

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: P413746

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8244 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

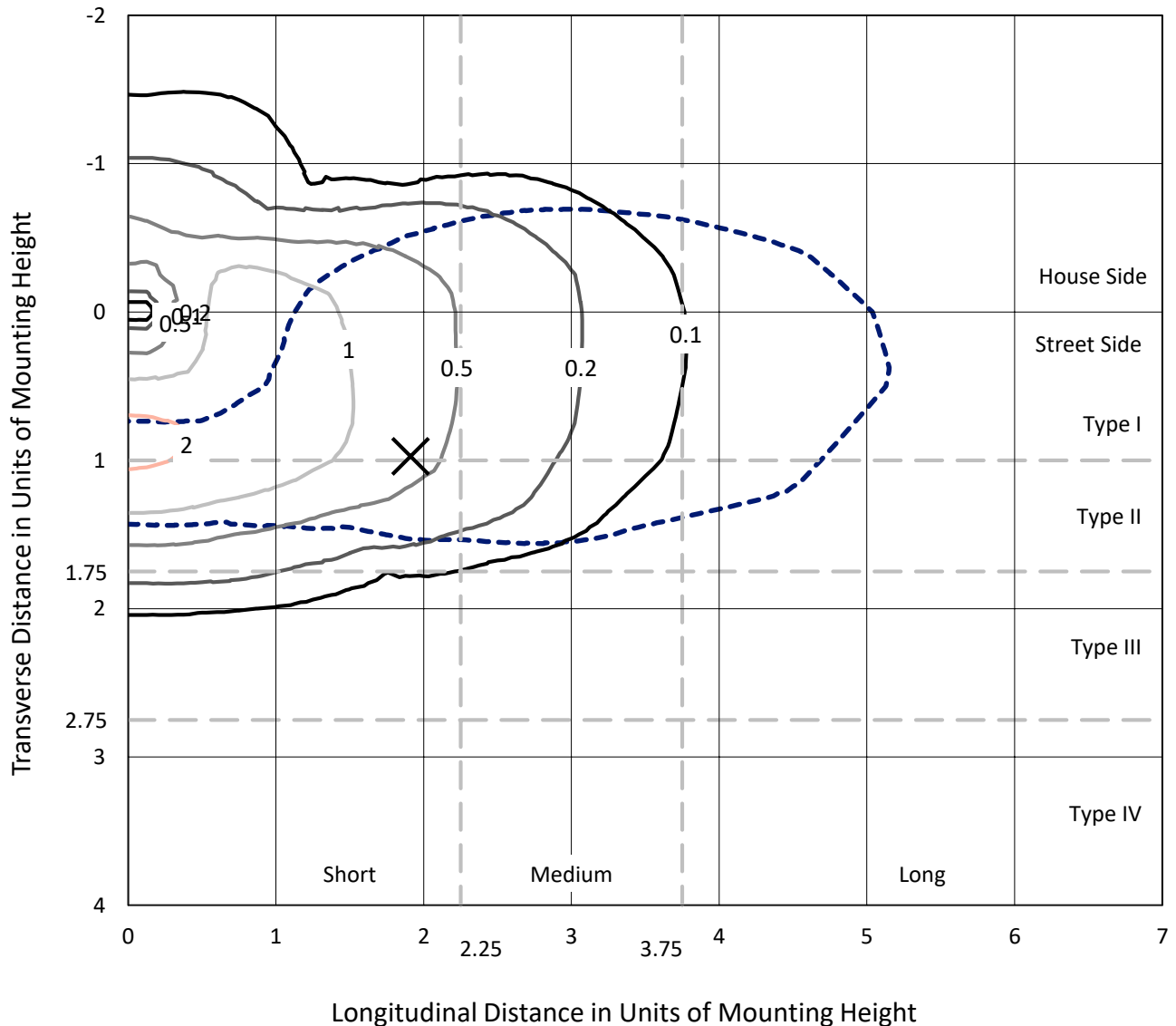
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

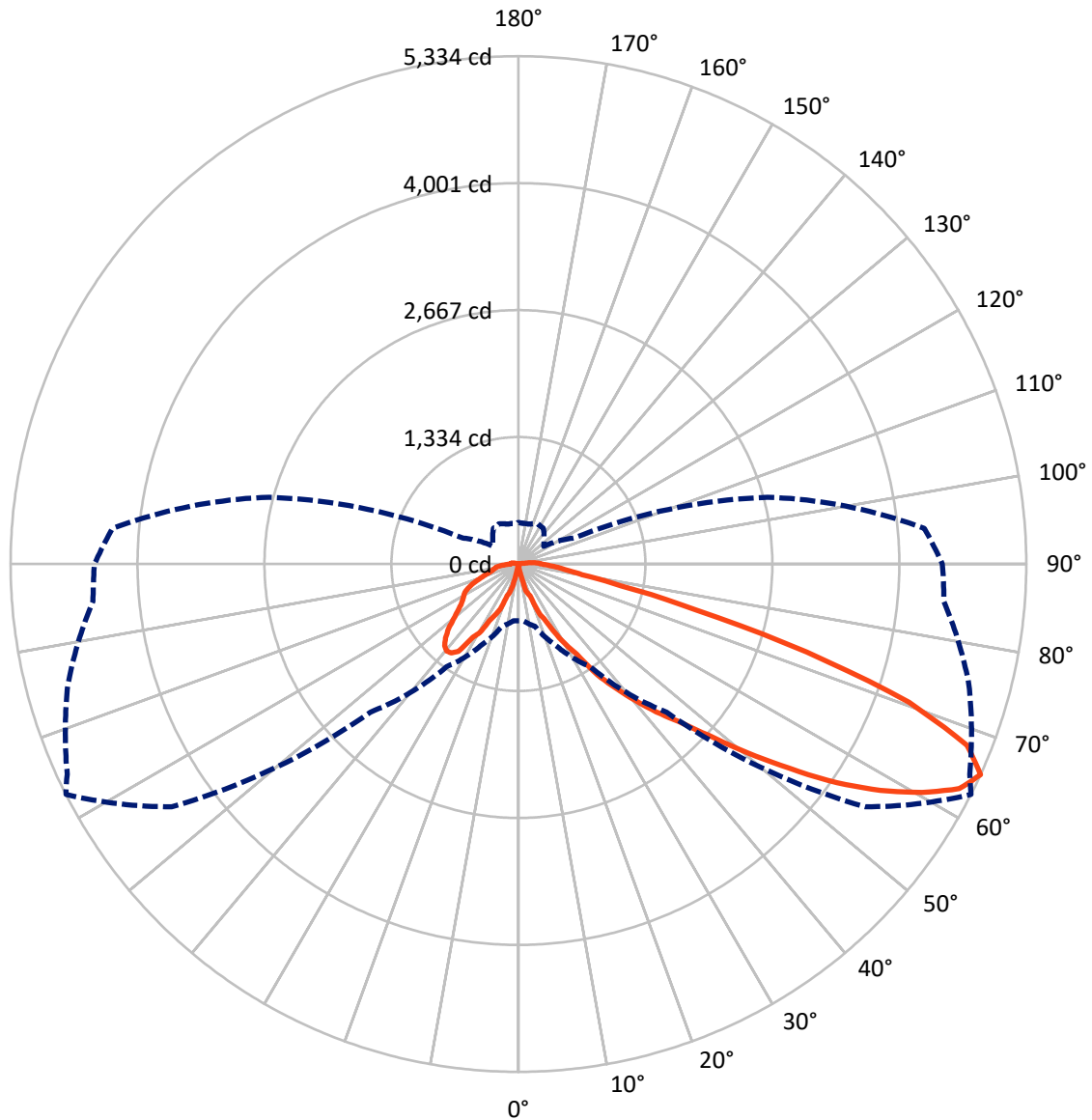
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2346.1	68.1	2414.3
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	5766.3	63.4	5829.8
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	8112.5	131.6	8244.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	74.1	0.9
20°-30°	302.9	3.7
30°-40°	786.9	9.5
40°-50°	1496.4	18.2
50°-60°	2014.4	24.4
60°-70°	1908.3	23.1
70°-80°	1195.8	14.5
80°-90°	328.4	4.0
90°-100°	91.9	1.1
100°-110°	17.1	0.2
110°-120°	8.3	0.1
120°-130°	6.0	0.1
130°-140°	3.9	0.0
140°-150°	3.2	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8112.5	98.4
0°-180°	8244.0	100.0



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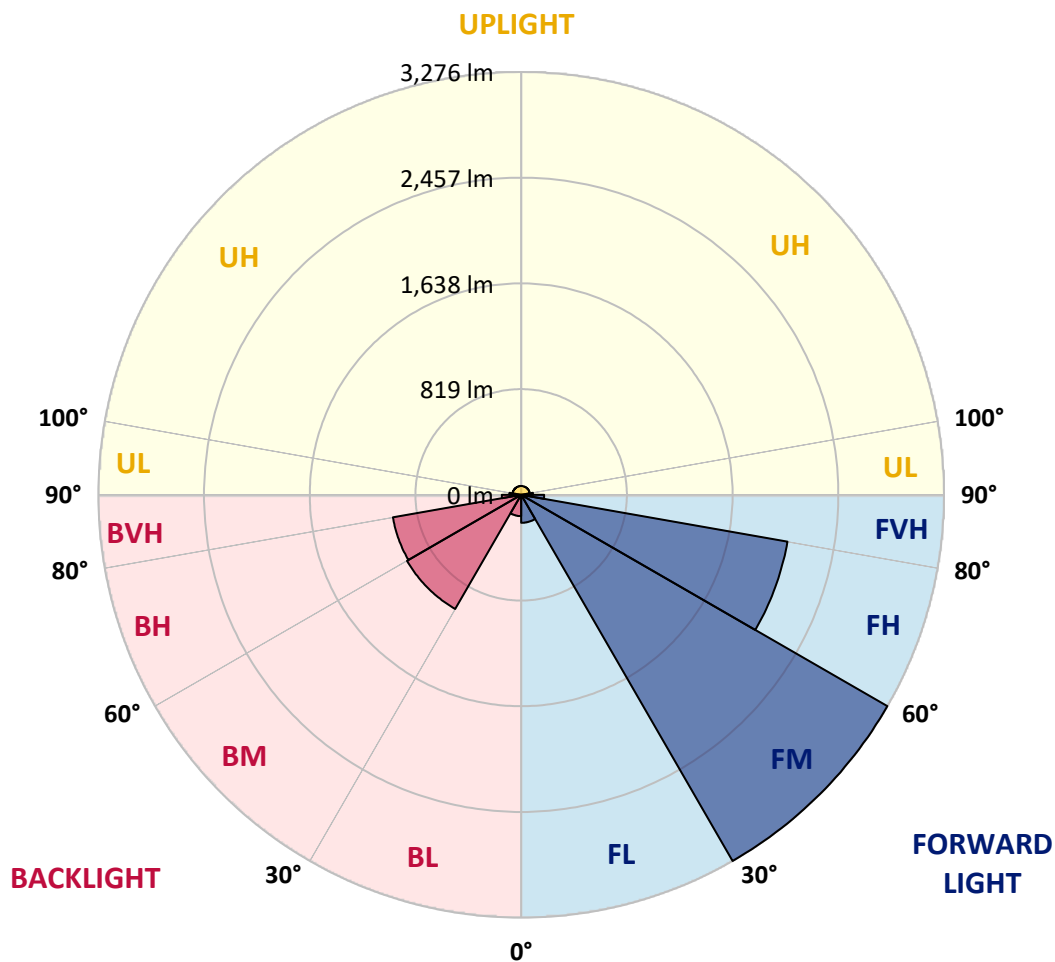
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.0	2.6			
FM (30°-60°)	3276.3	39.7			
FH (60°-80°)	2095.0	25.4			G2/5000
FVH (80°-90°)	178.1	2.2			G2/225
BL (0°-30°)	165.2	2.0	B1/500		
BM (30°-60°)	1021.5	12.4	B2/2500		
BH (60°-80°)	1009.2	12.2	B3/2500		G3/2500
BVH (80°-90°)	150.3	1.8			G2/225
UL (90°-100°)	91.9	1.1		U3/500	
UH (100°-180°)	68.1	0.8		U3/500	

**BUG Rating: B3-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	11.0	10.0	11.0	11.0	10.0	9.1	8.2	7.3	6.4	4.6	3.7
5°	128.7	129.7	127.8	125.1	44.7	20.1	11.9	9.1	8.2	5.5	4.6
7.5°	147.9	147.0	146.1	144.3	137.9	129.7	70.3	16.4	12.8	7.3	4.6
10°	162.5	160.7	156.1	155.2	148.8	144.3	133.3	85.8	72.1	12.8	9.1
12.5°	295.8	289.4	284.0	234.7	164.3	155.2	148.8	129.7	126.9	81.3	121.4
15°	309.5	310.4	306.8	301.3	288.5	193.6	241.0	292.2	291.3	252.0	248.4
17.5°	351.5	348.8	335.1	321.4	316.8	344.2	341.5	326.0	326.0	288.5	273.0
20°	543.3	538.7	530.5	441.9	393.5	444.7	417.3	363.4	365.2	445.6	483.9
22.5°	629.1	627.3	610.8	571.6	557.0	490.3	549.7	568.8	557.9	564.3	540.5
25°	861.0	851.9	779.7	710.4	718.6	662.0	661.1	649.2	642.8	614.5	657.4
27.5°	1095.7	1088.4	1071.9	974.2	830.0	798.0	746.9	815.4	797.1	862.8	877.4
30°	1451.8	1385.1	1246.3	1180.6	1133.1	980.6	966.0	987.0	981.5	963.3	946.8
32.5°	1822.5	1795.1	1713.8	1473.7	1323.0	1235.4	1192.4	1127.6	1097.5	1293.8	1307.5
35°	2209.6	2184.0	1985.0	1845.3	1586.9	1444.5	1420.7	1429.8	1389.7	1485.5	1462.7
37.5°	2890.7	2877.9	2678.0	2244.3	1974.0	1695.5	1662.7	1651.7	1588.7	1658.1	1659.0
40°	3328.1	3307.1	3086.1	2766.6	2331.0	2099.1	1939.3	1876.3	1859.9	1863.5	1864.5
42.5°	3653.1	3619.3	3490.6	3196.6	2741.9	2469.8	2244.3	2122.8	2155.7	2091.8	2088.2
45°	3864.0	3845.8	3728.9	3483.3	3168.3	3033.2	2634.2	2360.2	2470.7	2356.6	2351.1
47.5°	3911.5	3903.3	3822.0	3698.8	3567.3	3510.7	3104.4	2685.3	2786.6	2736.4	2634.2
50°	3705.2	3712.5	3682.3	3727.1	3870.4	3935.3	3600.2	3116.3	3171.9	3052.3	2921.8
52.5°	3254.1	3253.2	3362.8	3560.9	3981.8	4241.1	4059.4	3564.6	3561.8	3345.4	3197.5
55°	2612.2	2661.5	2846.9	3154.6	3829.3	4381.7	4495.0	4057.6	3980.9	3687.8	3443.1
57.5°	1990.5	2054.4	2281.7	2561.1	3395.6	4282.2	4811.8	4485.8	4406.4	3996.4	3703.3
60°	1346.8	1371.4	1658.1	1981.3	2700.8	3899.6	4960.6	4872.1	4784.4	4311.4	3966.3
62.5°	897.5	919.4	1083.8	1477.3	1936.6	3169.2	4864.7	5198.0	5082.1	4684.0	4241.1
65°	597.1	597.1	678.4	950.5	1317.5	2200.5	4444.7	5334.1	5229.1	4899.4	4484.9
67.5°	440.1	447.4	473.9	612.7	897.5	1316.6	3535.3	5083.0	5093.9	4924.1	4562.5
70°	399.0	403.6	426.4	462.0	641.0	783.4	2336.5	4354.4	4543.4	4737.8	4463.0
72.5°	348.8	350.6	387.1	425.5	504.9	600.8	1358.6	3164.6	3561.8	4332.4	4189.1
75°	292.2	294.9	324.1	381.7	436.4	504.0	723.1	1926.5	2321.9	3719.8	3826.6
77.5°	237.4	243.8	267.5	312.3	400.8	422.7	555.1	1101.1	1344.9	2770.2	3234.9
80°	182.6	189.0	210.0	245.6	327.8	373.4	461.1	677.5	815.4	1722.0	2260.7
82.5°	125.1	129.7	150.7	177.1	234.7	311.4	381.7	499.4	539.6	942.3	1247.2
85°	88.6	91.3	105.0	116.9	146.1	204.5	318.7	396.3	407.2	499.4	507.7
87.5°	50.2	49.3	51.1	59.3	66.7	79.4	188.1	290.4	304.0	347.9	323.2
90°	34.7	33.8	28.3	27.4	31.0	33.8	106.8	231.0	242.9	280.3	287.6
92.5°	36.5	34.7	27.4	25.6	29.2	31.0	71.2	201.8	227.4	280.3	295.8
95°	34.7	32.9	24.7	21.9	26.5	27.4	43.8	138.8	179.0	262.0	289.4
97.5°	30.1	28.3	20.1	18.3	21.9	21.9	24.7	63.9	87.7	122.3	137.9
100°	24.7	22.8	16.4	14.6	15.5	16.4	15.5	32.0	32.0	33.8	26.5
102.5°	21.9	21.0	13.7	11.9	11.0	11.0	10.0	15.5	16.4	18.3	22.8
105°	19.2	18.3	11.9	10.0	8.2	8.2	7.3	10.0	11.0	15.5	21.9
107.5°	13.7	13.7	10.0	8.2	7.3	7.3	5.5	8.2	9.1	13.7	22.8
110°	9.1	9.1	7.3	7.3	6.4	7.3	5.5	8.2	8.2	11.0	17.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	7.3	7.3	6.4	5.5	4.6	5.5	6.4	7.3	7.3	8.2	11.0
115°	7.3	6.4	5.5	4.6	3.7	4.6	4.6	6.4	6.4	8.2	11.0
117.5°	7.3	7.3	5.5	4.6	3.7	3.7	4.6	5.5	5.5	8.2	11.9
120°	7.3	7.3	5.5	4.6	3.7	2.7	3.7	5.5	5.5	7.3	11.0
122.5°	7.3	7.3	5.5	4.6	3.7	2.7	3.7	4.6	4.6	6.4	11.0
125°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	3.7	3.7	6.4	10.0
127.5°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	3.7	3.7	5.5	8.2
130°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	2.7	2.7	4.6	7.3
132.5°	8.2	7.3	6.4	5.5	4.6	3.7	3.7	2.7	2.7	2.7	5.5
135°	7.3	7.3	6.4	5.5	4.6	3.7	3.7	2.7	2.7	2.7	3.7
137.5°	7.3	7.3	7.3	6.4	5.5	4.6	3.7	2.7	2.7	2.7	2.7
140°	8.2	8.2	8.2	7.3	5.5	4.6	3.7	2.7	2.7	2.7	2.7
142.5°	9.1	9.1	9.1	8.2	5.5	4.6	4.6	2.7	2.7	2.7	2.7
145°	10.0	10.0	10.0	8.2	5.5	4.6	4.6	3.7	3.7	2.7	3.7
147.5°	11.0	11.0	10.0	8.2	4.6	3.7	3.7	3.7	3.7	3.7	3.7
150°	10.0	9.1	9.1	6.4	3.7	1.8	2.7	2.7	2.7	3.7	3.7
152.5°	7.3	7.3	6.4	4.6	2.7	0.9	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	3.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	3.7	3.7	4.6	5.5	5.5	6.4	6.4	6.4	6.4	6.4	6.4
5°	3.7	3.7	4.6	5.5	6.4	7.3	8.2	8.2	8.2	9.1	9.1
7.5°	4.6	4.6	4.6	6.4	7.3	10.0	27.4	82.2	126.9	130.6	132.4
10°	9.1	9.1	9.1	9.1	20.1	116.9	145.2	151.6	155.2	158.0	158.0
12.5°	122.3	121.4	43.8	21.9	100.4	151.6	160.7	165.3	168.9	171.7	172.6
15°	248.4	249.3	249.3	252.0	182.6	165.3	174.4	257.5	305.0	314.1	317.7
17.5°	272.1	272.1	271.2	302.2	339.7	268.4	299.5	326.9	336.0	340.6	342.4
20°	496.7	495.8	399.9	347.0	358.8	445.6	335.1	347.9	355.2	423.7	425.5
22.5°	547.8	545.1	533.2	536.0	422.7	482.1	459.3	445.6	488.5	486.7	488.5
25°	672.9	607.2	581.6	576.1	612.7	501.3	532.3	461.1	472.0	470.2	472.0
27.5°	881.1	857.4	798.0	674.7	652.8	619.1	533.2	483.9	544.2	557.9	559.7
30°	945.0	914.9	851.9	857.4	727.7	630.0	519.5	536.0	515.0	513.1	509.5
32.5°	1295.6	1256.4	1161.4	935.0	810.8	591.7	522.3	487.6	498.5	535.0	536.9
35°	1443.5	1398.8	1332.1	1193.4	786.1	580.7	477.5	475.7	483.0	483.9	482.1
37.5°	1611.5	1553.1	1490.1	1257.3	820.8	525.9	445.6	446.5	462.9	494.9	491.2
40°	1806.9	1742.1	1639.8	1294.7	736.8	493.0	424.6	438.3	455.6	448.3	441.9
42.5°	2027.0	1921.1	1760.4	1287.4	641.0	454.7	419.1	428.2	425.5	411.8	408.1
45°	2254.3	2142.0	1878.2	1226.2	554.2	430.0	409.0	411.8	400.8	383.5	379.8
47.5°	2516.4	2368.5	1944.8	1136.8	484.8	428.2	406.3	397.2	376.2	360.7	359.7
50°	2780.2	2618.6	2048.9	1017.1	432.8	420.9	412.7	393.5	368.0	352.4	350.6
52.5°	3038.6	2897.1	2161.2	916.7	393.5	412.7	415.4	395.4	368.0	345.1	344.2
55°	3297.9	3173.8	2282.6	837.3	367.0	411.8	425.5	400.8	373.4	339.7	338.7
57.5°	3558.2	3437.6	2399.5	784.3	355.2	399.9	431.9	418.2	388.0	359.7	361.6
60°	3866.8	3724.3	2537.4	746.9	350.6	393.5	437.4	438.3	397.2	365.2	369.8
62.5°	4169.9	4025.7	2654.2	712.2	338.7	387.1	440.1	453.8	417.3	389.9	394.4
65°	4452.0	4280.4	2708.1	645.5	324.1	379.8	456.5	467.5	432.8	430.0	435.5
67.5°	4559.8	4400.0	2655.2	562.4	315.0	379.8	473.9	486.7	449.2	463.8	478.4
70°	4455.7	4322.4	2521.9	458.4	317.7	382.6	476.6	495.8	473.0	484.8	497.6
72.5°	4132.5	3962.7	2197.7	368.9	317.7	378.9	464.7	481.2	463.8	503.1	515.9
75°	3724.3	3428.5	1749.4	304.0	308.6	377.1	437.4	456.5	439.2	480.3	494.0
77.5°	3076.1	2697.2	1209.8	268.4	295.8	360.7	409.0	412.7	395.4	420.0	426.4
80°	2169.4	1817.9	766.1	242.9	283.0	326.0	362.5	356.1	338.7	343.3	348.8
82.5°	1209.8	961.4	446.5	223.7	265.7	271.2	296.7	298.6	275.7	276.7	277.6
85°	480.3	444.7	302.2	188.1	214.6	195.4	221.9	231.0	209.1	183.5	178.0
87.5°	318.7	302.2	210.9	128.7	131.5	110.5	144.3	149.7	123.3	106.8	105.9
90°	303.1	294.0	181.7	86.7	73.0	60.3	80.3	77.6	59.3	52.0	53.0
92.5°	312.3	306.8	184.4	83.1	71.2	57.5	71.2	61.2	44.7	39.3	40.2
95°	307.7	305.0	179.9	81.3	67.6	53.0	60.3	49.3	34.7	31.0	31.0
97.5°	146.1	154.3	111.4	73.0	60.3	44.7	46.6	37.4	24.7	22.8	21.9
100°	21.9	34.7	60.3	67.6	44.7	31.0	30.1	24.7	15.5	14.6	14.6
102.5°	22.8	24.7	37.4	46.6	24.7	16.4	16.4	14.6	11.9	13.7	13.7
105°	24.7	22.8	21.9	25.6	14.6	10.0	9.1	9.1	10.0	14.6	15.5
107.5°	26.5	24.7	17.3	13.7	11.0	9.1	7.3	6.4	9.1	15.5	16.4
110°	20.1	19.2	14.6	11.0	11.0	10.0	6.4	6.4	10.0	16.4	18.3



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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	13.7	12.8	10.0	9.1	9.1	6.4	6.4	10.0	17.3	19.2
115°	12.8	12.8	11.0	8.2	7.3	7.3	6.4	5.5	10.0	18.3	19.2
117.5°	12.8	12.8	11.0	8.2	6.4	5.5	5.5	5.5	10.0	18.3	19.2
120°	12.8	12.8	11.0	7.3	6.4	5.5	5.5	5.5	10.0	17.3	19.2
122.5°	11.9	11.9	10.0	7.3	5.5	5.5	5.5	5.5	10.0	16.4	17.3
125°	11.0	11.0	9.1	6.4	5.5	4.6	5.5	5.5	9.1	14.6	15.5
127.5°	9.1	10.0	8.2	6.4	5.5	4.6	5.5	5.5	8.2	12.8	13.7
130°	8.2	8.2	7.3	5.5	4.6	4.6	5.5	5.5	8.2	11.9	12.8
132.5°	6.4	6.4	5.5	5.5	4.6	4.6	4.6	4.6	6.4	10.0	10.0
135°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	8.2
137.5°	3.7	3.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.4	6.4
140°	2.7	3.7	3.7	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	2.7	3.7	3.7	4.6	4.6	4.6	4.6	4.6	5.5	6.4	6.4
145°	3.7	3.7	4.6	4.6	4.6	3.7	4.6	4.6	5.5	6.4	6.4
147.5°	3.7	3.7	4.6	4.6	4.6	3.7	3.7	4.6	5.5	6.4	6.4
150°	3.7	3.7	4.6	4.6	3.7	2.7	3.7	3.7	4.6	6.4	6.4
152.5°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	4.6	4.6
155°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	3.7
157.5°	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8
160°	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
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)