

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: P415513

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415513
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-PA1-50-740-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA 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: 6122 lumens
Efficiency: N/A
Efficacy: 113.4 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 - G2

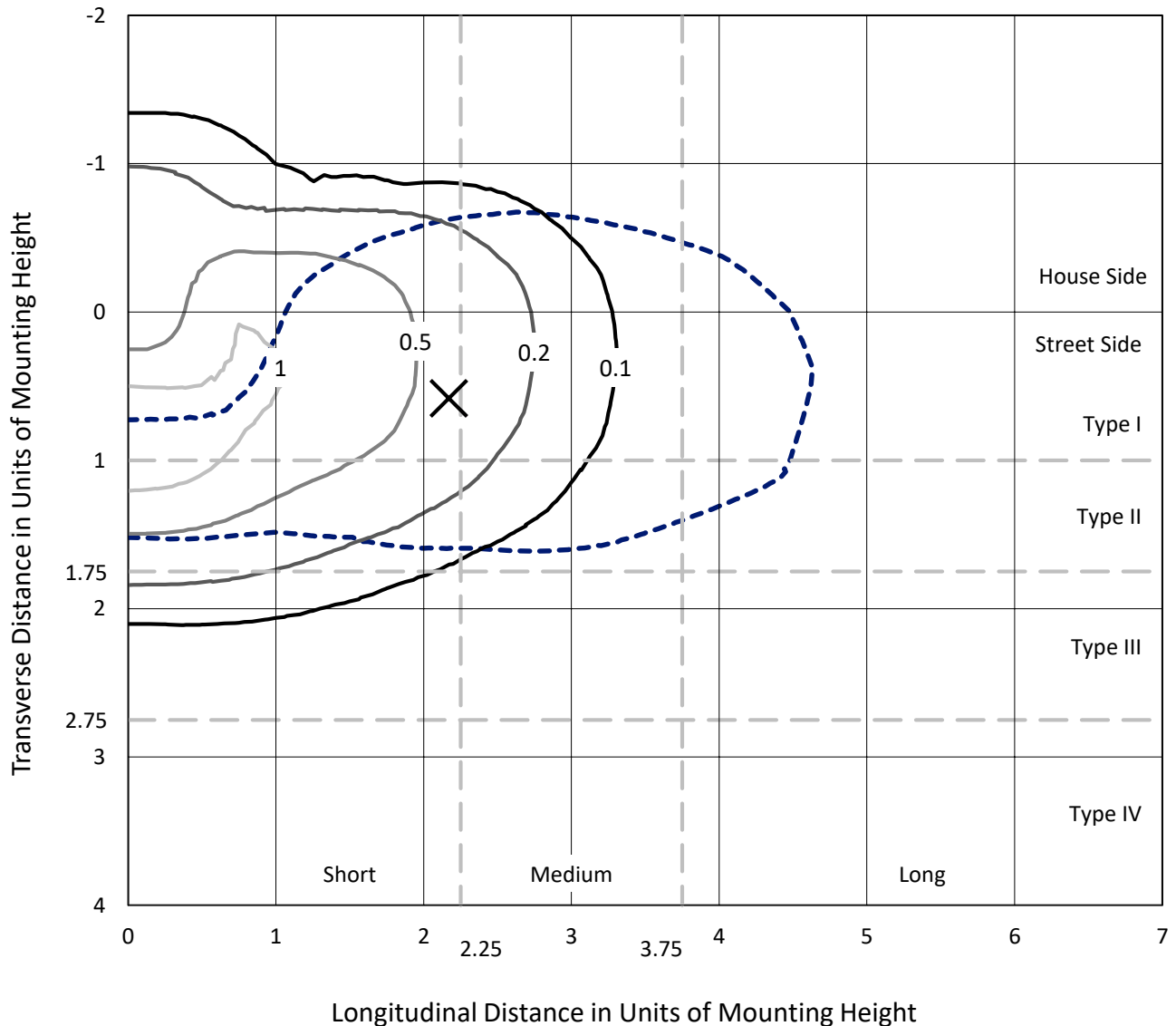
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415513
 CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

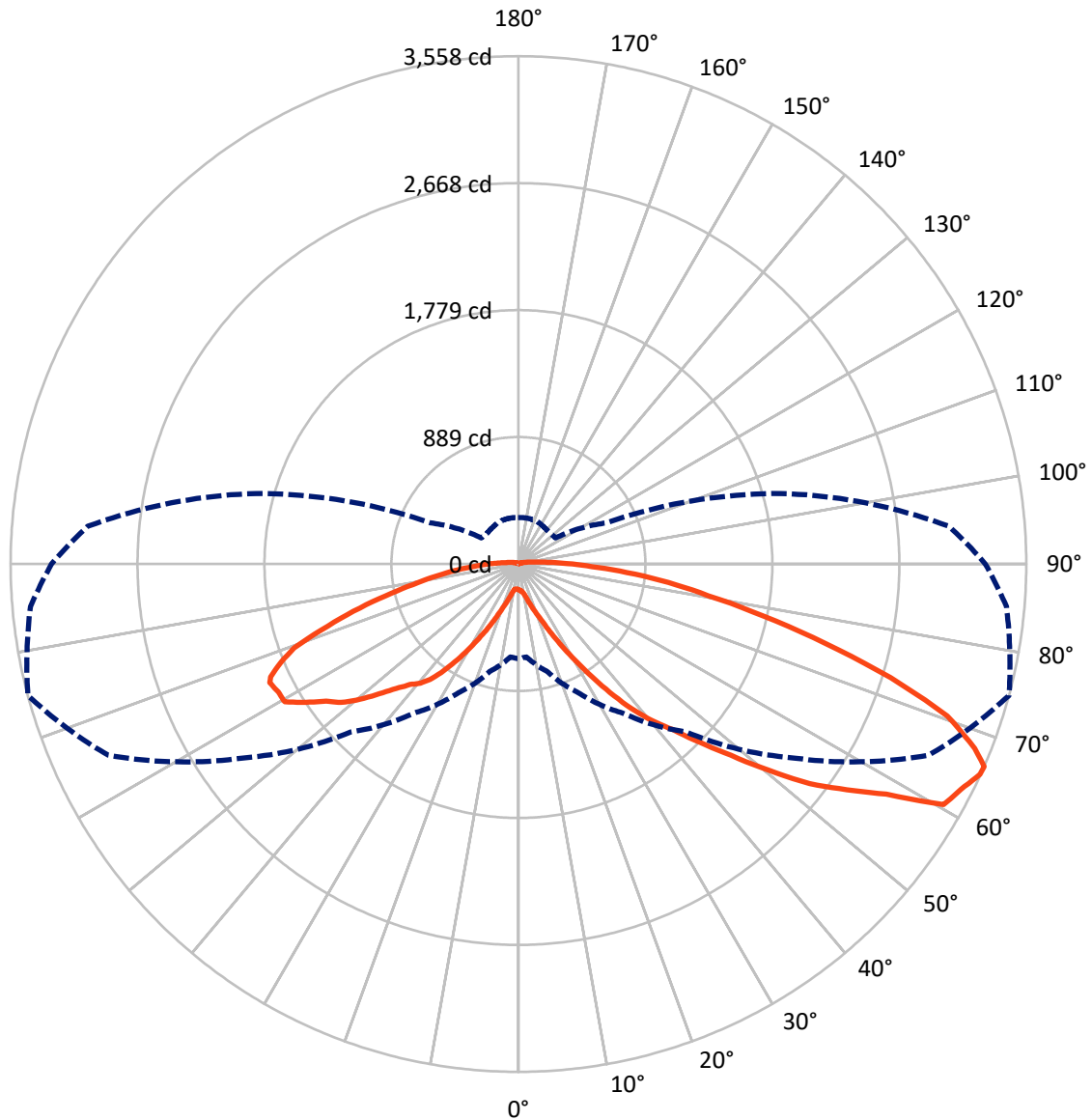
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415513
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415513

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1738.8	84.9	1823.7
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4214.4	83.9	4298.3
	% Fixture	68.8	1.4	70.2
Total	Lumens	5953.1	168.8	6122.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.3
10°-20°	76.9	1.3
20°-30°	233.3	3.8
30°-40°	577.1	9.4
40°-50°	1042.1	17.0
50°-60°	1408.1	23.0
60°-70°	1413.5	23.1
70°-80°	853.7	13.9
80°-90°	330.0	5.4
90°-100°	98.0	1.6
100°-110°	35.4	0.6
110°-120°	17.1	0.3
120°-130°	10.1	0.2
130°-140°	6.0	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5953.1	97.2
0°-180°	6122.0	100.0



REPORT NUMBER: P415513

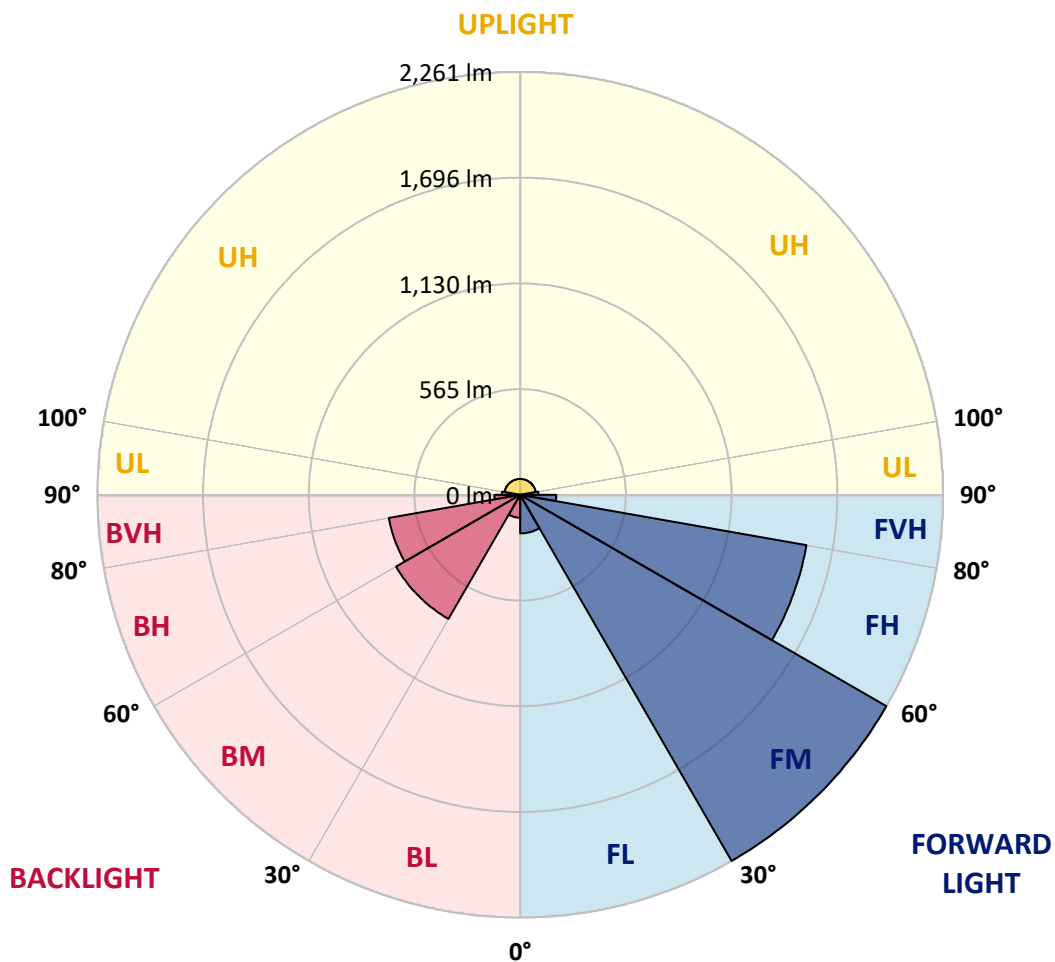
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.2	3.4			
FM (30°-60°)	2260.9	36.9			
FH (60°-80°)	1554.4	25.4			G1/1800
FVH (80°-90°)	192.8	3.1			G2/225
BL (0°-30°)	122.2	2.0	B1/500		
BM (30°-60°)	766.4	12.5	B1/1000		
BH (60°-80°)	712.8	11.6	B2/1000		G2/1000
BVH (80°-90°)	137.3	2.2			G2/225
UL (90°-100°)	98.0	1.6		U3/500	
UH (100°-180°)	84.9	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P415513

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	199.1	197.7	196.3	194.9	193.4	192.0	189.2	185.7	182.9	182.9	180.0
5°	217.4	216.0	213.9	211.1	208.3	205.4	199.8	194.2	188.5	188.5	183.6
7.5°	240.0	239.3	236.5	233.0	226.6	220.3	213.2	204.7	197.0	196.3	189.9
10°	269.0	267.6	263.3	258.4	251.3	242.9	233.0	222.4	211.1	210.4	202.6
12.5°	309.2	306.4	299.3	291.6	278.2	269.7	258.4	248.5	240.0	237.9	227.3
15°	361.5	357.9	350.2	336.8	319.1	303.6	297.2	286.6	277.5	274.6	264.8
17.5°	428.5	425.0	411.6	390.4	372.1	356.5	342.4	331.8	324.1	323.3	309.2
20°	520.3	511.9	490.0	460.3	436.3	417.2	397.5	385.5	377.7	374.9	366.4
22.5°	633.3	631.2	600.1	561.3	521.7	487.1	465.3	451.8	446.2	446.9	442.0
25°	777.3	771.0	741.3	684.8	625.5	581.7	551.4	542.9	542.2	537.3	535.1
27.5°	931.2	922.7	883.9	829.6	751.2	691.9	658.0	648.8	650.9	645.3	649.5
30°	1119.7	1115.5	1059.0	979.9	895.2	817.5	782.2	774.5	779.4	786.5	782.2
32.5°	1352.7	1359.1	1282.1	1175.5	1056.9	967.2	928.4	925.6	932.6	931.2	929.1
35°	1636.5	1647.8	1541.2	1412.0	1248.9	1142.3	1093.6	1090.1	1104.2	1102.8	1104.2
37.5°	1940.1	1945.0	1858.2	1653.5	1463.5	1316.0	1275.7	1271.5	1284.9	1277.2	1269.4
40°	2179.4	2202.7	2101.1	1925.3	1677.5	1527.1	1478.4	1455.1	1443.1	1434.6	1378.1
42.5°	2406.1	2391.9	2319.9	2124.4	1897.0	1733.2	1668.3	1624.5	1585.7	1580.0	1517.9
45°	2554.3	2536.7	2468.2	2287.4	2074.2	1938.7	1878.7	1825.7	1781.9	1762.2	1687.3
47.5°	2562.8	2554.3	2538.1	2402.5	2216.1	2098.2	2078.5	2050.2	2002.2	2002.9	1906.9
50°	2433.6	2420.2	2467.5	2415.9	2286.7	2224.6	2299.4	2330.5	2269.1	2262.7	2163.2
52.5°	2204.8	2197.8	2283.9	2334.7	2288.9	2312.9	2490.8	2603.7	2555.7	2530.3	2401.8
55°	1973.3	1981.7	2056.6	2138.5	2214.0	2338.3	2660.2	2885.4	2790.8	2773.9	2613.6
57.5°	1657.7	1685.9	1797.5	1926.0	2044.6	2303.0	2749.2	3064.0	3040.0	3033.7	2896.7
60°	1311.8	1308.9	1474.1	1661.2	1856.1	2186.5	2754.1	3288.6	3422.0	3391.6	3198.2
62.5°	1018.8	1025.8	1144.4	1378.8	1640.0	2009.3	2686.3	3388.8	3477.8	3443.2	3274.4
65°	737.8	749.1	893.8	1083.0	1378.1	1769.9	2493.6	3252.5	3553.3	3532.1	3436.8
66°	662.9	653.1	780.1	994.8	1275.0	1664.0	2372.2	3169.9	3557.5	3545.5	3431.9
67.5°	533.0	545.7	643.9	831.0	1109.1	1495.3	2152.6	3037.9	3447.4	3431.2	3354.9
70°	394.7	406.7	473.7	623.4	841.6	1192.4	1779.8	2624.2	3187.6	3199.6	3191.1
72.5°	292.3	305.0	350.9	458.9	622.7	886.7	1410.6	2211.9	2725.9	2754.1	2734.3
75°	227.3	232.3	270.4	345.9	455.4	624.8	1043.5	1714.2	2219.0	2271.2	2289.6
77.5°	182.9	187.1	218.2	266.9	341.0	456.1	731.4	1277.9	1756.5	1793.2	1827.8
80°	147.6	150.4	175.8	214.6	261.2	326.2	493.5	928.4	1347.8	1368.9	1419.8
82.5°	118.6	120.7	139.1	172.3	209.0	247.8	350.9	648.1	1058.3	1078.1	1142.3
85°	93.2	94.6	110.8	137.0	168.0	196.3	253.5	458.2	762.5	780.8	858.5
87.5°	73.4	74.8	87.5	106.6	135.6	155.3	187.1	308.5	514.7	540.8	629.0
90°	57.9	58.6	67.8	82.6	105.2	126.4	146.8	215.3	343.1	357.9	407.4
92.5°	43.8	44.5	51.5	62.8	81.9	100.3	112.3	149.0	219.6	225.9	261.2
95°	32.5	33.2	38.8	45.9	61.4	78.4	86.8	104.5	138.4	146.8	156.0
97.5°	25.4	26.1	29.7	33.9	45.2	61.4	69.2	77.0	94.6	97.4	104.5
100°	21.9	21.9	24.0	26.8	33.9	48.0	54.4	60.7	71.3	71.3	75.5
102.5°	18.4	18.4	19.8	21.2	27.5	38.1	43.8	48.0	53.7	54.4	57.9
105°	16.2	16.2	16.9	18.4	23.3	31.1	36.0	38.1	41.7	41.7	43.1
107.5°	14.1	14.1	14.8	15.5	20.5	26.1	28.9	29.7	31.1	31.1	33.2



REPORT NUMBER: P415513

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	13.4	13.4	13.4	14.1	17.7	22.6	24.0	23.3	24.0	24.0	26.1
112.5°	12.7	12.0	12.0	12.7	16.2	19.8	19.8	19.1	19.1	19.1	21.2
115°	12.0	12.0	11.3	12.0	14.8	16.9	16.9	15.5	15.5	15.5	17.7
117.5°	12.0	12.0	11.3	11.3	13.4	15.5	14.8	13.4	12.7	13.4	15.5
120°	12.0	12.0	10.6	10.6	12.7	13.4	13.4	11.3	11.3	11.3	13.4
122.5°	12.0	12.0	10.6	10.6	12.0	12.7	12.0	9.9	9.9	9.9	12.0
125°	12.7	12.0	10.6	10.6	11.3	11.3	10.6	9.2	8.5	8.5	10.6
127.5°	12.7	12.7	11.3	10.6	10.6	10.6	9.9	8.5	7.8	7.8	9.9
130°	14.1	13.4	12.0	10.6	9.9	9.2	8.5	7.8	7.8	7.8	9.2
132.5°	14.1	14.1	12.0	9.9	9.2	8.5	7.8	6.4	7.1	7.1	8.5
135°	13.4	12.7	10.6	9.2	8.5	7.1	6.4	5.6	6.4	6.4	7.8
137.5°	12.0	11.3	9.9	7.8	7.1	5.6	4.9	4.2	4.9	4.9	6.4
140°	9.9	9.9	7.8	6.4	5.6	4.9	4.2	2.8	3.5	4.2	4.9
142.5°	8.5	7.8	6.4	4.9	4.2	3.5	2.8	2.1	2.8	2.8	3.5
145°	7.1	6.4	4.9	3.5	2.8	2.1	1.4	1.4	1.4	1.4	2.1
147.5°	5.6	4.9	3.5	2.1	1.4	1.4	0.7	0.7	1.4	1.4	1.4
150°	4.2	4.2	2.8	1.4	0.7	0.7	0.0	0.7	0.7	0.7	0.7
152.5°	3.5	3.5	2.1	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	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: P415513

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	179.3	177.9	176.5	175.1	173.7	173.0	170.9	169.4	169.4	169.4	168.7
5°	181.4	178.6	175.1	172.3	168.7	165.9	163.8	161.7	160.3	160.3	160.3
7.5°	186.4	183.6	177.2	171.6	166.6	162.4	159.6	157.4	156.7	156.0	156.0
10°	197.7	192.7	184.3	175.8	168.7	163.1	160.3	158.9	158.1	158.1	158.1
12.5°	223.1	216.0	203.3	189.2	177.2	168.7	165.9	165.9	170.1	172.3	172.3
15°	257.0	250.6	235.8	216.0	197.0	182.9	180.7	185.7	191.3	194.2	193.4
17.5°	303.6	295.1	275.3	249.2	223.8	209.7	203.3	208.3	215.3	218.9	218.9
20°	358.6	350.2	323.3	288.0	257.0	241.5	231.6	231.6	240.7	243.6	245.0
22.5°	434.2	421.5	383.4	334.6	294.4	270.4	258.4	256.3	266.9	271.8	270.4
25°	518.9	509.0	464.5	391.8	339.6	300.8	284.5	284.5	297.9	309.2	309.9
27.5°	637.5	612.8	550.7	461.7	383.4	329.0	311.3	314.9	329.0	340.3	340.3
30°	761.8	744.1	653.1	535.9	425.7	355.1	329.7	335.4	348.1	360.8	360.8
32.5°	912.2	882.5	770.2	609.3	464.5	372.1	339.6	347.4	362.2	374.9	374.9
35°	1059.0	1035.0	888.1	686.2	498.4	379.1	343.8	353.0	369.9	385.5	386.9
37.5°	1229.9	1177.6	1003.2	755.4	523.1	380.5	342.4	358.6	381.2	398.9	399.6
40°	1332.2	1269.4	1080.9	807.0	534.4	375.6	342.4	362.9	381.9	388.3	387.6
42.5°	1453.7	1374.6	1135.3	813.3	520.3	365.7	341.7	357.9	366.4	366.4	365.7
45°	1616.7	1527.8	1221.4	816.8	491.4	353.7	336.1	346.6	344.5	338.2	336.1
47.5°	1816.5	1708.5	1330.8	829.6	463.1	341.7	329.7	332.5	322.6	308.5	307.8
50°	2055.2	1928.1	1459.3	843.0	438.4	331.8	324.1	321.2	311.3	299.3	297.9
52.5°	2279.0	2125.8	1575.8	852.1	418.0	325.5	319.8	319.1	309.2	293.7	292.3
55°	2481.6	2298.0	1654.2	834.5	399.6	322.6	319.8	320.5	307.8	292.3	290.2
57.5°	2774.6	2573.4	1778.4	808.4	377.7	321.9	321.9	322.6	307.1	292.3	290.2
60°	3029.5	2805.6	1900.6	806.3	356.5	321.2	322.6	321.9	310.6	301.5	299.3
62.5°	3117.0	2903.8	1906.2	755.4	343.1	317.7	319.8	323.3	321.2	317.0	314.9
65°	3282.2	3049.2	1930.2	698.2	324.1	311.3	316.3	325.5	326.9	324.1	321.9
66°	3270.2	3028.7	1906.9	680.6	317.7	307.8	314.2	324.1	326.9	326.2	324.8
67.5°	3210.9	2975.8	1830.0	630.5	308.5	301.5	310.6	320.5	326.9	329.0	327.6
70°	3050.6	2816.2	1676.8	554.9	290.9	286.6	299.3	312.1	322.6	326.2	325.5
72.5°	2599.5	2376.4	1402.8	473.7	266.2	265.5	280.3	295.8	308.5	312.1	310.6
75°	2182.3	1962.7	1152.2	390.4	240.7	241.5	255.6	270.4	280.3	280.3	281.0
77.5°	1749.5	1563.8	912.9	324.1	214.6	214.6	224.5	236.5	242.9	240.0	235.8
80°	1345.6	1222.8	713.1	271.1	188.5	187.1	192.0	201.2	206.2	199.8	194.9
82.5°	1086.5	980.6	564.1	225.9	163.1	161.7	163.8	170.1	173.0	165.9	163.8
85°	824.6	729.3	424.3	185.7	141.2	137.7	141.2	142.6	146.1	139.8	135.6
87.5°	583.2	516.8	307.8	154.6	120.7	118.6	117.9	119.3	121.4	117.2	115.1
90°	391.8	343.8	222.4	129.2	103.1	99.5	98.1	98.1	99.5	92.5	90.4
92.5°	251.3	222.4	154.6	103.1	86.1	81.9	79.1	79.8	79.1	72.0	70.6
95°	156.7	141.9	111.5	81.2	69.2	65.7	62.8	62.1	61.4	56.5	55.1
97.5°	102.4	97.4	83.3	64.2	55.1	52.2	50.8	50.1	50.1	46.6	44.5
100°	76.2	74.1	65.7	53.7	45.2	43.1	41.7	41.7	43.1	40.2	38.8
102.5°	59.3	60.0	53.7	45.2	38.1	36.7	35.3	35.3	36.7	35.3	34.6
105°	45.2	45.2	43.8	37.4	32.5	31.8	30.4	30.4	31.8	31.8	31.8
107.5°	35.3	36.7	35.3	31.1	28.2	27.5	26.1	26.1	27.5	28.2	28.9



REPORT NUMBER: P415513

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.2	29.7	28.9	26.8	24.7	24.0	22.6	21.9	23.3	25.4	25.4
112.5°	22.6	24.0	24.0	22.6	21.2	21.2	19.8	19.1	20.5	22.6	22.6
115°	19.1	20.5	20.5	19.8	19.1	18.4	16.9	16.2	17.7	19.8	20.5
117.5°	16.2	17.7	17.7	17.7	16.9	16.2	14.8	14.1	14.8	16.9	17.7
120°	14.8	15.5	15.5	15.5	14.8	14.8	13.4	12.7	13.4	15.5	15.5
122.5°	12.7	13.4	14.1	14.1	13.4	13.4	12.0	10.6	11.3	13.4	14.1
125°	11.3	12.0	12.7	12.7	12.0	12.0	10.6	9.9	10.6	12.0	12.7
127.5°	10.6	11.3	11.3	11.3	11.3	10.6	9.2	8.5	9.2	11.3	11.3
130°	9.9	10.6	10.6	10.6	9.9	9.2	8.5	7.8	8.5	10.6	10.6
132.5°	9.2	9.9	9.9	9.2	9.2	8.5	7.1	6.4	7.8	9.2	9.2
135°	7.8	8.5	8.5	8.5	7.8	7.1	6.4	5.6	7.1	7.8	7.8
137.5°	6.4	7.1	7.1	7.1	6.4	5.6	4.9	4.9	5.6	7.1	7.1
140°	4.9	5.6	5.6	5.6	4.9	4.9	4.2	3.5	4.9	5.6	5.6
142.5°	3.5	4.2	4.2	4.2	3.5	3.5	2.8	2.8	4.2	4.9	4.9
145°	2.1	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.8	3.5	3.5
147.5°	1.4	2.1	2.1	2.1	2.1	1.4	0.7	1.4	2.1	2.8	2.8
150°	0.7	1.4	1.4	1.4	1.4	0.7	0.0	0.7	1.4	2.1	2.1
152.5°	0.7	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.0
157.5°	0.0	0.0	0.0	0.7	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)