

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: P416293

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7225 lumens  
Efficiency: N/A  
Efficacy: 97.6 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: B2 - U3 - G3

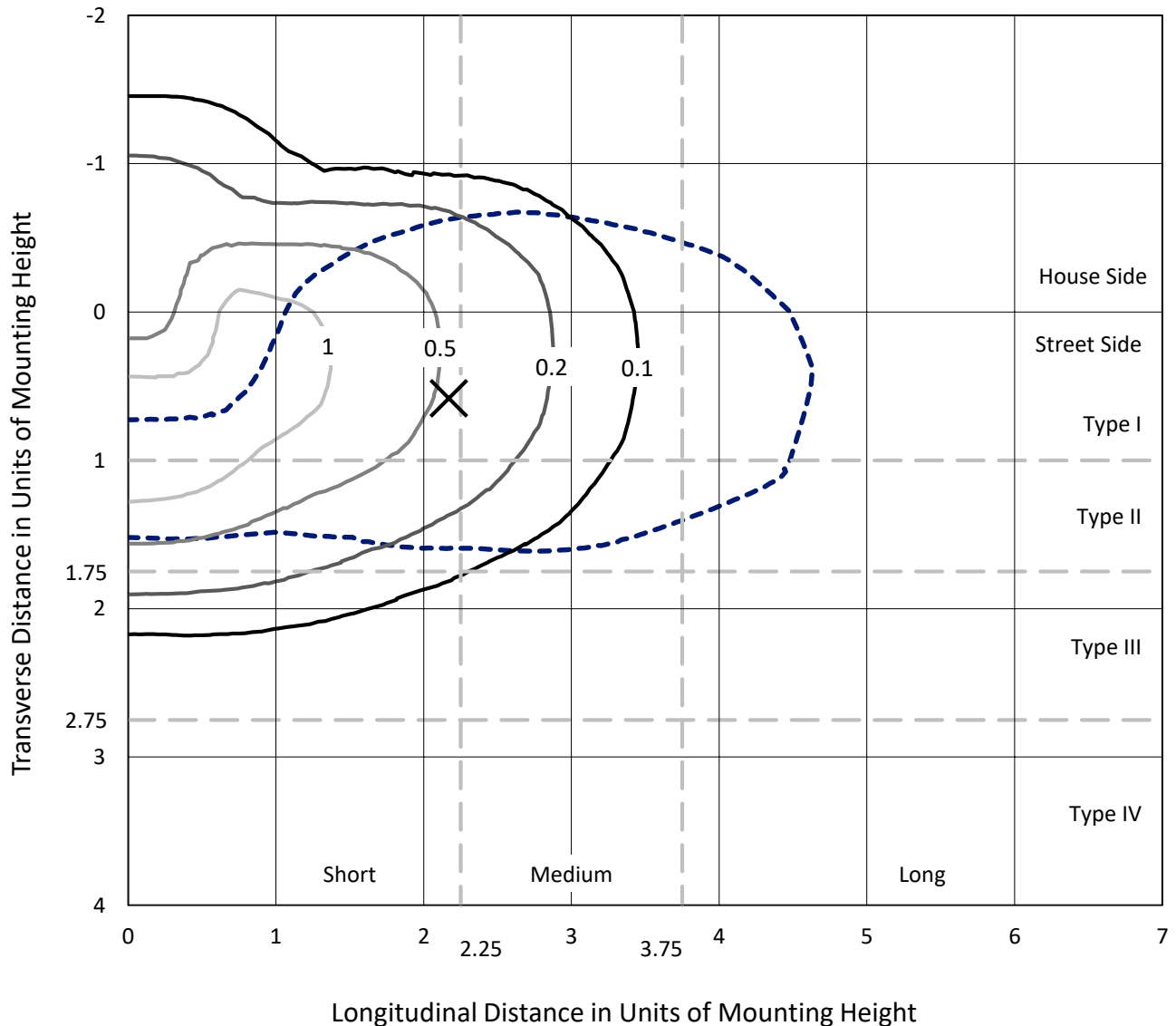
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416293  
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

### Iso-Footcandle Lines of Horizontal Illumination

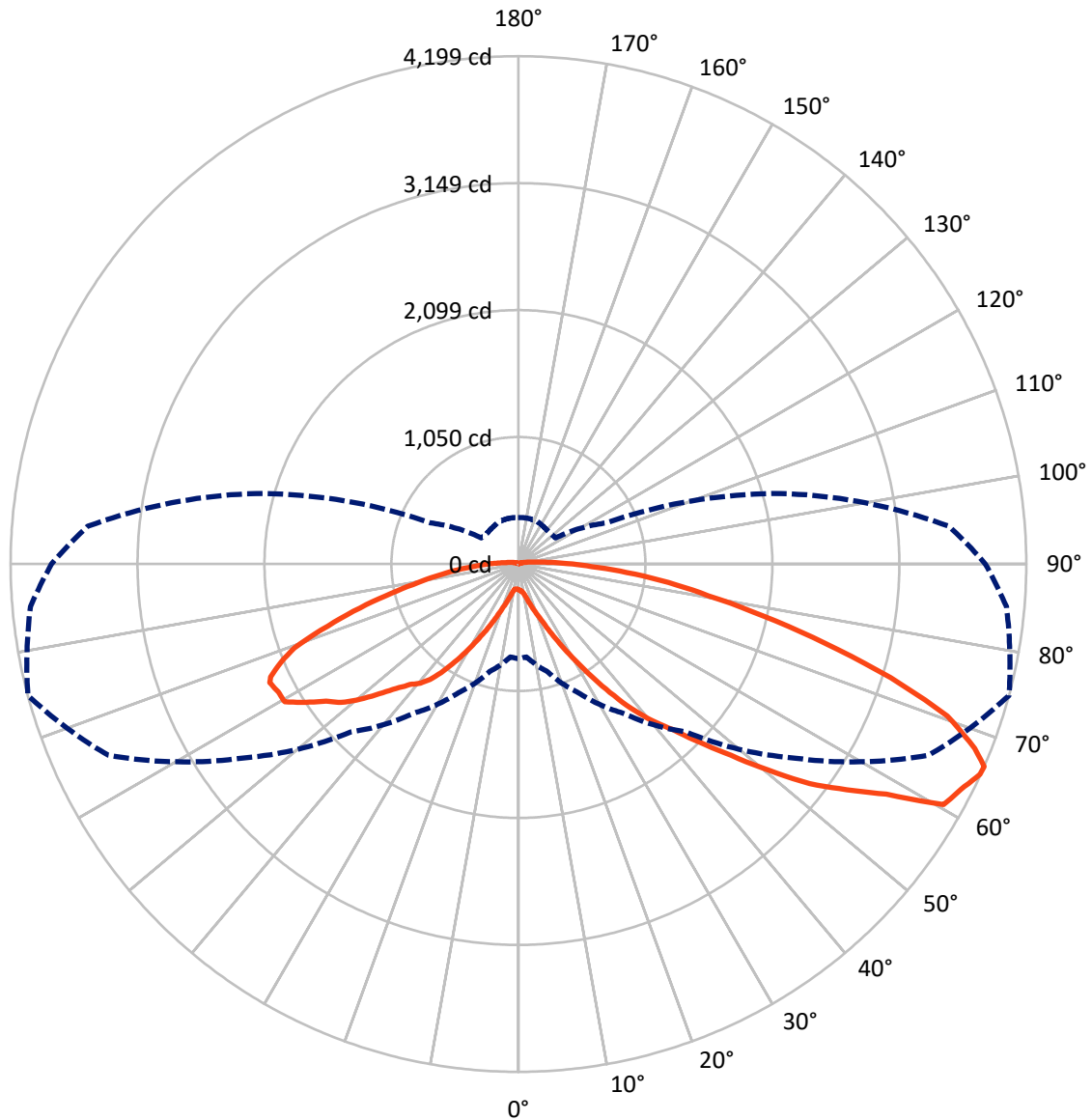
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416293  
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P416293

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

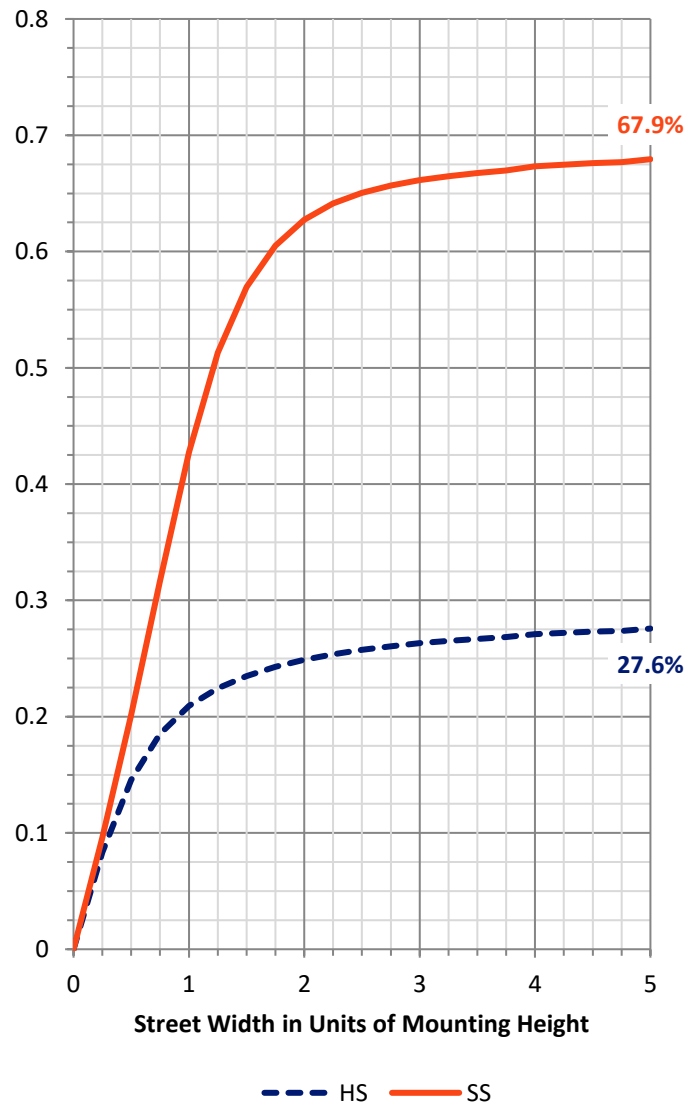
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2052.1	100.2	2152.3
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	4973.7	99.1	5072.8
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	7025.7	199.3	7225.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	0.3
10°-20°	90.8	1.3
20°-30°	275.4	3.8
30°-40°	681.1	9.4
40°-50°	1229.9	17.0
50°-60°	1661.8	23.0
60°-70°	1668.2	23.1
70°-80°	1007.6	13.9
80°-90°	389.5	5.4
90°-100°	115.7	1.6
100°-110°	41.8	0.6
110°-120°	20.2	0.3
120°-130°	11.9	0.2
130°-140°	7.1	0.1
140°-150°	2.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7025.7	97.2
0°-180°	7225.0	100.0



REPORT NUMBER: P416293

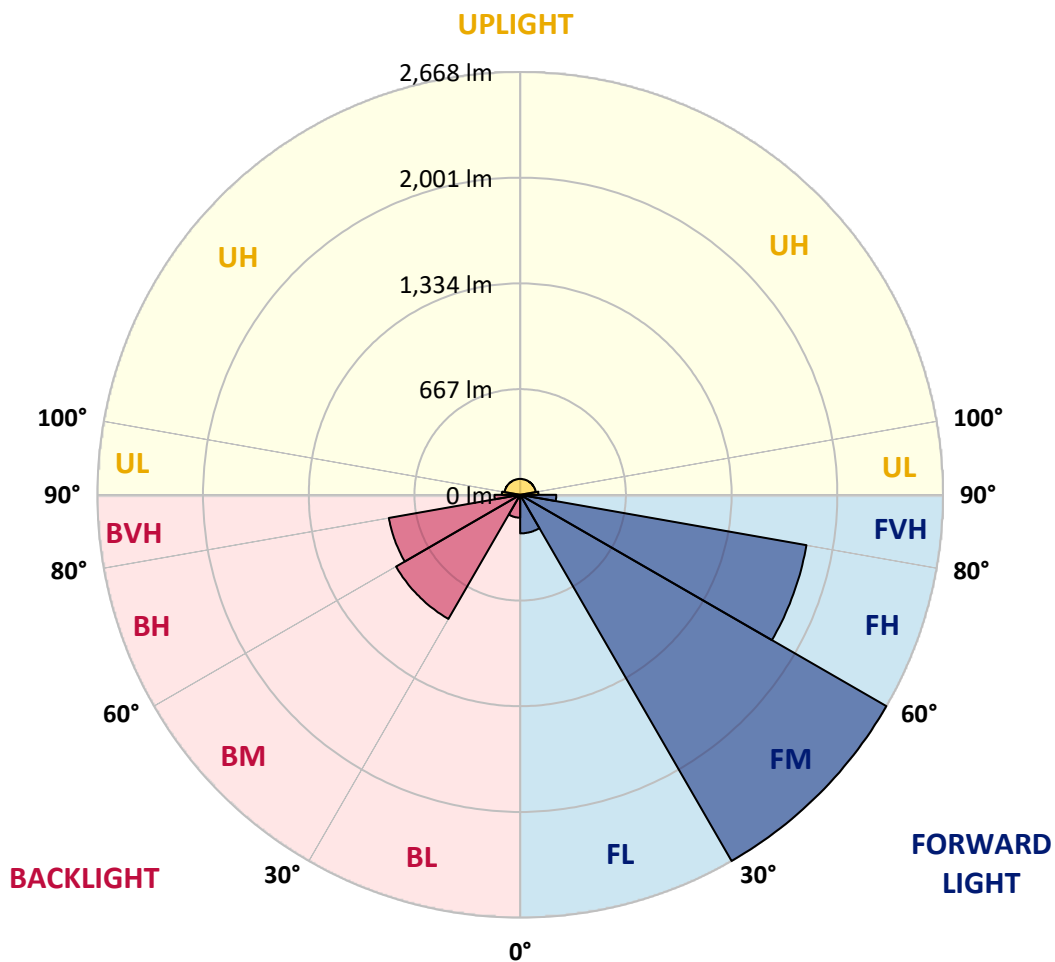
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.4	3.4			
FM	(30°-60°)	2668.3	36.9			
FH	(60°-80°)	1834.5	25.4			G2/5000
FVH	(80°-90°)	227.5	3.1			G3/500
BL	(0°-30°)	144.2	2.0	B1/500		
BM	(30°-60°)	904.5	12.5	B1/1000		
BH	(60°-80°)	841.3	11.6	B2/1000		G2/1000
BVH	(80°-90°)	162.0	2.2			G2/225
UL	(90°-100°)	115.7	1.6		U3/500	
UH	(100°-180°)	100.2	1.4		U3/500	

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

Type II Short





REPORT NUMBER: P416293

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3
2.5°	235.0	233.3	231.6	230.0	228.3	226.6	223.3	219.1	215.8	215.8	212.5
5°	256.6	255.0	252.5	249.1	245.8	242.5	235.8	229.1	222.5	222.5	216.6
7.5°	283.3	282.5	279.1	275.0	267.5	260.0	251.6	241.6	232.5	231.6	224.1
10°	317.4	315.8	310.8	305.0	296.6	286.6	275.0	262.5	249.1	248.3	239.1
12.5°	364.9	361.6	353.3	344.1	328.3	318.3	305.0	293.3	283.3	280.8	268.3
15°	426.6	422.4	413.3	397.4	376.6	358.3	350.8	338.3	327.4	324.1	312.5
17.5°	505.8	501.6	485.8	460.8	439.1	420.8	404.1	391.6	382.4	381.6	364.9
20°	614.1	604.1	578.2	543.2	514.9	492.4	469.1	454.9	445.8	442.4	432.4
22.5°	747.4	744.9	708.2	662.4	615.7	574.9	549.1	533.2	526.6	527.4	521.6
25°	917.4	909.9	874.9	808.2	738.2	686.6	650.7	640.7	639.9	634.1	631.6
27.5°	1099.0	1089.0	1043.2	979.0	886.5	816.5	776.5	765.7	768.2	761.5	766.5
30°	1321.5	1316.5	1249.8	1156.5	1056.5	964.8	923.2	914.0	919.9	928.2	923.2
32.5°	1596.4	1603.9	1513.1	1387.3	1247.3	1141.5	1095.7	1092.3	1100.7	1099.0	1096.5
35°	1931.4	1944.7	1818.9	1666.4	1473.9	1348.1	1290.6	1286.5	1303.1	1301.5	1303.1
37.5°	2289.6	2295.5	2193.0	1951.4	1727.2	1553.1	1505.6	1500.6	1516.4	1507.3	1498.1
40°	2572.1	2599.6	2479.6	2272.1	1979.7	1802.2	1744.7	1717.2	1703.1	1693.1	1626.4
42.5°	2839.6	2822.9	2737.9	2507.1	2238.8	2045.5	1968.9	1917.2	1871.4	1864.7	1791.4
45°	3014.5	2993.7	2912.9	2699.6	2447.9	2288.0	2217.1	2154.7	2103.0	2079.7	1991.4
47.5°	3024.5	3014.5	2995.4	2835.4	2615.4	2476.3	2452.9	2419.6	2363.0	2363.8	2250.5
50°	2872.0	2856.2	2912.0	2851.2	2698.7	2625.4	2713.7	2750.4	2677.9	2670.4	2552.9
52.5°	2602.1	2593.8	2695.4	2755.4	2701.2	2729.6	2939.5	3072.8	3016.2	2986.2	2834.6
55°	2328.8	2338.8	2427.1	2523.8	2612.9	2759.6	3139.5	3405.3	3293.6	3273.6	3084.5
57.5°	1956.4	1989.7	2121.3	2273.0	2413.0	2717.9	3244.5	3616.1	3587.8	3580.3	3418.6
60°	1548.1	1544.8	1739.7	1960.5	2190.5	2580.4	3250.3	3881.1	4038.5	4002.7	3774.4
62.5°	1202.3	1210.6	1350.6	1627.2	1935.5	2371.3	3170.3	3999.4	4104.4	4063.5	3864.4
65°	870.7	884.0	1054.8	1278.1	1626.4	2088.8	2942.9	3838.6	4193.5	4168.5	4056.0
66°	782.4	770.7	920.7	1174.0	1504.8	1963.9	2799.6	3741.1	4198.5	4184.3	4050.2
67.5°	629.1	644.1	759.9	980.7	1309.0	1764.7	2540.4	3585.3	4068.5	4049.4	3959.4
70°	465.8	479.9	559.1	735.7	993.2	1407.3	2100.5	3097.0	3761.9	3776.1	3766.1
72.5°	344.9	359.9	414.1	541.6	734.9	1046.5	1664.7	2610.4	3217.0	3250.3	3227.0
75°	268.3	274.1	319.1	408.3	537.4	737.4	1231.5	2023.0	2618.8	2680.4	2702.1
77.5°	215.8	220.8	257.5	315.0	402.4	538.2	863.2	1508.1	2073.0	2116.3	2157.2
80°	174.1	177.5	207.5	253.3	308.3	384.9	582.4	1095.7	1590.6	1615.6	1675.6
82.5°	140.0	142.5	164.1	203.3	246.6	292.5	414.1	764.9	1249.0	1272.3	1348.1
85°	110.0	111.6	130.8	161.6	198.3	231.6	299.1	540.7	899.9	921.5	1013.2
87.5°	86.7	88.3	103.3	125.8	160.0	183.3	220.8	364.1	607.4	638.2	742.4
90°	68.3	69.2	80.0	97.5	124.1	149.1	173.3	254.1	404.9	422.4	480.8
92.5°	51.7	52.5	60.8	74.2	96.7	118.3	132.5	175.8	259.1	266.6	308.3
95°	38.3	39.2	45.8	54.2	72.5	92.5	102.5	123.3	163.3	173.3	184.1
97.5°	30.0	30.8	35.0	40.0	53.3	72.5	81.7	90.8	111.6	115.0	123.3
100°	25.8	25.8	28.3	31.7	40.0	56.7	64.2	71.7	84.2	84.2	89.2
102.5°	21.7	21.7	23.3	25.0	32.5	45.0	51.7	56.7	63.3	64.2	68.3
105°	19.2	19.2	20.0	21.7	27.5	36.7	42.5	45.0	49.2	49.2	50.8
107.5°	16.7	16.7	17.5	18.3	24.2	30.8	34.2	35.0	36.7	36.7	39.2



REPORT NUMBER: P416293

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.8	15.8	15.8	16.7	20.8	26.7	28.3	27.5	28.3	28.3	30.8
112.5°	15.0	14.2	14.2	15.0	19.2	23.3	23.3	22.5	22.5	22.5	25.0
115°	14.2	14.2	13.3	14.2	17.5	20.0	20.0	18.3	18.3	18.3	20.8
117.5°	14.2	14.2	13.3	13.3	15.8	18.3	17.5	15.8	15.0	15.8	18.3
120°	14.2	14.2	12.5	12.5	15.0	15.8	15.8	13.3	13.3	13.3	15.8
122.5°	14.2	14.2	12.5	12.5	14.2	15.0	14.2	11.7	11.7	11.7	14.2
125°	15.0	14.2	12.5	12.5	13.3	13.3	12.5	10.8	10.0	10.0	12.5
127.5°	15.0	15.0	13.3	12.5	12.5	12.5	11.7	10.0	9.2	9.2	11.7
130°	16.7	15.8	14.2	12.5	11.7	10.8	10.0	9.2	9.2	9.2	10.8
132.5°	16.7	16.7	14.2	11.7	10.8	10.0	9.2	7.5	8.3	8.3	10.0
135°	15.8	15.0	12.5	10.8	10.0	8.3	7.5	6.7	7.5	7.5	9.2
137.5°	14.2	13.3	11.7	9.2	8.3	6.7	5.8	5.0	5.8	5.8	7.5
140°	11.7	11.7	9.2	7.5	6.7	5.8	5.0	3.3	4.2	5.0	5.8
142.5°	10.0	9.2	7.5	5.8	5.0	4.2	3.3	2.5	3.3	3.3	4.2
145°	8.3	7.5	5.8	4.2	3.3	2.5	1.7	1.7	1.7	1.7	2.5
147.5°	6.7	5.8	4.2	2.5	1.7	1.7	0.8	0.8	1.7	1.7	1.7
150°	5.0	5.0	3.3	1.7	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.2	4.2	2.5	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.5	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.0	0.0	0.0	0.0	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





REPORT NUMBER: P416293

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3	213.3
2.5°	211.6	210.0	208.3	206.6	205.0	204.1	201.6	200.0	200.0	200.0	199.1
5°	214.1	210.8	206.6	203.3	199.1	195.8	193.3	190.8	189.1	189.1	189.1
7.5°	220.0	216.6	209.1	202.5	196.6	191.6	188.3	185.8	185.0	184.1	184.1
10°	233.3	227.5	217.5	207.5	199.1	192.5	189.1	187.5	186.6	186.6	186.6
12.5°	263.3	255.0	240.0	223.3	209.1	199.1	195.8	195.8	200.8	203.3	203.3
15°	303.3	295.8	278.3	255.0	232.5	215.8	213.3	219.1	225.8	229.1	228.3
17.5°	358.3	348.3	324.9	294.1	264.1	247.5	240.0	245.8	254.1	258.3	258.3
20°	423.3	413.3	381.6	339.9	303.3	285.0	273.3	273.3	284.1	287.5	289.1
22.5°	512.4	497.4	452.4	394.9	347.4	319.1	305.0	302.5	315.0	320.8	319.1
25°	612.4	600.7	548.2	462.4	400.8	354.9	335.8	335.8	351.6	364.9	365.8
27.5°	752.4	723.2	649.9	544.9	452.4	388.3	367.4	371.6	388.3	401.6	401.6
30°	899.0	878.2	770.7	632.4	502.4	419.1	389.1	395.8	410.8	425.8	425.8
32.5°	1076.5	1041.5	909.0	719.1	548.2	439.1	400.8	409.9	427.4	442.4	442.4
35°	1249.8	1221.5	1048.2	809.9	588.2	447.4	405.8	416.6	436.6	454.9	456.6
37.5°	1451.4	1389.8	1184.0	891.5	617.4	449.1	404.1	423.3	449.9	470.8	471.6
40°	1572.3	1498.1	1275.6	952.3	630.7	443.3	404.1	428.3	450.8	458.3	457.4
42.5°	1715.6	1622.2	1339.8	959.8	614.1	431.6	403.3	422.4	432.4	432.4	431.6
45°	1908.0	1803.0	1441.4	964.0	579.9	417.4	396.6	409.1	406.6	399.1	396.6
47.5°	2143.8	2016.3	1570.6	979.0	546.6	403.3	389.1	392.4	380.8	364.1	363.3
50°	2425.5	2275.5	1722.2	994.8	517.4	391.6	382.4	379.1	367.4	353.3	351.6
52.5°	2689.6	2508.8	1859.7	1005.7	493.3	384.1	377.4	376.6	364.9	346.6	344.9
55°	2928.7	2712.1	1952.2	984.8	471.6	380.8	377.4	378.3	363.3	344.9	342.4
57.5°	3274.5	3037.0	2098.8	954.0	445.8	379.9	379.9	380.8	362.4	344.9	342.4
60°	3575.3	3311.1	2243.0	951.5	420.8	379.1	380.8	379.9	366.6	355.8	353.3
62.5°	3678.6	3427.0	2249.6	891.5	404.9	374.9	377.4	381.6	379.1	374.1	371.6
65°	3873.6	3598.6	2278.0	824.0	382.4	367.4	373.3	384.1	385.8	382.4	379.9
66°	3859.4	3574.4	2250.5	803.2	374.9	363.3	370.8	382.4	385.8	384.9	383.3
67.5°	3789.4	3511.9	2159.7	744.0	364.1	355.8	366.6	378.3	385.8	388.3	386.6
70°	3600.3	3323.6	1978.9	654.9	343.3	338.3	353.3	368.3	380.8	384.9	384.1
72.5°	3067.8	2804.6	1655.6	559.1	314.1	313.3	330.8	349.1	364.1	368.3	366.6
75°	2575.4	2316.3	1359.8	460.8	284.1	285.0	301.6	319.1	330.8	330.8	331.6
77.5°	2064.7	1845.5	1077.3	382.4	253.3	253.3	265.0	279.1	286.6	283.3	278.3
80°	1588.1	1443.1	841.5	319.9	222.5	220.8	226.6	237.5	243.3	235.8	230.0
82.5°	1282.3	1157.3	665.7	266.6	192.5	190.8	193.3	200.8	204.1	195.8	193.3
85°	973.2	860.7	500.8	219.1	166.6	162.5	166.6	168.3	172.5	165.0	160.0
87.5°	688.2	609.9	363.3	182.5	142.5	140.0	139.1	140.8	143.3	138.3	135.8
90°	462.4	405.8	262.5	152.5	121.6	117.5	115.8	115.8	117.5	109.1	106.6
92.5°	296.6	262.5	182.5	121.6	101.7	96.7	93.3	94.2	93.3	85.0	83.3
95°	185.0	167.5	131.6	95.8	81.7	77.5	74.2	73.3	72.5	66.7	65.0
97.5°	120.8	115.0	98.3	75.8	65.0	61.7	60.0	59.2	59.2	55.0	52.5
100°	90.0	87.5	77.5	63.3	53.3	50.8	49.2	49.2	50.8	47.5	45.8
102.5°	70.0	70.8	63.3	53.3	45.0	43.3	41.7	41.7	43.3	41.7	40.8
105°	53.3	53.3	51.7	44.2	38.3	37.5	35.8	35.8	37.5	37.5	37.5
107.5°	41.7	43.3	41.7	36.7	33.3	32.5	30.8	30.8	32.5	33.3	34.2



REPORT NUMBER: P416293

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.3	35.0	34.2	31.7	29.2	28.3	26.7	25.8	27.5	30.0	30.0
112.5°	26.7	28.3	28.3	26.7	25.0	25.0	23.3	22.5	24.2	26.7	26.7
115°	22.5	24.2	24.2	23.3	22.5	21.7	20.0	19.2	20.8	23.3	24.2
117.5°	19.2	20.8	20.8	20.8	20.0	19.2	17.5	16.7	17.5	20.0	20.8
120°	17.5	18.3	18.3	18.3	17.5	17.5	15.8	15.0	15.8	18.3	18.3
122.5°	15.0	15.8	16.7	16.7	15.8	15.8	14.2	12.5	13.3	15.8	16.7
125°	13.3	14.2	15.0	15.0	14.2	14.2	12.5	11.7	12.5	14.2	15.0
127.5°	12.5	13.3	13.3	13.3	13.3	12.5	10.8	10.0	10.8	13.3	13.3
130°	11.7	12.5	12.5	12.5	11.7	10.8	10.0	9.2	10.0	12.5	12.5
132.5°	10.8	11.7	11.7	10.8	10.8	10.0	8.3	7.5	9.2	10.8	10.8
135°	9.2	10.0	10.0	10.0	9.2	8.3	7.5	6.7	8.3	9.2	9.2
137.5°	7.5	8.3	8.3	8.3	7.5	6.7	5.8	5.8	6.7	8.3	8.3
140°	5.8	6.7	6.7	6.7	5.8	5.8	5.0	4.2	5.8	6.7	6.7
142.5°	4.2	5.0	5.0	5.0	4.2	4.2	3.3	3.3	5.0	5.8	5.8
145°	2.5	3.3	3.3	3.3	3.3	2.5	2.5	2.5	3.3	4.2	4.2
147.5°	1.7	2.5	2.5	2.5	2.5	1.7	0.8	1.7	2.5	3.3	3.3
150°	0.8	1.7	1.7	1.7	1.7	0.8	0.0	0.8	1.7	2.5	2.5
152.5°	0.8	0.8	1.7	1.7	0.8	0.8	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)