

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: P416415

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7949 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G4

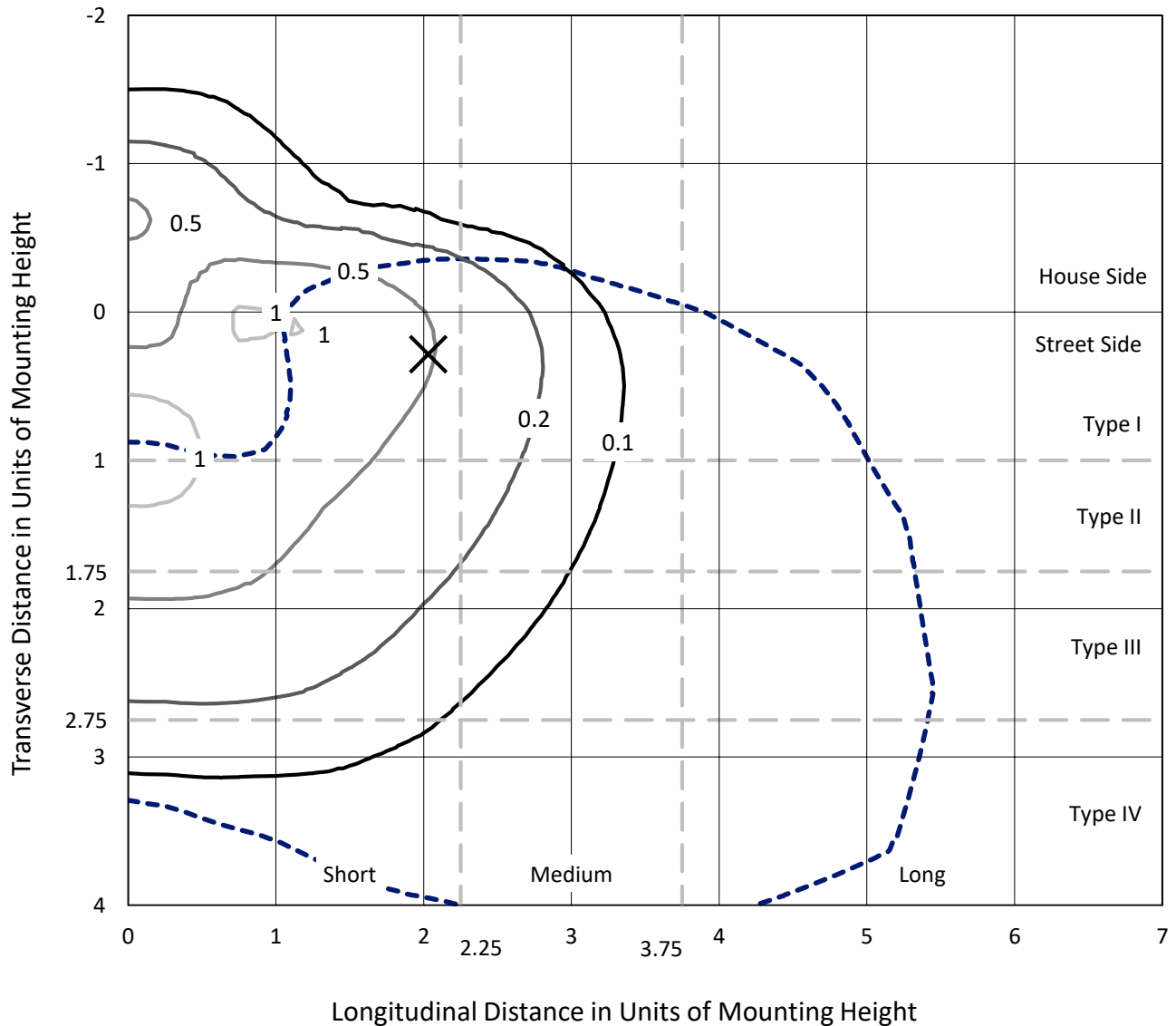
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

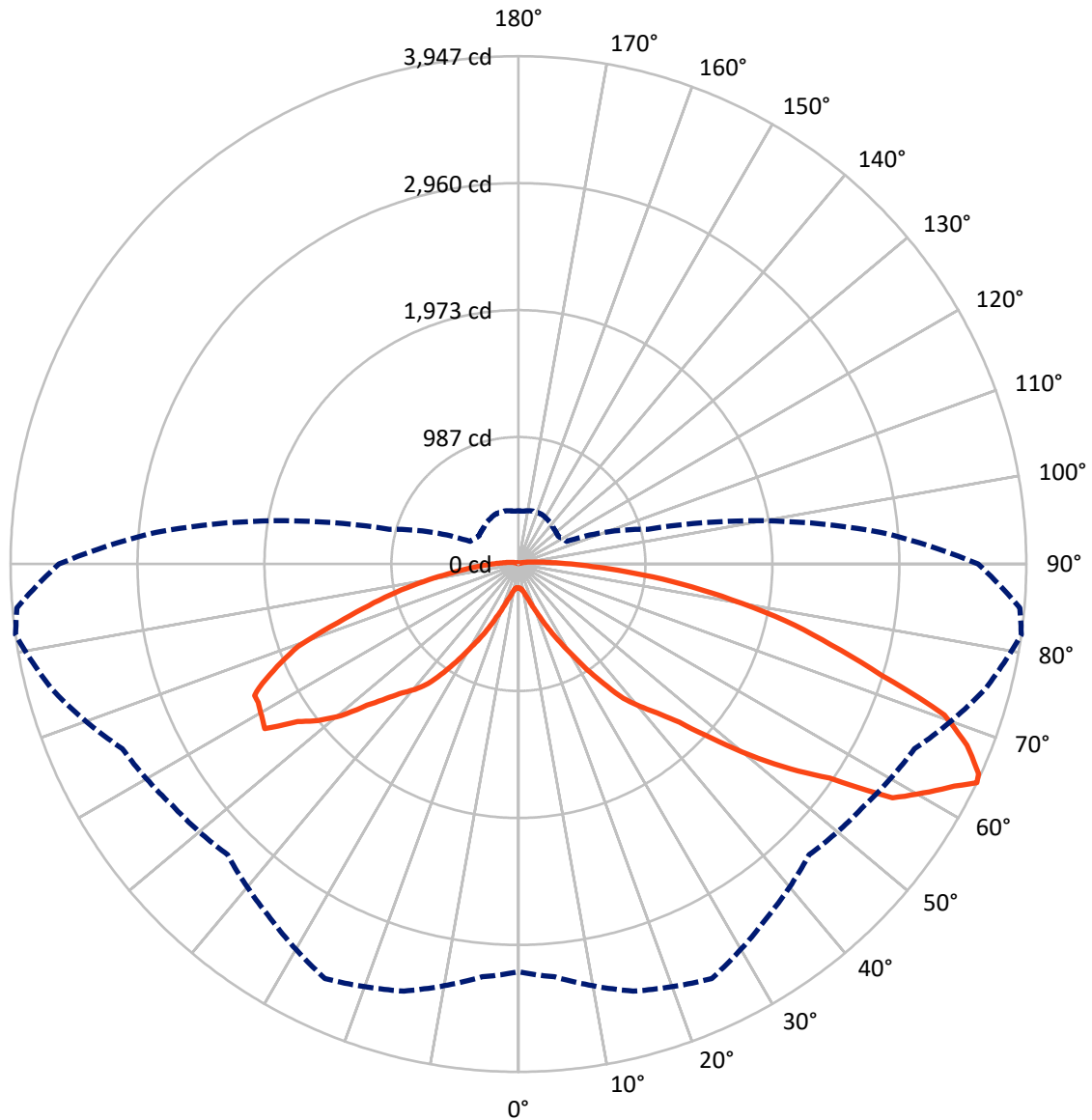


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P416415

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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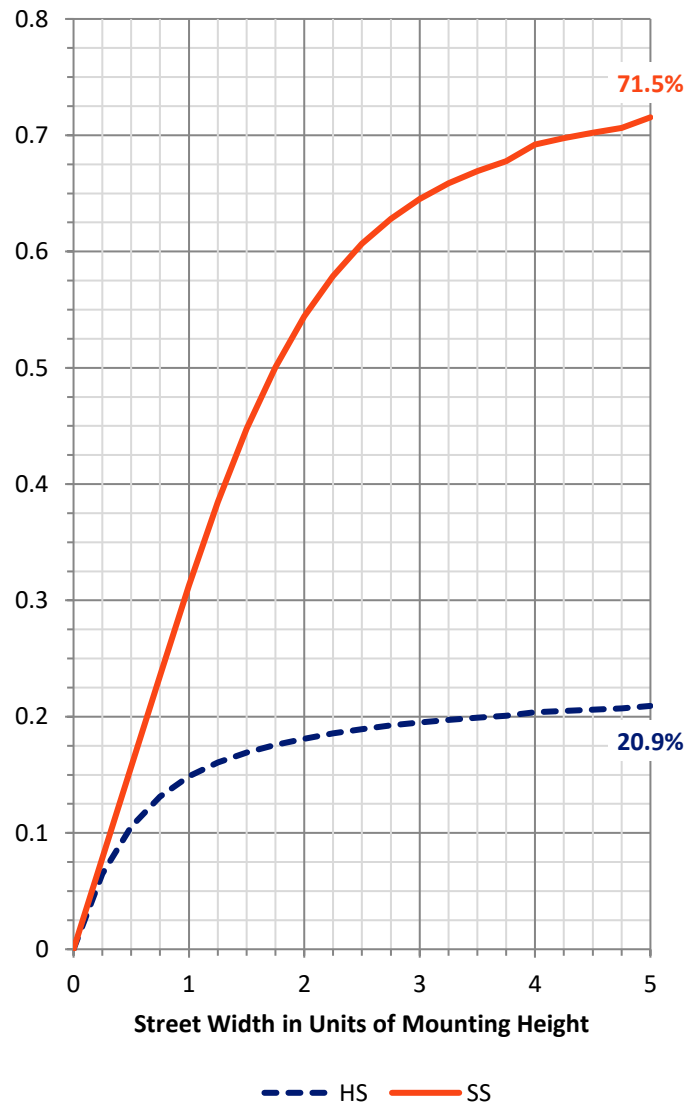
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1747.4	130.9	1878.4
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	5899.1	171.5	6070.6
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	7646.5	302.5	7949.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.2
10°-20°	81.8	1.0
20°-30°	235.6	3.0
30°-40°	540.9	6.8
40°-50°	950.0	12.0
50°-60°	1526.0	19.2
60°-70°	2048.5	25.8
70°-80°	1566.2	19.7
80°-90°	678.4	8.5
90°-100°	190.5	2.4
100°-110°	57.8	0.7
110°-120°	25.4	0.3
120°-130°	14.5	0.2
130°-140°	8.8	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7646.5	96.2
0°-180°	7949.0	100.0



REPORT NUMBER: P416415

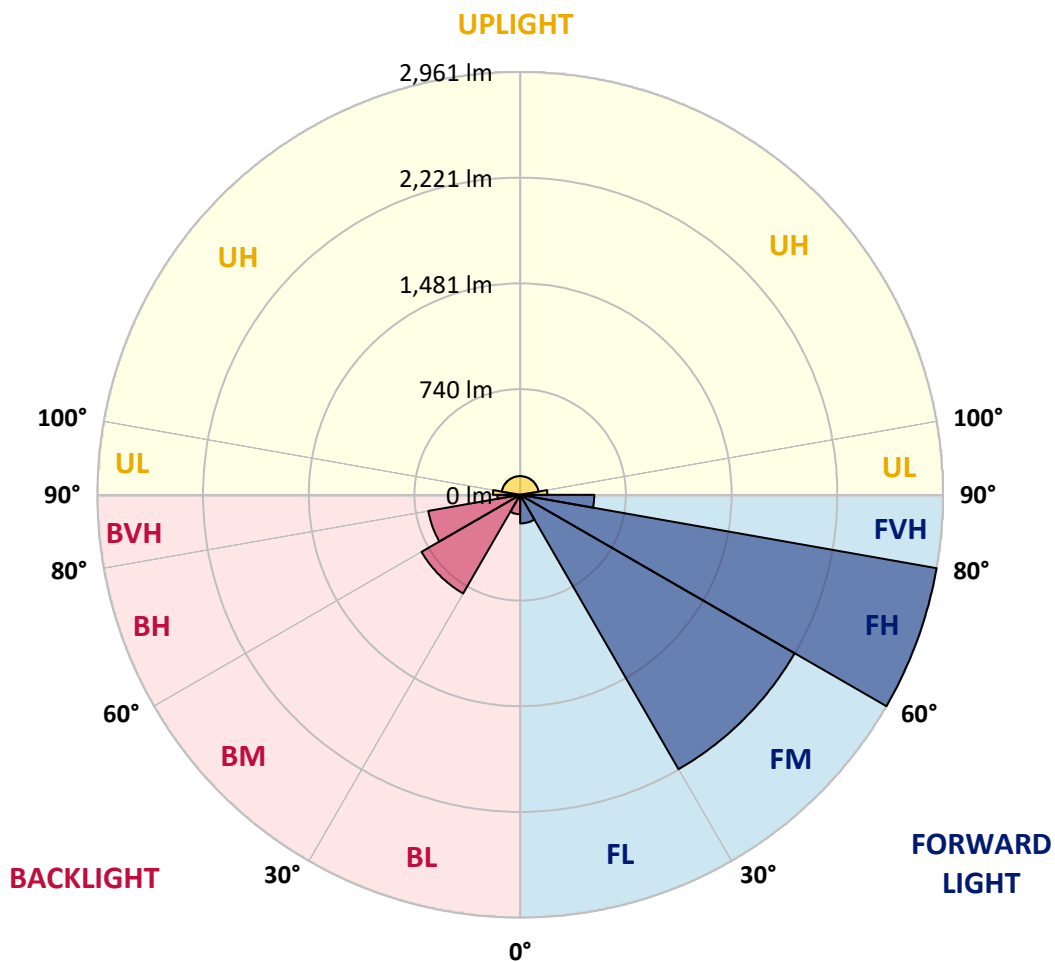
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.1	2.5			
FM	(30°-60°)	2219.0	27.9			
FH	(60°-80°)	2961.4	37.3			G2/5000
FVH	(80°-90°)	518.6	6.5			G4/750
BL	(0°-30°)	136.4	1.7	B1/500		
BM	(30°-60°)	798.1	10.0	B1/1000		
BH	(60°-80°)	653.2	8.2	B2/1000		G2/1000
BVH	(80°-90°)	159.8	2.0			G2/225
UL	(90°-100°)	190.5	2.4		U3/500	
UH	(100°-180°)	130.9	1.6		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Short





REPORT NUMBER: P416415

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7
2.5°	199.4	198.5	198.5	199.4	199.4	197.6	194.0	191.2	188.5	187.5	186.6
5°	217.7	216.8	215.9	216.8	214.1	211.3	205.8	200.4	196.7	193.0	192.1
7.5°	242.4	241.5	240.6	238.8	235.1	229.6	221.4	214.1	207.7	203.1	201.3
10°	274.5	270.8	269.9	266.2	259.8	250.7	241.5	232.4	225.1	218.7	215.9
12.5°	318.4	318.4	311.1	302.8	291.8	278.1	266.2	258.9	251.6	247.9	242.4
15°	372.4	370.5	363.2	349.5	331.2	315.6	302.8	293.7	289.1	282.7	280.0
17.5°	431.8	428.2	421.8	400.7	378.8	362.3	347.7	338.5	335.8	330.3	329.4
20°	509.6	504.1	488.5	462.9	432.7	414.4	400.7	390.7	389.7	391.6	390.7
22.5°	602.0	598.3	579.1	532.5	498.6	472.1	453.8	455.6	467.5	473.0	465.7
25°	712.7	716.3	684.3	622.1	577.3	532.5	525.1	535.2	561.7	576.4	577.3
27.5°	843.5	842.6	800.5	731.9	662.4	612.1	600.2	629.4	666.9	688.0	688.0
30°	989.9	1002.7	943.2	853.6	756.6	697.1	688.0	732.8	772.2	809.7	820.6
32.5°	1184.8	1182.0	1105.2	997.2	868.2	784.0	776.7	833.5	922.2	974.3	974.3
35°	1427.2	1417.1	1310.1	1148.2	975.3	881.0	881.9	960.6	1077.7	1141.8	1148.2
37.5°	1635.8	1644.0	1536.1	1339.4	1113.4	991.7	1002.7	1108.8	1249.7	1324.7	1350.4
40°	1859.0	1861.8	1742.8	1528.8	1262.5	1109.7	1136.3	1258.9	1392.4	1454.7	1479.4
42.5°	2055.7	2072.2	1953.3	1719.1	1413.5	1254.3	1267.1	1374.1	1506.8	1580.9	1615.7
45°	2191.1	2200.3	2127.1	1893.8	1577.2	1401.6	1399.8	1499.5	1670.6	1752.9	1808.7
47.5°	2375.0	2399.7	2294.5	2069.4	1745.6	1551.6	1536.1	1664.2	1889.2	2022.8	2070.4
50°	2590.9	2628.4	2554.3	2282.6	1937.7	1728.2	1730.9	1883.7	2160.9	2335.7	2385.1
52.5°	2805.9	2820.6	2771.2	2538.8	2160.9	1934.0	1956.0	2147.2	2465.6	2644.9	2675.1
55°	2921.2	2942.2	2956.9	2773.0	2429.0	2178.3	2216.7	2447.3	2725.4	2935.8	3004.5
57.5°	3031.0	3060.3	3098.7	2973.3	2695.2	2480.2	2517.7	2722.7	3128.9	3429.0	3481.1
60°	3216.7	3242.3	3316.4	3214.0	2939.5	2768.4	2807.8	3095.9	3407.0	3613.8	3619.2
62.5°	3214.0	3254.2	3433.5	3459.1	3201.2	3045.6	3141.7	3297.2	3543.3	3803.1	3797.6
64°	3170.0	3220.4	3436.3	3555.2	3360.3	3195.7	3278.9	3396.0	3754.7	3946.8	3912.0
65°	3138.9	3194.7	3428.0	3579.9	3447.3	3280.7	3343.0	3478.4	3815.9	3930.3	3882.7
67.5°	2967.9	3030.1	3339.3	3577.2	3536.9	3414.3	3434.4	3560.7	3714.4	3759.2	3674.1
70°	2661.4	2694.3	3045.6	3427.1	3448.2	3331.1	3386.0	3450.9	3535.1	3513.1	3401.5
72.5°	2100.6	2168.3	2523.2	3066.7	3186.5	3102.3	3123.4	3155.4	3070.3	2944.1	2811.4
75°	1495.8	1556.2	1887.4	2418.9	2774.8	2741.0	2770.2	2719.0	2624.8	2509.5	2379.6
77.5°	1040.2	1059.4	1333.0	1825.2	2217.7	2321.0	2384.2	2311.9	2258.8	2120.7	2016.4
80°	673.3	705.4	877.4	1322.0	1757.5	1968.8	2070.4	2023.7	1900.2	1679.7	1560.8
82.5°	417.2	442.8	578.2	938.7	1393.4	1687.0	1784.9	1720.9	1523.3	1277.2	1158.2
85°	238.8	244.3	338.5	611.1	1018.3	1340.3	1471.1	1368.7	1139.0	901.2	796.9
87.5°	137.2	141.8	202.2	374.2	704.5	1010.0	1134.4	985.3	764.8	579.1	510.5
90°	87.8	93.3	130.8	244.3	453.8	721.8	813.3	676.1	512.3	366.9	323.0
92.5°	60.4	63.1	87.8	151.9	292.8	476.7	543.4	451.9	319.3	234.2	207.7
95°	43.9	45.7	62.2	103.4	188.5	299.2	335.8	286.4	209.5	155.5	139.1
97.5°	35.7	36.6	48.5	75.9	129.9	190.3	201.3	178.4	139.1	110.7	104.3
100°	30.2	31.1	40.3	58.6	92.4	124.4	127.2	119.8	97.9	82.3	78.7
102.5°	27.4	27.4	33.9	47.6	69.5	88.7	88.7	82.3	67.7	60.4	60.4
105°	24.7	24.7	29.3	39.3	54.9	68.6	67.7	60.4	51.2	45.7	46.7
107.5°	22.0	22.0	25.6	32.0	44.8	54.0	52.1	44.8	39.3	35.7	36.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	20.1	20.1	22.9	27.4	37.5	44.8	42.1	34.8	29.3	29.3	30.2
112.5°	18.3	18.3	20.1	24.7	32.0	36.6	33.9	27.4	23.8	23.8	24.7
115°	16.5	16.5	18.3	22.0	28.4	31.1	28.4	22.0	19.2	20.1	22.0
117.5°	15.6	15.6	17.4	20.1	24.7	26.5	23.8	18.3	16.5	18.3	19.2
120°	14.6	14.6	16.5	19.2	22.9	23.8	20.1	16.5	14.6	16.5	17.4
122.5°	14.6	14.6	15.6	18.3	21.0	21.0	18.3	14.6	12.8	14.6	15.6
125°	14.6	14.6	15.6	17.4	19.2	19.2	16.5	12.8	11.9	13.7	13.7
127.5°	15.6	15.6	16.5	17.4	18.3	17.4	14.6	11.9	11.0	12.8	12.8
130°	15.6	15.6	15.6	16.5	16.5	15.6	12.8	11.0	11.0	11.9	12.8
132.5°	15.6	15.6	15.6	15.6	15.6	13.7	11.9	10.1	11.0	11.9	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.9	10.1	8.2	10.1	11.0	11.0
137.5°	12.8	13.7	12.8	12.8	12.8	11.0	8.2	7.3	8.2	10.1	10.1
140°	11.9	11.9	11.9	11.9	11.0	9.1	7.3	5.5	6.4	8.2	8.2
142.5°	11.0	11.0	11.0	10.1	10.1	8.2	5.5	4.6	5.5	6.4	6.4
145°	9.1	9.1	9.1	9.1	8.2	6.4	4.6	3.7	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	6.4	5.5	3.7	3.7	4.6	4.6	4.6
150°	5.5	6.4	6.4	6.4	5.5	4.6	2.7	2.7	3.7	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	2.7	1.8	2.7	3.7	3.7	3.7
155°	2.7	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7
157.5°	1.8	1.8	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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°	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7
2.5°	185.7	184.8	183.0	181.1	180.2	180.2	178.4	177.5	174.7	174.7	173.8
5°	189.4	187.5	183.9	180.2	177.5	176.6	174.7	172.0	170.2	169.3	169.3
7.5°	197.6	194.9	187.5	183.0	179.3	176.6	174.7	172.0	170.2	169.3	169.3
10°	211.3	206.8	198.5	190.3	184.8	181.1	179.3	178.4	177.5	176.6	176.6
12.5°	237.9	231.5	217.7	207.7	196.7	191.2	189.4	191.2	195.8	197.6	198.5
15°	274.5	266.2	249.8	231.5	215.0	205.8	209.5	218.7	226.9	230.5	229.6
17.5°	320.2	307.4	287.3	262.6	239.7	235.1	238.8	248.8	260.7	266.2	265.3
20°	378.8	368.7	338.5	298.2	272.6	265.3	268.1	280.9	298.2	303.7	305.6
22.5°	459.3	444.6	398.0	342.2	308.3	294.6	297.3	313.8	337.6	350.4	353.1
25°	563.6	548.0	479.4	394.3	341.2	320.2	331.2	353.1	391.6	411.7	409.9
27.5°	684.3	657.8	568.1	458.4	379.7	346.7	363.2	398.9	439.1	464.8	462.9
30°	795.9	773.1	653.2	516.9	412.6	372.4	389.7	435.5	482.1	513.2	515.1
32.5°	963.4	921.3	752.9	567.2	439.1	393.4	409.9	465.7	519.6	557.2	556.2
35°	1136.3	1088.7	862.7	625.8	462.0	407.1	424.5	487.6	547.1	591.9	592.8
37.5°	1318.3	1251.6	960.6	664.2	480.3	415.4	432.7	503.2	579.1	630.3	632.2
40°	1440.9	1365.0	1020.1	684.3	485.8	420.8	440.1	514.2	584.6	622.1	625.8
42.5°	1578.2	1471.1	1051.2	667.9	479.4	419.9	441.9	505.9	560.8	587.4	590.1
45°	1767.5	1623.9	1085.0	642.2	462.0	417.2	434.6	484.0	519.6	529.7	529.7
47.5°	2013.6	1809.6	1141.8	614.8	443.7	408.9	421.8	453.8	467.5	465.7	461.1
50°	2309.1	2073.1	1210.4	591.0	426.3	398.9	407.1	425.4	430.0	424.5	421.8
52.5°	2603.7	2285.4	1258.0	570.0	415.4	389.7	395.2	408.9	408.9	392.5	389.7
55°	2873.6	2477.5	1245.1	529.7	407.1	385.2	390.7	400.7	392.5	373.3	369.6
57.5°	3310.0	2809.6	1278.1	490.4	395.2	384.2	391.6	398.0	386.1	367.8	364.1
60°	3387.8	2795.9	1200.3	465.7	387.0	387.0	395.2	402.5	394.3	377.8	376.9
62.5°	3495.7	2808.7	1082.3	430.0	381.5	388.8	403.5	414.4	413.5	401.6	399.8
64°	3571.7	2827.0	1040.2	413.5	376.9	388.8	409.9	426.3	426.3	412.6	412.6
65°	3496.7	2757.4	1009.1	405.3	372.4	388.8	413.5	433.7	431.8	420.8	419.0
67.5°	3269.8	2531.5	877.4	387.0	362.3	388.8	423.6	445.5	448.3	439.1	435.5
70°	2992.6	2284.4	763.0	366.0	352.2	384.2	423.6	452.9	457.4	447.4	444.6
72.5°	2439.1	1837.1	629.4	343.1	337.6	373.3	418.1	449.2	453.8	441.9	438.2
75°	2044.7	1500.4	521.5	321.1	322.0	359.5	404.4	432.7	432.7	419.9	414.4
77.5°	1684.3	1211.3	431.8	300.1	303.7	342.2	379.7	398.0	392.5	380.6	373.3
80°	1261.6	914.9	355.9	277.2	280.9	313.8	344.9	357.7	352.2	337.6	335.8
82.5°	923.1	657.8	303.7	253.4	256.2	282.7	305.6	316.5	321.1	309.2	305.6
85°	606.6	463.8	260.7	229.6	231.5	251.6	266.2	275.4	285.4	281.8	280.0
87.5°	396.1	321.1	220.5	202.2	204.0	220.5	230.5	239.7	259.8	262.6	258.9
90°	266.2	225.1	182.1	174.7	177.5	191.2	196.7	205.8	227.8	231.5	231.5
92.5°	178.4	161.0	147.3	147.3	151.9	163.8	164.7	167.4	185.7	190.3	188.5
95°	125.3	119.8	118.9	120.8	126.3	135.4	130.8	129.0	140.9	141.8	140.0
97.5°	96.1	94.2	96.1	98.8	101.6	110.7	106.1	101.6	107.0	105.2	107.0
100°	76.8	75.9	78.7	78.7	81.4	89.7	86.0	83.3	84.2	80.5	80.5
102.5°	61.3	61.3	64.0	65.0	66.8	73.2	72.3	69.5	67.7	64.0	65.0
105°	47.6	48.5	52.1	53.1	55.8	61.3	60.4	56.7	54.9	50.3	51.2
107.5°	38.4	40.3	43.0	43.9	46.7	51.2	49.4	45.7	43.0	41.2	41.2



REPORT NUMBER: P416415

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.0	32.9	35.7	36.6	39.3	43.0	42.1	37.5	33.9	32.9	33.9
112.5°	26.5	28.4	30.2	31.1	33.9	36.6	33.9	30.2	27.4	28.4	28.4
115°	22.9	23.8	25.6	26.5	28.4	31.1	28.4	24.7	22.9	23.8	24.7
117.5°	21.0	22.0	22.9	22.9	24.7	26.5	23.8	21.0	20.1	21.0	22.0
120°	18.3	19.2	20.1	21.0	22.0	22.9	21.0	18.3	17.4	19.2	19.2
122.5°	16.5	17.4	17.4	18.3	19.2	20.1	18.3	16.5	15.6	16.5	17.4
125°	14.6	15.6	16.5	16.5	17.4	17.4	16.5	14.6	14.6	15.6	15.6
127.5°	13.7	14.6	14.6	15.6	15.6	15.6	14.6	12.8	13.7	14.6	14.6
130°	13.7	13.7	13.7	13.7	13.7	13.7	12.8	11.9	12.8	13.7	13.7
132.5°	12.8	12.8	12.8	12.8	12.8	11.9	11.0	11.0	11.9	12.8	12.8
135°	11.9	11.9	11.0	11.0	11.0	11.0	10.1	10.1	10.1	11.0	11.0
137.5°	10.1	10.1	9.1	9.1	9.1	9.1	8.2	8.2	9.1	10.1	10.1
140°	8.2	8.2	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2	9.1
142.5°	6.4	6.4	6.4	5.5	5.5	6.4	6.4	6.4	7.3	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	4.6	4.6	4.6	3.7	2.7	4.6	4.6	4.6	5.5	4.6	4.6
150°	4.6	4.6	3.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	2.7	1.8	1.8	2.7	3.7	2.7	2.7	2.7
155°	3.7	3.7	2.7	2.7	1.8	0.9	1.8	2.7	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	0.9	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)