

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: P416260

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-727-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6885 lumens  
Efficiency: N/A  
Efficacy: 93.0 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: B2 - U3 - G3

Input Watts (W): 74  
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

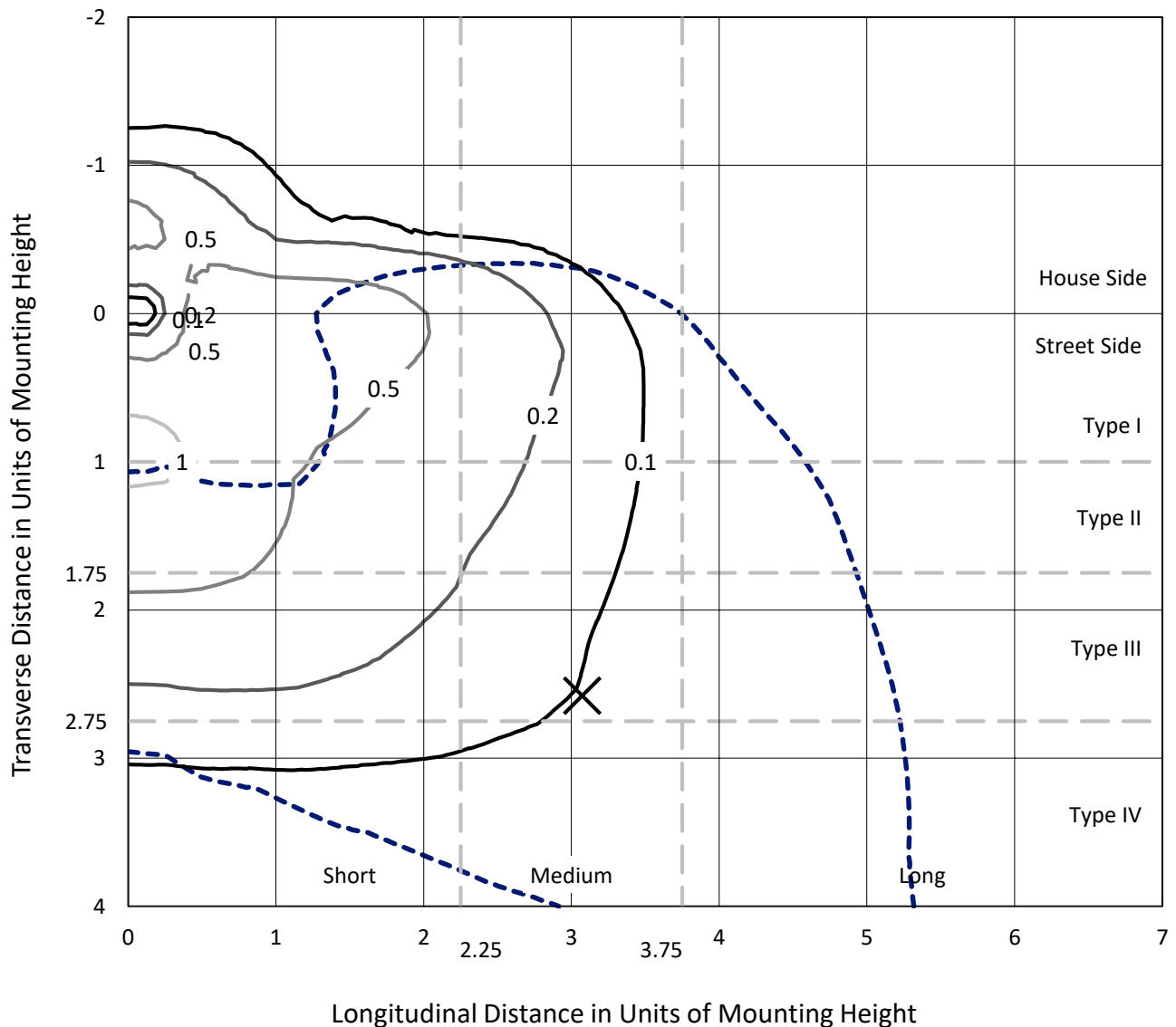


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### Iso-Footcandle Lines of Horizontal Illumination

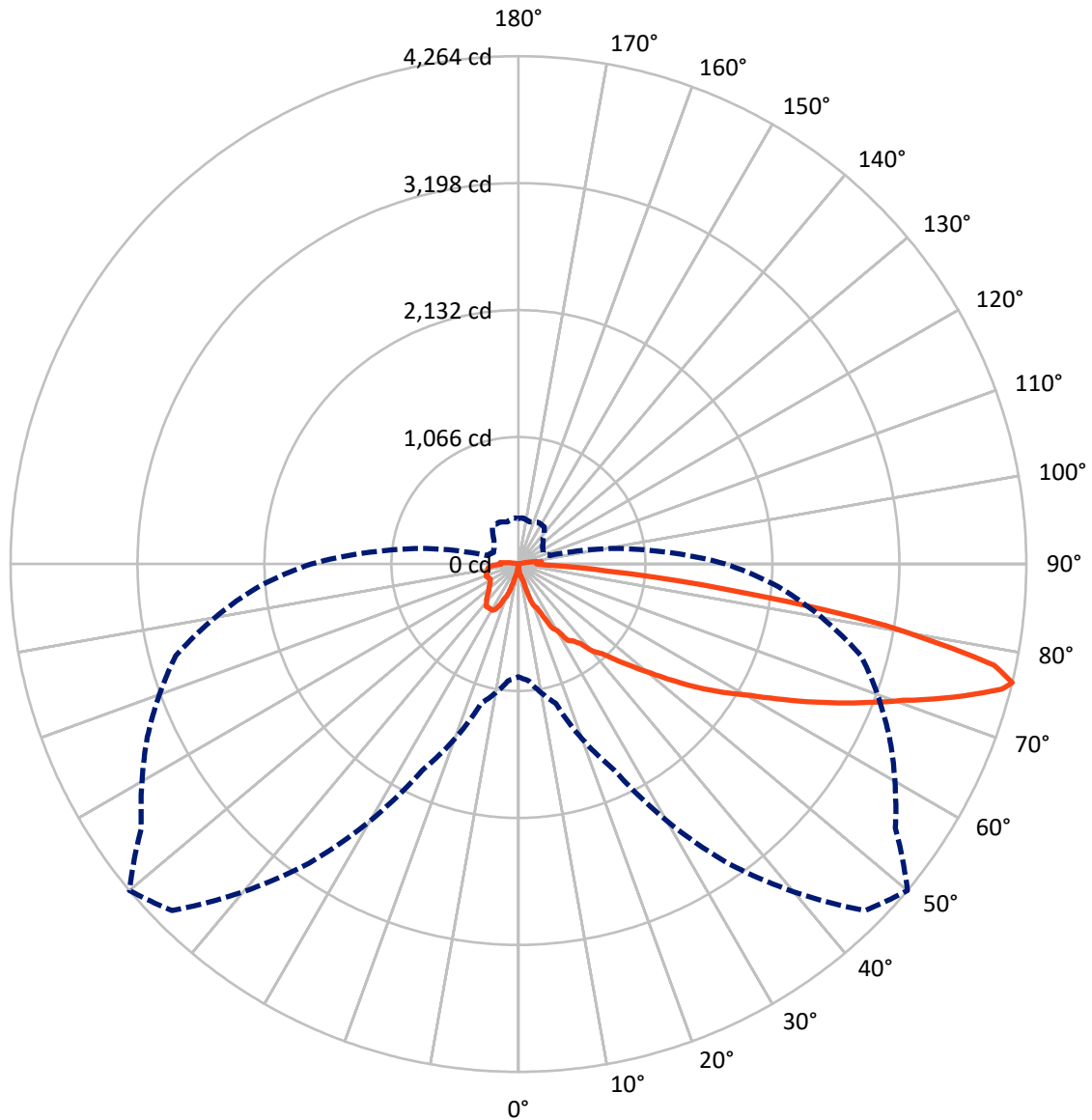
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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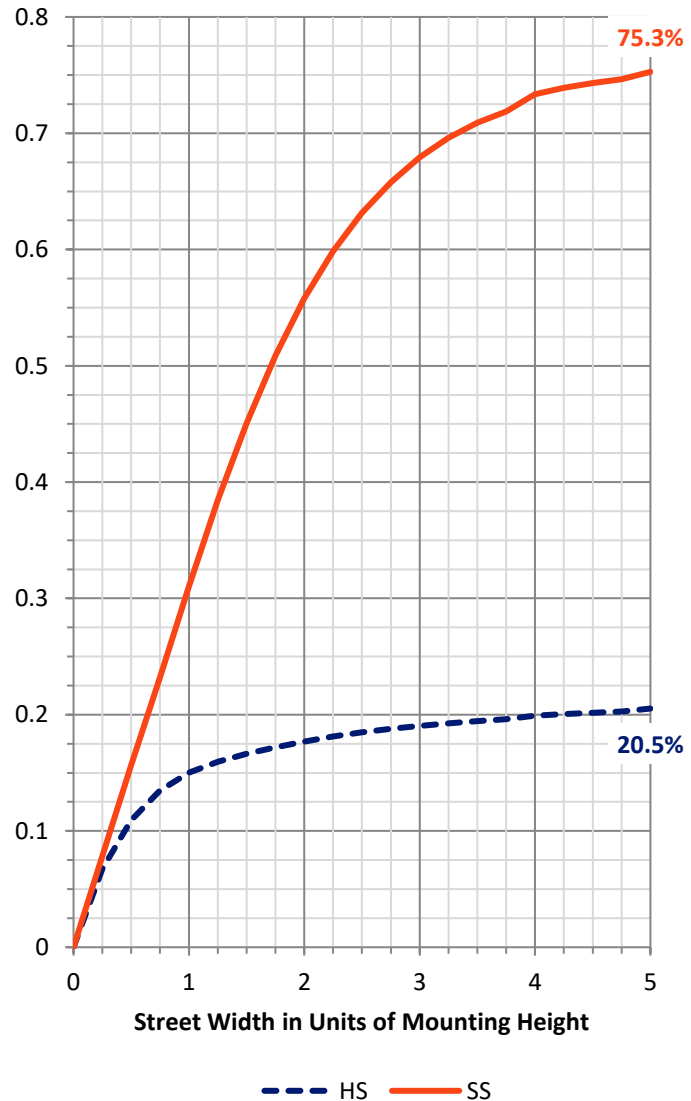
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1502.7	84.7	1587.4
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	5229.7	68.0	5297.7
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	6732.4	152.7	6885.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	57.4	0.8
20°-30°	224.6	3.3
30°-40°	483.4	7.0
40°-50°	787.6	11.4
50°-60°	1268.0	18.4
60°-70°	1847.0	26.8
70°-80°	1647.7	23.9
80°-90°	412.7	6.0
90°-100°	120.9	1.8
100°-110°	17.9	0.3
110°-120°	5.2	0.1
120°-130°	3.5	0.1
130°-140°	2.4	0.0
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6732.4	97.8
0°-180°	6885.0	100.0



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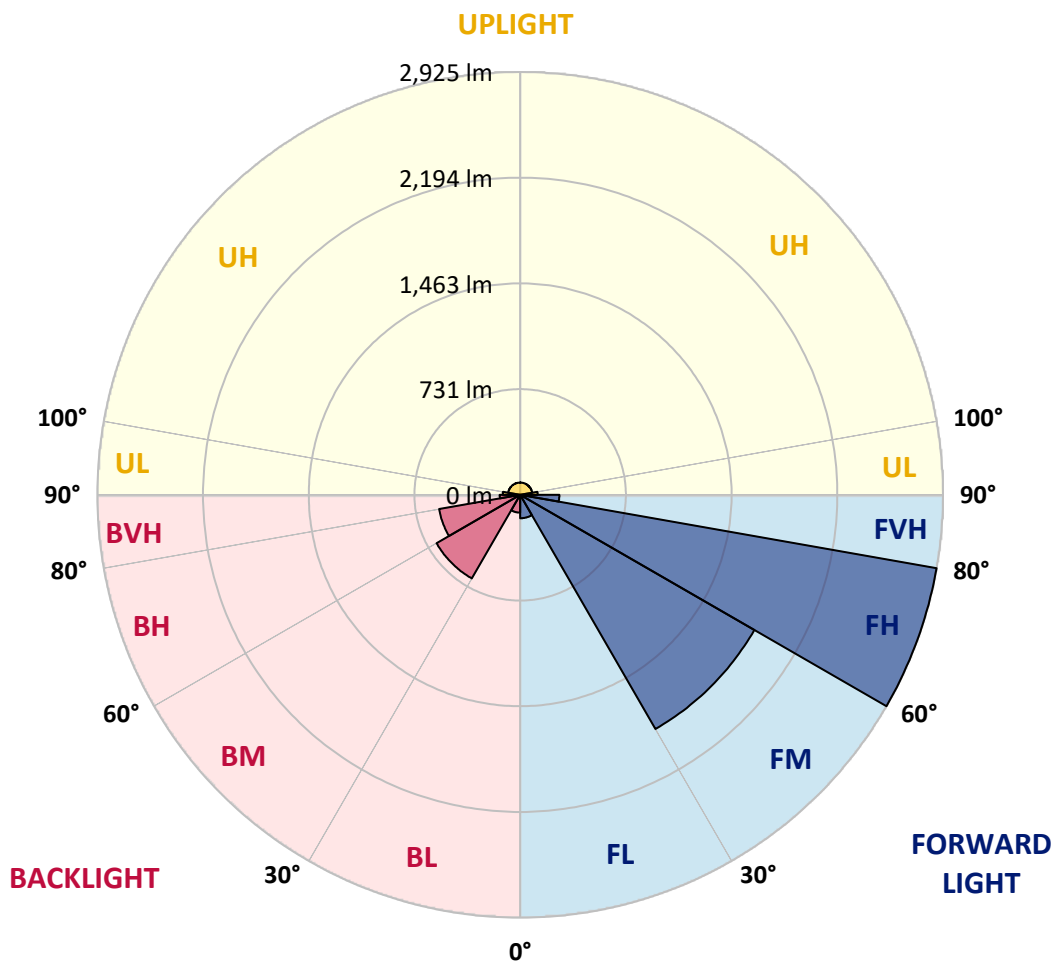
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.3	2.4			
FM (30°-60°)	1870.9	27.2			
FH (60°-80°)	2925.5	42.5			G2/5000
FVH (80°-90°)	271.0	3.9			G3/500
BL (0°-30°)	123.5	1.8	B1/500		
BM (30°-60°)	668.2	9.7	B1/1000		
BH (60°-80°)	569.3	8.3	B2/1000		G2/1000
BVH (80°-90°)	141.7	2.1			G2/225
UL (90°-100°)	120.9	1.8		U3/500	
UH (100°-180°)	84.7	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	9.9	7.7	6.9	6.1	6.1	5.4	5.4	4.6	4.6	4.6	4.6
5°	96.4	93.4	86.5	80.3	27.5	23.0	19.1	14.5	5.4	5.4	4.6
7.5°	115.5	113.2	108.7	105.6	101.0	94.1	86.5	40.6	16.1	6.1	5.4
10°	151.5	140.0	130.8	123.2	117.8	106.4	103.3	97.2	26.8	11.5	8.4
12.5°	270.9	264.7	255.6	173.7	143.1	122.4	117.8	112.5	87.2	41.3	74.2
15°	298.4	292.3	283.1	271.6	254.8	150.7	141.6	176.0	225.0	169.1	176.8
17.5°	350.4	347.4	322.9	295.4	278.5	296.1	296.9	269.3	255.6	223.4	203.5
20°	485.9	482.8	469.0	398.7	315.3	374.2	372.6	358.9	286.9	329.8	355.0
22.5°	505.8	502.0	489.7	470.6	498.9	410.1	400.2	400.2	423.1	448.4	417.8
25°	665.7	661.9	568.5	495.1	534.9	488.2	489.7	541.7	468.3	492.0	469.8
27.5°	695.5	690.2	682.5	633.6	563.2	618.3	609.8	581.5	609.1	679.5	655.8
30°	811.8	752.9	727.7	699.4	664.9	655.0	651.2	702.4	722.3	717.7	724.6
32.5°	941.9	939.6	915.1	746.0	752.2	704.0	765.9	788.9	758.3	871.5	944.2
35°	1131.7	1053.6	1006.2	893.7	782.8	814.1	792.7	816.4	921.3	932.0	1001.6
37.5°	1422.5	1417.9	1309.2	986.3	902.9	833.3	848.6	914.4	983.2	998.5	1092.7
40°	1662.7	1640.5	1571.7	1229.6	981.7	901.4	962.6	948.0	1020.7	1074.3	1164.6
42.5°	1841.0	1861.7	1822.6	1423.2	1140.1	1009.3	1027.6	1008.5	1075.8	1176.1	1267.9
45°	2011.6	2003.2	2030.0	1619.9	1292.4	1147.8	1146.2	1099.5	1176.8	1289.3	1410.2
47.5°	2150.9	2138.7	2166.2	1833.3	1467.6	1273.2	1284.0	1223.5	1297.7	1430.9	1621.4
50°	2306.2	2282.5	2300.9	2012.4	1696.4	1454.6	1440.1	1393.4	1435.5	1616.8	1879.3
52.5°	2492.9	2476.1	2443.2	2190.7	1932.1	1641.3	1622.9	1577.8	1623.7	1847.9	2164.7
55°	2660.5	2641.4	2614.6	2436.3	2127.9	1831.1	1831.8	1786.7	1876.2	2100.4	2496.0
57.5°	2835.0	2825.8	2839.5	2711.0	2408.0	2029.2	2033.8	2006.3	2167.0	2359.8	2847.2
60°	2979.6	2965.8	3042.3	2991.8	2656.7	2255.7	2237.4	2267.2	2463.8	2630.7	3203.0
62.5°	3034.7	3043.8	3188.5	3250.4	2897.7	2499.8	2506.7	2547.3	2738.5	2955.1	3545.8
65°	2776.0	2808.2	3212.2	3295.6	3166.3	2770.7	2803.6	2796.7	3020.1	3193.8	3835.0
67.5°	2495.2	2531.9	2971.2	3307.1	3374.4	3089.0	3105.8	3037.7	3262.7	3343.0	4050.8
70°	2296.3	2324.6	2685.7	3242.0	3502.2	3421.1	3428.7	3302.5	3438.7	3518.3	4043.2
72.5°	1951.9	1981.8	2315.4	2996.4	3581.8	3823.6	3823.6	3545.0	3581.0	3514.4	3570.3
75°	1319.2	1330.6	1603.8	2326.1	3375.9	4151.8	4191.6	3809.8	3532.0	3192.3	2662.8
76°	947.3	982.5	1211.3	1909.9	3066.0	4114.3	4263.5	3863.3	3436.4	2978.8	2191.4
77.5°	502.0	534.1	714.7	1222.7	2486.8	3825.9	4083.7	3698.8	3133.4	2557.2	1620.6
80°	196.6	194.4	245.6	435.4	1259.5	2909.9	3125.0	2726.3	2119.5	1481.4	769.8
82.5°	107.9	118.6	156.1	230.3	546.3	1605.3	1765.2	1438.5	1082.0	683.3	449.9
85°	68.9	70.4	91.8	142.3	337.4	676.4	743.0	616.0	506.5	419.3	319.8
87.5°	41.3	42.8	48.2	65.8	166.8	198.9	217.3	255.6	290.8	288.5	276.2
90°	28.3	28.3	23.7	26.0	78.0	159.2	153.0	163.0	148.4	188.2	266.3
92.5°	27.5	27.5	23.0	23.7	66.6	176.8	177.5	176.8	156.9	192.1	280.1
95°	24.5	25.3	19.9	20.7	49.0	165.3	194.4	188.2	158.4	193.6	279.3
97.5°	20.7	21.4	15.3	17.6	32.9	111.7	144.6	147.7	98.7	97.9	126.3
100°	15.3	16.1	10.7	13.8	19.9	51.3	77.3	72.7	49.0	26.8	17.6
102.5°	14.5	15.3	9.2	10.7	12.2	17.6	28.3	21.4	18.4	15.3	15.3
105°	16.1	16.1	8.4	7.7	7.7	8.4	6.9	9.9	10.7	11.5	16.1
107.5°	13.8	14.5	6.1	6.1	5.4	5.4	4.6	4.6	6.1	9.9	17.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	10.7	10.7	5.4	5.4	3.8	4.6	4.6	3.8	5.4	7.7	13.8
112.5°	6.1	6.9	3.1	4.6	3.1	3.8	3.8	3.1	4.6	5.4	7.7
115°	6.1	6.1	3.1	2.3	2.3	2.3	3.1	3.1	3.8	5.4	8.4
117.5°	6.1	6.1	3.1	2.3	1.5	2.3	2.3	2.3	3.8	5.4	8.4
120°	6.1	6.1	3.1	1.5	1.5	1.5	1.5	2.3	3.8	5.4	8.4
122.5°	6.9	6.1	3.1	1.5	1.5	1.5	1.5	2.3	3.8	5.4	7.7
125°	6.9	6.1	3.1	1.5	1.5	1.5	1.5	2.3	3.1	4.6	6.9
127.5°	6.9	6.1	3.1	1.5	1.5	1.5	1.5	2.3	3.1	4.6	6.1
130°	6.1	6.1	3.1	1.5	1.5	1.5	1.5	2.3	3.1	4.6	6.1
132.5°	6.1	5.4	3.1	1.5	1.5	1.5	1.5	2.3	3.1	3.8	5.4
135°	5.4	4.6	3.1	1.5	2.3	1.5	2.3	2.3	3.1	3.8	4.6
137.5°	4.6	4.6	3.1	2.3	2.3	2.3	2.3	2.3	3.1	3.8	3.8
140°	5.4	4.6	3.1	3.1	2.3	2.3	2.3	2.3	3.1	3.8	3.8
142.5°	6.1	5.4	3.8	3.1	3.1	2.3	2.3	3.1	3.1	3.8	3.8
145°	6.1	6.1	4.6	3.8	2.3	2.3	2.3	3.1	3.8	3.8	4.6
147.5°	6.9	6.1	4.6	3.8	2.3	1.5	2.3	2.3	3.8	4.6	4.6
150°	6.1	6.1	3.8	3.1	1.5	0.8	1.5	2.3	3.8	4.6	4.6
152.5°	4.6	4.6	3.1	1.5	0.8	0.8	1.5	2.3	3.1	3.8	4.6
155°	3.1	3.1	1.5	0.8	0.0	0.8	0.8	1.5	2.3	3.1	3.8
157.5°	1.5	1.5	0.8	0.0	0.0	0.8	0.8	1.5	2.3	3.1	3.1
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.5	1.5	2.3	2.3
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	4.6	3.8	3.8	3.1	3.1	2.3	2.3	2.3	2.3	3.1	3.8
5°	4.6	4.6	3.8	3.8	3.8	3.1	3.1	4.6	5.4	6.1	6.1
7.5°	4.6	4.6	4.6	3.8	4.6	6.1	24.5	70.4	77.3	81.9	83.4
10°	8.4	7.7	6.9	6.1	11.5	78.0	96.4	104.8	108.7	112.5	112.5
12.5°	80.3	80.3	32.9	18.4	78.8	104.8	110.2	116.3	121.7	127.0	127.8
15°	174.5	172.2	166.0	152.3	131.6	118.6	124.0	183.6	215.8	230.3	228.0
17.5°	199.7	196.6	192.8	219.6	228.8	182.9	213.5	237.2	244.1	251.7	251.0
20°	370.3	366.5	285.4	255.6	250.2	306.8	244.1	249.4	261.7	333.6	335.9
22.5°	414.7	410.1	381.8	389.5	292.3	332.8	322.1	337.4	376.5	387.9	389.5
25°	485.9	467.5	433.1	407.1	414.0	347.4	400.9	375.7	390.2	404.0	406.3
27.5°	672.6	661.9	600.7	456.0	422.4	434.6	417.8	408.6	488.2	517.3	519.6
30°	724.6	713.9	637.4	528.0	445.3	445.3	420.8	509.6	513.4	528.7	532.6
32.5°	984.8	963.3	810.3	536.4	462.2	425.4	476.7	502.0	563.2	609.1	616.7
35°	1045.2	1026.9	836.3	612.9	446.9	443.0	449.9	528.7	573.9	601.4	607.5
37.5°	1108.0	1087.3	833.3	583.8	473.6	422.4	437.7	494.3	559.3	630.5	639.7
40°	1193.7	1168.4	837.1	546.3	443.8	399.4	410.9	474.4	518.8	563.2	570.8
42.5°	1308.4	1257.9	844.0	512.7	409.4	389.5	391.8	428.5	449.2	467.5	467.5
45°	1463.0	1381.1	846.3	477.5	374.9	366.5	369.6	386.4	394.1	382.6	377.2
47.5°	1670.4	1533.4	874.6	446.1	345.9	341.3	343.6	348.9	345.1	315.3	309.9
50°	1912.2	1712.5	889.9	418.5	324.4	323.7	319.8	319.8	306.1	272.4	270.1
52.5°	2179.2	1925.9	902.9	384.9	309.1	313.0	313.0	296.9	276.2	249.4	247.1
55°	2518.2	2172.3	922.0	355.8	296.1	295.4	303.8	283.9	262.5	239.5	239.5
57.5°	2854.9	2433.2	945.0	330.6	281.6	283.1	295.4	279.3	267.8	258.6	257.9
60°	3191.5	2702.6	908.3	307.6	276.2	273.2	293.1	296.9	283.1	288.5	293.8
62.5°	3507.5	2874.7	760.6	287.7	266.3	270.9	313.0	336.7	332.1	326.7	328.3
65°	3656.7	2909.9	616.7	270.1	259.4	286.9	345.1	381.1	365.8	348.2	346.6
67.5°	3682.0	2818.9	453.7	259.4	255.6	315.3	370.3	391.0	368.0	361.2	355.0
70°	3504.5	2587.8	362.7	247.9	258.6	319.8	386.4	388.7	371.9	379.5	371.9
72.5°	2980.3	2155.5	317.5	237.2	259.4	308.4	386.4	389.5	370.3	392.5	388.7
75°	2134.1	1511.2	282.3	228.0	251.0	295.4	381.1	388.7	365.8	390.2	384.1
76°	1738.5	1199.0	272.4	230.3	247.1	290.8	379.5	386.4	366.5	388.7	382.6
77.5°	1148.5	783.5	255.6	228.8	240.3	288.5	375.7	383.4	365.8	384.1	378.0
80°	614.4	443.8	230.3	213.5	231.8	290.0	372.6	375.7	351.2	371.9	364.2
82.5°	404.8	330.6	198.9	193.6	223.4	292.3	371.1	366.5	339.0	371.9	351.2
85°	317.5	273.2	149.2	155.3	203.5	282.3	366.5	353.5	328.3	337.4	325.2
87.5°	269.3	225.0	89.5	110.9	178.3	240.3	325.2	292.3	277.8	286.9	281.6
90°	253.3	198.9	50.5	78.0	133.9	159.9	205.1	190.5	184.4	195.1	192.8
92.5°	255.6	194.4	49.7	74.2	143.1	172.2	212.0	195.1	176.8	176.8	174.5
95°	244.1	181.3	49.0	58.9	129.3	167.6	198.9	175.2	142.3	135.4	133.1
97.5°	106.4	88.0	45.9	45.1	74.2	115.5	144.6	125.5	94.1	73.5	73.5
100°	17.6	28.3	39.8	43.6	43.6	61.2	81.9	77.3	45.1	23.7	24.5
102.5°	18.4	16.1	27.5	36.0	28.3	25.3	37.5	46.7	29.8	9.2	9.9
105°	19.1	16.8	13.8	25.3	16.1	8.4	11.5	21.4	13.8	9.2	9.2
107.5°	20.7	17.6	8.4	9.2	6.9	6.9	6.1	5.4	6.9	9.2	9.9



REPORT NUMBER: P416260

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.1	14.5	7.7	6.9	6.1	6.9	4.6	4.6	5.4	9.2	9.9
112.5°	9.2	9.2	6.9	5.4	5.4	6.1	3.8	3.8	5.4	9.9	9.9
115°	9.2	9.2	6.1	4.6	3.8	4.6	3.8	3.1	5.4	9.9	10.7
117.5°	9.2	9.2	6.1	4.6	3.8	3.1	3.1	3.1	5.4	9.9	10.7
120°	9.2	8.4	5.4	3.8	3.8	2.3	2.3	2.3	4.6	9.9	10.7
122.5°	8.4	8.4	5.4	3.8	3.1	2.3	2.3	2.3	4.6	9.2	9.9
125°	7.7	7.7	5.4	3.8	3.1	2.3	1.5	2.3	4.6	8.4	9.2
127.5°	6.9	6.9	4.6	3.8	3.1	2.3	1.5	2.3	4.6	8.4	9.2
130°	6.1	6.1	4.6	3.1	3.1	1.5	1.5	1.5	4.6	7.7	8.4
132.5°	5.4	5.4	3.8	3.1	2.3	1.5	0.8	1.5	3.8	6.9	6.9
135°	4.6	4.6	3.8	3.1	2.3	1.5	0.8	1.5	3.1	5.4	6.1
137.5°	3.8	3.8	3.1	3.1	2.3	1.5	0.8	1.5	2.3	4.6	4.6
140°	3.8	3.8	3.1	3.1	2.3	1.5	0.8	1.5	2.3	3.8	4.6
142.5°	3.8	3.8	3.1	3.1	2.3	1.5	0.8	1.5	2.3	3.8	4.6
145°	4.6	3.8	3.8	3.1	2.3	1.5	0.8	1.5	3.1	4.6	4.6
147.5°	4.6	4.6	3.8	3.1	2.3	1.5	0.8	1.5	3.1	4.6	4.6
150°	4.6	4.6	3.8	3.1	2.3	0.8	0.0	0.8	2.3	3.8	4.6
152.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0	0.0	1.5	3.1	3.1
155°	3.8	3.1	3.1	2.3	1.5	0.8	0.0	0.0	0.8	1.5	1.5
157.5°	3.1	3.1	2.3	1.5	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.3	2.3	1.5	1.5	0.8	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

(END OF REPORT)