

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: P413754

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7944 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

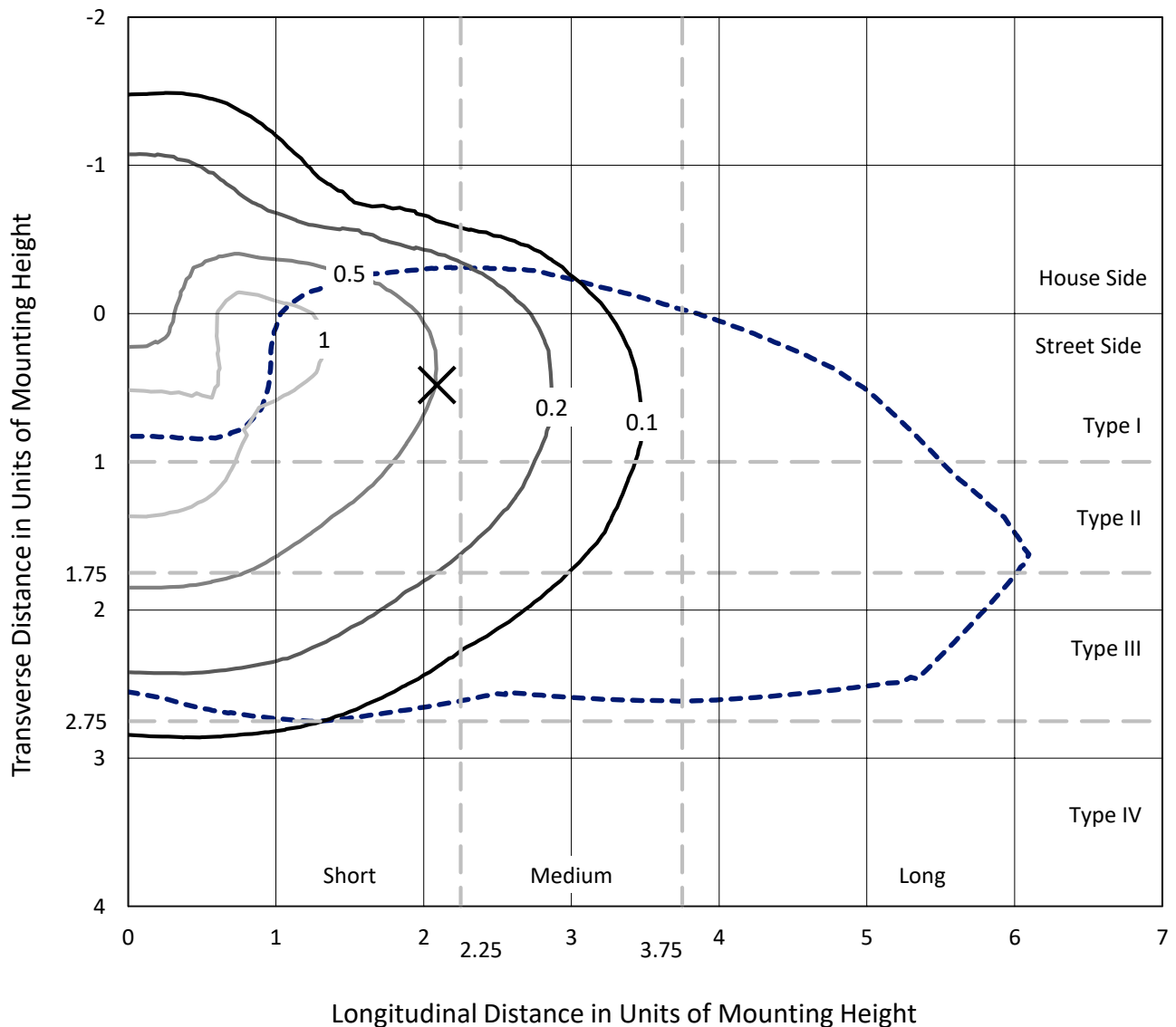
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413754
 CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

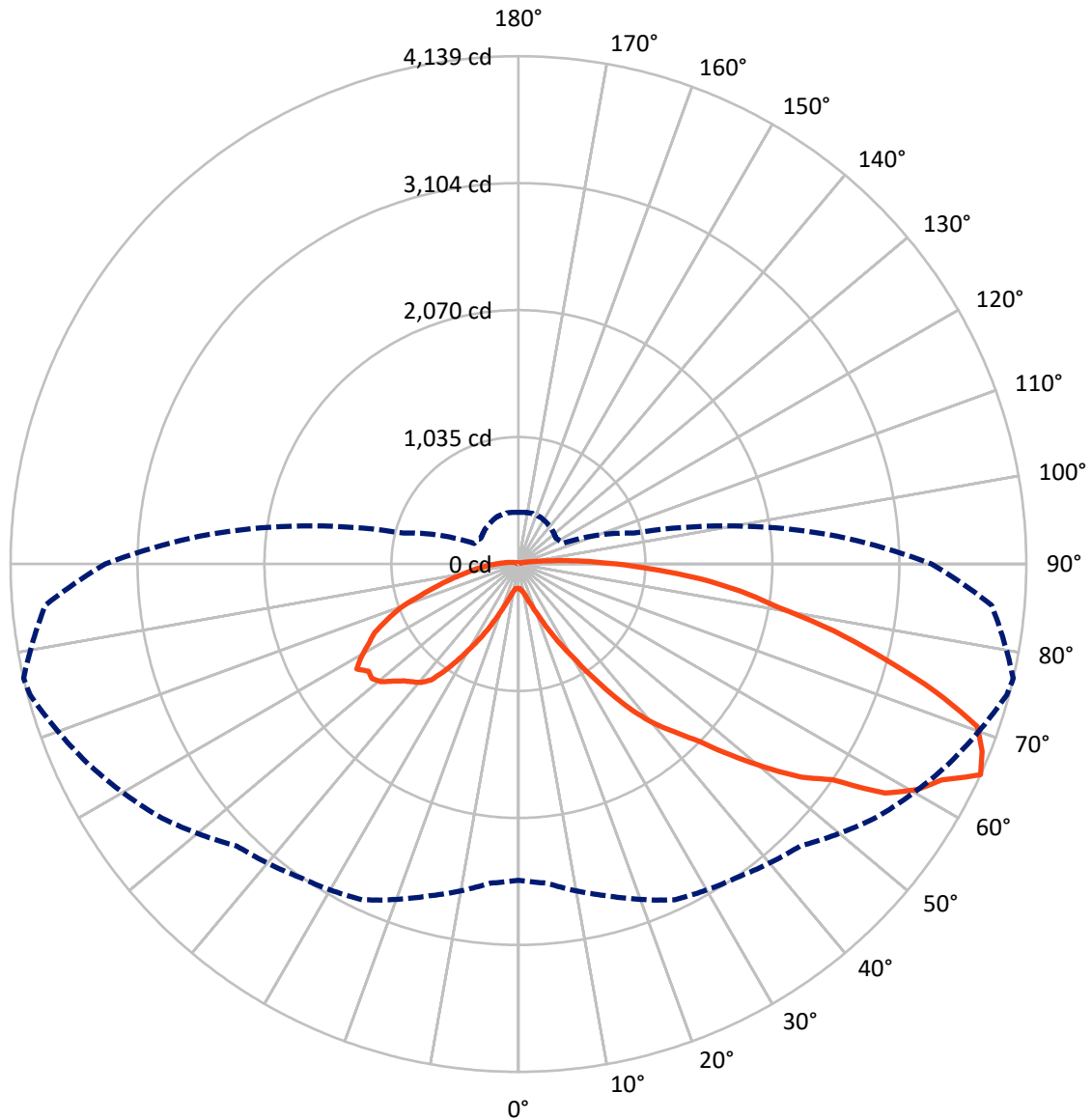
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P413754
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P413754

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1750.5	124.5	1875.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5913.4	155.6	6069.0
	% Fixture	74.4	2.0	76.4
Total	Lumens	7663.9	280.1	7944.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	87.0	1.1
20°-30°	255.0	3.2
30°-40°	610.4	7.7
40°-50°	1099.1	13.8
50°-60°	1671.7	21.0
60°-70°	1972.0	24.8
70°-80°	1359.0	17.1
80°-90°	589.2	7.4
90°-100°	172.0	2.2
100°-110°	53.9	0.7
110°-120°	25.2	0.3
120°-130°	14.8	0.2
130°-140°	9.0	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7663.9	96.5
0°-180°	7944.0	100.0



REPORT NUMBER: P413754

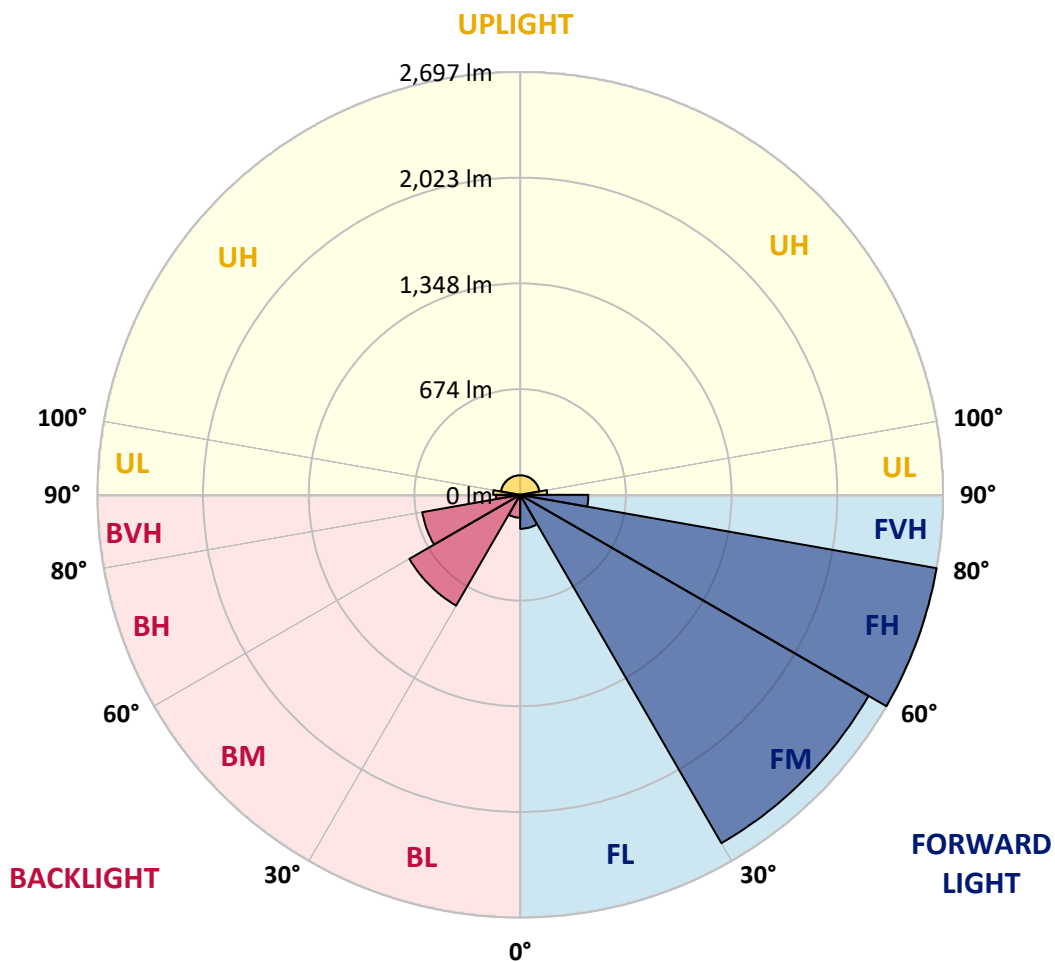
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.5	2.7			
FM	(30°-60°)	2565.3	32.3			
FH	(60°-80°)	2696.8	33.9			G2/5000
FVH	(80°-90°)	434.7	5.5			G3/500
BL	(0°-30°)	145.9	1.8	B1/500		
BM	(30°-60°)	815.9	10.3	B1/1000		
BH	(60°-80°)	634.2	8.0	B2/1000		G2/1000
BVH	(80°-90°)	154.5	1.9			G2/225
UL	(90°-100°)	172.0	2.2		U3/500	
UH	(100°-180°)	124.5	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P413754

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
2.5°	214.6	213.7	213.7	214.6	212.8	210.9	208.2	205.5	202.7	202.7	200.9
5°	231.9	231.0	231.0	231.0	227.4	224.6	218.2	214.6	210.9	209.1	206.4
7.5°	254.8	252.0	252.9	252.0	246.5	241.1	234.7	227.4	222.8	221.9	216.4
10°	284.9	283.1	281.2	277.6	272.1	263.0	253.9	247.5	241.1	240.2	233.8
12.5°	327.8	326.0	322.3	314.1	302.2	291.3	282.2	274.9	271.2	269.4	263.0
15°	379.9	374.4	372.6	359.8	343.3	330.6	320.5	315.9	312.3	312.3	304.1
17.5°	441.0	441.0	431.9	414.6	393.6	378.0	368.0	359.8	362.5	361.6	357.0
20°	516.8	515.0	501.3	478.5	452.9	438.3	425.5	421.0	424.6	428.3	428.3
22.5°	626.4	621.8	600.8	566.1	528.7	505.0	495.8	494.9	509.5	514.1	519.6
25°	749.7	743.3	716.8	674.8	628.2	591.7	578.9	589.0	615.5	625.5	636.5
27.5°	898.5	894.9	854.7	797.2	741.5	694.0	679.4	710.4	746.0	749.7	771.6
30°	1090.3	1092.1	1037.3	954.2	859.3	810.0	793.5	831.0	883.9	887.6	931.4
32.5°	1312.2	1312.2	1230.0	1129.6	1007.2	937.8	922.3	982.5	1065.6	1078.4	1120.4
35°	1595.3	1578.8	1473.8	1329.5	1176.1	1072.9	1071.1	1165.2	1279.3	1292.1	1337.7
37.5°	1849.1	1859.1	1752.3	1564.2	1356.9	1238.2	1253.7	1373.4	1517.6	1521.3	1570.6
40°	2124.0	2134.9	2008.9	1812.6	1557.8	1424.5	1455.5	1566.9	1710.3	1713.0	1730.4
42.5°	2339.5	2367.8	2250.0	2045.4	1787.9	1636.3	1643.6	1747.7	1858.2	1871.9	1883.8
45°	2468.2	2489.2	2424.4	2260.9	1990.6	1848.2	1830.8	1915.8	2060.0	2056.4	2073.7
47.5°	2670.9	2695.6	2596.1	2447.2	2218.9	2042.7	2020.8	2131.3	2308.4	2326.7	2310.2
50°	2881.0	2913.8	2841.7	2668.2	2432.6	2260.9	2263.7	2389.7	2596.1	2602.4	2612.5
52.5°	3028.0	3051.7	3023.4	2902.9	2652.7	2496.5	2521.2	2671.8	2874.6	2886.4	2846.3
55°	3050.8	3087.3	3110.1	3082.8	2893.7	2739.4	2802.4	2953.1	3090.1	3100.1	3069.1
57.5°	3043.5	3073.6	3122.0	3143.0	3048.1	2989.6	3070.9	3225.2	3489.1	3522.9	3507.4
60°	3035.3	3057.2	3157.6	3188.7	3134.8	3181.4	3311.0	3585.9	3731.1	3733.8	3592.3
62.5°	2807.0	2843.5	3032.5	3188.7	3174.1	3262.6	3546.6	3737.5	3852.5	3873.5	3738.4
65°	2577.8	2609.7	2799.7	3018.8	3115.6	3248.9	3583.2	3864.4	4120.1	4139.3	3871.7
67.5°	2246.3	2296.5	2503.8	2767.7	2886.4	3099.2	3487.3	3909.1	4068.0	4076.2	3770.3
70°	1829.9	1898.4	2132.2	2410.7	2553.1	2768.6	3272.7	3749.3	3971.2	3966.7	3602.3
72.5°	1318.6	1379.8	1593.4	1924.0	2146.8	2382.4	2880.0	3431.6	3557.6	3553.0	3064.5
75°	895.8	928.7	1089.4	1391.6	1712.1	1988.8	2481.0	2976.8	3083.7	3075.4	2625.3
77.5°	587.1	624.6	728.7	987.1	1285.7	1604.4	2082.9	2492.0	2660.0	2629.8	2225.3
80°	359.8	380.8	466.6	666.6	974.3	1294.8	1722.2	2108.4	2195.2	2151.4	1817.1
82.5°	224.6	241.1	302.2	440.1	699.5	999.9	1412.6	1775.1	1871.9	1822.6	1494.8
85°	137.9	146.1	188.1	289.5	474.8	735.1	1135.9	1440.0	1499.4	1463.8	1126.8
87.5°	100.4	102.3	128.8	195.4	320.5	526.0	836.4	1084.8	1127.7	1062.0	789.9
90°	74.0	77.6	95.0	137.9	222.8	357.0	576.2	763.4	774.3	734.2	527.8
92.5°	55.7	57.5	71.2	97.7	153.4	243.8	384.4	511.4	501.3	473.0	327.8
95°	40.2	41.1	51.1	69.4	107.8	163.5	244.7	320.5	288.6	276.7	199.1
97.5°	32.9	33.8	41.1	53.9	79.4	115.1	158.0	190.8	169.8	162.5	127.8
100°	28.3	28.3	34.7	44.7	62.1	85.8	105.0	119.6	109.6	105.9	90.4
102.5°	25.6	25.6	30.1	37.4	51.1	67.6	77.6	82.2	76.7	74.0	66.7
105°	22.8	22.8	26.5	32.0	42.9	54.8	59.4	60.3	54.8	53.9	51.1
107.5°	21.0	21.0	23.7	28.3	36.5	45.7	47.5	44.7	42.0	40.2	40.2
110°	18.3	19.2	21.0	24.7	32.0	38.4	38.4	34.7	31.0	31.0	32.0



REPORT NUMBER: P413754

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.3	17.3	19.2	22.8	28.3	32.9	31.0	27.4	24.7	24.7	26.5
115°	15.5	15.5	17.3	21.0	25.6	28.3	26.5	22.8	20.1	21.0	22.8
117.5°	14.6	14.6	16.4	19.2	22.8	24.7	22.8	19.2	17.3	18.3	21.0
120°	14.6	14.6	16.4	18.3	21.0	21.9	20.1	16.4	15.5	15.5	18.3
122.5°	14.6	14.6	15.5	18.3	20.1	20.1	17.3	14.6	13.7	13.7	16.4
125°	14.6	14.6	16.4	18.3	18.3	18.3	15.5	12.8	11.9	12.8	14.6
127.5°	15.5	15.5	16.4	17.3	17.3	16.4	13.7	11.9	11.0	11.9	13.7
130°	15.5	15.5	16.4	17.3	16.4	14.6	12.8	11.0	11.0	11.0	13.7
132.5°	15.5	15.5	16.4	16.4	15.5	12.8	11.0	9.1	10.0	11.0	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.9	9.1	8.2	9.1	10.0	11.9
137.5°	13.7	13.7	13.7	13.7	11.9	10.0	7.3	6.4	8.2	8.2	10.0
140°	11.9	11.9	12.8	11.9	11.0	8.2	6.4	4.6	6.4	6.4	8.2
142.5°	11.0	11.0	11.0	11.0	9.1	7.3	4.6	4.6	5.5	5.5	6.4
145°	9.1	9.1	10.0	9.1	7.3	5.5	3.7	3.7	4.6	4.6	5.5
147.5°	7.3	8.2	8.2	7.3	6.4	4.6	2.7	2.7	3.7	3.7	4.6
150°	6.4	6.4	6.4	6.4	4.6	2.7	1.8	2.7	3.7	3.7	3.7
152.5°	4.6	4.6	5.5	5.5	3.7	1.8	1.8	2.7	2.7	2.7	3.7
155°	3.7	3.7	4.6	3.7	2.7	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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: P413754

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
2.5°	200.0	198.2	197.2	195.4	193.6	191.8	191.8	191.8	190.8	189.9	190.8
5°	203.6	202.7	198.2	194.5	190.8	189.0	187.2	186.3	186.3	184.5	184.5
7.5°	213.7	210.0	203.6	197.2	193.6	189.9	187.2	186.3	185.4	183.5	183.5
10°	229.2	224.6	217.3	207.3	200.9	194.5	191.8	191.8	190.8	189.9	189.9
12.5°	258.4	252.9	240.2	226.5	213.7	204.5	202.7	205.5	210.9	211.8	211.8
15°	301.3	294.9	278.5	256.6	236.5	223.7	225.5	232.9	240.2	242.9	242.9
17.5°	354.3	347.0	323.3	291.3	264.8	252.9	252.0	262.1	272.1	277.6	277.6
20°	425.5	413.7	382.6	336.9	300.4	286.7	281.2	290.4	305.9	312.3	310.5
22.5°	514.1	500.4	456.6	387.2	341.5	316.9	309.6	319.6	338.8	347.0	346.1
25°	631.0	617.3	546.1	450.2	381.7	343.3	338.8	353.4	381.7	398.1	396.3
27.5°	767.0	744.2	649.2	520.5	421.0	365.3	366.2	390.8	420.0	438.3	436.5
30°	912.2	883.0	753.3	588.1	457.5	389.9	388.1	417.3	447.4	466.6	466.6
32.5°	1104.0	1061.1	873.9	652.9	485.8	409.1	402.7	435.6	466.6	486.7	485.8
35°	1309.4	1251.9	999.9	721.4	509.5	419.1	411.8	445.6	477.6	501.3	501.3
37.5°	1545.0	1447.3	1117.7	768.9	526.0	424.6	414.6	452.9	492.2	516.8	515.0
40°	1669.2	1559.6	1174.3	789.9	528.7	425.5	419.1	459.3	492.2	501.3	496.7
42.5°	1808.0	1666.5	1198.0	764.3	518.7	423.7	421.9	452.9	467.5	464.8	462.0
45°	1983.3	1792.5	1220.9	732.3	494.9	421.0	417.3	435.6	436.5	425.5	421.9
47.5°	2207.1	1966.0	1258.3	694.0	471.2	414.6	410.0	418.2	402.7	382.6	376.2
50°	2447.2	2166.9	1304.9	661.1	449.3	406.3	401.8	399.0	383.5	363.4	359.8
52.5°	2656.3	2302.9	1317.7	626.4	434.7	400.9	395.4	392.6	378.0	355.2	350.6
55°	2843.5	2418.9	1272.9	574.4	422.8	397.2	395.4	395.4	379.9	356.1	351.6
57.5°	3213.3	2696.5	1289.4	521.4	407.3	396.3	399.0	400.0	385.3	362.5	358.0
60°	3224.3	2643.5	1193.5	484.0	393.6	396.3	402.7	404.5	394.5	379.0	376.2
62.5°	3329.3	2645.4	1064.7	435.6	384.4	394.5	405.4	411.8	412.7	403.6	401.8
65°	3367.7	2607.0	971.6	397.2	371.6	389.9	406.3	421.9	427.3	422.8	421.0
67.5°	3220.6	2430.8	844.7	371.6	358.9	382.6	405.4	424.6	436.5	439.2	439.2
70°	3027.1	2232.6	731.4	347.0	345.2	372.6	399.0	424.6	441.0	448.4	448.4
72.5°	2535.8	1833.6	603.6	321.4	326.9	357.0	385.3	416.4	434.7	441.0	438.3
75°	2121.2	1509.4	496.7	299.5	308.6	337.9	366.2	396.3	409.1	412.7	410.0
77.5°	1794.3	1255.6	408.2	279.4	286.7	313.2	338.8	359.8	368.0	366.2	361.6
80°	1446.4	979.8	335.1	254.8	262.1	283.1	301.3	317.8	326.0	321.4	318.7
82.5°	1151.5	778.9	285.8	232.9	235.6	252.9	265.7	278.5	292.2	288.6	281.2
85°	852.0	573.5	242.9	209.1	209.1	221.9	228.3	240.2	259.3	258.4	255.7
87.5°	582.6	408.2	206.4	185.4	184.5	191.8	195.4	208.2	232.9	233.8	231.0
90°	383.5	279.4	172.6	160.7	158.9	164.4	167.1	178.1	198.2	200.0	196.3
92.5°	249.3	193.6	141.5	136.1	135.1	139.7	138.8	146.1	159.8	158.9	156.1
95°	159.8	135.1	115.1	112.3	109.6	115.1	113.2	115.1	122.4	120.5	120.5
97.5°	110.5	103.2	95.0	90.4	88.6	94.1	92.2	92.2	95.9	92.2	90.4
100°	84.9	82.2	78.5	74.9	71.2	75.8	75.8	75.8	78.5	73.1	71.2
102.5°	65.7	64.8	64.8	62.1	59.4	63.0	63.9	64.8	63.9	58.4	57.5
105°	52.0	52.0	53.9	51.1	50.2	53.0	53.9	53.0	53.0	48.4	48.4
107.5°	41.1	42.9	44.7	42.9	42.9	44.7	44.7	44.7	42.9	40.2	41.1
110°	33.8	35.6	38.4	36.5	36.5	38.4	37.4	36.5	35.6	34.7	34.7



REPORT NUMBER: P413754

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.2	30.1	32.0	31.0	32.0	32.9	32.0	30.1	30.1	30.1	31.0
115°	24.7	26.5	28.3	27.4	27.4	28.3	26.5	25.6	25.6	26.5	26.5
117.5°	21.9	23.7	24.7	24.7	23.7	24.7	22.8	21.9	22.8	23.7	23.7
120°	20.1	21.0	21.9	21.9	21.0	21.0	20.1	19.2	20.1	21.0	21.9
122.5°	18.3	19.2	19.2	20.1	19.2	18.3	17.3	17.3	18.3	19.2	19.2
125°	16.4	17.3	17.3	17.3	17.3	16.4	15.5	15.5	16.4	17.3	18.3
127.5°	14.6	15.5	15.5	16.4	15.5	14.6	13.7	14.6	15.5	16.4	16.4
130°	14.6	14.6	14.6	14.6	13.7	12.8	12.8	12.8	14.6	15.5	15.5
132.5°	13.7	14.6	13.7	13.7	12.8	11.0	11.0	11.9	13.7	14.6	14.6
135°	12.8	12.8	11.9	11.9	11.0	10.0	9.1	11.0	11.9	12.8	12.8
137.5°	11.0	11.0	10.0	9.1	9.1	8.2	8.2	9.1	11.0	11.9	11.9
140°	8.2	9.1	8.2	7.3	7.3	6.4	7.3	8.2	10.0	10.0	10.0
142.5°	6.4	7.3	6.4	5.5	5.5	5.5	5.5	7.3	9.1	9.1	9.1
145°	5.5	5.5	5.5	4.6	3.7	3.7	4.6	6.4	8.2	8.2	8.2
147.5°	4.6	4.6	4.6	3.7	2.7	2.7	3.7	5.5	6.4	6.4	6.4
150°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	4.6	5.5	5.5	5.5
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	1.8	3.7	4.6	4.6	4.6
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.7	2.7	2.7
160°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	1.8	1.8
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)