

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: P415584

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415584
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-PA1-50-750-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA 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: 6352.9 lumens
Efficiency: N/A
Efficacy: 117.6 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): 54
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

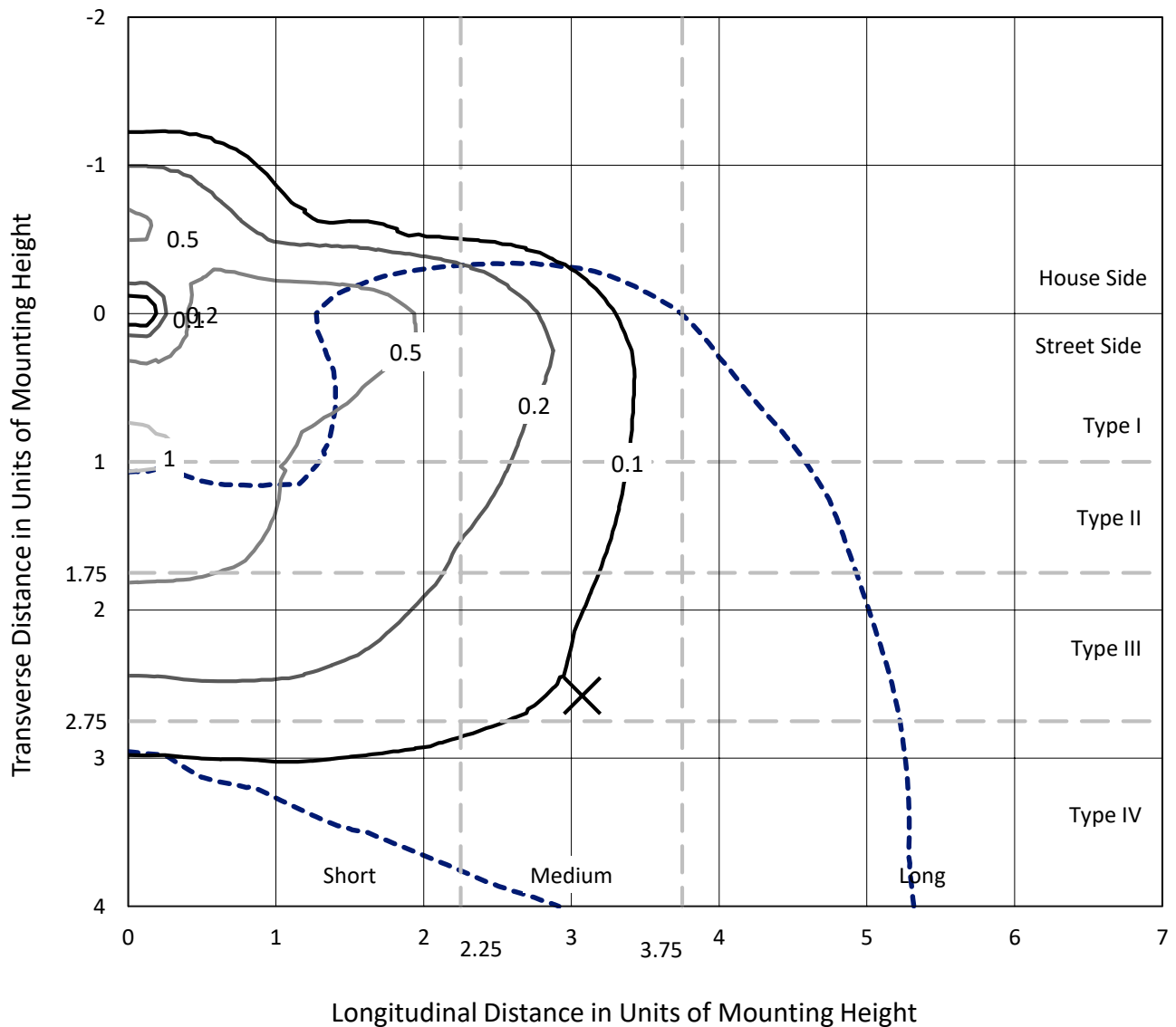


REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

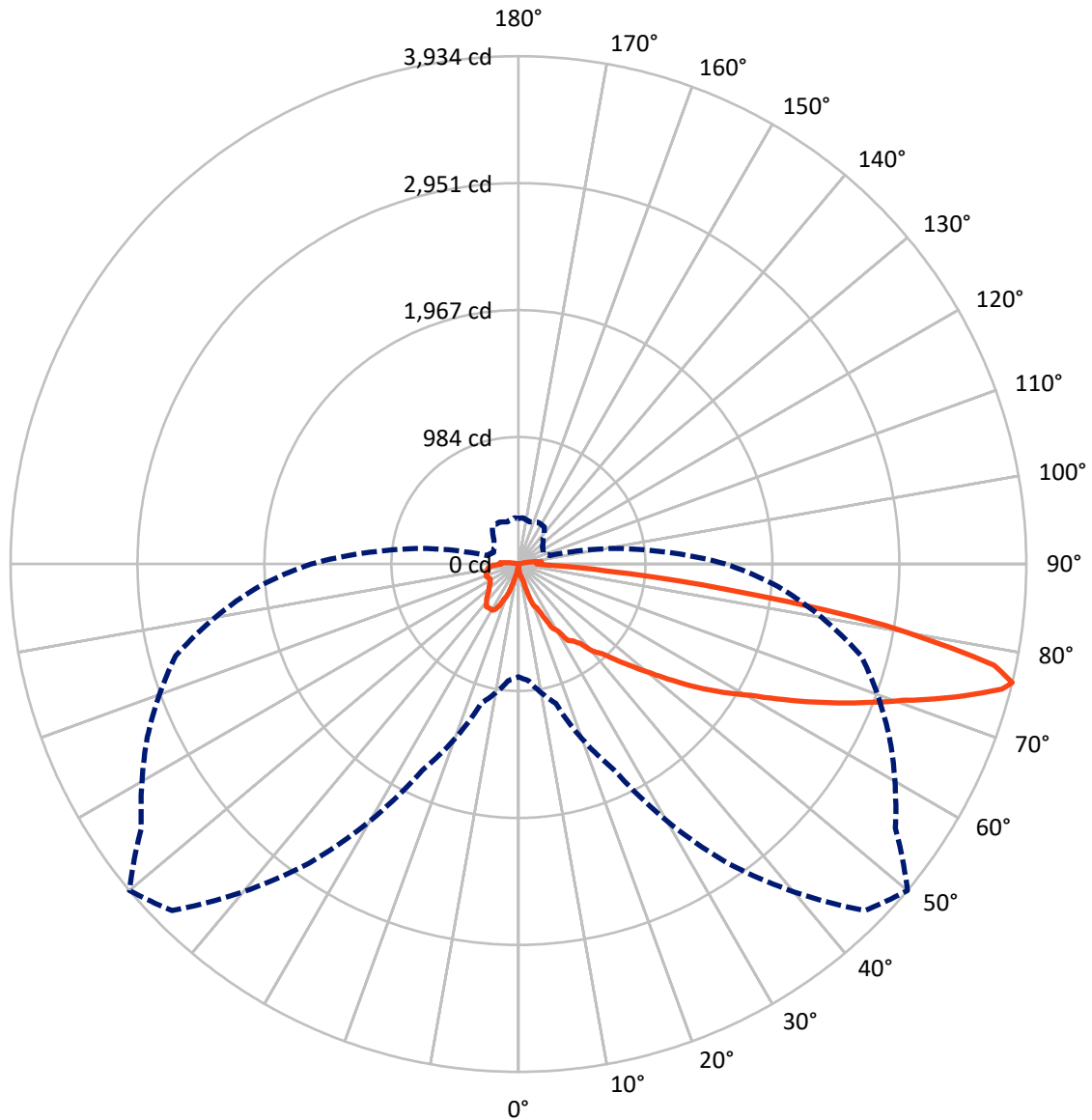


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

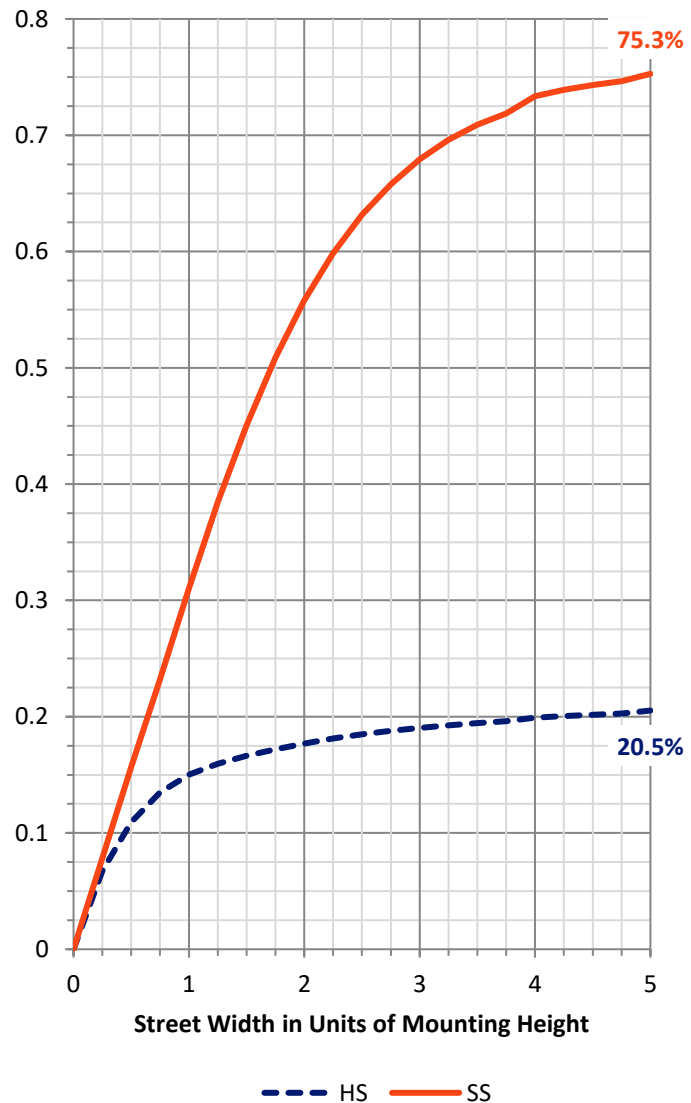
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1386.5	78.1	1464.6
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4825.6	62.7	4888.3
	% Fixture	76.0	1.0	76.9
Total	Lumens	6212.1	140.8	6352.9
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	53.0	0.8
20°-30°	207.2	3.3
30°-40°	446.1	7.0
40°-50°	726.8	11.4
50°-60°	1170.0	18.4
60°-70°	1704.2	26.8
70°-80°	1520.4	23.9
80°-90°	380.8	6.0
90°-100°	111.5	1.8
100°-110°	16.5	0.3
110°-120°	4.7	0.1
120°-130°	3.2	0.1
130°-140°	2.2	0.0
140°-150°	1.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6212.1	97.8
0°-180°	6352.9	100.0



REPORT NUMBER: P415584

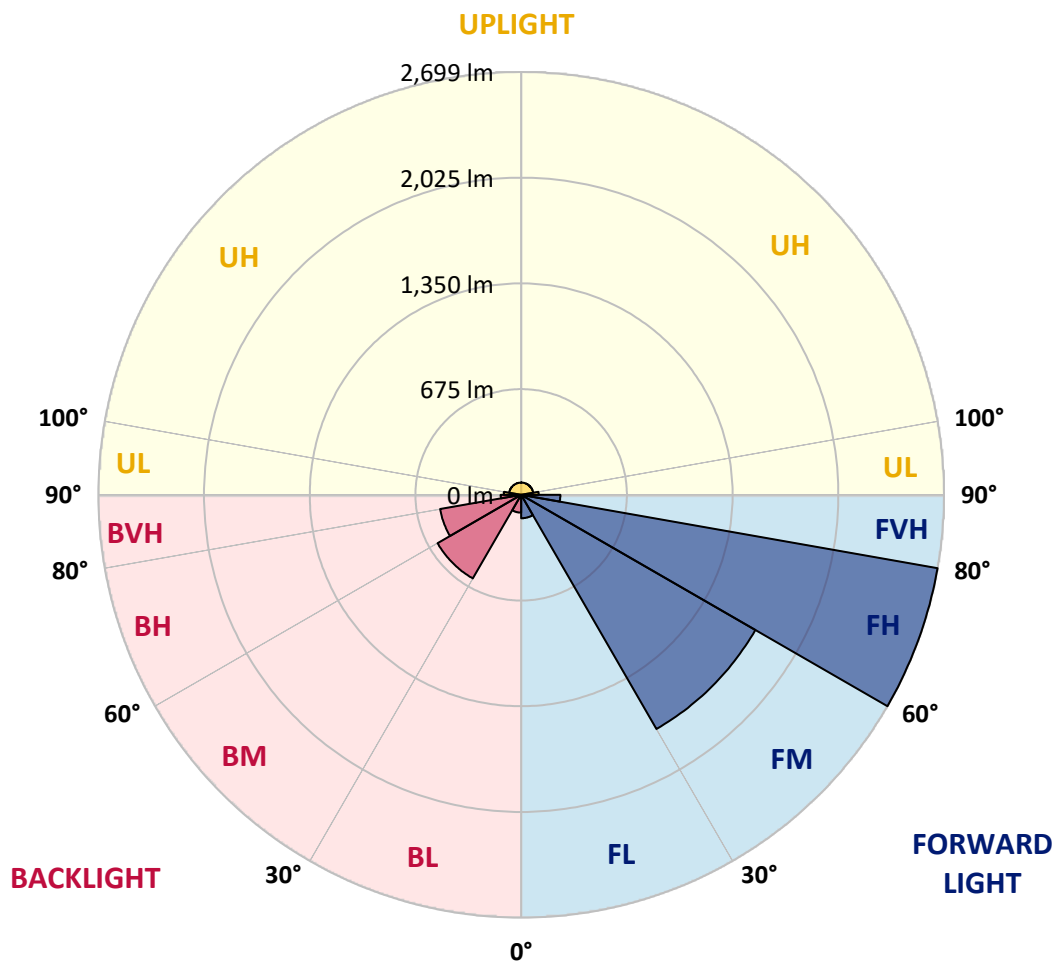
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.8	2.4			
FM (30°-60°)	1726.3	27.2			
FH (60°-80°)	2699.4	42.5			G2/5000
FVH (80°-90°)	250.1	3.9			G3/500
BL (0°-30°)	114.0	1.8	B1/500		
BM (30°-60°)	616.5	9.7	B1/1000		
BH (60°-80°)	525.3	8.3	B2/1000		G2/1000
BVH (80°-90°)	130.8	2.1			G2/225
UL (90°-100°)	111.5	1.8		U3/500	
UH (100°-180°)	78.1	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	9.2	7.1	6.4	5.6	5.6	4.9	4.9	4.2	4.2	4.2	4.2
5°	89.0	86.1	79.8	74.1	25.4	21.2	17.7	13.4	4.9	4.9	4.2
7.5°	106.6	104.5	100.3	97.4	93.2	86.8	79.8	37.4	14.8	5.6	4.9
10°	139.8	129.2	120.7	113.7	108.7	98.1	95.3	89.7	24.7	10.6	7.8
12.5°	249.9	244.3	235.8	160.3	132.0	113.0	108.7	103.8	80.5	38.1	68.5
15°	275.4	269.7	261.2	250.6	235.1	139.1	130.6	162.4	207.6	156.0	163.1
17.5°	323.4	320.5	298.0	272.5	257.0	273.2	273.9	248.5	235.8	206.2	187.8
20°	448.3	445.5	432.8	367.8	290.9	345.3	343.8	331.1	264.8	304.3	327.6
22.5°	466.7	463.2	451.9	434.2	460.3	378.4	369.3	369.3	390.4	413.7	385.5
25°	614.3	610.7	524.6	456.8	493.5	450.5	451.9	499.9	432.1	454.0	433.5
27.5°	641.8	636.9	629.8	584.6	519.6	570.5	562.7	536.6	562.0	627.0	605.1
30°	749.1	694.7	671.4	645.3	613.6	604.4	600.8	648.2	666.5	662.3	668.6
32.5°	869.1	867.0	844.4	688.4	694.0	649.6	706.8	727.9	699.7	804.2	871.3
35°	1044.2	972.2	928.5	824.7	722.3	751.2	731.5	753.4	850.1	860.0	924.2
37.5°	1312.5	1308.3	1208.0	910.1	833.1	768.9	783.0	843.7	907.3	921.4	1008.2
40°	1534.2	1513.8	1450.2	1134.6	905.9	831.7	888.2	874.8	941.9	991.3	1074.6
42.5°	1698.7	1717.8	1681.8	1313.2	1052.0	931.3	948.2	930.6	992.7	1085.2	1169.9
45°	1856.2	1848.4	1873.1	1494.7	1192.5	1059.1	1057.7	1014.6	1085.9	1189.7	1301.2
47.5°	1984.7	1973.4	1998.8	1691.7	1354.2	1174.9	1184.7	1129.0	1197.5	1320.3	1496.1
50°	2128.0	2106.1	2123.1	1856.9	1565.3	1342.2	1328.8	1285.7	1324.5	1491.9	1734.0
52.5°	2300.3	2284.8	2254.4	2021.4	1782.8	1514.5	1497.5	1455.9	1498.2	1705.1	1997.4
55°	2454.9	2437.3	2412.6	2248.1	1963.5	1689.6	1690.3	1648.6	1731.2	1938.1	2303.1
57.5°	2615.9	2607.4	2620.1	2501.5	2221.9	1872.4	1876.7	1851.3	1999.5	2177.4	2627.2
60°	2749.3	2736.6	2807.2	2760.6	2451.4	2081.4	2064.5	2092.0	2273.5	2427.4	2955.5
62.5°	2800.2	2808.7	2942.1	2999.3	2673.8	2306.7	2313.0	2350.4	2526.9	2726.7	3271.8
65°	2561.5	2591.2	2964.0	3040.9	2921.6	2556.6	2587.0	2580.6	2786.8	2947.0	3538.7
67.5°	2302.4	2336.3	2741.6	3051.5	3113.7	2850.3	2865.8	2803.0	3010.6	3084.7	3737.8
70°	2118.8	2145.0	2478.2	2991.5	3231.6	3156.7	3163.8	3047.3	3173.0	3246.4	3730.7
72.5°	1801.1	1828.7	2136.5	2764.9	3305.0	3528.1	3528.1	3271.1	3304.3	3242.9	3294.4
75°	1217.2	1227.8	1479.9	2146.4	3115.1	3831.0	3867.7	3515.4	3259.1	2945.6	2457.0
76°	874.1	906.6	1117.7	1762.3	2829.1	3796.4	3934.1	3564.8	3170.9	2748.6	2022.1
77.5°	463.2	492.8	659.4	1128.3	2294.6	3530.2	3768.2	3413.0	2891.3	2359.6	1495.4
80°	181.5	179.3	226.6	401.7	1162.2	2685.1	2883.5	2515.6	1955.7	1366.9	710.3
82.5°	99.6	109.4	144.0	212.5	504.1	1481.3	1628.8	1327.4	998.3	630.5	415.2
85°	63.5	65.0	84.7	131.3	311.4	624.1	685.6	568.4	467.4	386.9	295.1
87.5°	38.1	39.5	44.5	60.7	153.9	183.6	200.5	235.8	268.3	266.2	254.9
90°	26.1	26.1	21.9	24.0	72.0	146.9	141.2	150.4	137.0	173.7	245.7
92.5°	25.4	25.4	21.2	21.9	61.4	163.1	163.8	163.1	144.7	177.2	258.4
95°	22.6	23.3	18.4	19.1	45.2	152.5	179.3	173.7	146.2	178.6	257.7
97.5°	19.1	19.8	14.1	16.2	30.4	103.1	133.4	136.3	91.1	90.4	116.5
100°	14.1	14.8	9.9	12.7	18.4	47.3	71.3	67.1	45.2	24.7	16.2
102.5°	13.4	14.1	8.5	9.9	11.3	16.2	26.1	19.8	16.9	14.1	14.1
105°	14.8	14.8	7.8	7.1	7.1	7.8	6.4	9.2	9.9	10.6	14.8
107.5°	12.7	13.4	5.6	5.6	4.9	4.9	4.2	4.2	5.6	9.2	16.2



REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	9.9	9.9	4.9	4.9	3.5	4.2	4.2	3.5	4.9	7.1	12.7
112.5°	5.6	6.4	2.8	4.2	2.8	3.5	3.5	2.8	4.2	4.9	7.1
115°	5.6	5.6	2.8	2.1	2.1	2.1	2.8	2.8	3.5	4.9	7.8
117.5°	5.6	5.6	2.8	2.1	1.4	2.1	2.1	2.1	3.5	4.9	7.8
120°	5.6	5.6	2.8	1.4	1.4	1.4	1.4	2.1	3.5	4.9	7.8
122.5°	6.4	5.6	2.8	1.4	1.4	1.4	1.4	2.1	3.5	4.9	7.1
125°	6.4	5.6	2.8	1.4	1.4	1.4	1.4	2.1	2.8	4.2	6.4
127.5°	6.4	5.6	2.8	1.4	1.4	1.4	1.4	2.1	2.8	4.2	5.6
130°	5.6	5.6	2.8	1.4	1.4	1.4	1.4	2.1	2.8	4.2	5.6
132.5°	5.6	4.9	2.8	1.4	1.4	1.4	1.4	2.1	2.8	3.5	4.9
135°	4.9	4.2	2.8	1.4	2.1	1.4	2.1	2.1	2.8	3.5	4.2
137.5°	4.2	4.2	2.8	2.1	2.1	2.1	2.1	2.1	2.8	3.5	3.5
140°	4.9	4.2	2.8	2.8	2.1	2.1	2.1	2.1	2.8	3.5	3.5
142.5°	5.6	4.9	3.5	2.8	2.8	2.1	2.1	2.8	2.8	3.5	3.5
145°	5.6	5.6	4.2	3.5	2.1	2.1	2.1	2.8	3.5	3.5	4.2
147.5°	6.4	5.6	4.2	3.5	2.1	1.4	2.1	2.1	3.5	4.2	4.2
150°	5.6	5.6	3.5	2.8	1.4	0.7	1.4	2.1	3.5	4.2	4.2
152.5°	4.2	4.2	2.8	1.4	0.7	0.7	1.4	2.1	2.8	3.5	4.2
155°	2.8	2.8	1.4	0.7	0.0	0.7	0.7	1.4	2.1	2.8	3.5
157.5°	1.4	1.4	0.7	0.0	0.0	0.7	0.7	1.4	2.1	2.8	2.8
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.4	1.4	2.1	2.1
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: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	4.2	3.5	3.5	2.8	2.8	2.1	2.1	2.1	2.1	2.8	3.5
5°	4.2	4.2	3.5	3.5	3.5	2.8	2.8	4.2	4.9	5.6	5.6
7.5°	4.2	4.2	4.2	3.5	4.2	5.6	22.6	65.0	71.3	75.5	77.0
10°	7.8	7.1	6.4	5.6	10.6	72.0	89.0	96.7	100.3	103.8	103.8
12.5°	74.1	74.1	30.4	16.9	72.7	96.7	101.7	107.3	112.3	117.2	117.9
15°	161.0	158.9	153.2	140.5	121.4	109.4	114.4	169.5	199.1	212.5	210.4
17.5°	184.3	181.5	177.9	202.6	211.1	168.7	197.0	218.9	225.2	232.3	231.6
20°	341.7	338.2	263.4	235.8	230.9	283.1	225.2	230.2	241.5	307.8	310.0
22.5°	382.7	378.4	352.3	359.4	269.7	307.1	297.2	311.4	347.4	358.0	359.4
25°	448.3	431.4	399.6	375.6	382.0	320.5	370.0	346.7	360.1	372.8	374.9
27.5°	620.6	610.7	554.2	420.8	389.7	401.0	385.5	377.0	450.5	477.3	479.4
30°	668.6	658.7	588.1	487.2	410.9	410.9	388.3	470.2	473.8	487.9	491.4
32.5°	908.7	888.9	747.7	494.9	426.5	392.6	439.9	463.2	519.6	562.0	569.1
35°	964.5	947.5	771.7	565.5	412.3	408.8	415.2	487.9	529.5	555.0	560.6
37.5°	1022.4	1003.3	768.9	538.7	437.0	389.7	403.9	456.1	516.1	581.8	590.3
40°	1101.4	1078.1	772.4	504.1	409.5	368.6	379.1	437.7	478.7	519.6	526.7
42.5°	1207.3	1160.7	778.8	473.1	377.7	359.4	361.5	395.4	414.4	431.4	431.4
45°	1350.0	1274.4	780.9	440.6	346.0	338.2	341.0	356.6	363.6	353.0	348.1
47.5°	1541.3	1414.9	807.0	411.6	319.1	314.9	317.0	322.0	318.4	290.9	285.9
50°	1764.4	1580.1	821.1	386.2	299.4	298.7	295.1	295.1	282.4	251.4	249.2
52.5°	2010.8	1777.1	833.1	355.1	285.2	288.8	288.8	273.9	254.9	230.2	228.1
55°	2323.6	2004.5	850.8	328.3	273.2	272.5	280.3	261.9	242.2	221.0	221.0
57.5°	2634.3	2245.2	872.0	305.0	259.8	261.2	272.5	257.7	247.1	238.6	237.9
60°	2944.9	2493.8	838.1	283.8	254.9	252.1	270.4	273.9	261.2	266.2	271.1
62.5°	3236.5	2652.6	701.8	265.5	245.7	249.9	288.8	310.7	306.4	301.5	302.9
65°	3374.2	2685.1	569.1	249.2	239.3	264.8	318.4	351.6	337.5	321.3	319.8
67.5°	3397.5	2601.1	418.7	239.3	235.8	290.9	341.7	360.8	339.6	333.3	327.6
70°	3233.7	2387.8	334.7	228.8	238.6	295.1	356.6	358.7	343.1	350.2	343.1
72.5°	2750.0	1988.9	293.0	218.9	239.3	284.5	356.6	359.4	341.7	362.2	358.7
75°	1969.2	1394.4	260.5	210.4	231.6	272.5	351.6	358.7	337.5	360.1	354.4
76°	1604.1	1106.4	251.4	212.5	228.1	268.3	350.2	356.6	338.2	358.7	353.0
77.5°	1059.8	723.0	235.8	211.1	221.7	266.2	346.7	353.7	337.5	354.4	348.8
80°	567.0	409.5	212.5	197.0	213.9	267.6	343.8	346.7	324.1	343.1	336.1
82.5°	373.5	305.0	183.6	178.6	206.2	269.7	342.4	338.2	312.8	343.1	324.1
85°	293.0	252.1	137.7	143.3	187.8	260.5	338.2	326.2	302.9	311.4	300.1
87.5°	248.5	207.6	82.6	102.4	164.5	221.7	300.1	269.7	256.3	264.8	259.8
90°	233.7	183.6	46.6	72.0	123.6	147.6	189.2	175.8	170.2	180.0	177.9
92.5°	235.8	179.3	45.9	68.5	132.0	158.9	195.6	180.0	163.1	163.1	161.0
95°	225.2	167.3	45.2	54.4	119.3	154.6	183.6	161.7	131.3	125.0	122.9
97.5°	98.1	81.2	42.4	41.7	68.5	106.6	133.4	115.8	86.8	67.8	67.8
100°	16.2	26.1	36.7	40.2	40.2	56.5	75.5	71.3	41.7	21.9	22.6
102.5°	16.9	14.8	25.4	33.2	26.1	23.3	34.6	43.1	27.5	8.5	9.2
105°	17.7	15.5	12.7	23.3	14.8	7.8	10.6	19.8	12.7	8.5	8.5
107.5°	19.1	16.2	7.8	8.5	6.4	6.4	5.6	4.9	6.4	8.5	9.2



REPORT NUMBER: P415584

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.8	13.4	7.1	6.4	5.6	6.4	4.2	4.2	4.9	8.5	9.2
112.5°	8.5	8.5	6.4	4.9	4.9	5.6	3.5	3.5	4.9	9.2	9.2
115°	8.5	8.5	5.6	4.2	3.5	4.2	3.5	2.8	4.9	9.2	9.9
117.5°	8.5	8.5	5.6	4.2	3.5	2.8	2.8	2.8	4.9	9.2	9.9
120°	8.5	7.8	4.9	3.5	3.5	2.1	2.1	2.1	4.2	9.2	9.9
122.5°	7.8	7.8	4.9	3.5	2.8	2.1	2.1	2.1	4.2	8.5	9.2
125°	7.1	7.1	4.9	3.5	2.8	2.1	1.4	2.1	4.2	7.8	8.5
127.5°	6.4	6.4	4.2	3.5	2.8	2.1	1.4	2.1	4.2	7.8	8.5
130°	5.6	5.6	4.2	2.8	2.8	1.4	1.4	1.4	4.2	7.1	7.8
132.5°	4.9	4.9	3.5	2.8	2.1	1.4	0.7	1.4	3.5	6.4	6.4
135°	4.2	4.2	3.5	2.8	2.1	1.4	0.7	1.4	2.8	4.9	5.6
137.5°	3.5	3.5	2.8	2.8	2.1	1.4	0.7	1.4	2.1	4.2	4.2
140°	3.5	3.5	2.8	2.8	2.1	1.4	0.7	1.4	2.1	3.5	4.2
142.5°	3.5	3.5	2.8	2.8	2.1	1.4	0.7	1.4	2.1	3.5	4.2
145°	4.2	3.5	3.5	2.8	2.1	1.4	0.7	1.4	2.8	4.2	4.2
147.5°	4.2	4.2	3.5	2.8	2.1	1.4	0.7	1.4	2.8	4.2	4.2
150°	4.2	4.2	3.5	2.8	2.1	0.7	0.0	0.7	2.1	3.5	4.2
152.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0	0.0	1.4	2.8	2.8
155°	3.5	2.8	2.8	2.1	1.4	0.7	0.0	0.0	0.7	1.4	1.4
157.5°	2.8	2.8	2.1	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.1	2.1	1.4	1.4	0.7	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)