

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: P414908

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414908
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-PA1-30-830-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 3023 lumens
Efficiency: N/A
Efficacy: 97.5 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: B1 - U3 - G2

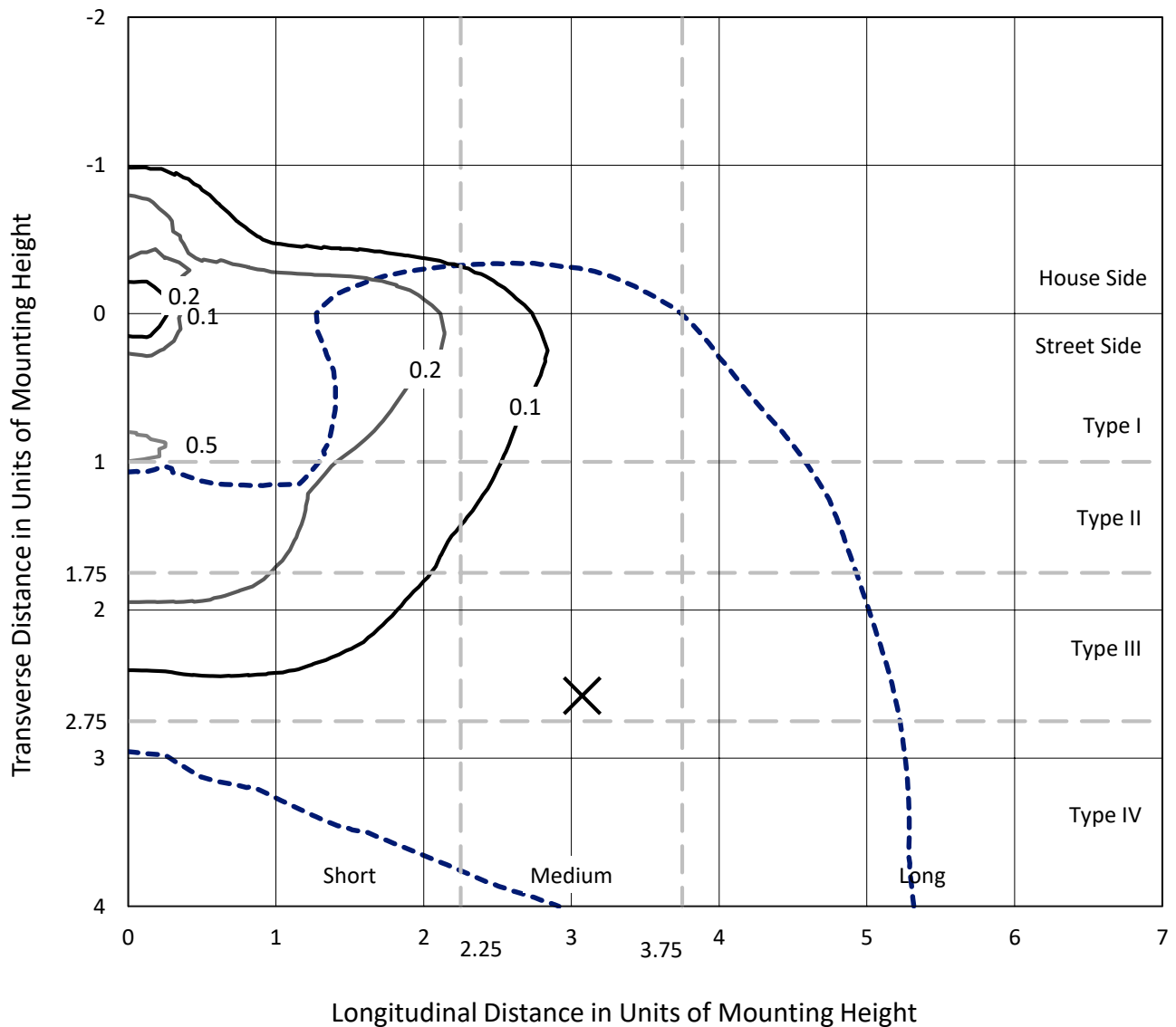
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414908
 CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

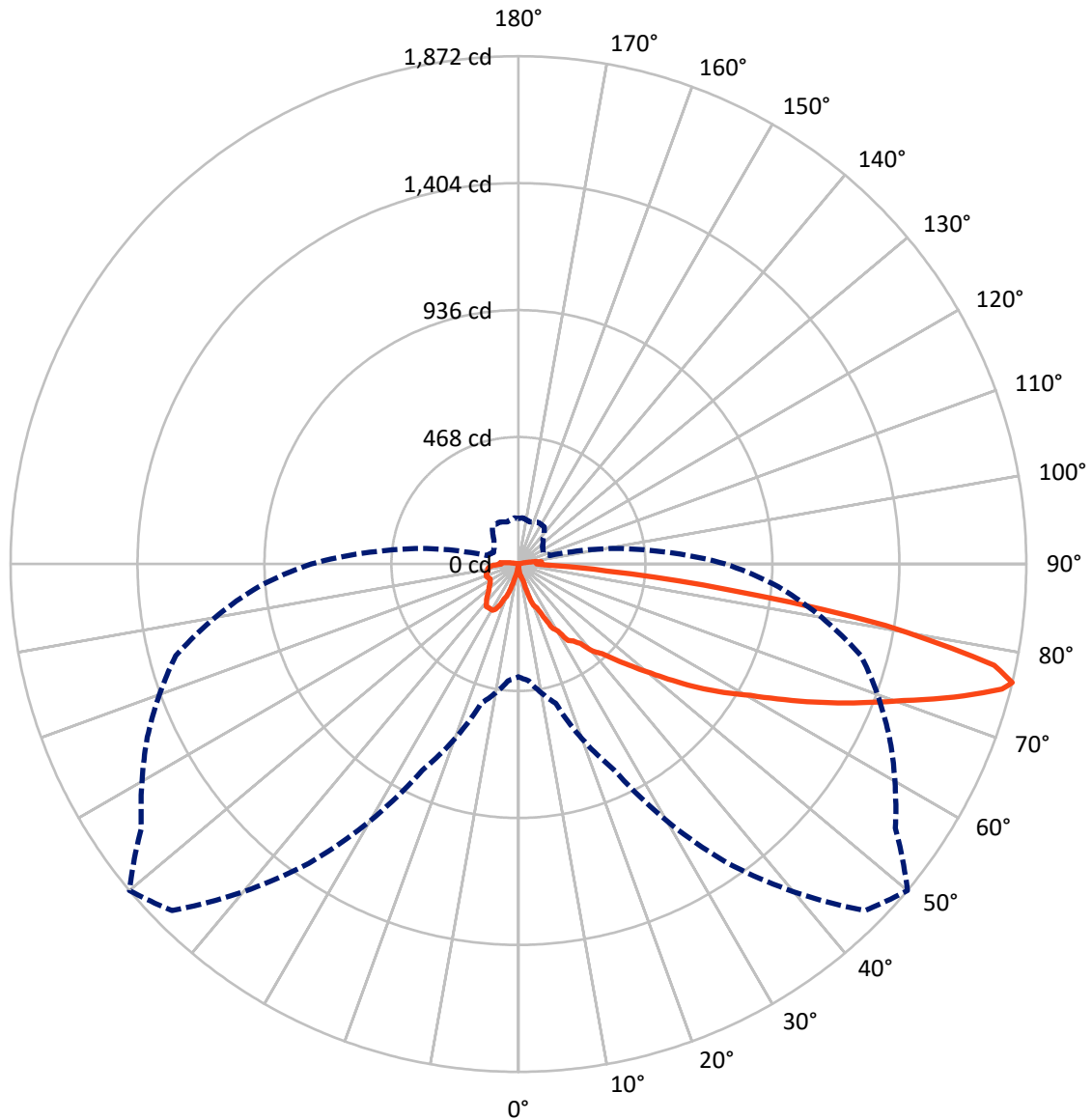
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414908
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P414908

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

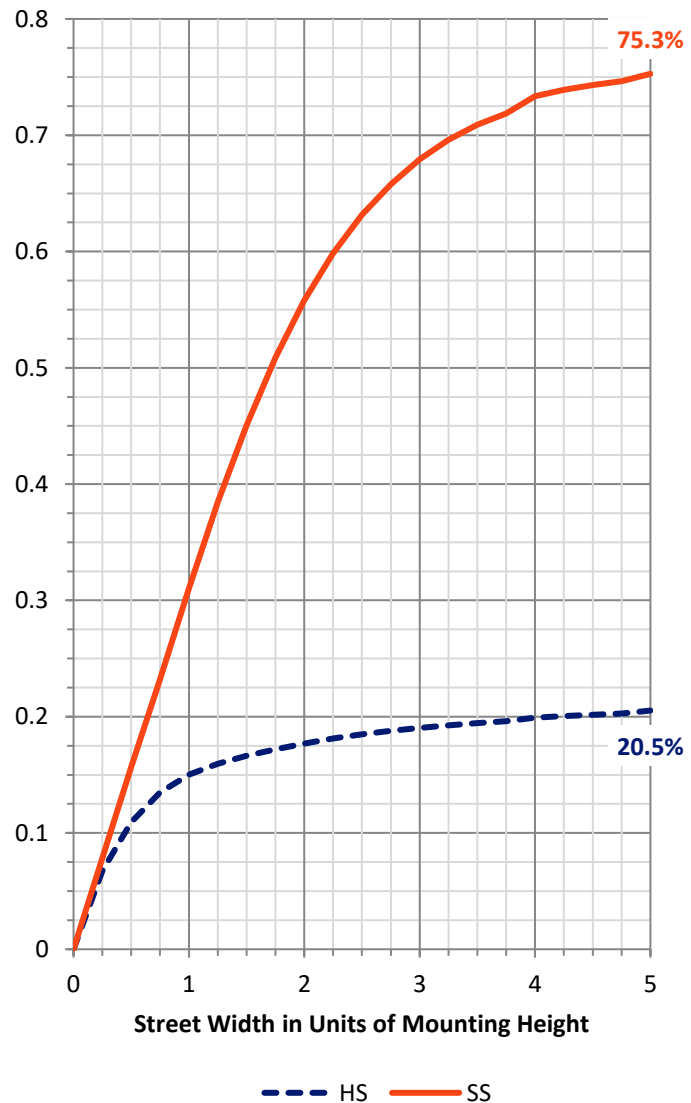
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.8	37.2	696.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2296.2	29.8	2326.0
	% Fixture	76.0	1.0	76.9
Total	Lumens	2956.0	67.0	3023.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	25.2	0.8
20°-30°	98.6	3.3
30°-40°	212.3	7.0
40°-50°	345.8	11.4
50°-60°	556.7	18.4
60°-70°	810.9	26.8
70°-80°	723.5	23.9
80°-90°	181.2	6.0
90°-100°	53.1	1.8
100°-110°	7.9	0.3
110°-120°	2.3	0.1
120°-130°	1.6	0.1
130°-140°	1.0	0.0
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2956.0	97.8
0°-180°	3023.0	100.0



REPORT NUMBER: P414908

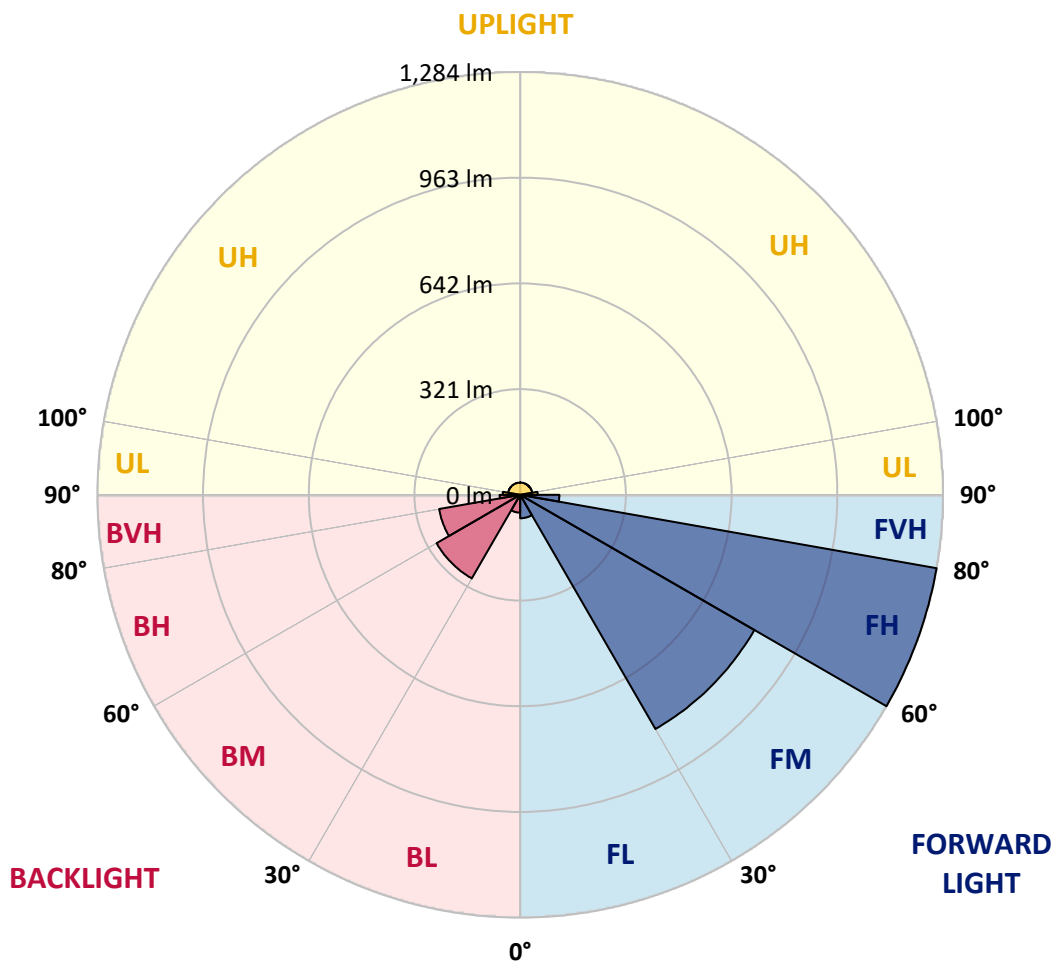
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.3	2.4			
FM	(30°-60°)	821.5	27.2			
FH	(60°-80°)	1284.5	42.5			G1/1800
FVH	(80°-90°)	119.0	3.9			G2/225
BL	(0°-30°)	54.2	1.8	B0/110		
BM	(30°-60°)	293.4	9.7	B1/1000		
BH	(60°-80°)	249.9	8.3	B1/500		G1/500
BVH	(80°-90°)	62.2	2.1			G1/100
UL	(90°-100°)	53.1	1.8		U3/500	
UH	(100°-180°)	37.2	1.2		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414908

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	4.4	3.4	3.0	2.7	2.7	2.4	2.4	2.0	2.0	2.0	2.0
5°	42.3	41.0	38.0	35.3	12.1	10.1	8.4	6.4	2.4	2.4	2.0
7.5°	50.7	49.7	47.7	46.4	44.3	41.3	38.0	17.8	7.1	2.7	2.4
10°	66.5	61.5	57.4	54.1	51.7	46.7	45.4	42.7	11.8	5.0	3.7
12.5°	118.9	116.2	112.2	76.3	62.8	53.8	51.7	49.4	38.3	18.1	32.6
15°	131.0	128.3	124.3	119.3	111.9	66.2	62.2	77.3	98.8	74.2	77.6
17.5°	153.9	152.5	141.8	129.7	122.3	130.0	130.4	118.3	112.2	98.1	89.4
20°	213.3	212.0	205.9	175.0	138.4	164.3	163.6	157.6	126.0	144.8	155.9
22.5°	222.1	220.4	215.0	206.6	219.0	180.1	175.7	175.7	185.8	196.9	183.4
25°	292.3	290.6	249.6	217.4	234.8	214.3	215.0	237.9	205.6	216.0	206.3
27.5°	305.4	303.0	299.7	278.2	247.3	271.5	267.8	255.3	267.4	298.3	287.9
30°	356.5	330.6	319.5	307.1	292.0	287.6	285.9	308.4	317.1	315.1	318.2
32.5°	413.6	412.6	401.8	327.6	330.3	309.1	336.3	346.4	332.9	382.7	414.6
35°	496.9	462.6	441.8	392.4	343.7	357.5	348.1	358.5	404.5	409.2	439.8
37.5°	624.6	622.5	574.8	433.1	396.4	365.9	372.6	401.5	431.7	438.4	479.8
40°	730.0	720.3	690.1	539.9	431.0	395.8	422.6	416.3	448.2	471.7	511.3
42.5°	808.3	817.4	800.3	624.9	500.6	443.1	451.2	442.8	472.4	516.4	556.7
45°	883.2	879.6	891.3	711.2	567.4	503.9	503.3	482.8	516.7	566.1	619.2
47.5°	944.4	939.0	951.1	805.0	644.4	559.0	563.7	537.2	569.8	628.3	711.9
50°	1012.6	1002.2	1010.2	883.6	744.8	638.7	632.3	611.8	630.3	709.9	825.1
52.5°	1094.6	1087.2	1072.7	961.9	848.3	720.6	712.6	692.8	712.9	811.4	950.4
55°	1168.1	1159.7	1148.0	1069.7	934.3	804.0	804.3	784.5	823.8	922.2	1095.9
57.5°	1244.7	1240.7	1246.8	1190.3	1057.3	891.0	893.0	880.9	951.4	1036.1	1250.1
60°	1308.2	1302.2	1335.8	1313.6	1166.5	990.4	982.4	995.5	1081.8	1155.0	1406.3
62.5°	1332.4	1336.5	1400.0	1427.2	1272.3	1097.6	1100.6	1118.4	1202.4	1297.5	1556.9
65°	1218.9	1233.0	1410.4	1447.0	1390.2	1216.5	1231.0	1227.9	1326.0	1402.3	1683.8
67.5°	1095.6	1111.7	1304.5	1452.0	1481.6	1356.3	1363.7	1333.8	1432.5	1467.8	1778.6
70°	1008.2	1020.7	1179.2	1423.5	1537.7	1502.1	1505.5	1450.0	1509.8	1544.8	1775.2
72.5°	857.0	870.1	1016.6	1315.6	1572.6	1678.8	1678.8	1556.5	1572.3	1543.1	1567.6
75°	579.2	584.2	704.2	1021.3	1482.3	1822.9	1840.4	1672.8	1550.8	1401.6	1169.2
76°	415.9	431.4	531.8	838.6	1346.2	1806.5	1872.0	1696.3	1508.8	1307.9	962.2
77.5°	220.4	234.5	313.8	536.9	1091.9	1679.8	1793.0	1624.0	1375.8	1122.8	711.6
80°	86.3	85.3	107.8	191.2	553.0	1277.7	1372.1	1197.0	930.6	650.4	338.0
82.5°	47.4	52.1	68.5	101.1	239.9	704.9	775.1	631.6	475.1	300.0	197.5
85°	30.2	30.9	40.3	62.5	148.2	297.0	326.2	270.5	222.4	184.1	140.4
87.5°	18.1	18.8	21.2	28.9	73.2	87.4	95.4	112.2	127.7	126.7	121.3
90°	12.4	12.4	10.4	11.4	34.3	69.9	67.2	71.6	65.2	82.6	116.9
92.5°	12.1	12.1	10.1	10.4	29.2	77.6	77.9	77.6	68.9	84.3	123.0
95°	10.8	11.1	8.7	9.1	21.5	72.6	85.3	82.6	69.5	85.0	122.6
97.5°	9.1	9.4	6.7	7.7	14.4	49.1	63.5	64.8	43.3	43.0	55.4
100°	6.7	7.1	4.7	6.0	8.7	22.5	33.9	31.9	21.5	11.8	7.7
102.5°	6.4	6.7	4.0	4.7	5.4	7.7	12.4	9.4	8.1	6.7	6.7
105°	7.1	7.1	3.7	3.4	3.4	3.7	3.0	4.4	4.7	5.0	7.1
107.5°	6.0	6.4	2.7	2.7	2.4	2.4	2.0	2.0	2.7	4.4	7.7



REPORT NUMBER: P414908

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	4.7	4.7	2.4	2.4	1.7	2.0	2.0	1.7	2.4	3.4	6.0
112.5°	2.7	3.0	1.3	2.0	1.3	1.7	1.7	1.3	2.0	2.4	3.4
115°	2.7	2.7	1.3	1.0	1.0	1.0	1.3	1.3	1.7	2.4	3.7
117.5°	2.7	2.7	1.3	1.0	0.7	1.0	1.0	1.0	1.7	2.4	3.7
120°	2.7	2.7	1.3	0.7	0.7	0.7	0.7	1.0	1.7	2.4	3.7
122.5°	3.0	2.7	1.3	0.7	0.7	0.7	0.7	1.0	1.7	2.4	3.4
125°	3.0	2.7	1.3	0.7	0.7	0.7	0.7	1.0	1.3	2.0	3.0
127.5°	3.0	2.7	1.3	0.7	0.7	0.7	0.7	1.0	1.3	2.0	2.7
130°	2.7	2.7	1.3	0.7	0.7	0.7	0.7	1.0	1.3	2.0	2.7
132.5°	2.7	2.4	1.3	0.7	0.7	0.7	0.7	1.0	1.3	1.7	2.4
135°	2.4	2.0	1.3	0.7	1.0	0.7	1.0	1.0	1.3	1.7	2.0
137.5°	2.0	2.0	1.3	1.0	1.0	1.0	1.0	1.0	1.3	1.7	1.7
140°	2.4	2.0	1.3	1.3	1.0	1.0	1.0	1.0	1.3	1.7	1.7
142.5°	2.7	2.4	1.7	1.3	1.3	1.0	1.0	1.3	1.3	1.7	1.7
145°	2.7	2.7	2.0	1.7	1.0	1.0	1.0	1.3	1.7	1.7	2.0
147.5°	3.0	2.7	2.0	1.7	1.0	0.7	1.0	1.0	1.7	2.0	2.0
150°	2.7	2.7	1.7	1.3	0.7	0.3	0.7	1.0	1.7	2.0	2.0
152.5°	2.0	2.0	1.3	0.7	0.3	0.3	0.7	1.0	1.3	1.7	2.0
155°	1.3	1.3	0.7	0.3	0.0	0.3	0.3	0.7	1.0	1.3	1.7
157.5°	0.7	0.7	0.3	0.0	0.0	0.3	0.3	0.7	1.0	1.3	1.3
160°	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7	1.0	1.0
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: P414908

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.0	1.7	1.7	1.3	1.3	1.0	1.0	1.0	1.0	1.3	1.7
5°	2.0	2.0	1.7	1.7	1.7	1.3	1.3	2.0	2.4	2.7	2.7
7.5°	2.0	2.0	2.0	1.7	2.0	2.7	10.8	30.9	33.9	35.9	36.6
10°	3.7	3.4	3.0	2.7	5.0	34.3	42.3	46.0	47.7	49.4	49.4
12.5°	35.3	35.3	14.4	8.1	34.6	46.0	48.4	51.1	53.4	55.8	56.1
15°	76.6	75.6	72.9	66.9	57.8	52.1	54.4	80.6	94.7	101.1	100.1
17.5°	87.7	86.3	84.7	96.4	100.5	80.3	93.7	104.1	107.2	110.5	110.2
20°	162.6	160.9	125.3	112.2	109.9	134.7	107.2	109.5	114.9	146.5	147.5
22.5°	182.1	180.1	167.6	171.0	128.3	146.1	141.4	148.2	165.3	170.3	171.0
25°	213.3	205.3	190.2	178.7	181.8	152.5	176.0	165.0	171.3	177.4	178.4
27.5°	295.3	290.6	263.7	200.2	185.5	190.8	183.4	179.4	214.3	227.1	228.1
30°	318.2	313.5	279.9	231.8	195.5	195.5	184.8	223.8	225.4	232.2	233.8
32.5°	432.4	423.0	355.8	235.5	202.9	186.8	209.3	220.4	247.3	267.4	270.8
35°	458.9	450.9	367.2	269.1	196.2	194.5	197.5	232.2	252.0	264.1	266.8
37.5°	486.5	477.4	365.9	256.3	208.0	185.5	192.2	217.0	245.6	276.8	280.9
40°	524.1	513.0	367.5	239.9	194.9	175.4	180.4	208.3	227.8	247.3	250.6
42.5°	574.5	552.3	370.6	225.1	179.7	171.0	172.0	188.1	197.2	205.3	205.3
45°	642.4	606.4	371.6	209.6	164.6	160.9	162.3	169.7	173.0	168.0	165.6
47.5°	733.4	673.3	384.0	195.9	151.9	149.8	150.8	153.2	151.5	138.4	136.1
50°	839.6	751.9	390.7	183.8	142.4	142.1	140.4	140.4	134.4	119.6	118.6
52.5°	956.8	845.6	396.4	169.0	135.7	137.4	137.4	130.4	121.3	109.5	108.5
55°	1105.7	953.8	404.8	156.2	130.0	129.7	133.4	124.6	115.2	105.2	105.2
57.5°	1253.5	1068.4	414.9	145.1	123.6	124.3	129.7	122.6	117.6	113.6	113.2
60°	1401.3	1186.6	398.8	135.1	121.3	119.9	128.7	130.4	124.3	126.7	129.0
62.5°	1540.1	1262.2	333.9	126.3	116.9	118.9	137.4	147.8	145.8	143.5	144.1
65°	1605.6	1277.7	270.8	118.6	113.9	126.0	151.5	167.3	160.6	152.9	152.2
67.5°	1616.7	1237.7	199.2	113.9	112.2	138.4	162.6	171.7	161.6	158.6	155.9
70°	1538.7	1136.2	159.2	108.9	113.6	140.4	169.7	170.7	163.3	166.6	163.3
72.5°	1308.6	946.4	139.4	104.1	113.9	135.4	169.7	171.0	162.6	172.3	170.7
75°	937.0	663.5	124.0	100.1	110.2	129.7	167.3	170.7	160.6	171.3	168.7
76°	763.3	526.5	119.6	101.1	108.5	127.7	166.6	169.7	160.9	170.7	168.0
77.5°	504.3	344.0	112.2	100.5	105.5	126.7	165.0	168.3	160.6	168.7	166.0
80°	269.8	194.9	101.1	93.7	101.8	127.3	163.6	165.0	154.2	163.3	159.9
82.5°	177.7	145.1	87.4	85.0	98.1	128.3	162.9	160.9	148.8	163.3	154.2
85°	139.4	119.9	65.5	68.2	89.4	124.0	160.9	155.2	144.1	148.2	142.8
87.5°	118.3	98.8	39.3	48.7	78.3	105.5	142.8	128.3	122.0	126.0	123.6
90°	111.2	87.4	22.2	34.3	58.8	70.2	90.0	83.7	81.0	85.7	84.7
92.5°	112.2	85.3	21.8	32.6	62.8	75.6	93.1	85.7	77.6	77.6	76.6
95°	107.2	79.6	21.5	25.9	56.8	73.6	87.4	76.9	62.5	59.5	58.5
97.5°	46.7	38.6	20.2	19.8	32.6	50.7	63.5	55.1	41.3	32.3	32.3
100°	7.7	12.4	17.5	19.1	19.1	26.9	35.9	33.9	19.8	10.4	10.8
102.5°	8.1	7.1	12.1	15.8	12.4	11.1	16.5	20.5	13.1	4.0	4.4
105°	8.4	7.4	6.0	11.1	7.1	3.7	5.0	9.4	6.0	4.0	4.0
107.5°	9.1	7.7	3.7	4.0	3.0	3.0	2.7	2.4	3.0	4.0	4.4



REPORT NUMBER: P414908

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.1	6.4	3.4	3.0	2.7	3.0	2.0	2.0	2.4	4.0	4.4
112.5°	4.0	4.0	3.0	2.4	2.4	2.7	1.7	1.7	2.4	4.4	4.4
115°	4.0	4.0	2.7	2.0	1.7	2.0	1.7	1.3	2.4	4.4	4.7
117.5°	4.0	4.0	2.7	2.0	1.7	1.3	1.3	1.3	2.4	4.4	4.7
120°	4.0	3.7	2.4	1.7	1.7	1.0	1.0	1.0	2.0	4.4	4.7
122.5°	3.7	3.7	2.4	1.7	1.3	1.0	1.0	1.0	2.0	4.0	4.4
125°	3.4	3.4	2.4	1.7	1.3	1.0	0.7	1.0	2.0	3.7	4.0
127.5°	3.0	3.0	2.0	1.7	1.3	1.0	0.7	1.0	2.0	3.7	4.0
130°	2.7	2.7	2.0	1.3	1.3	0.7	0.7	0.7	2.0	3.4	3.7
132.5°	2.4	2.4	1.7	1.3	1.0	0.7	0.3	0.7	1.7	3.0	3.0
135°	2.0	2.0	1.7	1.3	1.0	0.7	0.3	0.7	1.3	2.4	2.7
137.5°	1.7	1.7	1.3	1.3	1.0	0.7	0.3	0.7	1.0	2.0	2.0
140°	1.7	1.7	1.3	1.3	1.0	0.7	0.3	0.7	1.0	1.7	2.0
142.5°	1.7	1.7	1.3	1.3	1.0	0.7	0.3	0.7	1.0	1.7	2.0
145°	2.0	1.7	1.7	1.3	1.0	0.7	0.3	0.7	1.3	2.0	2.0
147.5°	2.0	2.0	1.7	1.3	1.0	0.7	0.3	0.7	1.3	2.0	2.0
150°	2.0	2.0	1.7	1.3	1.0	0.3	0.0	0.3	1.0	1.7	2.0
152.5°	2.0	1.7	1.3	1.0	0.7	0.3	0.0	0.0	0.7	1.3	1.3
155°	1.7	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.3	0.7	0.7
157.5°	1.3	1.3	1.0	0.7	0.3	0.3	0.0	0.0	0.0	0.3	0.3
160°	1.0	1.0	0.7	0.7	0.3	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)