

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: P413798

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413798  
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-PA1-100-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 8978 lumens  
Efficiency: N/A  
Efficacy: 93.5 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

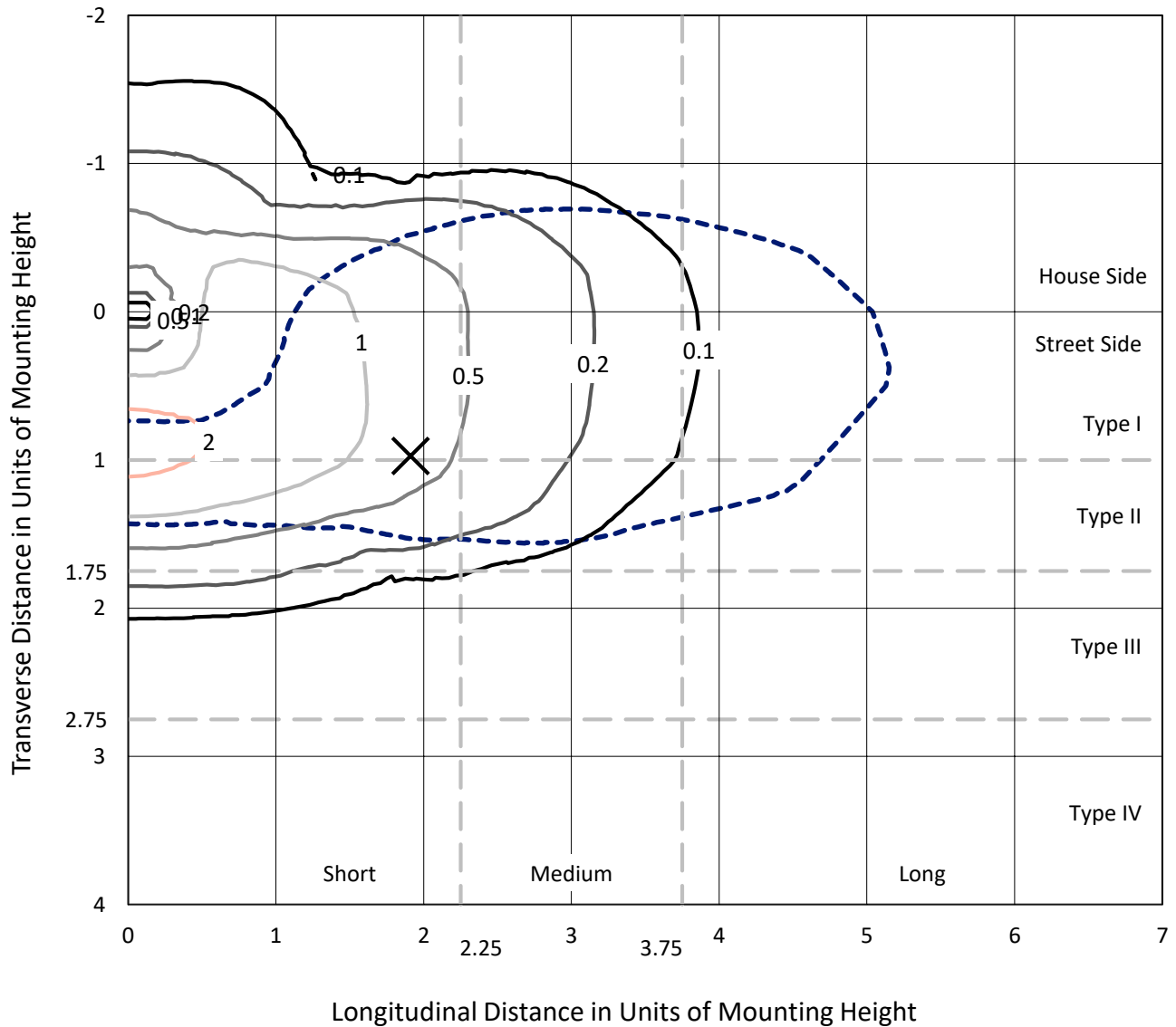
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

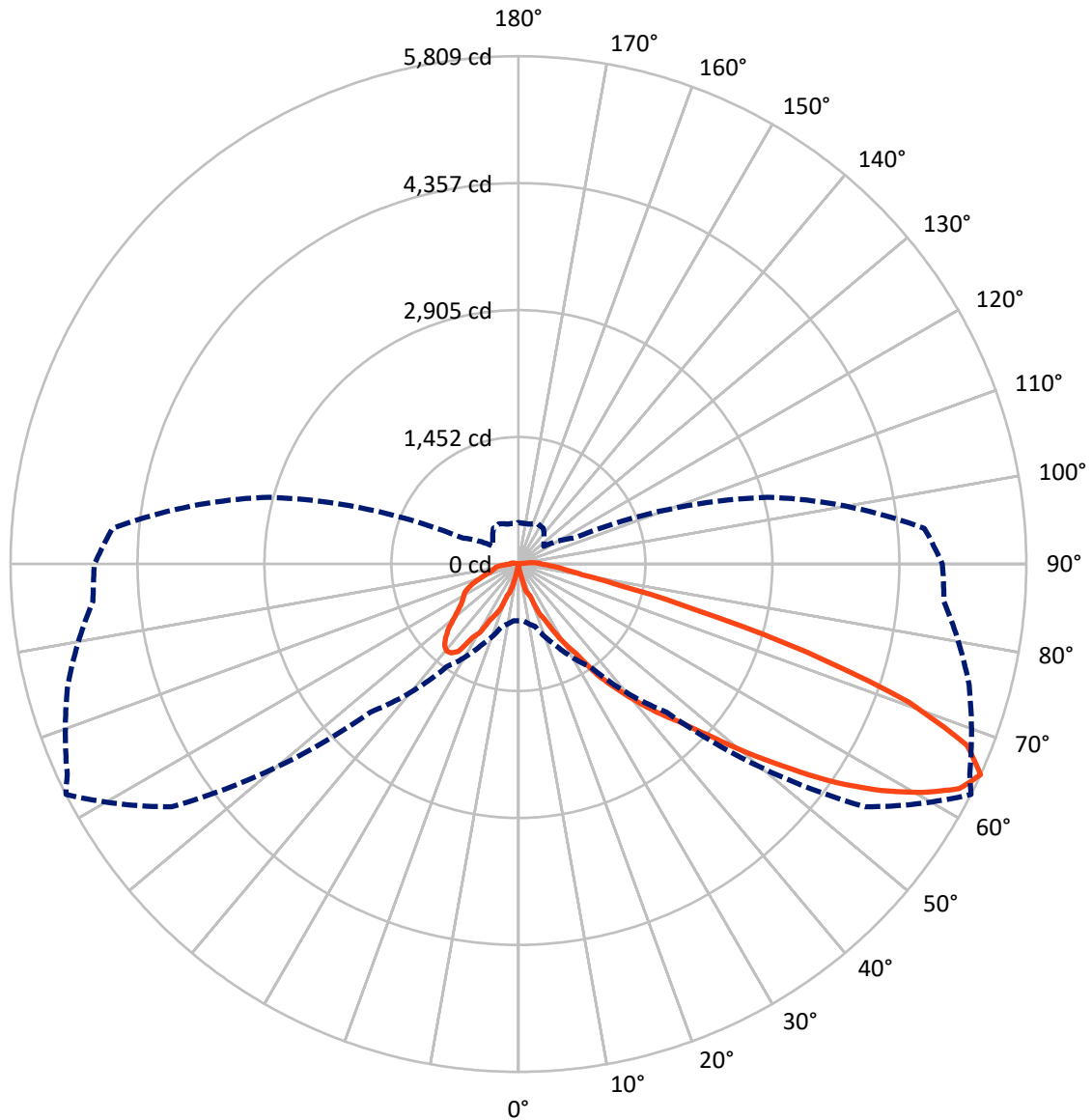
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	2555.0	74.2	2629.2
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	6279.7	69.1	6348.8
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	8834.8	143.3	8978.0
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	80.6	0.9
20°-30°	329.9	3.7
30°-40°	857.0	9.5
40°-50°	1629.6	18.2
50°-60°	2193.8	24.4
60°-70°	2078.2	23.1
70°-80°	1302.3	14.5
80°-90°	357.6	4.0
90°-100°	100.1	1.1
100°-110°	18.6	0.2
110°-120°	9.0	0.1
120°-130°	6.6	0.1
130°-140°	4.3	0.0
140°-150°	3.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8834.8	98.4
0°-180°	8978.0	100.0



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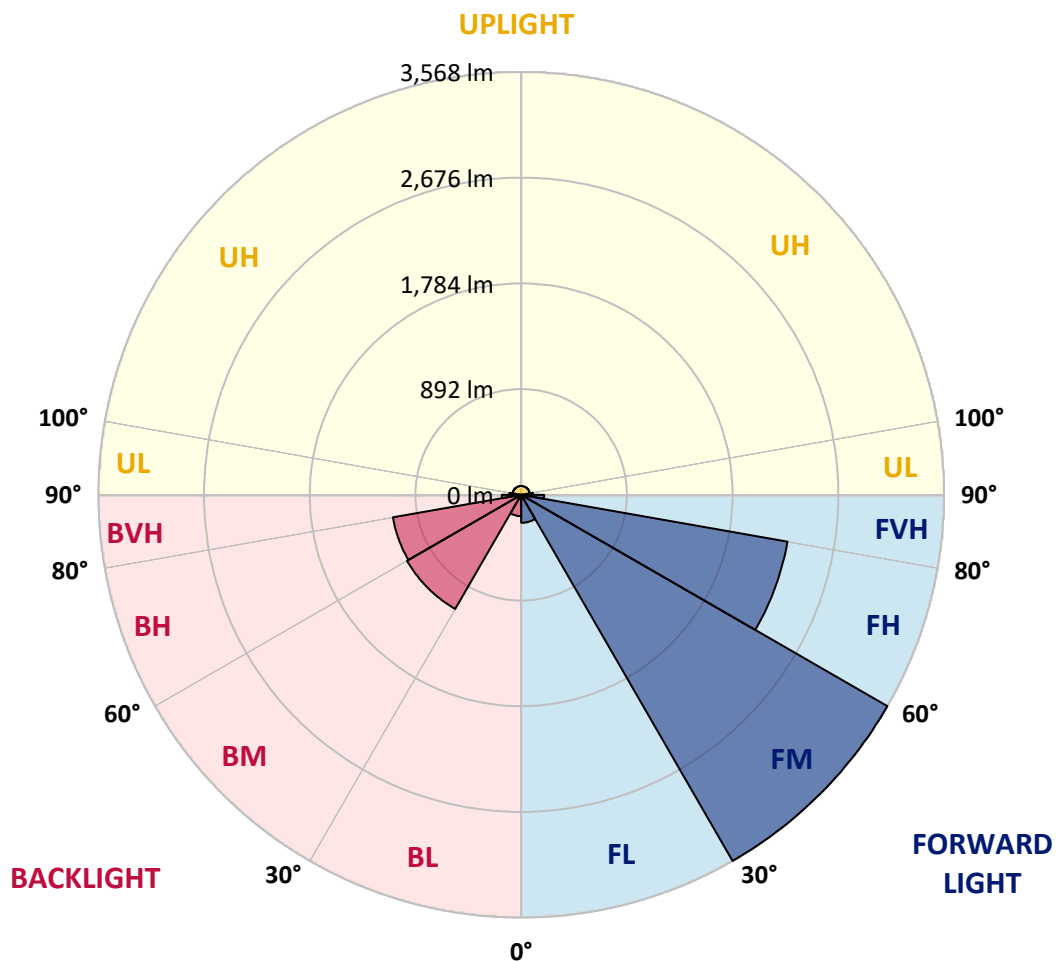
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2U-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.3	2.6			
FM	(30°-60°)	3568.0	39.7			
FH	(60°-80°)	2281.5	25.4			G2/5000
FVH	(80°-90°)	194.0	2.2			G2/225
BL	(0°-30°)	179.9	2.0	B1/500		
BM	(30°-60°)	1112.4	12.4	B2/2500		
BH	(60°-80°)	1099.0	12.2	B3/2500		G3/2500
BVH	(80°-90°)	163.6	1.8			G2/225
UL	(90°-100°)	100.1	1.1		U3/500	
UH	(100°-180°)	74.2	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°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	11.9	10.9	11.9	11.9	10.9	9.9	8.9	8.0	7.0	5.0	4.0
5°	140.2	141.2	139.2	136.2	48.7	21.9	12.9	9.9	8.9	6.0	5.0
7.5°	161.1	160.1	159.1	157.1	150.1	141.2	76.6	17.9	13.9	8.0	5.0
10°	177.0	175.0	170.0	169.0	162.1	157.1	145.2	93.5	78.6	13.9	9.9
12.5°	322.2	315.2	309.2	255.5	179.0	169.0	162.1	141.2	138.2	88.5	132.2
15°	337.1	338.1	334.1	328.1	314.2	210.8	262.5	318.2	317.2	274.4	270.5
17.5°	382.8	379.8	364.9	350.0	345.0	374.9	371.9	355.0	355.0	314.2	297.3
20°	591.6	586.7	577.7	481.3	428.6	484.2	454.4	395.7	397.7	485.2	527.0
22.5°	685.1	683.1	665.2	622.5	606.6	534.0	598.6	619.5	607.5	614.5	588.7
25°	937.7	927.7	849.2	773.6	782.6	720.9	719.9	707.0	700.0	669.2	715.9
27.5°	1193.2	1185.3	1167.4	1061.0	903.9	869.1	813.4	888.0	868.1	939.7	955.6
30°	1581.0	1508.4	1357.3	1285.7	1234.0	1067.9	1052.0	1074.9	1068.9	1049.0	1031.1
32.5°	1984.7	1954.9	1866.4	1604.9	1440.8	1345.4	1298.6	1228.0	1195.2	1409.0	1423.9
35°	2406.3	2378.5	2161.7	2009.6	1728.2	1573.1	1547.2	1557.1	1513.4	1617.8	1592.9
37.5°	3148.1	3134.2	2916.4	2444.1	2149.8	1846.5	1810.7	1798.8	1730.2	1805.7	1806.7
40°	3624.4	3601.5	3360.9	3012.9	2538.6	2286.0	2112.0	2043.4	2025.5	2029.5	2030.5
42.5°	3978.4	3941.6	3801.4	3481.2	2986.0	2689.7	2444.1	2311.9	2347.7	2278.0	2274.1
45°	4208.1	4188.2	4060.9	3793.4	3450.4	3303.2	2868.7	2570.4	2690.7	2566.4	2560.4
47.5°	4259.8	4250.8	4162.3	4028.1	3884.9	3823.3	3380.8	2924.4	3034.7	2980.1	2868.7
50°	4035.1	4043.0	4010.2	4058.9	4215.0	4285.6	3920.7	3393.7	3454.4	3324.1	3181.9
52.5°	3543.9	3542.9	3662.2	3878.0	4336.3	4618.7	4420.9	3881.9	3878.9	3643.3	3482.2
55°	2844.8	2898.5	3100.4	3435.5	4170.3	4771.9	4895.2	4418.9	4335.3	4016.2	3749.7
57.5°	2167.7	2237.3	2484.9	2789.1	3698.0	4663.5	5240.2	4885.2	4798.7	4352.3	4033.1
60°	1466.7	1493.5	1805.7	2157.7	2941.3	4246.9	5402.3	5305.8	5210.4	4695.3	4319.4
62.5°	977.4	1001.3	1180.3	1608.9	2109.0	3451.4	5297.9	5660.8	5534.5	5101.0	4618.7
65°	650.3	650.3	738.8	1035.1	1434.8	2396.4	4840.5	5809.0	5694.6	5335.7	4884.2
67.5°	479.3	487.2	516.1	667.2	977.4	1433.8	3850.1	5535.5	5547.5	5362.5	4968.7
70°	434.5	439.5	464.4	503.1	698.0	853.1	2544.5	4742.0	4947.9	5159.7	4860.4
72.5°	379.8	381.8	421.6	463.4	549.9	654.3	1479.6	3446.4	3878.9	4718.2	4562.1
75°	318.2	321.2	353.0	415.6	475.3	548.9	787.5	2098.1	2528.6	4051.0	4167.3
77.5°	258.5	265.5	291.3	340.1	436.5	460.4	604.6	1199.2	1464.7	3016.8	3523.0
80°	198.9	205.8	228.7	267.5	357.0	406.7	502.1	737.8	888.0	1875.3	2462.0
82.5°	136.2	141.2	164.1	192.9	255.5	339.1	415.6	543.9	587.7	1026.2	1358.3
85°	96.5	99.4	114.3	127.3	159.1	222.7	347.0	431.5	443.5	543.9	552.9
87.5°	54.7	53.7	55.7	64.6	72.6	86.5	204.8	316.2	331.1	378.8	352.0
90°	37.8	36.8	30.8	29.8	33.8	36.8	116.3	251.6	264.5	305.3	313.2
92.5°	39.8	37.8	29.8	27.8	31.8	33.8	77.6	219.8	247.6	305.3	322.2
95°	37.8	35.8	26.8	23.9	28.8	29.8	47.7	151.1	194.9	285.4	315.2
97.5°	32.8	30.8	21.9	19.9	23.9	23.9	26.8	69.6	95.5	133.2	150.1
100°	26.8	24.9	17.9	15.9	16.9	17.9	16.9	34.8	34.8	36.8	28.8
102.5°	23.9	22.9	14.9	12.9	11.9	11.9	10.9	16.9	17.9	19.9	24.9
105°	20.9	19.9	12.9	10.9	8.9	8.9	8.0	10.9	11.9	16.9	23.9
107.5°	14.9	14.9	10.9	8.9	8.0	8.0	6.0	8.9	9.9	14.9	24.9
110°	9.9	9.9	8.0	8.0	7.0	8.0	6.0	8.9	8.9	11.9	18.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	8.0	8.0	7.0	6.0	5.0	6.0	7.0	8.0	8.0	8.9	11.9
115°	8.0	7.0	6.0	5.0	4.0	5.0	5.0	7.0	7.0	8.9	11.9
117.5°	8.0	8.0	6.0	5.0	4.0	4.0	5.0	6.0	6.0	8.9	12.9
120°	8.0	8.0	6.0	5.0	4.0	3.0	4.0	6.0	6.0	8.0	11.9
122.5°	8.0	8.0	6.0	5.0	4.0	3.0	4.0	5.0	5.0	7.0	11.9
125°	8.9	8.9	7.0	5.0	4.0	3.0	4.0	4.0	4.0	7.0	10.9
127.5°	8.9	8.9	7.0	5.0	4.0	3.0	4.0	4.0	4.0	6.0	8.9
130°	8.9	8.9	7.0	5.0	4.0	3.0	4.0	3.0	3.0	5.0	8.0
132.5°	8.9	8.0	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	6.0
135°	8.0	8.0	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	4.0
137.5°	8.0	8.0	8.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0
140°	8.9	8.9	8.9	8.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0
142.5°	9.9	9.9	9.9	8.9	6.0	5.0	5.0	3.0	3.0	3.0	3.0
145°	10.9	10.9	10.9	8.9	6.0	5.0	5.0	4.0	4.0	3.0	4.0
147.5°	11.9	11.9	10.9	8.9	5.0	4.0	4.0	4.0	4.0	4.0	4.0
150°	10.9	9.9	9.9	7.0	4.0	2.0	3.0	3.0	3.0	4.0	4.0
152.5°	8.0	8.0	7.0	5.0	3.0	1.0	2.0	2.0	3.0	3.0	3.0
155°	5.0	5.0	4.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	4.0	4.0	5.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0
5°	4.0	4.0	5.0	6.0	7.0	8.0	8.9	8.9	8.9	9.9	9.9
7.5°	5.0	5.0	5.0	7.0	8.0	10.9	29.8	89.5	138.2	142.2	144.2
10°	9.9	9.9	9.9	9.9	21.9	127.3	158.1	165.1	169.0	172.0	172.0
12.5°	133.2	132.2	47.7	23.9	109.4	165.1	175.0	180.0	184.0	186.9	187.9
15°	270.5	271.5	271.5	274.4	198.9	180.0	189.9	280.4	332.1	342.1	346.0
17.5°	296.3	296.3	295.3	329.1	369.9	292.3	326.1	356.0	365.9	370.9	372.9
20°	540.9	539.9	435.5	377.9	390.8	485.2	364.9	378.8	386.8	461.4	463.4
22.5°	596.6	593.6	580.7	583.7	460.4	525.0	500.2	485.2	532.0	530.0	532.0
25°	732.8	661.2	633.4	627.4	667.2	545.9	579.7	502.1	514.1	512.1	514.1
27.5°	959.5	933.7	869.1	734.8	711.0	674.2	580.7	527.0	592.6	607.5	609.5
30°	1029.1	996.3	927.7	933.7	792.5	686.1	565.8	583.7	560.8	558.8	554.8
32.5°	1411.0	1368.2	1264.8	1018.2	883.0	644.3	568.8	531.0	542.9	582.7	584.7
35°	1572.1	1523.3	1450.8	1299.6	856.1	632.4	520.0	518.1	526.0	527.0	525.0
37.5°	1755.0	1691.4	1622.8	1369.2	893.9	572.7	485.2	486.2	504.1	538.9	535.0
40°	1967.8	1897.2	1785.8	1410.0	802.4	536.9	462.4	477.3	496.2	488.2	481.3
42.5°	2207.4	2092.1	1917.1	1402.0	698.0	495.2	456.4	466.3	463.4	448.5	444.5
45°	2455.0	2332.7	2045.4	1335.4	603.6	468.3	445.5	448.5	436.5	417.6	413.6
47.5°	2740.4	2579.3	2118.0	1238.0	528.0	466.3	442.5	432.5	409.7	392.8	391.8
50°	3027.8	2851.8	2231.3	1107.7	471.3	458.4	449.4	428.6	400.7	383.8	381.8
52.5°	3309.2	3155.1	2353.6	998.3	428.6	449.4	452.4	430.6	400.7	375.9	374.9
55°	3591.6	3456.3	2485.9	911.8	399.7	448.5	463.4	436.5	406.7	369.9	368.9
57.5°	3875.0	3743.7	2613.1	854.1	386.8	435.5	470.3	455.4	422.6	391.8	393.8
60°	4211.1	4055.9	2763.3	813.4	381.8	428.6	476.3	477.3	432.5	397.7	402.7
62.5°	4541.2	4384.1	2890.6	775.6	368.9	421.6	479.3	494.2	454.4	424.6	429.6
65°	4848.4	4661.5	2949.2	703.0	353.0	413.6	497.2	509.1	471.3	468.3	474.3
67.5°	4965.8	4791.8	2891.6	612.5	343.0	413.6	516.1	530.0	489.2	505.1	521.0
70°	4852.4	4707.2	2746.4	499.2	346.0	416.6	519.0	539.9	515.1	528.0	541.9
72.5°	4500.4	4315.5	2393.4	401.7	346.0	412.7	506.1	524.0	505.1	547.9	561.8
75°	4055.9	3733.8	1905.2	331.1	336.1	410.7	476.3	497.2	478.3	523.0	537.9
77.5°	3350.0	2937.3	1317.5	292.3	322.2	392.8	445.5	449.4	430.6	457.4	464.4
80°	2362.6	1979.7	834.3	264.5	308.2	355.0	394.8	387.8	368.9	373.9	379.8
82.5°	1317.5	1047.0	486.2	243.6	289.4	295.3	323.2	325.2	300.3	301.3	302.3
85°	523.0	484.2	329.1	204.8	233.7	212.8	241.6	251.6	227.7	199.9	193.9
87.5°	347.0	329.1	229.7	140.2	143.2	120.3	157.1	163.1	134.2	116.3	115.3
90°	330.1	320.2	197.9	94.5	79.5	65.6	87.5	84.5	64.6	56.7	57.7
92.5°	340.1	334.1	200.9	90.5	77.6	62.6	77.6	66.6	48.7	42.8	43.8
95°	335.1	332.1	195.9	88.5	73.6	57.7	65.6	53.7	37.8	33.8	33.8
97.5°	159.1	168.0	121.3	79.5	65.6	48.7	50.7	40.8	26.8	24.9	23.9
100°	23.9	37.8	65.6	73.6	48.7	33.8	32.8	26.8	16.9	15.9	15.9
102.5°	24.9	26.8	40.8	50.7	26.8	17.9	17.9	15.9	12.9	14.9	14.9
105°	26.8	24.9	23.9	27.8	15.9	10.9	9.9	9.9	10.9	15.9	16.9
107.5°	28.8	26.8	18.9	14.9	11.9	9.9	8.0	7.0	9.9	16.9	17.9
110°	21.9	20.9	15.9	11.9	11.9	10.9	7.0	7.0	10.9	17.9	19.9



REPORT NUMBER: P413798

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

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