

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: P415583

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415583
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-PA1-50-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA 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: 6135 lumens
Efficiency: N/A
Efficacy: 113.6 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 - G3

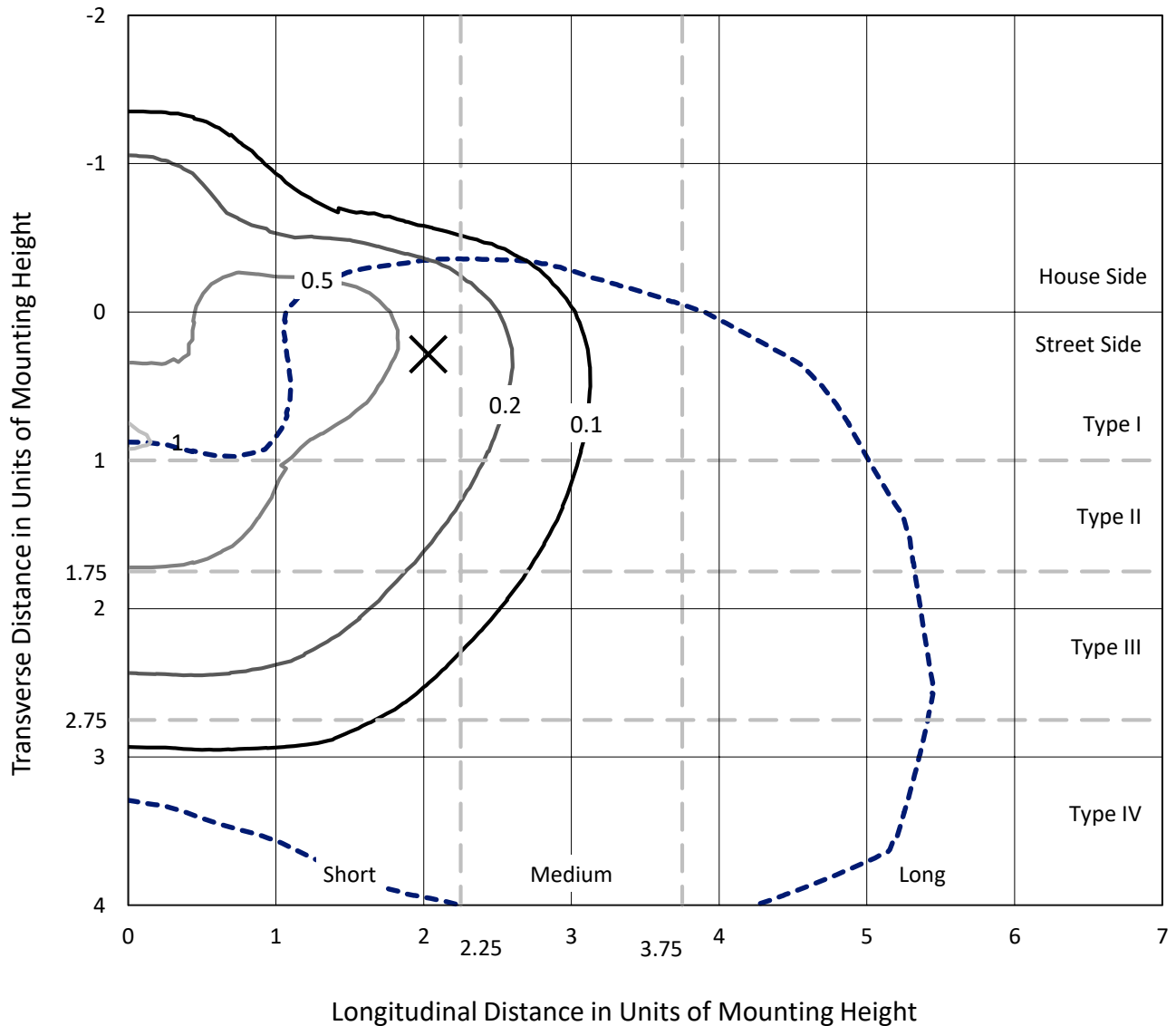
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415583
 CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

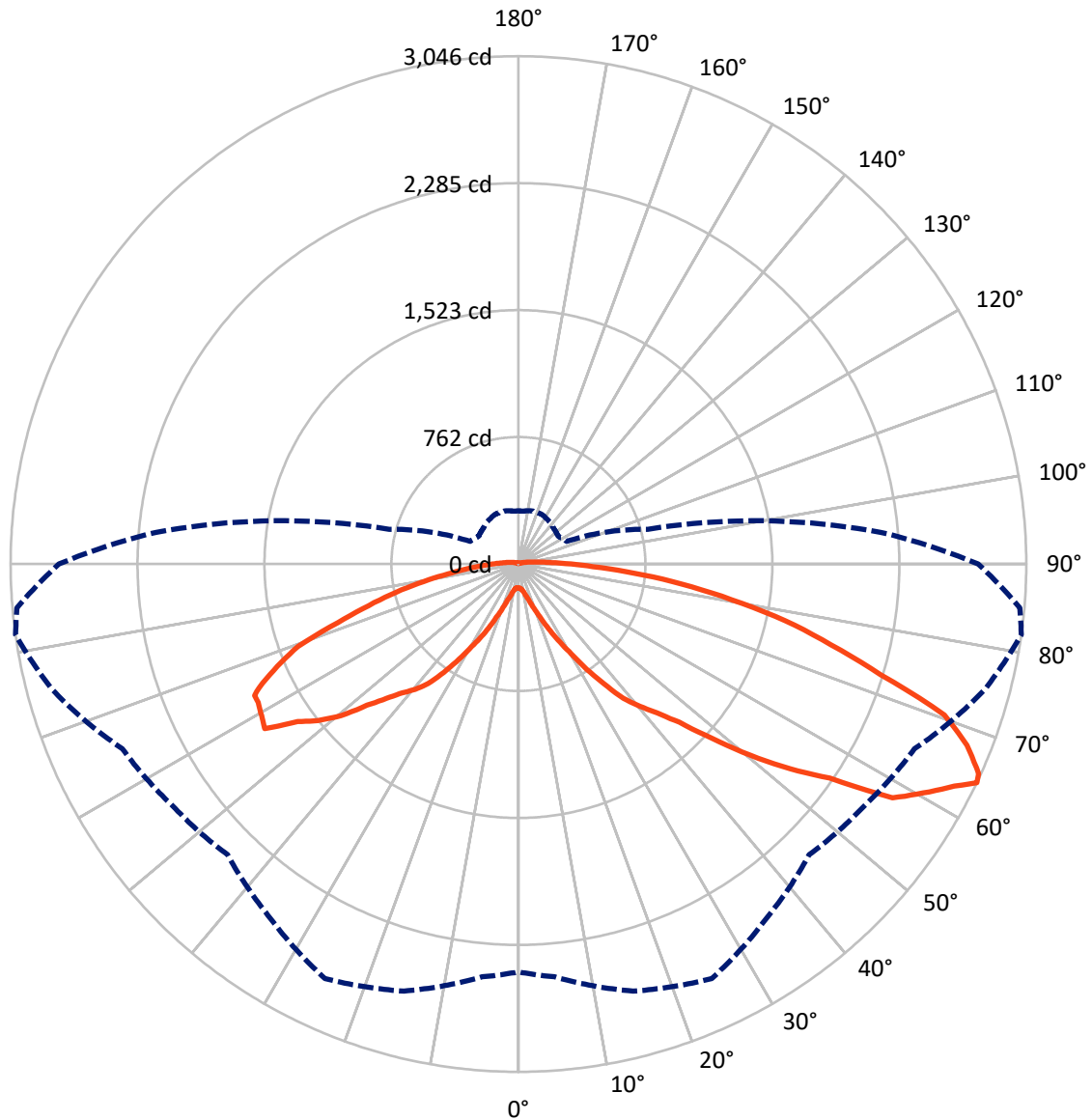


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P415583

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415583

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

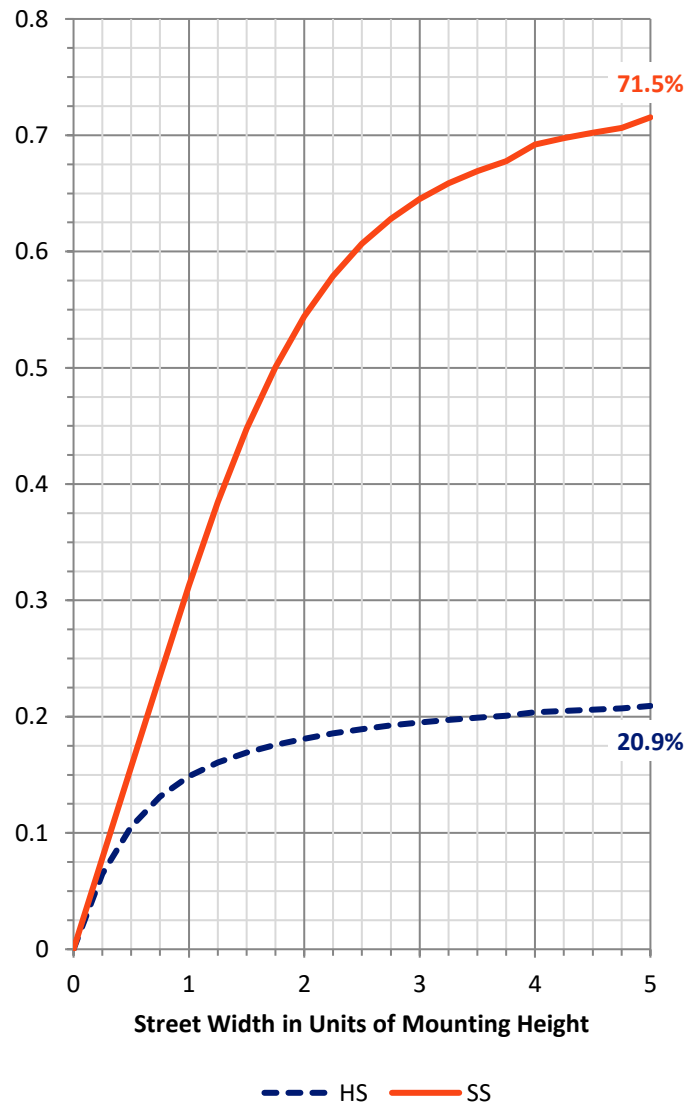
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.7	101.0	1449.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4552.9	132.4	4685.3
	% Fixture	74.2	2.2	76.4
Total	Lumens	5901.6	233.4	6135.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.2
10°-20°	63.1	1.0
20°-30°	181.9	3.0
30°-40°	417.5	6.8
40°-50°	733.2	12.0
50°-60°	1177.8	19.2
60°-70°	1581.0	25.8
70°-80°	1208.8	19.7
80°-90°	523.5	8.5
90°-100°	147.1	2.4
100°-110°	44.6	0.7
110°-120°	19.6	0.3
120°-130°	11.2	0.2
130°-140°	6.8	0.1
140°-150°	3.0	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5901.6	96.2
0°-180°	6135.0	100.0



REPORT NUMBER: P415583

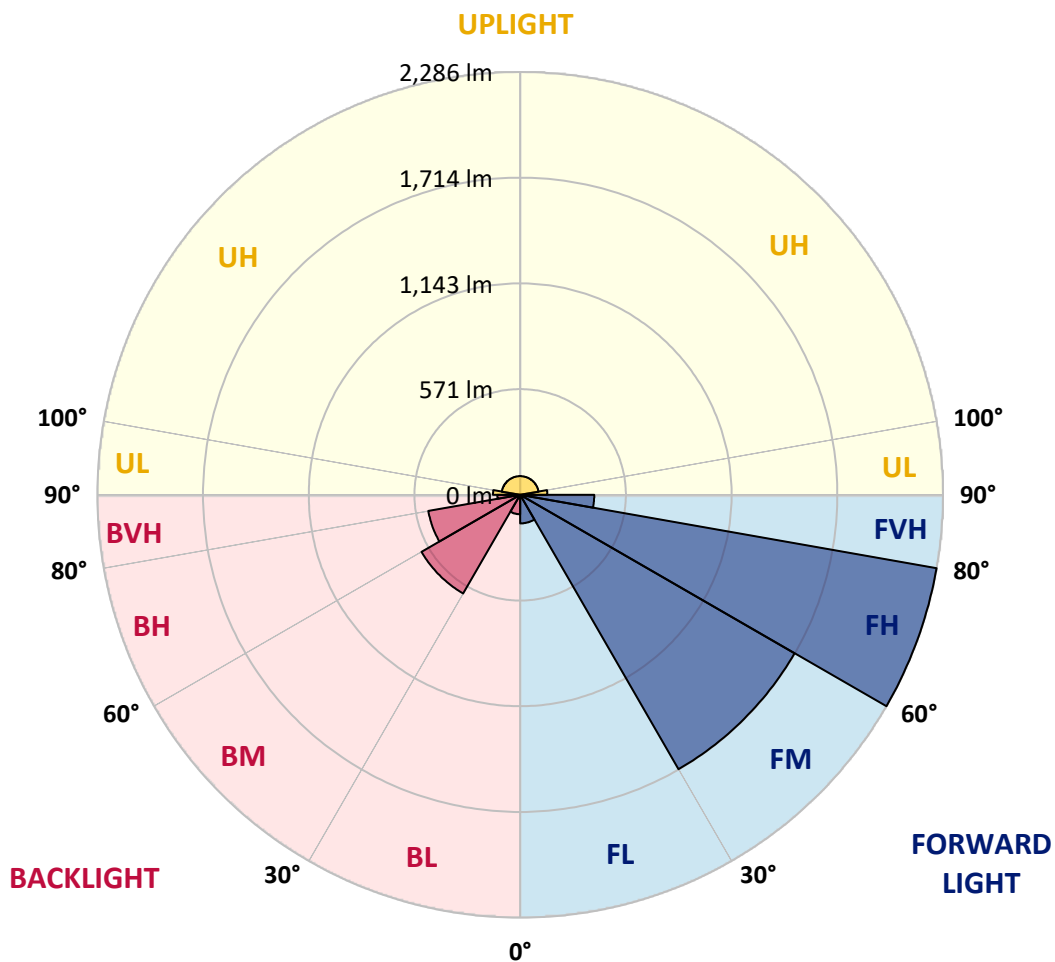
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.5	2.5			
FM	(30°-60°)	1712.6	27.9			
FH	(60°-80°)	2285.6	37.3			G2/5000
FVH	(80°-90°)	400.2	6.5			G3/500
BL	(0°-30°)	105.3	1.7	B0/110		
BM	(30°-60°)	615.9	10.0	B1/1000		
BH	(60°-80°)	504.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	123.3	2.0			G2/225
UL	(90°-100°)	147.1	2.4		U3/500	
UH	(100°-180°)	101.0	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





REPORT NUMBER: P415583

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
2.5°	153.9	153.2	153.2	153.9	153.9	152.5	149.7	147.6	145.5	144.7	144.0
5°	168.1	167.3	166.6	167.3	165.2	163.1	158.9	154.6	151.8	149.0	148.3
7.5°	187.1	186.4	185.7	184.3	181.5	177.2	170.9	165.2	160.3	156.8	155.3
10°	211.8	209.0	208.3	205.5	200.5	193.5	186.4	179.3	173.7	168.8	166.6
12.5°	245.7	245.7	240.1	233.7	225.2	214.7	205.5	199.8	194.2	191.4	187.1
15°	287.4	286.0	280.3	269.7	255.6	243.6	233.7	226.7	223.1	218.2	216.1
17.5°	333.3	330.5	325.5	309.3	292.3	279.6	268.3	261.3	259.1	254.9	254.2
20°	393.3	389.1	377.1	357.3	334.0	319.9	309.3	301.5	300.8	302.2	301.5
22.5°	464.6	461.8	447.0	410.9	384.8	364.3	350.2	351.6	360.8	365.1	359.4
25°	550.0	552.9	528.2	480.1	445.5	410.9	405.3	413.1	433.5	444.8	445.5
27.5°	651.0	650.3	617.8	564.9	511.2	472.4	463.2	485.8	514.7	531.0	531.0
30°	764.0	773.9	728.0	658.8	583.9	538.0	531.0	565.6	595.9	624.9	633.4
32.5°	914.4	912.3	853.0	769.6	670.1	605.1	599.5	643.3	711.7	752.0	752.0
35°	1101.5	1093.7	1011.1	886.2	752.7	680.0	680.7	741.4	831.8	881.2	886.2
37.5°	1262.5	1268.9	1185.5	1033.7	859.3	765.4	773.9	855.8	964.5	1022.4	1042.2
40°	1434.8	1436.9	1345.1	1179.9	974.4	856.5	877.0	971.6	1074.7	1122.7	1141.8
42.5°	1586.6	1599.3	1507.5	1326.8	1090.9	968.1	977.9	1060.6	1162.9	1220.1	1247.0
45°	1691.1	1698.2	1641.7	1461.6	1217.3	1081.7	1080.3	1157.3	1289.3	1352.9	1396.0
47.5°	1833.0	1852.1	1770.9	1597.2	1347.2	1197.5	1185.5	1284.4	1458.1	1561.2	1597.9
50°	1999.7	2028.6	1971.4	1761.7	1495.5	1333.8	1335.9	1453.9	1667.8	1802.7	1840.8
52.5°	2165.6	2176.9	2138.8	1959.4	1667.8	1492.7	1509.6	1657.2	1902.9	2041.3	2064.6
55°	2254.6	2270.8	2282.1	2140.2	1874.7	1681.2	1710.9	1888.8	2103.5	2265.9	2318.8
57.5°	2339.3	2361.9	2391.5	2294.8	2080.2	1914.2	1943.2	2101.3	2414.9	2646.5	2686.7
60°	2482.6	2502.4	2559.6	2480.5	2268.7	2136.6	2167.0	2389.4	2629.5	2789.1	2793.3
62.5°	2480.5	2511.6	2650.0	2669.8	2470.6	2350.6	2424.7	2544.8	2734.7	2935.2	2931.0
64°	2446.6	2485.5	2652.1	2743.9	2593.5	2466.4	2530.7	2621.0	2897.8	3046.1	3019.3
65°	2422.6	2465.7	2645.7	2763.0	2660.6	2532.1	2580.1	2684.6	2945.1	3033.4	2996.7
67.5°	2290.6	2338.6	2577.3	2760.8	2729.8	2635.2	2650.7	2748.1	2866.8	2901.4	2835.7
70°	2054.0	2079.5	2350.6	2645.0	2661.3	2570.9	2613.3	2663.4	2728.4	2711.4	2625.3
72.5°	1621.2	1673.4	1947.4	2366.8	2459.3	2394.4	2410.6	2435.3	2369.7	2272.2	2169.8
75°	1154.5	1201.1	1456.7	1866.9	2141.6	2115.5	2138.1	2098.5	2025.8	1936.8	1836.6
77.5°	802.8	817.7	1028.8	1408.7	1711.6	1791.4	1840.1	1784.3	1743.4	1636.7	1556.2
80°	519.7	544.4	677.1	1020.3	1356.4	1519.5	1597.9	1561.9	1466.6	1296.4	1204.6
82.5°	322.0	341.8	446.3	724.5	1075.4	1302.0	1377.6	1328.2	1175.7	985.7	893.9
85°	184.3	188.5	261.3	471.7	785.9	1034.4	1135.4	1056.3	879.1	695.5	615.0
87.5°	105.9	109.4	156.0	288.8	543.7	779.5	875.6	760.5	590.3	447.0	394.0
90°	67.8	72.0	101.0	188.5	350.2	557.1	627.7	521.8	395.4	283.1	249.3
92.5°	46.6	48.7	67.8	117.2	226.0	367.9	419.4	348.8	246.4	180.8	160.3
95°	33.9	35.3	48.0	79.8	145.5	230.9	259.1	221.0	161.7	120.0	107.3
97.5°	27.5	28.2	37.4	58.6	100.3	146.9	155.3	137.7	107.3	85.4	80.5
100°	23.3	24.0	31.1	45.2	71.3	96.0	98.1	92.5	75.6	63.5	60.7
102.5°	21.2	21.2	26.1	36.7	53.7	68.5	68.5	63.5	52.3	46.6	46.6
105°	19.1	19.1	22.6	30.4	42.4	53.0	52.3	46.6	39.5	35.3	36.0
107.5°	16.9	16.9	19.8	24.7	34.6	41.7	40.2	34.6	30.4	27.5	28.2



REPORT NUMBER: P415583

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	15.5	15.5	17.7	21.2	28.9	34.6	32.5	26.8	22.6	22.6	23.3
112.5°	14.1	14.1	15.5	19.1	24.7	28.2	26.1	21.2	18.4	18.4	19.1
115°	12.7	12.7	14.1	16.9	21.9	24.0	21.9	16.9	14.8	15.5	16.9
117.5°	12.0	12.0	13.4	15.5	19.1	20.5	18.4	14.1	12.7	14.1	14.8
120°	11.3	11.3	12.7	14.8	17.7	18.4	15.5	12.7	11.3	12.7	13.4
122.5°	11.3	11.3	12.0	14.1	16.2	16.2	14.1	11.3	9.9	11.3	12.0
125°	11.3	11.3	12.0	13.4	14.8	14.8	12.7	9.9	9.2	10.6	10.6
127.5°	12.0	12.0	12.7	13.4	14.1	13.4	11.3	9.2	8.5	9.9	9.9
130°	12.0	12.0	12.0	12.7	12.7	12.0	9.9	8.5	8.5	9.2	9.9
132.5°	12.0	12.0	12.0	12.0	12.0	10.6	9.2	7.8	8.5	9.2	9.9
135°	11.3	11.3	11.3	11.3	10.6	9.2	7.8	6.4	7.8	8.5	8.5
137.5°	9.9	10.6	9.9	9.9	9.9	8.5	6.4	5.6	6.4	7.8	7.8
140°	9.2	9.2	9.2	9.2	8.5	7.1	5.6	4.2	4.9	6.4	6.4
142.5°	8.5	8.5	8.5	7.8	7.8	6.4	4.2	3.5	4.2	4.9	4.9
145°	7.1	7.1	7.1	7.1	6.4	4.9	3.5	2.8	3.5	4.2	4.2
147.5°	5.6	5.6	5.6	5.6	4.9	4.2	2.8	2.8	3.5	3.5	3.5
150°	4.2	4.9	4.9	4.9	4.2	3.5	2.1	2.1	2.8	3.5	3.5
152.5°	3.5	3.5	3.5	4.2	3.5	2.1	1.4	2.1	2.8	2.8	2.8
155°	2.1	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.1	2.8	2.8
157.5°	1.4	1.4	2.1	2.1	2.1	2.1	1.4	1.4	2.1	2.1	2.1
160°	0.7	0.7	1.4	2.1	2.1	2.1	1.4	1.4	2.1	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: P415583

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
2.5°	143.3	142.6	141.2	139.8	139.1	139.1	137.7	137.0	134.9	134.9	134.2
5°	146.2	144.7	141.9	139.1	137.0	136.3	134.9	132.7	131.3	130.6	130.6
7.5°	152.5	150.4	144.7	141.2	138.4	136.3	134.9	132.7	131.3	130.6	130.6
10°	163.1	159.6	153.2	146.9	142.6	139.8	138.4	137.7	137.0	136.3	136.3
12.5°	183.6	178.6	168.1	160.3	151.8	147.6	146.2	147.6	151.1	152.5	153.2
15°	211.8	205.5	192.8	178.6	165.9	158.9	161.7	168.8	175.1	177.9	177.2
17.5°	247.1	237.2	221.7	202.6	185.0	181.5	184.3	192.1	201.2	205.5	204.8
20°	292.3	284.6	261.3	230.2	210.4	204.8	206.9	216.8	230.2	234.4	235.8
22.5°	354.5	343.2	307.2	264.1	238.0	227.4	229.5	242.2	260.5	270.4	272.6
25°	435.0	423.0	370.0	304.3	263.4	247.1	255.6	272.6	302.2	317.7	316.3
27.5°	528.2	507.7	438.5	353.8	293.0	267.6	280.3	307.9	338.9	358.7	357.3
30°	614.3	596.7	504.2	398.9	318.4	287.4	300.8	336.1	372.1	396.1	397.5
32.5°	743.5	711.0	581.1	437.8	338.9	303.6	316.3	359.4	401.1	430.0	429.3
35°	877.0	840.3	665.8	483.0	356.6	314.2	327.6	376.3	422.2	456.8	457.6
37.5°	1017.5	965.9	741.4	512.6	370.7	320.6	334.0	388.4	447.0	486.5	487.9
40°	1112.1	1053.5	787.3	528.2	374.9	324.8	339.6	396.8	451.2	480.1	483.0
42.5°	1218.0	1135.4	811.3	515.5	370.0	324.1	341.0	390.5	432.8	453.3	455.4
45°	1364.2	1253.3	837.4	495.7	356.6	322.0	335.4	373.5	401.1	408.8	408.8
47.5°	1554.1	1396.7	881.2	474.5	342.5	315.6	325.5	350.2	360.8	359.4	355.9
50°	1782.2	1600.0	934.2	456.1	329.0	307.9	314.2	328.3	331.9	327.6	325.5
52.5°	2009.6	1763.8	970.9	439.9	320.6	300.8	305.0	315.6	315.6	302.9	300.8
55°	2217.8	1912.1	961.0	408.8	314.2	297.3	301.5	309.3	302.9	288.1	285.3
57.5°	2554.7	2168.4	986.4	378.5	305.0	296.6	302.2	307.2	298.0	283.9	281.0
60°	2614.7	2157.8	926.4	359.4	298.7	298.7	305.0	310.7	304.3	291.6	290.9
62.5°	2698.0	2167.7	835.3	331.9	294.4	300.1	311.4	319.9	319.2	310.0	308.6
64°	2756.6	2181.8	802.8	319.2	290.9	300.1	316.3	329.0	329.0	318.4	318.4
65°	2698.7	2128.2	778.8	312.8	287.4	300.1	319.2	334.7	333.3	324.8	323.4
67.5°	2523.6	1953.8	677.1	298.7	279.6	300.1	326.9	343.9	346.0	338.9	336.1
70°	2309.6	1763.1	588.9	282.4	271.8	296.6	326.9	349.5	353.0	345.3	343.2
72.5°	1882.5	1417.8	485.8	264.8	260.5	288.1	322.7	346.7	350.2	341.0	338.2
75°	1578.1	1158.0	402.5	247.8	248.5	277.5	312.1	334.0	334.0	324.1	319.9
77.5°	1299.9	934.9	333.3	231.6	234.4	264.1	293.0	307.2	302.9	293.7	288.1
80°	973.7	706.1	274.7	213.9	216.8	242.2	266.2	276.1	271.8	260.5	259.1
82.5°	712.5	507.7	234.4	195.6	197.7	218.2	235.8	244.3	247.8	238.7	235.8
85°	468.1	358.0	201.2	177.2	178.6	194.2	205.5	212.5	220.3	217.5	216.1
87.5°	305.7	247.8	170.2	156.0	157.5	170.2	177.9	185.0	200.5	202.6	199.8
90°	205.5	173.7	140.5	134.9	137.0	147.6	151.8	158.9	175.8	178.6	178.6
92.5°	137.7	124.3	113.7	113.7	117.2	126.4	127.1	129.2	143.3	146.9	145.5
95°	96.7	92.5	91.8	93.2	97.4	104.5	101.0	99.6	108.7	109.4	108.0
97.5°	74.1	72.7	74.1	76.3	78.4	85.4	81.9	78.4	82.6	81.2	82.6
100°	59.3	58.6	60.7	60.7	62.8	69.2	66.4	64.3	65.0	62.1	62.1
102.5°	47.3	47.3	49.4	50.1	51.5	56.5	55.8	53.7	52.3	49.4	50.1
105°	36.7	37.4	40.2	41.0	43.1	47.3	46.6	43.8	42.4	38.8	39.5
107.5°	29.7	31.1	33.2	33.9	36.0	39.5	38.1	35.3	33.2	31.8	31.8



REPORT NUMBER: P415583

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.7	25.4	27.5	28.2	30.4	33.2	32.5	28.9	26.1	25.4	26.1
112.5°	20.5	21.9	23.3	24.0	26.1	28.2	26.1	23.3	21.2	21.9	21.9
115°	17.7	18.4	19.8	20.5	21.9	24.0	21.9	19.1	17.7	18.4	19.1
117.5°	16.2	16.9	17.7	17.7	19.1	20.5	18.4	16.2	15.5	16.2	16.9
120°	14.1	14.8	15.5	16.2	16.9	17.7	16.2	14.1	13.4	14.8	14.8
122.5°	12.7	13.4	13.4	14.1	14.8	15.5	14.1	12.7	12.0	12.7	13.4
125°	11.3	12.0	12.7	12.7	13.4	13.4	12.7	11.3	11.3	12.0	12.0
127.5°	10.6	11.3	11.3	12.0	12.0	12.0	11.3	9.9	10.6	11.3	11.3
130°	10.6	10.6	10.6	10.6	10.6	10.6	9.9	9.2	9.9	10.6	10.6
132.5°	9.9	9.9	9.9	9.9	9.9	9.2	8.5	8.5	9.2	9.9	9.9
135°	9.2	9.2	8.5	8.5	8.5	8.5	7.8	7.8	7.8	8.5	8.5
137.5°	7.8	7.8	7.1	7.1	7.1	7.1	6.4	6.4	7.1	7.8	7.8
140°	6.4	6.4	5.6	5.6	5.6	5.6	5.6	5.6	6.4	6.4	7.1
142.5°	4.9	4.9	4.9	4.2	4.2	4.9	4.9	4.9	5.6	5.6	5.6
145°	4.2	4.2	4.2	3.5	3.5	4.2	4.2	4.2	4.9	4.9	4.9
147.5°	3.5	3.5	3.5	2.8	2.1	3.5	3.5	3.5	4.2	3.5	3.5
150°	3.5	3.5	2.8	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.1	1.4	1.4	2.1	2.8	2.1	2.1	2.1
155°	2.8	2.8	2.1	2.1	1.4	0.7	1.4	2.1	1.4	1.4	1.4
157.5°	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	0.7	0.7	0.7
160°	2.1	2.1	1.4	1.4	0.7	0.7	1.4	1.4	0.7	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)