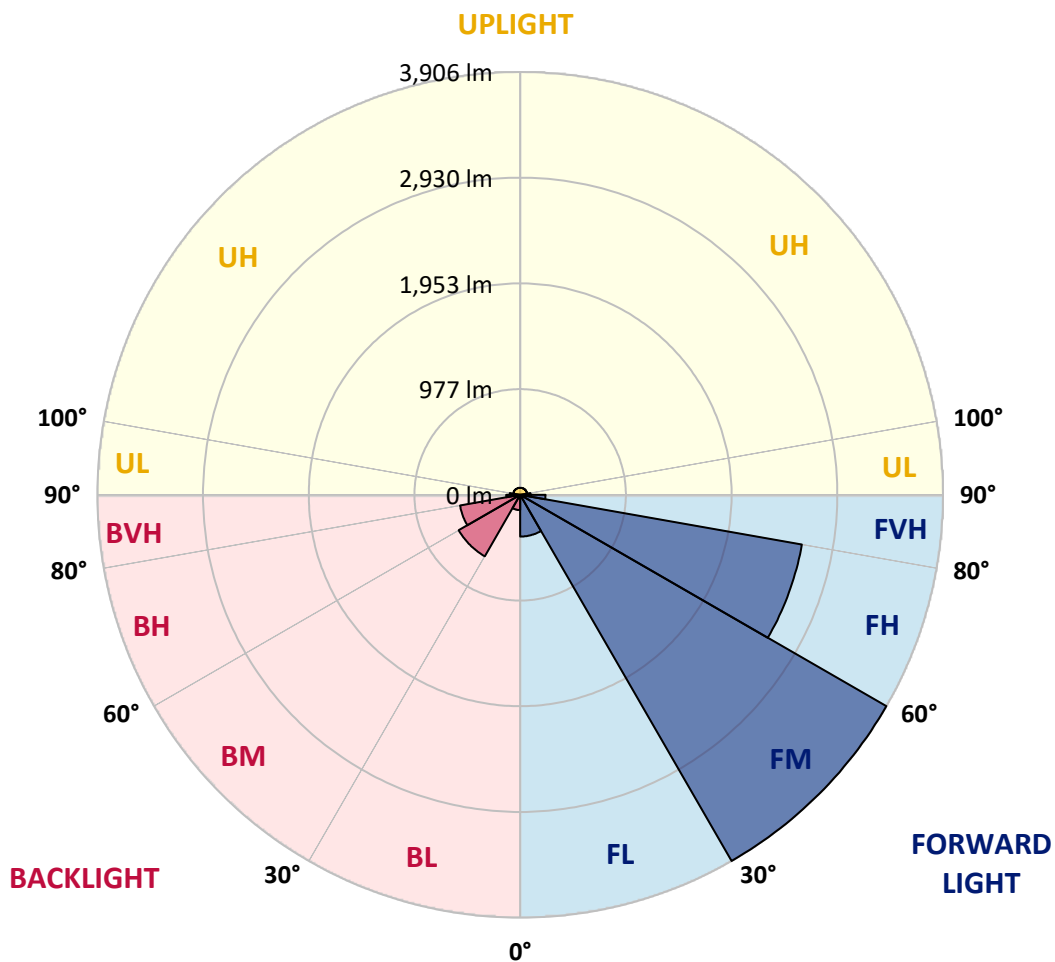
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2R-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.7	4.4			
FM	(30°-60°)	3906.1	44.4			
FH	(60°-80°)	2642.2	30.0			G2/5000
FVH	(80°-90°)	234.3	2.7			G3/500
BL	(0°-30°)	141.0	1.6	B1/500		
BM	(30°-60°)	655.0	7.4	B1/1000		
BH	(60°-80°)	563.7	6.4	B2/1000		G2/1000
BVH	(80°-90°)	129.4	1.5			G2/225
UL	(90°-100°)	95.7	1.1		U3/500	
UH	(100°-180°)	65.3	0.7		U3/500	

**BUG Rating: B2-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	10.9	9.9	9.9	10.9	12.9	11.9	8.9	7.0	6.0	6.0	6.0
5°	215.8	208.8	203.8	144.2	31.8	18.9	11.9	8.9	7.0	7.0	6.0
7.5°	257.5	253.6	251.6	244.6	236.7	220.7	39.8	12.9	8.0	8.0	7.0
10°	291.3	288.4	284.4	280.4	269.5	258.5	236.7	32.8	12.9	12.9	10.9
12.5°	593.6	584.7	576.7	409.7	304.3	292.3	271.5	185.9	141.2	136.2	164.1
15°	609.5	609.5	609.5	614.5	605.5	326.1	444.5	556.8	367.9	356.0	367.9
17.5°	649.3	643.3	633.4	636.4	648.3	719.9	663.2	619.5	490.2	435.5	423.6
20°	971.5	966.5	969.5	898.9	691.1	906.8	900.9	698.0	796.5	807.4	786.5
22.5°	1037.1	1036.1	1033.1	1029.1	1181.3	962.5	1036.1	1097.7	1112.7	1090.8	904.8
25°	1471.6	1460.7	1328.4	1119.6	1265.8	1158.4	1382.1	1217.1	1238.9	1200.2	1146.5
27.5°	1681.4	1658.5	1635.7	1573.0	1359.2	1548.2	1470.6	1604.8	1798.7	1695.3	1458.7
30°	2218.4	2231.3	1861.4	1840.5	1681.4	1641.6	1800.7	1886.2	1888.2	1812.7	1637.7
32.5°	2731.4	2696.6	2610.1	2238.2	2002.6	1838.5	2088.1	2008.5	2470.9	2542.5	2220.3
35°	3234.6	3166.9	2913.4	2660.8	2336.7	2266.1	2237.2	2514.7	2689.7	2792.1	2402.3
37.5°	3951.5	3902.7	3660.1	2999.9	2693.6	2439.1	2623.0	2676.7	2955.2	2998.9	2650.9
40°	4215.0	4182.2	3980.3	3462.3	2973.0	2722.5	2796.1	2871.6	3218.6	3158.0	2837.8
42.5°	4403.9	4392.0	4230.9	3703.9	3337.0	3003.9	2995.9	3034.7	3489.1	3377.7	3024.8
45°	4549.1	4532.2	4436.7	3859.0	3509.0	3177.9	3211.7	3235.6	3726.8	3629.3	3238.5
47.5°	4521.2	4528.2	4541.1	4051.9	3611.4	3347.9	3432.4	3408.6	3920.6	3943.5	3478.2
50°	4307.4	4321.4	4416.8	4129.5	3670.1	3487.1	3623.3	3601.5	4191.1	4286.6	3754.6
52.5°	3672.1	3694.9	4048.9	4009.1	3721.8	3596.5	3819.2	3824.2	4507.3	4710.1	4107.6
55°	2688.7	2775.2	3205.7	3610.4	3665.1	3631.3	3950.5	4106.6	4871.2	5163.6	4422.8
57.5°	2162.7	2144.8	2442.1	3031.7	3384.7	3588.5	4088.7	4358.2	5203.3	5527.5	4738.0
60°	1678.4	1684.4	1904.1	2326.7	2893.5	3483.1	4229.9	4584.9	5612.0	5893.4	5123.8
62.5°	1249.9	1261.8	1420.9	1673.5	2332.7	3188.8	4273.6	4868.2	6179.8	6446.2	5590.1
65°	907.8	927.7	1014.2	1169.3	1685.4	2747.3	4140.4	5080.0	6809.2	7112.4	6088.3
67.5°	682.1	693.0	743.8	838.2	1204.1	2180.6	3811.3	5067.1	7125.4	7602.7	6302.1
70°	554.8	559.8	578.7	612.5	790.5	1581.0	3233.6	4741.0	7193.0	7707.1	6202.6
72.5°	471.3	469.3	470.3	475.3	545.9	1080.8	2497.8	4130.4	6934.5	7389.9	5754.2
75°	402.7	399.7	399.7	394.7	421.6	758.7	1720.2	3334.0	6247.4	6529.8	4847.4
77.5°	343.0	338.1	337.1	327.1	339.1	564.8	1139.5	2482.8	4942.8	4947.8	3436.4
80°	292.3	283.4	279.4	272.4	286.4	430.5	743.8	1619.8	3023.8	2975.0	1907.1
82.5°	215.8	215.8	221.7	223.7	246.6	319.2	525.0	963.5	1650.6	1562.1	1105.7
85°	124.3	135.2	160.1	163.1	188.9	211.8	394.7	570.7	923.7	890.9	566.8
87.5°	45.7	43.8	66.6	70.6	79.5	79.5	214.8	313.2	484.2	504.1	446.5
90°	37.8	37.8	25.9	23.9	30.8	51.7	145.2	219.7	363.9	390.8	421.6
92.5°	39.8	39.8	25.9	22.9	28.8	45.7	122.3	207.8	381.8	418.6	435.5
95°	37.8	38.8	22.9	20.9	26.8	38.8	91.5	178.0	366.9	401.7	425.6
97.5°	32.8	33.8	18.9	17.9	23.9	27.8	49.7	88.5	183.0	189.9	196.9
100°	26.8	26.8	13.9	14.9	18.9	18.9	25.9	46.7	44.7	36.8	31.8
102.5°	22.9	24.9	12.9	11.9	13.9	11.9	11.9	17.9	26.8	22.9	30.8
105°	18.9	20.9	10.9	9.9	10.9	9.9	8.0	12.9	19.9	22.9	32.8
107.5°	12.9	13.9	8.0	8.9	8.9	8.9	6.0	9.9	18.9	21.9	33.8
110°	8.9	8.9	6.0	8.0	8.0	8.9	6.0	9.9	14.9	16.9	26.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.0	6.0	5.0	6.0	7.0	7.0	6.0	8.9	12.9	13.9	18.9
115°	5.0	5.0	4.0	5.0	6.0	6.0	5.0	8.0	12.9	14.9	19.9
117.5°	6.0	5.0	4.0	5.0	6.0	5.0	5.0	7.0	12.9	14.9	19.9
120°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	7.0	12.9	14.9	19.9
122.5°	7.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	11.9	13.9	18.9
125°	7.0	7.0	5.0	5.0	6.0	5.0	5.0	6.0	11.9	12.9	17.9
127.5°	8.0	7.0	6.0	5.0	6.0	5.0	5.0	6.0	10.9	11.9	15.9
130°	8.0	8.0	6.0	5.0	6.0	5.0	5.0	5.0	8.9	9.9	13.9
132.5°	8.0	8.0	7.0	6.0	7.0	6.0	5.0	5.0	7.0	8.0	10.9
135°	8.9	8.0	8.0	7.0	8.0	7.0	5.0	5.0	5.0	6.0	8.0
137.5°	8.9	8.9	8.9	8.0	8.9	7.0	5.0	5.0	5.0	5.0	6.0
140°	10.9	10.9	9.9	8.9	9.9	8.0	6.0	5.0	5.0	5.0	6.0
142.5°	12.9	12.9	11.9	10.9	9.9	8.0	7.0	6.0	6.0	6.0	6.0
145°	14.9	13.9	13.9	11.9	9.9	8.0	7.0	7.0	7.0	7.0	7.0
147.5°	14.9	14.9	13.9	10.9	8.9	6.0	6.0	8.0	8.0	8.0	8.0
150°	13.9	13.9	11.9	9.9	7.0	5.0	5.0	7.0	8.0	8.0	8.0
152.5°	10.9	9.9	8.9	6.0	5.0	3.0	4.0	5.0	6.0	6.0	7.0
155°	7.0	6.0	5.0	4.0	4.0	3.0	3.0	4.0	4.0	4.0	5.0
157.5°	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	1.0	1.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
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°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	6.0	6.0	6.0	6.0	6.0	5.0	6.0	7.0	8.0	8.0	8.0
5°	6.0	6.0	6.0	7.0	7.0	6.0	7.0	8.9	9.9	9.9	9.9
7.5°	7.0	6.0	7.0	8.0	8.0	8.0	34.8	100.4	111.4	113.4	115.3
10°	9.9	9.9	9.9	10.9	11.9	104.4	123.3	129.3	133.2	136.2	137.2
12.5°	151.1	132.2	82.5	21.9	105.4	129.3	136.2	146.2	151.1	157.1	155.1
15°	339.1	300.3	225.7	192.9	188.9	144.2	151.1	251.6	279.4	284.4	283.4
17.5°	383.8	330.1	251.6	268.5	279.4	216.8	254.5	281.4	286.4	291.3	290.3
20°	713.9	568.8	341.1	295.3	292.3	365.9	271.5	280.4	290.3	342.0	348.0
22.5°	792.5	654.3	446.5	432.5	353.0	371.9	354.0	359.0	389.8	389.8	387.8
25°	992.3	791.5	504.1	441.5	448.4	369.9	415.6	359.0	364.9	364.9	365.9
27.5°	1290.6	1017.2	669.2	492.2	443.5	447.4	394.7	363.9	416.6	422.6	425.6
30°	1381.1	1056.0	662.2	549.9	463.4	434.5	368.9	407.7	392.8	392.8	389.8
32.5°	1930.0	1440.8	824.3	537.9	475.3	403.7	408.7	383.8	376.9	407.7	407.7
35°	2038.4	1483.5	795.5	605.5	456.4	420.6	388.8	394.7	381.8	379.8	376.9
37.5°	2162.7	1513.4	730.8	568.8	482.3	403.7	401.7	386.8	369.9	393.8	397.7
40°	2281.0	1542.2	679.1	525.0	445.5	401.7	393.8	385.8	350.0	350.0	349.0
42.5°	2414.2	1561.1	632.4	490.2	409.7	402.7	380.8	356.0	332.1	339.1	337.1
45°	2552.4	1573.0	584.7	451.4	377.8	416.6	381.8	370.9	352.0	355.0	352.0
47.5°	2722.5	1592.9	542.9	413.6	358.0	381.8	360.9	356.0	366.9	357.0	362.9
50°	2903.4	1603.9	504.1	380.8	338.1	370.9	373.9	359.0	366.9	350.0	349.0
52.5°	3120.2	1613.8	462.4	359.0	335.1	368.9	391.8	375.9	361.9	340.1	338.1
55°	3311.1	1582.0	426.6	345.0	355.0	364.9	406.7	387.8	359.0	334.1	335.1
57.5°	3518.9	1541.2	397.7	339.1	351.0	358.0	427.6	404.7	371.9	372.9	373.9
60°	3733.7	1502.4	379.8	338.1	346.0	360.9	430.5	427.6	388.8	397.7	404.7
62.5°	3990.2	1471.6	376.9	345.0	363.9	376.9	433.5	464.4	430.5	434.5	436.5
65°	4191.1	1382.1	373.9	349.0	370.9	379.8	434.5	490.2	475.3	498.2	496.2
67.5°	4129.5	1217.1	368.9	353.0	375.9	395.7	433.5	509.1	507.1	559.8	554.8
70°	3877.9	1034.1	353.0	348.0	377.8	403.7	434.5	514.1	523.0	597.6	592.6
72.5°	3454.3	834.2	324.2	334.1	378.8	413.6	447.4	515.1	525.0	630.4	615.5
75°	2890.5	674.2	281.4	302.3	390.8	419.6	450.4	505.1	505.1	604.6	585.7
77.5°	2080.1	519.0	242.6	274.4	386.8	415.6	441.5	482.3	475.3	523.0	505.1
80°	1212.1	382.8	206.8	269.5	362.9	407.7	416.6	425.6	392.8	403.7	392.8
82.5°	727.8	283.4	179.0	241.6	319.2	366.9	373.9	359.0	315.2	314.2	299.3
85°	436.5	193.9	131.3	186.9	251.6	306.3	314.2	272.4	231.7	255.5	228.7
87.5°	322.2	122.3	90.5	116.3	153.1	143.2	186.9	176.0	150.1	144.2	142.2
90°	290.3	93.5	74.6	94.5	103.4	88.5	95.5	95.5	77.6	76.6	72.6
92.5°	287.4	87.5	79.5	92.5	83.5	70.6	77.6	76.6	61.6	58.7	55.7
95°	268.5	78.6	79.5	83.5	73.6	57.7	62.6	58.7	43.8	40.8	37.8
97.5°	126.3	54.7	75.6	72.6	60.7	44.7	51.7	44.7	30.8	26.8	26.8
100°	29.8	46.7	64.6	65.6	48.7	33.8	35.8	28.8	19.9	16.9	16.9
102.5°	29.8	20.9	39.8	51.7	29.8	13.9	19.9	18.9	14.9	14.9	15.9
105°	29.8	19.9	19.9	33.8	17.9	8.9	8.9	11.9	12.9	16.9	18.9
107.5°	30.8	20.9	15.9	15.9	12.9	8.9	8.0	8.9	12.9	19.9	20.9
110°	25.9	18.9	14.9	13.9	12.9	8.9	7.0	8.9	12.9	21.9	23.9



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CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.9	16.9	12.9	12.9	10.9	8.9	7.0	8.0	13.9	23.9	25.9
115°	18.9	15.9	11.9	10.9	8.9	8.0	7.0	8.0	14.9	25.9	27.8
117.5°	19.9	15.9	10.9	9.9	8.0	6.0	6.0	8.0	14.9	26.8	28.8
120°	19.9	15.9	10.9	9.9	8.0	6.0	6.0	8.9	15.9	25.9	27.8
122.5°	18.9	15.9	10.9	9.9	8.0	5.0	6.0	8.0	14.9	24.9	26.8
125°	16.9	14.9	10.9	8.9	8.0	5.0	6.0	8.0	14.9	23.9	24.9
127.5°	15.9	13.9	9.9	8.9	7.0	5.0	6.0	8.0	13.9	21.9	22.9
130°	13.9	12.9	8.9	8.0	7.0	5.0	6.0	8.0	13.9	19.9	20.9
132.5°	10.9	9.9	8.0	7.0	7.0	5.0	6.0	7.0	10.9	16.9	17.9
135°	8.0	8.0	7.0	7.0	7.0	5.0	6.0	6.0	8.9	12.9	13.9
137.5°	6.0	6.0	6.0	7.0	6.0	5.0	5.0	6.0	8.0	9.9	10.9
140°	6.0	6.0	6.0	7.0	6.0	5.0	5.0	6.0	7.0	8.0	8.9
142.5°	6.0	6.0	6.0	7.0	6.0	4.0	5.0	6.0	7.0	8.0	8.0
145°	7.0	7.0	7.0	7.0	6.0	4.0	4.0	6.0	7.0	8.0	8.0
147.5°	8.0	8.0	7.0	7.0	6.0	3.0	3.0	6.0	7.0	8.0	8.0
150°	8.0	8.0	7.0	7.0	5.0	3.0	3.0	5.0	7.0	7.0	7.0
152.5°	6.0	6.0	6.0	6.0	5.0	2.0	2.0	4.0	6.0	6.0	6.0
155°	5.0	5.0	5.0	5.0	4.0	2.0	1.0	3.0	5.0	5.0	5.0
157.5°	3.0	4.0	4.0	5.0	4.0	2.0	1.0	2.0	4.0	4.0	4.0
160°	2.0	3.0	3.0	4.0	4.0	2.0	1.0	2.0	3.0	3.0	3.0
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)