

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: P413821

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8561 lumens
Efficiency: N/A
Efficacy: 89.2 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 - G4

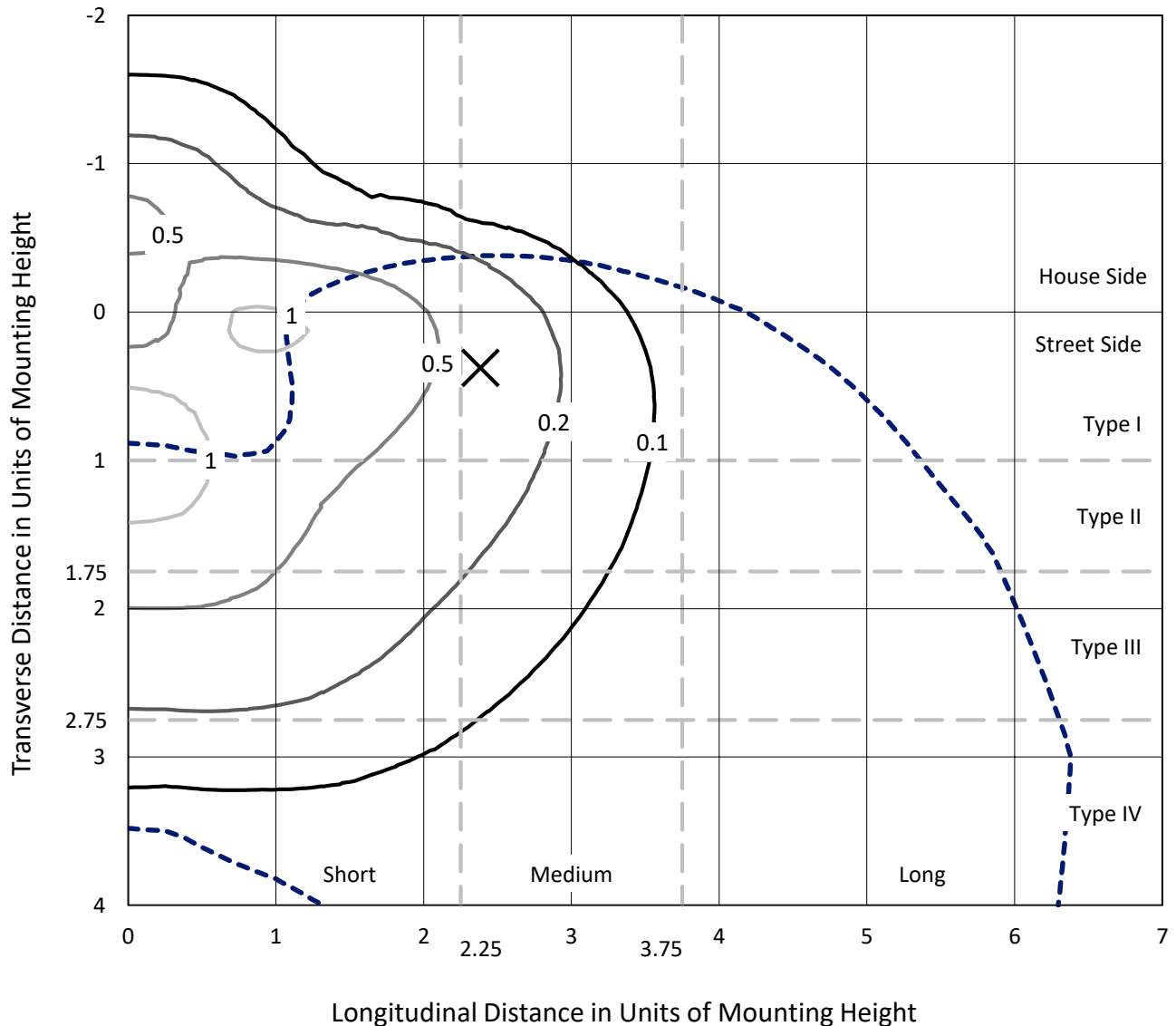
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413821
 CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

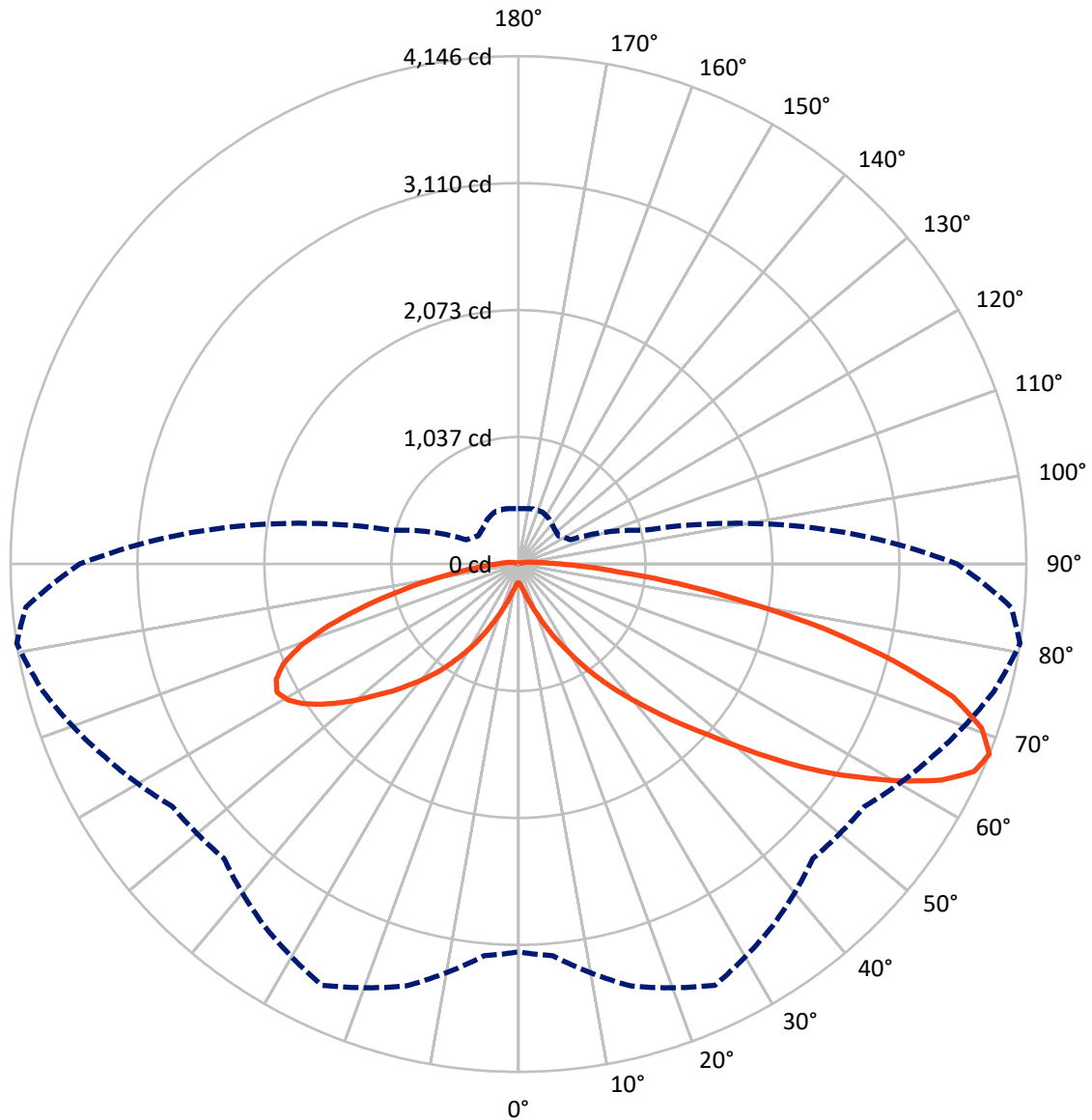


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413821

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P413821

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1874.0	133.3	2007.3
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	6386.1	167.6	6553.7
	% Fixture	74.6	2.0	76.6
Total	Lumens	8260.1	300.9	8561.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.2
10°-20°	88.4	1.0
20°-30°	263.6	3.1
30°-40°	572.3	6.7
40°-50°	1003.5	11.7
50°-60°	1590.4	18.6
60°-70°	2146.1	25.1
70°-80°	1841.4	21.5
80°-90°	736.7	8.6
90°-100°	179.3	2.1
100°-110°	63.0	0.7
110°-120°	28.8	0.3
120°-130°	15.6	0.2
130°-140°	8.7	0.1
140°-150°	4.1	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8260.1	96.5
0°-180°	8561.0	100.0



REPORT NUMBER: P413821

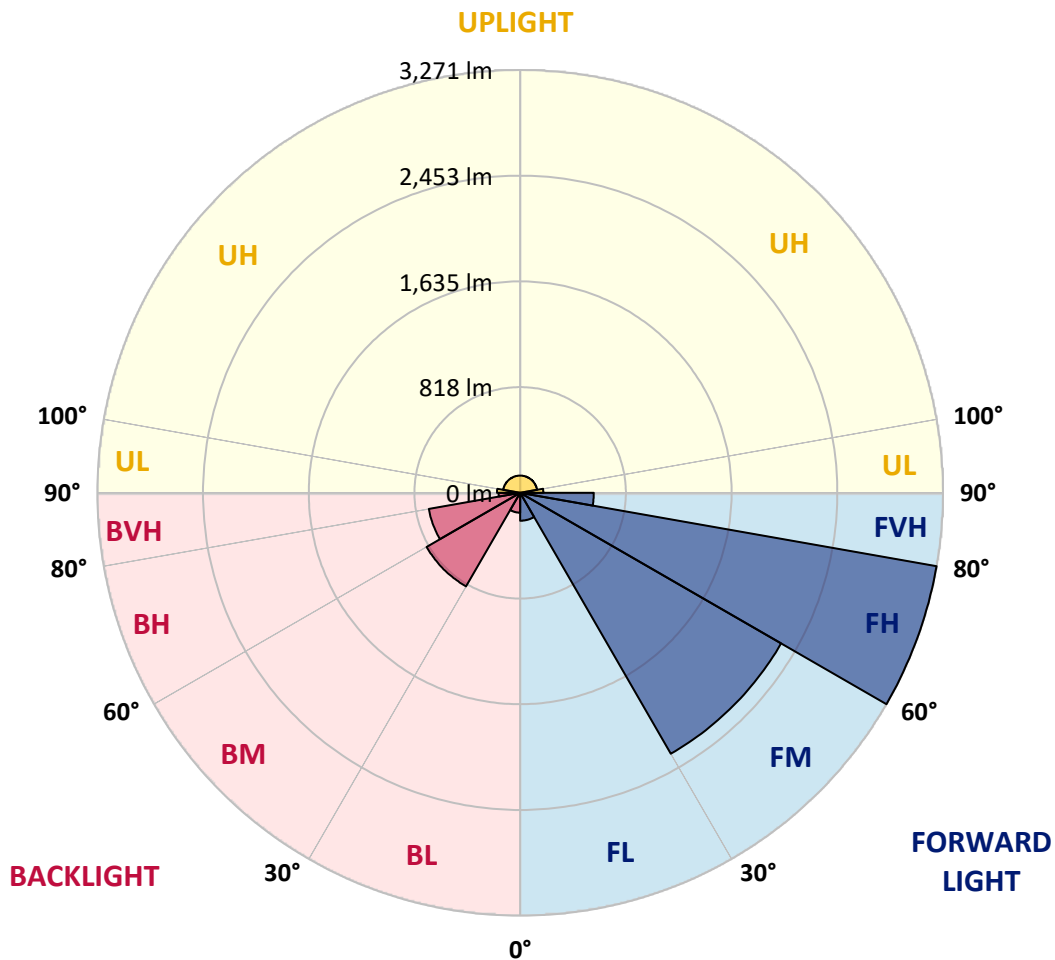
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.0	2.5			
FM (30°-60°)	2330.2	27.2			
FH (60°-80°)	3270.5	38.2			G2/5000
FVH (80°-90°)	569.4	6.7			G4/750
BL (0°-30°)	153.7	1.8	B1/500		
BM (30°-60°)	836.0	9.8	B1/1000		
BH (60°-80°)	717.0	8.4	B2/1000		G2/1000
BVH (80°-90°)	167.3	2.0			G2/225
UL (90°-100°)	179.3	2.1		U3/500	
UH (100°-180°)	133.3	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P413821
 CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
2.5°	168.0	167.0	167.0	168.0	168.0	168.0	165.1	162.1	159.1	158.1	157.1
5°	190.9	188.9	188.9	188.9	187.9	184.9	181.0	177.0	173.0	171.0	169.0
7.5°	220.7	219.7	218.7	215.8	214.8	209.8	203.8	197.9	191.9	189.9	187.9
10°	261.5	260.5	255.5	254.5	249.6	244.6	235.6	226.7	218.7	215.8	212.8
12.5°	313.2	313.2	306.2	298.3	292.3	282.4	274.4	263.5	257.5	253.5	249.6
15°	380.8	376.8	367.9	358.9	343.0	331.1	319.2	313.2	309.2	304.2	298.3
17.5°	455.4	450.4	442.5	424.6	403.7	386.8	375.8	369.9	367.9	364.9	357.9
20°	544.9	538.9	528.0	500.1	477.3	454.4	441.5	438.5	440.5	435.5	428.5
22.5°	651.3	647.3	624.4	589.6	557.8	526.0	514.0	516.0	520.0	527.0	523.0
25°	772.6	762.6	740.7	691.0	638.3	607.5	595.6	604.5	622.4	632.4	624.4
27.5°	913.7	907.8	864.0	799.4	730.8	689.0	680.1	705.9	736.8	744.7	744.7
30°	1062.9	1066.9	1003.2	926.7	840.2	782.5	771.6	808.3	861.0	866.0	878.9
32.5°	1251.8	1244.8	1178.2	1052.9	950.5	876.0	869.0	920.7	987.3	1013.2	1013.2
35°	1449.7	1442.7	1361.2	1213.0	1070.8	974.4	979.4	1034.1	1124.5	1157.3	1162.3
37.5°	1677.3	1654.5	1566.0	1382.0	1202.1	1088.7	1079.8	1162.3	1268.7	1315.4	1315.4
40°	1927.9	1915.0	1791.7	1573.9	1336.3	1207.1	1200.1	1295.5	1424.8	1476.5	1486.4
42.5°	2171.5	2154.6	2040.3	1759.9	1491.4	1332.3	1333.3	1437.7	1585.9	1657.5	1670.4
45°	2429.0	2413.1	2287.8	1988.6	1659.5	1487.4	1475.5	1605.8	1782.7	1862.3	1877.2
47.5°	2657.7	2646.8	2538.4	2216.2	1868.3	1653.5	1637.6	1787.7	1992.5	2081.0	2125.8
50°	2906.3	2892.4	2790.9	2458.9	2076.1	1830.5	1829.5	1990.5	2247.1	2354.5	2391.2
52.5°	3108.1	3092.2	3021.6	2702.5	2281.9	2037.3	2020.4	2218.2	2510.6	2664.7	2682.6
55°	3294.0	3288.1	3264.2	2963.9	2532.4	2240.1	2251.0	2485.7	2810.8	2984.8	3011.7
57.5°	3428.3	3436.2	3447.2	3226.4	2778.0	2466.8	2486.7	2754.2	3123.0	3285.1	3321.9
60°	3519.7	3547.6	3620.2	3455.1	3028.6	2714.4	2748.2	3019.6	3423.3	3596.3	3626.1
62.5°	3526.7	3556.5	3725.6	3668.9	3269.2	2967.9	3006.7	3293.1	3691.8	3883.7	3886.6
65°	3394.5	3435.2	3705.7	3784.2	3481.0	3210.5	3245.3	3536.7	3916.5	4086.5	4024.8
67.5°	3166.8	3209.5	3567.5	3794.2	3612.2	3399.4	3449.2	3725.6	4017.9	4146.1	4036.8
70°	2836.7	2878.4	3255.3	3644.0	3636.1	3510.8	3576.4	3803.1	3999.0	4011.9	3857.8
72.5°	2403.2	2399.2	2805.9	3315.9	3503.8	3501.9	3606.3	3744.5	3783.2	3710.7	3482.0
75°	1840.4	1892.1	2263.0	2841.7	3202.6	3343.8	3449.2	3501.9	3390.5	3165.8	2918.2
77.5°	1318.4	1361.2	1698.2	2240.1	2755.1	3015.6	3132.0	3107.1	2830.7	2567.2	2282.9
80°	873.0	897.8	1179.2	1672.4	2221.2	2523.5	2663.7	2568.2	2217.2	1880.2	1634.6
82.5°	524.0	564.8	741.7	1175.2	1647.5	1994.5	2080.0	1920.9	1582.9	1308.5	1128.5
85°	317.2	326.1	461.3	751.7	1150.4	1434.7	1516.3	1345.3	1041.0	817.3	678.1
87.5°	178.0	193.9	285.4	489.2	773.5	996.3	1025.1	885.9	653.2	507.1	424.6
90°	104.4	115.3	175.0	303.3	493.2	644.3	652.2	535.9	386.8	305.2	271.4
92.5°	66.6	74.6	116.3	194.9	317.2	418.6	407.7	331.1	247.6	203.8	176.0
95°	47.7	51.7	81.5	134.2	212.8	263.5	259.5	207.8	166.0	142.2	129.3
97.5°	35.8	39.8	63.6	98.4	143.2	177.0	173.0	138.2	115.3	104.4	99.4
100°	29.8	31.8	51.7	77.6	106.4	127.3	125.3	102.4	86.5	78.5	76.6
102.5°	25.9	27.8	42.8	62.6	84.5	98.4	94.5	79.5	65.6	58.7	56.7
105°	22.9	23.9	36.8	53.7	69.6	77.6	76.6	63.6	50.7	43.7	42.8
107.5°	20.9	21.9	31.8	45.7	58.7	65.6	63.6	51.7	38.8	33.8	32.8
110°	18.9	19.9	27.8	39.8	49.7	55.7	52.7	42.8	30.8	25.9	25.9



REPORT NUMBER: P413821

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	17.9	17.9	24.9	33.8	42.8	47.7	44.7	34.8	23.9	20.9	21.9
115°	16.9	16.9	21.9	29.8	37.8	41.8	37.8	28.8	19.9	17.9	17.9
117.5°	15.9	15.9	19.9	26.8	33.8	36.8	32.8	24.9	16.9	14.9	15.9
120°	14.9	15.9	18.9	23.9	29.8	31.8	28.8	20.9	13.9	13.9	14.9
122.5°	14.9	14.9	17.9	21.9	26.8	27.8	24.9	17.9	12.9	12.9	12.9
125°	14.9	14.9	16.9	19.9	23.9	24.9	20.9	14.9	11.9	11.9	11.9
127.5°	14.9	14.9	15.9	18.9	20.9	21.9	18.9	13.9	10.9	10.9	11.9
130°	13.9	14.9	14.9	16.9	18.9	18.9	15.9	11.9	9.9	9.9	10.9
132.5°	13.9	13.9	14.9	15.9	16.9	16.9	13.9	10.9	8.9	9.9	9.9
135°	13.9	13.9	13.9	14.9	15.9	14.9	11.9	8.9	8.0	8.9	8.9
137.5°	12.9	12.9	12.9	13.9	13.9	12.9	10.9	8.0	8.0	8.0	8.0
140°	11.9	11.9	11.9	11.9	12.9	11.9	8.9	7.0	7.0	7.0	7.0
142.5°	10.9	10.9	10.9	10.9	10.9	9.9	8.0	6.0	6.0	6.0	6.0
145°	9.9	9.9	9.9	9.9	8.9	8.0	6.0	5.0	5.0	6.0	6.0
147.5°	8.0	8.0	8.0	8.0	8.0	7.0	5.0	4.0	5.0	5.0	5.0
150°	7.0	7.0	7.0	7.0	6.0	6.0	4.0	4.0	4.0	5.0	5.0
152.5°	5.0	5.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	3.0	4.0	4.0	4.0
157.5°	2.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
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: P413821

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1
2.5°	157.1	156.1	155.1	154.1	153.1	153.1	152.1	151.1	150.1	149.1	149.1
5°	168.0	166.0	163.1	161.1	159.1	159.1	157.1	156.1	154.1	153.1	153.1
7.5°	184.9	183.9	178.0	175.0	172.0	171.0	169.0	167.0	165.1	165.1	165.1
10°	209.8	206.8	201.8	193.9	190.9	188.9	185.9	183.9	183.9	184.9	184.9
12.5°	247.6	239.6	232.7	221.7	215.8	211.8	209.8	210.8	215.8	217.7	215.8
15°	291.3	289.3	272.4	256.5	244.6	236.6	241.6	247.6	254.5	256.5	259.5
17.5°	352.0	345.0	322.1	299.3	277.4	273.4	279.4	289.3	297.3	303.3	308.2
20°	424.6	412.6	384.8	345.0	320.2	314.2	318.2	332.1	347.0	358.9	359.9
22.5°	516.0	498.1	448.4	398.7	361.9	352.0	356.9	378.8	400.7	415.6	414.6
25°	615.5	593.6	527.0	455.4	404.7	386.8	395.7	424.6	455.4	473.3	475.3
27.5°	726.8	704.9	612.5	510.1	443.4	416.6	431.5	464.3	506.1	528.0	531.9
30°	858.1	828.2	698.0	568.7	479.2	444.4	458.4	501.1	546.9	577.7	581.7
32.5°	994.3	947.5	783.5	616.5	504.1	462.3	478.2	528.0	580.7	614.5	620.4
35°	1135.5	1077.8	870.0	657.2	522.0	473.3	489.2	544.9	600.5	637.3	642.3
37.5°	1294.6	1218.0	948.5	688.0	531.9	476.3	492.2	547.8	604.5	640.3	645.3
40°	1454.6	1352.2	1014.2	706.9	532.9	473.3	486.2	539.9	593.6	624.4	629.4
42.5°	1626.6	1493.4	1079.8	711.9	528.0	465.3	476.3	524.0	569.7	593.6	596.6
45°	1819.5	1656.5	1135.5	707.9	514.0	453.4	461.3	502.1	537.9	548.8	553.8
47.5°	2023.4	1817.5	1178.2	696.0	500.1	440.5	445.4	479.2	502.1	503.1	504.1
50°	2271.9	2013.4	1230.9	679.1	481.2	428.5	431.5	458.4	469.3	464.3	462.3
52.5°	2544.4	2223.2	1264.7	652.2	464.3	417.6	420.6	441.5	445.4	434.5	435.5
55°	2840.7	2419.1	1293.6	626.4	446.4	410.6	416.6	433.5	433.5	419.6	418.6
57.5°	3117.1	2618.9	1306.5	593.6	431.5	405.7	415.6	432.5	430.5	417.6	416.6
60°	3384.5	2782.0	1290.6	561.8	421.6	403.7	421.6	439.5	437.5	426.5	425.6
62.5°	3569.5	2884.4	1250.8	530.0	412.6	406.7	428.5	449.4	449.4	437.5	437.5
65°	3649.0	2872.5	1169.3	498.1	405.7	408.6	438.5	460.4	458.4	448.4	446.4
67.5°	3582.4	2764.1	1059.9	467.3	399.7	410.6	443.4	466.3	464.3	453.4	451.4
70°	3368.6	2536.4	927.7	439.5	391.7	407.7	445.4	465.3	462.3	452.4	448.4
72.5°	2943.1	2182.4	789.5	412.6	379.8	400.7	439.5	457.4	454.4	446.4	441.5
75°	2424.1	1759.9	652.2	382.8	364.9	387.8	426.5	442.5	438.5	431.5	426.5
77.5°	1853.3	1329.4	538.9	355.0	347.0	370.9	408.6	420.6	416.6	410.6	407.7
80°	1311.5	946.6	433.5	324.1	321.2	345.0	376.8	389.8	387.8	381.8	376.8
82.5°	863.0	629.4	346.0	289.3	291.3	316.2	340.0	347.0	346.0	341.0	335.1
85°	531.9	414.6	272.4	249.6	258.5	278.4	298.3	299.3	296.3	295.3	286.4
87.5°	339.0	283.4	213.8	211.8	224.7	241.6	250.6	246.6	248.6	248.6	241.6
90°	220.7	198.9	171.0	177.0	190.9	203.8	207.8	196.9	202.8	199.9	196.9
92.5°	160.1	148.1	139.2	147.2	161.1	173.0	171.0	159.1	162.1	162.1	161.1
95°	121.3	115.3	116.3	124.3	135.2	143.2	139.2	129.3	130.3	128.3	125.3
97.5°	95.5	94.5	98.4	104.4	114.3	119.3	115.3	106.4	105.4	102.4	101.4
100°	75.6	76.6	82.5	89.5	95.5	99.4	96.4	87.5	83.5	78.5	77.6
102.5°	58.7	60.7	68.6	74.6	80.5	83.5	80.5	73.6	66.6	61.6	60.7
105°	45.7	47.7	56.7	62.6	67.6	69.6	67.6	59.7	52.7	46.7	46.7
107.5°	35.8	37.8	46.7	53.7	56.7	58.7	55.7	49.7	41.8	36.8	36.8
110°	28.8	30.8	38.8	44.7	47.7	49.7	46.7	39.8	33.8	29.8	29.8



REPORT NUMBER: P413821

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.9	25.9	31.8	37.8	40.8	41.8	38.8	33.8	26.8	24.9	24.9
115°	19.9	21.9	26.8	31.8	34.8	34.8	32.8	27.8	21.9	20.9	20.9
117.5°	16.9	18.9	22.9	27.8	29.8	29.8	27.8	22.9	18.9	17.9	17.9
120°	15.9	16.9	19.9	23.9	25.9	25.9	23.9	19.9	15.9	15.9	15.9
122.5°	13.9	14.9	17.9	20.9	22.9	22.9	20.9	16.9	13.9	14.9	14.9
125°	12.9	13.9	15.9	17.9	19.9	19.9	17.9	14.9	12.9	12.9	12.9
127.5°	11.9	12.9	13.9	15.9	16.9	16.9	15.9	12.9	11.9	11.9	11.9
130°	10.9	11.9	12.9	13.9	14.9	14.9	12.9	10.9	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	11.9	12.9	12.9	11.9	9.9	9.9	9.9	9.9
135°	9.9	9.9	9.9	9.9	10.9	10.9	9.9	8.9	8.9	8.9	8.9
137.5°	8.9	8.9	8.9	8.9	9.9	9.9	8.9	8.0	8.0	8.0	8.0
140°	8.0	8.0	8.0	7.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
142.5°	6.0	7.0	6.0	6.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
147.5°	5.0	5.0	5.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	4.0
150°	5.0	5.0	4.0	4.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
155°	4.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	3.0	3.0	3.0	2.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0
160°	3.0	3.0	3.0	2.0	1.0	1.0	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)