

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: P416345

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416345  
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-PA1-70-740-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 7933 lumens  
Efficiency: N/A  
Efficacy: 107.2 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

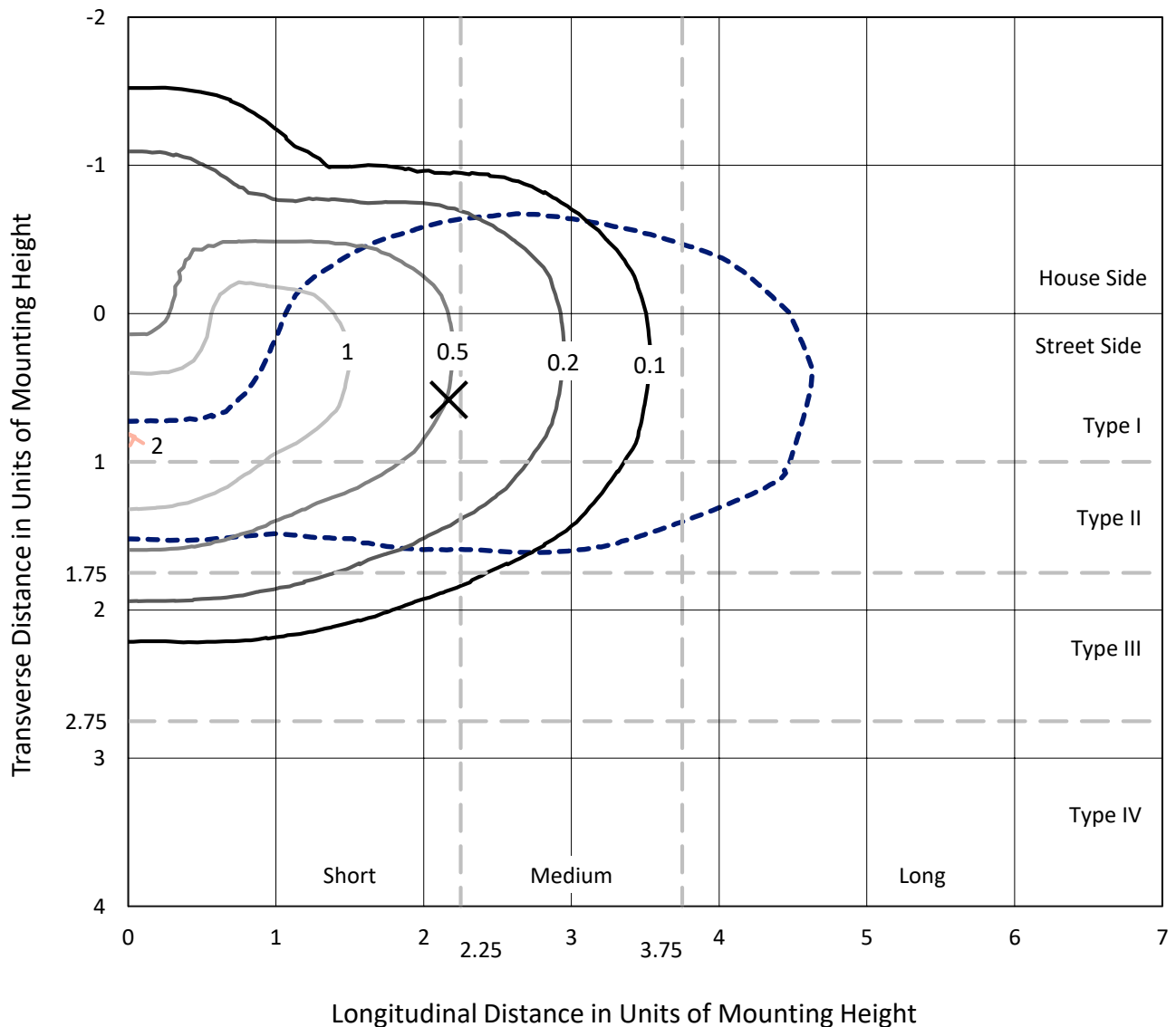
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416345  
 CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

### Iso-Footcandle Lines of Horizontal Illumination

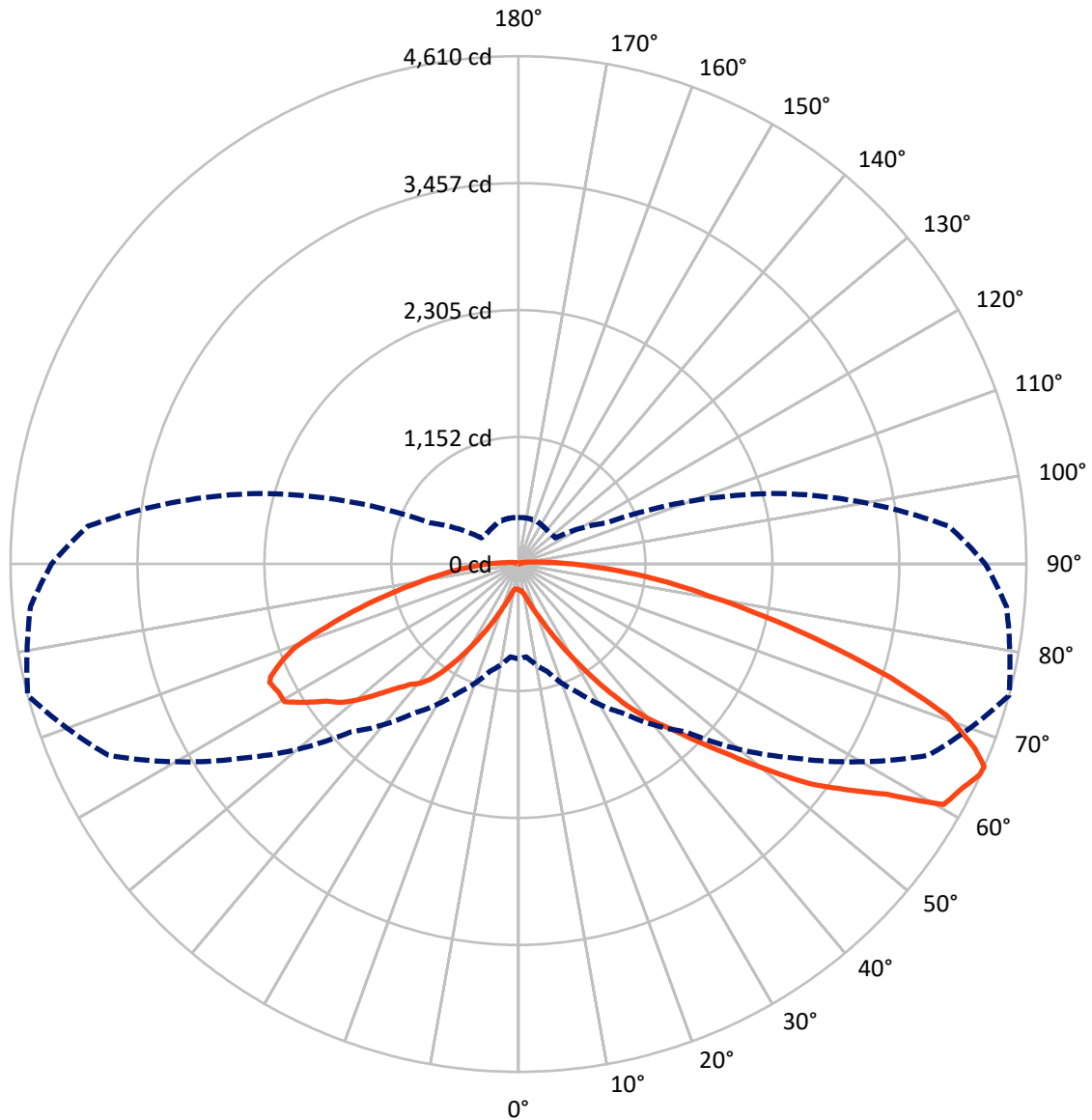
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416345  
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P416345

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2253.1	110.0	2363.2
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	5461.1	108.8	5569.8
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	7714.2	218.8	7933.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.6	0.3
10°-20°	99.6	1.3
20°-30°	302.3	3.8
30°-40°	747.8	9.4
40°-50°	1350.4	17.0
50°-60°	1824.7	23.0
60°-70°	1831.7	23.1
70°-80°	1106.3	13.9
80°-90°	427.7	5.4
90°-100°	127.0	1.6
100°-110°	45.8	0.6
110°-120°	22.2	0.3
120°-130°	13.1	0.2
130°-140°	7.8	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7714.2	97.2
0°-180°	7933.0	100.0



REPORT NUMBER: P416345

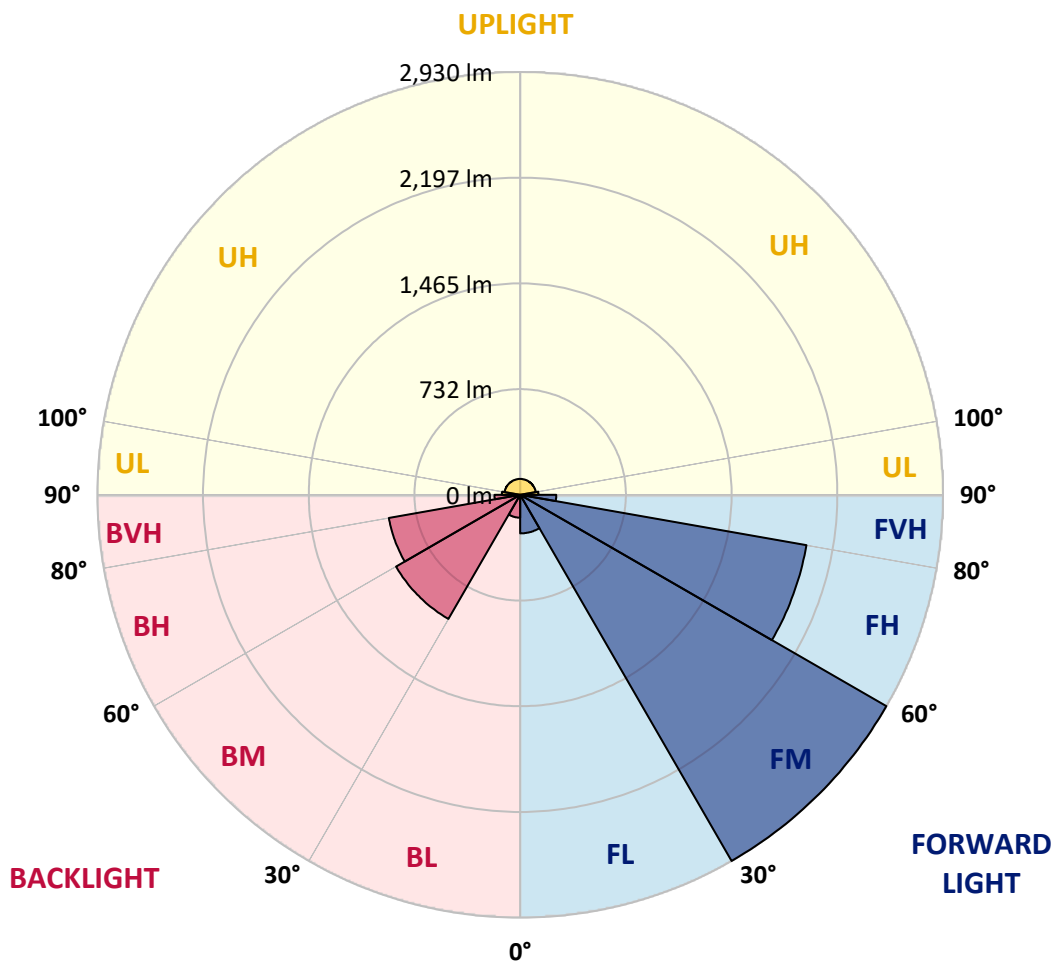
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.3	3.4			
FM	(30°-60°)	2929.8	36.9			
FH	(60°-80°)	2014.3	25.4			G2/5000
FVH	(80°-90°)	249.8	3.1			G3/500
BL	(0°-30°)	158.4	2.0	B1/500		
BM	(30°-60°)	993.2	12.5	B1/1000		
BH	(60°-80°)	923.7	11.6	B2/1000		G2/1000
BVH	(80°-90°)	177.9	2.2			G2/225
UL	(90°-100°)	127.0	1.6		U3/500	
UH	(100°-180°)	110.0	1.4		U3/500	

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

Type II Short





REPORT NUMBER: P416345

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2
2.5°	258.0	256.2	254.3	252.5	250.7	248.8	245.2	240.6	236.9	236.9	233.3
5°	281.8	279.9	277.2	273.5	269.9	266.2	258.9	251.6	244.3	244.3	237.9
7.5°	311.0	310.1	306.5	301.9	293.7	285.4	276.3	265.3	255.2	254.3	246.1
10°	348.6	346.7	341.2	334.8	325.7	314.7	301.9	288.2	273.5	272.6	262.6
12.5°	400.7	397.0	387.9	377.8	360.5	349.5	334.8	322.0	311.0	308.3	294.6
15°	468.4	463.8	453.8	436.4	413.5	393.4	385.2	371.4	359.5	355.9	343.1
17.5°	555.3	550.7	533.4	505.9	482.1	462.0	443.7	430.0	419.9	419.0	400.7
20°	674.2	663.3	634.9	596.5	565.4	540.7	515.1	499.5	489.4	485.8	474.8
22.5°	820.6	817.9	777.6	727.3	676.1	631.2	602.9	585.5	578.2	579.1	572.7
25°	1007.2	999.0	960.6	887.4	810.6	753.8	714.5	703.5	702.6	696.2	693.5
27.5°	1206.7	1195.7	1145.4	1074.9	973.4	896.6	852.6	840.7	843.5	836.2	841.7
30°	1451.0	1445.5	1372.3	1269.8	1160.0	1059.4	1013.7	1003.6	1010.0	1019.1	1013.7
32.5°	1752.9	1761.1	1661.4	1523.2	1369.5	1253.3	1203.0	1199.4	1208.5	1206.7	1203.9
35°	2120.6	2135.3	1997.1	1829.7	1618.4	1480.2	1417.1	1412.5	1430.8	1429.0	1430.8
37.5°	2514.0	2520.4	2407.9	2142.6	1896.5	1705.3	1653.1	1647.6	1665.0	1655.0	1644.9
40°	2824.1	2854.3	2722.6	2494.8	2173.7	1978.8	1915.7	1885.5	1870.0	1859.0	1785.8
42.5°	3117.8	3099.5	3006.2	2752.8	2458.2	2246.0	2161.8	2105.1	2054.8	2047.4	1966.9
45°	3309.9	3287.1	3198.3	2964.1	2687.8	2512.2	2434.4	2365.8	2309.1	2283.5	2186.5
47.5°	3320.9	3309.9	3288.9	3113.2	2871.7	2718.9	2693.3	2656.7	2594.5	2595.4	2471.0
50°	3153.5	3136.1	3197.4	3130.6	2963.2	2882.7	2979.7	3019.9	2940.3	2932.1	2803.1
52.5°	2857.1	2847.9	2959.5	3025.4	2965.9	2997.0	3227.6	3374.0	3311.8	3278.8	3112.3
55°	2557.0	2568.0	2665.0	2771.1	2869.0	3030.0	3447.2	3739.0	3616.4	3594.4	3386.8
57.5°	2148.1	2184.7	2329.2	2495.7	2649.4	2984.2	3562.4	3970.4	3939.3	3931.1	3753.6
60°	1699.8	1696.1	1910.2	2152.6	2405.1	2833.3	3568.8	4261.4	4434.3	4394.9	4144.3
62.5°	1320.1	1329.3	1483.0	1786.7	2125.2	2603.7	3481.0	4391.3	4506.5	4461.7	4243.1
65°	956.0	970.7	1158.2	1403.4	1785.8	2293.5	3231.2	4214.7	4604.4	4577.0	4453.5
66°	859.0	846.2	1010.9	1289.0	1652.2	2156.3	3073.9	4107.7	4609.9	4594.4	4447.1
67.5°	690.7	707.2	834.3	1076.8	1437.2	1937.7	2789.4	3936.6	4467.2	4446.2	4347.4
70°	511.4	527.0	613.9	807.8	1090.5	1545.2	2306.3	3400.5	4130.5	4146.1	4135.1
72.5°	378.7	395.2	454.7	594.7	806.9	1149.1	1827.9	2866.2	3532.2	3568.8	3543.2
75°	294.6	301.0	350.4	448.3	590.1	809.6	1352.1	2221.3	2875.4	2943.1	2966.9
77.5°	236.9	242.4	282.7	345.8	441.9	591.0	947.8	1655.9	2276.1	2323.7	2368.5
80°	191.2	194.9	227.8	278.1	338.5	422.7	639.5	1203.0	1746.4	1773.9	1839.8
82.5°	153.7	156.4	180.2	223.2	270.8	321.1	454.7	839.8	1371.4	1397.0	1480.2
85°	120.8	122.6	143.6	177.5	217.7	254.3	328.4	593.7	988.0	1011.8	1112.5
87.5°	95.1	97.0	113.4	138.1	175.7	201.3	242.4	399.8	666.9	700.8	815.1
90°	75.0	75.9	87.8	107.0	136.3	163.8	190.3	279.0	444.6	463.8	527.9
92.5°	56.7	57.6	66.8	81.4	106.1	129.9	145.5	193.0	284.5	292.8	338.5
95°	42.1	43.0	50.3	59.5	79.6	101.5	112.5	135.4	179.3	190.3	202.2
97.5°	32.9	33.8	38.4	43.9	58.6	79.6	89.7	99.7	122.6	126.2	135.4
100°	28.4	28.4	31.1	34.8	43.9	62.2	70.4	78.7	92.4	92.4	97.9
102.5°	23.8	23.8	25.6	27.4	35.7	49.4	56.7	62.2	69.5	70.4	75.0
105°	21.0	21.0	22.0	23.8	30.2	40.3	46.7	49.4	54.0	54.0	55.8
107.5°	18.3	18.3	19.2	20.1	26.5	33.8	37.5	38.4	40.3	40.3	43.0



REPORT NUMBER: P416345

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	17.4	17.4	17.4	18.3	22.9	29.3	31.1	30.2	31.1	31.1	33.8
112.5°	16.5	15.6	15.6	16.5	21.0	25.6	25.6	24.7	24.7	24.7	27.4
115°	15.6	15.6	14.6	15.6	19.2	22.0	22.0	20.1	20.1	20.1	22.9
117.5°	15.6	15.6	14.6	14.6	17.4	20.1	19.2	17.4	16.5	17.4	20.1
120°	15.6	15.6	13.7	13.7	16.5	17.4	17.4	14.6	14.6	14.6	17.4
122.5°	15.6	15.6	13.7	13.7	15.6	16.5	15.6	12.8	12.8	12.8	15.6
125°	16.5	15.6	13.7	13.7	14.6	14.6	13.7	11.9	11.0	11.0	13.7
127.5°	16.5	16.5	14.6	13.7	13.7	13.7	12.8	11.0	10.1	10.1	12.8
130°	18.3	17.4	15.6	13.7	12.8	11.9	11.0	10.1	10.1	10.1	11.9
132.5°	18.3	18.3	15.6	12.8	11.9	11.0	10.1	8.2	9.1	9.1	11.0
135°	17.4	16.5	13.7	11.9	11.0	9.1	8.2	7.3	8.2	8.2	10.1
137.5°	15.6	14.6	12.8	10.1	9.1	7.3	6.4	5.5	6.4	6.4	8.2
140°	12.8	12.8	10.1	8.2	7.3	6.4	5.5	3.7	4.6	5.5	6.4
142.5°	11.0	10.1	8.2	6.4	5.5	4.6	3.7	2.7	3.7	3.7	4.6
145°	9.1	8.2	6.4	4.6	3.7	2.7	1.8	1.8	1.8	1.8	2.7
147.5°	7.3	6.4	4.6	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
150°	5.5	5.5	3.7	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.6	4.6	2.7	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.7	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	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: P416345

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2
2.5°	232.4	230.5	228.7	226.9	225.1	224.1	221.4	219.6	219.6	219.6	218.6
5°	235.1	231.5	226.9	223.2	218.6	215.0	212.2	209.5	207.7	207.7	207.7
7.5°	241.5	237.9	229.6	222.3	215.9	210.4	206.8	204.0	203.1	202.2	202.2
10°	256.2	249.8	238.8	227.8	218.6	211.3	207.7	205.8	204.9	204.9	204.9
12.5°	289.1	279.9	263.5	245.2	229.6	218.6	215.0	215.0	220.5	223.2	223.2
15°	333.0	324.8	305.6	279.9	255.2	236.9	234.2	240.6	247.9	251.6	250.7
17.5°	393.4	382.4	356.8	322.9	290.0	271.7	263.5	269.9	279.0	283.6	283.6
20°	464.7	453.8	419.0	373.3	333.0	312.9	300.1	300.1	312.0	315.6	317.5
22.5°	562.6	546.2	496.8	433.6	381.5	350.4	334.8	332.1	345.8	352.2	350.4
25°	672.4	659.6	602.0	507.7	440.0	389.7	368.7	368.7	386.1	400.7	401.6
27.5°	826.1	794.1	713.6	598.3	496.8	426.3	403.4	408.0	426.3	441.0	441.0
30°	987.1	964.3	846.2	694.4	551.7	460.2	427.2	434.6	451.0	467.5	467.5
32.5°	1182.0	1143.6	998.1	789.5	602.0	482.1	440.0	450.1	469.3	485.8	485.8
35°	1372.3	1341.2	1150.9	889.2	645.9	491.3	445.5	457.4	479.4	499.5	501.3
37.5°	1593.7	1526.0	1300.0	978.9	677.9	493.1	443.7	464.7	494.0	516.9	517.8
40°	1726.3	1644.9	1400.6	1045.7	692.5	486.7	443.7	470.2	494.9	503.2	502.3
42.5°	1883.7	1781.2	1471.1	1053.9	674.2	473.9	442.8	463.8	474.8	474.8	473.9
45°	2095.0	1979.7	1582.7	1058.5	636.7	458.3	435.5	449.2	446.4	438.2	435.5
47.5°	2353.9	2213.9	1724.5	1074.9	600.1	442.8	427.2	430.9	418.1	399.8	398.9
50°	2663.1	2498.5	1891.0	1092.3	568.1	430.0	419.9	416.3	403.4	387.9	386.1
52.5°	2953.1	2754.6	2041.9	1104.2	541.6	421.7	414.4	413.5	400.7	380.6	378.7
55°	3215.7	2977.8	2143.5	1081.4	517.8	418.1	414.4	415.3	398.9	378.7	376.0
57.5°	3595.4	3334.6	2304.5	1047.5	489.4	417.2	417.2	418.1	398.0	378.7	376.0
60°	3925.6	3635.6	2462.8	1044.8	462.0	416.3	418.1	417.2	402.5	390.6	387.9
62.5°	4039.1	3762.8	2470.1	978.9	444.6	411.7	414.4	419.0	416.3	410.8	408.0
65°	4253.1	3951.2	2501.2	904.8	419.9	403.4	409.9	421.7	423.6	419.9	417.2
66°	4237.6	3924.7	2471.0	881.9	411.7	398.9	407.1	419.9	423.6	422.7	420.8
67.5°	4160.7	3856.1	2371.3	817.0	399.8	390.6	402.5	415.3	423.6	426.3	424.5
70°	3953.1	3649.3	2172.8	719.1	376.9	371.4	387.9	404.4	418.1	422.7	421.7
72.5°	3368.5	3079.4	1817.8	613.9	344.9	344.0	363.2	383.3	399.8	404.4	402.5
75°	2827.8	2543.3	1493.0	505.9	312.0	312.9	331.2	350.4	363.2	363.2	364.1
77.5°	2267.0	2026.4	1182.9	419.9	278.1	278.1	290.9	306.5	314.7	311.0	305.6
80°	1743.7	1584.5	924.0	351.3	244.3	242.4	248.8	260.7	267.1	258.9	252.5
82.5°	1408.0	1270.7	731.0	292.8	211.3	209.5	212.2	220.5	224.1	215.0	212.2
85°	1068.5	945.0	549.8	240.6	183.0	178.4	183.0	184.8	189.4	181.1	175.7
87.5°	755.7	669.7	398.9	200.4	156.4	153.7	152.8	154.6	157.4	151.9	149.1
90°	507.7	445.5	288.2	167.4	133.6	129.0	127.2	127.2	129.0	119.8	117.1
92.5°	325.7	288.2	200.4	133.6	111.6	106.1	102.5	103.4	102.5	93.3	91.5
95°	203.1	183.9	144.5	105.2	89.7	85.1	81.4	80.5	79.6	73.2	71.4
97.5°	132.7	126.2	108.0	83.3	71.4	67.7	65.9	65.0	65.0	60.4	57.6
100°	98.8	96.1	85.1	69.5	58.6	55.8	54.0	54.0	55.8	52.1	50.3
102.5°	76.8	77.8	69.5	58.6	49.4	47.6	45.7	45.7	47.6	45.7	44.8
105°	58.6	58.6	56.7	48.5	42.1	41.2	39.3	39.3	41.2	41.2	41.2
107.5°	45.7	47.6	45.7	40.3	36.6	35.7	33.8	33.8	35.7	36.6	37.5



REPORT NUMBER: P416345

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.6	38.4	37.5	34.8	32.0	31.1	29.3	28.4	30.2	32.9	32.9
112.5°	29.3	31.1	31.1	29.3	27.4	27.4	25.6	24.7	26.5	29.3	29.3
115°	24.7	26.5	26.5	25.6	24.7	23.8	22.0	21.0	22.9	25.6	26.5
117.5°	21.0	22.9	22.9	22.9	22.0	21.0	19.2	18.3	19.2	22.0	22.9
120°	19.2	20.1	20.1	20.1	19.2	19.2	17.4	16.5	17.4	20.1	20.1
122.5°	16.5	17.4	18.3	18.3	17.4	17.4	15.6	13.7	14.6	17.4	18.3
125°	14.6	15.6	16.5	16.5	15.6	15.6	13.7	12.8	13.7	15.6	16.5
127.5°	13.7	14.6	14.6	14.6	14.6	13.7	11.9	11.0	11.9	14.6	14.6
130°	12.8	13.7	13.7	13.7	12.8	11.9	11.0	10.1	11.0	13.7	13.7
132.5°	11.9	12.8	12.8	11.9	11.9	11.0	9.1	8.2	10.1	11.9	11.9
135°	10.1	11.0	11.0	11.0	10.1	9.1	8.2	7.3	9.1	10.1	10.1
137.5°	8.2	9.1	9.1	9.1	8.2	7.3	6.4	6.4	7.3	9.1	9.1
140°	6.4	7.3	7.3	7.3	6.4	6.4	5.5	4.6	6.4	7.3	7.3
142.5°	4.6	5.5	5.5	5.5	4.6	4.6	3.7	3.7	5.5	6.4	6.4
145°	2.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7	4.6	4.6
147.5°	1.8	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	3.7	3.7
150°	0.9	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	2.7
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.0
157.5°	0.0	0.0	0.0	0.9	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)